Former Wollensack Optical

MONROE, NEW YORK

Construction Completion Report

Interim Remedial Measures for RAOC #1 and RAOC #2

NYSDEC Site Number: C828209

Prepared for:

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Prepared by:

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AUGUST 2020

CERTIFICATIONS

I, DANIEL P. NOLL , am currently a registered professional engineer licensed by the State of New York, I had primary direct responsibility for implementation of the remedial program activities, and I certify that the Construction Completion Report (CCR) was implemented and that all construction activities were completed in substantial conformance with the Department-approved IRM Work Plan and the IRM RAOC #1 Design Document.

I certify that all documents generated in support of this report have been submitted in accordance with the DER's electronic submission protocols and have been accepted by the Department.

I certify that all information and statements in this certification form are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law. I, Daniel P. Noll, of LaBella Associates, D.P.C., 300 State Street, Rochester, New York, am certifying as Owner's Designated Site Representative and I have been authorized and designated by all site owners to sign this certification for the site.

DANIEL P. NOLL	8/26/20	D. P. [illegible]
NYS Professional Engineer #	Date	Signature



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1.0 BACKGROUND AND SITE DESCRIPTION

Jefferson Wollensack, LLC entered into a Brownfield Cleanup Agreement (BCA) with the New York State Department of Environmental Conservation (NYSDEC) in January, 2019, to investigate and remediate a 0.48-acre property located at 872 and 886 Hudson Avenue, Rochester, New York (see Figure 1). The property will be remediated to restricted residential use and will be used for residential apartments.

The site is located in the County of Monroe, New York and is identified as Block 2 Lot 58 and Block 2 Lot 59 on the City of Rochester Tax Map # 091.81-2-59 and #091.81-2-58. The site is situated on an approximately 0.48-acre area bounded by Roycroft Drive and residential properties to the north, Avenue D and a convenience store to the south, residential properties to the east, and Hudson Avenue and residential properties to the west. The boundaries and surrounding properties are shown on Figure 2.

An electronic copy of this Construction Completion Report (CCR) with all supporting documentation is included as Appendix A.

2.0 SUMMARY OF SITE REMEDY

2.1 Remedial Action Objectives

Based on the results of the Remedial Investigation, the following Remedial Action Objectives (RAOs) were identified for this site.

2.1.1 Groundwater RAOs

RAOs for Public Health Protection

- Prevent ingestion of groundwater containing contaminant levels exceeding drinking water standards.
- Prevent contact with, or inhalation of, volatiles emanating from contaminated groundwater.

RAOs for Environmental Protection

- Restore ground water aquifer, to the extent practicable, to pre-disposal/pre-release conditions.
- Prevent the discharge of contaminants to surface water.
- Remove the source of ground or surface water contamination.

2.1.2 Soil RAOs

RAOs for Public Health Protection

- Prevent ingestion/direct contact with contaminated soil.
- Prevent inhalation of, or exposure to, contaminants volatilizing from contaminated soil.

RAOs for Environmental Protection

- Prevent migration of contaminants that would result in groundwater or surface water contamination.
- Prevent impacts to biota due to ingestion/direct contact with contaminated soil that would cause toxicity or bioaccumulation through the terrestrial food chain.

2.1.3 Soil Vapor RAOs

RAOs for Public Health Protection

- Mitigate impacts to public health resulting from existing, or the potential for, soil vapor intrusion into buildings at a site.

2.2 Description of Interim Remedial Measures

The site was remediated in accordance with the NYSDEC-approved Interim Remedial Measures (IRM) Work Plan dated August 2019 and NYSDEC approved IRM RAOC #1 Design Document dated January 7, 2020. The IRM Work Plan was conditionally approved by the NYSDEC on November 5, 2019 and the IRM RAOC #1 Design Document was conditionally approved on February 7, 2020.

The factors considered during the IRMs are those listed in 6NYCRR 375-1.8. Please note the final remedy has not been determined as of the date of this report. The work completed as part of the IRM activities included the following components:

1. Installation of a treatment system to mitigate source area CVOC impacts to overburden soil and groundwater; and

2. Removal and disposal of radiation containing building materials.

3.0 DESCRIPTION OF INTERIM REMEDIAL MEASURE ACTIVTIES

Remedial activities completed at the Site were conducted in accordance with the NYSDEC-approved the IRM Work Plan for the Site dated August 2019 and the IRM RAOC #1 Design Document dated January 7, 2020. The following key activities were completed in accordance with the plans:

1. IRM RAOC #1 - In-Site Chemical Oxidation (ISCO)

   Several chlorinated volatile organic compounds (CVOCs) including TCE, PCE and associated breakdown products have been detected in soil and groundwater above applicable Site cleanup goals (SGCs). TCE was detected in soil up to 98 milligrams per kilogram (mg/kg) at a depth of 13.5 feet (ft) below ground surface (bgs) beneath the southwestern portion of the Site building. TCE was also detected in soil just above bedrock (21.5 ft bgs) and at 15 ft bgs at 27 mg/kg and 25 mg/kg, respectively. TCE and PCE were also detected in overburden groundwater at concentrations up to 180,000 micrograms per liter (ug/l) and 1,800 ug/l, respectively. Impacts were primarily located within the footprint of the southwestern portion of the Site Building and in the right-of-way (i.e., the sidewalk) immediately adjacent to the south and west of the Site Building.

   In-situ chemical oxidation (ISCO) was implemented as an IRM for overburden CVOC impacts. This IRM consisted of the injection of the treatment chemical permanganate (e.g. sodium permanganate) in the overburden within the southwestern portion of the Site Building which is the inferred source of CVOCs in soil and groundwater. One (1) round of injections was completed to date as part of this IRM. Groundwater monitoring was being performed to assess the effectiveness of the IRM and to determine the need for subsequent injections. Any need for subsequent injections and the plan for long-term monitoring will be outlined in the Site Management Plan.

The IRM for RAOC #1 consisted of the installation of approximately seventeen (17) overburden and nine (9) bedrock treatment wells within the southwestern portion of the Site Building on the ground level (i.e., first floor). Overburden treatment wells were spaced approximately 12 to 16 ft apart and extended to the top of bedrock (approximately 20-21.5 ft below the current finished floor). Installation of the treatment system was completed by trenching and connecting piping beneath the floor slab to an exterior access point to allow for additional injections, if required. While this IRM was designed to treat overburden CVOC impacts, it is anticipated the treatment chemical will come into contact with the top of bedrock and may travel through bedrock fractures.

During the installation of the treatment wells, building renovations were underway. Based on the redevelopment of the Site, the timeframe to install treatment wells and inject from within the Site building was limited; as such, one (1) overburden treatment round was completed from within the building during renovations and the treatment wells were manifolded together beneath the floor slab, into the building basement and then to the outside of the building. Installation of this system allows for future injections to overburden or bedrock, if deemed necessary by post-treatment groundwater monitoring, with limited disturbance to building occupants.

2. <u>IRM RAOC #2 – Building Materials Containing Radiation</u>

   Radiological materials were identified during the RI by Austin Master Services (AMS) at discrete building areas. Elevated gamma count rate levels above background were identified in two (2) areas within the building; wooden floor boards at the southwestern portion of the third floor and within the first floor sump. In addition, naturally occurring radioactive materials (NORM) were identified as the clay tile located at the southwest corner of the first floor, fire brick within basement, and clay tile used for construction of the first floor sump. Clay tile and fire brick are commonly identified as NORM due to the presence of zircon in many refractory glazes.

AMS completed the removal of the contaminated wooden floor boards on the third floor and material within first floor sump in January 2020. The first floor sump was filled with concrete in January 2020, encapsulating the NORM in that feature. The fire brick in the basement was removed in December 2019 as part of the basement renovations. The clay tile at the southwestern portion of the first floor is planned to be covered with a layer of cement as part of building renovations. The NORM materials are exempt from NYS regulations and were not included as part of the RAOC #2 IRM work plan. However, the management of the NORM materials in the basement and first floor sump will be documented in this CCR and the covering of the clay tile material on the first floor of the building will be documented in the FER.

3.1 Governing Documents

Governing documents related to the IRMs are included in the following table:

TABLE 3.1 – Governing Documents

Approval Document	Description
Interim Site Management Plan, Former Wollensack Optical, NYSDEC Site #C828209, 872 & 886 Hudson Avenue, Rochester, New York January 2019 by LaBella Associates, D.P.C.	Details procedures to manage contamination at the site that may be encountered during development activities until a site remedy and final SMP are developed and approved by the NYSDEC.
Interim Remedial Measure Work Plan RAOC #1 and ROAC #2, Former Wollensack Optical, 872 & 886 Hudson Avenue, Rochester, New York August 2019 by LaBella Associates, D.P.C. and modifications included in NYSDEC Approval Letter dated November 5, 2019	Details the in-situ chemical oxidation (ISCO) as an IRM for the overburden soil and groundwater in RAOC #1 and removal of building materials containing radiation as an IRM for RAOC #2. AMS authored a work plan specifically for RAOC #2 that was included as Appendix 5 of the IRM Work Plan.
Interim Remedial Measure RAOC #1 Design Document, Former Wollensack Optical Site, BCP Site No. C828209, 872 & 886 Hudson Avenue, Rochester, New York August 2019 by LaBella Associates, D.P.C. and modifications included in NYSDEC Approval Letter dated February 7, 2020	Provides additional detail on the planned IRM for RAOC #1 based on additional bedrock data generated subsequent to the submission of the IRM Work Plan.

All deviations from the NYSDEC approved IRM Work Plan and Design Document are noted in Section 3.7.

3.1.1 Site Specific Health & Safety Plan (HASP)

The HASP was included in Appendix 2 of the IRM Work Plan. The Health and Safety Plan (HASP) was complied with for all remedial and invasive work performed at the Site.

3.1.2 Quality Control Plan (QCP)

The QCP was included as Appendix 3 of the IRM Work Plan. The QCP describes the specific policies, objectives, organization, functional activities and quality assurance/ quality control activities designed to achieve the project data quality objectives.

3.1.3 Excavation Work Plan

All subsurface work was completed in accordance with the ISMP for the Former Wollensack Optical site. The Excavation Work Plan (EWP) was included in Appendix 3 of the ISMP. The EWP governs activities that may encounter remaining contamination and defines methods for notification, excavation, handling, screening, transport, disposal, importation of material, and reuse of materials. The EWP was followed during site activities to ensure compliance with applicable Federal, State and local laws and regulations.

3.1.4 Community Air Monitoring Plan (CAMP)

The CAMP was implemented during the IRM activities in accordance with the NYSDOH Generic CAMP included as Appendix 1 of the IRM Work Plan. Equipment utilized during the CAMP monitoring included upwind and downwind monitoring with a MiniRAE 3000 PIDs for VOC readings and TSI DustTrak™ II Aerosol Monitors (model 8530) for particulate concentrations in air. Based on daily wind conditions, a background monitoring (upwind) location and downwind location were positioned to monitor VOCs and concentrations of particulates in the air. Action levels for VOCs in the CAMP were specified as greater than 5 ppm, in which case work was to be halted and corrective actions are to be taken such as backfilling or covering soils.

Actions levels for particulate concentrations downwind were specified as greater than 100 µg/m^3 average above background concentrations for a 15-minute period or if airborne dust was observed leaving the work area. In the event 100 µg/m^3 is exceeded the CAMP specifies that fugitive dust control techniques must be employed which can include wetting down haul roads, spraying buckets, and covering areas with plastic sheeting. If downwind particulate levels exceed 150 µg/m^3 above background concentrations work must be halted and dust control measures must be reevaluated. Actual CAMP results and response actions are provided in Section 3.2.5.

3.1.5 Community Participation Plan

This Section summarizes the pertinent elements of the Community Participation Plan that were performed during the implementation of the IRM and those elements that pertain to the remainder of the remedial program. Elements of the Community Participation Plan include:

- Copies of the NYSDEC approved IRM Work Plan, the IRM RAOC #1 Design Document and other project documents are located in the following document repositories for public review:
    - Phillis Wheatley Library, 33 Dr. Samuel McCree Way, Rochester, New York
    - NYSDEC Region 8 Office, 6274 East Avon-Lima Road, Avon, New York

The NYSDEC approved Community Participation Plan for this site is dated January 2019.

3.2 IRM Program Elements

3.2.1 Contractors and Consultants

The following table identifies the consultants and contractors involved with the work associated with the IRM Actions:

Table 3.2.1 – Contractors and Consultants

Contractor/ Consultant	Role
LaBella Associates, D.P.C.	Environmental consultant responsible for correspondence with NYSDEC, ensuring compliance with applicable BCP documents, environmental oversight, reporting, sample collection and CAMP monitoring. Certifying Engineer of Record- Daniel P. Noll, P.E.
LaBella Environmental, LLC	Environmental contractor responsible for permanganate injections at injection wells, trenching and connecting injection wells via piping.
Austin Master Services, LLC (AMS)	Responsible for remediation of areas of elevated radioactivity and all associated confirmatory sampling and notification of regulatory agencies as well as completion of the Radiological Remediation Report.
Alpha Analytical (Alpha), Paradigm Laboratories	Laboratory testing of soil and groundwater samples.
Nothnagle Drilling Inc. (Nothnagle)	Contracted for installation of IRM treatment wells, monitoring wells, and well decommissioning.
T&R Towing and Service (aka Finger Lakes Envirotech, LLC or T&R Environmental)	Responsible for removal and disposal of development water from the treatment and monitoring well installations.
Waste Management High Acres Landfill; Covanta Niagara; Waste Control Specialists	Waste disposal facilities.
Casella Waste Systems, Inc.;	Waste hauler for contaminated soil and materials
IPC Services; Wheeling and Lake Erie Railway; CSX Transportation, Inc.; Union Pacific Railroad Company; WATCO Companies, LLC	Haulers involved with transporting low specific activity (LSA) class 7 (radioactive) material generated as part of RAOC #2.

3.2.2 Site Preparation

A Dig Safely underground utility stakeout was conducted prior to all underground intrusive work at the site.

- LaBella mobilized to the Site on January 16, 2020 to mark locations of treatment wells based on the IRM Work Plan and IRM RAOC #1 Design Document.
- AMS mobilized to the Site on January 16, 2020 to remediate areas with elevated radioactivity.
- Nothnagle Drilling mobilized to the Site on January 20, 2020 and LaBella Environmental LLC mobilized equipment and a dumpster lined with polyethylene sheeting.
- Decontamination pad for drilling equipment set up on January 21, 2020
- Underground Injection Control (UIC) inventory form authorization obtained from United States Environmental Protection Agency prior to injection work.
- While injection well installations were on-going, LaBella Environmental LLC mobilized to Site on February 26, 2020 to set up an interior secondary containment area for upcoming first round of injections in southwest corner of building. The area was completed with a containment berm and locked fencing. Drums and containers of 40% sodium permanganate solution were placed in the locked containment area in preparation for upcoming work. Caution signs were affixed to the containment area.
- On March 3, 2020 the IRM work plan and Design Document for trenching are reviewed on-Site with LaBella Environmental LLC staff prior to beginning work on March 4, 2020.
- Following completion of injection wells and well decommissioning by Nothnagle Drilling, LaBella Environmental LLC remobilized to Site on March 10, 2020 for the first injection round.

Work performed as part of the IRM was conducted by the site contractors listed in Table 3.2.1. Table 3.2.2 details the time frames of the remedial and excavation work activities.

Table 3.2.2 – Time Frames of Remedial Work Activities

Item	General Time Frame of Site Work
Radiological Remediation	
Fire Brick Removal	12/3/2019 to 12/6/2019(1)
Remediation of third floor section of floorboards and first floor sump by AMS	1/16/2020, 1/17/2020
Treatment Well Installation	
Installation of treatment wells and monitoring wells.	1/20/2020 through 1/22/2020(2), 1/23/2020, 1/2/2020, 1/27/2020 through 1/31/2020, 2/3/2020 through 2/7/2020, 2/11/2020 through 2/14/2020, 2/17/2020 through 2/21/2020, 2/24/2020 through 2/28/2020, 3/2/2020 through 3/5/2020
Treatment and monitoring Well Development	2/11/2020 through 2/14/2020, 2/17/2020 through 2/21/2020, 2/24/2020 through 2/28/2020, 3/2/2020 through 3/6/2020
Well decommissioning (3)	3/6/2020
Treatment Chemical Injection(3)	
Injection of sodium permanganate (RemOx® L)	3/9/2020 through 3/13/2020, 3/16/2020 through 3/20/2020
Post-injection cleanup	3/23/2020, 3/24/2020
Sampling of holding tank for water derived during installation activities.	3/26/2020
Subgrade Trenching for Injection Well Piping	
Cutting Concrete Slab(3)	3/31/2020 through 4/1/2020
Concrete Removal	4/2/2020
Trenching and Piping Installation	4/3/2020, 4/4/2020, 4/6/2020 through 4/8/2020, 4/13/2020 through 4/15/2020

Notes:

(1) Due to the lack of subsurface disturbance as part of the firebrick removal, CAMP was not required for that specific activity. However, other activities requiring CAMP were being completed at the Site during this same time period and as such, CAMP data was collected on December 3 through 6, 2019 and is included in Appendix B for comprehensiveness.

(2) Refer to Section 3.7 Summary of Deviations

(3) No subsurface disturbances, excavations or drilling. As such, the CAMP was not implemented during this time.

Documentation of NYSDEC approvals for the IRM Work Plan and Design Document are included in Appendix B. Other non-agency permits relating to the remediation project are provided in Appendix C.

Documentation of additional agency approvals required by the NYSDEC including requests for import and contained-in determinations are detailed in Sections 3.5and 3.3.3, respectively.

3.2.3 General Site Controls

Site controls utilized during the remedial work generally consisted of the following:

- Record keeping associated with environmental monitoring was completed by LaBella.
- The site building and boundary were locked each afternoon at the end of the day and all windows were boarded up to prevent access. A fence was placed around the entire site or work area to prevent unauthorized access to the site.
- On-site equipment was decontaminated after use each day or between injection locations by removing soil build-up using hand tools or pressure washer into a decontamination pad. Equipment and vehicles leaving the site were thoroughly scraped of all contaminated soil before exiting the site or being loaded onto transport trailers. Injection chemicals were stored in locked fenced area within the building to prevent unauthorized access during.
- Treatment wells were covered with a tripod and polyethylene sheeting to prevent splashing of any chemicals if the seal on the top of well were to compromised during pressurized injection pumping of treatment chemicals into the wells.
- Neutralizing agents were used to clean up spilled or daylight chemical oxidants during injections.

Any soil derived during well installations or trenching was transferred to polyethylene sheeting-lined rolloff dumpsters on-site prior to characterization for landfill disposal.

3.2.4 Nuisance Controls

Decontamination

Equipment and vehicles leaving the site were thoroughly scraped of all contaminated soil using hand tools (brooms, shovels, etc.) before exiting the Site or being loaded onto transport trailers as needed. Stabilized construction entrances constructed of NYSDEC-approved imported materials and geotextile fabric were also utilized to reduce potential tracking of soil off-site.

Dust Control

Airborne particulate levels were monitored both visually and with the CAMP monitoring equipment. Dust control measures included spraying water on equipment, excavation surfaces, drilling surfaces and cutting surfaces as need.

CAMP thresholds for dust were frequently exceeded during masonry work, electrical work, plumbing work and other interior work. These exceedances during interior work were due to cutting and demolition work being completed by site contractors in other portions of the building and not related to the potential exposure to contaminants from on-site soil, as discussed in Section 3.2.5.

Odor Control

Strong odors associated with contaminants of concern at the site (e.g., petroleum odors) were not encountered during the implementation of the IRM, as such, corrective actions associated with odor control were not required. Some elevated PID readings were identified throughout the project and were related to equipment use by other contractors or the use of plumbing glue during pipe connections. Additionally the CAMP station PIDs were periodically used to screen soils, wells, etc., causing occasional spikes in PID readings. This is discussed further in Section 3.2.5.

Truck Routing

The heaviest traffic to and from the site was associated with the transport of contaminated materials off-site for disposal or importation of backfill materials. Trucks generally entered and exited the Site from Avenue D and traveled Hudson Avenue to the Route 104 expressway.

3.2.5 CAMP Results

Per the IRM Work Plan, one (1) upwind and one (1) downwind CAMP station was generally utilized as part of the IRM implementation for ground intrusive work. During the remedial work, the air monitoring consisted of one upwind (work zone) station and one downwind (doorway) location. Although locations varied slightly by day, the work zone CAMP station was generally located within the Site building in the general vicinity of drilling and trenching while the doorway/out of work zone CAMP station was generally located just inside or just outside of the eastern portion of the Site building near the doorway at the northeast corner of the site building.

Each CAMP station consisted of a particulate monitor (DustTrak II Model 8530) and PID (MiniRAE 3000) which recorded measurements on a 15-minute average. The CAMP monitoring results identified the following particulate or VOC levels above action thresholds identified in the CAMP:

- During the treatment well installations, the PID average reading exceeded 5 ppm for one (1) 15 minute time interval in the work zone on February 14, February 17 and February 19, 2020. The doorway/out of work zone readings on each of these days for the same time intervals indicated that these elevated readings were not leaving the building. The February 14 reading may be related to screening free product that exhibited a solvent odor at the bottom of IW-D-8 during development in the same timeframe. The February 17 elevated reading is related to screening well downhole openings with the work zone PID which identified elevated PID readings in well locations IW-D-13 and IW-D-08. The February 19 elevated work zone PID is not related to the treatment well installations as the drillers were not drilling during the time of the elevated readings, as such, the elevated reading is likely a result of the attempted sampling of product at the bottom of well IW-D-08 that occurred at this time of which the residue was screened with the work zone PID. As such these readings do not represent actual readings within the typical breathing zone in the site building.
- The work zone CAMP station detected elevated PID readings above 5 ppm for one (1) 15 minute time period on April 4, 2020. Based on the notes from this day, elevated readings were likely the result of the use of PVC glue by plumbing contractors in the building. PID readings at the doorway location did not exceed a 5 ppm average for a 15 minute time interval at any point this day.
- The work zone CAMP station detected elevated PID readings above 5 ppm for 15 minute time periods on two occasions on April 6, 2020. Based on the notes from this day, elevated

readings were resulting of the use of PVC glue and spray paint during installation of piping associating with the treatment wells. PID readings at the doorway location did not exceed a 5 ppm average for a 15 minute time interval at any point this day.

- The work zone CAMP station detected elevated PID readings above 5 ppm for 15 minute time periods several times throughout the day on April 7, 2020. The elevated readings can be attributed to the use of PVC glue by LaBella LLC to connect the subgrade treatment well piping and plumbing contractors throughout most of the day. It should be noted that soil PID readings of soil disturbed during trenching did not exceed 5 ppm at any point that day.
- The average PID reading for one (1) 15 minute interval on April 7, 2020 reached approximately 21 ppm over background in the doorway CAMP during installation of piping in trenches connecting the treatment wells. The elevated readings are attributed to the use of PVC glue by plumbers and LaBella LLC in the immediate vicinity of the doorway CAMP station. It should be noted that soil PID readings of soil disturbed during trenching did not exceed 5 ppm at any point that day.
- Dust readings above 150 mg/m^3 in the work zone station were measured on several days during the injection well installations. Elevated readings were recorded on the following days:

January	February			March
• 1/20/20	• 2/3/20	• 2/13/20	• 2/21/20	• 3/2/20
• 1/21/20	• 2/4/20	• 2/14/20	• 2/24/20	• 3/3/20
• 1/22/20	• 2/5/20	• 2/17/20	• 2/25/20	• 3/4/20
• 1/23/20	• 2/6/20	• 2/18/20	• 2/26/20	
• 1/29/20	• 2/11/20	• 2/19/20	• 2/27/20	
• 1/30/20	• 2/12/20	• 2/20/20	• 2/28/20	

It should be noted the exceedances above were the result of masonry work (i.e., cutting concrete, bricks, mixing concrete etc.), demolition of concrete stairs, jackhammering concrete, wood cutting, pipe cutting, moving equipment on floor, dumping stone on ramp, sweeping and coring holes through wooden floor above.

Doorway readings were generally below 150 mg/m^3 with the exception of the following dates on which elevated readings were recorded:

• 1/20/20 • 1/21/20 • 1/22/20 • 2/5/20	• 2/12/20 • 2/14/20 • 2/17/20 • 2/20/20	• 2/21/20

The doorway station exceedances were also a result of masonry work which included, but is not limited to, cutting brick, mixing concrete and breaking exterior bricks, as well as framers sweeping floors before laying down wall frames.

- Work zone dust readings were elevated at 193 mg/m^3 for one (1) 15 minute period on April 3, 2020 during trenching in the Site building. The exact cause of dust was not recorded however; the doorway dust readings were below 150 mg/m^3 at that time.

All other CAMP data was below action thresholds. It should be noted that there are additional occasional spikes of elevated PID readings data related to the use of PVC glue, spray paint, running machinery or tools; however in these instances the 15-minute average remained below the 5 ppm threshold.

Copies of all field data sheets relating to the CAMP are provided in electronic format in Appendix D.

3.2.6 Reporting

Monthly progress reports consisted of a summary of the previous month's activities, including any soils tested and/or transported off-site, agency approvals, relevant laboratory data and mapping and any other pertinent notes about the IRM activities. These reports also included anticipated activities for the coming month. Monthly progress reports were distributed to the NYSDEC, New York State Department of Health (NYSDOH) and other relevant parties.

Daily field notes were recorded during IRM activities to document general information about daily activities. Additional field logs were collected during well installations to document well construction details, during well development, and during groundwater sampling to collect groundwater sampling parameters and well information. All monthly progress reports are included in electronic format in Appendix E. Field logs, well construction logs, well decommissioning logs, and well sampling logs are included in Appendix F.

The digital photo log is included in electronic format in Appendix G.

3.3 Interim Remedial Measure Activities and Contaminated Materials Removal

On-site locations from which materials were removed include RAOC #1 and RAOC #2. They are identified as follows:

- RAOC #1 – Soil from the installation of the treatment wells and subgrade piping and groundwater from the installation of the treatment and monitoring wells.
- RAOC #2 – Building materials containing radiation were removed from a small (3' x 3') contaminated area of floorboards on the third floor of the building, the sump located on the first floor of the building, and fire brick that was located within the building basement.

A list of the soil cleanup objectives (SCOs) for the contaminants of concern for this project is NYCRR Part 375-6.8(b) SCOs for a Restricted Residential Site.

Figures of the location of original sources and areas where contaminated material removal were performed are shown on Figure 3A (RAOC #1) and Figure 3B (RAOC #2).

3.3.1 RAOC #1 – Overburden CVOC Impacts

Treatment Well and Monitoring Well Installation

Between January 20 and March 5, 2020 twenty-nine (29) wells were installed in the interior of the Site building on the first floor (ground floor). Twenty-six (26) wells were installed as treatment wells which consisted of seventeen (17) overburden treatment wells designated as IW-S-01 through IW-S-17 and nine (9) bedrock treatment wells designated as IW-D-03, IW-D-07 through IW-D-09 and IW-D-12 through IW-D-16. Seven (7) pairs of the treatment wells were installed as nested pairs (i.e. an overburden and bedrock well within the same borehole) with the exception of wells IW-D-03 and IW-D-09.

Three (3) monitoring wells were installed within the 1st floor of the building space to replace existing monitoring wells located within the footprints of future residential apartments and one well (i.e. RIMW-16R) was installed to replace well RIMW-16 that was inadvertently destroyed (at an unknown date) during the installation of subgrade plumbing. Two (2) of the monitoring wells (i.e. RIMW-19S and RIMW-19D) consisted of a nested overburden/bedrock well. Well RIMW-16R was installed approximately 8 ft from the former location of RIMW-16. Monitoring well logs are included in Appendix F.

Overburden treatment wells were drilled to the top of bedrock then constructed with 15 ft of 2 inch diameter ID 0.020 inch slot PVC well screen and the appropriate length of solid PVC riser to complete the well. Sand pack was typically installed to approximately 2 ft above the top of the screen followed by a 1 to 2 ft thick bentonite seal above and completed with sand to near the floor surface. Bedrock injection and monitoring wells were typically drilled 10 ft into bedrock and constructed with 8.5 ft of 2 inch diameter 0.020 slot PVC well screen in the bedrock. A sand pack was typically placed to 0.5-ft above the top of the well screen followed by a 1 ft grout seal above the sand pack to separate the zone between the overburden and bedrock interface. In stand-alone bedrock wells the grout seal was extended to just below the floor surface. Treatment well construction logs are included in Appendix F.

During installation of wells excess soil was placed in a polyethylene lined rolloff dumpster and water produced from bedrock drilling and decontaminating equipment was containerized into 55-gallons drums then pumped into a holding tank pending characterization and disposal. Refer to Section 3.3.3 for disposal documentation of soil and water generated as part of the well installations. Locations of the treatment and monitoring wells installed are depicted on Figure 4.

Well Development

Following installation, treatment and groundwater monitoring wells were developed intermittently between the dates of February 11, 2020 and March 6, 2020. Groundwater depths were measured in each well to calculate purge volume and the wells were then purged with a submersible monsoon® pump until February 20, 2020 upon which bailers were used to purge wells due to pump malfunctioning. For development, three (3) well volumes or the amount of water that was lost during drilling, whichever was greater, was removed from each well. Purge volumes are included on Table 3.3.1A. While purging well IW-D-08 on February 13, 2020, a black substance identified as a dense non aqueous phase liquid (DNAPL) was observed in purge water. The purge water was then screened with a PID which indicated a reading of 275.7 ppm. The DNAPL was observed again from the same well on February 14, 2020 and noted to be of a slightly higher viscosity than water; the DNAPL also exhibited a solvent odor. On February 21, 2020 attempts were made to collect a sample of the free product from well IW-D-08, however due to the fact the thickness of the DNAPL layer was minimal (or was just a sheen), the product could not be recovered from the bailers. An additional attempt was made to collect a DNAPL sample on February 25, 2020 utilizing a peristaltic pump, but it was unable to be collected. A similar substance was discovered during purging well IW-D-09 on March 4 and 5, 2020. Attempts were made to sample the substance but it was unable to be recovered as it appeared to be a very thin layer.

Static water levels (SWLs) were collected periodically from the treatment wells prior to the wells being sealed beneath the floor to assess whether the well seal remains competent between the bedrock and overburden treatment wells. SWLs were collected periodically from February 11, 2020 to March 6, 2020 and are included on Table 3.3.1. Based on the SWLs included in Table 3.3.1, there did not appear to be a notable change over time indicating the seals between the bedrock and overburden wells are competent.

Monitoring Well Decommissioning

Five (5) wells (i.e. RIBW-A, RIMW-14, RIMW-15, RIMW-17 and RIMW-18) were decommissioned on March 6, 2020 in accordance with NYSDEC Commissioner Policy 43 (CP-43). The wells were decommissioned as they were in areas that are planned to be used as residential living space following building renovations. Wells were grouted in place (i.e., filled with grout) to the surface of the well casing. Well decommissioning logs are included in Appendix F.

Application of Treatment Chemical

A total of approximately 5,400-pounds (lbs) of the In-Situ Chemical Oxidation (ISCO) treatment chemical, sodium permanganate ("RemOx® L") was applied into the seventeen (17) overburden treatment wells from March 3 to March 20, 2020. Nine (9) 550 lb 55-gallon drums and eight (8) 57 lb 5-gallon containers of 40% solution was shipped to the Site and stored in a secondary containment structure in the interior southwest corner of the Site building. The containment area was secured with a fence and a locked gate when the sodium permanganate was not in use. A neutralizing agent was also stored on-site to mitigate any spills or areas where the chemical day-lighted.

The volume and injection concentrations were estimated by the chemical vendor (Carus) using analytical data and the known geology of the Site with the vendor's proprietary algorithm for estimating permanganate mass necessary to degrade the contaminants and to overcome the natural oxidant demand within the soil. Carus' calculations were included in the IRM Work Plan. In accordance with the IRM work plan, the chemical was to be diluted to 10% on-site by mixing it with approximately 2,000 gallons of potable water. The IRM Work Plan called for approximately 145 gallons of 10% solution to be applied to each treatment well. However, at some treatment well locations a concentration of 20% solution was pumped or gravity fed into wells that could not accept large volumes of the treatment chemical without daylighting. This was done to minimize daylighting. Total volumes and percentages of the treatment chemical applied to each treatment well are summarized on Table 3.3.1B. The sodium permanganate was mixed with an on-site potable water source (i.e., City of Rochester municipal water).

The chemical solution was applied with either a pneumatic pump and/or gravity fed into the top of each overburden treatment well prior to the installation of the subgrade piping. While the chemical was applied, observations of the 1st floor area and basement were frequently made to identify areas of daylighting that were subsequently used to render a decision whether to adjust the pump speed, gravity feed the treatment chemical, and/or adjust the % solution/volume of the treatment chemical into each treatment well. Due to daylighting of the treatment chemical at treatment wells adjacent to the basement, the amount of the treatment chemical was not able to be evenly distributed to each treatment well.

Throughout the injection work minor spills or daylighting of chemicals through cracks in the basement wall or boreholes were identified. During the injections for wells IW-S-06 and IW-S-16, small amounts of the treatment chemical was observed daylighting through cracks in the basement walls. The chemical was neutralized with the on-site reagent and then the cracks were sealed with hydraulic cement to prevent further instances of daylighting in the basement. All minor spills of the treatment chemical or areas where daylighting had occurred were either neutralized with a solution of white vinegar, hydrogen peroxide, or sodium thiosulfate as recommended by Carus. Test strips were used to confirm the chemical was neutralized at areas where it had day lighted.

Following the completion of the injection work on March 18, 2020, bedrock groundwater in nested pairs of the treatment wells was visually checked for the presence of sodium permanganate. Sodium permanganate solution was observed in all nested bedrock wells with the exception of IW-D-03. Following the completion of the injection work, dispersion of the treatment chemical was evaluated on March 26, 2020 by visually monitoring the groundwater color for a purple or red hue in select monitoring wells surrounding the treatment area which would indicate the likely presence of sodium permanganate solution in the groundwater. Groundwater was observed in overburden monitoring wells RIMW-02, RIMW-04, RIMW-05, SB-MW-07, SB-MW-10, SB-MW-14 and SB-MW-16 as well as bedrock monitoring wells BW-01, BW-03 and RIBW-C. However, evidence of dispersion of the sodium permanganate solution was not identified in these wells. On April 4, 2020, LaBella observed the same monitoring wells that were checked on March 26, 2020 with the addition of monitoring wells RIMW-08, RIMW-11, RIMW-16R, SB-MW-15, RIBW-B and BW-02. Sodium permanganate solution was identified only in well RIMW-16R.

Treatment Well Piping and Trenching

Following application of the sodium permanganate, trenching was completed to install horizontal piping beneath the floor slab to be used for subsequent injection events. The piping network was installed to allow for the treatment chemical to be pumped or gravity fed from outside of the building while the Site building is occupied.

The concrete floor was cut to form trenches connecting rows of treatment wells as shown on Figure 4. Trenches were generally approximately 12-16-inches in width. Trenches were excavated to the elevation required to set the pipe to obtain a minimum ¼ inch per foot pitch. Soil removed from the trenching work was disposed off-site as detailed in Section 3.3.3. Refer to Figure 5B for a cross section depicting approximate elevations for a typical row of piping.

The 2-inch PVC treatment well risers were cut to below the floor level, within the trenches at the appropriate elevation to obtain a minimum ¼ inch per foot pitch. A 1-inch diameter PVC pipe was connected to each 2-inch wellhead using a PVC reducing elbow and 1-inch diameter solid PVC piping was connected to the elbow and placed in the trench beneath the floor slab. Trenches were backfilled with NYSDEC-approved pea stone as summarized in Section 3.5. A 6 inch thick layer of concrete was restored to the finished floor elevation.

Each horizontal 1-inch diameter PVC pipe was connected to each well head beneath the floor that was routed to a header pipe in the basement by coring a section through the concrete wall. The cored section was drilled at the elevation of the trenching through the basement wall which is approximately 8-feet above the basement floor. The 1-inch diameter pipes connected to each individual well were routed through the basement wall and each connected to an individual shut off valve that will allow future applications of the treatment chemical to be targeted to a specific well/area. Additionally, pipes were labeled to identify the treatment well associated with each individual pipe and shut off.

The header pipes were routed within the ceiling of the basement through the eastern exterior building wall. Piping was installed at a minimum of ¼ inch per foot pitch towards the treatment wells to allow for treatment chemical to be applied from the eastern exterior of the Site building into the wells so that treatment chemical will not be trapped within the piping.

On the exterior of the building, a header pipe was terminated and capped with a locking cap outside of the eastern building wall where the treatment chemical will be applied for future injections. Refer to Figure 5A for the piping locations, Figure 5B cross section (not to scale) for the treatment system, and Figure 5C for the general schematic of the treatment wells. Refer to the treatment well construction logs for as-built constructions.

3.3.2 RAOC #2 – Building Materials Containing Radiation

AMS was retained to remediate two (2) radiologically contaminated areas consisting of a 3-ft by 3-ft area of contaminated floor boards on the third floor of the Site building and the sump contents located on the first floor (ground floor) of the Site building. AMS removed floor boards on the third floor by cutting through non-contaminated material surrounding the area. The contaminated boards and sump contents were containerized for off-site disposal.

A containment area consisting of plastic sheeting and a metal frame was built around the removal areas prior to remediation. The materials in the sump were containerized and the sump was pressure washed to remove any additional contamination. Water from pressure washing was containerized for off-site disposal. Containerized materials were placed in an area with signs indicating a radioactive hazard and roped off to prevent access until disposal.

Post remediation surveys and wipe samples were completed by AMS to confirm the removal of contamination. It should be noted that AMS indicated the sump contained a terra cotta material with glaze that is suspected of containing NORM and it was filled in with concrete to mitigate exposure. Refer to Appendix H for the Radiological Remediation Project Report completed by AMS dated January 28, 2020 for additional information regarding the remediation of RAOC #2. A copy of the AMS January 2020 Radiological Remediation Project that details the work is included in Appendix H.

Although not part of the IRM for RAOC #2, the former boiler fire brick within the basement contained NORM and was removed between December 3, 2019 to December 6, 2019 and disposed off-site. The removal of the fire brick was conducted concurrently with the basement demolition. In addition clay tile located at the southwestern area of the first floor was identified by AMS as NORM. The clay tile is to be covered with a layer of cement which will be documented in the FER.

Refer to Section 3.3.3 regarding disposal of the radiation containing materials and fire brick.

3.3.3 Disposal Details

Table 3.3.3 details the total quantities of each category of material removed from the site as part of these IRMs and the disposal locations. Waste disposal documentation including laboratory reports, manifests, weight tickets and Contained-In Demonstration approvals are included in Appendix F.

TABLE 3.3.3 – Summary of Contaminated Materials Disposal

Item	Date(s) of Disposal	Total Quantity Removed	Disposal Facility	Disposal Transporter	Summary of Waste Characterization Sampling and Disposal Documentation
Radioactive Waste	3/16/2020	Seven (7) 55-gallon drums	Waste Control Specialists EPA ID TXD988088464	Refer to Appendix I for Transporter Information	-Refer to Appendix I for Disposal Documentation.
Boiler Firebrick	1/6/2020	8.01 tons	High Acres Landfill, 425 Perinton Parkway, Fairport, NY (Landfill Profile #121794NY)	T&R Environmental, Permit No. 7A-709	-Collected a waste characterization sample (Alpha Analytical Lab Report L1934138) for TCLP for the landfill profile and in included in Appendix I -Refer to Appendix I for Disposal Documentation
Drill Cuttings from Treatment and Monitoring Well Installation	12/18/2019	13.12 tons	High Acres Landfill, 425 Perinton Parkway, Fairport, NY (Landfill Profile #122220NY)	Casella, Environmental Permit No. 8A-1099	Collected representative sample from contaminated roll-off dumpster for Contained-In Demonstration and landfill profile. -Alpha Analytical Lab Report L2012797 -Refer to Appendix I for Contained-In Demonstration Approval and Disposal Documentation.
Treatment Well Trench Material	4/15/2020, 4/16/2020	17.30 tons	High Acres Landfill, 425 Perinton Parkway, Fairport, NY Landfill Profile #122279NY	Casella, Environmental Permit No. 8A-1099	Collected representative sample from in place and excavated soil stockpile for Contained-In Demonstration and landfill profile. -Alpha Analytical Lab Reports L2014553 and Paradigm Analytical Lab Report 201494 -Refer to Appendix I for Contained-In Demonstration Approval and Disposal Documentation
Water from Well	4/17/2020	1,499 gallons	Canandaigua Waste Water Treatment Plant,	Finger Lakes Envirotech, LLC, Permit No. 7A-709	Alpha Analytical Lab Report L2013565

Item	Date(s) of Disposal	Total Quantity Removed	Disposal Facility	Disposal Transporter	Summary of Waste Characterization Sampling and Disposal Documentation
Installation and Development			183 Saltonstall Street, Canandaigua, NY 14424 (SPDES Permit No. NY0025968)		-Refer to Appendix I for Disposal Documentation.

3.3.4 On-Site Reuse

On-Site material was not reused as part of RAOC #1 and RAOC #2. Excavated soil for the RAOC #1 treatment well piping trench excavation on the first floor was sampled for reuse. However, the NYSDEC did not allow reuse of this material based on TCE results for samples IWTRENCHREUSE-01-20200403 and DUPE-G-20200403 indicating the concentration for TCE was 2.5 ppm and 4.6 ppm, respectively. The concentration of TCE exceeded the Site's SCO which is the Protection of Groundwater SCO for TCE at 0.47 ppm, not the Restricted Residential use SCO of 21 ppm. As such, this material was disposed off-Site as described in Section 3.3.3.

A copy of the Request to Reuse Soil and NYSDEC correspondence is included in Appendix J.

3.4 Remedial Performance/Documentation Sampling

Groundwater samples were collected as part of the RAOC #1 remedial work and radiation screening was conducted as part of the removal of RAOC #2 radiation containing materials as discussed below. The groundwater sampling results that was conducted as part of the performance monitoring is summarized in Table 3.4.

3.4.1 RAOC #1 Post Injection Groundwater Monitoring

Groundwater monitoring was completed approximately 6 weeks and 12 weeks following the application of the treatment chemical, sodium permanganate. The 6-week monitoring event was conducted on May 12 and May 13, 2020 and the 12-week monitoring event was conducted on June 29 and June 30, 2020. Samples were collected in accordance with the NYSDEC approved IRM Work Plan, the NYSDEC approved IRM RAOC #1 Design Document and LaBella's Quality Control Plan included in Appendix 3 of the IRM Work Plan which included collection of MS/MSD and duplicate samples for each event.

Groundwater monitoring wells BW-01, BW-03, RIMW-02, RIMW-04, RIMW-16R, SB-MW-07, SB-MW-14, SB-MW-15, and SB-MW-16 were sampled for both the 6-week and 12-week monitoring events. A groundwater sample was not collected from monitoring wells RIMW-19S and RIMW-19D as there was a concern that sodium permanganate solution observed in the wells would damage the sampling equipment. However, monitoring wells RIMW-19S and RIMW-19D were sampled during the 12-week monitoring event with a disposable bailer to prevent potential damage to low flow sampling equipment.

To summarize contaminant concentration trends in groundwater, graphs depicting the concentrations of select VOCs (i.e. TCE, cis-1,2-dichloroethene (cis-1,2-DCE), and total VOCs) are included in Appendix K. The results were also compared to samples collected from the monitoring well prior to the application of the treatment chemical to compare baseline concentrations to post injection concentrations.

Overall, substantial contaminant reductions were observed in the original "worst-case" wells (i.e., BW-03, RIMW-16R, SB-MW-07, SB-MW-14, SB-MW-15). Slight changes or relatively stable contaminant concentrations were generally measured in wells that initially did not have extremely elevated concentrations of CVOCs. One (1) well was noted to have a substantial increase in CVOC concentration from baseline; BW-01 which is a bedrock well located off-site to the south of the Site building.

A summary of the pre- and post-treatment groundwater results is below.

RIMW-02

Well RIMW-02 is located slightly upgradient from the source of the groundwater plume, located within the Site building basement, and is approximately 10 ft from the nearest treatment well. Post injection concentrations of VOCs in RIMW-02 generally decreased subsequent to the injection of the treatment chemical during the 6 and 12 week sampling events when compared with the baseline sampling event in August 2018. The table below demonstrates the change in concentration of select VOCs from concentrations encountered in July 2019 (baseline) to the 12 week post injection sampling event.

Table 3.4.1C – RIMW-02 Summary of Contaminant Concentrations

Contaminant	Baseline July 2019 (ug/l)	6-Week Post Injection Monitoring May 2020 (ug/l)	12-Week Post Injection Monitoring June 2020 (ug/l)	% Change of Contaminant from Peak Concentration
Total VOCs	261.34	79.78	132.65	-49.2
TCE	200	53	98	-51.0
Cis-1,2-DCE	14	1.9	4.8	-65.7

RIMW-04

Well RIMW-04 is located upgradient from the source of the groundwater plume, located within the Site building basement, and is approximately 25 ft from the nearest treatment well. Post injection concentrations of VOCs slightly increased subsequent to the injection of the treatment chemical during the 6 and 12 week sampling events when compared with the baseline sampling event in July 2019. The slight increase in concentrations does not appear to represent a significant change. Since well RIMW-04 is approximately 25 feet away from the closest treatment well and hydraulically upgradient, immediate, notable influence of the treatment chemical was not anticipated to be observed at this location. Rather, the treatment of the source area by the chemical is anticipated to decrease impacts in this periphery well in the long term. The table below demonstrates the change in concentrations of select VOCs from peak concentrations encountered in the July 2019 sampling event to the 12 week post injection sampling event.

Table 3.4.1D – RIMW-04 Summary of Contaminant Concentrations

Contaminant	Baseline July 2019 (ug/l)	6-Week Post Injection Monitoring May 2020 (ug/l)	12-Week Post Injection Monitoring June 2020 (ug/l)	% Change of Contaminant from Peak Concentration
Total VOCs	237.3	585	397.4	+67.5
TCE	120	290	220	+83.3
Cis-1,2-DCE	7.4	41	31	+318.9

RIMW-16R

Well RIMW-16R is located within the treatment area. Post injection concentrations of VOCs decreased subsequent to the injection of the treatment chemical during the 6 and 12 week sampling events when compared with the baseline sampling event in July 2019. The table below demonstrates the change in concentrations of select VOCs from peak concentrations encountered in the July 2019 sampling event to the 12 week post injection sampling event.

Table 3.4.1E – RIMW-16R Summary of Contaminant Concentrations

Contaminant	Baseline July 2019 (ug/l)*	6-Week Post Injection Monitoring May 2020 (ug/l)	12-Week Post Injection Monitoring June 2020 (ug/l)	% Change of Contaminant from Peak Concentration
Total VOCs	13,066	5,850	4,460	-65.9
TCE	13,000	5,800	4,400	-66.1
Cis-1,2-DCE	ND	ND	ND	Not Applicable

*Note: Groundwater results from well RIMW-16 were used as a baseline comparison. ND denotes concentration not detected above the laboratory method detection limit.

SB-MW-07

Well SB-MW-07 is located off-site, downgradient from the source of the groundwater plume, within the Hudson Avenue right-of way, and approximately 18 ft from the nearest treatment well. Post injection concentrations of VOCs increased subsequent to the injection of the treatment chemical during 6 week sampling event, then decreased during the 12-week sampling event when compared with the baseline sampling event in July 2019. The increase in concentration of VOCs shown in the 6-week sampling event may be attributed to the application of treatment chemical disturbing the existing equilibrium of the subsurface thus releasing contamination from the formation. The table below demonstrates the change in concentrations of select VOCs from peak concentrations encountered in the July 2019 sampling event to the 12 week post injection sampling event.

Table 3.4.1F – SB-MW-07 Summary of Contaminant Concentrations

Contaminant	Baseline July 2019 (ug/l)	6-Week Post Injection Monitoring May 2020 (ug/l)	12-Week Post Injection Monitoring June 2020 (ug/l)	% Change of Contaminant from Baseline
Total VOCs	8,029	14,081	4,300	-46.4
TCE	8,000	14,000	4,316	-46.1
Cis-1,2-DCE	ND	ND	ND	Not Applicable

Note: ND denotes concentration not detected above the laboratory method detection limit.

SB-MW-14

Well SB-MW-14 is located off-site, upgradient from the source of the groundwater plume, located within the Avenue D right-of way, and is approximately 12 ft from the nearest treatment well. Post injection concentrations of VOCs decreased subsequent to the injection of the treatment chemical when compared with the baseline sampling event in July 2019. The table below demonstrates the change in concentrations of select VOCs from the baseline concentrations encountered in the July 2019 sampling event to the 12 week post injection sampling event.

Table 3.4.1G – SB-MW-14 Summary of Contaminant Concentrations

Contaminant	Baseline July 2019 (ug/l)	6-Week Post Injection Monitoring May 2020 (ug/l)	12-Week Post Injection Monitoring June 2020 (ug/l)	% Change of Contaminant from Peak Concentration
Total VOCs	181,240	76,000	90,700	-50.0
TCE	180,000	74,000	89,000	-50.6
Cis-1,2-DCE	ND	ND	NS	Not Applicable

Note: ND denotes concentration not detected above the laboratory method detection limit.

SB-MW-15

Well SB-MW-15 is located off-site, downgradient from the source of the groundwater plume within the Hudson Avenue right-of way and is located approximately 20 ft from the nearest treatment well. Post injection concentrations of VOCs decreased subsequent to the injection of the treatment chemical when compared with the baseline sampling event in July 2019. The table below demonstrates the change in concentrations of select VOCs from the baseline concentrations encountered in the July 2019 sampling to the 12 week post injection sampling event.

Table 3.4.1H – SB-MW-15 Summary of Contaminant Concentrations

Contaminant	Baseline July 2019 (ug/l)	6-Week Post Injection Monitoring May 2020 (ug/l)	12-Week Post Injection Monitoring June 2020 (ug/l)	% Change of Contaminant from Peak Concentration
Total VOCs	18,538	10,140	6,122	-67.0
TCE	18,000	9,700	5,800	-67.8
Cis-1,2-DCE	280	260	200	-28.6

SB-MW-16

Well SB-MW-16 is located slightly upgradient from the source of the groundwater plume within the Site building's basement and is located approximately 10 ft from the nearest treatment well. Post injection concentrations of VOCs slightly increased subsequent to the injection of the treatment chemical when compared with the baseline sampling event in July 2019. The table below demonstrates the change in concentrations of select VOCs from the baseline concentrations encountered in the July 2019 to the 12 week post injection sampling event.

Table 3.4.1I – SB-MW-16 Summary of Contaminant Concentrations

Contaminant	Baseline July 2019 (ug/l)	6-Week Post Injection Monitoring May 2020 (ug/l)	12-Week Post Injection Monitoring June 2020 (ug/l)	% Change of Contaminant from Peak Concentration
Total VOCs	301	630.1	392.08	+30.3
TCE	280	260	350	+25.0
Cis-1,2-DCE	10	8.5	17	+70.0

Although the concentrations of the chemicals of concern increased, the actual change in concentration is not significant when compared to the baseline concentrations. For example, the VOC cis-1,2-DCE increased from 10 ug/l (baseline) to 17 ug/l (12-week monitoring event). As with RIMW-04, because SB-MW-16 is hydraulically upgradient of the treatment area, immediate, notable influence of the treatment chemical was not anticipated to be observed at this location. Rather, the treatment of the source area by the chemical is anticipated to decrease impacts in this periphery well in the long term.

RIMW-19S

Well RIMW-19S is located within the treatment area and was installed during the installation of the treatment system. A graph for well RIMW-19S was not completed as there was not a baseline groundwater sample collected from this well and the only VOC that was detected at a concentration above the NYSDEC groundwater standard was acetone estimated at 78 ug/l.

RIMW-19D

Well RIMW-19D is located within the treatment area and was installed during the installation of the treatment system. A graph for well RIMW-19D was not completed as there was not a baseline groundwater sample collected from this well and the only VOC that was detected at a concentration above the NYSDEC groundwater standard was acetone estimated at 94 ug/l.

Well BW-01

Well BW-01 is off-site but has been used for monitoring purposes based on its proximity to the apparent source area. This well is located upgradient from the source of the groundwater plume, within the Avenue D right-of way and approximately 10 ft from the nearest treatment well. Post injection concentrations of VOCs in BW-01 increased subsequent to the injection of the treatment chemical during 6 and 12 week sampling events when compared with the baseline sampling event in August 2018. The increase in concentration of VOCs may be attributed to the application of treatment chemical disturbing the existing equilibrium of the subsurface, thus causing VOCs within the rock matrix to diffuse into groundwater.

As indicated on the BW-01 graph (Appendix K), peak total VOC concentrations were detected during the 12-week post injection monitoring event at a concentration of 5,634 ug/l that is greater that the August 2018 baseline sampling event total VOC concentration of 155.84 ug/l. The table below shows the increase of the select VOCs from the baseline sampling results to the 6 and 12 week post injection groundwater monitoring results.

Table 3.4.1A - BW-01 Summary of Contaminant Concentrations

Contaminant	Baseline August 2018 (ug/l)	6-Week Post Injection Monitoring May 2020 (ug/l)	12-Week Post Injection Monitoring June 2020 (ug/l)	% Change of Contaminant from Peak Concentration
Total VOCs	155.84	4,693	5,634	+3,515
TCE	130	4,500	5,400	+4,054
Cis-1,2-DCE	10	180	220	+2,100

BW-03

Well BW-03 is also located off-site but has been utilized for monitoring purposes. This well is located downgradient from the source of the groundwater plume, within the Hudson Avenue right-of way, and approximately 27 ft from the closest treatment well. Post injection concentrations of VOCs in BW-03 generally decreased subsequent to the injection of the treatment chemical during 6 and 12 week sampling event when compared with the baseline sampling event in August 2018. The table below demonstrates the reduction of select VOCs from peak concentrations encountered in August 2018 (baseline) to the 12 week post injection sampling event.

Table 3.4.1B - BW-03 Summary of Contaminant Concentrations

Contaminant	Baseline August 2018 (ug/l)	6-Week Post Injection Monitoring May 2020 (ug/l)	12-Week Post Injection Monitoring June 2020 (ug/l)	% Change of Contaminant from Peak Concentration
Total VOCs	8,220	3,458	2,855	-64.9
TCE	7,200	120	13	-99.8
Cis-1,2-DCE	1,000	3,300	2,800	+180*

*The concentrations of cis-1,2-DCE increased since the baseline sampling event. Cis-1,2-DCE is a breakdown compound of TCE and may indicate the ongoing attenuation of TCE in groundwater.

NAPL

As described in Section 3.3.1, NAPL was observed in treatment wells IW-D-08 and IW-D-09 during well development. These wells have been connected to the treatment system and thus NAPL gauging in these wells cannot be completed. However, NAPL gauging was completed in all monitoring wells as part of the groundwater sampling events and was not encountered.

A table and figure summarizing all groundwater monitoring results is included in Table 4.3 and Figure 4, respectively

Data Usability Summary Reports (DUSRs) were prepared for all groundwater performance samples. The DUSR is included in Appendix L, and associated ASP B laboratory reports are provided electronically in Appendix M. The results of the DUSR indicate the data should be considered technically defensible and completely usable in its present form.

3.4.2 RAOC #2 – Survey Data Post Removal of Radiation Containing Materials

AMS survey data following the removal of materials containing radiation from the third floor boards and first floor sump are discussed in detail in the report included in Appendix H.

3.5 Imported Backfill

A table of all sources of imported backfill with quantities for each source is shown in Table 4.5. Please note that the imported material was exempt from chemical testing in accordance with DER-10 Section 5.4(e)(5).

TABLE 3.5 – Imported Backfill Material Summary

Location or Use	Type	Source	Estimated Volume or Tonnage	NYSDEC Approval Date
Injection Piping Trench Excavation	Pea Gravel	Valley Sand and Gravel, 91 River Road, Scottsville, NY	19.58 tons	August 14, 2020

Requests for import, associated approvals, and associated weigh or volume receipts are included in Appendix N.

A figure showing the site locations where backfill was used at the site is shown in Figure 5A.

3.6 Soil Cover or Cap System

Exposure to remaining contamination in soil/fill at the site is anticipated to be addressed by a soil cover or cap system placed over the site. The final cover or cap system is presented in a Remedial Action Work Plan and will documented in the final SMP and FER for the site.

3.7 Deviations

The following deviations are noted in Table 3.7 for the work completed as part of the CCR.

Table 3.7 – Summary of Deviations

Item	Deviation
Section 3.3.1	1. Nine (9) bedrock injection wells were installed however the IRM RAOC #1 Design Document indicated that seven (7) bedrock injection wells would be installed. This deviation was discussed and approved by the NYSDEC.

Item	Deviation
	2. An equal amount of permanganate was not introduced into each overburden treatment well. 3. Post injection groundwater monitoring did not include well RIBW-A, RIMW-16, RIMW-17 or RIMW-18. Wells RIMW-A, RIMW-17, and RIMW-18 were decommissioned as they were located within future residential apartments. RIMW-16 was destroyed during the installation of plumbing.
Section 3.3.3	1. Missing manifests for the disposal of the drill cuttings generated from the treatment and monitoring wells and the trench spoils generated from the installation of the horizontal piping on the first floor.
Section 3.2.5 (Appendix B)	1. Issues were encountered downloading work zone/upwind PID data for the dates 1/22/2020 as part of the injection well installation. Data was collected however the monitoring unit was unable to download the data due to equipment malfunction. 2. CAMP data consisting of particulate monitoring and PID readings were not collected on 3/31/2020 because only cuts in concrete slab were completed and no soil was disturbed. 3. CAMP stations were set up on 4/1/2020 however data could not be downloaded due to equipment malfunction. Work that day only consisted of cutting concrete and no soil was disturbed.

FIGURES

N
W E
S

0 500 1,000
Feet

1 inch = 1,000 feet

SITE

Legend

BCP Boundary

NOTES:
1) Property boundaries obtained from Monroe County GIS 2016 and are considered approximate.
2) Topographic map obtained from USGS and may not represent current conditions.

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NYSDEC BCP SITE #C828209
872 AND 886 HUDSON AVENUE
ROCHESTER, NEW YORK

DRAWING TITLE

SITE LOCATION MAP

ISSUED FOR: DRAFT
DESIGNED BY: MFP
DRAWN BY: SMR
REVIEWED BY: MM
DATE: 8/15/2020

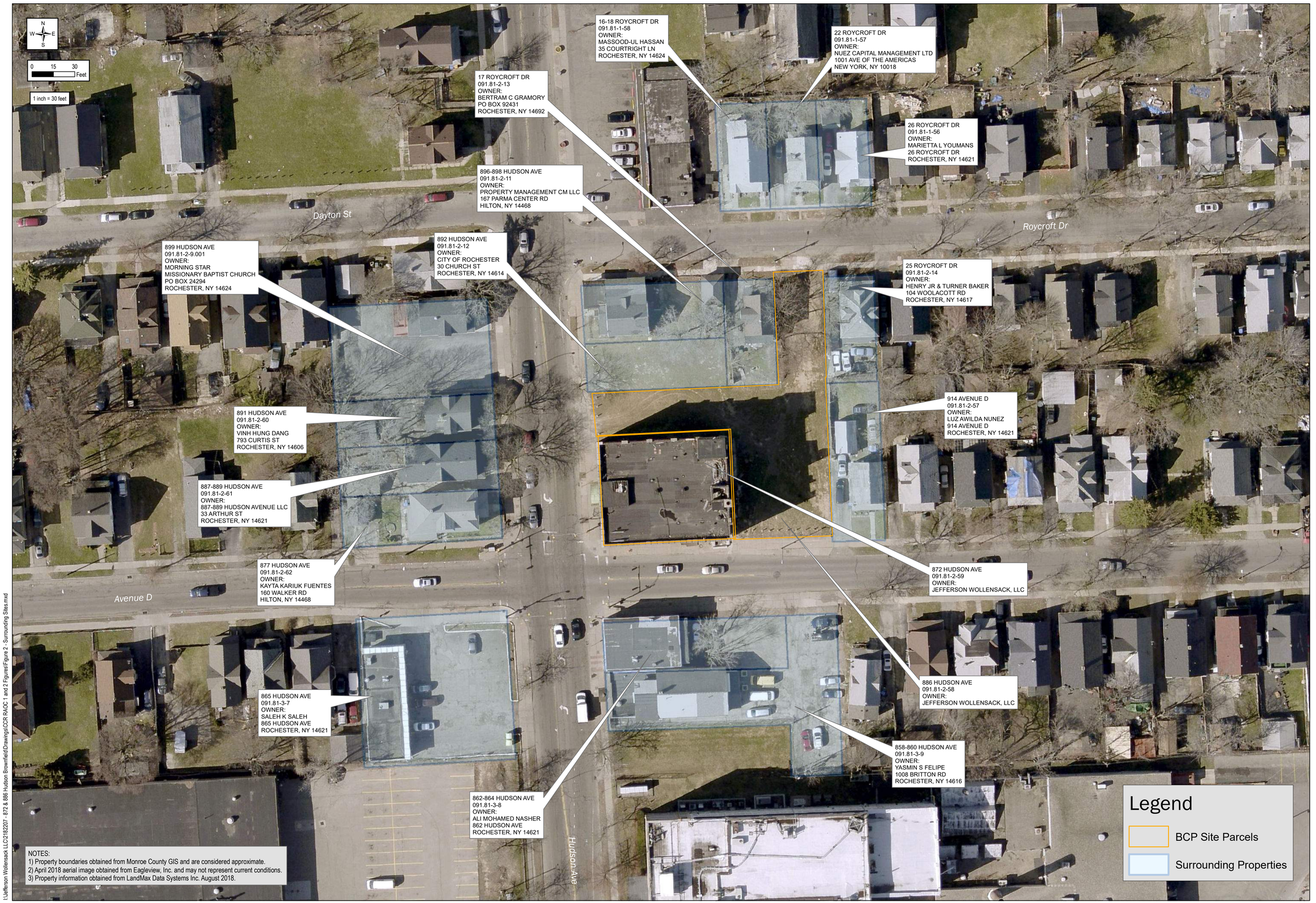
INTENDED TO PRINT AS: 11" X 17"

PROJECT/DRAWING NUMBER

2182207

FIGURE 1

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NOTES:
1) Property boundaries obtained from Monroe County GIS and are considered approximate.
2) April 2018 aerial image obtained from Eagleview, Inc. and may not represent current conditions.
3) Property information obtained from LandMax Data Systems Inc. August 2018.

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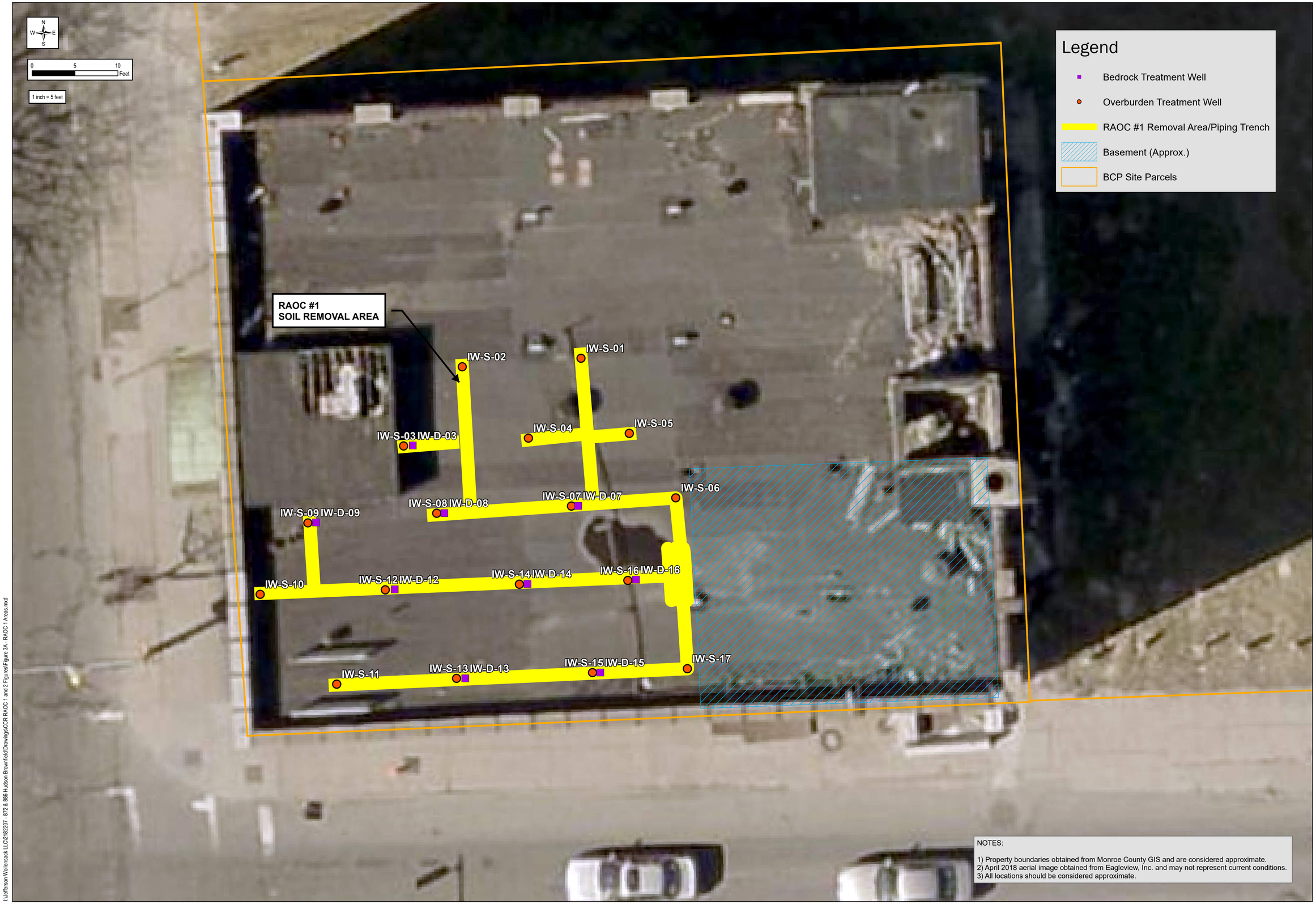
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NYSDEC BCP SITE #C828209
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ROCHESTER, NEW YORK

DRAWING TITLE
SITE AND SURROUNDING PROPERTIES

DESIGNED BY: MFP
DRAWN BY: MFP
REVIEWED BY: MFP

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[2182207]
[FIGURE 2]
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872 AND 886 HUDSON AVENUE
ROCHESTER, NEW YORK

DRAWING TITLE

RAOC #1
CONTAMINATED MATERIAL REMOVAL AREA

DESIGNED BY: MFP
DRAWN BY: MFP
REVIEWED BY: MFP

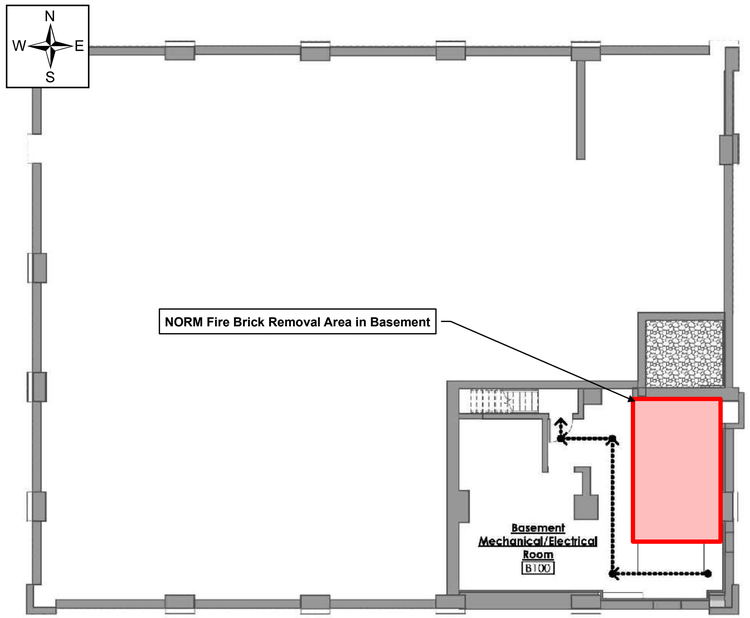
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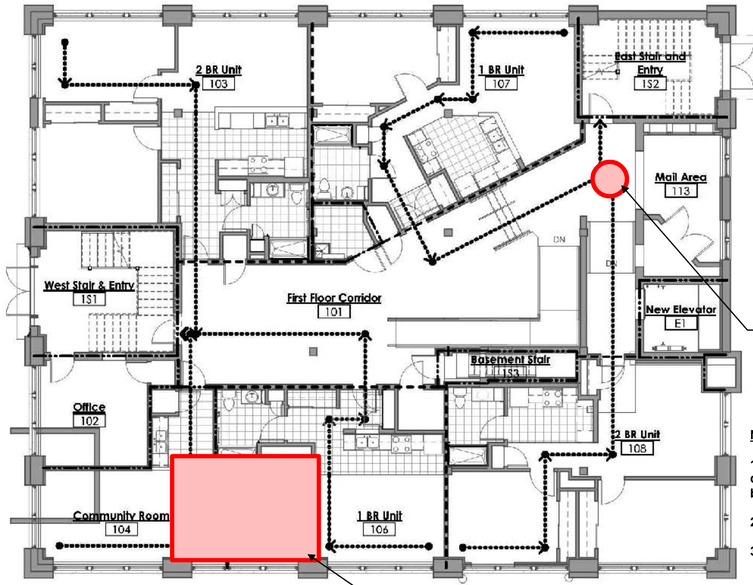
[2182207]

[FIGURE 3A]

INTENDED TO PRINT AS: 22" X 24"



1 Life Safety - Basement
1/8" = 1'-0"



2 Life Safety - Floor 1
1/8" = 1'-0"

Travel Distance	
Path ID	Travel Distance
	0'
103	55'
104	44'
106	67'
107	81'
108	74'
203	88'
205	87'
206	84'
208	71'
B	38'
R	122'

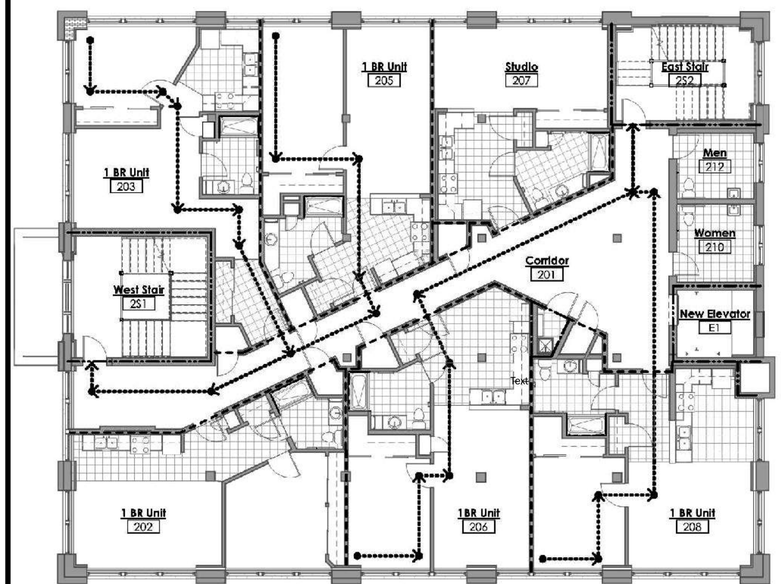
Note: Travel distances at floors 3 and 4 are similar to those at floor 2.

NOTES:

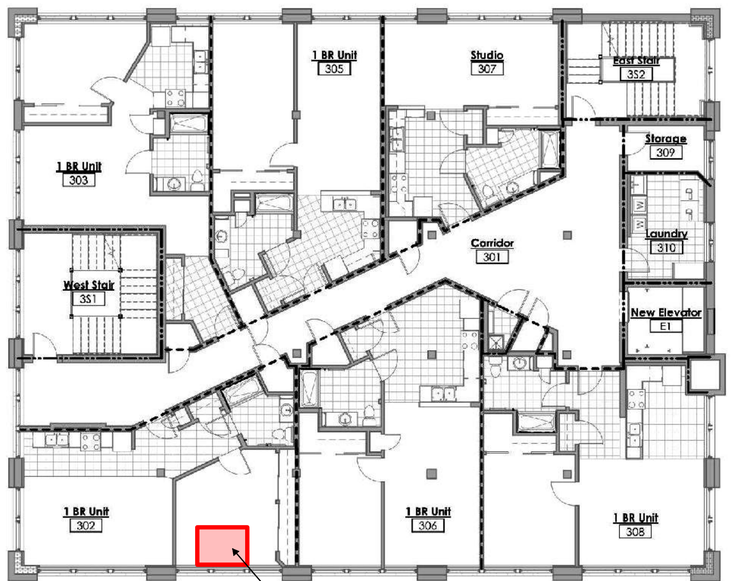
1) Drawing AO.2 from Barkstrom and LaCroix Architects dated 7/16/2018 and may not represent final layout of building.

2) All locations are considered approximate.

3) NORM denotes Naturally Occuring Radioactive Material.



3 Life Safety - Level 2
1/8" = 1'-0"



4 Life Safety - Level 3
1/8" = 1'-0"

Wall Rating Legend

Draftstopping — One Hour Fire Barrier
Two Hour Fire Barrier — One Hour Fire Partition

1. Fire barriers shall extend from the top of the floor/ceiling assembly below to the underside of floor or roof deck above and shall be securely attached thereto. Fire barriers shall be continuous through concealed spaces (ie: space above suspended ceiling). Construction supporting fire barriers shall carry a matching fire resistance rating. Shafts may terminate at the underside of a rated roof/ceiling assembly. Fire barriers shall be fire blocked at every floor.

2. Fire partitions shall extend from the top of the foundation or floor/ceiling assembly below to the underside of the floor or roof sheathing, slab or deck above or to the fire-resistance-rated floor/ceiling or roof/ceiling assembly above, and shall be securely attached thereto. If the partitions are not continuous to the sheathing, deck or slab, and where constructed of combustible construction, the space between the ceiling and the sheathing, deck or slab above shall be fireblocked or draftstopped in accordance with 2015 International Building Code at the partition line. Construction supporting fire partitions shall carry a matching fire-resistance rating. Where the room-side fire-resistance-rated membrane of the corridor is carried through to the underside of the floor or roof sheathing, deck or slab of a fire-resistance-rated floor or roof above, the ceiling of the corridor shall be permitted to be protected by the use of ceiling materials as required for a 1-hour fire-resistance-rated floor or roof system.

For this drawing to be valid this piece of cell measure 1" on a side and the outlines will be the same as the line visible.

1"

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Revision Schedule		
Revision Number	Revision Date	Revision Description

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Rochester, New York

Jefferson Wollensak

872 Hudson Avenue
Rochester, New York

Wollensack Optical Conversion

drawn	checked	date	project
-	-	07-06-18	#1625

Codes and Life Safety

75% Set

A0.2

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ROCHESTER, NEW YORK

DRAWING TITLE
RAOC #2
BUILDING MATERIAL REMOVAL AREAS

DESIGNED BY: MFP
DRAWN BY: MFP
REVIEWED BY: MFP

ISSUED FOR
FINAL
Monday, August 17, 2020

PROJECT/DRAWING NUMBER
[2182207]
[FIGURE 3B]
INTENDED TO PRINT AS: 22" X 24"

Original Sheet Size= 24" x 36"

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N
W E
S

0 5 10 Feet

1 inch = 5 feet

SB-06
RIBW-B
SB-MW-12
SB-MW-11
RIMW-15
RIMW-14
RIMW-12
SB-17
BW-03
IW-S-02
IW-S-01
RIMW-16R
RIMW-16
IW-S-03
IW-D-03
IW-S-04
IW-S-05
SB-MW-07
IW-S-06
IW-S-07
IW-D-07
IW-S-08
IW-D-08
IW-S-09
IW-D-09
SB-MW-16
RIMW-17
IW-S-12
IW-D-12
IW-S-14
IW-D-14
IW-S-16
IW-D-16
IW-S-10
RIMW-19S/19D
RIBW-A
RIMW-02
RIMW-04
SB-MW-04
RIMW-18
IW-S-17
IW-S-15
IW-D-15
IW-S-11
IW-S-13
IW-D-13
SB-MW-15
SB-09
SB-MW-10
SB-MW-14
BW-01
SB-08
BW-02

Legend

- Well Decommissioned or Destroyed
- Bedrock Treatment Well
- Overburden Treatment Well
- RI Bedrock wells (approximate location)
- RI Monitoring Well/Soil Boring
- Pre-BCP Overburden Monitoring Well
- Pre-BCP Soil Boring
- Pre-BCP Bedrock Wells
- Performace Monitoring Well
- Basement (Approx.)
- BCP Site Parcels

NOTES:

1) Property boundaries obtained from Monroe County GIS and are considered approximate.
2) April 2018 aerial image obtained from Eagleview, Inc. and may not represent current conditions.
3) All locations should be considered approximate.

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DRAWING TITLE

RAOC #1 TREATMENT WELL AND MONITORING WELL LOCATIONS

DESIGNED BY: MFP
DRAWN BY: MFP
REVIEWED BY: MFP

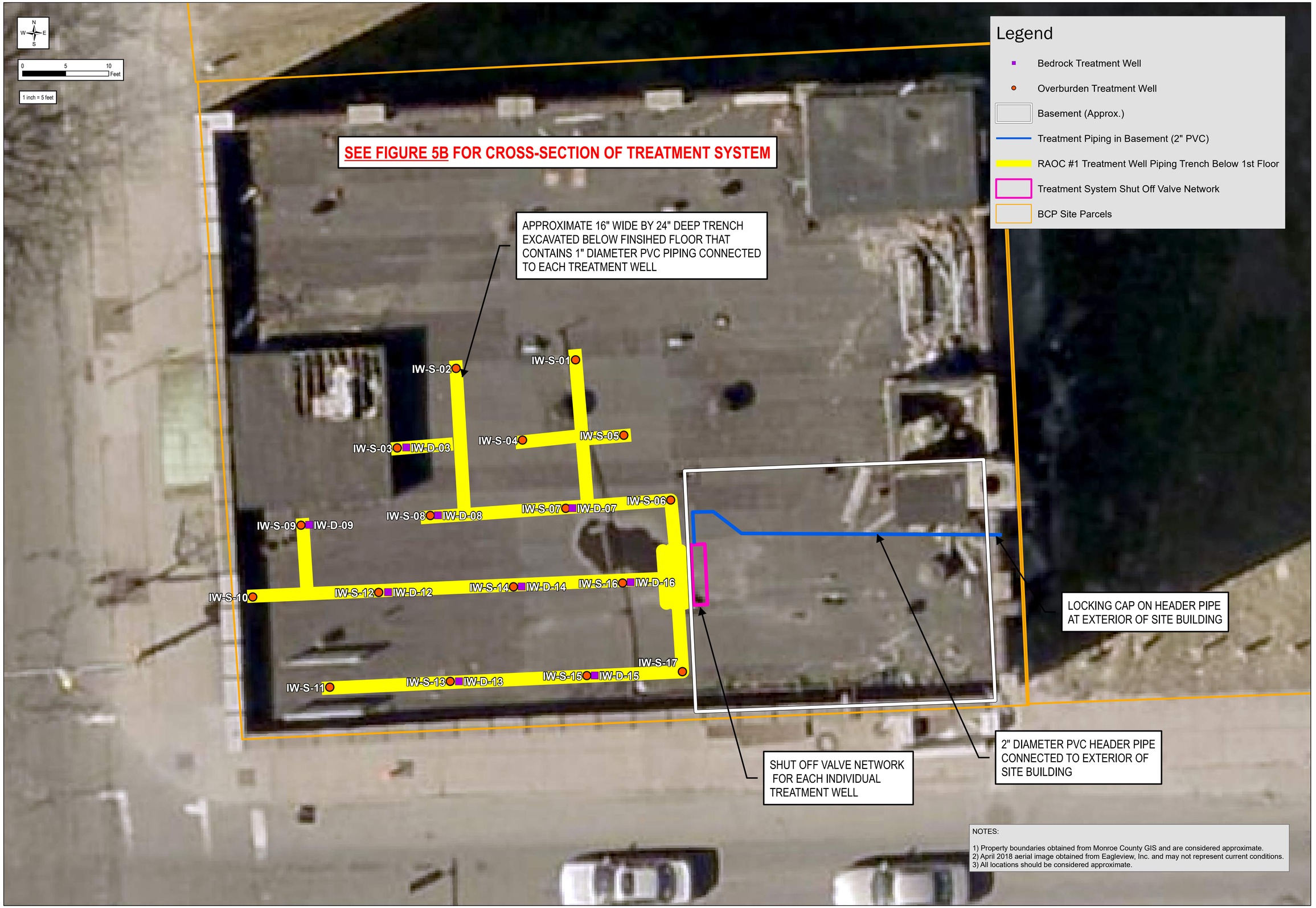
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[2182207]

[FIGURE 4]

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DRAWING TITLE

RAOC #1 TREATMENT WELL AND PIPING LOCATION AS-BUILT LAYOUT

ISSUED FOR
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Monday, August 17, 2020

DESIGNED BY: MFP
DRAWN BY: MFP
REVIEWED BY: MFP

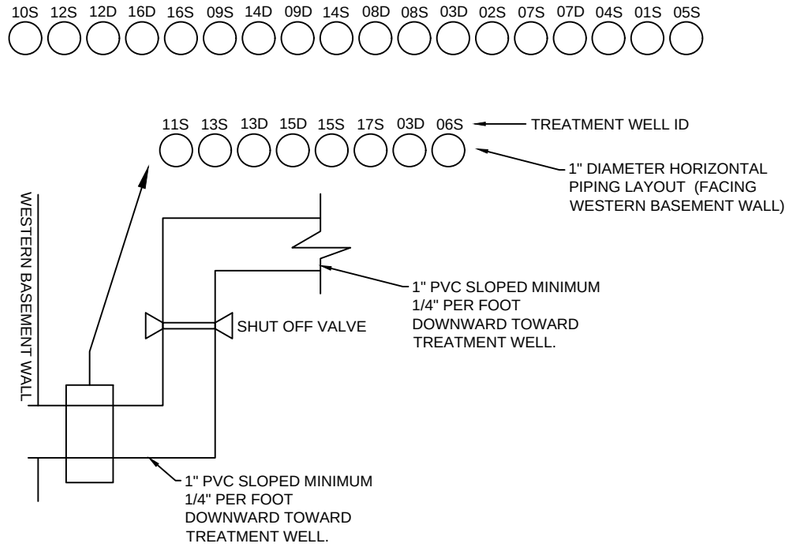
PROJECT/DRAWING NUMBER

[2182207]

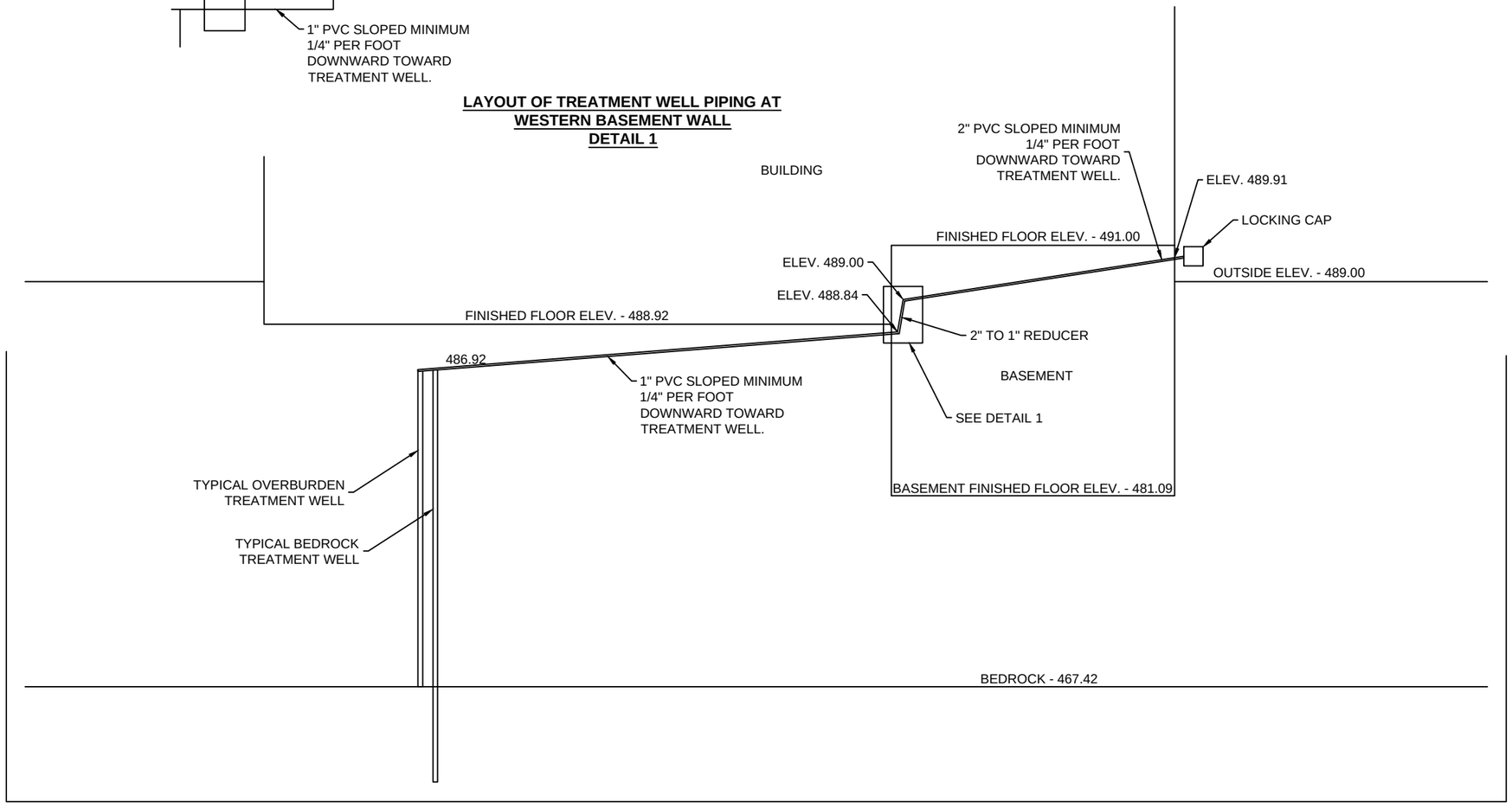
[FIGURE 5A]

INTENDED TO PRINT AS: 22" X 24"

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LAYOUT OF TREATMENT WELL PIPING AT WESTERN BASEMENT WALL DETAIL 1



NOTES:
1. REFER TO FIGURE 5A FOR LAYOUT OF TREATMENT SYSTEM
2. NOT TO SCALE
3. CROSS SECTION LOOKING NORTH

NO. | REVISION | BY | DATE

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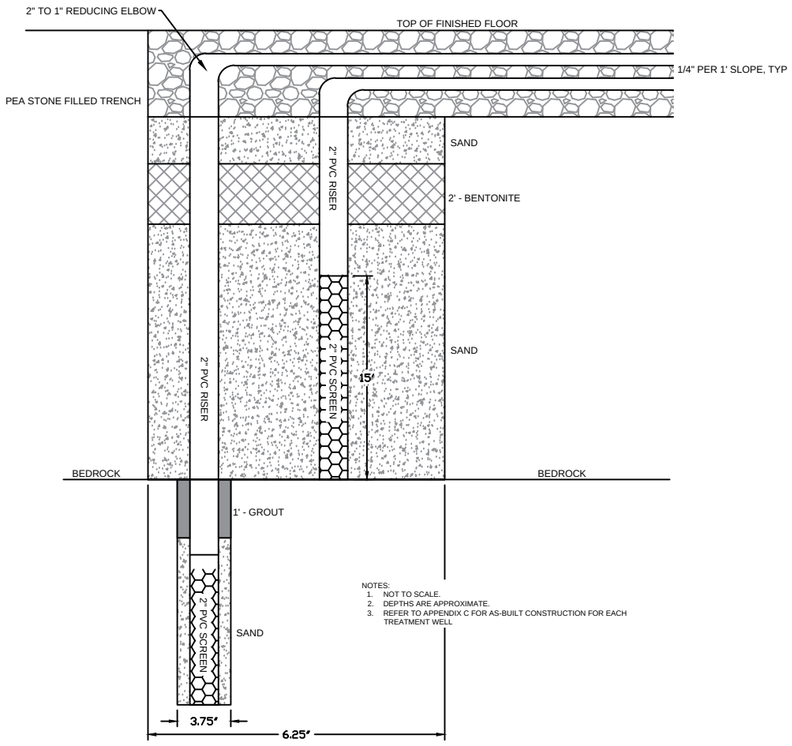
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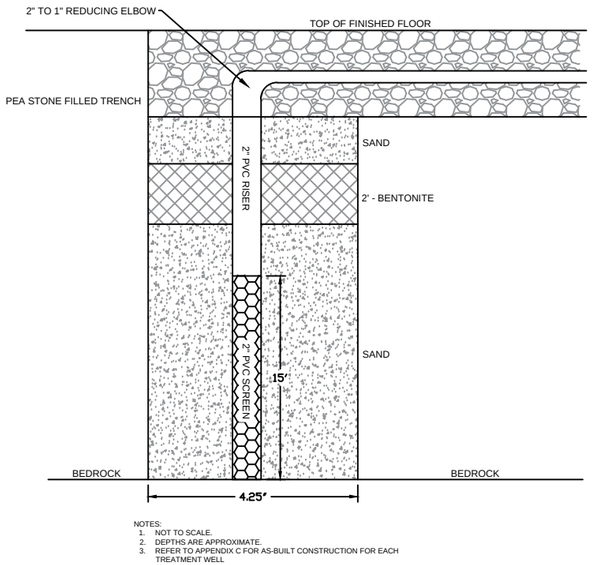
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REVIEWED BY: AA
SCALE: NTS

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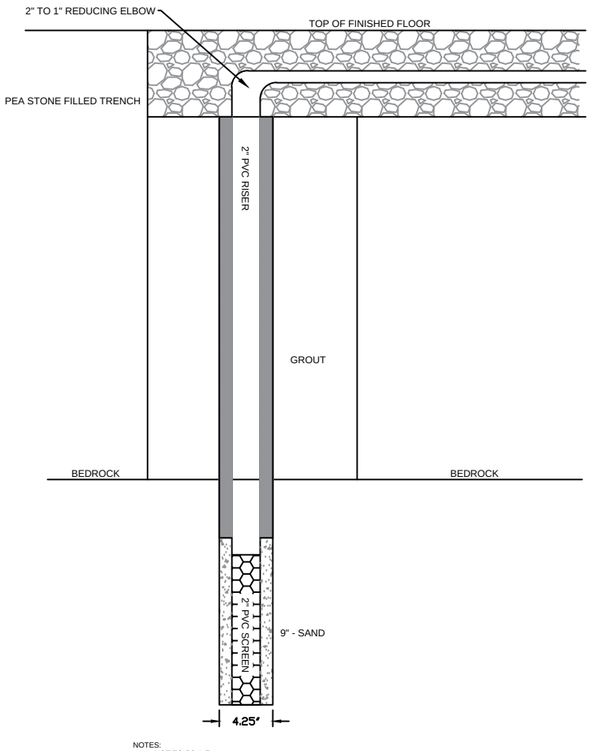
FIG 5B



NESTED PAIR OVERBURDEN AND BEDROCK TREATMENT WELL



OVERBURDEN TREATMENT WELL



BEDROCK TREATMENT WELL

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..	..		
..	..		
..	..		
..	..		
..	..		

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RAOC #1TREATMENT WELL
DETAILS

ISSUED FOR:
FINAL

DATE:
1-3-2020

DESIGNED BY: AA
DRAWN BY: DRP
REVIEWED BY: AA

SCALE: NTS

PROJECT/DRAWING NUMBER
2182207

FIG 5C

TABLES

TABLE 3.3.1A
Static Water Levels and Purge Volumes of Treatment and Monitoring Wells
Former Wollensack Optocal, 872 & 886 Hudson Ave, Rochester NY
Project Number: 2182207

Date	Gallons of Water Lost During Drilling	Total Gallons Purged	2/24/2020	2/25/2020	2/26/2020	2/27/2020	2/28/2020	3/2/2020	3/3/2020	3/4/2020	3/6/2020
Well ID			SWL (feet)	SWL (feet)	SWL (feet)	SWL (feet)	SWL (feet)	SWL (feet)	SWL (feet)	SWL (feet)	SWL (feet)
IW-S-01	0	7	9.22	9.11	9.03	8.94	8.96	9.00	9.03	9.19	8.96
IW-S-02	0	6.25	9.35	9.24	9.2	9.09	9.12	9.15	9.21	9.37	9.15
IW-S-03	0	7	9.61	9.61	9.56	9.49	9.41	9.16	9.55	--	9.46
IW-S-04	0	5	9.38	9.31	9.28	9.19	9.16	9.16	9.22	9.39	9.18
IW-S-05	0	6.75	8.76	8.75	8.78	8.62	8.65	8.62	8.61	8.84	--
IW-S-06	0	8.5	8.98	8.98	9.03	8.90	8.88	8.88	--	--	--
IW-S-07	0	6.5	9	9.04	9.08	8.95	8.95	8.95	8.89	9.15	9.01
IW-S-08	0	10	9.45	9.47	9.49	9.43	9.32	9.34	9.24	9.54	9.41
IW-S-09	0	8.5	9.8	9.79	9.79	9.72	9.65	--	9.60	10.04	9.96
IW-S-10	0	6.5	10.14	10.16	10.16	10.18	9.96	9.90	9.99	10.17	10.12
IW-S-11	0	8	9.75	9.72	9.72	9.76	9.54	9.59	9.62	9.70	9.66
IW-S-12	0	11	9.65	9.64	9.64	9.58	--	9.09	9.48	9.63	9.53
IW-S-13	0	8.5	9.17	9.17	9.17	9.09	8.96	8.99	8.97	9.11	9.07
IW-S-14	0	9	9.09	9.17	9.18	9.11	9.01	9.04	8.96	9.14	9.08
IW-S-15	0	7.2	7.46	9.72	9.23	8.96	9.44	8.79	8.77	8.88	8.82
IW-S-16	0	9	--	8.54	8.9	8.80	8.76	8.75	8.75	8.92	8.78
IW-S-17	0	12	--	--	10.14	10.04	10	10.01	10.04	10.11	10.02
IW-D-03	20	20	--	--	--	--	--	--	--	--	9.24
IW-D-07	40	40	9.41	9.4	9.42	9.22	9.19	9.18	9.25	9.41	9.16
IW-D-08	25	25	9.67	9.62	9.62	9.51	9.47	9.04	9.55	9.60	9.60
IW-D-09	30	32	--	--	--	--	--	--	9.99	10.07	9.78
IW-D-12	20	20	9.7	9.7	9.68	9.59	9.58	9.11	9.71	10.09	9.55
IW-D-13	30	30	9.83	9.81	9.76	9.60	9.28	9.27	9.39	9.55	9.43
IW-D-14	20	20	9.54	9.54	9.5	9.35	9.24	9.15	9.30	9.44	9.28
IW-D-15	25	28.5	9.26	9.67	9.52	9.12	9.00	9.02	8.99	9.11	9.02
IW-D-16	25	28.5	--	8.54	10.25	9.14	9.04	9.05	9.04	9.14	9.07
RIMW-16R	26	26	--	--	--	--	--	--	--	--	9.42
RIMW-19S	0	6.5	--	--	--	--	--	--	--	9.14	9.89
RIMW-19D	25	25	--	--	--	--	--	--	--	9.34	9.46

SWL - Static Water Level

TABLE 3.3.1B
Injection Log
Former Wollensack Optocal, 872 & 886 Hudson Ave, Rochester NY
Project Number: 2182207

Well ID	Date(s) Injected	Concentration of Permanganate	Gallons Injected
IW-S-01	3/18/2020	10% and 20%	Pumped 75 gal of 10% ; Gravity Fed 28gal of 20%
IW-S-02	3/18/2020	10% and 20%	Pumped 15 gal of 10% ; Gravity Fed 58 gal of 20%
IW-S-03	3/16/2020	10%	145
IW-S-04	3/17/2020	10%	145
IW-S-05	3/20/2020	20%	30
IW-S-06	3/19/2020 and 3/20/2020	20%	40
IW-S-07	3/16/2020	10%	145
IW-S-08	3/13/2020	10%	145
IW-S-09	3/10/2020	10%	145
IW-S-10	3/10/2020	10%	145
IW-S-11	3/9/2020	10%	145
IW-S-12	3/10/2020	10%	145
IW-S-13	3/11/2020 and 3/19/2020	10% and 20%	Pumped 75 gal of 10% ; Gravity Fed 28 gal of 20%
IW-S-14	3/13/2020	10%	145
IW-S-15	3/13/2020	10%	145
IW-S-16	3/13/2020	10%	145
IW-S-17	3/13/2020 and 3/19/2020	10% and 20%	Pumped 25 gal of 10%; gravity fed 40 gal of 20%

REFERENCE PAGE

Former Wollensack Optical - C828209
872 & 886 Hudson Avenue, Rochester, New York
LaBella Project #2182207

All values displayed in milligrams per liter (ug/l) or parts per billion (ppb)

U indicates compound not detected above the indicated laboratory Method Detection Limit (MDL)

ND indicates not detected above laboratory MDL

Yellow highlight indicates that the compound was detected at a concentration above NYCRR Part 703 Groundwater Quality Standard

J indicates an estimated value

VOCs analyzed by USEPA Method 8260

D denotes diluted sample

NL denotes Not Listed

-- Not Applicable or not reported

Q denoted laboratory qualifier

Conc denotes concentration

TABLE 3.4

Well ID: BW-01

Post Injection Groundwater Monitoring
Former Wollensack Optical - C828209
872 & 886 Hudson Avenue, Rochester, New York
LaBella Project #2182207

SAMPLE ID:	CAS #	Units	NYCRR Part 703 Groundwater Quality Standards	BW-01		BW-01			BW-01			QA/QC		
LAB ID:				--		L2020006-01			L2027694-04			L2027694-12		
COLLECTION DATE:				8/14/2018		5/12/2020			6/30/2020			6/30/2020		
SCREEN DEPTH:				24.5'-33.5'		24.5'-33.5'			24.5'-33.5'			24.5'-33.5'		
SAMPLE MATRIX:				WATER		WATER			WATER			WATER		
						Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
1,1,1-Trichloroethane	71-55-6	ug/l	5	1	U	28	U	28	35	U	35	35	U	35
1,1,2,2-Tetrachloroethane	79-34-5	ug/l	5	1	U	6.7	U	6.7	8.4	U	8.4	8.4	U	8.4
1,1,2-Trichloroethane	79-00-5	ug/l	1	1	U	20	U	20	25	U	25	25	U	25
1,1-Dichloroethane	75-34-3	ug/l	5	1	U	28	U	28	35	U	35	35	U	35
1,1-Dichloroethene	75-35-4	ug/l	5	1	U	6.8	U	6.8	8.4	U	8.4	8.4	U	8.4
1,2,3-Trichlorobenzene	87-61-6	ug/l	5	1	U	28	UJ	28	35	U	35	35	U	35
1,2,4-Trichlorobenzene	120-82-1	ug/l	5	1	U	28	U	28	35	U	35	35	U	35
1,2-Dibromo-3-chloropropane	96-12-8	ug/l	0.04	5	U	28	U	28	35	U	35	35	UJ	35
1,2-Dibromoethane	106-93-4	ug/l	0.0006	1	U	26	U	26	32	U	32	32	U	32
1,2-Dichlorobenzene	95-50-1	ug/l	3	1	U	28	U	28	35	U	35	35	U	35
1,2-Dichloroethane	107-06-2	ug/l	0.6	1	U	5.3	U	5.3	6.6	U	6.6	6.6	U	6.6
1,2-Dichloropropane	78-87-5	ug/l	1	--		5.5	U	5.5	6.8	U	6.8	6.8	U	6.8
1,3-Dichlorobenzene	541-73-1	ug/l	3	1	U	28	U	28	35	U	35	35	U	35
1,4-Dichlorobenzene	106-46-7	ug/l	3	1	U	28	U	28	35	U	35	35	U	35
1,4-Dioxane	123-91-1	ug/l	NL	--		2400	UJ	2400	3000	UJ	3000	3000	UJ	3000
2-Butanone	78-93-3	ug/l	50	10	U	78	U	78	97	U	97	97	U	97
2-Hexanone	591-78-6	ug/l	50	10	U	40	U	40	50	UJ	50	50	UJ	50
4-Methyl-2-pentanone	108-10-1	ug/l	NL	10	U	40	U	40	50	U	50	50	U	50
Acetone	67-64-1	ug/l	50	7	J	58	U	58	73	U	73	73	U	73
Benzene	71-43-2	ug/l	1	0.63		6.4	U	6.4	8	U	8	8	U	8
Bromochloromethane	74-97-5	ug/l	5	1	U	28	U	28	35	U	35	35	U	35
Bromodichloromethane	75-27-4	ug/l	50	1	U	7.7	U	7.7	9.6	U	9.6	9.6	U	9.6
Bromoform	75-25-2	ug/l	50	1	U	26	U	26	32	U	32	32	U	32
Bromomethane	74-83-9	ug/l	5	1	U	28	UJ	28	35	UJ	35	35	UJ	35
Carbon disulfide	75-15-0	ug/l	60	1	U	40	U	40	50	U	50	50	U	50
Carbon tetrachloride	56-23-5	ug/l	5	1	U	5.4	U	5.4	6.7	U	6.7	6.7	U	6.7
Chlorobenzene	108-90-7	ug/l	5	1	U	28	U	28	35	U	35	35	U	35
Chloroethane	75-00-3	ug/l	5	5	U	28	UJ	28	35	U	35	35	U	35
Chloroform	67-66-3	ug/l	7	5	U	28	U	28	35	U	35	35	UJ	35
Chloromethane	74-87-3	ug/l	NL	2.5	U	28	U	28	35	U	35	35	U	35
cis-1,2-Dichloroethene	156-59-2	ug/l	5	**10**		**180**		28	**220**		35	**230**		35
cis-1,3-Dichloropropene	10061-01-5	ug/l	0.4	--		5.8	U	5.8	7.2	U	7.2	7.2	U	7.2
Cyclohexane	110-82-7	ug/l	NL	0.6	J	11	U	11	14	U	14	14	U	14
Dibromochloromethane	124-48-1	ug/l	50	--		6	U	6	7.4	U	7.4	7.4	U	7.4
Dichlorodifluoromethane	75-71-8	ug/l	5	5	U	40	U	40	50	U	50	50	U	50
Ethylbenzene	100-41-4	ug/l	5	1	U	28	U	28	35	U	35	35	U	35
Freon-113	76-13-1	ug/l	5	--		28	U	28	35	U	35	35	U	35
Isopropylbenzene	98-82-8	ug/l	5	1	U	28	U	28	35	U	35	35	U	35
Methyl Acetate	79-20-9	ug/l	NL	20	U	9.4	U	9.4	12	U	12	12	U	12
Methyl cyclohexane	108-87-2	ug/l	NL	1	U	16	U	16	20	U	20	20	U	20
Methyl tert butyl ether	1634-04-4	ug/l	10	2.81		28	U	28	35	U	35	35	U	35
Methylene chloride	75-09-2	ug/l	5	5	U	28	U	28	35	U	35	35	U	35
o-Xylene	95-47-6	ug/l	5	1	U	28	U	28	35	U	35	35	U	35
p/m-Xylene	179601-23-1	ug/l	5	2	U	28	U	28	35	U	35	35	U	35
Styrene	100-42-5	ug/l	5	5	U	28	U	28	35	U	35	35	U	35
Tetrachloroethene	127-18-4	ug/l	5	3.0		**13**	**J**	7.2	**14**	**J**	9	**15**	**J**	9
Toluene	108-88-3	ug/l	5	1	U	28	U	28	35	U	35	35	U	35
trans-1,2-Dichloroethene	156-60-5	ug/l	5	1.8	J	28	U	28	35	U	35	35	U	35
trans-1,3-Dichloropropene	10061-02-6	ug/l	0.4	1	U	6.6	U	6.6	8.2	U	8.2	8.2	U	8.2
Trichloroethene	79-01-6	ug/l	5	**130**		**4500**	**J**	7	**5400**	**J**	8.8	**6000**		8.8
Trichlorofluoromethane	75-69-4	ug/l	5	5	U	28	U	28	35	U	35	35	U	35
Vinyl chloride	75-01-4	ug/l	2	1	U	2.8	U	2.8	3.6	U	3.6	3.6	U	3.6
Total VOCs	--	ug/l	NL	155.84	J	4693	-	-	5634	-	-	6245	-	-
Total TICs	--	ug/l	NL	--		230	J		0			0		
Total TICs and VOCs		ug/l	NL	--		4923	J		5634			6245		0

TABLE 3.4

Well ID: BW-03

Post Injection Groundwater Monitoring
Former Wollensack Optical - C828209
872 & 886 Hudson Avenue, Rochester, New York
LaBella Project #2182207

SAMPLE ID:	CAS #	Units	NYCRR Part 703 Groundwater Quality Standards	BW-03		BW-03			BW-03 (6-29-2020)		
LAB ID:				--		L2020006-09			L2027694-03		
COLLECTION DATE:				8/14/2018		5/13/2020			6/29/2020		
SCREEN OR ROCK SAMPLE DEPTH:				24.2'-29.4'		24.2'-29.4'			24.2'-29.4'		
SAMPLE MATRIX:				WATER		WATER			WATER		
						Conc	Q	MDL	Conc	Q	MDL
1,1,1-Trichloroethane	71-55-6	ug/l	5	1	U	14	U	14	18	U	18
1,1,2,2-Tetrachloroethane	79-34-5	ug/l	5	1	U	3.3	U	3.3	4.2	U	4.2
1,1,2-Trichloroethane	79-00-5	ug/l	1	1	U	10	U	10	12	U	12
1,1-Dichloroethane	75-34-3	ug/l	5	1	U	14	U	14	18	U	18
1,1-Dichloroethene	75-35-4	ug/l	5	**20**	J	**14**		3.4	**10**	J	4.2
1,2,3-Trichlorobenzene	87-61-6	ug/l	5	1	U	14	UJ	14	18	U	18
1,2,4-Trichlorobenzene	120-82-1	ug/l	5	1	U	14	U	14	18	U	18
1,2-Dibromo-3-chloropropane	96-12-8	ug/l	0.04	5	U	14	U	14	18	U	18
1,2-Dibromoethane	106-93-4	ug/l	0.0006	1	U	13	U	13	16	U	16
1,2-Dichlorobenzene	95-50-1	ug/l	3	1	U	14	U	14	18	U	18
1,2-Dichloroethane	107-06-2	ug/l	0.6	1	U	2.6	U	2.6	3.3	U	3.3
1,2-Dichloropropane	78-87-5	ug/l	1	--		2.7	U	2.7	3.4	U	3.4
1,3-Dichlorobenzene	541-73-1	ug/l	3	1	U	14	U	14	18	U	18
1,4-Dichlorobenzene	106-46-7	ug/l	3	1	U	14	U	14	18	U	18
1,4-Dioxane	123-91-1	ug/l	NL	--		1200	UJ	1200	1500	UJ	1500
2-Butanone	78-93-3	ug/l	50	10	U	39	U	39	48	U	48
2-Hexanone	591-78-6	ug/l	50	10	U	20	U	20	25	UJ	25
4-Methyl-2-pentanone	108-10-1	ug/l	NL	10	U	20	U	20	25	U	25
Acetone	67-64-1	ug/l	50	50	U	29	U	29	36	U	36
Benzene	71-43-2	ug/l	1	1	U	3.2	U	3.2	4	U	4
Bromochloromethane	74-97-5	ug/l	5	1	U	14	U	14	18	U	18
Bromodichloromethane	75-27-4	ug/l	50	1	U	3.8	U	3.8	4.8	U	4.8
Bromoform	75-25-2	ug/l	50	1	U	13	U	13	16	U	16
Bromomethane	74-83-9	ug/l	5	1	U	14	UJ	14	18	UJ	18
Carbon disulfide	75-15-0	ug/l	60	1	U	20	U	20	25	U	25
Carbon tetrachloride	56-23-5	ug/l	5	1	U	2.7	U	2.7	3.4	U	3.4
Chlorobenzene	108-90-7	ug/l	5	1	U	14	U	14	18	U	18
Chloroethane	75-00-3	ug/l	5	5	U	14	UJ	14	18	U	18
Chloroform	67-66-3	ug/l	7	5	U	14	U	14	18	U	18
Chloromethane	74-87-3	ug/l	NL	2.5	U	14	U	14	18	U	18
cis-1,2-Dichloroethene	156-59-2	ug/l	5	**1000**		**3300**		14	**2800**		18
cis-1,3-Dichloropropene	10061-01-5	ug/l	0.4	--		2.9	U	2.9	3.6	U	3.6
Cyclohexane	110-82-7	ug/l	NL	1	U	5.4	U	5.4	6.8	U	6.8
Dibromochloromethane	124-48-1	ug/l	50	--		3	U	3	3.7	U	3.7
Dichlorodifluoromethane	75-71-8	ug/l	5	5	U	20	U	20	25	U	25
Ethylbenzene	100-41-4	ug/l	5	1	U	14	U	14	18	U	18
Freon-113	76-13-1	ug/l	5	--		14	U	14	18	U	18
Isopropylbenzene	98-82-8	ug/l	5	1	U	14	U	14	18	U	18
Methyl Acetate	79-20-9	ug/l	NL	20	U	4.7	U	4.7	5.8	U	5.8
Methyl cyclohexane	108-87-2	ug/l	NL	1	U	7.9	U	7.9	9.9	U	9.9
Methyl tert butyl ether	1634-04-4	ug/l	10	1	U	14	U	14	18	U	18
Methylene chloride	75-09-2	ug/l	5	5	U	14	U	14	18	U	18
o-Xylene	95-47-6	ug/l	5	1	U	14	U	14	18	U	18
p/m-Xylene	179601-23-1	ug/l	5	2	U	14	U	14	18	U	18
Styrene	100-42-5	ug/l	5	5	U	14	U	14	18	U	18
Tetrachloroethene	127-18-4	ug/l	5	1	U	3.6	U	3.6	4.5	U	4.5
Toluene	108-88-3	ug/l	5	1	U	14	U	14	18	U	18
trans-1,2-Dichloroethene	156-60-5	ug/l	5	1	U	14	U	14	18	U	18
trans-1,3-Dichloropropene	10061-02-6	ug/l	0.4	1	U	3.3	U	3.3	4.1	U	4.1
Trichloroethene	79-01-6	ug/l	5	**7200**		**120**	J	3.5	**13**	J	4.4
Trichlorofluoromethane	75-69-4	ug/l	5	5	U	14	U	14	18	U	18
Vinyl chloride	75-01-4	ug/l	2	1	U	**24**		1.4	**32**		1.8
Total VOCs	--	ug/l	NL	8220	J	3458	-	-	2855	-	-
Total TICs	--	ug/l	NL	--		0			0		
Total TICs and VOCs	--	ug/l	NL	--		3458			2855		

TABLE 3.4

Well ID: RIMW-02

Post Injection Groundwater Monitoring
Former Wollensack Optical - C828209
872 & 886 Hudson Avenue, Rochester, New York
LaBella Project #2182207

SAMPLE ID:	CAS #	Units	NYCRR Part 703 Groundwater Quality Standards	R1MW-02		R1MW-02			R1MW-02		
LAB ID:				--		L2020006-08			L2027694-07		
COLLECTION DATE:				7/25/2019		5/13/2020			6/30/2020		
SCREEN DEPTH:				1'-6'		1'-6'			1'-6'		
SAMPLE MATRIX:				WATER		WATER			WATER		
				Conc	Q	Conc	Q	MDL	Conc	Q	MDL
1,1,1-Trichloroethane	71-55-6	ug/l	5	0.7	U	1.4	U	1.4	1.4	U	1.4
1,1,2,2-Tetrachloroethane	79-34-5	ug/l	5	0.17	U	0.33	U	0.33	0.33	U	0.33
1,1,2-Trichloroethane	79-00-5	ug/l	1	0.5	U	1	U	1	1	U	1
1,1-Dichloroethane	75-34-3	ug/l	5	0.7	U	1.4	U	1.4	1.4	U	1.4
1,1-Dichloroethene	75-35-4	ug/l	5	0.17	U	0.34	U	0.34	0.34	U	0.34
1,2,3-Trichlorobenzene	87-61-6	ug/l	5	0.7	U	1.4	U	1.4	1.4	U	1.4
1,2,4-Trichlorobenzene	120-82-1	ug/l	5	0.7	U	1.4	U	1.4	1.4	U	1.4
1,2-Dibromo-3-chloropropane	96-12-8	ug/l	0.04	0.7	U	1.4	UJ	1.4	1.4	U	1.4
1,2-Dibromoethane	106-93-4	ug/l	0.0006	0.65	U	1.3	U	1.3	1.3	U	1.3
1,2-Dichlorobenzene	95-50-1	ug/l	3	0.7	U	1.4	U	1.4	1.4	U	1.4
1,2-Dichloroethane	107-06-2	ug/l	0.6	0.13	U	0.26	U	0.26	0.26	U	0.26
1,2-Dichloropropane	78-87-5	ug/l	1	0.14	U	0.27	U	0.27	0.27	U	0.27
1,3-Dichlorobenzene	541-73-1	ug/l	3	0.7	U	1.4	U	1.4	1.4	U	1.4
1,4-Dichlorobenzene	106-46-7	ug/l	3	0.7	U	1.4	U	1.4	1.4	U	1.4
1,4-Dioxane	123-91-1	ug/l	NL	--		120	UJ	120	120	UJ	120
2-Butanone	78-93-3	ug/l	50	1.9	U	4.3	J	3.9	3.9	U	3.9
2-Hexanone	591-78-6	ug/l	50	1	U	2	U	2	2	UJ	2
4-Methyl-2-pentanone	108-10-1	ug/l	NL	1	U	2	U	2	2	U	2
Acetone	67-64-1	ug/l	50	**7.9**	J	9.4	J	2.9	5.2	J	2.9
Benzene	71-43-2	ug/l	1	0.16	U	0.32	U	0.32	0.32	U	0.32
Bromochloromethane	74-97-5	ug/l	5	--		1.4	U	1.4	1.4	U	1.4
Bromodichloromethane	75-27-4	ug/l	50	0.7	U	0.38	U	0.38	0.38	U	0.38
Bromoform	75-25-2	ug/l	50	0.65	U	1.3	U	1.3	1.3	U	1.3
Bromomethane	74-83-9	ug/l	5	0.7	U	1.4	UJ	1.4	1.4	UJ	1.4
Carbon disulfide	75-15-0	ug/l	60	1	U	2	U	2	2	U	2
Carbon tetrachloride	56-23-5	ug/l	5	0.13	U	0.27	U	0.27	0.27	U	0.27
Chlorobenzene	108-90-7	ug/l	5	0.7	U	1.4	U	1.4	1.4	U	1.4
Chloroethane	75-00-3	ug/l	5	0.7	U	1.4	U	1.4	1.4	U	1.4
Chloroform	67-66-3	ug/l	7	**8**		1.7	J	1.4	1.4	U	1.4
Chloromethane	74-87-3	ug/l	NL	0.7	U	1.4	U	1.4	1.4	U	1.4
cis-1,2-Dichloroethene	156-59-2	ug/l	5	**14**		1.9	J	1.4	4.8	J	1.4
cis-1,3-Dichloropropene	10061-01-5	ug/l	0.4	0.14	U	0.29	U	0.29	0.29	U	0.29
Cyclohexane	110-82-7	ug/l	NL	0.27	U	0.54	U	0.54	0.54	U	0.54
Dibromochloromethane	124-48-1	ug/l	50	0.15	U	0.3	U	0.3	0.3	U	0.3
Dichlorodifluoromethane	75-71-8	ug/l	5	1	U	2	U	2	2	U	2
Ethylbenzene	100-41-4	ug/l	5	0.7	U	1.4	U	1.4	1.4	U	1.4
Freon-113	76-13-1	ug/l	5	0.7	U	1.4	U	1.4	1.4	U	1.4
Isopropylbenzene	98-82-8	ug/l	5	0.7	U	1.4	U	1.4	1.4	U	1.4
Methyl Acetate	79-20-9	ug/l	NL	0.23	U	0.47	U	0.47	0.47	U	0.47
Methyl cyclohexane	108-87-2	ug/l	NL	0.4	U	0.79	U	0.79	0.81	J	0.79
Methyl tert butyl ether	1634-04-4	ug/l	10	0.7	U	1.4	U	1.4	1.4	U	1.4
Methylene chloride	75-09-2	ug/l	5	0.7	U	1.4	U	1.4	1.4	U	1.4
o-Xylene	95-47-6	ug/l	5	0.7	U	1.4	U	1.4	1.4	U	1.4
p/m-Xylene	179601-23-1	ug/l	5	0.7	U	1.4	U	1.4	1.4	U	1.4
Styrene	100-42-5	ug/l	5	0.7	U	1.4	U	1.4	1.4	U	1.4
Tetrachloroethene	127-18-4	ug/l	5	**31**		**9.3**		0.36	**23**		0.36
Toluene	108-88-3	ug/l	5	0.7	U	1.4	U	1.4	1.4	U	1.4
trans-1,2-Dichloroethene	156-60-5	ug/l	5	0.7	U	1.4	U	1.4	1.4	U	1.4
trans-1,3-Dichloropropene	10061-02-6	ug/l	0.4	0.16	U	0.33	U	0.33	0.33	U	0.33
Trichloroethene	79-01-6	ug/l	5	**200**		**53**	**J**	0.35	**98**	**J**	0.35
Trichlorofluoromethane	75-69-4	ug/l	5	0.7	U	1.4	U	1.4	1.4	U	1.4
Vinyl chloride	75-01-4	ug/l	2	0.44	J	0.18	J	0.14	0.84	J	0.14
Total VOCs	--	ug/l	NL	261.34	J	79.78	-	-	132.65	-	-
Total TICs	--	ug/l	NL	ND		106	J		93.7	J	
Total TICs and VOCs	--	ug/l	NL	261.34	J	185.78	J		226.35	J	

TABLE 3.4

Well ID: RIMW-04

Post Injection Groundwater Monitoring
Former Wollensack Optical - C828209
872 & 886 Hudson Avenue, Rochester, New York
LaBella Project #2182207

SAMPLE ID:	CAS #	Units	NYCRR Part 703 Groundwater Quality Standards	R1MW-04		R1MW-04			R1MW-04		
LAB ID:				--		L2020006-06			L2027694-06		
COLLECTION DATE:				7/25/2019		5/13/2020			6/30/2020		
SCREEN DEPTH:				2'-7'		2'-7'			2'-7'		
SAMPLE MATRIX:				WATER		WATER			WATER		
				Conc	Q	Conc	Q	MDL	Conc	Q	MDL
1,1,1-Trichloroethane	71-55-6	ug/l	5	0.7	U	1.4	U	1.4	1.8	U	1.8
1,1,2,2-Tetrachloroethane	79-34-5	ug/l	5	0.17	U	0.33	U	0.33	0.42	U	0.42
1,1,2-Trichloroethane	79-00-5	ug/l	1	0.5	U	1	U	1	1.2	U	1.2
1,1-Dichloroethane	75-34-3	ug/l	5	0.7	U	1.4	U	1.4	1.8	U	1.8
1,1-Dichloroethene	75-35-4	ug/l	5	**0.18**	J	0.34	U	0.34	0.42	U	0.42
1,2,3-Trichlorobenzene	87-61-6	ug/l	5	0.7	U	1.4	UJ	1.4	1.8	U	1.8
1,2,4-Trichlorobenzene	120-82-1	ug/l	5	0.7	U	1.4	U	1.4	1.8	U	1.8
1,2-Dibromo-3-chloropropane	96-12-8	ug/l	0.04	0.7	U	1.4	U	1.4	1.8	U	1.8
1,2-Dibromoethane	106-93-4	ug/l	0.0006	0.65	U	1.3	U	1.3	1.6	U	1.6
1,2-Dichlorobenzene	95-50-1	ug/l	3	0.7	U	1.4	U	1.4	1.8	U	1.8
1,2-Dichloroethane	107-06-2	ug/l	0.6	0.13	U	0.26	U	0.26	0.33	U	0.33
1,2-Dichloropropane	78-87-5	ug/l	1	0.14	U	0.27	U	0.27	0.34	U	0.34
1,3-Dichlorobenzene	541-73-1	ug/l	3	0.7	U	1.4	U	1.4	1.8	U	1.8
1,4-Dichlorobenzene	106-46-7	ug/l	3	0.7	U	1.4	U	1.4	1.8	U	1.8
1,4-Dioxane	123-91-1	ug/l	NL	--		120	UJ	120	150	UJ	150
2-Butanone	78-93-3	ug/l	50	1.9	U	9	J	3.9	4.8	U	4.8
2-Hexanone	591-78-6	ug/l	50	1	U	2	U	2	2.5	UJ	2.5
4-Methyl-2-pentanone	108-10-1	ug/l	NL	1	U	2	U	2	2.5	U	2.5
Acetone	67-64-1	ug/l	50	**60**		44	J	2.9	3.6	U	3.6
Benzene	71-43-2	ug/l	1	0.16	J	0.32	U	0.32	0.4	U	0.4
Bromochloromethane	74-97-5	ug/l	5	--		1.4	U	1.4	1.8	U	1.8
Bromodichloromethane	75-27-4	ug/l	50	0.7	U	0.38	U	0.38	0.48	U	0.48
Bromoform	75-25-2	ug/l	50	0.65	U	1.3	U	1.3	1.6	U	1.6
Bromomethane	74-83-9	ug/l	5	0.7	U	1.4	UJ	1.4	1.8	UJ	1.8
Carbon disulfide	75-15-0	ug/l	60	1	U	2	U	2	2.5	U	2.5
Carbon tetrachloride	56-23-5	ug/l	5	0.13	U	0.27	U	0.27	0.34	U	0.34
Chlorobenzene	108-90-7	ug/l	5	0.7	U	1.4	U	1.4	1.8	U	1.8
Chloroethane	75-00-3	ug/l	5	0.7	U	1.4	UJ	1.4	1.8	U	1.8
Chloroform	67-66-3	ug/l	7	**3.2**		2	J	1.4	1.8	U	1.8
Chloromethane	74-87-3	ug/l	NL	**0.77**	J	1.4	U	1.4	1.8	U	1.8
cis-1,2-Dichloroethene	156-59-2	ug/l	5	**7.4**		**41**		1.4	**31**		1.8
cis-1,3-Dichloropropene	10061-01-5	ug/l	0.4	0.14	U	0.29	U	0.29	0.36	U	0.36
Cyclohexane	110-82-7	ug/l	NL	0.28	J	0.54	U	0.54	0.68	U	0.68
Dibromochloromethane	124-48-1	ug/l	50	0.15	U	0.3	U	0.3	0.37	U	0.37
Dichlorodifluoromethane	75-71-8	ug/l	5	1	U	2	U	2	2.5	U	2.5
Ethylbenzene	100-41-4	ug/l	5	0.7	U	1.4	U	1.4	1.8	U	1.8
Freon-113	76-13-1	ug/l	5	0.7	U	1.4	U	1.4	1.8	U	1.8
Isopropylbenzene	98-82-8	ug/l	5	0.7	U	1.4	U	1.4	1.8	U	1.8
Methyl Acetate	79-20-9	ug/l	NL	0.23	U	0.47	U	0.47	0.58	U	0.58
Methyl cyclohexane	108-87-2	ug/l	NL	1.4	J	0.79	U	0.79	0.99	U	0.99
Methyl tert butyl ether	1634-04-4	ug/l	10	0.7	U	1.4	U	1.4	1.8	U	1.8
Methylene chloride	75-09-2	ug/l	5	0.7	U	1.4	U	1.4	1.8	U	1.8
o-Xylene	95-47-6	ug/l	5	0.7	U	1.4	U	1.4	1.8	U	1.8
p/m-Xylene	179601-23-1	ug/l	5	0.7	U	1.4	U	1.4	1.8	U	1.8
Styrene	100-42-5	ug/l	5	0.7	U	1.4	U	1.4	1.8	U	1.8
Tetrachloroethene	127-18-4	ug/l	5	**43**		**180**		0.36	**130**		0.45
Toluene	108-88-3	ug/l	5	0.7	U	1.4	U	1.4	1.8	U	1.8
trans-1,2-Dichloroethene	156-60-5	ug/l	5	1.2	J	**7**		1.4	**5.4**	**J**	1.8
trans-1,3-Dichloropropene	10061-02-6	ug/l	0.4	0.16	U	0.33	U	0.33	0.41	U	0.41
Trichloroethene	79-01-6	ug/l	5	**120**		**290**	**J**	0.35	**220**	**J**	0.44
Trichlorofluoromethane	75-69-4	ug/l	5	0.7	U	1.4	U	1.4	1.8	U	1.8
Vinyl chloride	75-01-4	ug/l	2	0.91	J	**12**		0.14	**11**		0.18
Total VOCs	--	ug/l	NL	237.3	J	585	-	-	397.4	-	-
Total TICs	--	ug/l	NL	ND		25.7	J		60.5	J	
Total TICs and VOCs	--	ug/l	NL	237.3	J	610.7	J		457.9	J	-

TABLE 3.4

Well ID: RIMW-16R

Post Injection Groundwater Monitoring
Former Wollensack Optical - C828209
872 & 886 Hudson Avenue, Rochester, New York
LaBella Project #2182207

SAMPLE ID:	CAS #	Units	NYCRR Part 703 Groundwater Quality Standards	R1MW-16		R1MW-16R			RMW-16R		
LAB ID:				--		L2020006-04			L2027694-09		
COLLECTION DATE:				7/29/2019		5/13/2020			6/30/2020		
SCREEN DEPTH:				8.4'-23.4'		6'-21'			6'-21'		
SAMPLE MATRIX:				WATER		WATER			WATER		
				Conc	Q	Conc	Q	MDL	Conc	Q	MDL
1,1,1-Trichloroethane	71-55-6	ug/l	5	70	U	28	U	28	18	U	18
1,1,2,2-Tetrachloroethane	79-34-5	ug/l	5	17	U	6.7	U	6.7	4.2	U	4.2
1,1,2-Trichloroethane	79-00-5	ug/l	1	50	U	20	U	20	12	U	12
1,1-Dichloroethane	75-34-3	ug/l	5	70	U	28	U	28	18	U	18
1,1-Dichloroethene	75-35-4	ug/l	5	17	U	6.8	U	6.8	4.2	U	4.2
1,2,3-Trichlorobenzene	87-61-6	ug/l	5	70	U	28	UJ	28	18	U	18
1,2,4-Trichlorobenzene	120-82-1	ug/l	5	70	U	28	U	28	18	U	18
1,2-Dibromo-3-chloropropane	96-12-8	ug/l	0.04	70	U	28	U	28	18	U	18
1,2-Dibromoethane	106-93-4	ug/l	0.0006	65	U	26	U	26	16	U	16
1,2-Dichlorobenzene	95-50-1	ug/l	3	70	U	28	U	28	18	U	18
1,2-Dichloroethane	107-06-2	ug/l	0.6	13	U	5.3	U	5.3	3.3	U	3.3
1,2-Dichloropropane	78-87-5	ug/l	1	14	U	5.5	U	5.5	3.4	U	3.4
1,3-Dichlorobenzene	541-73-1	ug/l	3	70	U	28	U	28	18	U	18
1,4-Dichlorobenzene	106-46-7	ug/l	3	70	U	28	U	28	18	U	18
1,4-Dioxane	123-91-1	ug/l	NL	--		2400	UJ	2400	1500	UJ	1500
2-Butanone	78-93-3	ug/l	50	190	U	78	U	78	48	U	48
2-Hexanone	591-78-6	ug/l	50	100	U	40	U	40	25	U	25
4-Methyl-2-pentanone	108-10-1	ug/l	NL	100	U	40	U	40	25	U	25
Acetone	67-64-1	ug/l	50	150	U	58	U	58	36	U	36
Benzene	71-43-2	ug/l	1	16	U	6.4	U	6.4	4	U	4
Bromochloromethane	74-97-5	ug/l	5	--		28	U	28	18	U	18
Bromodichloromethane	75-27-4	ug/l	50	19	U	7.7	U	7.7	4.8	U	4.8
Bromoform	75-25-2	ug/l	50	65	U	26	U	26	16	U	16
Bromomethane	74-83-9	ug/l	5	70	UJ	28	UJ	28	18	UJ	18
Carbon disulfide	75-15-0	ug/l	60	100	U	40	U	40	25	U	25
Carbon tetrachloride	56-23-5	ug/l	5	13	U	5.4	U	5.4	3.4	U	3.4
Chlorobenzene	108-90-7	ug/l	5	70	U	28	U	28	18	U	18
Chloroethane	75-00-3	ug/l	5	70	UJ	28	UJ	28	18	U	18
Chloroform	67-66-3	ug/l	7	70	U	28	U	28	18	U	18
Chloromethane	74-87-3	ug/l	NL	70	U	28	U	28	18	U	18
cis-1,2-Dichloroethene	156-59-2	ug/l	5	70	U	28	U	28	18	U	18
cis-1,3-Dichloropropene	10061-01-5	ug/l	0.4	14	U	5.8	U	5.8	3.6	U	3.6
Cyclohexane	110-82-7	ug/l	NL	27	U	11	U	11	6.8	U	6.8
Dibromochloromethane	124-48-1	ug/l	50	15	U	6	U	6	3.7	U	3.7
Dichlorodifluoromethane	75-71-8	ug/l	5	100	U	40	U	40	25	UJ	25
Ethylbenzene	100-41-4	ug/l	5	70	U	28	U	28	18	U	18
Freon-113	76-13-1	ug/l	5	70	U	28	U	28	18	U	18
Isopropylbenzene	98-82-8	ug/l	5	70	U	28	U	28	18	U	18
Methyl Acetate	79-20-9	ug/l	NL	23	U	9.4	U	9.4	5.8	U	5.8
Methyl cyclohexane	108-87-2	ug/l	NL	40	U	16	U	16	9.9	U	9.9
Methyl tert butyl ether	1634-04-4	ug/l	10	70	U	28	U	28	18	U	18
Methylene chloride	75-09-2	ug/l	5	70	U	28	U	28	18	U	18
o-Xylene	95-47-6	ug/l	5	70	U	28	U	28	18	U	18
p/m-Xylene	179601-23-1	ug/l	5	70	U	28	U	28	18	U	18
Styrene	100-42-5	ug/l	5	70	U	28	U	28	18	U	18
Tetrachloroethene	127-18-4	ug/l	5	**66**		**50**		7.2	**60**		4.5
Toluene	108-88-3	ug/l	5	70	U	28	U	28	18	U	18
trans-1,2-Dichloroethene	156-60-5	ug/l	5	70	U	28	U	28	18	U	18
trans-1,3-Dichloropropene	10061-02-6	ug/l	0.4	16	U	6.6	U	6.6	4.1	U	4.1
Trichloroethene	79-01-6	ug/l	5	**13000**	J	**5800**	**J**	7	**4400**	**J**	4.4
Trichlorofluoromethane	75-69-4	ug/l	5	70	U	28	U	28	18	U	18
Vinyl chloride	75-01-4	ug/l	2	7.1	U	2.8	U	2.8	1.8	U	1.8
Total VOCs	--	ug/l	NL	13,066		5850	-	-	4460	-	-
Total TICs	--	ug/l	NL	ND		0			0		
Total TICs and VOCs	--	ug/l	NL	13,066		5850			4460		

TABLE 3.4

Well ID: RIMW-19S

Post Injection Groundwater Monitoring
Former Wollensack Optical - C828209
872 & 886 Hudson Avenue, Rochester, New York
LaBella Project #2182207

SAMPLE ID:	CAS #	Units	NYCRR Part 703 Groundwater Quality Standards	R1MW-19S		
LAB ID:				L2027694-10		
COLLECTION DATE:				6/30/2020		
SCREEN DEPTH:				5.7'-20.7'		
SAMPLE MATRIX:				WATER		
				Conc	Q	MDL
1,1,1-Trichloroethane	71-55-6	ug/l	5	0.7	U	0.7
1,1,2,2-Tetrachloroethane	79-34-5	ug/l	5	0.17	U	0.17
1,1,2-Trichloroethane	79-00-5	ug/l	1	0.5	U	0.5
1,1-Dichloroethane	75-34-3	ug/l	5	0.7	U	0.7
1,1-Dichloroethene	75-35-4	ug/l	5	0.17	U	0.17
1,2,3-Trichlorobenzene	87-61-6	ug/l	5	0.7	U	0.7
1,2,4-Trichlorobenzene	120-82-1	ug/l	5	0.7	U	0.7
1,2-Dibromo-3-chloropropane	96-12-8	ug/l	0.04	0.7	UJ	0.7
1,2-Dibromoethane	106-93-4	ug/l	0.0006	0.65	U	0.65
1,2-Dichlorobenzene	95-50-1	ug/l	3	0.7	U	0.7
1,2-Dichloroethane	107-06-2	ug/l	0.6	0.13	U	0.13
1,2-Dichloropropane	78-87-5	ug/l	1	0.14	U	0.14
1,3-Dichlorobenzene	541-73-1	ug/l	3	0.7	U	0.7
1,4-Dichlorobenzene	106-46-7	ug/l	3	0.7	U	0.7
1,4-Dioxane	123-91-1	ug/l	NL	61	UJ	61
2-Butanone	78-93-3	ug/l	50	4.5	J	1.9
2-Hexanone	591-78-6	ug/l	50	1	UJ	1
4-Methyl-2-pentanone	108-10-1	ug/l	NL	1	U	1
Acetone	67-64-1	ug/l	50	**78**	**J**	1.5
Benzene	71-43-2	ug/l	1	0.16	U	0.16
Bromochloromethane	74-97-5	ug/l	5	0.7	U	0.7
Bromodichloromethane	75-27-4	ug/l	50	0.19	U	0.19
Bromoform	75-25-2	ug/l	50	0.65	U	0.65
Bromomethane	74-83-9	ug/l	5	0.7	UJ	0.7
Carbon disulfide	75-15-0	ug/l	60	1	U	1
Carbon tetrachloride	56-23-5	ug/l	5	0.13	U	0.13
Chlorobenzene	108-90-7	ug/l	5	0.7	U	0.7
Chloroethane	75-00-3	ug/l	5	0.7	U	0.7
Chloroform	67-66-3	ug/l	7	0.79	J	0.7
Chloromethane	74-87-3	ug/l	NL	0.7	U	0.7
cis-1,2-Dichloroethene	156-59-2	ug/l	5	0.7	U	0.7
cis-1,3-Dichloropropene	10061-01-5	ug/l	0.4	0.14	U	0.14
Cyclohexane	110-82-7	ug/l	NL	0.27	U	0.27
Dibromochloromethane	124-48-1	ug/l	50	0.15	U	0.15
Dichlorodifluoromethane	75-71-8	ug/l	5	1	U	1
Ethylbenzene	100-41-4	ug/l	5	0.7	U	0.7
Freon-113	76-13-1	ug/l	5	0.7	U	0.7
Isopropylbenzene	98-82-8	ug/l	5	0.7	U	0.7
Methyl Acetate	79-20-9	ug/l	NL	0.23	U	0.23
Methyl cyclohexane	108-87-2	ug/l	NL	0.4	U	0.4
Methyl tert butyl ether	1634-04-4	ug/l	10	0.7	U	0.7
Methylene chloride	75-09-2	ug/l	5	0.7	U	0.7
o-Xylene	95-47-6	ug/l	5	0.7	U	0.7
p/m-Xylene	179601-23-1	ug/l	5	0.7	U	0.7
Styrene	100-42-5	ug/l	5	0.7	U	0.7
Tetrachloroethene	127-18-4	ug/l	5	0.18	U	0.18
Toluene	108-88-3	ug/l	5	0.7	U	0.7
trans-1,2-Dichloroethene	156-60-5	ug/l	5	0.7	U	0.7
trans-1,3-Dichloropropene	10061-02-6	ug/l	0.4	0.16	U	0.16
Trichloroethene	79-01-6	ug/l	5	0.18	U	0.18
Trichlorofluoromethane	75-69-4	ug/l	5	0.7	U	0.7
Vinyl chloride	75-01-4	ug/l	2	0.07	U	0.07
Total VOCs	--	ug/l	NL	83.29	-	-
Total TICs	--	ug/l	NL	0		
Total TICs and VOCs	--	ug/l	NL	0		

TABLE 3.4

Well ID: RIMW-19D

Post Injection Groundwater Monitoring
Former Wollensack Optical - C828209
872 & 886 Hudson Avenue, Rochester, New York
LaBella Project #2182207

SAMPLE ID:	CAS #	Units	NYCRR Part 703 Groundwater Quality Standards	R1MW-19D		
LAB ID:				L2027694-11		
COLLECTION DATE:				6/30/2020		
SCREEN DEPTH:				22.3'-30.8'		
SAMPLE MATRIX:				WATER		
				Conc	Q	MDL
1,1,1-Trichloroethane	71-55-6	ug/l	5	7	U	7
1,1,2,2-Tetrachloroethane	79-34-5	ug/l	5	1.7	U	1.7
1,1,2-Trichloroethane	79-00-5	ug/l	1	5	U	5
1,1-Dichloroethane	75-34-3	ug/l	5	7	U	7
1,1-Dichloroethene	75-35-4	ug/l	5	1.7	U	1.7
1,2,3-Trichlorobenzene	87-61-6	ug/l	5	7	U	7
1,2,4-Trichlorobenzene	120-82-1	ug/l	5	7	U	7
1,2-Dibromo-3-chloropropane	96-12-8	ug/l	0.04	7	U	7
1,2-Dibromoethane	106-93-4	ug/l	0.0006	6.5	U	6.5
1,2-Dichlorobenzene	95-50-1	ug/l	3	7	U	7
1,2-Dichloroethane	107-06-2	ug/l	0.6	1.3	U	1.3
1,2-Dichloropropane	78-87-5	ug/l	1	1.4	U	1.4
1,3-Dichlorobenzene	541-73-1	ug/l	3	7	U	7
1,4-Dichlorobenzene	106-46-7	ug/l	3	7	U	7
1,4-Dioxane	123-91-1	ug/l	NL	610	UJ	610
2-Butanone	78-93-3	ug/l	50	19	U	19
2-Hexanone	591-78-6	ug/l	50	10	UJ	10
4-Methyl-2-pentanone	108-10-1	ug/l	NL	10	U	10
Acetone	67-64-1	ug/l	50	**94**	**J**	**15**
Benzene	71-43-2	ug/l	1	1.6	U	1.6
Bromochloromethane	74-97-5	ug/l	5	7	U	7
Bromodichloromethane	75-27-4	ug/l	50	1.9	U	1.9
Bromoform	75-25-2	ug/l	50	6.5	U	6.5
Bromomethane	74-83-9	ug/l	5	7	UJ	7
Carbon disulfide	75-15-0	ug/l	60	10	U	10
Carbon tetrachloride	56-23-5	ug/l	5	1.3	U	1.3
Chlorobenzene	108-90-7	ug/l	5	7	U	7
Chloroethane	75-00-3	ug/l	5	7	U	7
Chloroform	67-66-3	ug/l	7	7	U	7
Chloromethane	74-87-3	ug/l	NL	7	U	7
cis-1,2-Dichloroethene	156-59-2	ug/l	5	7	U	7
cis-1,3-Dichloropropene	10061-01-5	ug/l	0.4	1.4	U	1.4
Cyclohexane	110-82-7	ug/l	NL	2.7	U	2.7
Dibromochloromethane	124-48-1	ug/l	50	1.5	U	1.5
Dichlorodifluoromethane	75-71-8	ug/l	5	10	U	10
Ethylbenzene	100-41-4	ug/l	5	7	U	7
Freon-113	76-13-1	ug/l	5	7	U	7
Isopropylbenzene	98-82-8	ug/l	5	7	U	7
Methyl Acetate	79-20-9	ug/l	NL	2.3	U	2.3
Methyl cyclohexane	108-87-2	ug/l	NL	4	U	4
Methyl tert butyl ether	1634-04-4	ug/l	10	7	U	7
Methylene chloride	75-09-2	ug/l	5	7	U	7
o-Xylene	95-47-6	ug/l	5	7	U	7
p/m-Xylene	179601-23-1	ug/l	5	7	U	7
Styrene	100-42-5	ug/l	5	7	U	7
Tetrachloroethene	127-18-4	ug/l	5	1.8	U	1.8
Toluene	108-88-3	ug/l	5	7	U	7
trans-1,2-Dichloroethene	156-60-5	ug/l	5	7	U	7
trans-1,3-Dichloropropene	10061-02-6	ug/l	0.4	1.6	U	1.6
Trichloroethene	79-01-6	ug/l	5	1.8	UJ	1.8
Trichlorofluoromethane	75-69-4	ug/l	5	7	U	7
Vinyl chloride	75-01-4	ug/l	2	0.71	U	0.71
Total VOCs	--	ug/l	NL	94	-	-
Total TICs	--	ug/l	NL	19.1	J	
Total TICs and VOCs	--	ug/l	NL	113.1	J	

TABLE 3.4

Well ID: SB-MW-07

Post Injection Groundwater Monitoring
Former Wollensack Optical - C828209
872 & 886 Hudson Avenue, Rochester, New York
LaBella Project #2182207

SAMPLE ID:	CAS #	Units	NYCRR Part 703 Groundwater Quality Standards	SB-MW-07		SB-MW-07			SB-MW-07 (6-29-2020)		
LAB ID:				--		L2020006-05			L2027694-01		
COLLECTION DATE:				7/2/2019		5/12/2020			6/29/2020		
SCREEN DEPTH:				12.5-17.5		12.5-17.5			12.5-17.5		
SAMPLE MATRIX:				WATER		WATER			WATER		
						Conc	Q	MDL	Conc	Q	MDL
1,1,1-Trichloroethane	71-55-6	ug/l	5	280	U	70	U	70	35	U	35
1,1,2,2-Tetrachloroethane	79-34-5	ug/l	5	67	U	17	U	17	8.4	U	8.4
1,1,2-Trichloroethane	79-00-5	ug/l	1	200	U	50	U	50	25	U	25
1,1-Dichloroethane	75-34-3	ug/l	5	280	U	70	U	70	35	U	35
1,1-Dichloroethene	75-35-4	ug/l	5	68	U	17	U	17	8.4	U	8.4
1,2,3-Trichlorobenzene	87-61-6	ug/l	5	280	U	70	UJ	70	35	U	35
1,2,4-Trichlorobenzene	120-82-1	ug/l	5	280	U	70	U	70	35	U	35
1,2-Dibromo-3-chloropropane	96-12-8	ug/l	0.04	280	U	70	U	70	35	U	35
1,2-Dibromoethane	106-93-4	ug/l	0.0006	260	U	65	U	65	32	U	32
1,2-Dichlorobenzene	95-50-1	ug/l	3	280	U	70	U	70	35	U	35
1,2-Dichloroethane	107-06-2	ug/l	0.6	53	U	13	U	13	6.6	U	6.6
1,2-Dichloropropane	78-87-5	ug/l	1	55	U	14	U	14	6.8	U	6.8
1,3-Dichlorobenzene	541-73-1	ug/l	3	280	U	70	U	70	35	U	35
1,4-Dichlorobenzene	106-46-7	ug/l	3	280	U	70	U	70	35	U	35
1,4-Dioxane	123-91-1	ug/l	NL	--		6100	UJ	6100	3000	UJ	3000
2-Butanone	78-93-3	ug/l	50	780	U	190	U	190	97	U	97
2-Hexanone	591-78-6	ug/l	50	400	U	100	U	100	50	U	50
4-Methyl-2-pentanone	108-10-1	ug/l	NL	400	U	100	U	100	50	U	50
Acetone	67-64-1	ug/l	50	580	U	150	U	150	73	U	73
Benzene	71-43-2	ug/l	1	64	U	16	U	16	8	U	8
Bromochloromethane	74-97-5	ug/l	5	--		70	U	70	35	U	35
Bromodichloromethane	75-27-4	ug/l	50	77	U	19	U	19	9.6	U	9.6
Bromoform	75-25-2	ug/l	50	260	U	65	U	65	32	U	32
Bromomethane	74-83-9	ug/l	5	280	U	70	UJ	70	35	UJ	35
Carbon disulfide	75-15-0	ug/l	60	400	U	100	U	100	50	U	50
Carbon tetrachloride	56-23-5	ug/l	5	54	U	13	U	13	6.7	U	6.7
Chlorobenzene	108-90-7	ug/l	5	280	U	70	U	70	35	U	35
Chloroethane	75-00-3	ug/l	5	280	U	70	UJ	70	35	U	35
Chloroform	67-66-3	ug/l	7	280	U	70	U	70	35	U	35
Chloromethane	74-87-3	ug/l	NL	280	U	70	U	70	35	U	35
cis-1,2-Dichloroethene	156-59-2	ug/l	5	280	U	70	U	70	35	U	35
cis-1,3-Dichloropropene	10061-01-5	ug/l	0.4	58	U	14	U	14	7.2	U	7.2
Cyclohexane	110-82-7	ug/l	NL	110	U	27	U	27	14	U	14
Dibromochloromethane	124-48-1	ug/l	50	60	U	15	U	15	7.4	U	7.4
Dichlorodifluoromethane	75-71-8	ug/l	5	400	U	100	U	100	50	UJ	50
Ethylbenzene	100-41-4	ug/l	5	280	U	70	U	70	35	U	35
Freon-113	76-13-1	ug/l	5	280	U	70	U	70	35	U	35
Isopropylbenzene	98-82-8	ug/l	5	280	U	70	U	70	35	U	35
Methyl Acetate	79-20-9	ug/l	NL	94	U	23	U	23	12	U	12
Methyl cyclohexane	108-87-2	ug/l	NL	160	U	40	U	40	20	U	20
Methyl tert butyl ether	1634-04-4	ug/l	10	280	U	70	U	70	35	U	35
Methylene chloride	75-09-2	ug/l	5	280	U	70	U	70	35	U	35
o-Xylene	95-47-6	ug/l	5	280	U	70	U	70	35	U	35
p/m-Xylene	179601-23-1	ug/l	5	280	U	70	U	70	35	U	35
Styrene	100-42-5	ug/l	5	280	U	70	U	70	35	U	35
Tetrachloroethene	127-18-4	ug/l	5	**29**	J	**81**		18	**16**	**J**	9
Toluene	108-88-3	ug/l	5	280	U	70	U	70	35	U	35
trans-1,2-Dichloroethene	156-60-5	ug/l	5	280	U	70	U	70	35	U	35
trans-1,3-Dichloropropene	10061-02-6	ug/l	0.4	66	U	16	U	16	8.2	U	8.2
Trichloroethene	79-01-6	ug/l	5	**8,000**	J	**14000**	**J**	18	**4300**	**J**	8.8
Trichlorofluoromethane	75-69-4	ug/l	5	280	U	70	U	70	35	U	35
Vinyl chloride	75-01-4	ug/l	2	28	U	7.1	U	7.1	3.6	U	3.6
Total VOCs	--	ug/l	NL	8,029	J	14081	-	-	4316	-	-
Total TICs	--	ug/l	NL	ND		0			0		
Total TICs and VOCs	--	ug/l	NL	8,029	J	14081			4316	U	

TABLE 3.4

Well ID: SB-MW-14

Post Injection Groundwater Monitoring
Former Wollensack Optical - C828209
872 & 886 Hudson Avenue, Rochester, New York
LaBella Project #2182207

SAMPLE ID:	CAS #	Units	NYCRR Part 703 Groundwater Quality Standards	SB-MW-14		SB-MW-14			SB-MW-14		
LAB ID:				--		L2020006-02			L2027694-05		
COLLECTION DATE:				7/3/2019		5/12/2020			6/30/2020		
SCREEN DEPTH:				10'-20'		10'-20'			10'-20'		
SAMPLE MATRIX:				WATER		WATER			WATER		
				Conc	Q	Conc	Q	MDL	Conc	Q	MDL
1,1,1-Trichloroethane	71-55-6	ug/l	5	140	U	350	U	350	700	U	700
1,1,2,2-Tetrachloroethane	79-34-5	ug/l	5	33	U	84	U	84	170	U	170
1,1,2-Trichloroethane	79-00-5	ug/l	1	100	U	250	U	250	500	U	500
1,1-Dichloroethane	75-34-3	ug/l	5	140	U	350	U	350	700	U	700
1,1-Dichloroethene	75-35-4	ug/l	5	**40**	J	84	U	84	170	U	170
1,2,3-Trichlorobenzene	87-61-6	ug/l	5	140	U	350	UJ	350	700	U	700
1,2,4-Trichlorobenzene	120-82-1	ug/l	5	140	U	350	U	350	700	U	700
1,2-Dibromo-3-chloropropane	96-12-8	ug/l	0.04	140	U	350	U	350	700	U	700
1,2-Dibromoethane	106-93-4	ug/l	0.0006	130	U	320	U	320	650	U	650
1,2-Dichlorobenzene	95-50-1	ug/l	3	140	U	350	U	350	700	U	700
1,2-Dichloroethane	107-06-2	ug/l	0.6	26	U	66	U	66	130	U	130
1,2-Dichloropropane	78-87-5	ug/l	1	27	U	68	U	68	140	U	140
1,3-Dichlorobenzene	541-73-1	ug/l	3	140	U	350	U	350	700	U	700
1,4-Dichlorobenzene	106-46-7	ug/l	3	140	U	350	U	350	700	U	700
1,4-Dioxane	123-91-1	ug/l	NL			30000	UJ	30000	61000	UJ	61000
2-Butanone	78-93-3	ug/l	50	390	U	970	U	970	1900	U	1900
2-Hexanone	591-78-6	ug/l	50	200	U	500	U	500	1000	UJ	1000
4-Methyl-2-pentanone	108-10-1	ug/l	NL	200	U	500	U	500	1000	U	1000
Acetone	67-64-1	ug/l	50	290	U	730	U	730	1500	U	1500
Benzene	71-43-2	ug/l	1	32	U	80	U	80	160	U	160
Bromochloromethane	74-97-5	ug/l	5			350	U	350	700	U	700
Bromodichloromethane	75-27-4	ug/l	50	38	U	96	U	96	190	U	190
Bromoform	75-25-2	ug/l	50	130	U	320	U	320	650	U	650
Bromomethane	74-83-9	ug/l	5	140	U	350	UJ	350	700	UJ	700
Carbon disulfide	75-15-0	ug/l	60	200	U	500	U	500	1000	U	1000
Carbon tetrachloride	56-23-5	ug/l	5	27	U	67	U	67	130	U	130
Chlorobenzene	108-90-7	ug/l	5	140	U	350	U	350	700	U	700
Chloroethane	75-00-3	ug/l	5	140	U	350	UJ	350	700	U	700
Chloroform	67-66-3	ug/l	7	140	U	350	U	350	700	U	700
Chloromethane	74-87-3	ug/l	NL	140	U	350	U	350	700	U	700
cis-1,2-Dichloroethene	156-59-2	ug/l	5	140	U	350	U	350	700	U	700
cis-1,3-Dichloropropene	10061-01-5	ug/l	0.4	29	U	72	U	72	140	U	140
Cyclohexane	110-82-7	ug/l	NL	54	U	140	U	140	270	U	270
Dibromochloromethane	124-48-1	ug/l	50	30	U	74	U	74	150	U	150
Dichlorodifluoromethane	75-71-8	ug/l	5	200	U	500	U	500	1000	U	1000
Ethylbenzene	100-41-4	ug/l	5	140	U	350	U	350	700	U	700
Freon-113	76-13-1	ug/l	5	140	U	350	U	350	700	U	700
Isopropylbenzene	98-82-8	ug/l	5	140	U	350	U	350	700	U	700
Methyl Acetate	79-20-9	ug/l	NL	47	U	120	U	120	230	U	230
Methyl cyclohexane	108-87-2	ug/l	NL	79	U	200	U	200	400	U	400
Methyl tert butyl ether	1634-04-4	ug/l	10	140	U	350	U	350	700	U	700
Methylene chloride	75-09-2	ug/l	5	140	U	350	U	350	700	U	700
o-Xylene	95-47-6	ug/l	5	140	U	350	U	350	700	U	700
p/m-Xylene	179601-23-1	ug/l	5	140	U	350	U	350	700	U	700
Styrene	100-42-5	ug/l	5	140	U	350	U	350	700	U	700
Tetrachloroethene	127-18-4	ug/l	5	**1,200**		**2000**		90	**1700**		180
Toluene	108-88-3	ug/l	5	140	U	350	U	350	700	U	700
trans-1,2-Dichloroethene	156-60-5	ug/l	5	140	U	350	U	350	700	U	700
trans-1,3-Dichloropropene	10061-02-6	ug/l	0.4	33	U	82	U	82	160	U	160
Trichloroethene	79-01-6	ug/l	5	**180,000**	DJ	**74000**	**J**	88	**89000**	**J**	180
Trichlorofluoromethane	75-69-4	ug/l	5	140	U	350	U	350	700	U	700
Vinyl chloride	75-01-4	ug/l	2	14	U	36	U	36	71	U	71
Total VOCs	--	ug/l	NL	181,240		76000	-	-	90700	-	-
Total TICs	--	ug/l	NL	ND		0			0		
Total TICs and VOCs	--	ug/l	NL	181,240		76000			0		

TABLE 3.4

Well ID: SB-MW-15

Post Injection Groundwater Monitoring
Former Wollensack Optical - C828209
872 & 886 Hudson Avenue, Rochester, New York
LaBella Project #2182207

SAMPLE ID:	CAS #	Units	NYCRR Part 703 Groundwater Quality Standards	SB-MW-15		SB-MW-15			QA/QC			SB-MW-15 (6-29-2020)		
LAB ID:				--		L2020006-03			L2020006-10			L2027694-02		
COLLECTION DATE:				7/3/2019		5/12/2020			5/12/2020			6/29/2020		
SCREEN DEPTH:				10'-20'		10'-20'			10'-20'			10'-20'		
SAMPLE MATRIX:				WATER		WATER			WATER			WATER		
				Conc	Q	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
1,1,1-Trichloroethane	71-55-6	ug/l	5	70	U	70	U	70	0.7	U	0.7	28	U	28
1,1,2,2-Tetrachloroethane	79-34-5	ug/l	5	17	U	17	U	17	0.17	U	0.17	6.7	U	6.7
1,1,2-Trichloroethane	79-00-5	ug/l	1	50	U	50	U	50	0.5	U	0.5	20	U	20
1,1-Dichloroethane	75-34-3	ug/l	5	70	U	70	U	70	0.7	U	0.7	28	U	28
1,1-Dichloroethene	75-35-4	ug/l	5	17	U	17	U	17	3.8	J	0.17	6.8	U	6.8
1,2,3-Trichlorobenzene	87-61-6	ug/l	5	70	U	70	UJ	70	0.7	UJ	0.7	28	U	28
1,2,4-Trichlorobenzene	120-82-1	ug/l	5	70	U	70	U	70	0.7	U	0.7	28	U	28
1,2-Dibromo-3-chloropropane	96-12-8	ug/l	0.04	70	U	70	U	70	0.7	U	0.7	28	U	28
1,2-Dibromoethane	106-93-4	ug/l	0.0006	65	U	65	U	65	0.65	U	0.65	26	U	26
1,2-Dichlorobenzene	95-50-1	ug/l	3	70	U	70	U	70	0.7	U	0.7	28	U	28
1,2-Dichloroethane	107-06-2	ug/l	0.6	13	U	13	U	13	0.13	U	0.13	5.3	U	5.3
1,2-Dichloropropane	78-87-5	ug/l	1	14	U	14	U	14	0.14	U	0.14	5.5	U	5.5
1,3-Dichlorobenzene	541-73-1	ug/l	3	70	U	70	U	70	0.7	U	0.7	28	U	28
1,4-Dichlorobenzene	106-46-7	ug/l	3	70	U	70	U	70	0.7	U	0.7	28	U	28
1,4-Dioxane	123-91-1	ug/l	NL	--		6100	UJ	6100	61	UJ	61	2400	UJ	2400
2-Butanone	78-93-3	ug/l	50	190	U	190	U	190	4.3	J	1.9	78	U	78
2-Hexanone	591-78-6	ug/l	50	100	U	100	U	100	1	U	1	40	U	40
4-Methyl-2-pentanone	108-10-1	ug/l	NL	100	U	100	U	100	1	U	1	40	U	40
Acetone	67-64-1	ug/l	50	150	U	150	U	150	24	J	1.5	58	U	58
Benzene	71-43-2	ug/l	1	16	U	16	U	16	**1**	**J**	0.16	6.4	U	6.4
Bromochloromethane	74-97-5	ug/l	5	--		70	U	70	0.7	U	0.7	28	U	28
Bromodichloromethane	75-27-4	ug/l	50	19	U	19	U	19	0.19	U	0.19	7.7	U	7.7
Bromoform	75-25-2	ug/l	50	65	U	65	U	65	0.65	U	0.65	26	U	26
Bromomethane	74-83-9	ug/l	5	70	U	70	UJ	70	0.7	UJ	0.7	28	UJ	28
Carbon disulfide	75-15-0	ug/l	60	100	U	100	U	100	1	U	1	40	U	40
Carbon tetrachloride	56-23-5	ug/l	5	13	U	13	U	13	0.13	U	0.13	5.4	U	5.4
Chlorobenzene	108-90-7	ug/l	5	70	U	70	U	70	0.7	U	0.7	28	U	28
Chloroethane	75-00-3	ug/l	5	70	U	70	UJ	70	0.7	UJ	0.7	28	U	28
Chloroform	67-66-3	ug/l	7	70	U	70	U	70	0.7	U	0.7	28	U	28
Chloromethane	74-87-3	ug/l	NL	70	U	70	U	70	0.7	U	0.7	28	U	28
cis-1,2-Dichloroethene	156-59-2	ug/l	5	**280**		**260**	**J**	70	**130**	**DJ**	35	**200**		28
cis-1,3-Dichloropropene	10061-01-5	ug/l	0.4	14	U	14	U	14	0.14	U	0.14	5.8	U	5.8
Cyclohexane	110-82-7	ug/l	NL	27	U	27	U	27	1.1	J	0.27	11	U	11
Dibromochloromethane	124-48-1	ug/l	50	15	U	15	U	15	0.15	U	0.15	6	U	6
Dichlorodifluoromethane	75-71-8	ug/l	5	100	U	100	U	100	1	U	1	40	UJ	40
Ethylbenzene	100-41-4	ug/l	5	70	U	70	U	70	0.7	U	0.7	28	U	28
Freon-113	76-13-1	ug/l	5	70	U	70	U	70	0.7	U	0.7	28	U	28
Isopropylbenzene	98-82-8	ug/l	5	70	U	70	U	70	0.7	U	0.7	28	U	28
Methyl Acetate	79-20-9	ug/l	NL	23	U	23	U	23	0.23	U	0.23	9.4	U	9.4
Methyl cyclohexane	108-87-2	ug/l	NL	40	U	40	U	40	0.4	U	0.4	16	U	16
Methyl tert butyl ether	1634-04-4	ug/l	10	70	U	70	U	70	0.7	U	0.7	28	U	28
Methylene chloride	75-09-2	ug/l	5	70	U	70	U	70	0.7	U	0.7	28	U	28
o-Xylene	95-47-6	ug/l	5	70	U	70	U	70	0.7	U	0.7	28	U	28
p/m-Xylene	179601-23-1	ug/l	5	70	U	70	U	70	0.85	J	0.7	28	U	28
Styrene	100-42-5	ug/l	5	70	U	70	U	70	0.7	U	0.7	28	U	28
Tetrachloroethene	127-18-4	ug/l	5	**38**	J	**20**	**J**	18	**12**	**J**	0.18	**12**	**J**	7.2
Toluene	108-88-3	ug/l	5	**70**		70	U	70	1.8	J	0.7	28	U	28
trans-1,2-Dichloroethene	156-60-5	ug/l	5	**220**	J	**160**	**J**	70	**10**	**J**	0.7	**110**		28
trans-1,3-Dichloropropene	10061-02-6	ug/l	0.4	16	U	16	U	16	0.16	U	0.16	6.6	U	6.6
Trichloroethene	79-01-6	ug/l	5	**18,000**	J	**9700**	**J**	18	**2800**	**DJ**	8.8	**5800**	**J**	7
Trichlorofluoromethane	75-69-4	ug/l	5	70	U	70	U	70	0.7	U	0.7	28	U	28
Vinyl chloride	75-01-4	ug/l	2	7.1	U	7.1	U	7.1	1.2	J	0.07	2.8	U	2.8
Total VOCs	--	ug/l	NL	18,538	J	10140	-	-	2990.05	-	-	6122	-	-
Total TICs	--	ug/l	NL	ND		0			0			0		
Total TICs and VOCs	--	ug/l	NL	18,538	J	10140			2990.05			6122		

TABLE 3.4

Well ID: SB-MW-16

Post Injection Groundwater Monitoring
Former Wollensack Optical - C828209
872 & 886 Hudson Avenue, Rochester, New York
LaBella Project #2182207

SAMPLE ID:	CAS #	Units	NYCRR Part 703 Groundwater Quality Standards	SB-MW-16		SB-MW-16			SB-MW-16		
LAB ID:				--		L2020006-07			L2027694-08		
COLLECTION DATE:				7/3/2019		5/13/2020			6/30/2020		
SCREEN DEPTH:				3'-8'		3'-8'			3'-8'		
SAMPLE MATRIX:				WATER		WATER			WATER		
				Conc	Q	Conc	Q	MDL	Conc	Q	MDL
1,1,1-Trichloroethane	71-55-6	ug/l	5	3.5	U	1.8	U	1.8	1.8	U	1.8
1,1,2,2-Tetrachloroethane	79-34-5	ug/l	5	0.84	U	0.42	U	0.42	0.42	U	0.42
1,1,2-Trichloroethane	79-00-5	ug/l	1	2.5	U	1.2	U	1.2	1.2	U	1.2
1,1-Dichloroethane	75-34-3	ug/l	5	3.5	U	1.8	U	1.8	1.8	U	1.8
1,1-Dichloroethene	75-35-4	ug/l	5	0.84	U	0.42	U	0.42	0.6	J	0.42
1,2,3-Trichlorobenzene	87-61-6	ug/l	5	3.5	U	1.8	UJ	1.8	1.8	U	1.8
1,2,4-Trichlorobenzene	120-82-1	ug/l	5	3.5	U	1.8	U	1.8	1.8	U	1.8
1,2-Dibromo-3-chloropropane	96-12-8	ug/l	0.04	3.5	U	1.8	U	1.8	1.8	UJ	1.8
1,2-Dibromoethane	106-93-4	ug/l	0.0006	3.2	U	1.6	U	1.6	1.6	U	1.6
1,2-Dichlorobenzene	95-50-1	ug/l	3	3.5	U	1.8	U	1.8	1.8	U	1.8
1,2-Dichloroethane	107-06-2	ug/l	0.6	0.66	U	0.33	U	0.33	1.2	U	0.33
1,2-Dichloropropane	78-87-5	ug/l	1	0.68	U	0.34	U	0.34	0.34	U	0.34
1,3-Dichlorobenzene	541-73-1	ug/l	3	3.5	U	1.8	U	1.8	1.8	U	1.8
1,4-Dichlorobenzene	106-46-7	ug/l	3	3.5	U	1.8	U	1.8	1.8	U	1.8
1,4-Dioxane	123-91-1	ug/l	NL	--		150	UJ	150	150	UJ	150
2-Butanone	78-93-3	ug/l	50	9.7	U	**99**	**J**	**4.8**	4.8	U	4.8
2-Hexanone	591-78-6	ug/l	50	5	U	2.5	U	2.5	2.5	UJ	2.5
4-Methyl-2-pentanone	108-10-1	ug/l	NL	5	U	2.5	U	2.5	2.5	U	2.5
Acetone	67-64-1	ug/l	50	7.3	U	**240**	**J**	**3.6**	3.6	U	3.6
Benzene	71-43-2	ug/l	1	0.8	U	0.4	U	0.4	0.4	U	0.4
Bromochloromethane	74-97-5	ug/l	5	--		1.8	U	1.8	1.8	U	1.8
Bromodichloromethane	75-27-4	ug/l	50	0.96	U	0.48	U	0.48	0.48	U	0.48
Bromoform	75-25-2	ug/l	50	3.2	U	1.6	U	1.6	1.6	U	1.6
Bromomethane	74-83-9	ug/l	5	3.5	U	1.8	UJ	1.8	1.8	UJ	1.8
Carbon disulfide	75-15-0	ug/l	60	5	U	2.5	U	2.5	2.5	U	2.5
Carbon tetrachloride	56-23-5	ug/l	5	0.67	U	0.34	U	0.34	0.34	U	0.34
Chlorobenzene	108-90-7	ug/l	5	3.5	U	1.8	U	1.8	1.8	U	1.8
Chloroethane	75-00-3	ug/l	5	3.5	U	1.8	UJ	1.8	1.8	U	1.8
Chloroform	67-66-3	ug/l	7	6.9	J	3.6	J	1.8	1.8	UJ	1.8
Chloromethane	74-87-3	ug/l	NL	3.5	U	1.8	U	1.8	1.8	U	1.8
cis-1,2-Dichloroethene	156-59-2	ug/l	5	**10**	J	**8.5**		**1.8**	**17**		**1.8**
cis-1,3-Dichloropropene	10061-01-5	ug/l	0.4	0.72	U	0.36	U	0.36	0.36	U	0.36
Cyclohexane	110-82-7	ug/l	NL	1.4	U	0.68	U	0.68	0.68	U	0.68
Dibromochloromethane	124-48-1	ug/l	50	0.74	U	0.37	U	0.37	0.37	U	0.37
Dichlorodifluoromethane	75-71-8	ug/l	5	5	U	2.5	U	2.5	2.5	U	2.5
Ethylbenzene	100-41-4	ug/l	5	3.5	U	1.8	U	1.8	1.8	U	1.8
Freon-113	76-13-1	ug/l	5	3.5	U	1.8	U	1.8	1.8	U	1.8
Isopropylbenzene	98-82-8	ug/l	5	3.5	U	1.8	U	1.8	1.8	U	1.8
Methyl Acetate	79-20-9	ug/l	NL	1.2	U	0.58	U	0.58	0.58	U	0.58
Methyl cyclohexane	108-87-2	ug/l	NL	2	U	0.99	U	0.99	0.99	U	0.99
Methyl tert butyl ether	1634-04-4	ug/l	10	3.5	U	1.8	U	1.8	1.8	U	1.8
Methylene chloride	75-09-2	ug/l	5	3.5	U	1.8	U	1.8	1.8	U	1.8
o-Xylene	95-47-6	ug/l	5	3.5	U	1.8	U	1.8	1.8	U	1.8
p/m-Xylene	179601-23-1	ug/l	5	3.5	U	1.8	U	1.8	1.8	U	1.8
Styrene	100-42-5	ug/l	5	3.5	U	1.8	U	1.8	1.8	U	1.8
Tetrachloroethene	127-18-4	ug/l	5	**11**		**19**		**0.45**	**24**		**0.45**
Toluene	108-88-3	ug/l	5	3.5	U	1.8	U	1.8	1.8	U	1.8
trans-1,2-Dichloroethene	156-60-5	ug/l	5	3.5	U	1.8	U	1.8	1.8	U	1.8
trans-1,3-Dichloropropene	10061-02-6	ug/l	0.4	0.82	U	0.41	U	0.41	0.41	U	0.41
Trichloroethene	79-01-6	ug/l	5	**280**	J	**260**	**J**	**0.44**	**350**		**0.44**
Trichlorofluoromethane	75-69-4	ug/l	5	3.5	U	1.8	U	1.8	1.8	U	1.8
Vinyl chloride	75-01-4	ug/l	2	0.36	U	0.18	U	0.18	0.18	U	0.18
Total VOCs	--	ug/l	NL	301	J	630.1	-	-	392.08	-	-
Total TICs	--	ug/l	NL	ND		0			0		
Total TICs and VOCs	--	ug/l	NL	301	J	630.1			392.08		

APPENDIX A

Electronic Copy of Construction Completion Report

APPENDIX B

NYSDEC Approvals

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Region 8
6274 East Avon-Lima Road, Avon, NY 14414-9516
P: (585) 226-5353 I F: (585) 226-8139
www.dec.ny.gov

November 5, 2019

Carolyn Vitale
Jefferson Wollensack LLC
312 State Street
Rochester, New York 14608

Re: Interim Remedial Measure Work Plan
Former Wollensack Optical Site
Site No.: C828209
City of Rochester, Monroe (C)

Dear Ms. Vitale:

The New York State Department of Environmental Conservation (Department) and the New York State Department of Health (NYSDOH) (collectively known as the State) have completed their review of the August 2019 Interim Remedial Measure Work Plan (IRMWP) for the Former Wollensack Optical site (Site) located at 872 and 886 Hudson Avenue, City of Rochester. Based on the information presented in the August 2019 IRMWP, the August 2019 IRMWP is approved with the following modifications and clarifications.

1. The State understands that a Dig Safe survey will be completed prior to any ground intrusive activities completed at the Site.

2. The Department understands that all interim remedial measure fieldwork activities and final reports (Construction Completion Report [CCR], Final Engineering Report [FER]) will be conducted and completed in accordance 6 NYCRR Part 375-1.6. The Department understands that Labella Associates is operating under a current Certificate of Authorization (COA) to conduct engineering in New York State. A New York State licensed professional engineer (PE) employed by Labella Associates, Mr. Dan Noll or Ms. Ann Aquillina, will be the PE of record for the Site, and that Labella Associates staff who are direct reports to the PE of record will be on-site for all interim remedial measure (IRM) fieldwork activities. The Department's website provides the specific details: https://www.dec.ny.gov/regulations/90487.html

3. Based on the Department's review of the IRMWP, the Department is requesting the submittal of a detailed design document for the in-situ chemical oxidation (ISCO) injection system component of the IRM. The IRMWP submitted to the Department does not have adequate detail for the construction, installation, management of oxidant at the Site, and the operation of the ISCO injection system, but the proposed concept of conducting ISCO is an acceptable IRM to be undertaken. The ISCO injection system design document will contain the appropriate certification language from DER-10 Section 1.5 and will be signed and stamped by a NYS licensed PE. The design document will be submitted to the State for review and approval.

4. The Department has concerns regarding the construction of the secondary containment system out of wood and poly sheeting. The safety data sheet (SDS) clearly states that the oxidant must be kept away from combustible materials. The ISCO design document must provide additional

details on the construction of the secondary containment area and how precipitation collection in the secondary containment area will be managed.

5. It needs to be noted that the Protection of Groundwater SCOs for those compounds detected in groundwater apply to the Site. Currently based on groundwater sampling conducted to date that includes tetrachloroethene, trichloroethene, cis-1,2-dichloroethene, trans-1,2-dichloroethene, vinyl chloride, 1,1-dichlorothene, benzene, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, p/m-xylene, n-propylbenzene, ethylbenzene, naphthalene, and sec-butylbenzene.

6. Section 7.2: The IRMWP indicates that one round of injections will be completed at the Site. Additional rounds (multiple rounds) injections of an oxidant or another groundwater treatment amendment may be needed to in order to achieve State's standards and guidance values.

7. Section 7.2.4: The Department has concerns on how the area where the two (2) 275-gallon totes and the 1,000-gallon poly mixing tank will be secured at the Site from vandalism and theft as well as how the mixed liquid with oxidant will be protected from the freeze/thaw cycle within the tank, totes, and associated piping. This must be addressed in the ISCO design document.

8. Section 7.3: The State is adding the following bedrock groundwater monitoring well to be sampled as part of the post-injection sampling: BW-01 and BW-03. The inclusion of this bedrock well will potentially provide insight as to whether the oxidant is making contact with the bedrock contamination underlying the Site.

   Groundwater elevations will be collected from all groundwater monitoring wells at the Site for all groundwater sampling events. All groundwater monitoring wells (overburden and bedrock) will be checked for NAPL during all groundwater sampling events and will be noted on the groundwater sampling logs.

9. Section 12.0: All IRM derived waste will be managed in accordance with DER-10 Section 3.3(e) and will be disposed off-site at a permitted facility in accordance with all applicable local, State and Federal regulations.

10. Section 13.0: The Department understands that the Construction Completion Report (CCR) or Final Engineering Report (FER) documenting the IRM activities will be developed in accordance with DER-10 Section 5.8 and will include the appropriate certification language from DER-10 Section 1.5 as well as the NYS licensed PE of record stamp and signature. The State understands that a draft of the CCR or FER will be submitted for review 8 months after the date of the injections began (i.e., the date oxidant was introduced into the subsurface environment). The Department understands that all data associated with the IRM activities will be submitted in approved EDD format before proceeding into the remedy selection phase of the project.

11. Figure 1: For future submittals using this figure the BCP site needs to be shown as detailed in the figure's legend.

12. The Department understands that the installation of the injection system and secondary containment area will not impede any future remedial activities at the Site's such as remedy implementation in particular the removal of the underground storage tank located on the eastern side of the 872 Hudson Avenue building.

13. Appendix 5, Radiation Protection Plan (RPP), Page 4: It is stated in Item 2.b the following: *"It is expected that the contaminated surfaces that are not successfully remediated using HEPA Vac or wet wipes will either be decontaminated using a pressure washer or a grinder*". The State

understands that all liquids associated with pressure washing surfaces will be collected and disposed as rad waste at a permitted facility as per all local, State, and Federal regulations.

14. Appendix 5, Radiation Protection Plan, Page 6 – Item 2.e & 2.d: While some radiation projects need to develop scan MDCs and other calculations, for this effort as part of the IRM, the Department understands that the approach can be greatly simplified. First, the calculated Alpha scan MDC of 275 (DPM) appears to be quite large, as does the static value of 45 (DPM); therefore, in trying to prove that there are no areas/materials remaining at the Site that will be above background for all matrices (e.g., wood, steel) can be performed by developing static background (CPM or DPM) values for these materials and ensuring that the after scans and any subsequent required remediation representative the static (CPM or DPM) values are no greater than 2 sigma (i.e., 95% confidence) above that value, averaged over area using normal MARSSIM protocols.

15. Appendix 5, Radiation Protection Plan, Page 6: It is stated in Item 2.d the perimeter area of one foot from the decontamination area will also be surveyed to ensure that no resuspended contamination has spread to the previously "clean area". The State understands that at the time of the waste containers are being removed for shipment to the disposal facility the area(s) where the waste containers had been stored will be surveyed to ensure no introduction of radiation contamination. The State also understands that the surveys will be completed by qualified health physics staff employed by Austin Master Services, LLC (AMS). If contamination is found, the State's PMs for the site must be notified of the contamination and additional remediation measures will be taken to remove the contamination.

16. Appendix 5, Radiation Protection Plan, Page 7: It is stated in Item 3.b: *"Accumulated waste material and their storage area will be surveyed daily, and barriers erected to ensure no one can enter an area with an exposure rate greater than 0.2mSv/h".* The State understands that during the decontamination activities daily surveys will be completed by a qualified health physics staff employed by AMS.

17. Appendix 5, Radiation Protection Plan, Page 7: The State understands that in Item 4.b the surveys will be completed by qualified health physics staff employed by AMS.

18. Appendix 5, Radiation Protection Plan: The RPP does not indicate the name and location of the disposal facility for the rad waste that will be removed from the Site. The State understands that prior to shipment of the rad waste the name, location, and facility identifier will be provided to the State's PMs.

19. Appendix 5, Radiation Protection Plan: The RPP provided to the State does not indicate how long the containerized rad waste will be staged at the Site. The State requests containerized rad waste will be staged no more than 30 days from the date of start of decontamination activities (i.e., the date that rad waste material is placed in approved DOT containers).

20. Appendix 5, Radiation Protection Plan, HASP: The Department understands t hat the HASP was developed for activities to be completed at 872 Hudson Avenue Building and not 886 Hudson Avenue which is a vacant lot.

21. As per the Brownfield Cleanup Agreement and 6 NYCRR Part 375, seven (7) days advance notice of field work activities must be given to the State so that appropriate oversight can be provided.

Within fifteen (15) days of the date of this letter and prior to any fieldwork activities associated with the Interim Remedial Measures Work Plan the Applicant must elect in writing (electronic notification is acceptable) one of the following options:

- Option A: Accept the modified work plan;
- Option B: Invoke dispute resolution as set forth in 6 NYCRR Part 35-1.5(b)(2); or
- Option C: Terminate the Brownfield Cleanup Agreement in accordance with 6 NYCRR Part 375-3.5.

If the Applicant chooses to accept Option A then this letter becomes part of the approved Interim Remedial Measures Work Plan. Also, if Option A is chosen then a copy of the approved Interim Remedial Measures Work Plan along with this letter attached must be placed in the document repository within 1 week of accepting Option A and prior to all IRM fieldwork activities associated with the approved Interim Remedial Measures Work Plan. Please provide notification to the Department that the approved Interim Remedial Measures Work Plan and a copy of this letter have been placed in the document repository (electronic notification is acceptable).

State seeks to resolve any outstanding differences in a mutually agreeable manner which addresses the requirements of the Brownfield Cleanup Agreement and associated work plans. If you have any questions or concerns regarding this letter, the BCP requirements, or need further assistance with the Site, please feel free to contact me at 585-226-5354 or via e-mail at charlotte.theobald@dec.ny.gov.

Sincerely,



Charlotte B. Theobald
Assistant Engineer

ec:
Chris Roland (Edgemere Development)
Dan Noll (LaBella)
Ann Aquilina (LaBella)
Jennifer Gillen (LaBella)
Amy Reichhart (Nixon Peabody, LLC)
Carlos Barbosa (NYSHCR)
Patricia Dieck (NYSHCR)
Justin Deming (NYS Dept. of Health – Albany)
Melissa Doroski (NYS. Dept. of Health – Albany)
Arunesh Ghosh (NYS Dept. of Health - Albany)
John Frazer (MCHD)
Wade Silkworth (MCHD)
Kieran McCarthy (NYSDEC)
David Pratt (NYSDEC)
Thomas Papura (NYSDEC)
Todd Caffoe (NYSDEC)
Mike Zamiarski (NYSDEC)

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Region 8
6274 East Avon-Lima Road, Avon, NY 14414-9516
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www.dec.ny.gov

February 7, 2020

Carolyn Vitale
Jefferson Wollensack LLC
312 State Street
Rochester, New York 14608

Re: Interim Remedial Measure RAOC #1 Design Document
Former Wollensack Optical Site
Site No.: C828209
City of Rochester, Monroe (C)

Dear Ms. Vitale:

The New York State Department of Environmental Conservation (Department) and the New York State Department of Health (NYSDOH) (collectively known as the State) have completed their review of the January 7, 2020 Interim Remedial Measure RAOC #1 Design Document (Document) for the Former Wollensack Optical site (Site) located at 872 and 886 Hudson Avenue, City of Rochester. Based on the information presented in the Document, the Document is approved with the following modifications and clarifications.

1. The State understands that all imported fill material will be imported to the Site in accordance with DER-10 Section 5.4(e). The Request to Import/Reuse Fill/Soil Material will be submitted to the Department for review and approval prior to import of any soil/fill material to the Site.

2. The State understands that the USEPA UIC approval will be provided to the State prior to the commencement of injections at the Site.

3. The State understands that the first round of injections will be low pressure pumped into the injection wells. With that said daylight monitoring needs to be conducted in the boiler room given that there has been previous infiltration of petroleum product in the boiler basin.

4. The State understands that the potable water to be used for the injections will be the City of Rochester drinking water.

5. The State understands that all sub-slab and wall pipe penetrations will be properly sealed to ensure the sub-slab depressurization system will operate properly.

6. The State understands that groundwater levels will be collected in the injection wells (overburden and bedrock) prior to injections and again before the injection wells are sealed below the concrete slab of the building. The groundwater elevations will assist in determining that the seal remains competent between the bedrock over burden injection wells.

7. The State is requesting that preliminary laboratory data from the groundwater performance monitoring events is submitted to the Department upon receipt from the laboratory.

8. The State understands that the 1st groundwater monitoring sampling event will be conducted 6 weeks after the last day of injections are completed.

9. The State understands that there are 2 proposed groundwater performance monitoring events scheduled for the Site. The State is requesting that after completion of the 12-week post-injection groundwater sampling event the groundwater performance monitoring will be conducted quarterly until there is another round of injections completed at the Site or the Site's final Site Management Plan is approved. Based on the schedule provided in the Document the next groundwater performance monitoring event will occur in the 3rd quarter of 2020 (July, August, September 2020).

10. Based on the approved August 2019 Interim Remedial Measures Work Plan, the State understands that the groundwater sampling will be lowflow. The State requests that the depth of the intake is indicated on all of the groundwater sampling logs.

11. The State understands that the laboratory data packages will be Category B and the laboratory will be ELAP certified. A DUSR will be prepared. As stated in the approved August 2019 Interim Remedial Measures Work Plan the analytical parameters will be TCL VOCs plus TICs.

12. The State also understands that the quarterly groundwater performance monitoring data will be submitted to the State in quarterly letter reports or the subsequent Site monthly progress report. The submittal will include but not limited to the laboratory data package, associated field documentation, and the associated DUSR.

13. During all field work activities associated with the IRM completed under a State approved work plan there will be a qualified environmental professional as defined in 6 NYCRR Part 375-1.2(ak) or an individual who is a direct report to the QEP on the property to supervise the activities undertaken.

14. The State understands that the IRM injection activities will be documented in a Construction Completion Report or in the Final Engineering report as per DER-10 Section 5.8. The CCR and/or FER will included all NYS licensed PE stamped and signed as-built drawings and the appropriate certification language as presented in DER-10 Section 1.5. The State also understands that the CCR will also include all activities completed in associated with the radiation decontamination activities completed at the Site. The State also understands that the CCR documenting the IRM activities at the Site will include all supporting documentation including, but not limited to, bills of lading, off-site waste disposal records, CAMP monitoring data, daily field logs, etc.

Within fifteen (15) days of the date of this letter, the Applicant must elect in writing (electronic notification is acceptable) one of the following options:

- Option A: Accept the modified work plan;
- Option B: Invoke dispute resolution as set forth in 6 NYCRR Part 35-1.5(b)(2); or
- Option C: Terminate the Brownfield Cleanup Agreement in accordance with 6 NYCRR Part 375-3.5.

If the Applicant chooses to accept Option A then this letter becomes part of the approved Interim Remedial Measure RAOC #1 Design Document. Also, if Option A is chosen then a copy of the approved Interim Remedial Measure RAOC #1 Design Document along with this letter attached must be placed in the document repository within 1 week of accepting Option A. Please provide notification to the Department that the approved Interim Remedial Measure RAOC #1 Design Document and a copy of this letter have been placed in the document repository (electronic notification is acceptable).

State seeks to resolve any outstanding differences in a mutually agreeable manner which addresses the requirements of the Brownfield Cleanup Agreement and associated work plans. If you have any questions or concerns regarding this letter, the BCP requirements, or need further assistance with the Site, please feel free to contact me at 585-226-5354 or via e-mail at charlotte.theobald@dec.ny.gov.

Sincerely,



Charlotte B. Theobald
Assistant Engineer

ec:
Chris Roland (Edgemere Development)
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Ann Aquilina (LaBella)
Dan Noll (LaBella)
Amy Reichhart (Nixon Peabody, LLC)
Carlos Barbosa (NYSHCR)
Melissa Doroski (NYS. Dept. of Health – Albany)
Arunesh Ghosh (NYS Dept. of Health - Albany)
John Frazer (MCHD)
Wade Silkworth (MCHD)
Kieran McCarthy (NYSDEC)
David Pratt (NYSDEC)
Mike Zamiarski (NYSDEC)
Todd Caffoe (NYSDEC)

APPENDIX C

Permits

Brett, Alexander

From: Ash, Christine <Ash.Christine@epa.gov>
Sent: Thursday, March 5, 2020 1:10 PM
To: Pelychaty,Mike
Cc: Gillen, Jennifer; Schlotter, Nancy
Subject: RE: C828209 Former Wollensack Optical Site - Inventory of Injection Wells Form
Attachments: C828209 Inventory of Injection Wells Form.pdf

To the owner of the Jefferson Wollensack Housing Development Fund Corp:

The U.S. Environmental Protection Agency (USEPA) Region 2 Drinking Water & Groundwater Protection Section is in receipt of the Underground Injection Control (UIC) inventory information submitted on your behalf by LaBella Associates addressing Class V UIC wells authorized by rule located at 872 Hudson Street, Rochester, NY in accordance with 40 Code of Federal Regulations (CFR) §144.26.

The operation of the following Underground Injection Control wells are authorized by rule, pursuant to 40 CFR §144.24: **Twenty-four (24) temporary Class V B wells.**

Our understanding is that the New York State Department of Environmental Conservation (NYSDEC) has approved the plan. The NYSDEC Brownfield Cleanup Program site is #C828209.

Please inform EPA Region 2 when the wells are permanently closed, via both e-mail and hard copy, to the following contacts:

Drinking Water and Ground Water Protection Section
United States Environmental Protection Agency
290 Broadway, 24th Floor
New York, NY 10007-1866
Attention: Nancy Schlotter
region2_uic@epa.gov

Failure to submit any, and all information truthfully and accurately may subject you to sanctions authorized by federal law. Please also note that all information submitted by you may be used in an administrative, civil judicial, or criminal action. In addition, making a knowing submission of materially false information to the U.S. Government may be a criminal offense.

We may be in touch for additional information or if we have any follow-up questions or concerns. Likewise, if you have any questions or need additional information, please contact Nancy Schlotter of my staff at (212) 637-3947 or by e-mail at schlotter.nancy@epa.gov.

Sincerely,

Christine Ash
Chief, Drinking Water and Municipal Infrastructure Branch
EPA Region 2
290 Broadway
New York, NY 10007
ash.christine@epa.gov
(212) 637-4006

From: Pelychaty,Mike <mpelychaty@LaBellaPC.com>
Sent: Wednesday, March 04, 2020 12:49 PM
To: Ash, Christine <Ash.Christine@epa.gov>
Cc: Gillen, Jennifer <jgillen@LaBellaPC.com>
Subject: C828209 Former Wollensack Optical Site - Inventory of Injection Wells Form

Christine,

I wanted to follow up on our conversation last week regarding the Inventory of Injection Wells form that was submitted to you and that you intend to respond to the letter this week? Please let me know if you have any questions or anticipate any delays as we are planning to commence injection next week and the NYSDEC is requiring an EPA response prior to the start of work.

-Mike

From: Aquilina, Ann
Sent: Thursday, January 09, 2020 3:47 PM
To: 'Region2_UIC@epa.gov'
Cc: Gillen, Jennifer
Subject: C828209 Former Wollensack Optical Site - Inventory of Injection Wells Form

Good Afternoon,

Attached please find a completed Inventory of Injection Wells form for the property located at 872 Hudson Avenue, Rochester New York. The Site is in the NYSDEC BCP (Site #C828209). The injection wells are for application of sodium permanganate to treat chlorinated VOCs in soil and groundwater. The wells will be installed in January-February 2020 and the injections will take place in approximately March 2020. If you require additional information, please feel free to contact me.

Thank you,

Ann Aquilina, PE
LaBella Associates | Environmental Engineer
<image001.png>
585-295-6289 **direct**
585-454-6110 **office**
300 State Street, Suite 201
Rochester, NY 14614
labellapc.com

<C828209 Inventory of Injection Wells Form.pdf>

Michael Pelychaty, PG
LaBella Associates | Sr. Environmental Geologist

585-295-6253 **direct**
585-454-6110 **office**
300 State Street, Suite 201
Rochester, NY 14614
labellapc.com

Type or print all information. See reverse for instructions. OMB No. 2040-0042 Approval Expires 11/30/2014

INVENTORY OF INJECTION WELLS

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
OFFICE OF GROUND WATER AND DRINKING WATER

(This information is collected under the authority of the Safe Drinking Water Act)

1. DATE PREPARED *(Year, Month, Day)*: 20-01-09

2. FACILITY ID NUMBER: NYS C828209

PAPERWORK REDUCTION ACT NOTICE
The public reporting burden for this collection of information is estimated at about 0.5 hour per response including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, includingsuggestions for reducing this burden, Director, Collection Strategies Division (2822), U.S. Environmental Protection Agency, 1200 Pennsylvania Avenue, NW, Washington, DC 20460, and to the Office of Management and Budget, Paperwork Reduction Project, Washington, DC20503.

3. TRANSACTION TYPE *(Please mark one of the following)*

- [ ] Deletion
- [x] First Time Entry
- [ ] Entry Change
- [ ] Replacement

4. FACILITY NAME AND LOCATION

A. NAME *(last, first, and middle initial)*: Former Wollensack Optical

B. STREET ADDRESS/ROUTE NUMBER: 872 Hudson Ave

C. LATITUDE

DEG	MIN	SEC
43	10	51.3804

D. LONGITUDE

DEG	MIN	SEC
-77	35	55.9998

E. TOWNSHIP/RANGE

TOWNSHIP	RANGE	SECT	1/4 SECT

F. CITY/TOWN: Rochester

G. STATE: NY

H. ZIP CODE: 14621

I. NUMERIC COUNTY CODE: 055

J. INDIAN LAND *(mark "x")*: [ ] Yes [x] No

5. LEGAL CONTACT:

A. TYPE *(mark "x")*: [x] Owner [ ] Operator

B. NAME *(last, first, and middle initial)*: Jefferson Wollensack Housing Development Fund Corp

C. PHONE *(area code and number)*: (585) 454-5710

D. ORGANIZATION:

E. STREET/P.O. BOX: 312 State Street

F. CITY/TOWN: Rochester

G. STATE: NY

H. ZIP CODE: 14608

I. OWNERSHIP *(mark "x")*: [x] PRIVATE [ ] PUBLIC [ ] SPECIFY OTHER [ ] STATE [ ] FEDERAL

6. WELL INFORMATION:

A. CLASS AND TYPE		B. NUMBER OF WELLS		C. TOTAL NUMBER OF WELLS	D. WELL OPERATION STATUS				
		COMM	NON-COMM		UC	AC	TA	PA	AN
V	B	0	24	24	24				
				0					
				0					
				0					
				0					
				0					
				0					

COMMENTS *(Optional)*:
Treatment wells will be used for application of sodium permanganate to treat chlorinated VOCs in soil and groundwater. The site is in the NYSDEC BCP with ID C828209.

KEY:

DEG = Degree
MIN = Minute
SEC = Second
SECT = Section
1/4 SECT = Quarter Section

COMM = Commercial
NON-COMM = Non-Commercial
AC = Active
UC = Under Construction
TA = Temporarily Abandoned
PA = Permanently Abandoned and Approved by State
AN = Permanently Abandoned and not Approved by State

SECTION 1. DATE PREPARED: Enter date in order of year, month, and day.

SECTION 2. FACILITY ID NUMBER: In the first two spaces, insert the appropriate U.S. Postal Service State Code. In the third space, insert one of the following one letter alphabetic identifiers:

D - DUNS Number,
G - GSA Number, or
S - State Facility Number.

In the remaining spaces, insert the appropriate nine digit DUNS, GSA, or State Facility Number. For example, A Federal facility (GSA - 123456789) located in Virginia would be entered as : VAG123456789.

SECTION 3. TRANSACTION TYPE: Place an "x" in the applicable box. See below for further instructions.

Deletion. Fill in the Facility ID Number.
First Time Entry. Fill in all the appropriate information.
Entry Change. Fill in the Facility ID Number and the information that has changed.
Replacement.

SECTION 4. FACILITY NAME AND LOCATION:

A. Name. Fill in the facility's official or legal name.
B. Street Address. Self Explanatory.
C. Latitude. Enter the facility's latitude (all latitudes assume North Except for American Samoa).
D. Longitude. Enter the facility's longitude (all longitudes assume West except Guam).
E. Township/Range. Fill in the complete township and range. The first 3 spaces are numerical and the fourth is a letter (N,S,E,W) specifying a compass direction. A township is North or South of the baseline, and a range is East or West of the principal meridian (e.g., 132N, 343W).
F. City/Town. Self Explanatory.
G. State. Insert the U.S. Postal Service State abbreviation.
H. Zip Code. Insert the five digit zip code plus any extension.

SECTION 4. FACILITY NAME & LOCATION (CONT'D.):

I. Numeric County Code. Insert the numeric county code from the Federal Information Processing Standards Publication (FIPS Pub 6-1) June 15, 1970, U.S. Department of Commerce, National Bureau of Standards. For Alaska, use the Census Division Code developed by the U.S. Census Bureau.
J. Indian Land. Mark an "x" in the appropriate box (Yes or No) to indicate if the facility is located on Indian land.

SECTION 5. LEGAL CONTACT:

A. Type. Mark an "x" in the appropriate box to indicate the type of legal contact (Owner or Operator). For wells operated by lease, the operator is the legal contact.
B. Name. Self Explanatory.
C. Phone. Self Explanatory.
D. Organization. If the legal contact is an individual, give the name of the business organization to expedite mail distribution.
E. Street/P.O. Box. Self Explanatory.
F. City/Town. Self Explanatory.
G. State. Insert the U.S. Postal Service State abbreviation.
H. Zip Code. Insert the five digit zip code plus any extension.
I. Ownership. Place an "x" in the appropriate box to indicate ownership status.

SECTION 6. WELL INFORMATION:

A. Class and Type. Fill in the Class and Type of injection wells located at the listed facility. Use the most pertinent code (specified below) to accurately describe each type of injection well. For example, 2R for a Class II Enhanced Recovery Well, or 3M for a Class III Solution Mining Well, etc.
B. Number of Commercial and Non-Commercial Wells. Enter the total number of commercial and non-commercial wells for each Class/Type, as applicable.
C. Total Number of Wells. Enter the total number of injection wells for each specified Class/Type.
D. Well Operation Status. Enter the number of wells for each Class/Type under each operation status (see key on other side).

CLASS I Industrial, Municipal, and Radioactive Waste Disposal Wells used to inject waste below the lowermost Underground Source of Drinking Water (USDW).

TYPE	**1I**	Non-Hazardous Industrial Disposal Well.
	1M	Non-Hazardous Municipal Disposal Well.
	1H	Hazardous Waste Disposal Well injecting below the lowermost USDW.
	1R	Radioactive Waste Disposal Well.
	1X	Other Class I Wells.

CLASS II Oil and Gas Production and Storage Related Injection Wells.

TYPE	**2A**	Annular Disposal Well.
	2D	Produced Fluid Disposal Well.
	2H	Hydrocarbon Storage Well.
	2R	Enhanced Recovery Well.
	2X	Other Class II Wells.

CLASS III Special Process Injection Wells.

TYPE	**3G**	*In Situ* Gasification Well
	3M	Solution Mining Well.

CLASS III (CONT'D.)

TYPE	**3S**	Sulfur Mining Well by Frasch Process.
	3T	Geothermal Well.
	3U	Uranium Mining Well.
	3X	Other Class III Wells.

CLASS IV Wells that inject hazardous waste into/above USDWs.

TYPE	**4H**	Hazardous Facility Injection Well.
	4R	Remediation Well at RCRA or CERCLA site.

CLASS V Any Underground Injection Well not included in Classes I through IV.

TYPE	**5A**	Industrial Well.
	5B	Beneficial Use Well.
	5C	Fluid Return Well.
	5D	Sewage Treatment Effluent Well.
	5E	Cesspools (non-domestic).
	5F	Septic Systems.
	5G	Experimental Technology Well.
	5H	Drainage Well.
	5I	Mine Backfill Well.
	5J	Waste Discharge Well.

PAPERWORK REDUCTION ACT The public reporting and record keeping burden for this collection of information is estimated to average 0.5 hours per response. Burden means the total time, effort, or financial resource expended by persons to generate, maintain, retain, or disclose or provide information to or for a Federal Agency. This includes the time needed to review instructions; develop, acquire, install, and utilize technology and systems for the purposes of collecting, validating, and verifying information, processing and maintaining information, and disclosing and providing information; adjust the existing ways to comply with any previously applicable instructions and requirements; train personnel to be able to respond to the collection of information; search data sources; complete and review the collection of information; and, transmit or otherwise disclose the information. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates, and any suggested methods for minimizing respondent burden, including the use of automated collection techniques to Director, Collection Strategies Division, U.S. Environmental Protection Agency (2822), 1200 Pennsylvania Ave., NW., Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed forms to this address.

APPENDIX D

Community Air Monitoring Plan (CAMP) Logs

Workzone CAMP Dust Monitoring Data

Test 001

Instrument		Data Properties	
Model	DustTrak II	Start Date	12/03/2019
Instrument S/N	8530183205	Start Time	08:05:33
		Stop Date	12/03/2019
		Stop Time	15:05:33
		Total Time	0:07:00:00
		Logging Interval	900 seconds

Statistics	
	AEROSOL
Avg	0.116 mg/m^3
Max	1.230 mg/m^3
Max Date	12/03/2019
Max Time	08:50:33
Min	0.040 mg/m^3
Min Date	12/03/2019
Min Time	08:35:33
TWA (8 hr)	0.102
TWA Start Date	12/03/2019
TWA Start Time	08:05:33
TWA End Time	15:05:33

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
1	12/03/2019	08:20:33	0.044
2	12/03/2019	08:35:33	0.040
3	12/03/2019	08:50:33	1.230
4	12/03/2019	09:05:33	0.216
5	12/03/2019	09:20:33	0.091
6	12/03/2019	09:35:33	0.234
7	12/03/2019	09:50:33	0.102
8	12/03/2019	10:05:33	0.121
9	12/03/2019	10:20:33	0.071
10	12/03/2019	10:35:33	0.054
11	12/03/2019	10:50:33	0.064
12	12/03/2019	11:05:33	0.040
13	12/03/2019	11:20:33	0.063
14	12/03/2019	11:35:33	0.058
15	12/03/2019	11:50:33	0.071
16	12/03/2019	12:05:33	0.052
17	12/03/2019	12:20:33	0.049
18	12/03/2019	12:35:33	0.048
19	12/03/2019	12:50:33	0.059
20	12/03/2019	13:05:33	0.074
21	12/03/2019	13:20:33	0.056

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
22	12/03/2019	13:35:33	0.060
23	12/03/2019	13:50:33	0.055
24	12/03/2019	14:05:33	0.052
25	12/03/2019	14:20:33	0.057
26	12/03/2019	14:35:33	0.064
27	12/03/2019	14:50:33	0.054
28	12/03/2019	15:05:33	0.071

Test 002

Instrument		Data Properties	
Model	DustTrak II	Start Date	12/04/2019
Instrument S/N	8530183205	Start Time	07:08:40
		Stop Date	12/04/2019
		Stop Time	15:08:40
		Total Time	0:08:00:00
		Logging Interval	900 seconds

Statistics	
	AEROSOL
Avg	0.352 mg/m^3
Max	3.390 mg/m^3
Max Date	12/04/2019
Max Time	09:38:40
Min	-0.056 mg/m^3
Min Date	12/04/2019
Min Time	08:23:40
TWA (8 hr)	0.352
TWA Start Date	12/04/2019
TWA Start Time	07:08:40
TWA End Time	15:08:40

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
1	12/04/2019	07:23:40	-0.031
2	12/04/2019	07:38:40	-0.015
3	12/04/2019	07:53:40	-0.048
4	12/04/2019	08:08:40	-0.055
5	12/04/2019	08:23:40	-0.056
6	12/04/2019	08:38:40	-0.049
7	12/04/2019	08:53:40	-0.050
8	12/04/2019	09:08:40	0.199
9	12/04/2019	09:23:40	1.270
10	12/04/2019	09:38:40	3.390
11	12/04/2019	09:53:40	1.330
12	12/04/2019	10:08:40	0.033
13	12/04/2019	10:23:40	-0.014
14	12/04/2019	10:38:40	0.303
15	12/04/2019	10:53:40	0.737
16	12/04/2019	11:08:40	2.390
17	12/04/2019	11:23:40	0.260
18	12/04/2019	11:38:40	0.068
19	12/04/2019	11:53:40	0.004
20	12/04/2019	12:08:40	-0.034
21	12/04/2019	12:23:40	-0.040

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
22	12/04/2019	12:38:40	-0.036
23	12/04/2019	12:53:40	0.992
24	12/04/2019	13:08:40	0.476
25	12/04/2019	13:23:40	0.050
26	12/04/2019	13:38:40	0.022
27	12/04/2019	13:53:40	0.033
28	12/04/2019	14:08:40	0.238
29	12/04/2019	14:23:40	-0.025
30	12/04/2019	14:38:40	-0.044
31	12/04/2019	14:53:40	-0.032
32	12/04/2019	15:08:40	-0.017

Test 003

Instrument		Data Properties	
Model	DustTrak II	Start Date	12/05/2019
Instrument S/N	8530183205	Start Time	07:09:14
		Stop Date	12/05/2019
		Stop Time	15:09:14
		Total Time	0:08:00:00
		Logging Interval	900 seconds

Statistics	
	AEROSOL
Avg	0.668 mg/m^3
Max	7.540 mg/m^3
Max Date	12/05/2019
Max Time	11:39:14
Min	-0.051 mg/m^3
Min Date	12/05/2019
Min Time	09:39:14
TWA (8 hr)	0.668
TWA Start Date	12/05/2019
TWA Start Time	07:09:14
TWA End Time	15:09:14

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
1	12/05/2019	07:24:14	0.011
2	12/05/2019	07:39:14	-0.044
3	12/05/2019	07:54:14	0.009
4	12/05/2019	08:09:14	0.020
5	12/05/2019	08:24:14	0.248
6	12/05/2019	08:39:14	0.489
7	12/05/2019	08:54:14	0.140
8	12/05/2019	09:09:14	-0.033
9	12/05/2019	09:24:14	-0.036
10	12/05/2019	09:39:14	-0.051
11	12/05/2019	09:54:14	0.652
12	12/05/2019	10:09:14	1.470
13	12/05/2019	10:24:14	0.006
14	12/05/2019	10:39:14	0.980
15	12/05/2019	10:54:14	0.237
16	12/05/2019	11:09:14	-0.044
17	12/05/2019	11:24:14	1.570
18	12/05/2019	11:39:14	7.540
19	12/05/2019	11:54:14	1.290
20	12/05/2019	12:09:14	0.123
21	12/05/2019	12:24:14	0.092

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
22	12/05/2019	12:39:14	0.103
23	12/05/2019	12:54:14	0.157
24	12/05/2019	13:09:14	0.432
25	12/05/2019	13:24:14	0.188
26	12/05/2019	13:39:14	0.146
27	12/05/2019	13:54:14	0.097
28	12/05/2019	14:09:14	0.099
29	12/05/2019	14:24:14	0.198
30	12/05/2019	14:39:14	2.610
31	12/05/2019	14:54:14	2.450
32	12/05/2019	15:09:14	0.214

Test 004

Instrument		Data Properties	
Model	DustTrak II	Start Date	12/06/2019
Instrument S/N	8530183205	Start Time	07:15:31
		Stop Date	12/06/2019
		Stop Time	14:45:31
		Total Time	0:07:30:00
		Logging Interval	900 seconds

Statistics	
	AEROSOL
Avg	0.244 mg/m^3
Max	1.320 mg/m^3
Max Date	12/06/2019
Max Time	10:15:31
Min	-0.044 mg/m^3
Min Date	12/06/2019
Min Time	14:45:31
TWA (8 hr)	0.229
TWA Start Date	12/06/2019
TWA Start Time	07:15:31
TWA End Time	14:45:31

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
1	12/06/2019	07:30:31	-0.037
2	12/06/2019	07:45:31	0.085
3	12/06/2019	08:00:31	0.642
4	12/06/2019	08:15:31	0.052
5	12/06/2019	08:30:31	-0.001
6	12/06/2019	08:45:31	0.535
7	12/06/2019	09:00:31	0.359
8	12/06/2019	09:15:31	0.076
9	12/06/2019	09:30:31	0.070
10	12/06/2019	09:45:31	-0.018
11	12/06/2019	10:00:31	0.272
12	12/06/2019	10:15:31	1.320
13	12/06/2019	10:30:31	0.672
14	12/06/2019	10:45:31	0.663
15	12/06/2019	11:00:31	0.384
16	12/06/2019	11:15:31	0.083
17	12/06/2019	11:30:31	0.100
18	12/06/2019	11:45:31	0.091
19	12/06/2019	12:00:31	0.055
20	12/06/2019	12:15:31	0.056
21	12/06/2019	12:30:31	0.023

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
22	12/06/2019	12:45:31	0.000
23	12/06/2019	13:00:31	-0.004
24	12/06/2019	13:15:31	0.488
25	12/06/2019	13:30:31	0.981
26	12/06/2019	13:45:31	0.241
27	12/06/2019	14:00:31	0.128
28	12/06/2019	14:15:31	0.049
29	12/06/2019	14:30:31	0.001
30	12/06/2019	14:45:31	-0.044

Test 014

Instrument		Data Properties	
Model	DustTrak II	Start Date	01/16/2020
Instrument S/N	8530141110	Start Time	07:03:04
		Stop Date	01/16/2020
		Stop Time	14:33:04
		Total Time	0:07:30:00
		Logging Interval	900 seconds

Statistics	
	AEROSOL
Avg	0.211 mg/m^3
Max	0.670 mg/m^3
Max Date	01/16/2020
Max Time	12:33:04
Min	0.054 mg/m^3
Min Date	01/16/2020
Min Time	07:18:04
TWA (8 hr)	0.198
TWA Start Date	01/16/2020
TWA Start Time	07:03:04
TWA End Time	14:33:04

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
1	01/16/2020	07:18:04	0.054
2	01/16/2020	07:33:04	0.086
3	01/16/2020	07:48:04	0.552
4	01/16/2020	08:03:04	0.521
5	01/16/2020	08:18:04	0.246
6	01/16/2020	08:33:04	0.137
7	01/16/2020	08:48:04	0.120
8	01/16/2020	09:03:04	0.210
9	01/16/2020	09:18:04	0.255
10	01/16/2020	09:33:04	0.183
11	01/16/2020	09:48:04	0.134
12	01/16/2020	10:03:04	0.066
13	01/16/2020	10:18:04	0.074
14	01/16/2020	10:33:04	0.096
15	01/16/2020	10:48:04	0.145
16	01/16/2020	11:03:04	0.123
17	01/16/2020	11:18:04	0.195
18	01/16/2020	11:33:04	0.130
19	01/16/2020	11:48:04	0.106
20	01/16/2020	12:03:04	0.100
21	01/16/2020	12:18:04	0.353

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
22	01/16/2020	12:33:04	0.670
23	01/16/2020	12:48:04	0.362
24	01/16/2020	13:03:04	0.199
25	01/16/2020	13:18:04	0.213
26	01/16/2020	13:33:04	0.230
27	01/16/2020	13:48:04	0.200
28	01/16/2020	14:03:04	0.145
29	01/16/2020	14:18:04	0.184
30	01/16/2020	14:33:04	0.232

Complete Work Zone DustTrak Data

Yellow highlighted data indicate any work zone dust exceedance that was not caused by LaBella or drillers. Notes are added next to the data to indicate reasons and efforts made to decrease dust. Most of the dust was created by the framers and masons working alongside the drill rig. The LaBella representative on site routinely spoke and worked with the framers and masons to decrease their dust creation by vacuuming dust as they worked and or watering down their work place. Additionally, once dust was created it stayed suspended in the air for about a half hour at a time even with the windows open for ventilation.

****Please refer to the field notebook for more detailed explanations.****

January 2020
Workzone
DustTrak Data

Test 008

Instrument		Data Properties	
Model	DustTrak II	Start Date	01/20/2020
Instrument S/N	8530153316	Start Time	07:19:29
		Stop Date	01/20/2020
		Stop Time	15:34:29
		Total Time	0:08:15:00
		Logging Interval	900 seconds

Statistics	
	AEROSOL
Avg	0.243 mg/m^3
Max	0.797 mg/m^3
Max Date	01/20/2020
Max Time	12:04:29
Min	0.021 mg/m^3
Min Date	01/20/2020
Min Time	07:34:29
TWA (8 hr)	0.244
TWA Start Date	01/20/2020
TWA Start Time	07:19:29
TWA End Time	15:34:29

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
1	01/20/2020	07:34:29	0.021
2	01/20/2020	07:49:29	0.030
3	01/20/2020	08:04:29	0.031
4	01/20/2020	08:19:29	0.227
5	01/20/2020	08:34:29	0.325
6	01/20/2020	08:49:29	0.196
7	01/20/2020	09:04:29	0.123
8	01/20/2020	09:19:29	0.130
9	01/20/2020	09:34:29	0.079
10	01/20/2020	09:49:29	0.025
11	01/20/2020	10:04:29	0.028
12	01/20/2020	10:19:29	0.080
13	01/20/2020	10:34:29	0.057
14	01/20/2020	10:49:29	0.078
15	01/20/2020	11:04:29	0.057
16	01/20/2020	11:19:29	0.050
17	01/20/2020	11:34:29	0.097
18	01/20/2020	11:49:29	0.510
19	01/20/2020	12:04:29	0.797
20	01/20/2020	12:19:29	0.463
21	01/20/2020	12:34:29	0.144

Caused by masons in adjacent room. Dust seen leaving room. Construction Manager (CM) was alerted. Dust vacuums were deployed. At this point NO EXCAVATION OR DRILLING had occurred.

Caused by masons in adjacent room. Dust seen leaving room. CM alerted. Windows opened. DRILLING STARTED AT 1310.

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
22	01/20/2020	12:49:29	0.295
23	01/20/2020	13:04:29	0.354
24	01/20/2020	13:19:29	0.241
25	01/20/2020	13:34:29	0.383
26	01/20/2020	13:49:29	0.492
27	01/20/2020	14:04:29	0.564
28	01/20/2020	14:19:29	0.425
29	01/20/2020	14:34:29	0.310
30	01/20/2020	14:49:29	0.532
31	01/20/2020	15:04:29	0.360
32	01/20/2020	15:19:29	0.312
33	01/20/2020	15:34:29	0.212

Caused by masons in adjacent room. Dust seen leaving room. CM alerted. Windows opened. Adjacent room closed off. Dust still coming from seems of makeshift door. DRILLING STARTED AT 1310. Drillers wet soil and rig to make sure they were not creating dust. Visible dust not observed coming from drilling operations.

Test 009

Instrument		Data Properties	
Model	DustTrak II	Start Date	01/21/2020
Instrument S/N	8530153316	Start Time	07:16:03
		Stop Date	01/21/2020
		Stop Time	15:16:03
		Total Time	0:08:00:00
		Logging Interval	900 seconds

Statistics	
	AEROSOL
Avg	0.100 mg/m^3
Max	0.331 mg/m^3
Max Date	01/21/2020
Max Time	09:01:03
Min	0.025 mg/m^3
Min Date	01/21/2020
Min Time	07:46:03
TWA (8 hr)	0.100
TWA Start Date	01/21/2020
TWA Start Time	07:16:03
TWA End Time	15:16:03

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
1	01/21/2020	07:31:03	0.028
2	01/21/2020	07:46:03	0.025
3	01/21/2020	08:01:03	0.027
4	01/21/2020	08:16:03	0.067
5	01/21/2020	08:31:03	0.080
6	01/21/2020	08:46:03	0.262
7	01/21/2020	09:01:03	0.331
8	01/21/2020	09:16:03	0.243
9	01/21/2020	09:31:03	0.209
10	01/21/2020	09:46:03	0.116
11	01/21/2020	10:01:03	0.067
12	01/21/2020	10:16:03	0.067
13	01/21/2020	10:31:03	0.075
14	01/21/2020	10:46:03	0.091
15	01/21/2020	11:01:03	0.088
16	01/21/2020	11:16:03	0.087
17	01/21/2020	11:31:03	0.097
18	01/21/2020	11:46:03	0.096
19	01/21/2020	12:01:03	0.113
20	01/21/2020	12:16:03	0.105
21	01/21/2020	12:31:03	0.069

Caused by masons in adjacent room. Dust seen leaving room. CM alerted. Windows opened and CM worked with masons for better dust control.

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
22	01/21/2020	12:46:03	0.084
23	01/21/2020	13:01:03	0.086
24	01/21/2020	13:16:03	0.071
25	01/21/2020	13:31:03	0.048
26	01/21/2020	13:46:03	0.055
27	01/21/2020	14:01:03	0.035
28	01/21/2020	14:16:03	0.043
29	01/21/2020	14:31:03	0.190
30	01/21/2020	14:46:03	0.088
31	01/21/2020	15:01:03	0.077
32	01/21/2020	15:16:03	0.076

Caused by masons in adjacent room. A daSilva mentioned it to them and they added dust control. They forgot to hook up to dust vacuum.

Test 010

Instrument		Data Properties	
Model	DustTrak II	Start Date	01/22/2020
Instrument S/N	8530153316	Start Time	07:51:23
		Stop Date	01/22/2020
		Stop Time	09:36:23
		Total Time	0:01:45:00
		Logging Interval	900 seconds

Statistics	
	AEROSOL
Avg	0.135 mg/m^3
Max	8530.000 mg/m^3
Max Date	01/22/2020
Max Time	07:51:23
Min	0.066 mg/m^3
Min Date	01/22/2020
Min Time	08:06:23
TWA (8 hr)	0.029
TWA Start Date	01/22/2020
TWA Start Time	07:51:23
TWA End Time	09:36:23

Drillers not even on site at time. Caused by residual dust on DustTrak that was cleaned off.

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
1	01/22/2020	07:51:23	8530.000
2	01/22/2020	08:06:23	0.066
3	01/22/2020	08:21:23	0.077
4	01/22/2020	08:36:23	0.087
5	01/22/2020	08:51:23	0.131
6	01/22/2020	09:06:23	0.138
7	01/22/2020	09:21:23	0.178

Test 011

Instrument	
Model	DustTrak II
Instrument S/N	8530153316

Data Properties	
Start Date	01/22/2020
Start Time	09:49:02
Stop Date	01/22/2020
Stop Time	15:19:02
Total Time	0:05:30:00
Logging Interval	900 seconds

Statistics	
	AEROSOL
Avg	0.060 mg/m^3
Max	0.255 mg/m^3
Max Date	01/22/2020
Max Time	10:04:02
Min	0.036 mg/m^3
Min Date	01/22/2020
Min Time	14:19:02
TWA (8 hr)	0.041
TWA Start Date	01/22/2020
TWA Start Time	09:49:02
TWA End Time	15:19:02

Test Data

Data Point	Date	Time	AEROSOL mg/m^3
1	01/22/2020	10:04:02	0.255
2	01/22/2020	10:19:02	0.076
3	01/22/2020	10:34:02	0.056
4	01/22/2020	10:49:02	0.058
5	01/22/2020	11:04:02	0.052
6	01/22/2020	11:19:02	0.051
7	01/22/2020	11:34:02	0.055
8	01/22/2020	11:49:02	0.056
9	01/22/2020	12:04:02	0.054
10	01/22/2020	12:19:02	0.042
11	01/22/2020	12:34:02	0.063
12	01/22/2020	12:49:02	0.047
13	01/22/2020	13:04:02	0.043
14	01/22/2020	13:19:02	0.041
15	01/22/2020	13:34:02	0.044
16	01/22/2020	13:49:02	0.045
17	01/22/2020	14:04:02	0.040
18	01/22/2020	14:19:02	0.036
19	01/22/2020	14:34:02	0.040
20	01/22/2020	14:49:02	0.064
21	01/22/2020	15:04:02	0.054
22	01/22/2020	15:19:02	0.049

Caused by masons or moving of drums across floor. Additional windows opened for better ventilation.

Test 012

Instrument		Data Properties	
Model	DustTrak II	Start Date	01/23/2020
Instrument S/N	8530153316	Start Time	07:27:31
		Stop Date	01/23/2020
		Stop Time	15:27:31
		Total Time	0:08:00:00
		Logging Interval	900 seconds

Statistics	
	AEROSOL
Avg	0.069 mg/m^3
Max	0.215 mg/m^3
Max Date	01/23/2020
Max Time	13:42:31
Min	0.021 mg/m^3
Min Date	01/23/2020
Min Time	07:42:31
TWA (8 hr)	0.069
TWA Start Date	01/23/2020
TWA Start Time	07:27:31
TWA End Time	15:27:31

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
1	01/23/2020	07:42:31	0.021
2	01/23/2020	07:57:31	0.023
3	01/23/2020	08:12:31	0.029
4	01/23/2020	08:27:31	0.046
5	01/23/2020	08:42:31	0.045
6	01/23/2020	08:57:31	0.048
7	01/23/2020	09:12:31	0.043
8	01/23/2020	09:27:31	0.039
9	01/23/2020	09:42:31	0.047
10	01/23/2020	09:57:31	0.034
11	01/23/2020	10:12:31	0.042
12	01/23/2020	10:27:31	0.099
13	01/23/2020	10:42:31	0.098
14	01/23/2020	10:57:31	0.048
15	01/23/2020	11:12:31	0.075
16	01/23/2020	11:27:31	0.062
17	01/23/2020	11:42:31	0.068
18	01/23/2020	11:57:31	0.098
19	01/23/2020	12:12:31	0.091
20	01/23/2020	12:27:31	0.106
21	01/23/2020	12:42:31	0.063

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
22	01/23/2020	12:57:31	0.046
23	01/23/2020	13:12:31	0.168
24	01/23/2020	13:27:31	0.170
25	01/23/2020	13:42:31	0.215
26	01/23/2020	13:57:31	0.101
27	01/23/2020	14:12:31	0.055
28	01/23/2020	14:27:31	0.054
29	01/23/2020	14:42:31	0.045
30	01/23/2020	14:57:31	0.047
31	01/23/2020	15:12:31	0.043
32	01/23/2020	15:27:31	0.046

No exceedence based on baseline (first) reading of 0.021 mg/m^3.

At this time Drillers were setting up Decontamination pad for augers. Most likely when moving items out of the way, dust became airborne. After pad was set up, dust levels decreased. NOT CAUSED FROM DRILLING.

Test 013

Instrument		Data Properties	
Model	DustTrak II	Start Date	01/24/2020
Instrument S/N	8530153316	Start Time	07:45:47
		Stop Date	01/24/2020
		Stop Time	11:00:47
		Total Time	0:03:15:00
		Logging Interval	900 seconds

Statistics	
	AEROSOL
Avg	0.083 mg/m^3
Max	0.118 mg/m^3
Max Date	01/24/2020
Max Time	08:30:47
Min	0.055 mg/m^3
Min Date	01/24/2020
Min Time	08:00:47
TWA (8 hr)	0.034
TWA Start Date	01/24/2020
TWA Start Time	07:45:47
TWA End Time	11:00:47

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
1	01/24/2020	08:00:47	0.055
2	01/24/2020	08:15:47	0.090
3	01/24/2020	08:30:47	0.118
4	01/24/2020	08:45:47	0.081
5	01/24/2020	09:00:47	0.085
6	01/24/2020	09:15:47	0.093
7	01/24/2020	09:30:47	0.078
8	01/24/2020	09:45:47	0.070
9	01/24/2020	10:00:47	0.057
10	01/24/2020	10:15:47	0.068
11	01/24/2020	10:30:47	0.079
12	01/24/2020	10:45:47	0.095
13	01/24/2020	11:00:47	0.107

Test 014

Instrument		Data Properties	
Model	DustTrak II	Start Date	01/24/2020
Instrument S/N	8530153316	Start Time	11:04:51
		Stop Date	01/24/2020
		Stop Time	15:34:51
		Total Time	0:04:30:00
		Logging Interval	900 seconds

Statistics	
	AEROSOL
Avg	0.088 mg/m^3
Max	0.110 mg/m^3
Max Date	01/24/2020
Max Time	12:04:51
Min	0.073 mg/m^3
Min Date	01/24/2020
Min Time	15:34:51
TWA (8 hr)	0.050
TWA Start Date	01/24/2020
TWA Start Time	11:04:51
TWA End Time	15:34:51

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
1	01/24/2020	11:19:51	0.077
2	01/24/2020	11:34:51	0.074
3	01/24/2020	11:49:51	0.087
4	01/24/2020	12:04:51	0.110
5	01/24/2020	12:19:51	0.099
6	01/24/2020	12:34:51	0.088
7	01/24/2020	12:49:51	0.097
8	01/24/2020	13:04:51	0.094
9	01/24/2020	13:19:51	0.092
10	01/24/2020	13:34:51	0.081
11	01/24/2020	13:49:51	0.088
12	01/24/2020	14:04:51	0.085
13	01/24/2020	14:19:51	0.093
14	01/24/2020	14:34:51	0.107
15	01/24/2020	14:49:51	0.089
16	01/24/2020	15:04:51	0.080
17	01/24/2020	15:19:51	0.079
18	01/24/2020	15:34:51	0.073

Test 015

Instrument		Data Properties	
Model	DustTrak II	Start Date	01/27/2020
Instrument S/N	8530153316	Start Time	08:24:48
		Stop Date	01/27/2020
		Stop Time	15:24:48
		Total Time	0:07:00:00
		Logging Interval	900 seconds

Statistics	
	AEROSOL
Avg	0.046 mg/m^3
Max	0.127 mg/m^3
Max Date	01/27/2020
Max Time	08:54:48
Min	0.018 mg/m^3
Min Date	01/27/2020
Min Time	14:39:48
TWA (8 hr)	0.040
TWA Start Date	01/27/2020
TWA Start Time	08:24:48
TWA End Time	15:24:48

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
1	01/27/2020	08:39:48	0.107
2	01/27/2020	08:54:48	0.127
3	01/27/2020	09:09:48	0.070
4	01/27/2020	09:24:48	0.060
5	01/27/2020	09:39:48	0.075
6	01/27/2020	09:54:48	0.042
7	01/27/2020	10:09:48	0.042
8	01/27/2020	10:24:48	0.034
9	01/27/2020	10:39:48	0.052
10	01/27/2020	10:54:48	0.103
11	01/27/2020	11:09:48	0.057
12	01/27/2020	11:24:48	0.033
13	01/27/2020	11:39:48	0.032
14	01/27/2020	11:54:48	0.032
15	01/27/2020	12:09:48	0.029
16	01/27/2020	12:24:48	0.024
17	01/27/2020	12:39:48	0.023
18	01/27/2020	12:54:48	0.028
19	01/27/2020	13:09:48	0.033
20	01/27/2020	13:24:48	0.036
21	01/27/2020	13:39:48	0.039

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
22	01/27/2020	13:54:48	0.023
23	01/27/2020	14:09:48	0.026
24	01/27/2020	14:24:48	0.022
25	01/27/2020	14:39:48	0.018
26	01/27/2020	14:54:48	0.021
27	01/27/2020	15:09:48	0.034
28	01/27/2020	15:24:48	0.060

Test 016

Instrument		Data Properties	
Model	DustTrak II	Start Date	01/28/2020
Instrument S/N	8530153316	Start Time	08:53:27
		Stop Date	01/28/2020
		Stop Time	15:38:27
		Total Time	0:06:45:00
		Logging Interval	900 seconds

Statistics	
	AEROSOL
Avg	0.037 mg/m^3
Max	0.065 mg/m^3
Max Date	01/28/2020
Max Time	13:38:27
Min	0.019 mg/m^3
Min Date	01/28/2020
Min Time	12:53:27
TWA (8 hr)	0.031
TWA Start Date	01/28/2020
TWA Start Time	08:53:27
TWA End Time	15:38:27

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
1	01/28/2020	09:08:27	0.046
2	01/28/2020	09:23:27	0.052
3	01/28/2020	09:38:27	0.031
4	01/28/2020	09:53:27	0.040
5	01/28/2020	10:08:27	0.030
6	01/28/2020	10:23:27	0.030
7	01/28/2020	10:38:27	0.031
8	01/28/2020	10:53:27	0.026
9	01/28/2020	11:08:27	0.031
10	01/28/2020	11:23:27	0.046
11	01/28/2020	11:38:27	0.056
12	01/28/2020	11:53:27	0.041
13	01/28/2020	12:08:27	0.036
14	01/28/2020	12:23:27	0.024
15	01/28/2020	12:38:27	0.023
16	01/28/2020	12:53:27	0.019
17	01/28/2020	13:08:27	0.029
18	01/28/2020	13:23:27	0.052
19	01/28/2020	13:38:27	0.065
20	01/28/2020	13:53:27	0.032
21	01/28/2020	14:08:27	0.029

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
22	01/28/2020	14:23:27	0.036
23	01/28/2020	14:38:27	0.034
24	01/28/2020	14:53:27	0.042
25	01/28/2020	15:08:27	0.048
26	01/28/2020	15:23:27	0.029
27	01/28/2020	15:38:27	0.034

Test 017

Instrument		Data Properties	
Model	DustTrak II	Start Date	01/29/2020
Instrument S/N	8530153316	Start Time	08:27:12
		Stop Date	01/29/2020
		Stop Time	15:12:12
		Total Time	0:06:45:00
		Logging Interval	900 seconds

Statistics	
	AEROSOL
Avg	0.070 mg/m^3
Max	0.179 mg/m^3
Max Date	01/29/2020
Max Time	09:57:12
Min	0.014 mg/m^3
Min Date	01/29/2020
Min Time	11:57:12
TWA (8 hr)	0.059
TWA Start Date	01/29/2020
TWA Start Time	08:27:12
TWA End Time	15:12:12

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
1	01/29/2020	08:42:12	0.071
2	01/29/2020	08:57:12	0.044
3	01/29/2020	09:12:12	0.110
4	01/29/2020	09:27:12	0.094
5	01/29/2020	09:42:12	0.137
6	01/29/2020	09:57:12	0.179
7	01/29/2020	10:12:12	0.158
8	01/29/2020	10:27:12	0.056
9	01/29/2020	10:42:12	0.045
10	01/29/2020	10:57:12	0.092
11	01/29/2020	11:12:12	0.082
12	01/29/2020	11:27:12	0.024
13	01/29/2020	11:42:12	0.027
14	01/29/2020	11:57:12	0.014
15	01/29/2020	12:12:12	0.032
16	01/29/2020	12:27:12	0.077
17	01/29/2020	12:42:12	0.122
18	01/29/2020	12:57:12	0.106
19	01/29/2020	13:12:12	0.100
20	01/29/2020	13:27:12	0.063
21	01/29/2020	13:42:12	0.033

CM scooping crushed stone into sump causing visible dust in air throughout indoor area.

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
22	01/29/2020	13:57:12	0.028
23	01/29/2020	14:12:12	0.031
24	01/29/2020	14:27:12	0.034
25	01/29/2020	14:42:12	0.053
26	01/29/2020	14:57:12	0.041
27	01/29/2020	15:12:12	0.035

Test 018

Instrument		Data Properties	
Model	DustTrak II	Start Date	01/30/2020
Instrument S/N	8530153316	Start Time	07:49:57
		Stop Date	01/30/2020
		Stop Time	15:34:57
		Total Time	0:07:45:00
		Logging Interval	900 seconds

Statistics	
	AEROSOL
Avg	0.075 mg/m^3
Max	0.150 mg/m^3
Max Date	01/30/2020
Max Time	14:04:57
Min	0.039 mg/m^3
Min Date	01/30/2020
Min Time	12:34:57
TWA (8 hr)	0.072
TWA Start Date	01/30/2020
TWA Start Time	07:49:57
TWA End Time	15:34:57

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
1	01/30/2020	08:04:57	0.053
2	01/30/2020	08:19:57	0.050
3	01/30/2020	08:34:57	0.125
4	01/30/2020	08:49:57	0.107
5	01/30/2020	09:04:57	0.053
6	01/30/2020	09:19:57	0.047
7	01/30/2020	09:34:57	0.044
8	01/30/2020	09:49:57	0.046
9	01/30/2020	10:04:57	0.067
10	01/30/2020	10:19:57	0.057
11	01/30/2020	10:34:57	0.078
12	01/30/2020	10:49:57	0.070
13	01/30/2020	11:04:57	0.060
14	01/30/2020	11:19:57	0.049
15	01/30/2020	11:34:57	0.052
16	01/30/2020	11:49:57	0.084
17	01/30/2020	12:04:57	0.083
18	01/30/2020	12:19:57	0.086
19	01/30/2020	12:34:57	0.039
20	01/30/2020	12:49:57	0.039
21	01/30/2020	13:04:57	0.097

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
22	01/30/2020	13:19:57	0.097
23	01/30/2020	13:34:57	0.072
24	01/30/2020	13:49:57	0.124
25	01/30/2020	14:04:57	0.150
26	01/30/2020	14:19:57	0.107
27	01/30/2020	14:34:57	0.061
28	01/30/2020	14:49:57	0.073
29	01/30/2020	15:04:57	0.088
30	01/30/2020	15:19:57	0.086
31	01/30/2020	15:34:57	0.076

Not an exceedance with background at 0.053 mg/m^3.

Test 019

Instrument		Data Properties	
Model	DustTrak II	Start Date	01/31/2020
Instrument S/N	8530153316	Start Time	07:29:24
		Stop Date	01/31/2020
		Stop Time	15:44:24
		Total Time	0:08:15:00
		Logging Interval	900 seconds

Statistics	
	AEROSOL
Avg	0.057 mg/m^3
Max	0.086 mg/m^3
Max Date	01/31/2020
Max Time	13:29:24
Min	0.041 mg/m^3
Min Date	01/31/2020
Min Time	09:59:24
TWA (8 hr)	0.000
TWA Start Date	01/31/2020
TWA Start Time	07:29:24
TWA End Time	15:44:24

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
1	01/31/2020	07:44:24	0.047
2	01/31/2020	07:59:24	0.048
3	01/31/2020	08:14:24	0.044
4	01/31/2020	08:29:24	0.059
5	01/31/2020	08:44:24	0.072
6	01/31/2020	08:59:24	0.078
7	01/31/2020	09:14:24	0.049
8	01/31/2020	09:29:24	0.049
9	01/31/2020	09:44:24	0.057
10	01/31/2020	09:59:24	0.041
11	01/31/2020	10:14:24	0.059
12	01/31/2020	10:29:24	0.058
13	01/31/2020	10:44:24	0.064
14	01/31/2020	10:59:24	0.053
15	01/31/2020	11:14:24	0.064
16	01/31/2020	11:29:24	0.074
17	01/31/2020	11:44:24	0.076
18	01/31/2020	11:59:24	0.061
19	01/31/2020	12:14:24	0.049
20	01/31/2020	12:29:24	0.049
21	01/31/2020	12:44:24	0.070

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
22	01/31/2020	12:59:24	0.058
23	01/31/2020	13:14:24	0.071
24	01/31/2020	13:29:24	0.086
25	01/31/2020	13:44:24	0.065
26	01/31/2020	13:59:24	0.051
27	01/31/2020	14:14:24	0.062
28	01/31/2020	14:29:24	0.046
29	01/31/2020	14:44:24	0.065
30	01/31/2020	14:59:24	0.060
31	01/31/2020	15:14:24	0.055
32	01/31/2020	15:29:24	0.049
33	01/31/2020	15:44:24	0.046

February 2020
Workzone
DustTrak Data

Test 020

Instrument		Data Properties	
Model	DustTrak II	Start Date	02/03/2020
Instrument S/N	8530153316	Start Time	07:41:19
		Stop Date	02/03/2020
		Stop Time	15:26:19
		Total Time	0:07:45:00
		Logging Interval	900 seconds

Statistics	
	AEROSOL
Avg	0.102 mg/m^3
Max	0.339 mg/m^3
Max Date	02/03/2020
Max Time	11:41:19
Min	0.025 mg/m^3
Min Date	02/03/2020
Min Time	09:56:19
TWA (8 hr)	0.099
TWA Start Date	02/03/2020
TWA Start Time	07:41:19
TWA End Time	15:26:19

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
1	02/03/2020	07:56:19	0.095
2	02/03/2020	08:11:19	0.073
3	02/03/2020	08:26:19	0.061
4	02/03/2020	08:41:19	0.056
5	02/03/2020	08:56:19	0.041
6	02/03/2020	09:11:19	0.047
7	02/03/2020	09:26:19	0.054
8	02/03/2020	09:41:19	0.038
9	02/03/2020	09:56:19	0.025
10	02/03/2020	10:11:19	0.054
11	02/03/2020	10:26:19	0.241
12	02/03/2020	10:41:19	0.175
13	02/03/2020	10:56:19	0.120
14	02/03/2020	11:11:19	0.154
15	02/03/2020	11:26:19	0.101
16	02/03/2020	11:41:19	0.339
17	02/03/2020	11:56:19	0.097
18	02/03/2020	12:11:19	0.032
19	02/03/2020	12:26:19	0.028
20	02/03/2020	12:41:19	0.143
21	02/03/2020	12:56:19	0.100

Caused by masons saw cutting concrete with minimal water. A daSilva spoke with them to use a hose to spray while cutting to decrease dust.

Caused by saw core of wooden floor overhead from plumbers/electricians. Saw dust fell down around CAMP.

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
22	02/03/2020	13:11:19	0.084
23	02/03/2020	13:26:19	0.118
24	02/03/2020	13:41:19	0.144
25	02/03/2020	13:56:19	0.121
26	02/03/2020	14:11:19	0.133
27	02/03/2020	14:26:19	0.176
28	02/03/2020	14:41:19	0.097
29	02/03/2020	14:56:19	0.074
30	02/03/2020	15:11:19	0.079
31	02/03/2020	15:26:19	0.067

Caused by contractor jack hammering concrete stairs. A daSilva spoke with the workers and they heavily wetted steps before hammering again.

Test 021

Instrument		Data Properties	
Model	DustTrak II	Start Date	02/04/2020
Instrument S/N	8530153316	Start Time	07:18:49
		Stop Date	02/04/2020
		Stop Time	15:18:49
		Total Time	0:08:00:00
		Logging Interval	900 seconds

Statistics	
	AEROSOL
Avg	0.103 mg/m^3
Max	0.183 mg/m^3
Max Date	02/04/2020
Max Time	15:18:49
Min	0.044 mg/m^3
Min Date	02/04/2020
Min Time	12:33:49
TWA (8 hr)	0.103
TWA Start Date	02/04/2020
TWA Start Time	07:18:49
TWA End Time	15:18:49

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
1	02/04/2020	07:33:49	0.119
2	02/04/2020	07:48:49	0.087
3	02/04/2020	08:03:49	0.115
4	02/04/2020	08:18:49	0.138
5	02/04/2020	08:33:49	0.119
6	02/04/2020	08:48:49	0.119
7	02/04/2020	09:03:49	0.102
8	02/04/2020	09:18:49	0.066
9	02/04/2020	09:33:49	0.067
10	02/04/2020	09:48:49	0.088
11	02/04/2020	10:03:49	0.109
12	02/04/2020	10:18:49	0.105
13	02/04/2020	10:33:49	0.090
14	02/04/2020	10:48:49	0.134
15	02/04/2020	11:03:49	0.089
16	02/04/2020	11:18:49	0.102
17	02/04/2020	11:33:49	0.130
18	02/04/2020	11:48:49	0.146
19	02/04/2020	12:03:49	0.085
20	02/04/2020	12:18:49	0.053
21	02/04/2020	12:33:49	0.044

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
22	02/04/2020	12:48:49	0.049
23	02/04/2020	13:03:49	0.146
24	02/04/2020	13:18:49	0.082
25	02/04/2020	13:33:49	0.071
26	02/04/2020	13:48:49	0.079
27	02/04/2020	14:03:49	0.046
28	02/04/2020	14:18:49	0.107
29	02/04/2020	14:33:49	0.108
30	02/04/2020	14:48:49	0.140
31	02/04/2020	15:03:49	0.164
32	02/04/2020	15:18:49	0.183

Caused by the demolition of concrete stairs, in addition to masons using angle grinder on concrete. NO DRILLING AT THIS TIME.

Test 022

Instrument		Data Properties	
Model	DustTrak II	Start Date	02/05/2020
Instrument S/N	8530153316	Start Time	07:24:50
		Stop Date	02/05/2020
		Stop Time	15:39:50
		Total Time	0:08:15:00
		Logging Interval	900 seconds

Statistics	
	AEROSOL
Avg	0.075 mg/m^3
Max	0.194 mg/m^3
Max Date	02/05/2020
Max Time	15:09:50
Min	0.032 mg/m^3
Min Date	02/05/2020
Min Time	07:39:50
TWA (8 hr)	0.076
TWA Start Date	02/05/2020
TWA Start Time	07:24:50
TWA End Time	15:39:50

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
1	02/05/2020	07:39:50	0.032
2	02/05/2020	07:54:50	0.080
3	02/05/2020	08:09:50	0.045
4	02/05/2020	08:24:50	0.037
5	02/05/2020	08:39:50	0.097
6	02/05/2020	08:54:50	0.068
7	02/05/2020	09:09:50	0.079
8	02/05/2020	09:24:50	0.106
9	02/05/2020	09:39:50	0.130
10	02/05/2020	09:54:50	0.035
11	02/05/2020	10:09:50	0.053
12	02/05/2020	10:24:50	0.043
13	02/05/2020	10:39:50	0.065
14	02/05/2020	10:54:50	0.047
15	02/05/2020	11:09:50	0.035
16	02/05/2020	11:24:50	0.089
17	02/05/2020	11:39:50	0.055
18	02/05/2020	11:54:50	0.051
19	02/05/2020	12:09:50	0.042
20	02/05/2020	12:24:50	0.035
21	02/05/2020	12:39:50	0.056

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
22	02/05/2020	12:54:50	0.057
23	02/05/2020	13:09:50	0.068
24	02/05/2020	13:24:50	0.107
25	02/05/2020	13:39:50	0.084
26	02/05/2020	13:54:50	0.121
27	02/05/2020	14:09:50	0.098
28	02/05/2020	14:24:50	0.096
29	02/05/2020	14:39:50	0.088
30	02/05/2020	14:54:50	0.138
31	02/05/2020	15:09:50	0.194
32	02/05/2020	15:24:50	0.098
33	02/05/2020	15:39:50	0.056

Caused by sweeping from electrician.

Test 023

Instrument		Data Properties	
Model	DustTrak II	Start Date	02/06/2020
Instrument S/N	8530153316	Start Time	08:03:52
		Stop Date	02/06/2020
		Stop Time	15:33:52
		Total Time	0:07:30:00
		Logging Interval	900 seconds

Statistics	
	AEROSOL
Avg	0.093 mg/m^3
Max	0.183 mg/m^3
Max Date	02/06/2020
Max Time	11:48:52
Min	0.042 mg/m^3
Min Date	02/06/2020
Min Time	12:48:52
TWA (8 hr)	0.087
TWA Start Date	02/06/2020
TWA Start Time	08:03:52
TWA End Time	15:33:52

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
1	02/06/2020	08:18:52	0.085
2	02/06/2020	08:33:52	0.054
3	02/06/2020	08:48:52	0.068
4	02/06/2020	09:03:52	0.074
5	02/06/2020	09:18:52	0.075
6	02/06/2020	09:33:52	0.159
7	02/06/2020	09:48:52	0.158
8	02/06/2020	10:03:52	0.086
9	02/06/2020	10:18:52	0.102
10	02/06/2020	10:33:52	0.114
11	02/06/2020	10:48:52	0.053
12	02/06/2020	11:03:52	0.082
13	02/06/2020	11:18:52	0.115
14	02/06/2020	11:33:52	0.120
15	02/06/2020	11:48:52	0.183
16	02/06/2020	12:03:52	0.110
17	02/06/2020	12:18:52	0.052
18	02/06/2020	12:33:52	0.080
19	02/06/2020	12:48:52	0.042
20	02/06/2020	13:03:52	0.052
21	02/06/2020	13:18:52	0.042

Not exceedance based on baseline level of 0.085mg/m^3 prior to drilling. However, A daSilva opened additional plywood windows to aid in ventilation.

Caused by drillers securing rig to concrete floor by bolting it down. Dust was most likely concrete dust. Decreased after four holes were drilled into the concrete.

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
22	02/06/2020	13:33:52	0.048
23	02/06/2020	13:48:52	0.062
24	02/06/2020	14:03:52	0.070
25	02/06/2020	14:18:52	0.077
26	02/06/2020	14:33:52	0.152
27	02/06/2020	14:48:52	0.084
28	02/06/2020	15:03:52	0.071
29	02/06/2020	15:18:52	0.178
30	02/06/2020	15:33:52	0.131

Not exceedance based on baseline level of 0.085mg/m^3 prior to drilling. Spike possibly due to sweeping or concrete cutting from masons.

Not exceedance based on baseline level of 0.085mg/m^3 prior to drilling. Spike possibly due to sweeping or concrete cutting from masons.

Test 024

Instrument		Data Properties	
Model	DustTrak II	Start Date	02/07/2020
Instrument S/N	8530153316	Start Time	07:27:11
		Stop Date	02/07/2020
		Stop Time	14:42:11
		Total Time	0:07:15:00
		Logging Interval	900 seconds

Statistics	
	AEROSOL
Avg	0.058 mg/m^3
Max	0.133 mg/m^3
Max Date	02/07/2020
Max Time	11:12:11
Min	0.023 mg/m^3
Min Date	02/07/2020
Min Time	12:42:11
TWA (8 hr)	0.053
TWA Start Date	02/07/2020
TWA Start Time	07:27:11
TWA End Time	14:42:11

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
1	02/07/2020	07:42:11	0.058
2	02/07/2020	07:57:11	0.043
3	02/07/2020	08:12:11	0.045
4	02/07/2020	08:27:11	0.052
5	02/07/2020	08:42:11	0.116
6	02/07/2020	08:57:11	0.127
7	02/07/2020	09:12:11	0.072
8	02/07/2020	09:27:11	0.044
9	02/07/2020	09:42:11	0.046
10	02/07/2020	09:57:11	0.046
11	02/07/2020	10:12:11	0.097
12	02/07/2020	10:27:11	0.037
13	02/07/2020	10:42:11	0.030
14	02/07/2020	10:57:11	0.049
15	02/07/2020	11:12:11	0.133
16	02/07/2020	11:27:11	0.046
17	02/07/2020	11:42:11	0.033
18	02/07/2020	11:57:11	0.046
19	02/07/2020	12:12:11	0.033
20	02/07/2020	12:27:11	0.039
21	02/07/2020	12:42:11	0.023

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
22	02/07/2020	12:57:11	0.076
23	02/07/2020	13:12:11	0.079
24	02/07/2020	13:27:11	0.048
25	02/07/2020	13:42:11	0.034
26	02/07/2020	13:57:11	0.049
27	02/07/2020	14:12:11	0.039
28	02/07/2020	14:27:11	0.097
29	02/07/2020	14:42:11	0.054

Test 025

Instrument		Data Properties	
Model	DustTrak II	Start Date	02/11/2020
Instrument S/N	8530153316	Start Time	07:17:33
		Stop Date	02/11/2020
		Stop Time	15:47:33
		Total Time	0:08:30:00
		Logging Interval	900 seconds

Statistics	
	AEROSOL
Avg	0.086 mg/m^3
Max	0.196 mg/m^3
Max Date	02/11/2020
Max Time	08:17:33
Min	0.043 mg/m^3
Min Date	02/11/2020
Min Time	11:17:33
TWA (8 hr)	0.085
TWA Start Date	02/11/2020
TWA Start Time	07:17:33
TWA End Time	15:47:33

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
1	02/11/2020	07:32:33	0.098
2	02/11/2020	07:47:33	0.092
3	02/11/2020	08:02:33	0.130
4	02/11/2020	08:17:33	0.196
5	02/11/2020	08:32:33	0.063
6	02/11/2020	08:47:33	0.101
7	02/11/2020	09:02:33	0.162
8	02/11/2020	09:17:33	0.075
9	02/11/2020	09:32:33	0.086
10	02/11/2020	09:47:33	0.055
11	02/11/2020	10:02:33	0.058
12	02/11/2020	10:17:33	0.058
13	02/11/2020	10:32:33	0.188
14	02/11/2020	10:47:33	0.044
15	02/11/2020	11:02:33	0.053
16	02/11/2020	11:17:33	0.043
17	02/11/2020	11:32:33	0.047
18	02/11/2020	11:47:33	0.053
19	02/11/2020	12:02:33	0.047
20	02/11/2020	12:17:33	0.051
21	02/11/2020	12:32:33	0.055

Not exceedance based on baseline level of 0.098mg/m^3 prior to drilling. Spike possibly due to sweeping or concrete cutting from masons. RIG WAS OFF AT TIME TO FIX CO LEAK IN LINE.

Not exceedance based on baseline level of 0.098mg/m^3 prior to drilling. Spike possibly due to sweeping or concrete cutting from masons as masons dust creation appeared to be high throughout day.

Not exceedance based on baseline level of 0.098mg/m^3 prior to drilling. Spike possibly due to sweeping or concrete cutting from masons as masons dust creation appeared to be high throughout day. ALL DRILLING SOIL WAS WET AND AUGER MOVEMENT WAS SLOW.

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
22	02/11/2020	12:47:33	0.080
23	02/11/2020	13:02:33	0.072
24	02/11/2020	13:17:33	0.068
25	02/11/2020	13:32:33	0.092
26	02/11/2020	13:47:33	0.093
27	02/11/2020	14:02:33	0.097
28	02/11/2020	14:17:33	0.094
29	02/11/2020	14:32:33	0.110
30	02/11/2020	14:47:33	0.085
31	02/11/2020	15:02:33	0.086
32	02/11/2020	15:17:33	0.091
33	02/11/2020	15:32:33	0.088
34	02/11/2020	15:47:33	0.100

Test 026

Instrument		Data Properties	
Model	DustTrak II	Start Date	02/12/2020
Instrument S/N	8530153316	Start Time	07:18:23
		Stop Date	02/12/2020
		Stop Time	15:33:23
		Total Time	0:08:15:00
		Logging Interval	900 seconds

Statistics	
	AEROSOL
Avg	0.063 mg/m^3
Max	0.296 mg/m^3
Max Date	02/12/2020
Max Time	08:48:23
Min	0.029 mg/m^3
Min Date	02/12/2020
Min Time	15:03:23
TWA (8 hr)	0.063
TWA Start Date	02/12/2020
TWA Start Time	07:18:23
TWA End Time	15:33:23

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
1	02/12/2020	07:33:23	0.051
2	02/12/2020	07:48:23	0.057
3	02/12/2020	08:03:23	0.063
4	02/12/2020	08:18:23	0.060
5	02/12/2020	08:33:23	0.067
6	02/12/2020	08:48:23	0.296
7	02/12/2020	09:03:23	0.070
8	02/12/2020	09:18:23	0.066
9	02/12/2020	09:33:23	0.065
10	02/12/2020	09:48:23	0.055
11	02/12/2020	10:03:23	0.047
12	02/12/2020	10:18:23	0.060
13	02/12/2020	10:33:23	0.075
14	02/12/2020	10:48:23	0.061
15	02/12/2020	11:03:23	0.162
16	02/12/2020	11:18:23	0.062
17	02/12/2020	11:33:23	0.070
18	02/12/2020	11:48:23	0.050
19	02/12/2020	12:03:23	0.045
20	02/12/2020	12:18:23	0.041
21	02/12/2020	12:33:23	0.038

Caused by concrete mixing from masons. NOT FROM DRILLING. An additional plywood window was opened for more ventilation.

Caused by strong winds pushing dust through south west plywood window. It became very windy outside that day.

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
22	02/12/2020	12:48:23	0.068
23	02/12/2020	13:03:23	0.052
24	02/12/2020	13:18:23	0.060
25	02/12/2020	13:33:23	0.044
26	02/12/2020	13:48:23	0.043
27	02/12/2020	14:03:23	0.039
28	02/12/2020	14:18:23	0.037
29	02/12/2020	14:33:23	0.037
30	02/12/2020	14:48:23	0.030
31	02/12/2020	15:03:23	0.029
32	02/12/2020	15:18:23	0.031
33	02/12/2020	15:33:23	0.032

Test 027

Instrument		Data Properties	
Model	DustTrak II	Start Date	02/13/2020
Instrument S/N	8530153316	Start Time	07:12:05
		Stop Date	02/13/2020
		Stop Time	15:42:05
		Total Time	0:08:30:00
		Logging Interval	900 seconds

Statistics	
	AEROSOL
Avg	0.093 mg/m^3
Max	0.204 mg/m^3
Max Date	02/13/2020
Max Time	08:42:05
Min	0.055 mg/m^3
Min Date	02/13/2020
Min Time	07:27:05
TWA (8 hr)	0.092
TWA Start Date	02/13/2020
TWA Start Time	07:12:05
TWA End Time	15:42:05

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
1	02/13/2020	07:27:05	0.055
2	02/13/2020	07:42:05	0.078
3	02/13/2020	07:57:05	0.095
4	02/13/2020	08:12:05	0.073
5	02/13/2020	08:27:05	0.139
6	02/13/2020	08:42:05	0.204
7	02/13/2020	08:57:05	0.101
8	02/13/2020	09:12:05	0.150
9	02/13/2020	09:27:05	0.103
10	02/13/2020	09:42:05	0.098
11	02/13/2020	09:57:05	0.069
12	02/13/2020	10:12:05	0.068
13	02/13/2020	10:27:05	0.098
14	02/13/2020	10:42:05	0.084
15	02/13/2020	10:57:05	0.098
16	02/13/2020	11:12:05	0.119
17	02/13/2020	11:27:05	0.071
18	02/13/2020	11:42:05	0.084
19	02/13/2020	11:57:05	0.079
20	02/13/2020	12:12:05	0.072
21	02/13/2020	12:27:05	0.055

Caused by masons prior to drilling. NOT FROM DRILLING.

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
22	02/13/2020	12:42:05	0.073
23	02/13/2020	12:57:05	0.105
24	02/13/2020	13:12:05	0.109
25	02/13/2020	13:27:05	0.070
26	02/13/2020	13:42:05	0.092
27	02/13/2020	13:57:05	0.087
28	02/13/2020	14:12:05	0.126
29	02/13/2020	14:27:05	0.066
30	02/13/2020	14:42:05	0.067
31	02/13/2020	14:57:05	0.064
32	02/13/2020	15:12:05	0.084
33	02/13/2020	15:27:05	0.134
34	02/13/2020	15:42:05	0.099

Test 028

Instrument		Data Properties	
Model	DustTrak II	Start Date	02/14/2020
Instrument S/N	8530153316	Start Time	07:36:03
		Stop Date	02/14/2020
		Stop Time	15:21:03
		Total Time	0:07:45:00
		Logging Interval	900 seconds

Statistics	
	AEROSOL
Avg	0.069 mg/m^3
Max	0.450 mg/m^3
Max Date	02/14/2020
Max Time	08:36:03
Min	0.020 mg/m^3
Min Date	02/14/2020
Min Time	12:21:03
TWA (8 hr)	0.067
TWA Start Date	02/14/2020
TWA Start Time	07:36:03
TWA End Time	15:21:03

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
1	02/14/2020	07:51:03	0.050
2	02/14/2020	08:06:03	0.240
3	02/14/2020	08:21:03	0.189
4	02/14/2020	08:36:03	0.450
5	02/14/2020	08:51:03	0.167
6	02/14/2020	09:06:03	0.099
7	02/14/2020	09:21:03	0.105
8	02/14/2020	09:36:03	0.050
9	02/14/2020	09:51:03	0.026
10	02/14/2020	10:06:03	0.021
11	02/14/2020	10:21:03	0.025
12	02/14/2020	10:36:03	0.027
13	02/14/2020	10:51:03	0.021
14	02/14/2020	11:06:03	0.027
15	02/14/2020	11:21:03	0.067
16	02/14/2020	11:36:03	0.027
17	02/14/2020	11:51:03	0.028
18	02/14/2020	12:06:03	0.050
19	02/14/2020	12:21:03	0.020
20	02/14/2020	12:36:03	0.026
21	02/14/2020	12:51:03	0.027

Caused by masons wet cutting concrete. Even though it was wet cut, the saw was still throwing up dust. A daSilva sprayed the hose on all surfaces and the dust started to decrease. Dust remained suspended in air for a while. NOT FROM DRILLING - drillers were bringing in bagged sand and equipment most of this time. Drilling started at 0845.

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
22	02/14/2020	13:06:03	0.041
23	02/14/2020	13:21:03	0.029
24	02/14/2020	13:36:03	0.023
25	02/14/2020	13:51:03	0.034
26	02/14/2020	14:06:03	0.050
27	02/14/2020	14:21:03	0.049
28	02/14/2020	14:36:03	0.039
29	02/14/2020	14:51:03	0.065
30	02/14/2020	15:06:03	0.048
31	02/14/2020	15:21:03	0.031

Test 029

Instrument		Data Properties	
Model	DustTrak II	Start Date	02/17/2020
Instrument S/N	8530153316	Start Time	07:22:00
		Stop Date	02/17/2020
		Stop Time	14:07:00
		Total Time	0:06:45:00
		Logging Interval	900 seconds

Statistics	
	AEROSOL
Avg	0.077 mg/m^3
Max	0.416 mg/m^3
Max Date	02/17/2020
Max Time	11:07:00
Min	0.026 mg/m^3
Min Date	02/17/2020
Min Time	12:22:00
TWA (8 hr)	0.065
TWA Start Date	02/17/2020
TWA Start Time	07:22:00
TWA End Time	14:07:00

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
1	02/17/2020	07:37:00	0.055
2	02/17/2020	07:52:00	0.057
3	02/17/2020	08:07:00	0.031
4	02/17/2020	08:22:00	0.044
5	02/17/2020	08:37:00	0.053
6	02/17/2020	08:52:00	0.046
7	02/17/2020	09:07:00	0.061
8	02/17/2020	09:22:00	0.050
9	02/17/2020	09:37:00	0.050
10	02/17/2020	09:52:00	0.043
11	02/17/2020	10:07:00	0.036
12	02/17/2020	10:22:00	0.050
13	02/17/2020	10:37:00	0.077
14	02/17/2020	10:52:00	0.190
15	02/17/2020	11:07:00	0.416
16	02/17/2020	11:22:00	0.162
17	02/17/2020	11:37:00	0.169
18	02/17/2020	11:52:00	0.084
19	02/17/2020	12:07:00	0.070
20	02/17/2020	12:22:00	0.026
21	02/17/2020	12:37:00	0.038

Caused by framers sweeping when laying down the wall frame lines. A daSilva opened additional plywood windows to aid in ventilation. NOT CAUSED BY DRILLING.

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
22	02/17/2020	12:52:00	0.043
23	02/17/2020	13:07:00	0.042
24	02/17/2020	13:22:00	0.040
25	02/17/2020	13:37:00	0.048
26	02/17/2020	13:52:00	0.048
27	02/17/2020	14:07:00	0.038

Test 030

Instrument		Data Properties	
Model	DustTrak II	Start Date	02/18/2020
Instrument S/N	8530153316	Start Time	07:32:38
		Stop Date	02/18/2020
		Stop Time	15:32:38
		Total Time	0:08:00:00
		Logging Interval	900 seconds

Statistics	
	AEROSOL
Avg	0.057 mg/m^3
Max	0.176 mg/m^3
Max Date	02/18/2020
Max Time	07:47:38
Min	0.026 mg/m^3
Min Date	02/18/2020
Min Time	13:17:38
TWA (8 hr)	0.057
TWA Start Date	02/18/2020
TWA Start Time	07:32:38
TWA End Time	15:32:38

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
1	02/18/2020	07:47:38	0.176
2	02/18/2020	08:02:38	0.122
3	02/18/2020	08:17:38	0.163
4	02/18/2020	08:32:38	0.075
5	02/18/2020	08:47:38	0.055
6	02/18/2020	09:02:38	0.056
7	02/18/2020	09:17:38	0.051
8	02/18/2020	09:32:38	0.050
9	02/18/2020	09:47:38	0.046
10	02/18/2020	10:02:38	0.040
11	02/18/2020	10:17:38	0.047
12	02/18/2020	10:32:38	0.073
13	02/18/2020	10:47:38	0.074
14	02/18/2020	11:02:38	0.073
15	02/18/2020	11:17:38	0.056
16	02/18/2020	11:32:38	0.075
17	02/18/2020	11:47:38	0.085
18	02/18/2020	12:02:38	0.054
19	02/18/2020	12:17:38	0.037
20	02/18/2020	12:32:38	0.029
21	02/18/2020	12:47:38	0.035

Caused by masons concrete mixing and hammering brings. Drill rig was not turned on until 0837. NOT CAUSED BY DRILLING.

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
22	02/18/2020	13:02:38	0.032
23	02/18/2020	13:17:38	0.026
24	02/18/2020	13:32:38	0.027
25	02/18/2020	13:47:38	0.028
26	02/18/2020	14:02:38	0.030
27	02/18/2020	14:17:38	0.028
28	02/18/2020	14:32:38	0.028
29	02/18/2020	14:47:38	0.040
30	02/18/2020	15:02:38	0.037
31	02/18/2020	15:17:38	0.042
32	02/18/2020	15:32:38	0.042

Test 031

Instrument		Data Properties	
Model	DustTrak II	Start Date	02/19/2020
Instrument S/N	8530153316	Start Time	07:35:01
		Stop Date	02/19/2020
		Stop Time	15:35:01
		Total Time	0:08:00:00
		Logging Interval	900 seconds

Statistics	
	AEROSOL
Avg	0.108 mg/m^3
Max	0.245 mg/m^3
Max Date	02/19/2020
Max Time	14:20:01
Min	0.035 mg/m^3
Min Date	02/19/2020
Min Time	15:05:01
TWA (8 hr)	0.108
TWA Start Date	02/19/2020
TWA Start Time	07:35:01
TWA End Time	15:35:01

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
1	02/19/2020	07:50:01	0.133
2	02/19/2020	08:05:01	0.075
3	02/19/2020	08:20:01	0.078
4	02/19/2020	08:35:01	0.124
5	02/19/2020	08:50:01	0.075
6	02/19/2020	09:05:01	0.092
7	02/19/2020	09:20:01	0.131
8	02/19/2020	09:35:01	0.077
9	02/19/2020	09:50:01	0.121
10	02/19/2020	10:05:01	0.100
11	02/19/2020	10:20:01	0.192
12	02/19/2020	10:35:01	0.212
13	02/19/2020	10:50:01	0.082
14	02/19/2020	11:05:01	0.049
15	02/19/2020	11:20:01	0.097
16	02/19/2020	11:35:01	0.122
17	02/19/2020	11:50:01	0.122
18	02/19/2020	12:05:01	0.073
19	02/19/2020	12:20:01	0.084
20	02/19/2020	12:35:01	0.050
21	02/19/2020	12:50:01	0.070

Caused by masons cutting and breaking brick in old elevator shaft. NOT FROM DRILLING. An additional plywood window was opened for more ventilation. It was noted that dust was coming in from the south western plywood window due to high winds throughout the day.

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
22	02/19/2020	13:05:01	0.107
23	02/19/2020	13:20:01	0.178
24	02/19/2020	13:35:01	0.151
25	02/19/2020	13:50:01	0.144
26	02/19/2020	14:05:01	0.136
27	02/19/2020	14:20:01	0.245
28	02/19/2020	14:35:01	0.062
29	02/19/2020	14:50:01	0.070
30	02/19/2020	15:05:01	0.035
31	02/19/2020	15:20:01	0.092
32	02/19/2020	15:35:01	0.078

Test 032

Instrument		Data Properties	
Model	DustTrak II	Start Date	02/20/2020
Instrument S/N	8530153316	Start Time	07:35:02
		Stop Date	02/20/2020
		Stop Time	15:35:02
		Total Time	0:08:00:00
		Logging Interval	900 seconds

Statistics	
	AEROSOL
Avg	0.100 mg/m^3
Max	0.319 mg/m^3
Max Date	02/20/2020
Max Time	15:05:02
Min	0.019 mg/m^3
Min Date	02/20/2020
Min Time	10:50:02
TWA (8 hr)	0.100
TWA Start Date	02/20/2020
TWA Start Time	07:35:02
TWA End Time	15:35:02

Test Data

Data Point	Date	Time	AEROSOL mg/m^3
1	02/20/2020	07:50:02	0.256
2	02/20/2020	08:05:02	0.035
3	02/20/2020	08:20:02	0.026
4	02/20/2020	08:35:02	0.052
5	02/20/2020	08:50:02	0.046
6	02/20/2020	09:05:02	0.100
7	02/20/2020	09:20:02	0.072
8	02/20/2020	09:35:02	0.075
9	02/20/2020	09:50:02	0.068
10	02/20/2020	10:05:02	0.052
11	02/20/2020	10:20:02	0.046
12	02/20/2020	10:35:02	0.057
13	02/20/2020	10:50:02	0.019
14	02/20/2020	11:05:02	0.022
15	02/20/2020	11:20:02	0.019
16	02/20/2020	11:35:02	0.032
17	02/20/2020	11:50:02	0.079
18	02/20/2020	12:05:02	0.030
19	02/20/2020	12:20:02	0.035
20	02/20/2020	12:35:02	0.026
21	02/20/2020	12:50:02	0.121

Background reading from before drillers were on site. Most likely caused by construction workers cleaning work area in preparation for the day.

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
22	02/20/2020	13:05:02	0.055
23	02/20/2020	13:20:02	0.113
24	02/20/2020	13:35:02	0.288
25	02/20/2020	13:50:02	0.211
26	02/20/2020	14:05:02	0.108
27	02/20/2020	14:20:02	0.218
28	02/20/2020	14:35:02	0.100
29	02/20/2020	14:50:02	0.156
30	02/20/2020	15:05:02	0.319
31	02/20/2020	15:20:02	0.195
32	02/20/2020	15:35:02	0.177

Caused by concrete mixing from masons; masons cutting brick and concrete; masons sweeping work area to lay down brick. NOT FROM DRILLING. An additional plywood window was opened for more ventilation. A daSilva made sure the masons wetted everything and had vacuums attached to their tools. Even with these ways to decrease dust, dust levels remained high. They started settling out around 1525 when the masons finished for the day.

Test 033

Instrument		Data Properties	
Model	DustTrak II	Start Date	02/21/2020
Instrument S/N	8530153316	Start Time	07:47:26
		Stop Date	02/21/2020
		Stop Time	14:32:26
		Total Time	0:06:45:00
		Logging Interval	900 seconds

Statistics	
	AEROSOL
Avg	0.096 mg/m^3
Max	0.312 mg/m^3
Max Date	02/21/2020
Max Time	08:02:26
Min	0.028 mg/m^3
Min Date	02/21/2020
Min Time	12:32:26
TWA (8 hr)	0.081
TWA Start Date	02/21/2020
TWA Start Time	07:47:26
TWA End Time	14:32:26

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
1	02/21/2020	08:02:26	0.312
2	02/21/2020	08:17:26	0.101
3	02/21/2020	08:32:26	0.091
4	02/21/2020	08:47:26	0.060
5	02/21/2020	09:02:26	0.042
6	02/21/2020	09:17:26	0.076
7	02/21/2020	09:32:26	0.073
8	02/21/2020	09:47:26	0.033
9	02/21/2020	10:02:26	0.036
10	02/21/2020	10:17:26	0.058
11	02/21/2020	10:32:26	0.107
12	02/21/2020	10:47:26	0.080
13	02/21/2020	11:02:26	0.066
14	02/21/2020	11:17:26	0.083
15	02/21/2020	11:32:26	0.242
16	02/21/2020	11:47:26	0.248
17	02/21/2020	12:02:26	0.091
18	02/21/2020	12:17:26	0.033
19	02/21/2020	12:32:26	0.028
20	02/21/2020	12:47:26	0.061
21	02/21/2020	13:02:26	0.164

Caused by construction workers prior to drilling. This was a background reading. NOT FROM DRILLING. An additional plywood window was opened for more ventilation.

Masons were saw cutting when the pump ran out of water for about 10 seconds. That was enough time to allow dust to be airborne. It lingered in the air for a half hour or so. NOT FROM DRILLING. Windows were already opened.

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
22	02/21/2020	13:17:26	0.056
23	02/21/2020	13:32:26	0.159
24	02/21/2020	13:47:26	0.093
25	02/21/2020	14:02:26	0.083
26	02/21/2020	14:17:26	0.070
27	02/21/2020	14:32:26	0.059

Test 034

Instrument		Data Properties	
Model	DustTrak II	Start Date	02/24/2020
Instrument S/N	8530153316	Start Time	07:47:21
		Stop Date	02/24/2020
		Stop Time	15:47:21
		Total Time	0:08:00:00
		Logging Interval	900 seconds

Statistics	
	AEROSOL
Avg	0.088 mg/m^3
Max	0.221 mg/m^3
Max Date	02/24/2020
Max Time	14:17:21
Min	0.040 mg/m^3
Min Date	02/24/2020
Min Time	11:02:21
TWA (8 hr)	0.088
TWA Start Date	02/24/2020
TWA Start Time	07:47:21
TWA End Time	15:47:21

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
1	02/24/2020	08:02:21	0.049
2	02/24/2020	08:17:21	0.046
3	02/24/2020	08:32:21	0.048
4	02/24/2020	08:47:21	0.104
5	02/24/2020	09:02:21	0.056
6	02/24/2020	09:17:21	0.067
7	02/24/2020	09:32:21	0.056
8	02/24/2020	09:47:21	0.042
9	02/24/2020	10:02:21	0.045
10	02/24/2020	10:17:21	0.088
11	02/24/2020	10:32:21	0.055
12	02/24/2020	10:47:21	0.049
13	02/24/2020	11:02:21	0.040
14	02/24/2020	11:17:21	0.132
15	02/24/2020	11:32:21	0.077
16	02/24/2020	11:47:21	0.050
17	02/24/2020	12:02:21	0.058
18	02/24/2020	12:17:21	0.108
19	02/24/2020	12:32:21	0.078
20	02/24/2020	12:47:21	0.057
21	02/24/2020	13:02:21	0.176

Caused by installation of nearby windows close to CAMP. When windows were installed, wind blew saw dust indoors. NOT FROM DRILLING.

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
22	02/24/2020	13:17:21	0.105
23	02/24/2020	13:32:21	0.085
24	02/24/2020	13:47:21	0.083
25	02/24/2020	14:02:21	0.087
26	02/24/2020	14:17:21	0.221
27	02/24/2020	14:32:21	0.099
28	02/24/2020	14:47:21	0.102
29	02/24/2020	15:02:21	0.090
30	02/24/2020	15:17:21	0.148
31	02/24/2020	15:32:21	0.176
32	02/24/2020	15:47:21	0.136

Caused by visible dust coming from basement entrance. Masons were saw cutting and hammering in basement. A daSilva spoke with masons to decrease dust generation. NOT FROM DRILLING.

Test 035

Instrument		Data Properties	
Model	DustTrak II	Start Date	02/25/2020
Instrument S/N	8530153316	Start Time	07:41:11
		Stop Date	02/25/2020
		Stop Time	15:11:11
		Total Time	0:07:30:00
		Logging Interval	900 seconds

Statistics	
	AEROSOL
Avg	0.086 mg/m^3
Max	0.171 mg/m^3
Max Date	02/25/2020
Max Time	10:41:11
Min	0.033 mg/m^3
Min Date	02/25/2020
Min Time	12:26:11
TWA (8 hr)	0.080
TWA Start Date	02/25/2020
TWA Start Time	07:41:11
TWA End Time	15:11:11

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
1	02/25/2020	07:56:11	0.151
2	02/25/2020	08:11:11	0.131
3	02/25/2020	08:26:11	0.052
4	02/25/2020	08:41:11	0.083
5	02/25/2020	08:56:11	0.074
6	02/25/2020	09:11:11	0.076
7	02/25/2020	09:26:11	0.166
8	02/25/2020	09:41:11	0.080
9	02/25/2020	09:56:11	0.081
10	02/25/2020	10:11:11	0.065
11	02/25/2020	10:26:11	0.084
12	02/25/2020	10:41:11	0.171
13	02/25/2020	10:56:11	0.110
14	02/25/2020	11:11:11	0.091
15	02/25/2020	11:26:11	0.077
16	02/25/2020	11:41:11	0.102
17	02/25/2020	11:56:11	0.081
18	02/25/2020	12:11:11	0.076
19	02/25/2020	12:26:11	0.033
20	02/25/2020	12:41:11	0.039
21	02/25/2020	12:56:11	0.053

Background reading high from masons mixing concrete. Plywood window was opened for ventilation.

Caused by masons mixing concrete. NOT FROM DRILLING. It was noted in note book all drilling tools and soils were wetted to ensure no dust was generated from drilling.

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
22	02/25/2020	13:11:11	0.035
23	02/25/2020	13:26:11	0.038
24	02/25/2020	13:41:11	0.086
25	02/25/2020	13:56:11	0.096
26	02/25/2020	14:11:11	0.085
27	02/25/2020	14:26:11	0.147
28	02/25/2020	14:41:11	0.065
29	02/25/2020	14:56:11	0.059
30	02/25/2020	15:11:11	0.086

Test 036

Instrument		Data Properties	
Model	DustTrak II	Start Date	02/26/2020
Instrument S/N	8530153316	Start Time	07:14:32
		Stop Date	02/26/2020
		Stop Time	15:29:32
		Total Time	0:08:15:00
		Logging Interval	900 seconds

Statistics	
	AEROSOL
Avg	0.067 mg/m^3
Max	0.158 mg/m^3
Max Date	02/26/2020
Max Time	07:29:32
Min	0.029 mg/m^3
Min Date	02/26/2020
Min Time	12:29:32
TWA (8 hr)	0.067
TWA Start Date	02/26/2020
TWA Start Time	07:14:32
TWA End Time	15:29:32

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
1	02/26/2020	07:29:32	0.158
2	02/26/2020	07:44:32	0.081
3	02/26/2020	07:59:32	0.063
4	02/26/2020	08:14:32	0.054
5	02/26/2020	08:29:32	0.100
6	02/26/2020	08:44:32	0.085
7	02/26/2020	08:59:32	0.132
8	02/26/2020	09:14:32	0.087
9	02/26/2020	09:29:32	0.157
10	02/26/2020	09:44:32	0.150
11	02/26/2020	09:59:32	0.074
12	02/26/2020	10:14:32	0.058
13	02/26/2020	10:29:32	0.046
14	02/26/2020	10:44:32	0.042
15	02/26/2020	10:59:32	0.044
16	02/26/2020	11:14:32	0.043
17	02/26/2020	11:29:32	0.057
18	02/26/2020	11:44:32	0.040
19	02/26/2020	11:59:32	0.040
20	02/26/2020	12:14:32	0.035
21	02/26/2020	12:29:32	0.029

Background reading high from masons mixing concrete. Plywood window was opened for ventilation.

Visible dust from east side of room caused by masons dropping wooden planks on floor.

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
22	02/26/2020	12:44:32	0.029
23	02/26/2020	12:59:32	0.031
24	02/26/2020	13:14:32	0.038
25	02/26/2020	13:29:32	0.033
26	02/26/2020	13:44:32	0.045
27	02/26/2020	13:59:32	0.039
28	02/26/2020	14:14:32	0.083
29	02/26/2020	14:29:32	0.075
30	02/26/2020	14:44:32	0.066
31	02/26/2020	14:59:32	0.061
32	02/26/2020	15:14:32	0.063
33	02/26/2020	15:29:32	0.069

Test 037

Instrument		Data Properties	
Model	DustTrak II	Start Date	02/27/2020
Instrument S/N	8530153316	Start Time	07:48:09
		Stop Date	02/27/2020
		Stop Time	15:48:09
		Total Time	0:08:00:00
		Logging Interval	900 seconds

Statistics	
	AEROSOL
Avg	0.159 mg/m^3
Max	0.407 mg/m^3
Max Date	02/27/2020
Max Time	09:03:09
Min	0.062 mg/m^3
Min Date	02/27/2020
Min Time	12:18:09
TWA (8 hr)	0.159
TWA Start Date	02/27/2020
TWA Start Time	07:48:09
TWA End Time	15:48:09

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
1	02/27/2020	08:03:09	0.247
2	02/27/2020	08:18:09	0.116
3	02/27/2020	08:33:09	0.126
4	02/27/2020	08:48:09	0.176
5	02/27/2020	09:03:09	0.407
6	02/27/2020	09:18:09	0.357
7	02/27/2020	09:33:09	0.230
8	02/27/2020	09:48:09	0.089
9	02/27/2020	10:03:09	0.095
10	02/27/2020	10:18:09	0.148
11	02/27/2020	10:33:09	0.178
12	02/27/2020	10:48:09	0.195
13	02/27/2020	11:03:09	0.163
14	02/27/2020	11:18:09	0.300
15	02/27/2020	11:33:09	0.191
16	02/27/2020	11:48:09	0.131
17	02/27/2020	12:03:09	0.117
18	02/27/2020	12:18:09	0.062
19	02/27/2020	12:33:09	0.065
20	02/27/2020	12:48:09	0.062
21	02/27/2020	13:03:09	0.187

Background reading high from masons mixing concrete. Plywood window was opened for ventilation.

Dust generated from masons cutting wood in work zone. A daSilva asked them to cut outside or near a window to mitigate dust levels.

Indoor pipe cutting. Cannot mitigate except for vacuum which presents minimal results. A daSilva had them try to shield metal shavings. NOT FROM DRILLING.

Indoor pipe cutting. Cannot mitigate except for vacuum which presents minimal results. A daSilva had them try to shield metal shavings. NOT FROM DRILLING.

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
22	02/27/2020	13:18:09	0.092
23	02/27/2020	13:33:09	0.101
24	02/27/2020	13:48:09	0.124
25	02/27/2020	14:03:09	0.337
26	02/27/2020	14:18:09	0.164
27	02/27/2020	14:33:09	0.097
28	02/27/2020	14:48:09	0.087
29	02/27/2020	15:03:09	0.134
30	02/27/2020	15:18:09	0.142
31	02/27/2020	15:33:09	0.103
32	02/27/2020	15:48:09	0.076

Indoor pipe cutting. Cannot mitigate except for vacuum which presents minimal results. A daSilva had them try to shield metal shavings. NOT FROM DRILLING.

Test 038

Instrument		Data Properties	
Model	DustTrak II	Start Date	02/28/2020
Instrument S/N	8530153316	Start Time	07:54:01
		Stop Date	02/28/2020
		Stop Time	15:24:01
		Total Time	0:07:30:00
		Logging Interval	900 seconds

Statistics	
	AEROSOL
Avg	0.115 mg/m^3
Max	0.362 mg/m^3
Max Date	02/28/2020
Max Time	10:24:01
Min	0.041 mg/m^3
Min Date	02/28/2020
Min Time	12:39:01
TWA (8 hr)	0.108
TWA Start Date	02/28/2020
TWA Start Time	07:54:01
TWA End Time	15:24:01

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
1	02/28/2020	08:09:01	0.123
2	02/28/2020	08:24:01	0.121
3	02/28/2020	08:39:01	0.266
4	02/28/2020	08:54:01	0.179
5	02/28/2020	09:09:01	0.122
6	02/28/2020	09:24:01	0.208
7	02/28/2020	09:39:01	0.182
8	02/28/2020	09:54:01	0.182
9	02/28/2020	10:09:01	0.159
10	02/28/2020	10:24:01	0.362
11	02/28/2020	10:39:01	0.190
12	02/28/2020	10:54:01	0.119
13	02/28/2020	11:09:01	0.121
14	02/28/2020	11:24:01	0.068
15	02/28/2020	11:39:01	0.060
16	02/28/2020	11:54:01	0.087
17	02/28/2020	12:09:01	0.100
18	02/28/2020	12:24:01	0.048
19	02/28/2020	12:39:01	0.041
20	02/28/2020	12:54:01	0.064
21	02/28/2020	13:09:01	0.067

Dust generated from masons cutting steel; masons angle grinding cement; drillers moving drums; dust blowing in from the south west plywood window. It was noted that concrete/saw dust appeared to be on everything, so when the drums moved, dust was kicked up from ground and fell off lids. Dust was primarily seen as concrete dust and saw dust. This dust generation fell and increased throughout the day with numerous different forms of mitigation to help prevent it. NOT FROM DRILLING.

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
22	02/28/2020	13:24:01	0.054
23	02/28/2020	13:39:01	0.054
24	02/28/2020	13:54:01	0.057
25	02/28/2020	14:09:01	0.087
26	02/28/2020	14:24:01	0.057
27	02/28/2020	14:39:01	0.076
28	02/28/2020	14:54:01	0.058
29	02/28/2020	15:09:01	0.058
30	02/28/2020	15:24:01	0.082

March 2020
Workzone
DustTrak Data

Test 039

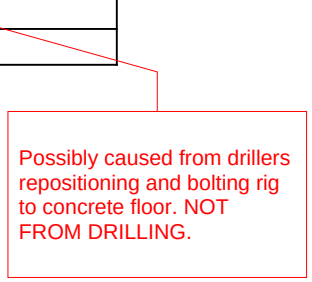
Instrument		Data Properties	
Model	DustTrak II	Start Date	03/02/2020
Instrument S/N	8530153316	Start Time	07:48:28
		Stop Date	03/02/2020
		Stop Time	14:33:28
		Total Time	0:06:45:00
		Logging Interval	900 seconds

Statistics	
	AEROSOL
Avg	0.096 mg/m^3
Max	0.184 mg/m^3
Max Date	03/02/2020
Max Time	12:03:28
Min	0.036 mg/m^3
Min Date	03/02/2020
Min Time	09:33:28
TWA (8 hr)	0.081
TWA Start Date	03/02/2020
TWA Start Time	07:48:28
TWA End Time	14:33:28

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
1	03/02/2020	08:03:28	0.159
2	03/02/2020	08:18:28	0.171
3	03/02/2020	08:33:28	0.090
4	03/02/2020	08:48:28	0.047
5	03/02/2020	09:03:28	0.043
6	03/02/2020	09:18:28	0.040
7	03/02/2020	09:33:28	0.036
8	03/02/2020	09:48:28	0.037
9	03/02/2020	10:03:28	0.046
10	03/02/2020	10:18:28	0.068
11	03/02/2020	10:33:28	0.060
12	03/02/2020	10:48:28	0.073
13	03/02/2020	11:03:28	0.079
14	03/02/2020	11:18:28	0.088
15	03/02/2020	11:33:28	0.071
16	03/02/2020	11:48:28	0.124
17	03/02/2020	12:03:28	0.184
18	03/02/2020	12:18:28	0.082
19	03/02/2020	12:33:28	0.066
20	03/02/2020	12:48:28	0.144
21	03/02/2020	13:03:28	0.159

High background from construction workers moving equipment around the room. Plywood windows were open for ventilation. NOT FROM DRILLING.

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
22	03/02/2020	13:18:28	0.125
23	03/02/2020	13:33:28	0.080
24	03/02/2020	13:48:28	0.096
25	03/02/2020	14:03:28	0.094
26	03/02/2020	14:18:28	0.154
27	03/02/2020	14:33:28	0.181



Test 040

Instrument		Data Properties	
Model	DustTrak II	Start Date	03/03/2020
Instrument S/N	8530153316	Start Time	07:42:51
		Stop Date	03/03/2020
		Stop Time	15:42:51
		Total Time	0:08:00:00
		Logging Interval	900 seconds

Statistics	
	AEROSOL
Avg	0.138 mg/m^3
Max	0.421 mg/m^3
Max Date	03/03/2020
Max Time	09:27:51
Min	0.050 mg/m^3
Min Date	03/03/2020
Min Time	12:27:51
TWA (8 hr)	0.138
TWA Start Date	03/03/2020
TWA Start Time	07:42:51
TWA End Time	15:42:51

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
1	03/03/2020	07:57:51	0.140
2	03/03/2020	08:12:51	0.141
3	03/03/2020	08:27:51	0.160
4	03/03/2020	08:42:51	0.201
5	03/03/2020	08:57:51	0.093
6	03/03/2020	09:12:51	0.224
7	03/03/2020	09:27:51	0.421
8	03/03/2020	09:42:51	0.177
9	03/03/2020	09:57:51	0.117
10	03/03/2020	10:12:51	0.201
11	03/03/2020	10:27:51	0.301
12	03/03/2020	10:42:51	0.141
13	03/03/2020	10:57:51	0.134
14	03/03/2020	11:12:51	0.151
15	03/03/2020	11:27:51	0.301
16	03/03/2020	11:42:51	0.183
17	03/03/2020	11:57:51	0.136
18	03/03/2020	12:12:51	0.064
19	03/03/2020	12:27:51	0.050
20	03/03/2020	12:42:51	0.069
21	03/03/2020	12:57:51	0.072

Throughout the day, masons were hauling and dumping stone where the ramp was being made. Other than opening more windows, there was little mitigation that could be done. NOT FROM DRILLING.

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
22	03/03/2020	13:12:51	0.092
23	03/03/2020	13:27:51	0.119
24	03/03/2020	13:42:51	0.057
25	03/03/2020	13:57:51	0.061
26	03/03/2020	14:12:51	0.078
27	03/03/2020	14:27:51	0.081
28	03/03/2020	14:42:51	0.072
29	03/03/2020	14:57:51	0.071
30	03/03/2020	15:12:51	0.071
31	03/03/2020	15:27:51	0.106
32	03/03/2020	15:42:51	0.118

Test 041

Instrument		Data Properties	
Model	DustTrak II	Start Date	03/04/2020
Instrument S/N	8530153316	Start Time	07:49:57
		Stop Date	03/04/2020
		Stop Time	15:19:57
		Total Time	0:07:30:00
		Logging Interval	900 seconds

Statistics	
	AEROSOL
Avg	0.134 mg/m^3
Max	0.787 mg/m^3
Max Date	03/04/2020
Max Time	12:19:57
Min	0.043 mg/m^3
Min Date	03/04/2020
Min Time	15:19:57
TWA (8 hr)	0.126
TWA Start Date	03/04/2020
TWA Start Time	07:49:57
TWA End Time	15:19:57

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
1	03/04/2020	08:04:57	0.163
2	03/04/2020	08:19:57	0.105
3	03/04/2020	08:34:57	0.082
4	03/04/2020	08:49:57	0.067
5	03/04/2020	09:04:57	0.070
6	03/04/2020	09:19:57	0.114
7	03/04/2020	09:34:57	0.095
8	03/04/2020	09:49:57	0.082
9	03/04/2020	10:04:57	0.065
10	03/04/2020	10:19:57	0.053
11	03/04/2020	10:34:57	0.065
12	03/04/2020	10:49:57	0.065
13	03/04/2020	11:04:57	0.160
14	03/04/2020	11:19:57	0.248
15	03/04/2020	11:34:57	0.120
16	03/04/2020	11:49:57	0.140
17	03/04/2020	12:04:57	0.291
18	03/04/2020	12:19:57	0.787
19	03/04/2020	12:34:57	0.097
20	03/04/2020	12:49:57	0.086
21	03/04/2020	13:04:57	0.180

Masons saw cut with no water. When A daSilva noticed the visible dust coming over towards the workzone, he spoke with masons about using water. Dust lingered in room for an hour or so. NOT FROM DRILLING.

Dust coming from wood coring in floor overhead. Saw dust seen falling on CAMP. NOT FROM DRILLING.

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
22	03/04/2020	13:19:57	0.068
23	03/04/2020	13:34:57	0.092
24	03/04/2020	13:49:57	0.078
25	03/04/2020	14:04:57	0.062
26	03/04/2020	14:19:57	0.073
27	03/04/2020	14:34:57	0.153
28	03/04/2020	14:49:57	0.220
29	03/04/2020	15:04:57	0.109
30	03/04/2020	15:19:57	0.043

Dust coming from wood coring in floor overhead. Saw dust seen falling on CAMP. NOT FROM DRILLING.

Test 042

Instrument		Data Properties	
Model	DustTrak II	Start Date	03/05/2020
Instrument S/N	8530153316	Start Time	07:36:48
		Stop Date	03/05/2020
		Stop Time	12:36:48
		Total Time	0:05:00:00
		Logging Interval	900 seconds

Statistics	
	AEROSOL
Avg	0.058 mg/m^3
Max	0.135 mg/m^3
Max Date	03/05/2020
Max Time	08:51:48
Min	0.030 mg/m^3
Min Date	03/05/2020
Min Time	09:51:48
TWA (8 hr)	0.036
TWA Start Date	03/05/2020
TWA Start Time	07:36:48
TWA End Time	12:36:48

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
1	03/05/2020	07:51:48	0.066
2	03/05/2020	08:06:48	0.048
3	03/05/2020	08:21:48	0.083
4	03/05/2020	08:36:48	0.082
5	03/05/2020	08:51:48	0.135
6	03/05/2020	09:06:48	0.101
7	03/05/2020	09:21:48	0.076
8	03/05/2020	09:36:48	0.063
9	03/05/2020	09:51:48	0.030
10	03/05/2020	10:06:48	0.041
11	03/05/2020	10:21:48	0.043
12	03/05/2020	10:36:48	0.039
13	03/05/2020	10:51:48	0.031
14	03/05/2020	11:06:48	0.103
15	03/05/2020	11:21:48	0.055
16	03/05/2020	11:36:48	0.033
17	03/05/2020	11:51:48	0.032
18	03/05/2020	12:06:48	0.030
19	03/05/2020	12:21:48	0.037
20	03/05/2020	12:36:48	0.038

Test 001

Instrument		Data Properties	
Model	DustTrak II	Start Date	04/02/2020
Instrument S/N	8530153805	Start Time	07:10:37
		Stop Date	04/02/2020
		Stop Time	15:25:37
		Total Time	0:08:15:00
		Logging Interval	900 seconds

Statistics	
	AEROSOL
Avg	0.025 mg/m^3
Max	0.076 mg/m^3
Max Date	04/02/2020
Max Time	08:40:37
Min	0.005 mg/m^3
Min Date	04/02/2020
Min Time	12:25:37
TWA (8 hr)	0.025
TWA Start Date	04/02/2020
TWA Start Time	07:10:37
TWA End Time	15:25:37

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
1	04/02/2020	07:25:37	0.021
2	04/02/2020	07:40:37	0.029
3	04/02/2020	07:55:37	0.031
4	04/02/2020	08:10:37	0.058
5	04/02/2020	08:25:37	0.049
6	04/02/2020	08:40:37	0.076
7	04/02/2020	08:55:37	0.020
8	04/02/2020	09:10:37	0.012
9	04/02/2020	09:25:37	0.012
10	04/02/2020	09:40:37	0.014
11	04/02/2020	09:55:37	0.011
12	04/02/2020	10:10:37	0.014
13	04/02/2020	10:25:37	0.015
14	04/02/2020	10:40:37	0.013
15	04/02/2020	10:55:37	0.009
16	04/02/2020	11:10:37	0.007
17	04/02/2020	11:25:37	0.008
18	04/02/2020	11:40:37	0.008
19	04/02/2020	11:55:37	0.011
20	04/02/2020	12:10:37	0.006
21	04/02/2020	12:25:37	0.005

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
22	04/02/2020	12:40:37	0.005
23	04/02/2020	12:55:37	0.017
24	04/02/2020	13:10:37	0.038
25	04/02/2020	13:25:37	0.074
26	04/02/2020	13:40:37	0.057
27	04/02/2020	13:55:37	0.022
28	04/02/2020	14:10:37	0.043
29	04/02/2020	14:25:37	0.021
30	04/02/2020	14:40:37	0.039
31	04/02/2020	14:55:37	0.033
32	04/02/2020	15:10:37	0.018
33	04/02/2020	15:25:37	0.040

Test 002

Instrument		Data Properties	
Model	DustTrak II	Start Date	04/03/2020
Instrument S/N	8530153805	Start Time	07:07:51
		Stop Date	04/03/2020
		Stop Time	17:22:51
		Total Time	0:10:15:00
		Logging Interval	900 seconds

Statistics	
	AEROSOL
Avg	0.031 mg/m^3
Max	0.193 mg/m^3
Max Date	04/03/2020
Max Time	08:22:51
Min	0.000 mg/m^3
Min Date	04/03/2020
Min Time	15:27:46
TWA (8 hr)	0.034
TWA Start Date	04/03/2020
TWA Start Time	07:07:51
TWA End Time	17:22:51

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
1	04/03/2020	07:22:51	0.042
2	04/03/2020	07:37:51	0.026
3	04/03/2020	07:52:51	0.023
4	04/03/2020	08:07:51	0.064
5	04/03/2020	08:22:51	0.193
6	04/03/2020	08:37:51	0.040
7	04/03/2020	08:52:51	0.009
8	04/03/2020	09:07:51	0.011
9	04/03/2020	09:22:51	0.032
10	04/03/2020	09:37:51	0.063
11	04/03/2020	09:52:51	0.079
12	04/03/2020	10:07:51	0.095
13	04/03/2020	10:22:51	0.124
14	04/03/2020	10:37:51	0.029
15	04/03/2020	10:52:51	0.022
16	04/03/2020	11:07:51	0.041
17	04/03/2020	11:22:51	0.025
18	04/03/2020	11:37:51	0.006
19	04/03/2020	11:52:51	0.022
20	04/03/2020	12:07:51	0.057
21	04/03/2020	12:22:51	0.031

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
22	04/03/2020	12:37:51	0.010
23	04/03/2020	12:52:51	0.010
24	04/03/2020	13:07:51	0.012
25	04/03/2020	13:22:51	0.010
26	04/03/2020	13:37:51	0.009
27	04/03/2020	13:52:51	0.006
28	04/03/2020	14:07:51	0.011
29	04/03/2020	14:22:51	0.007
30	04/03/2020	14:37:51	0.005
31	04/03/2020	14:52:51	0.011
32	04/03/2020	15:27:46	0.000
33	04/03/2020	15:37:51	0.044
34	04/03/2020	15:52:51	0.007
35	04/03/2020	16:07:51	0.003
36	04/03/2020	16:22:51	0.005
37	04/03/2020	16:37:51	0.004
38	04/03/2020	16:52:51	0.013
39	04/03/2020	17:07:51	0.023
40	04/03/2020	17:22:51	0.013

Test 003

Instrument		Data Properties	
Model	DustTrak II	Start Date	04/04/2020
Instrument S/N	8530153805	Start Time	07:00:06
		Stop Date	04/04/2020
		Stop Time	12:00:06
		Total Time	0:05:00:00
		Logging Interval	900 seconds

Statistics	
	AEROSOL
Avg	0.028 mg/m^3
Max	0.042 mg/m^3
Max Date	04/04/2020
Max Time	11:45:06
Min	0.015 mg/m^3
Min Date	04/04/2020
Min Time	07:30:06
TWA (8 hr)	0.018
TWA Start Date	04/04/2020
TWA Start Time	07:00:06
TWA End Time	12:00:06

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
1	04/04/2020	07:15:06	0.016
2	04/04/2020	07:30:06	0.015
3	04/04/2020	07:45:06	0.015
4	04/04/2020	08:00:06	0.021
5	04/04/2020	08:15:06	0.016
6	04/04/2020	08:30:06	0.022
7	04/04/2020	08:45:06	0.026
8	04/04/2020	09:00:06	0.026
9	04/04/2020	09:15:06	0.028
10	04/04/2020	09:30:06	0.026
11	04/04/2020	09:45:06	0.027
12	04/04/2020	10:00:06	0.026
13	04/04/2020	10:15:06	0.033
14	04/04/2020	10:30:06	0.040
15	04/04/2020	10:45:06	0.034
16	04/04/2020	11:00:06	0.033
17	04/04/2020	11:15:06	0.038
18	04/04/2020	11:30:06	0.040
19	04/04/2020	11:45:06	0.042
20	04/04/2020	12:00:06	0.039

Test 004

Instrument		Data Properties	
Model	DustTrak II	Start Date	04/06/2020
Instrument S/N	8530153805	Start Time	08:19:04
		Stop Date	04/06/2020
		Stop Time	15:04:04
		Total Time	0:06:45:00
		Logging Interval	900 seconds

Statistics	
	AEROSOL
Avg	0.025 mg/m^3
Max	0.134 mg/m^3
Max Date	04/06/2020
Max Time	09:04:04
Min	0.006 mg/m^3
Min Date	04/06/2020
Min Time	13:34:04
TWA (8 hr)	0.021
TWA Start Date	04/06/2020
TWA Start Time	08:19:04
TWA End Time	15:04:04

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
1	04/06/2020	08:34:04	0.040
2	04/06/2020	08:49:04	0.119
3	04/06/2020	09:04:04	0.134
4	04/06/2020	09:19:04	0.050
5	04/06/2020	09:34:04	0.037
6	04/06/2020	09:49:04	0.027
7	04/06/2020	10:04:04	0.019
8	04/06/2020	10:19:04	0.020
9	04/06/2020	10:34:04	0.026
10	04/06/2020	10:49:04	0.013
11	04/06/2020	11:04:04	0.014
12	04/06/2020	11:19:04	0.008
13	04/06/2020	11:34:04	0.009
14	04/06/2020	11:49:04	0.013
15	04/06/2020	12:04:04	0.009
16	04/06/2020	12:19:04	0.008
17	04/06/2020	12:34:04	0.008
18	04/06/2020	12:49:04	0.008
19	04/06/2020	13:04:04	0.011
20	04/06/2020	13:19:04	0.009
21	04/06/2020	13:34:04	0.006

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
22	04/06/2020	13:49:04	0.012
23	04/06/2020	14:04:04	0.017
24	04/06/2020	14:19:04	0.009
25	04/06/2020	14:34:04	0.024
26	04/06/2020	14:49:04	0.008
27	04/06/2020	15:04:04	0.012

Test 005

Instrument		Data Properties	
Model	DustTrak II	Start Date	04/07/2020
Instrument S/N	8530153805	Start Time	07:12:09
		Stop Date	04/07/2020
		Stop Time	14:57:09
		Total Time	0:07:45:00
		Logging Interval	900 seconds

Statistics	
	AEROSOL
Avg	0.020 mg/m^3
Max	0.042 mg/m^3
Max Date	04/07/2020
Max Time	12:57:09
Min	0.009 mg/m^3
Min Date	04/07/2020
Min Time	09:42:09
TWA (8 hr)	0.019
TWA Start Date	04/07/2020
TWA Start Time	07:12:09
TWA End Time	14:57:09

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
1	04/07/2020	07:27:09	0.023
2	04/07/2020	07:42:09	0.020
3	04/07/2020	07:57:09	0.021
4	04/07/2020	08:12:09	0.019
5	04/07/2020	08:27:09	0.015
6	04/07/2020	08:42:09	0.012
7	04/07/2020	08:57:09	0.011
8	04/07/2020	09:12:09	0.011
9	04/07/2020	09:27:09	0.010
10	04/07/2020	09:42:09	0.009
11	04/07/2020	09:57:09	0.009
12	04/07/2020	10:12:09	0.012
13	04/07/2020	10:27:09	0.009
14	04/07/2020	10:42:09	0.011
15	04/07/2020	10:57:09	0.014
16	04/07/2020	11:12:09	0.023
17	04/07/2020	11:27:09	0.015
18	04/07/2020	11:42:09	0.019
19	04/07/2020	11:57:09	0.028
20	04/07/2020	12:12:09	0.031
21	04/07/2020	12:27:09	0.038

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
22	04/07/2020	12:42:09	0.026
23	04/07/2020	12:57:09	0.042
24	04/07/2020	13:12:09	0.037
25	04/07/2020	13:27:09	0.023
26	04/07/2020	13:42:09	0.024
27	04/07/2020	13:57:09	0.021
28	04/07/2020	14:12:09	0.019
29	04/07/2020	14:27:09	0.018
30	04/07/2020	14:42:09	0.025
31	04/07/2020	14:57:09	0.021

Test 006

Instrument		Data Properties	
Model	DustTrak II	Start Date	04/08/2020
Instrument S/N	8530153805	Start Time	07:14:39
		Stop Date	04/08/2020
		Stop Time	14:44:39
		Total Time	0:07:30:00
		Logging Interval	900 seconds

Statistics	
	AEROSOL
Avg	0.023 mg/m^3
Max	0.046 mg/m^3
Max Date	04/08/2020
Max Time	14:14:39
Min	0.010 mg/m^3
Min Date	04/08/2020
Min Time	07:59:39
TWA (8 hr)	0.021
TWA Start Date	04/08/2020
TWA Start Time	07:14:39
TWA End Time	14:44:39

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
1	04/08/2020	07:29:39	0.013
2	04/08/2020	07:44:39	0.011
3	04/08/2020	07:59:39	0.010
4	04/08/2020	08:14:39	0.026
5	04/08/2020	08:29:39	0.033
6	04/08/2020	08:44:39	0.019
7	04/08/2020	08:59:39	0.012
8	04/08/2020	09:14:39	0.021
9	04/08/2020	09:29:39	0.014
10	04/08/2020	09:44:39	0.015
11	04/08/2020	09:59:39	0.013
12	04/08/2020	10:14:39	0.015
13	04/08/2020	10:29:39	0.020
14	04/08/2020	10:44:39	0.024
15	04/08/2020	10:59:39	0.034
16	04/08/2020	11:14:39	0.029
17	04/08/2020	11:29:39	0.015
18	04/08/2020	11:44:39	0.017
19	04/08/2020	11:59:39	0.031
20	04/08/2020	12:14:39	0.031
21	04/08/2020	12:29:39	0.020

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
22	04/08/2020	12:44:39	0.015
23	04/08/2020	12:59:39	0.014
24	04/08/2020	13:14:39	0.017
25	04/08/2020	13:29:39	0.021
26	04/08/2020	13:44:39	0.039
27	04/08/2020	13:59:39	0.045
28	04/08/2020	14:14:39	0.046
29	04/08/2020	14:29:39	0.029
30	04/08/2020	14:44:39	0.039

Test 007

Instrument		Data Properties	
Model	DustTrak II	Start Date	04/13/2020
Instrument S/N	8530153805	Start Time	07:13:01
		Stop Date	04/13/2020
		Stop Time	10:58:01
		Total Time	0:03:45:00
		Logging Interval	900 seconds

Statistics	
	AEROSOL
Avg	0.009 mg/m^3
Max	0.026 mg/m^3
Max Date	04/13/2020
Max Time	10:58:01
Min	0.000 mg/m^3
Min Date	04/13/2020
Min Time	09:58:01
TWA (8 hr)	0.004
TWA Start Date	04/13/2020
TWA Start Time	07:13:01
TWA End Time	10:58:01

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
1	04/13/2020	07:28:01	0.011
2	04/13/2020	07:43:01	0.004
3	04/13/2020	07:58:01	0.004
4	04/13/2020	08:13:01	0.003
5	04/13/2020	08:28:01	0.007
6	04/13/2020	08:43:01	0.013
7	04/13/2020	08:58:01	0.004
8	04/13/2020	09:13:01	0.016
9	04/13/2020	09:28:01	0.023
10	04/13/2020	09:43:01	0.006
11	04/13/2020	09:58:01	0.000
12	04/13/2020	10:13:01	0.000
13	04/13/2020	10:28:01	0.007
14	04/13/2020	10:43:01	0.011
15	04/13/2020	10:58:01	0.026

Test 008

Instrument		Data Properties	
Model	DustTrak II	Start Date	04/14/2020
Instrument S/N	8530153805	Start Time	06:55:38
		Stop Date	04/14/2020
		Stop Time	14:55:38
		Total Time	0:08:00:00
		Logging Interval	900 seconds

Statistics	
	AEROSOL
Avg	0.027 mg/m^3
Max	0.129 mg/m^3
Max Date	04/14/2020
Max Time	13:55:38
Min	0.009 mg/m^3
Min Date	04/14/2020
Min Time	10:40:38
TWA (8 hr)	0.027
TWA Start Date	04/14/2020
TWA Start Time	06:55:38
TWA End Time	14:55:38

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
1	04/14/2020	07:10:38	0.017
2	04/14/2020	07:25:38	0.028
3	04/14/2020	07:40:38	0.011
4	04/14/2020	07:55:38	0.013
5	04/14/2020	08:10:38	0.027
6	04/14/2020	08:25:38	0.019
7	04/14/2020	08:40:38	0.018
8	04/14/2020	08:55:38	0.021
9	04/14/2020	09:10:38	0.028
10	04/14/2020	09:25:38	0.018
11	04/14/2020	09:40:38	0.010
12	04/14/2020	09:55:38	0.017
13	04/14/2020	10:10:38	0.011
14	04/14/2020	10:25:38	0.013
15	04/14/2020	10:40:38	0.009
16	04/14/2020	10:55:38	0.010
17	04/14/2020	11:10:38	0.058
18	04/14/2020	11:25:38	0.039
19	04/14/2020	11:40:38	0.022
20	04/14/2020	11:55:38	0.023
21	04/14/2020	12:10:38	0.042

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
22	04/14/2020	12:25:38	0.010
23	04/14/2020	12:40:38	0.012
24	04/14/2020	12:55:38	0.013
25	04/14/2020	13:10:38	0.012
26	04/14/2020	13:25:38	0.068
27	04/14/2020	13:40:38	0.029
28	04/14/2020	13:55:38	0.129
29	04/14/2020	14:10:38	0.042
30	04/14/2020	14:25:38	0.038
31	04/14/2020	14:40:38	0.037
32	04/14/2020	14:55:38	0.017

Test 009

Instrument		Data Properties	
Model	DustTrak II	Start Date	04/15/2020
Instrument S/N	8530153805	Start Time	07:01:42
		Stop Date	04/15/2020
		Stop Time	10:46:42
		Total Time	0:03:45:00
		Logging Interval	900 seconds

Statistics	
	AEROSOL
Avg	0.041 mg/m^3
Max	0.103 mg/m^3
Max Date	04/15/2020
Max Time	08:31:42
Min	0.014 mg/m^3
Min Date	04/15/2020
Min Time	07:31:42
TWA (8 hr)	0.019
TWA Start Date	04/15/2020
TWA Start Time	07:01:42
TWA End Time	10:46:42

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
1	04/15/2020	07:16:42	0.020
2	04/15/2020	07:31:42	0.014
3	04/15/2020	07:46:42	0.019
4	04/15/2020	08:01:42	0.018
5	04/15/2020	08:16:42	0.029
6	04/15/2020	08:31:42	0.103
7	04/15/2020	08:46:42	0.082
8	04/15/2020	09:01:42	0.056
9	04/15/2020	09:16:42	0.044
10	04/15/2020	09:31:42	0.048
11	04/15/2020	09:46:42	0.028
12	04/15/2020	10:01:42	0.026
13	04/15/2020	10:16:42	0.024
14	04/15/2020	10:31:42	0.064
15	04/15/2020	10:46:42	0.035

Workzone CAMP PID Data

==========
19/12/03 09:17
****
Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-912310
Unit Firmw V2.20A

Running M Hygiene Mode
Datalog Mc Auto
Diagnostic No
Stop Reaso Battery Low

Site ID RAE00000
User ID USER0000

Begin 12/3/2019 9:17
End 12/3/2019 13:44
Sample Per 60
Number of 266

Sensor PID(ppm)
Sensor SN S023030031VC
Measure T Avg
Span 100
Span 2 1000
Low Alarm 50
High Alarm 100
Over Alarm 15000
STEL Alarm 25
TWA Alarm 10
Measurem Isobutylene
Calibration 11/27/2019 14:14
Peak N/A
Min N/A
Average N/A

****
Datalog

Index	Date/Time	PID(ppm) (Avg)
1	12/3/2019 9:18	0
2	12/3/2019 9:19	0
3	12/3/2019 9:20	0
4	12/3/2019 9:21	0
5	12/3/2019 9:22	0

6	12/3/2019 9:23	0
7	12/3/2019 9:24	0
8	12/3/2019 9:25	0
9	12/3/2019 9:26	0
10	12/3/2019 9:27	0
11	12/3/2019 9:28	0
12	12/3/2019 9:29	0
13	12/3/2019 9:30	0
14	12/3/2019 9:31	0
15	12/3/2019 9:32	0
16	12/3/2019 9:33	0
17	12/3/2019 9:34	0
18	12/3/2019 9:35	0
19	12/3/2019 9:36	0
20	12/3/2019 9:37	0
21	12/3/2019 9:38	0
22	12/3/2019 9:39	0
23	12/3/2019 9:40	0
24	12/3/2019 9:41	0
25	12/3/2019 9:42	0
26	12/3/2019 9:43	0
27	12/3/2019 9:44	0
28	12/3/2019 9:45	0
29	12/3/2019 9:46	0
30	12/3/2019 9:47	0
31	12/3/2019 9:48	0
32	12/3/2019 9:49	0
33	12/3/2019 9:50	0
34	12/3/2019 9:51	0
35	12/3/2019 9:52	0.1
36	12/3/2019 9:53	0.1
37	12/3/2019 9:54	0.2
38	12/3/2019 9:55	0.3
39	12/3/2019 9:56	0.3
40	12/3/2019 9:57	0.2
41	12/3/2019 9:58	0.2
42	12/3/2019 9:59	0.2
43	12/3/2019 10:00	0.2
44	12/3/2019 10:01	0.2
45	12/3/2019 10:02	0.1
46	12/3/2019 10:03	0.1
47	12/3/2019 10:04	0.1
48	12/3/2019 10:05	0.1
49	12/3/2019 10:06	0.1
50	12/3/2019 10:07	0.1
51	12/3/2019 10:08	0.1
52	12/3/2019 10:09	0.1

53	12/3/2019 10:10	0.1
54	12/3/2019 10:11	0.1
55	12/3/2019 10:12	0.1
56	12/3/2019 10:13	0.1
57	12/3/2019 10:14	0.1
58	12/3/2019 10:15	0.1
59	12/3/2019 10:16	0.1
60	12/3/2019 10:17	0.1
61	12/3/2019 10:18	0.2
62	12/3/2019 10:19	0.2
63	12/3/2019 10:20	0.2
64	12/3/2019 10:21	0.2
65	12/3/2019 10:22	0.2
66	12/3/2019 10:23	0.2
67	12/3/2019 10:24	0.2
68	12/3/2019 10:25	0.2
69	12/3/2019 10:26	0.3
70	12/3/2019 10:27	0.4
71	12/3/2019 10:28	0.4
72	12/3/2019 10:29	0.4
73	12/3/2019 10:30	0.4
74	12/3/2019 10:31	0.4
75	12/3/2019 10:32	0.4
76	12/3/2019 10:33	0.4
77	12/3/2019 10:34	0.4
78	12/3/2019 10:35	0.4
79	12/3/2019 10:36	0.4
80	12/3/2019 10:37	0.4
81	12/3/2019 10:38	0.4
82	12/3/2019 10:39	0.3
83	12/3/2019 10:40	0.3
84	12/3/2019 10:41	0.3
85	12/3/2019 10:42	0.3
86	12/3/2019 10:43	0.3
87	12/3/2019 10:44	0.2
88	12/3/2019 10:45	0.2
89	12/3/2019 10:46	0.2
90	12/3/2019 10:47	0.2
91	12/3/2019 10:48	0.2
92	12/3/2019 10:49	0.2
93	12/3/2019 10:50	0.2
94	12/3/2019 10:51	0.2
95	12/3/2019 10:52	0.3
96	12/3/2019 10:53	0.3
97	12/3/2019 10:54	0.3
98	12/3/2019 10:55	0.3
99	12/3/2019 10:56	0.3

100	12/3/2019 10:57	0.4
101	12/3/2019 10:58	0.4
102	12/3/2019 10:59	0.4
103	12/3/2019 11:00	0.4
104	12/3/2019 11:01	0.4
105	12/3/2019 11:02	0.4
106	12/3/2019 11:03	0.3
107	12/3/2019 11:04	0.3
108	12/3/2019 11:05	0.3
109	12/3/2019 11:06	0.3
110	12/3/2019 11:07	0.2
111	12/3/2019 11:08	0.2
112	12/3/2019 11:09	0.2
113	12/3/2019 11:10	0.2
114	12/3/2019 11:11	0.2
115	12/3/2019 11:12	0.2
116	12/3/2019 11:13	0.2
117	12/3/2019 11:14	0.3
118	12/3/2019 11:15	0.3
119	12/3/2019 11:16	0.4
120	12/3/2019 11:17	0.4
121	12/3/2019 11:18	0.4
122	12/3/2019 11:19	0.4
123	12/3/2019 11:20	0.4
124	12/3/2019 11:21	0.4
125	12/3/2019 11:22	0.4
126	12/3/2019 11:23	0.4
127	12/3/2019 11:24	0.4
128	12/3/2019 11:25	0.4
129	12/3/2019 11:26	0.4
130	12/3/2019 11:27	0.4
131	12/3/2019 11:28	0.4
132	12/3/2019 11:29	0.4
133	12/3/2019 11:30	0.4
134	12/3/2019 11:31	0.4
135	12/3/2019 11:32	0.4
136	12/3/2019 11:33	0.4
137	12/3/2019 11:34	0.4
138	12/3/2019 11:35	0.4
139	12/3/2019 11:36	0.4
140	12/3/2019 11:37	0.4
141	12/3/2019 11:38	0.4
142	12/3/2019 11:39	0.4
143	12/3/2019 11:40	0.4
144	12/3/2019 11:41	0.4
145	12/3/2019 11:42	0.4
146	12/3/2019 11:43	0.4

147	12/3/2019 11:44	0.4
148	12/3/2019 11:45	0.4
149	12/3/2019 11:46	0.4
150	12/3/2019 11:47	0.4
151	12/3/2019 11:48	0.4
152	12/3/2019 11:49	0.4
153	12/3/2019 11:50	0.4
154	12/3/2019 11:51	0.4
155	12/3/2019 11:52	0.4
156	12/3/2019 11:53	0.4
157	12/3/2019 11:54	0.3
158	12/3/2019 11:55	0.3
159	12/3/2019 11:56	0.3
160	12/3/2019 11:57	0.3
161	12/3/2019 11:58	0.3
162	12/3/2019 11:59	0.3
163	12/3/2019 12:00	0.3
164	12/3/2019 12:01	0.3
165	12/3/2019 12:02	0.3
166	12/3/2019 12:03	0.3
167	12/3/2019 12:04	0.3
168	12/3/2019 12:05	0.3
169	12/3/2019 12:06	0.2
170	12/3/2019 12:07	0.2
171	12/3/2019 12:08	0.2
172	12/3/2019 12:09	0.2
173	12/3/2019 12:10	0.2
174	12/3/2019 12:11	0.2
175	12/3/2019 12:12	0.2
176	12/3/2019 12:13	0.2
177	12/3/2019 12:14	0.2
178	12/3/2019 12:15	0.3
179	12/3/2019 12:16	0.3
180	12/3/2019 12:17	0.3
181	12/3/2019 12:18	0.3
182	12/3/2019 12:19	0.3
183	12/3/2019 12:20	0.3
184	12/3/2019 12:21	0.3
185	12/3/2019 12:22	0.3
186	12/3/2019 12:23	0.3
187	12/3/2019 12:24	0.3
188	12/3/2019 12:25	0.3
189	12/3/2019 12:26	0.3
190	12/3/2019 12:27	0.3
191	12/3/2019 12:28	0.3
192	12/3/2019 12:29	0.3
193	12/3/2019 12:30	0.3

194	12/3/2019 12:31	0.3
195	12/3/2019 12:32	0.4
196	12/3/2019 12:33	0.4
197	12/3/2019 12:34	0.4
198	12/3/2019 12:35	0.4
199	12/3/2019 12:36	0.3
200	12/3/2019 12:37	0.3
201	12/3/2019 12:38	0.3
202	12/3/2019 12:39	0.3
203	12/3/2019 12:40	0.3
204	12/3/2019 12:41	0.3
205	12/3/2019 12:42	0.3
206	12/3/2019 12:43	0.4
207	12/3/2019 12:44	0.4
208	12/3/2019 12:45	0.4
209	12/3/2019 12:46	0.4
210	12/3/2019 12:47	0.4
211	12/3/2019 12:48	0.4
212	12/3/2019 12:49	0.3
213	12/3/2019 12:50	0.3
214	12/3/2019 12:51	0.3
215	12/3/2019 12:52	0.3
216	12/3/2019 12:53	0.3
217	12/3/2019 12:54	0.3
218	12/3/2019 12:55	0.3
219	12/3/2019 12:56	0.3
220	12/3/2019 12:57	0.3
221	12/3/2019 12:58	0.3
222	12/3/2019 12:59	0.3
223	12/3/2019 13:00	0.3
224	12/3/2019 13:01	0.3
225	12/3/2019 13:02	0.3
226	12/3/2019 13:03	0.3
227	12/3/2019 13:04	0.3
228	12/3/2019 13:05	0.3
229	12/3/2019 13:06	0.3
230	12/3/2019 13:07	0.3
231	12/3/2019 13:08	0.3
232	12/3/2019 13:09	0.3
233	12/3/2019 13:10	0.3
234	12/3/2019 13:11	0.3
235	12/3/2019 13:12	0.3
236	12/3/2019 13:13	0.3
237	12/3/2019 13:14	0.3
238	12/3/2019 13:15	0.3
239	12/3/2019 13:16	0.3
240	12/3/2019 13:17	0.3

	241	12/3/2019 13:18	0.3
	242	12/3/2019 13:19	0.3
	243	12/3/2019 13:20	0.3
	244	12/3/2019 13:21	0.3
	245	12/3/2019 13:22	0.3
	246	12/3/2019 13:23	0.3
	247	12/3/2019 13:24	0.3
	248	12/3/2019 13:25	0.3
	249	12/3/2019 13:26	0.3
	250	12/3/2019 13:27	0.3
	251	12/3/2019 13:28	0.3
	252	12/3/2019 13:29	0.3
	253	12/3/2019 13:30	0.3
	254	12/3/2019 13:31	0.3
	255	12/3/2019 13:32	0.3
	256	12/3/2019 13:33	0.3
	257	12/3/2019 13:34	0.3
	258	12/3/2019 13:35	0.3
	259	12/3/2019 13:36	0.3
	260	12/3/2019 13:37	0.3
	261	12/3/2019 13:38	0.3
	262	12/3/2019 13:39	0.3
	263	12/3/2019 13:40	0.3
	264	12/3/2019 13:41	0.3
	265	12/3/2019 13:42	0.3
	266	12/3/2019 13:43	0.3
Peak			0.4
Min			0
Average			0.3

==========
19/12/03 13:55
****
Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-912310
Unit Firmw V2.20A

Running M Hygiene Mode
Datalog Mc Auto
Diagnostic No
Stop Reaso Power Down

Site ID RAE00000
User ID USER0000

Begin 12/3/2019 13:55
End 12/3/2019 16:27
Sample Per 60
Number of 152

Sensor PID(ppm)
Sensor SN S023030031VC
Measure T Avg
Span 100
Span 2 1000
Low Alarm 50
High Alarm 100
Over Alarm 15000
STEL Alarm 25
TWA Alarm 10
Measurem Isobutylene
Calibration 11/27/2019 14:14
Peak N/A
Min N/A
Average N/A

****
Datalog

Index	Date/Time	PID(ppm) (Avg)
1	12/3/2019 13:56	0.3
2	12/3/2019 13:57	0.3
3	12/3/2019 13:58	0.3
4	12/3/2019 13:59	0.3
5	12/3/2019 14:00	0.3

6	12/3/2019 14:01	0.3
7	12/3/2019 14:02	0.3
8	12/3/2019 14:03	0.3
9	12/3/2019 14:04	0.3
10	12/3/2019 14:05	0.3
11	12/3/2019 14:06	0.3
12	12/3/2019 14:07	0.3
13	12/3/2019 14:08	0.3
14	12/3/2019 14:09	0.3
15	12/3/2019 14:10	0.3
16	12/3/2019 14:11	0.4
17	12/3/2019 14:12	0.3
18	12/3/2019 14:13	0.3
19	12/3/2019 14:14	0.3
20	12/3/2019 14:15	0.3
21	12/3/2019 14:16	0.3
22	12/3/2019 14:17	0.3
23	12/3/2019 14:18	0.3
24	12/3/2019 14:19	0.3
25	12/3/2019 14:20	0.3
26	12/3/2019 14:21	0.3
27	12/3/2019 14:22	0.3
28	12/3/2019 14:23	0.3
29	12/3/2019 14:24	0.3
30	12/3/2019 14:25	0.3
31	12/3/2019 14:26	0.3
32	12/3/2019 14:27	0.3
33	12/3/2019 14:28	0.3
34	12/3/2019 14:29	0.3
35	12/3/2019 14:30	0.3
36	12/3/2019 14:31	0.3
37	12/3/2019 14:32	0.3
38	12/3/2019 14:33	0.3
39	12/3/2019 14:34	0.3
40	12/3/2019 14:35	0.3
41	12/3/2019 14:36	0.3
42	12/3/2019 14:37	0.3
43	12/3/2019 14:38	0.3
44	12/3/2019 14:39	0.3
45	12/3/2019 14:40	0.3
46	12/3/2019 14:41	0.3
47	12/3/2019 14:42	0.3
48	12/3/2019 14:43	0.3
49	12/3/2019 14:44	0.3
50	12/3/2019 14:45	0.3
51	12/3/2019 14:46	0.3
52	12/3/2019 14:47	0.3

53	12/3/2019 14:48	0.3
54	12/3/2019 14:49	0.3
55	12/3/2019 14:50	0.3
56	12/3/2019 14:51	0.3
57	12/3/2019 14:52	0.3
58	12/3/2019 14:53	0.3
59	12/3/2019 14:54	0.3
60	12/3/2019 14:55	0.3
61	12/3/2019 14:56	0.3
62	12/3/2019 14:57	0.3
63	12/3/2019 14:58	0.3
64	12/3/2019 14:59	0.3
65	12/3/2019 15:00	0.3
66	12/3/2019 15:01	0.3
67	12/3/2019 15:02	0.3
68	12/3/2019 15:03	0.3
69	12/3/2019 15:04	0.3
70	12/3/2019 15:05	0.3
71	12/3/2019 15:06	0.3
72	12/3/2019 15:07	0.3
73	12/3/2019 15:08	0.3
74	12/3/2019 15:09	0.3
75	12/3/2019 15:10	0.3
76	12/3/2019 15:11	0.3
77	12/3/2019 15:12	0.3
78	12/3/2019 15:13	0.3
79	12/3/2019 15:14	0.3
80	12/3/2019 15:15	0.3
81	12/3/2019 15:16	0.3
82	12/3/2019 15:17	0.3
83	12/3/2019 15:18	0.3
84	12/3/2019 15:19	0.3
85	12/3/2019 15:20	0.3
86	12/3/2019 15:21	0.3
87	12/3/2019 15:22	0.3
88	12/3/2019 15:23	0.3
89	12/3/2019 15:24	0.3
90	12/3/2019 15:25	0.4
91	12/3/2019 15:26	0.4
92	12/3/2019 15:27	0.4
93	12/3/2019 15:28	0.4
94	12/3/2019 15:29	0.4
95	12/3/2019 15:30	0.4
96	12/3/2019 15:31	0.4
97	12/3/2019 15:32	0.4
98	12/3/2019 15:33	0.4
99	12/3/2019 15:34	0.4

100	12/3/2019 15:35	0.4
101	12/3/2019 15:36	0.3
102	12/3/2019 15:37	0.3
103	12/3/2019 15:38	0.3
104	12/3/2019 15:39	0.3
105	12/3/2019 15:40	0.3
106	12/3/2019 15:41	0.3
107	12/3/2019 15:42	0.3
108	12/3/2019 15:43	0.3
109	12/3/2019 15:44	0.3
110	12/3/2019 15:45	0.3
111	12/3/2019 15:46	0.3
112	12/3/2019 15:47	0.3
113	12/3/2019 15:48	0.3
114	12/3/2019 15:49	0.3
115	12/3/2019 15:50	0.3
116	12/3/2019 15:51	0.3
117	12/3/2019 15:52	0.3
118	12/3/2019 15:53	0.3
119	12/3/2019 15:54	0.3
120	12/3/2019 15:55	0.3
121	12/3/2019 15:56	0.3
122	12/3/2019 15:57	0.3
123	12/3/2019 15:58	0.3
124	12/3/2019 15:59	0.3
125	12/3/2019 16:00	0.3
126	12/3/2019 16:01	0.4
127	12/3/2019 16:02	0.4
128	12/3/2019 16:03	0.4
129	12/3/2019 16:04	0.4
130	12/3/2019 16:05	0.4
131	12/3/2019 16:06	0.4
132	12/3/2019 16:07	0.4
133	12/3/2019 16:08	0.4
134	12/3/2019 16:09	0.4
135	12/3/2019 16:10	0.4
136	12/3/2019 16:11	0.5
137	12/3/2019 16:12	0.5
138	12/3/2019 16:13	0.5
139	12/3/2019 16:14	0.5
140	12/3/2019 16:15	0.4
141	12/3/2019 16:16	0.4
142	12/3/2019 16:17	0.4
143	12/3/2019 16:18	0.4
144	12/3/2019 16:19	0.4
145	12/3/2019 16:20	0.4
146	12/3/2019 16:21	0.4

147	12/3/2019 16:22	0.4
148	12/3/2019 16:23	0.4
149	12/3/2019 16:24	0.4
150	12/3/2019 16:25	0.4
151	12/3/2019 16:26	0.4
152	12/3/2019 16:27	0.4
Peak		0.5
Min		0.3
Average		0.3

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19/12/04 08:21
****
Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-912310
Unit Firmw V2.20A

Running M Hygiene Mode
Datalog Mc Auto
Diagnostic No
Stop Reaso Power Down

Site ID RAE00000
User ID USER0000

Begin 12/4/2019 8:21
End 12/4/2019 16:33
Sample Per 60
Number of 491

Sensor PID(ppm)
Sensor SN S023030031VC
Measure T Avg
Span 100
Span 2 1000
Low Alarm 50
High Alarm 100
Over Alarm 15000
STEL Alarm 25
TWA Alarm 10
Measurem Isobutylene
Calibration 11/27/2019 14:14
Peak N/A
Min N/A
Average N/A

****
Datalog

Index	Date/Time	PID(ppm) (Avg)
1	12/4/2019 8:22	0.2
2	12/4/2019 8:23	0.1
3	12/4/2019 8:24	0.1
4	12/4/2019 8:25	0.1
5	12/4/2019 8:26	0.1

6	12/4/2019 8:27	0.2
7	12/4/2019 8:28	0.2
8	12/4/2019 8:29	0.1
9	12/4/2019 8:30	0.1
10	12/4/2019 8:31	0.1
11	12/4/2019 8:32	0.1
12	12/4/2019 8:33	0.1
13	12/4/2019 8:34	0.1
14	12/4/2019 8:35	0.1
15	12/4/2019 8:36	0.1
16	12/4/2019 8:37	0.1
17	12/4/2019 8:38	0.1
18	12/4/2019 8:39	0.1
19	12/4/2019 8:40	0.1
20	12/4/2019 8:41	0.1
21	12/4/2019 8:42	0.1
22	12/4/2019 8:43	0
23	12/4/2019 8:44	0
24	12/4/2019 8:45	0
25	12/4/2019 8:46	0
26	12/4/2019 8:47	0
27	12/4/2019 8:48	0.1
28	12/4/2019 8:49	0.1
29	12/4/2019 8:50	0.1
30	12/4/2019 8:51	0.1
31	12/4/2019 8:52	0.1
32	12/4/2019 8:53	0
33	12/4/2019 8:54	0
34	12/4/2019 8:55	0
35	12/4/2019 8:56	0
36	12/4/2019 8:57	0
37	12/4/2019 8:58	0
38	12/4/2019 8:59	0
39	12/4/2019 9:00	0
40	12/4/2019 9:01	0
41	12/4/2019 9:02	0
42	12/4/2019 9:03	0.1
43	12/4/2019 9:04	0.1
44	12/4/2019 9:05	0.1
45	12/4/2019 9:06	0.1
46	12/4/2019 9:07	0.1
47	12/4/2019 9:08	0.1
48	12/4/2019 9:09	0.1
49	12/4/2019 9:10	0.1
50	12/4/2019 9:11	0.1
51	12/4/2019 9:12	0.1
52	12/4/2019 9:13	0.1

53	12/4/2019 9:14	0
54	12/4/2019 9:15	0
55	12/4/2019 9:16	0
56	12/4/2019 9:17	0
57	12/4/2019 9:18	0
58	12/4/2019 9:19	0
59	12/4/2019 9:20	0
60	12/4/2019 9:21	0
61	12/4/2019 9:22	0
62	12/4/2019 9:23	0
63	12/4/2019 9:24	0
64	12/4/2019 9:25	0.1
65	12/4/2019 9:26	0.1
66	12/4/2019 9:27	0.1
67	12/4/2019 9:28	0.1
68	12/4/2019 9:29	0.1
69	12/4/2019 9:30	0.1
70	12/4/2019 9:31	0.1
71	12/4/2019 9:32	0.1
72	12/4/2019 9:33	0.1
73	12/4/2019 9:34	0.1
74	12/4/2019 9:35	0.1
75	12/4/2019 9:36	0.1
76	12/4/2019 9:37	0.1
77	12/4/2019 9:38	0.1
78	12/4/2019 9:39	0.1
79	12/4/2019 9:40	0.1
80	12/4/2019 9:41	0.1
81	12/4/2019 9:42	0.1
82	12/4/2019 9:43	0.1
83	12/4/2019 9:44	0.1
84	12/4/2019 9:45	0.1
85	12/4/2019 9:46	0.1
86	12/4/2019 9:47	0.1
87	12/4/2019 9:48	0.1
88	12/4/2019 9:49	0.1
89	12/4/2019 9:50	0.1
90	12/4/2019 9:51	0.1
91	12/4/2019 9:52	0.1
92	12/4/2019 9:53	0.1
93	12/4/2019 9:54	0.1
94	12/4/2019 9:55	0.1
95	12/4/2019 9:56	0.1
96	12/4/2019 9:57	0.1
97	12/4/2019 9:58	0.1
98	12/4/2019 9:59	0.1
99	12/4/2019 10:00	0.1

100	12/4/2019 10:01	0.1
101	12/4/2019 10:02	0.1
102	12/4/2019 10:03	0.1
103	12/4/2019 10:04	0.1
104	12/4/2019 10:05	0.2
105	12/4/2019 10:06	0.2
106	12/4/2019 10:07	0.3
107	12/4/2019 10:08	0.3
108	12/4/2019 10:09	0.3
109	12/4/2019 10:10	0.3
110	12/4/2019 10:11	0.4
111	12/4/2019 10:12	0.4
112	12/4/2019 10:13	0.4
113	12/4/2019 10:14	0.4
114	12/4/2019 10:15	0.4
115	12/4/2019 10:16	0.4
116	12/4/2019 10:17	0.4
117	12/4/2019 10:18	0.4
118	12/4/2019 10:19	0.4
119	12/4/2019 10:20	0.4
120	12/4/2019 10:21	0.5
121	12/4/2019 10:22	0.5
122	12/4/2019 10:23	0.5
123	12/4/2019 10:24	0.5
124	12/4/2019 10:25	0.5
125	12/4/2019 10:26	0.5
126	12/4/2019 10:27	0.5
127	12/4/2019 10:28	0.5
128	12/4/2019 10:29	0.5
129	12/4/2019 10:30	0.5
130	12/4/2019 10:31	0.5
131	12/4/2019 10:32	0.5
132	12/4/2019 10:33	0.5
133	12/4/2019 10:34	0.5
134	12/4/2019 10:35	0.5
135	12/4/2019 10:36	0.5
136	12/4/2019 10:37	0.5
137	12/4/2019 10:38	0.5
138	12/4/2019 10:39	0.5
139	12/4/2019 10:40	0.5
140	12/4/2019 10:41	0.5
141	12/4/2019 10:42	0.5
142	12/4/2019 10:43	0.5
143	12/4/2019 10:44	0.5
144	12/4/2019 10:45	0.5
145	12/4/2019 10:46	0.5
146	12/4/2019 10:47	0.5

147	12/4/2019 10:48	0.5
148	12/4/2019 10:49	0.5
149	12/4/2019 10:50	0.6
150	12/4/2019 10:51	0.6
151	12/4/2019 10:52	0.6
152	12/4/2019 10:53	0.6
153	12/4/2019 10:54	0.6
154	12/4/2019 10:55	0.6
155	12/4/2019 10:56	0.6
156	12/4/2019 10:57	0.6
157	12/4/2019 10:58	0.6
158	12/4/2019 10:59	0.6
159	12/4/2019 11:00	0.6
160	12/4/2019 11:01	0.6
161	12/4/2019 11:02	0.6
162	12/4/2019 11:03	0.6
163	12/4/2019 11:04	0.6
164	12/4/2019 11:05	0.6
165	12/4/2019 11:06	0.6
166	12/4/2019 11:07	0.6
167	12/4/2019 11:08	0.6
168	12/4/2019 11:09	0.6
169	12/4/2019 11:10	0.6
170	12/4/2019 11:11	0.6
171	12/4/2019 11:12	0.6
172	12/4/2019 11:13	0.6
173	12/4/2019 11:14	0.6
174	12/4/2019 11:15	0.6
175	12/4/2019 11:16	0.6
176	12/4/2019 11:17	0.6
177	12/4/2019 11:18	0.6
178	12/4/2019 11:19	0.6
179	12/4/2019 11:20	0.6
180	12/4/2019 11:21	0.6
181	12/4/2019 11:22	0.6
182	12/4/2019 11:23	0.6
183	12/4/2019 11:24	0.6
184	12/4/2019 11:25	0.6
185	12/4/2019 11:26	0.6
186	12/4/2019 11:27	0.6
187	12/4/2019 11:28	0.6
188	12/4/2019 11:29	0.6
189	12/4/2019 11:30	0.7
190	12/4/2019 11:31	0.7
191	12/4/2019 11:32	0.7
192	12/4/2019 11:33	0.7
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490	12/4/2019 16:31	0.6
491	12/4/2019 16:32	0.6
Peak		0.8
Min		0
Average		0.4

==========
19/12/05 08:23
****
Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-912310
Unit Firmw V2.20A

Running M Hygiene Mode
Datalog Mc Auto
Diagnostic No
Stop Reaso Power Down

Site ID RAE00000
User ID USER0000

Begin 12/5/2019 8:23
End 12/5/2019 16:30
Sample Per 60
Number of 487

Sensor PID(ppm)
Sensor SN S023030031VC
Measure T Avg
Span 100
Span 2 1000
Low Alarm 50
High Alarm 100
Over Alarm 15000
STEL Alarm 25
TWA Alarm 10
Measurem Isobutylene
Calibration 11/27/2019 14:14
Peak N/A
Min N/A
Average N/A

****
Datalog

Index	Date/Time	PID(ppm) (Avg)
1	12/5/2019 8:24	0.1
2	12/5/2019 8:25	0.1
3	12/5/2019 8:26	0.1
4	12/5/2019 8:27	0.2
5	12/5/2019 8:28	0.1

6	12/5/2019 8:29	0.2
7	12/5/2019 8:30	0.1
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13	12/5/2019 8:36	0.1
14	12/5/2019 8:37	0.1
15	12/5/2019 8:38	0.1
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18	12/5/2019 8:41	0.1
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22	12/5/2019 8:45	0
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52	12/5/2019 9:15	0.2

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	485	12/5/2019 16:28	1
	486	12/5/2019 16:29	1
	487	12/5/2019 16:30	1
Peak			1.1
Min			0
Average			0.7

==========
19/12/06 08:36
****
Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-912310
Unit Firmw V2.20A

Running M Hygiene Mode
Datalog Mc Auto
Diagnostic No
Stop Reaso Power Down

Site ID RAE00000
User ID USER0000

Begin 12/6/2019 8:36
End 12/6/2019 16:11
Sample Per 60
Number of 455

Sensor PID(ppm)
Sensor SN S023030031VC
Measure T Avg
Span 100
Span 2 1000
Low Alarm 50
High Alarm 100
Over Alarm 15000
STEL Alarm 25
TWA Alarm 10
Measurem Isobutylene
Calibration 11/27/2019 14:14
Peak N/A
Min N/A
Average N/A

****
Datalog

Index	Date/Time	PID(ppm) (Avg)
1	12/6/2019 8:37	0
2	12/6/2019 8:38	0.2
3	12/6/2019 8:39	0.2
4	12/6/2019 8:40	0.2
5	12/6/2019 8:41	0.2

6	12/6/2019 8:42	0.2
7	12/6/2019 8:43	0.2
8	12/6/2019 8:44	0.2
9	12/6/2019 8:45	0.2
10	12/6/2019 8:46	0.2
11	12/6/2019 8:47	0.2
12	12/6/2019 8:48	0.2
13	12/6/2019 8:49	0.2
14	12/6/2019 8:50	0.2
15	12/6/2019 8:51	0.2
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26	12/6/2019 9:02	0.3
27	12/6/2019 9:03	0.3
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193	12/6/2019 11:49	1.2

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195	12/6/2019 11:51	1.3
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210	12/6/2019 12:06	1.5
211	12/6/2019 12:07	1.5
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213	12/6/2019 12:09	1.5
214	12/6/2019 12:10	1.6
215	12/6/2019 12:11	1.6
216	12/6/2019 12:12	1.7
217	12/6/2019 12:13	1.7
218	12/6/2019 12:14	1.6
219	12/6/2019 12:15	1.6
220	12/6/2019 12:16	1.6
221	12/6/2019 12:17	1.6
222	12/6/2019 12:18	1.6
223	12/6/2019 12:19	1.6
224	12/6/2019 12:20	1.6
225	12/6/2019 12:21	1.6
226	12/6/2019 12:22	1.7
227	12/6/2019 12:23	1.7
228	12/6/2019 12:24	1.8
229	12/6/2019 12:25	1.9
230	12/6/2019 12:26	1.9
231	12/6/2019 12:27	2
232	12/6/2019 12:28	2
233	12/6/2019 12:29	2
234	12/6/2019 12:30	2.1
235	12/6/2019 12:31	2.4
236	12/6/2019 12:32	2.5
237	12/6/2019 12:33	2.4
238	12/6/2019 12:34	2.6
239	12/6/2019 12:35	2.7
240	12/6/2019 12:36	2.6

241	12/6/2019 12:37	2.5
242	12/6/2019 12:38	2.5
243	12/6/2019 12:39	2.7
244	12/6/2019 12:40	3.1
245	12/6/2019 12:41	3.7
246	12/6/2019 12:42	4.1
247	12/6/2019 12:43	4.1
248	12/6/2019 12:44	4
249	12/6/2019 12:45	4.1
250	12/6/2019 12:46	4.1
251	12/6/2019 12:47	4.1
252	12/6/2019 12:48	4.1
253	12/6/2019 12:49	4.1
254	12/6/2019 12:50	4.1
255	12/6/2019 12:51	4
256	12/6/2019 12:52	4
257	12/6/2019 12:53	3.9
258	12/6/2019 12:54	3.8
259	12/6/2019 12:55	3.8
260	12/6/2019 12:56	3.9
261	12/6/2019 12:57	3.9
262	12/6/2019 12:58	3.8
263	12/6/2019 12:59	3.8
264	12/6/2019 13:00	3.7
265	12/6/2019 13:01	3.7
266	12/6/2019 13:02	3.7
267	12/6/2019 13:03	3.7
268	12/6/2019 13:04	3.7
269	12/6/2019 13:05	3.6
270	12/6/2019 13:06	3.6
271	12/6/2019 13:07	3.6
272	12/6/2019 13:08	3.6
273	12/6/2019 13:09	3.6
274	12/6/2019 13:10	3.7
275	12/6/2019 13:11	3.7
276	12/6/2019 13:12	3.7
277	12/6/2019 13:13	3.8
278	12/6/2019 13:14	3.9
279	12/6/2019 13:15	3.9
280	12/6/2019 13:16	4
281	12/6/2019 13:17	4
282	12/6/2019 13:18	4
283	12/6/2019 13:19	4.1
284	12/6/2019 13:20	4.1
285	12/6/2019 13:21	4.1
286	12/6/2019 13:22	4.2
287	12/6/2019 13:23	4.2

288	12/6/2019 13:24	4.1
289	12/6/2019 13:25	4.1
290	12/6/2019 13:26	3.9
291	12/6/2019 13:27	3.9
292	12/6/2019 13:28	3.9
293	12/6/2019 13:29	3.9
294	12/6/2019 13:30	3.9
295	12/6/2019 13:31	3.8
296	12/6/2019 13:32	3.8
297	12/6/2019 13:33	3.7
298	12/6/2019 13:34	3.7
299	12/6/2019 13:35	3.7
300	12/6/2019 13:36	3.7
301	12/6/2019 13:37	3.7
302	12/6/2019 13:38	3.6
303	12/6/2019 13:39	3.6
304	12/6/2019 13:40	3.5
305	12/6/2019 13:41	3.5
306	12/6/2019 13:42	3.4
307	12/6/2019 13:43	3.4
308	12/6/2019 13:44	3.3
309	12/6/2019 13:45	3.3
310	12/6/2019 13:46	3.3
311	12/6/2019 13:47	3.2
312	12/6/2019 13:48	3.2
313	12/6/2019 13:49	3.1
314	12/6/2019 13:50	3.1
315	12/6/2019 13:51	3.1
316	12/6/2019 13:52	3
317	12/6/2019 13:53	3
318	12/6/2019 13:54	2.9
319	12/6/2019 13:55	2.9
320	12/6/2019 13:56	2.9
321	12/6/2019 13:57	2.9
322	12/6/2019 13:58	2.9
323	12/6/2019 13:59	2.9
324	12/6/2019 14:00	2.8
325	12/6/2019 14:01	2.8
326	12/6/2019 14:02	2.8
327	12/6/2019 14:03	2.7
328	12/6/2019 14:04	2.7
329	12/6/2019 14:05	2.6
330	12/6/2019 14:06	2.5
331	12/6/2019 14:07	2.5
332	12/6/2019 14:08	2.5
333	12/6/2019 14:09	2.4
334	12/6/2019 14:10	2.4

335	12/6/2019 14:11	2.3
336	12/6/2019 14:12	2.3
337	12/6/2019 14:13	2.3
338	12/6/2019 14:14	2.2
339	12/6/2019 14:15	2.2
340	12/6/2019 14:16	2.2
341	12/6/2019 14:17	2.2
342	12/6/2019 14:18	2.1
343	12/6/2019 14:19	2.1
344	12/6/2019 14:20	2.1
345	12/6/2019 14:21	2.1
346	12/6/2019 14:22	2.1
347	12/6/2019 14:23	2.1
348	12/6/2019 14:24	2
349	12/6/2019 14:25	2
350	12/6/2019 14:26	2
351	12/6/2019 14:27	2
352	12/6/2019 14:28	2
353	12/6/2019 14:29	2
354	12/6/2019 14:30	2
355	12/6/2019 14:31	2
356	12/6/2019 14:32	2
357	12/6/2019 14:33	2
358	12/6/2019 14:34	2.1
359	12/6/2019 14:35	2
360	12/6/2019 14:36	2
361	12/6/2019 14:37	2
362	12/6/2019 14:38	2.1
363	12/6/2019 14:39	2
364	12/6/2019 14:40	2
365	12/6/2019 14:41	2
366	12/6/2019 14:42	2
367	12/6/2019 14:43	2
368	12/6/2019 14:44	1.9
369	12/6/2019 14:45	1.9
370	12/6/2019 14:46	1.9
371	12/6/2019 14:47	1.9
372	12/6/2019 14:48	1.9
373	12/6/2019 14:49	1.9
374	12/6/2019 14:50	1.9
375	12/6/2019 14:51	1.8
376	12/6/2019 14:52	1.8
377	12/6/2019 14:53	1.8
378	12/6/2019 14:54	1.8
379	12/6/2019 14:55	1.8
380	12/6/2019 14:56	1.8
381	12/6/2019 14:57	1.8

382	12/6/2019 14:58	1.8
383	12/6/2019 14:59	1.7
384	12/6/2019 15:00	1.7
385	12/6/2019 15:01	1.7
386	12/6/2019 15:02	1.7
387	12/6/2019 15:03	1.7
388	12/6/2019 15:04	1.6
389	12/6/2019 15:05	1.7
390	12/6/2019 15:06	1.6
391	12/6/2019 15:07	1.6
392	12/6/2019 15:08	1.6
393	12/6/2019 15:09	1.6
394	12/6/2019 15:10	1.6
395	12/6/2019 15:11	1.6
396	12/6/2019 15:12	1.6
397	12/6/2019 15:13	1.6
398	12/6/2019 15:14	1.6
399	12/6/2019 15:15	1.6
400	12/6/2019 15:16	1.6
401	12/6/2019 15:17	1.5
402	12/6/2019 15:18	1.5
403	12/6/2019 15:19	1.5
404	12/6/2019 15:20	1.5
405	12/6/2019 15:21	1.5
406	12/6/2019 15:22	1.5
407	12/6/2019 15:23	1.5
408	12/6/2019 15:24	1.5
409	12/6/2019 15:25	1.5
410	12/6/2019 15:26	1.5
411	12/6/2019 15:27	1.5
412	12/6/2019 15:28	1.5
413	12/6/2019 15:29	1.5
414	12/6/2019 15:30	1.5
415	12/6/2019 15:31	1.5
416	12/6/2019 15:32	1.5
417	12/6/2019 15:33	1.5
418	12/6/2019 15:34	1.5
419	12/6/2019 15:35	1.5
420	12/6/2019 15:36	1.5
421	12/6/2019 15:37	1.4
422	12/6/2019 15:38	1.4
423	12/6/2019 15:39	1.4
424	12/6/2019 15:40	1.4
425	12/6/2019 15:41	1.4
426	12/6/2019 15:42	1.4
427	12/6/2019 15:43	1.4
428	12/6/2019 15:44	1.4

429	12/6/2019 15:45	1.4
430	12/6/2019 15:46	1.4
431	12/6/2019 15:47	1.3
432	12/6/2019 15:48	1.3
433	12/6/2019 15:49	1.3
434	12/6/2019 15:50	1.3
435	12/6/2019 15:51	1.3
436	12/6/2019 15:52	1.3
437	12/6/2019 15:53	1.3
438	12/6/2019 15:54	1.3
439	12/6/2019 15:55	1.3
440	12/6/2019 15:56	1.2
441	12/6/2019 15:57	1.2
442	12/6/2019 15:58	1.3
443	12/6/2019 15:59	1.4
444	12/6/2019 16:00	1.4
445	12/6/2019 16:01	1.4
446	12/6/2019 16:02	1.4
447	12/6/2019 16:03	1.4
448	12/6/2019 16:04	1.4
449	12/6/2019 16:05	1.4
450	12/6/2019 16:06	1.4
451	12/6/2019 16:07	1.3
452	12/6/2019 16:08	1.3
453	12/6/2019 16:09	1.3
454	12/6/2019 16:10	1.3
455	12/6/2019 16:11	1.3
Peak		4.2
Min		0
Average		1.6

==========
20/01/16 07:07
****
Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-907676
Unit Firmw V2.20A

Running M Hygiene Mode
Datalog Mc Auto
Diagnostic No
Stop Reaso Power Down

Site ID 12345678
User ID 12345678

Begin 1/16/2020 7:07
End 1/16/2020 14:41
Sample Per 900
Number of 30

Sensor PID(ppm)
Sensor SN S023030130U6
Measure T Avg; Max; Real
Span 100
Span 2 1000
Low Alarm 50
High Alarm 100
Over Alarm 15000
STEL Alarm 25
TWA Alarm 10
Measurem Isobutylene
Calibration 12/27/2019 14:06
Peak 0
Min 0
Average 0

****
Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	1/16/2020 7:22	0	0	0
2	1/16/2020 7:37	0	0	0
3	1/16/2020 7:52	0	0	0
4	1/16/2020 8:07	0	0	0
5	1/16/2020 8:22	0	0	0

6	1/16/2020 8:37	0	0	0
7	1/16/2020 8:52	0	0	0
8	1/16/2020 9:07	0	0	0
9	1/16/2020 9:22	0	0	0
10	1/16/2020 9:37	0	0	0
11	1/16/2020 9:52	0	0	0
12	1/16/2020 10:07	0	0	0
13	1/16/2020 10:22	0	0	0
14	1/16/2020 10:37	0	0	0
15	1/16/2020 10:52	0	0	0
16	1/16/2020 11:07	0	0	0
17	1/16/2020 11:22	0	0	0
18	1/16/2020 11:37	0	0	0
19	1/16/2020 11:52	0	0	0
20	1/16/2020 12:07	0	0	0
21	1/16/2020 12:22	0	0	0
22	1/16/2020 12:37	0	0	0
23	1/16/2020 12:52	0	0	0
24	1/16/2020 13:07	0	0	0
25	1/16/2020 13:22	0	0	0
26	1/16/2020 13:37	0	0	0
27	1/16/2020 13:52	0	0	0
28	1/16/2020 14:07	0	0	0
29	1/16/2020 14:22	0	0	0
30	1/16/2020 14:37	0	0	0
Peak		0	0	0
Min		0	0	0
Average		0	0	0

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	1/16/2020 7:22	0	0
2	1/16/2020 7:37	0	0
3	1/16/2020 7:52	0	0
4	1/16/2020 8:07	0	0
5	1/16/2020 8:22	0	0
6	1/16/2020 8:37	0	0
7	1/16/2020 8:52	0	0
8	1/16/2020 9:07	0	0
9	1/16/2020 9:22	0	0
10	1/16/2020 9:37	0	0
11	1/16/2020 9:52	0	0
12	1/16/2020 10:07	0	0
13	1/16/2020 10:22	0	0
14	1/16/2020 10:37	0	0

15	1/16/2020 10:52	0	0
16	1/16/2020 11:07	0	0
17	1/16/2020 11:22	0	0
18	1/16/2020 11:37	0	0
19	1/16/2020 11:52	0	0
20	1/16/2020 12:07	0	0
21	1/16/2020 12:22	0	0
22	1/16/2020 12:37	0	0
23	1/16/2020 12:52	0	0
24	1/16/2020 13:07	0	0
25	1/16/2020 13:22	0	0
26	1/16/2020 13:37	0	0
27	1/16/2020 13:52	0	0
28	1/16/2020 14:07	0	0
29	1/16/2020 14:22	0	0
30	1/16/2020 14:37	0	0

Complete Work Zone PID Data

Note that the Work Zone PID was used to screen soil periodically throughout the injection well installation. Therefore, there are spikes within the readings. Additionally, due to the cold weather, the PID batteries drained quickly and equipment was periodically changed, causing gaps in some of the data.

****Please refer to the field notebook for more detailed explanations on any exceedances. or spikes in readings****

January 2020
Work Zone PID
Data

==========
20/01/20 08:47
****
Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-910712
Unit Firmware Ver	V2.20A
Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down
Site ID	12345678
User ID	12345678
Begin	1/20/2020 8:47
End	1/20/2020 12:49
Sample Period(s)	60
Number of Records	242
Sensor	PID(ppm)
Sensor SN	S023030021Q5
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	1/3/2020 12:41
Peak	1
Min	0
Average	0.1

****
Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	1/20/2020 7:48	0.1	0.1	0.1
2	1/20/2020 7:49	0.1	0.1	0.1
3	1/20/2020 7:50	0	0.1	0
4	1/20/2020 7:51	0.1	0.1	0
5	1/20/2020 7:52	0	0.1	0

6	1/20/2020 7:53	0	0	0
7	1/20/2020 7:54	0	0	0
8	1/20/2020 7:55	0	0.1	0
9	1/20/2020 7:56	0	0	0
10	1/20/2020 7:57	0	0	0
11	1/20/2020 7:58	0	0	0
12	1/20/2020 7:59	0	0	0
13	1/20/2020 8:00	0	0	0
14	1/20/2020 8:01	0	0	0
15	1/20/2020 8:02	0	0	0
16	1/20/2020 8:03	0	0	0
17	1/20/2020 8:04	0	0	0
18	1/20/2020 8:05	0	0	0
19	1/20/2020 8:06	0	0	0
20	1/20/2020 8:07	0	0	0
21	1/20/2020 8:08	0	0	0
22	1/20/2020 8:09	0	0	0
23	1/20/2020 8:10	0	0	0
24	1/20/2020 8:11	0	0	0
25	1/20/2020 8:12	0	0	0
26	1/20/2020 8:13	0	0	0
27	1/20/2020 8:14	0	0.1	0
28	1/20/2020 8:15	0	0	0
29	1/20/2020 8:16	0	0.1	0
30	1/20/2020 8:17	0	0	0
31	1/20/2020 8:18	0	0.1	0.1
32	1/20/2020 8:19	0.1	0.1	0.1
33	1/20/2020 8:20	0.1	0.1	0.1
34	1/20/2020 8:21	0.1	0.1	0.1
35	1/20/2020 8:22	0.1	0.1	0.1
36	1/20/2020 8:23	0.1	0.1	0.1
37	1/20/2020 8:24	0.1	0.1	0.1
38	1/20/2020 8:25	0.1	0.1	0.1
39	1/20/2020 8:26	0.1	0.1	0.1
40	1/20/2020 8:27	0.1	0.1	0.1
41	1/20/2020 8:28	0.1	0.1	0.1
42	1/20/2020 8:29	0.1	0.1	0.1
43	1/20/2020 8:30	0.1	0.1	0
44	1/20/2020 8:31	0.1	0.1	0.1
45	1/20/2020 8:32	0.1	0.1	0.1
46	1/20/2020 8:33	0.1	0.1	0
47	1/20/2020 8:34	0.1	0.1	0.1
48	1/20/2020 8:35	0.1	0.1	0.1
49	1/20/2020 8:36	0.1	0.1	0.1
50	1/20/2020 8:37	0	0.1	0.1
51	1/20/2020 8:38	0	0.1	0
52	1/20/2020 8:39	0	0.1	0.1

53	1/20/2020 8:40	0	0.1	0.1
54	1/20/2020 8:41	0	0.1	0.1
55	1/20/2020 8:42	0	0.1	0
56	1/20/2020 8:43	0	0	0
57	1/20/2020 8:44	0	0	0
58	1/20/2020 8:45	0	0.1	0
59	1/20/2020 8:46	0	0	0
60	1/20/2020 8:47	0	0	0
61	1/20/2020 8:48	0	0	0
62	1/20/2020 8:49	0	0	0
63	1/20/2020 8:50	0	0	0
64	1/20/2020 8:51	0	0	0
65	1/20/2020 8:52	0	0	0
66	1/20/2020 8:53	0	0	0
67	1/20/2020 8:54	0	0	0
68	1/20/2020 8:55	0	0	0
69	1/20/2020 8:56	0	0	0
70	1/20/2020 8:57	0	0	0
71	1/20/2020 8:58	0	0.1	0
72	1/20/2020 8:59	0	0	0
73	1/20/2020 9:00	0	0	0
74	1/20/2020 9:01	0	0	0
75	1/20/2020 9:02	0	0	0
76	1/20/2020 9:03	0	0	0
77	1/20/2020 9:04	0	0	0
78	1/20/2020 9:05	0	0	0
79	1/20/2020 9:06	0	0	0
80	1/20/2020 9:07	0	0	0
81	1/20/2020 9:08	0	0	0
82	1/20/2020 9:09	0	0	0
83	1/20/2020 9:10	0.1	0.1	0
84	1/20/2020 9:11	0.1	0.1	0.1
85	1/20/2020 9:12	0.1	0.1	0.1
86	1/20/2020 9:13	0.1	0.1	0.1
87	1/20/2020 9:14	0.1	0.1	0.1
88	1/20/2020 9:15	0.1	0.1	0.1
89	1/20/2020 9:16	0.1	0.1	0.1
90	1/20/2020 9:17	0.1	0.1	0.1
91	1/20/2020 9:18	0.1	0.1	0.1
92	1/20/2020 9:19	0.1	0.1	0.1
93	1/20/2020 9:20	0.1	0.1	0.1
94	1/20/2020 9:21	0.1	0.1	0.1
95	1/20/2020 9:22	0.1	0.1	0.1
96	1/20/2020 9:23	0.1	0.1	0.1
97	1/20/2020 9:24	0.1	0.1	0.1
98	1/20/2020 9:25	0.1	0.1	0.1
99	1/20/2020 9:26	0.1	0.1	0.1

100	1/20/2020 9:27	0.1	0.1	0.1
101	1/20/2020 9:28	0.1	0.1	0.1
102	1/20/2020 9:29	0.1	0.1	0.1
103	1/20/2020 9:30	0.1	0.1	0.1
104	1/20/2020 9:31	0.1	0.1	0.1
105	1/20/2020 9:32	0.1	0.1	0.1
106	1/20/2020 9:33	0.1	0.1	0.1
107	1/20/2020 9:34	0.1	0.1	0.1
108	1/20/2020 9:35	0.1	0.1	0.1
109	1/20/2020 9:36	0.1	0.1	0.1
110	1/20/2020 9:37	0.1	0.1	0.1
111	1/20/2020 9:38	0.1	0.1	0.1
112	1/20/2020 9:39	0.1	0.1	0.1
113	1/20/2020 9:40	0.1	0.1	0.1
114	1/20/2020 9:41	0.1	0.1	0.1
115	1/20/2020 9:42	0.1	0.1	0.1
116	1/20/2020 9:43	0.1	0.1	0.1
117	1/20/2020 9:44	0.1	0.1	0.1
118	1/20/2020 9:45	0.1	0.1	0.1
119	1/20/2020 9:46	0.1	0.1	0.1
120	1/20/2020 9:47	0.1	0.1	0.1
121	1/20/2020 9:48	0.1	0.1	0.1
122	1/20/2020 9:49	0.1	0.1	0.1
123	1/20/2020 9:50	0.1	0.1	0.1
124	1/20/2020 9:51	0.1	0.1	0.1
125	1/20/2020 9:52	0.1	0.1	0
126	1/20/2020 9:53	0.1	0.1	0.1
127	1/20/2020 9:54	0.1	0.1	0.1
128	1/20/2020 9:55	0	0.1	0
129	1/20/2020 9:56	0	0	0
130	1/20/2020 9:57	0	0	0
131	1/20/2020 9:58	0	0	0
132	1/20/2020 9:59	0	0	0
133	1/20/2020 10:00	0	0	0
134	1/20/2020 10:01	0	0	0
135	1/20/2020 10:02	0	0	0
136	1/20/2020 10:03	0	0	0
137	1/20/2020 10:04	0	0	0
138	1/20/2020 10:05	0	0	0
139	1/20/2020 10:06	0	0	0
140	1/20/2020 10:07	0	0	0
141	1/20/2020 10:08	0	0	0
142	1/20/2020 10:09	0	0	0
143	1/20/2020 10:10	0	0	0
144	1/20/2020 10:11	0	0	0
145	1/20/2020 10:12	0	0	0
146	1/20/2020 10:13	0	0	0

147	1/20/2020 10:14	0	0	0
148	1/20/2020 10:15	0	0	0
149	1/20/2020 10:16	0	0	0
150	1/20/2020 10:17	0	0	0
151	1/20/2020 10:18	0	0	0
152	1/20/2020 10:19	0	0	0
153	1/20/2020 10:20	0	0	0
154	1/20/2020 10:21	0	0	0
155	1/20/2020 10:22	0	0	0
156	1/20/2020 10:23	0	0	0
157	1/20/2020 10:24	0	0	0
158	1/20/2020 10:25	0	0	0
159	1/20/2020 10:26	0	0	0
160	1/20/2020 10:27	0	0	0
161	1/20/2020 10:28	0	0	0
162	1/20/2020 10:29	0	0	0
163	1/20/2020 10:30	0	0	0
164	1/20/2020 10:31	0	0	0
165	1/20/2020 10:32	0	0	0
166	1/20/2020 10:33	0	0	0
167	1/20/2020 10:34	0	0	0
168	1/20/2020 10:35	0	0	0
169	1/20/2020 10:36	0	0	0
170	1/20/2020 10:37	0	0	0
171	1/20/2020 10:38	0	0	0
172	1/20/2020 10:39	0	0	0
173	1/20/2020 10:40	0	0	0
174	1/20/2020 10:41	0	0	0
175	1/20/2020 10:42	0	0	0
176	1/20/2020 10:43	0	0	0
177	1/20/2020 10:44	0	0	0
178	1/20/2020 10:45	0	0	0
179	1/20/2020 10:46	0	0	0
180	1/20/2020 10:47	0	0	0
181	1/20/2020 10:48	0	0	0
182	1/20/2020 10:49	0	0	0
183	1/20/2020 10:50	0	0	0
184	1/20/2020 10:51	0.2	0.6	0.5
185	1/20/2020 10:52	0.3	0.7	0.1
186	1/20/2020 10:53	0.1	0.1	0.1
187	1/20/2020 10:54	0.3	0.7	0.7
188	1/20/2020 10:55	0.3	0.8	0.4
189	1/20/2020 10:56	0.3	0.5	0.2
190	1/20/2020 10:57	0.2	0.2	0.2
191	1/20/2020 10:58	0.2	0.2	0.2
192	1/20/2020 10:59	0.3	0.8	0.4
193	1/20/2020 11:00	0.5	0.9	0.3

194	1/20/2020 11:01	0.3	0.4	0.3
195	1/20/2020 11:02	0.3	0.3	0.3
196	1/20/2020 11:03	0.4	1	1
197	1/20/2020 11:04	0.6	1.2	0.3
198	1/20/2020 11:05	0.3	0.4	0.3
199	1/20/2020 11:06	0.3	0.3	0.3
200	1/20/2020 11:07	0.3	0.9	0.9
201	1/20/2020 11:08	0.7	1.1	0.3
202	1/20/2020 11:09	0.3	0.3	0.3
203	1/20/2020 11:10	0.3	0.3	0.2
204	1/20/2020 11:11	0.2	0.2	0.2
205	1/20/2020 11:12	0.2	0.2	0.1
206	1/20/2020 11:13	0.2	0.2	0.2
207	1/20/2020 11:14	0.3	0.5	0.4
208	1/20/2020 11:15	0.6	0.9	0.8
209	1/20/2020 11:16	0.5	0.8	0.3
210	1/20/2020 11:17	0.3	0.3	0.3
211	1/20/2020 11:18	0.3	0.3	0.3
212	1/20/2020 11:19	0.3	0.4	0.3
213	1/20/2020 11:20	0.3	0.3	0.2
214	1/20/2020 11:21	0.2	0.3	0.2
215	1/20/2020 11:22	0.2	0.2	0.2
216	1/20/2020 11:23	0.2	0.2	0.2
217	1/20/2020 11:24	0.1	0.2	0.1
218	1/20/2020 11:25	0.2	0.2	0.2
219	1/20/2020 11:26	0.3	0.7	0.3
220	1/20/2020 11:27	0.4	0.8	0.2
221	1/20/2020 11:28	0.2	0.2	0.2
222	1/20/2020 11:29	0.1	0.2	0.1
223	1/20/2020 11:30	0.1	0.1	0.1
224	1/20/2020 11:31	0.1	0.1	0.1
225	1/20/2020 11:32	0.1	0.1	0.1
226	1/20/2020 11:33	0.1	0.1	0.1
227	1/20/2020 11:34	0.1	0.1	0.1
228	1/20/2020 11:35	0.1	0.1	0
229	1/20/2020 11:36	0.1	0.1	0.1
230	1/20/2020 11:37	0.1	0.2	0.2
231	1/20/2020 11:38	0.2	0.2	0.2
232	1/20/2020 11:39	0.2	0.3	0.1
233	1/20/2020 11:40	0.2	0.3	0.1
234	1/20/2020 11:41	0.1	0.2	0.1
235	1/20/2020 11:42	0.1	0.1	0
236	1/20/2020 11:43	0.1	0.1	0.1
237	1/20/2020 11:44	0.1	0.1	0.1
238	1/20/2020 11:45	0.1	0.1	0.1
239	1/20/2020 11:46	0.1	0.1	0.1
240	1/20/2020 11:47	0.1	0.1	0.1

	241	1/20/2020 11:48	0	0.1	0
	242	1/20/2020 11:49	0	0.1	0
Peak			0.7	1.2	1
Min			0	0	0
Average			0.1	0.1	0.1

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)	
1	1/20/2020 8:48	0	---	
2	1/20/2020 8:49	0	---	
3	1/20/2020 8:50	0	---	
4	1/20/2020 8:51	0	---	
5	1/20/2020 8:52	0	---	
6	1/20/2020 8:53	0	---	
7	1/20/2020 8:54	0	---	
8	1/20/2020 8:55	0	---	
9	1/20/2020 8:56	0	---	
10	1/20/2020 8:57	0	---	
11	1/20/2020 8:58	0	---	
12	1/20/2020 8:59	0	---	
13	1/20/2020 9:00	0	---	
14	1/20/2020 9:01	0	---	
15	1/20/2020 9:02	0	0	
16	1/20/2020 9:03	0	0	
17	1/20/2020 9:04	0	0	
18	1/20/2020 9:05	0	0	
19	1/20/2020 9:06	0	0	
20	1/20/2020 9:07	0	0	
21	1/20/2020 9:08	0	0	
22	1/20/2020 9:09	0	0	
23	1/20/2020 9:10	0	0	
24	1/20/2020 9:11	0	0	
25	1/20/2020 9:12	0	0	
26	1/20/2020 9:13	0	0	
27	1/20/2020 9:14	0	0	
28	1/20/2020 9:15	0	0	
29	1/20/2020 9:16	0	0	
30	1/20/2020 9:17	0	0	
31	1/20/2020 9:18	0	0	
32	1/20/2020 9:19	0	0	
33	1/20/2020 9:20	0	0	
34	1/20/2020 9:21	0	0	
35	1/20/2020 9:22	0	0	
36	1/20/2020 9:23	0	0	
37	1/20/2020 9:24	0	0	

38	1/20/2020 9:25	0	0.1
39	1/20/2020 9:26	0	0.1
40	1/20/2020 9:27	0	0.1
41	1/20/2020 9:28	0	0.1
42	1/20/2020 9:29	0	0.1
43	1/20/2020 9:30	0	0.1
44	1/20/2020 9:31	0	0.1
45	1/20/2020 9:32	0	0.1
46	1/20/2020 9:33	0	0.1
47	1/20/2020 9:34	0	0.1
48	1/20/2020 9:35	0	0.1
49	1/20/2020 9:36	0	0.1
50	1/20/2020 9:37	0	0.1
51	1/20/2020 9:38	0	0.1
52	1/20/2020 9:39	0	0.1
53	1/20/2020 9:40	0	0.1
54	1/20/2020 9:41	0	0.1
55	1/20/2020 9:42	0	0.1
56	1/20/2020 9:43	0	0.1
57	1/20/2020 9:44	0	0.1
58	1/20/2020 9:45	0	0.1
59	1/20/2020 9:46	0	0.1
60	1/20/2020 9:47	0	0.1
61	1/20/2020 9:48	0	0
62	1/20/2020 9:49	0	0
63	1/20/2020 9:50	0	0
64	1/20/2020 9:51	0	0
65	1/20/2020 9:52	0	0
66	1/20/2020 9:53	0	0
67	1/20/2020 9:54	0	0
68	1/20/2020 9:55	0	0
69	1/20/2020 9:56	0	0
70	1/20/2020 9:57	0	0
71	1/20/2020 9:58	0	0
72	1/20/2020 9:59	0	0
73	1/20/2020 10:00	0	0
74	1/20/2020 10:01	0	0
75	1/20/2020 10:02	0	0
76	1/20/2020 10:03	0	0
77	1/20/2020 10:04	0	0
78	1/20/2020 10:05	0	0
79	1/20/2020 10:06	0	0
80	1/20/2020 10:07	0	0
81	1/20/2020 10:08	0	0
82	1/20/2020 10:09	0	0
83	1/20/2020 10:10	0	0
84	1/20/2020 10:11	0	0

85	1/20/2020 10:12	0	0
86	1/20/2020 10:13	0	0
87	1/20/2020 10:14	0	0
88	1/20/2020 10:15	0	0
89	1/20/2020 10:16	0	0
90	1/20/2020 10:17	0	0
91	1/20/2020 10:18	0	0.1
92	1/20/2020 10:19	0	0.1
93	1/20/2020 10:20	0	0.1
94	1/20/2020 10:21	0	0.1
95	1/20/2020 10:22	0	0.1
96	1/20/2020 10:23	0	0.1
97	1/20/2020 10:24	0	0.1
98	1/20/2020 10:25	0	0.1
99	1/20/2020 10:26	0	0.1
100	1/20/2020 10:27	0	0.1
101	1/20/2020 10:28	0	0.1
102	1/20/2020 10:29	0	0.1
103	1/20/2020 10:30	0	0.1
104	1/20/2020 10:31	0	0.1
105	1/20/2020 10:32	0	0.1
106	1/20/2020 10:33	0	0.1
107	1/20/2020 10:34	0	0.1
108	1/20/2020 10:35	0	0.1
109	1/20/2020 10:36	0	0.1
110	1/20/2020 10:37	0	0.1
111	1/20/2020 10:38	0	0.1
112	1/20/2020 10:39	0	0.1
113	1/20/2020 10:40	0	0.1
114	1/20/2020 10:41	0	0.1
115	1/20/2020 10:42	0	0.1
116	1/20/2020 10:43	0	0.1
117	1/20/2020 10:44	0	0.1
118	1/20/2020 10:45	0	0.1
119	1/20/2020 10:46	0	0.1
120	1/20/2020 10:47	0	0.1
121	1/20/2020 10:48	0	0.1
122	1/20/2020 10:49	0	0.1
123	1/20/2020 10:50	0	0.1
124	1/20/2020 10:51	0	0.1
125	1/20/2020 10:52	0	0.1
126	1/20/2020 10:53	0	0.1
127	1/20/2020 10:54	0	0.1
128	1/20/2020 10:55	0	0.1
129	1/20/2020 10:56	0	0.1
130	1/20/2020 10:57	0	0.1
131	1/20/2020 10:58	0	0.1

132	1/20/2020 10:59	0	0.1
133	1/20/2020 11:00	0	0.1
134	1/20/2020 11:01	0	0.1
135	1/20/2020 11:02	0	0
136	1/20/2020 11:03	0	0
137	1/20/2020 11:04	0	0
138	1/20/2020 11:05	0	0
139	1/20/2020 11:06	0	0
140	1/20/2020 11:07	0	0
141	1/20/2020 11:08	0	0
142	1/20/2020 11:09	0	0
143	1/20/2020 11:10	0	0
144	1/20/2020 11:11	0	0
145	1/20/2020 11:12	0	0
146	1/20/2020 11:13	0	0
147	1/20/2020 11:14	0	0
148	1/20/2020 11:15	0	0
149	1/20/2020 11:16	0	0
150	1/20/2020 11:17	0	0
151	1/20/2020 11:18	0	0
152	1/20/2020 11:19	0	0
153	1/20/2020 11:20	0	0
154	1/20/2020 11:21	0	0
155	1/20/2020 11:22	0	0
156	1/20/2020 11:23	0	0
157	1/20/2020 11:24	0	0
158	1/20/2020 11:25	0	0
159	1/20/2020 11:26	0	0
160	1/20/2020 11:27	0	0
161	1/20/2020 11:28	0	0
162	1/20/2020 11:29	0	0
163	1/20/2020 11:30	0	0
164	1/20/2020 11:31	0	0
165	1/20/2020 11:32	0	0
166	1/20/2020 11:33	0	0
167	1/20/2020 11:34	0	0
168	1/20/2020 11:35	0	0
169	1/20/2020 11:36	0	0
170	1/20/2020 11:37	0	0
171	1/20/2020 11:38	0	0
172	1/20/2020 11:39	0	0
173	1/20/2020 11:40	0	0
174	1/20/2020 11:41	0	0
175	1/20/2020 11:42	0	0
176	1/20/2020 11:43	0	0
177	1/20/2020 11:44	0	0
178	1/20/2020 11:45	0	0

179	1/20/2020 11:46	0	0
180	1/20/2020 11:47	0	0
181	1/20/2020 11:48	0	0
182	1/20/2020 11:49	0	0
183	1/20/2020 11:50	0	0
184	1/20/2020 11:51	0	0
185	1/20/2020 11:52	0	0
186	1/20/2020 11:53	0	0
187	1/20/2020 11:54	0	0.1
188	1/20/2020 11:55	0	0.1
189	1/20/2020 11:56	0	0.1
190	1/20/2020 11:57	0	0.1
191	1/20/2020 11:58	0	0.2
192	1/20/2020 11:59	0	0.2
193	1/20/2020 12:00	0	0.2
194	1/20/2020 12:01	0	0.2
195	1/20/2020 12:02	0	0.2
196	1/20/2020 12:03	0	0.3
197	1/20/2020 12:04	0	0.3
198	1/20/2020 12:05	0	0.4
199	1/20/2020 12:06	0	0.4
200	1/20/2020 12:07	0	0.4
201	1/20/2020 12:08	0	0.4
202	1/20/2020 12:09	0	0.4
203	1/20/2020 12:10	0	0.4
204	1/20/2020 12:11	0	0.4
205	1/20/2020 12:12	0	0.4
206	1/20/2020 12:13	0	0.4
207	1/20/2020 12:14	0	0.4
208	1/20/2020 12:15	0	0.4
209	1/20/2020 12:16	0	0.4
210	1/20/2020 12:17	0	0.4
211	1/20/2020 12:18	0	0.4
212	1/20/2020 12:19	0	0.4
213	1/20/2020 12:20	0	0.4
214	1/20/2020 12:21	0	0.4
215	1/20/2020 12:22	0	0.3
216	1/20/2020 12:23	0	0.3
217	1/20/2020 12:24	0	0.3
218	1/20/2020 12:25	0	0.3
219	1/20/2020 12:26	0	0.3
220	1/20/2020 12:27	0	0.3
221	1/20/2020 12:28	0	0.3
222	1/20/2020 12:29	0	0.3
223	1/20/2020 12:30	0	0.3
224	1/20/2020 12:31	0	0.2
225	1/20/2020 12:32	0	0.2

226	1/20/2020 12:33	0	0.2
227	1/20/2020 12:34	0	0.2
228	1/20/2020 12:35	0	0.2
229	1/20/2020 12:36	0	0.2
230	1/20/2020 12:37	0	0.2
231	1/20/2020 12:38	0	0.2
232	1/20/2020 12:39	0	0.1
233	1/20/2020 12:40	0	0.1
234	1/20/2020 12:41	0	0.1
235	1/20/2020 12:42	0	0.1
236	1/20/2020 12:43	0	0.1
237	1/20/2020 12:44	0	0.1
238	1/20/2020 12:45	0	0.1
239	1/20/2020 12:46	0	0.1
240	1/20/2020 12:47	0	0.1
241	1/20/2020 12:48	0	0.1
242	1/20/2020 12:49	0	0.1

==========
20/01/20 12:50
****
Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-910712
Unit Firmware Ver	V2.20A
Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down
Site ID	12345678
User ID	12345678
Begin	1/20/2020 12:50
End	1/20/2020 17:06
Sample Period(s)	60
Number of Records	255
Sensor	PID(ppm)
Sensor SN	S023030021Q5
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	1/3/2020 12:41
Peak	3.2
Min	0
Average	0.4

****
Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	1/20/2020 12:51	0	0.1	0
2	1/20/2020 12:52	0	0.1	0.1
3	1/20/2020 12:53	0.1	0.1	0.1
4	1/20/2020 12:54	0.1	0.1	0.1
5	1/20/2020 12:55	0.1	0.1	0.1

6	1/20/2020 12:56	0.1	0.1	0.1
7	1/20/2020 12:57	0.1	0.1	0.1
8	1/20/2020 12:58	0.1	0.1	0.1
9	1/20/2020 12:59	0.1	0.1	0.1
10	1/20/2020 13:00	0.1	0.1	0.1
11	1/20/2020 13:01	0.1	0.1	0.1
12	1/20/2020 13:02	0.1	0.1	0.1
13	1/20/2020 13:03	0.1	0.1	0.1
14	1/20/2020 13:04	0.1	0.1	0.1
15	1/20/2020 13:05	0.1	0.1	0.1
16	1/20/2020 13:06	0.1	0.1	0.1
17	1/20/2020 13:07	0.1	0.2	0.2
18	1/20/2020 13:08	0.1	0.2	0.1
19	1/20/2020 13:09	0.1	0.2	0.1
20	1/20/2020 13:10	0.1	0.2	0.1
21	1/20/2020 13:11	0.1	0.1	0.1
22	1/20/2020 13:12	0.1	0.2	0.1
23	1/20/2020 13:13	0.2	0.2	0.2
24	1/20/2020 13:14	0.2	0.3	0.2
25	1/20/2020 13:15	0.2	0.2	0.2
26	1/20/2020 13:16	0.2	0.2	0.2
27	1/20/2020 13:17	0.2	0.2	0.2
28	1/20/2020 13:18	0.2	0.2	0.2
29	1/20/2020 13:19	0.2	0.2	0.2
30	1/20/2020 13:20	0.2	0.2	0.2
31	1/20/2020 13:21	0.2	0.2	0.2
32	1/20/2020 13:22	0.2	0.2	0.2
33	1/20/2020 13:23	0.2	0.2	0.2
34	1/20/2020 13:24	0.2	0.3	0.2
35	1/20/2020 13:25	0.2	0.3	0.3
36	1/20/2020 13:26	0.3	0.3	0.3
37	1/20/2020 13:27	0.3	0.3	0.3
38	1/20/2020 13:28	0.3	0.3	0.3
39	1/20/2020 13:29	0.3	0.3	0.3
40	1/20/2020 13:30	0.3	0.3	0.3
41	1/20/2020 13:31	0.3	0.3	0.3
42	1/20/2020 13:32	0.3	0.3	0.3
43	1/20/2020 13:33	0.3	0.3	0.3
44	1/20/2020 13:34	0.2	0.3	0.3
45	1/20/2020 13:35	0.2	0.3	0.2
46	1/20/2020 13:36	0.3	0.3	0.2
47	1/20/2020 13:37	0.2	0.3	0.2
48	1/20/2020 13:38	0.2	0.3	0.2
49	1/20/2020 13:39	0.2	0.2	0.2
50	1/20/2020 13:40	0.2	0.2	0.2
51	1/20/2020 13:41	0.2	0.2	0.2
52	1/20/2020 13:42	0.2	0.2	0.2

53	1/20/2020 13:43	0.2	0.2	0.2
54	1/20/2020 13:44	0.2	0.2	0.2
55	1/20/2020 13:45	0.2	0.2	0.2
56	1/20/2020 13:46	0.2	0.2	0.2
57	1/20/2020 13:47	0.2	0.2	0.2
58	1/20/2020 13:48	0.2	0.2	0.2
59	1/20/2020 13:49	0.2	0.2	0.2
60	1/20/2020 13:50	0.2	0.2	0.2
61	1/20/2020 13:51	0.2	0.2	0.2
62	1/20/2020 13:52	0.2	0.2	0.2
63	1/20/2020 13:53	0.2	0.2	0.2
64	1/20/2020 13:54	0.2	0.2	0.2
65	1/20/2020 13:55	0.2	0.2	0.2
66	1/20/2020 13:56	0.2	0.2	0.2
67	1/20/2020 13:57	0.2	0.2	0.2
68	1/20/2020 13:58	0.2	0.2	0.2
69	1/20/2020 13:59	0.2	0.2	0.2
70	1/20/2020 14:00	0.2	0.2	0.2
71	1/20/2020 14:01	0.2	0.2	0.2
72	1/20/2020 14:02	0.2	0.2	0.2
73	1/20/2020 14:03	0.2	0.2	0.2
74	1/20/2020 14:04	0.2	0.2	0.2
75	1/20/2020 14:05	0.2	0.2	0.2
76	1/20/2020 14:06	0.2	0.2	0.2
77	1/20/2020 14:07	0.2	0.2	0.2
78	1/20/2020 14:08	0.2	0.2	0.2
79	1/20/2020 14:09	0.2	0.2	0.2
80	1/20/2020 14:10	0.2	0.2	0.2
81	1/20/2020 14:11	0.2	0.2	0.2
82	1/20/2020 14:12	0.2	0.2	0.2
83	1/20/2020 14:13	0.2	0.2	0.2
84	1/20/2020 14:14	0.2	0.2	0.2
85	1/20/2020 14:15	0.2	0.3	0.2
86	1/20/2020 14:16	0.2	0.3	0.2
87	1/20/2020 14:17	0.2	0.2	0.2
88	1/20/2020 14:18	0.2	0.2	0.2
89	1/20/2020 14:19	0.2	0.2	0.2
90	1/20/2020 14:20	0.2	0.2	0.2
91	1/20/2020 14:21	0.2	0.2	0.2
92	1/20/2020 14:22	0.2	0.2	0.2
93	1/20/2020 14:23	0.2	0.2	0.2
94	1/20/2020 14:24	0.2	0.2	0.2
95	1/20/2020 14:25	0.2	0.2	0.2
96	1/20/2020 14:26	0.1	0.2	0.1
97	1/20/2020 14:27	0.1	0.2	0.1
98	1/20/2020 14:28	0.1	0.2	0.1
99	1/20/2020 14:29	0.1	0.2	0.1

100	1/20/2020 14:30	0.1	0.2	0.1
101	1/20/2020 14:31	0.1	0.1	0.1
102	1/20/2020 14:32	0.1	0.1	0.1
103	1/20/2020 14:33	0.1	0.1	0.1
104	1/20/2020 14:34	0.1	0.1	0.1
105	1/20/2020 14:35	0.1	0.2	0.1
106	1/20/2020 14:36	0.1	0.1	0.1
107	1/20/2020 14:37	0.2	0.2	0.2
108	1/20/2020 14:38	0.2	0.2	0.2
109	1/20/2020 14:39	0.2	0.2	0.2
110	1/20/2020 14:40	0.2	0.2	0.2
111	1/20/2020 14:41	0.2	0.2	0.2
112	1/20/2020 14:42	0.2	0.2	0.2
113	1/20/2020 14:43	0.2	0.3	0.3
114	1/20/2020 14:44	0.3	0.3	0.3
115	1/20/2020 14:45	0.3	0.4	0.4
116	1/20/2020 14:46	0.4	0.4	0.4
117	1/20/2020 14:47	0.4	0.4	0.4
118	1/20/2020 14:48	0.4	0.7	0.4
119	1/20/2020 14:49	0.4	0.5	0.5
120	1/20/2020 14:50	0.5	0.5	0.4
121	1/20/2020 14:51	0.4	0.5	0.5
122	1/20/2020 14:52	0.5	0.5	0.4
123	1/20/2020 14:53	0.5	0.5	0.5
124	1/20/2020 14:54	0.5	0.6	0.5
125	1/20/2020 14:55	0.5	0.6	0.5
126	1/20/2020 14:56	0.5	0.6	0.5
127	1/20/2020 14:57	0.6	0.6	0.5
128	1/20/2020 14:58	0.5	0.6	0.5
129	1/20/2020 14:59	0.4	0.5	0.4
130	1/20/2020 15:00	0.4	0.4	0.4
131	1/20/2020 15:01	0.4	0.5	0.5
132	1/20/2020 15:02	0.5	0.5	0.5
133	1/20/2020 15:03	0.5	0.5	0.5
134	1/20/2020 15:04	0.5	0.6	0.5
135	1/20/2020 15:05	0.5	0.6	0.6
136	1/20/2020 15:06	0.6	0.6	0.5
137	1/20/2020 15:07	0.6	0.6	0.6
138	1/20/2020 15:08	0.6	0.7	0.6
139	1/20/2020 15:09	0.6	0.7	0.7
140	1/20/2020 15:10	0.7	0.7	0.7
141	1/20/2020 15:11	0.7	0.7	0.7
142	1/20/2020 15:12	0.7	0.8	0.7
143	1/20/2020 15:13	0.7	0.8	0.7
144	1/20/2020 15:14	0.7	0.7	0.7
145	1/20/2020 15:15	0.7	0.7	0.7
146	1/20/2020 15:16	0.7	0.7	0.7

147	1/20/2020 15:17	0.7	0.8	0.7
148	1/20/2020 15:18	0.7	0.8	0.8
149	1/20/2020 15:19	0.8	0.9	0.8
150	1/20/2020 15:20	0.8	0.8	0.7
151	1/20/2020 15:21	0.8	0.8	0.7
152	1/20/2020 15:22	0.8	0.8	0.8
153	1/20/2020 15:23	0.8	0.8	0.8
154	1/20/2020 15:24	0.8	0.9	0.7
155	1/20/2020 15:25	0.8	0.9	0.7
156	1/20/2020 15:26	0.8	0.9	0.8
157	1/20/2020 15:27	0.7	0.8	0.7
158	1/20/2020 15:28	0.7	0.8	0.8
159	1/20/2020 15:29	0.7	0.8	0.7
160	1/20/2020 15:30	0.6	0.7	0.6
161	1/20/2020 15:31	0.6	0.6	0.6
162	1/20/2020 15:32	0.6	0.6	0.6
163	1/20/2020 15:33	0.6	0.7	0.6
164	1/20/2020 15:34	0.5	0.8	0.4
165	1/20/2020 15:35	0.5	0.9	0.6
166	1/20/2020 15:36	0.7	0.7	0.7
167	1/20/2020 15:37	0.6	0.7	0.7
168	1/20/2020 15:38	0.7	0.7	0.7
169	1/20/2020 15:39	0.7	0.8	0.7
170	1/20/2020 15:40	0.7	0.8	0.7
171	1/20/2020 15:41	0.8	0.8	0.8
172	1/20/2020 15:42	0.8	1.8	0.6
173	1/20/2020 15:43	0.7	1	0.9
174	1/20/2020 15:44	0.8	0.9	0.7
175	1/20/2020 15:45	0.7	0.8	0.8
176	1/20/2020 15:46	0.7	0.8	0.6
177	1/20/2020 15:47	0.6	0.7	0.6
178	1/20/2020 15:48	0.5	0.6	0.5
179	1/20/2020 15:49	0.5	0.5	0.4
180	1/20/2020 15:50	0.4	0.5	0.4
181	1/20/2020 15:51	0.4	0.4	0.4
182	1/20/2020 15:52	0.4	0.4	0.3
183	1/20/2020 15:53	0.3	0.3	0.3
184	1/20/2020 15:54	0.3	0.3	0.3
185	1/20/2020 15:55	0.4	0.4	0.4
186	1/20/2020 15:56	0.4	0.5	0.4
187	1/20/2020 15:57	0.4	0.5	0.4
188	1/20/2020 15:58	0.5	0.5	0.5
189	1/20/2020 15:59	0.5	0.6	0.5
190	1/20/2020 16:00	0.5	0.6	0.5
191	1/20/2020 16:01	0.6	0.6	0.6
192	1/20/2020 16:02	0.6	0.7	0.5
193	1/20/2020 16:03	0.5	0.6	0.5

194	1/20/2020 16:04	0.5	0.5	0.5
195	1/20/2020 16:05	0.5	0.6	0.5
196	1/20/2020 16:06	0.6	0.8	0.5
197	1/20/2020 16:07	0.5	0.6	0.6
198	1/20/2020 16:08	0.5	0.6	0.6
199	1/20/2020 16:09	0.5	0.6	0.5
200	1/20/2020 16:10	0.5	0.5	0.4
201	1/20/2020 16:11	0.5	0.5	0.5
202	1/20/2020 16:12	0.5	0.6	0.6
203	1/20/2020 16:13	1.4	10.1	3.2
204	1/20/2020 16:14	1.3	2.5	0.6
205	1/20/2020 16:15	0.6	0.9	0.6
206	1/20/2020 16:16	0.7	1	0.7
207	1/20/2020 16:17	0.7	0.8	0.6
208	1/20/2020 16:18	0.6	0.7	0.5
209	1/20/2020 16:19	0.5	0.6	0.4
210	1/20/2020 16:20	0.4	0.4	0.4
211	1/20/2020 16:21	0.3	0.4	0.3
212	1/20/2020 16:22	0.4	0.5	0.4
213	1/20/2020 16:23	0.3	0.4	0.4
214	1/20/2020 16:24	0.3	0.4	0.3
215	1/20/2020 16:25	0.3	0.4	0.2
216	1/20/2020 16:26	0.3	0.3	0.3
217	1/20/2020 16:27	0.3	0.3	0.2
218	1/20/2020 16:28	0.2	0.3	0.2
219	1/20/2020 16:29	0.2	0.3	0.2
220	1/20/2020 16:30	0.2	0.2	0.2
221	1/20/2020 16:31	0.2	0.2	0.2
222	1/20/2020 16:32	0.2	0.2	0.2
223	1/20/2020 16:33	0.2	0.3	0.3
224	1/20/2020 16:34	0.3	0.4	0.3
225	1/20/2020 16:35	0.3	0.4	0.3
226	1/20/2020 16:36	0.4	0.4	0.4
227	1/20/2020 16:37	0.4	0.5	0.4
228	1/20/2020 16:38	0.4	0.5	0.4
229	1/20/2020 16:39	0.4	0.5	0.4
230	1/20/2020 16:40	0.4	0.6	0.6
231	1/20/2020 16:41	0.5	0.6	0.5
232	1/20/2020 16:42	0.4	0.5	0.4
233	1/20/2020 16:43	0.4	0.5	0.5
234	1/20/2020 16:44	0.5	0.6	0.3
235	1/20/2020 16:45	0.4	0.4	0.4
236	1/20/2020 16:46	0.3	0.4	0.3
237	1/20/2020 16:47	0.3	0.3	0.3
238	1/20/2020 16:48	0.3	0.3	0.3
239	1/20/2020 16:49	0.3	0.3	0.3
240	1/20/2020 16:50	0.3	0.3	0.3

	241	1/20/2020 16:51	0.3	0.3	0.3
	242	1/20/2020 16:52	0.3	0.4	0.3
	243	1/20/2020 16:53	0.3	0.3	0.3
	244	1/20/2020 16:54	0.4	0.4	0.4
	245	1/20/2020 16:55	0.4	0.4	0.4
	246	1/20/2020 16:56	0.3	0.4	0.3
	247	1/20/2020 16:57	0.4	0.4	0.4
	248	1/20/2020 16:58	0.3	0.4	0.3
	249	1/20/2020 16:59	0.3	0.3	0.2
	250	1/20/2020 17:00	0.2	0.3	0.2
	251	1/20/2020 17:01	0.2	0.3	0.2
	252	1/20/2020 17:02	0.2	0.3	0.2
	253	1/20/2020 17:03	0.2	0.2	0.2
	254	1/20/2020 17:04	0.2	0.2	0.2
	255	1/20/2020 17:05	0.2	0.2	0.2
Peak			1.4	10.1	3.2
Min			0	0.1	0
Average			0.4	0.4	0.4

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	1/20/2020 12:51	0	---
2	1/20/2020 12:52	0	---
3	1/20/2020 12:53	0	---
4	1/20/2020 12:54	0	---
5	1/20/2020 12:55	0	---
6	1/20/2020 12:56	0	---
7	1/20/2020 12:57	0	---
8	1/20/2020 12:58	0	---
9	1/20/2020 12:59	0	---
10	1/20/2020 13:00	0	---
11	1/20/2020 13:01	0	---
12	1/20/2020 13:02	0	---
13	1/20/2020 13:03	0	---
14	1/20/2020 13:04	0	---
15	1/20/2020 13:05	0	0.1
16	1/20/2020 13:06	0	0.1
17	1/20/2020 13:07	0	0.1
18	1/20/2020 13:08	0	0.1
19	1/20/2020 13:09	0	0.1
20	1/20/2020 13:10	0	0.1
21	1/20/2020 13:11	0	0.1
22	1/20/2020 13:12	0	0.1
23	1/20/2020 13:13	0	0.1
24	1/20/2020 13:14	0	0.1

25	1/20/2020 13:15	0	0.1
26	1/20/2020 13:16	0	0.1
27	1/20/2020 13:17	0	0.1
28	1/20/2020 13:18	0	0.2
29	1/20/2020 13:19	0	0.2
30	1/20/2020 13:20	0	0.2
31	1/20/2020 13:21	0	0.2
32	1/20/2020 13:22	0	0.2
33	1/20/2020 13:23	0	0.2
34	1/20/2020 13:24	0	0.2
35	1/20/2020 13:25	0	0.2
36	1/20/2020 13:26	0	0.2
37	1/20/2020 13:27	0	0.2
38	1/20/2020 13:28	0	0.2
39	1/20/2020 13:29	0	0.2
40	1/20/2020 13:30	0	0.3
41	1/20/2020 13:31	0	0.3
42	1/20/2020 13:32	0	0.3
43	1/20/2020 13:33	0	0.3
44	1/20/2020 13:34	0	0.3
45	1/20/2020 13:35	0	0.3
46	1/20/2020 13:36	0	0.3
47	1/20/2020 13:37	0	0.3
48	1/20/2020 13:38	0	0.3
49	1/20/2020 13:39	0	0.3
50	1/20/2020 13:40	0	0.3
51	1/20/2020 13:41	0	0.3
52	1/20/2020 13:42	0	0.3
53	1/20/2020 13:43	0	0.3
54	1/20/2020 13:44	0	0.3
55	1/20/2020 13:45	0	0.2
56	1/20/2020 13:46	0	0.2
57	1/20/2020 13:47	0	0.2
58	1/20/2020 13:48	0	0.2
59	1/20/2020 13:49	0	0.2
60	1/20/2020 13:50	0	0.2
61	1/20/2020 13:51	0	0.2
62	1/20/2020 13:52	0	0.2
63	1/20/2020 13:53	0	0.2
64	1/20/2020 13:54	0	0.2
65	1/20/2020 13:55	0	0.2
66	1/20/2020 13:56	0	0.2
67	1/20/2020 13:57	0	0.2
68	1/20/2020 13:58	0	0.2
69	1/20/2020 13:59	0	0.2
70	1/20/2020 14:00	0	0.2
71	1/20/2020 14:01	0	0.2

72	1/20/2020 14:02	0	0.2
73	1/20/2020 14:03	0	0.2
74	1/20/2020 14:04	0	0.2
75	1/20/2020 14:05	0	0.2
76	1/20/2020 14:06	0	0.2
77	1/20/2020 14:07	0	0.2
78	1/20/2020 14:08	0	0.2
79	1/20/2020 14:09	0	0.2
80	1/20/2020 14:10	0	0.2
81	1/20/2020 14:11	0	0.2
82	1/20/2020 14:12	0	0.2
83	1/20/2020 14:13	0	0.2
84	1/20/2020 14:14	0	0.2
85	1/20/2020 14:15	0	0.2
86	1/20/2020 14:16	0	0.2
87	1/20/2020 14:17	0	0.2
88	1/20/2020 14:18	0	0.2
89	1/20/2020 14:19	0	0.2
90	1/20/2020 14:20	0	0.2
91	1/20/2020 14:21	0	0.2
92	1/20/2020 14:22	0	0.2
93	1/20/2020 14:23	0	0.2
94	1/20/2020 14:24	0	0.2
95	1/20/2020 14:25	0	0.2
96	1/20/2020 14:26	0	0.2
97	1/20/2020 14:27	0	0.2
98	1/20/2020 14:28	0	0.2
99	1/20/2020 14:29	0	0.2
100	1/20/2020 14:30	0	0.2
101	1/20/2020 14:31	0	0.2
102	1/20/2020 14:32	0	0.2
103	1/20/2020 14:33	0	0.2
104	1/20/2020 14:34	0	0.2
105	1/20/2020 14:35	0	0.1
106	1/20/2020 14:36	0	0.1
107	1/20/2020 14:37	0	0.1
108	1/20/2020 14:38	0	0.1
109	1/20/2020 14:39	0	0.1
110	1/20/2020 14:40	0	0.1
111	1/20/2020 14:41	0	0.1
112	1/20/2020 14:42	0	0.1
113	1/20/2020 14:43	0	0.2
114	1/20/2020 14:44	0	0.2
115	1/20/2020 14:45	0	0.2
116	1/20/2020 14:46	0	0.2
117	1/20/2020 14:47	0	0.2
118	1/20/2020 14:48	0	0.3

119	1/20/2020 14:49	0	0.3
120	1/20/2020 14:50	0	0.3
121	1/20/2020 14:51	0	0.3
122	1/20/2020 14:52	0.1	0.3
123	1/20/2020 14:53	0.1	0.4
124	1/20/2020 14:54	0.1	0.4
125	1/20/2020 14:55	0.1	0.4
126	1/20/2020 14:56	0.1	0.4
127	1/20/2020 14:57	0.1	0.4
128	1/20/2020 14:58	0.1	0.5
129	1/20/2020 14:59	0.1	0.5
130	1/20/2020 15:00	0.1	0.5
131	1/20/2020 15:01	0.1	0.5
132	1/20/2020 15:02	0.1	0.5
133	1/20/2020 15:03	0.1	0.5
134	1/20/2020 15:04	0.1	0.5
135	1/20/2020 15:05	0.1	0.5
136	1/20/2020 15:06	0.1	0.5
137	1/20/2020 15:07	0.1	0.5
138	1/20/2020 15:08	0.1	0.5
139	1/20/2020 15:09	0.1	0.6
140	1/20/2020 15:10	0.1	0.6
141	1/20/2020 15:11	0.1	0.6
142	1/20/2020 15:12	0.1	0.6
143	1/20/2020 15:13	0.1	0.6
144	1/20/2020 15:14	0.1	0.6
145	1/20/2020 15:15	0.1	0.6
146	1/20/2020 15:16	0.1	0.7
147	1/20/2020 15:17	0.1	0.7
148	1/20/2020 15:18	0.1	0.7
149	1/20/2020 15:19	0.1	0.7
150	1/20/2020 15:20	0.1	0.7
151	1/20/2020 15:21	0.1	0.7
152	1/20/2020 15:22	0.1	0.8
153	1/20/2020 15:23	0.1	0.8
154	1/20/2020 15:24	0.1	0.8
155	1/20/2020 15:25	0.1	0.8
156	1/20/2020 15:26	0.1	0.8
157	1/20/2020 15:27	0.1	0.8
158	1/20/2020 15:28	0.1	0.8
159	1/20/2020 15:29	0.1	0.8
160	1/20/2020 15:30	0.1	0.8
161	1/20/2020 15:31	0.1	0.8
162	1/20/2020 15:32	0.1	0.8
163	1/20/2020 15:33	0.1	0.8
164	1/20/2020 15:34	0.1	0.7
165	1/20/2020 15:35	0.1	0.7

166	1/20/2020 15:36	0.1	0.7
167	1/20/2020 15:37	0.1	0.7
168	1/20/2020 15:38	0.1	0.7
169	1/20/2020 15:39	0.1	0.7
170	1/20/2020 15:40	0.1	0.7
171	1/20/2020 15:41	0.1	0.7
172	1/20/2020 15:42	0.1	0.7
173	1/20/2020 15:43	0.1	0.7
174	1/20/2020 15:44	0.1	0.7
175	1/20/2020 15:45	0.1	0.7
176	1/20/2020 15:46	0.1	0.7
177	1/20/2020 15:47	0.1	0.7
178	1/20/2020 15:48	0.1	0.7
179	1/20/2020 15:49	0.1	0.7
180	1/20/2020 15:50	0.1	0.7
181	1/20/2020 15:51	0.1	0.7
182	1/20/2020 15:52	0.1	0.7
183	1/20/2020 15:53	0.1	0.6
184	1/20/2020 15:54	0.1	0.6
185	1/20/2020 15:55	0.1	0.6
186	1/20/2020 15:56	0.1	0.6
187	1/20/2020 15:57	0.1	0.5
188	1/20/2020 15:58	0.1	0.5
189	1/20/2020 15:59	0.1	0.5
190	1/20/2020 16:00	0.1	0.5
191	1/20/2020 16:01	0.1	0.5
192	1/20/2020 16:02	0.1	0.5
193	1/20/2020 16:03	0.1	0.5
194	1/20/2020 16:04	0.1	0.5
195	1/20/2020 16:05	0.1	0.5
196	1/20/2020 16:06	0.1	0.5
197	1/20/2020 16:07	0.1	0.5
198	1/20/2020 16:08	0.1	0.5
199	1/20/2020 16:09	0.1	0.5
200	1/20/2020 16:10	0.1	0.5
201	1/20/2020 16:11	0.1	0.5
202	1/20/2020 16:12	0.1	0.5
203	1/20/2020 16:13	0.2	0.7
204	1/20/2020 16:14	0.2	0.7
205	1/20/2020 16:15	0.2	0.7
206	1/20/2020 16:16	0.2	0.8
207	1/20/2020 16:17	0.2	0.8
208	1/20/2020 16:18	0.2	0.8
209	1/20/2020 16:19	0.2	0.8
210	1/20/2020 16:20	0.2	0.7
211	1/20/2020 16:21	0.2	0.7
212	1/20/2020 16:22	0.2	0.7

213	1/20/2020 16:23	0.2	0.7
214	1/20/2020 16:24	0.2	0.7
215	1/20/2020 16:25	0.2	0.7
216	1/20/2020 16:26	0.2	0.7
217	1/20/2020 16:27	0.2	0.6
218	1/20/2020 16:28	0.2	0.6
219	1/20/2020 16:29	0.2	0.4
220	1/20/2020 16:30	0.2	0.4
221	1/20/2020 16:31	0.2	0.4
222	1/20/2020 16:32	0.2	0.3
223	1/20/2020 16:33	0.2	0.3
224	1/20/2020 16:34	0.2	0.3
225	1/20/2020 16:35	0.2	0.3
226	1/20/2020 16:36	0.2	0.3
227	1/20/2020 16:37	0.2	0.3
228	1/20/2020 16:38	0.2	0.3
229	1/20/2020 16:39	0.2	0.3
230	1/20/2020 16:40	0.2	0.3
231	1/20/2020 16:41	0.2	0.3
232	1/20/2020 16:42	0.2	0.3
233	1/20/2020 16:43	0.2	0.4
234	1/20/2020 16:44	0.2	0.4
235	1/20/2020 16:45	0.2	0.4
236	1/20/2020 16:46	0.2	0.4
237	1/20/2020 16:47	0.2	0.4
238	1/20/2020 16:48	0.2	0.4
239	1/20/2020 16:49	0.2	0.4
240	1/20/2020 16:50	0.2	0.4
241	1/20/2020 16:51	0.2	0.4
242	1/20/2020 16:52	0.2	0.4
243	1/20/2020 16:53	0.2	0.4
244	1/20/2020 16:54	0.2	0.4
245	1/20/2020 16:55	0.2	0.4
246	1/20/2020 16:56	0.2	0.4
247	1/20/2020 16:57	0.2	0.4
248	1/20/2020 16:58	0.2	0.4
249	1/20/2020 16:59	0.2	0.3
250	1/20/2020 17:00	0.2	0.3
251	1/20/2020 17:01	0.2	0.3
252	1/20/2020 17:02	0.2	0.3
253	1/20/2020 17:03	0.2	0.3
254	1/20/2020 17:04	0.2	0.3
255	1/20/2020 17:05	0.2	0.3

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20/01/21 08:41
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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-910712
Unit Firmware Ver	V2.20A
Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down
Site ID	12345678
User ID	12345678
Begin	1/21/2020 8:41
End	1/21/2020 16:49
Sample Period(s)	60
Number of Records	487
Sensor	PID(ppm)
Sensor SN	S023030021Q5
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	1/3/2020 12:41
Peak	2.8
Min	0
Average	0.1

****
Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	1/21/2020 8:42	0	0.1	0
2	1/21/2020 8:43	0	0.1	0.1
3	1/21/2020 8:44	0	0.1	0
4	1/21/2020 8:45	0	0	0
5	1/21/2020 8:46	0	0.1	0

6	1/21/2020 8:47	0	0.1	0.1
7	1/21/2020 8:48	0	0.1	0
8	1/21/2020 8:49	0	0	0
9	1/21/2020 8:50	0	0.1	0
10	1/21/2020 8:51	0	0.1	0
11	1/21/2020 8:52	0	0.1	0
12	1/21/2020 8:53	0	0.1	0
13	1/21/2020 8:54	0	0.1	0
14	1/21/2020 8:55	0	0.1	0.1
15	1/21/2020 8:56	0.1	0.1	0.1
16	1/21/2020 8:57	0	0.1	0
17	1/21/2020 8:58	0	0.1	0
18	1/21/2020 8:59	0	0.1	0
19	1/21/2020 9:00	0.1	0.1	0.1
20	1/21/2020 9:01	0.1	0.1	0.1
21	1/21/2020 9:02	0.1	0.1	0.1
22	1/21/2020 9:03	0.1	0.1	0.1
23	1/21/2020 9:04	0.1	0.1	0.1
24	1/21/2020 9:05	0.1	0.1	0.1
25	1/21/2020 9:06	0.1	0.1	0.1
26	1/21/2020 9:07	0.1	0.1	0.1
27	1/21/2020 9:08	0.1	0.1	0.1
28	1/21/2020 9:09	0.1	0.1	0.1
29	1/21/2020 9:10	0.1	0.1	0.1
30	1/21/2020 9:11	0.1	0.1	0.1
31	1/21/2020 9:12	0.1	0.1	0.1
32	1/21/2020 9:13	0.1	0.1	0.1
33	1/21/2020 9:14	0.1	0.1	0.1
34	1/21/2020 9:15	0.1	0.1	0.1
35	1/21/2020 9:16	0.1	0.1	0.1
36	1/21/2020 9:17	0.1	0.1	0.1
37	1/21/2020 9:18	0.1	0.1	0.1
38	1/21/2020 9:19	0.1	0.1	0.1
39	1/21/2020 9:20	0.1	0.1	0.1
40	1/21/2020 9:21	0.1	0.1	0.1
41	1/21/2020 9:22	0.1	0.1	0.1
42	1/21/2020 9:23	0.1	0.1	0.1
43	1/21/2020 9:24	0.1	0.1	0.1
44	1/21/2020 9:25	0.1	0.1	0.1
45	1/21/2020 9:26	0.1	0.1	0.1
46	1/21/2020 9:27	0.1	0.1	0.1
47	1/21/2020 9:28	0.1	0.1	0.1
48	1/21/2020 9:29	0.1	0.1	0.1
49	1/21/2020 9:30	0.1	0.2	0.1
50	1/21/2020 9:31	0.1	0.1	0.1
51	1/21/2020 9:32	0.1	0.1	0.1
52	1/21/2020 9:33	0.1	0.2	0.1

53	1/21/2020 9:34	0.1	0.1	0.1
54	1/21/2020 9:35	0.1	0.1	0.1
55	1/21/2020 9:36	0.1	0.1	0.1
56	1/21/2020 9:37	0.1	0.1	0.1
57	1/21/2020 9:38	0.1	0.1	0.1
58	1/21/2020 9:39	0.1	0.6	0.5
59	1/21/2020 9:40	0.7	1	0.5
60	1/21/2020 9:41	0.5	0.9	0.1
61	1/21/2020 9:42	0.1	0.2	0.1
62	1/21/2020 9:43	0.1	0.1	0.1
63	1/21/2020 9:44	0.1	0.2	0.1
64	1/21/2020 9:45	0.1	0.1	0.1
65	1/21/2020 9:46	0.1	0.1	0.1
66	1/21/2020 9:47	0.1	0.1	0.1
67	1/21/2020 9:48	0.1	0.1	0.1
68	1/21/2020 9:49	0.1	0.1	0.1
69	1/21/2020 9:50	0.1	0.1	0.1
70	1/21/2020 9:51	0.1	0.1	0.1
71	1/21/2020 9:52	0.1	0.1	0.1
72	1/21/2020 9:53	0.1	0.1	0.1
73	1/21/2020 9:54	0.1	0.1	0.1
74	1/21/2020 9:55	0.1	0.1	0.1
75	1/21/2020 9:56	0.1	0.3	0.1
76	1/21/2020 9:57	0.1	0.2	0.1
77	1/21/2020 9:58	0.1	0.2	0.1
78	1/21/2020 9:59	0.1	0.2	0.1
79	1/21/2020 10:00	0.2	0.3	0.2
80	1/21/2020 10:01	0.2	0.2	0.2
81	1/21/2020 10:02	0.2	0.2	0.2
82	1/21/2020 10:03	0.2	0.3	0.3
83	1/21/2020 10:04	0.3	0.3	0.3
84	1/21/2020 10:05	0.3	0.3	0.3
85	1/21/2020 10:06	0.3	0.3	0.3
86	1/21/2020 10:07	0.3	0.3	0.3
87	1/21/2020 10:08	0.3	0.3	0.3
88	1/21/2020 10:09	0.3	0.3	0.3
89	1/21/2020 10:10	0.3	0.3	0.3
90	1/21/2020 10:11	0.3	0.3	0.3
91	1/21/2020 10:12	0.3	0.3	0.3
92	1/21/2020 10:13	0.4	0.4	0.4
93	1/21/2020 10:14	0.4	0.4	0.4
94	1/21/2020 10:15	0.4	0.4	0.4
95	1/21/2020 10:16	0.4	0.4	0.4
96	1/21/2020 10:17	0.4	0.4	0.4
97	1/21/2020 10:18	0.4	0.4	0.4
98	1/21/2020 10:19	0.4	0.5	0.4
99	1/21/2020 10:20	0.5	0.6	0.5

100	1/21/2020 10:21	0.5	0.7	0.4
101	1/21/2020 10:22	0.5	0.7	0.5
102	1/21/2020 10:23	0.5	0.8	0.4
103	1/21/2020 10:24	0.4	0.5	0.4
104	1/21/2020 10:25	0.4	0.5	0.4
105	1/21/2020 10:26	0.4	0.5	0.4
106	1/21/2020 10:27	0.4	0.5	0.4
107	1/21/2020 10:28	0.4	0.4	0.3
108	1/21/2020 10:29	0.4	0.6	0.3
109	1/21/2020 10:30	0.4	0.5	0.3
110	1/21/2020 10:31	0.3	0.3	0.3
111	1/21/2020 10:32	0.4	0.4	0.4
112	1/21/2020 10:33	0.3	0.4	0.4
113	1/21/2020 10:34	0.4	0.4	0.4
114	1/21/2020 10:35	0.4	0.6	0.4
115	1/21/2020 10:36	0.4	0.6	0.5
116	1/21/2020 10:37	0.4	0.5	0.4
117	1/21/2020 10:38	0.3	0.4	0.4
118	1/21/2020 10:39	0.4	0.4	0.4
119	1/21/2020 10:40	0.3	0.4	0.3
120	1/21/2020 10:41	0.3	0.3	0.2
121	1/21/2020 10:42	0.3	0.3	0.2
122	1/21/2020 10:43	0.2	0.3	0.3
123	1/21/2020 10:44	0.2	0.3	0.3
124	1/21/2020 10:45	0.3	0.3	0.3
125	1/21/2020 10:46	0.3	0.5	0.3
126	1/21/2020 10:47	0.3	0.4	0.3
127	1/21/2020 10:48	0.3	0.4	0.3
128	1/21/2020 10:49	0.4	0.6	0.4
129	1/21/2020 10:50	0.4	0.5	0.4
130	1/21/2020 10:51	0.5	0.8	0.5
131	1/21/2020 10:52	0.5	0.7	0.5
132	1/21/2020 10:53	0.4	0.5	0.4
133	1/21/2020 10:54	0.4	0.4	0.3
134	1/21/2020 10:55	0.3	0.4	0.3
135	1/21/2020 10:56	0.3	0.4	0.3
136	1/21/2020 10:57	0.3	0.3	0.3
137	1/21/2020 10:58	0.3	0.3	0.3
138	1/21/2020 10:59	0.2	0.3	0.2
139	1/21/2020 11:00	0.2	0.3	0.2
140	1/21/2020 11:01	0.2	0.2	0.2
141	1/21/2020 11:02	0.2	0.2	0.2
142	1/21/2020 11:03	0.2	0.2	0.2
143	1/21/2020 11:04	0.2	0.2	0.2
144	1/21/2020 11:05	0.2	0.2	0.2
145	1/21/2020 11:06	0.1	0.2	0.1
146	1/21/2020 11:07	0.1	0.1	0.1

147	1/21/2020 11:08	0.1	0.1	0.1
148	1/21/2020 11:09	0.1	0.1	0.1
149	1/21/2020 11:10	0.1	0.1	0.1
150	1/21/2020 11:11	0.1	0.1	0.1
151	1/21/2020 11:12	0.1	0.1	0.1
152	1/21/2020 11:13	0.1	0.1	0.1
153	1/21/2020 11:14	0.1	0.1	0.1
154	1/21/2020 11:15	0.1	0.1	0.1
155	1/21/2020 11:16	0.1	0.1	0.1
156	1/21/2020 11:17	0.1	0.1	0.1
157	1/21/2020 11:18	0.1	0.1	0.1
158	1/21/2020 11:19	0.1	0.1	0.1
159	1/21/2020 11:20	0.1	0.1	0.1
160	1/21/2020 11:21	0.1	0.1	0.1
161	1/21/2020 11:22	0.1	0.1	0.1
162	1/21/2020 11:23	0.1	0.1	0.1
163	1/21/2020 11:24	0.1	0.1	0.1
164	1/21/2020 11:25	0.1	0.1	0.1
165	1/21/2020 11:26	0.1	0.1	0.1
166	1/21/2020 11:27	0.1	0.1	0.1
167	1/21/2020 11:28	0.1	0.1	0.1
168	1/21/2020 11:29	0.1	0.1	0.1
169	1/21/2020 11:30	0.1	0.1	0.1
170	1/21/2020 11:31	0.1	0.1	0.1
171	1/21/2020 11:32	0.1	0.1	0.1
172	1/21/2020 11:33	0.1	0.1	0.1
173	1/21/2020 11:34	0.1	0.1	0.1
174	1/21/2020 11:35	0.1	0.1	0.1
175	1/21/2020 11:36	0.1	0.1	0.1
176	1/21/2020 11:37	0.1	0.1	0.1
177	1/21/2020 11:38	0.1	0.1	0.1
178	1/21/2020 11:39	0.1	0.1	0.1
179	1/21/2020 11:40	0.1	0.1	0.1
180	1/21/2020 11:41	0.1	0.1	0.1
181	1/21/2020 11:42	0.1	0.1	0.1
182	1/21/2020 11:43	0.1	0.1	0.1
183	1/21/2020 11:44	0.1	0.1	0.1
184	1/21/2020 11:45	0.1	0.1	0.1
185	1/21/2020 11:46	0.1	0.1	0.1
186	1/21/2020 11:47	0.1	0.1	0.1
187	1/21/2020 11:48	0.1	0.1	0.1
188	1/21/2020 11:49	0.1	0.1	0.1
189	1/21/2020 11:50	0.1	0.1	0.1
190	1/21/2020 11:51	0.1	0.1	0.1
191	1/21/2020 11:52	0.1	0.1	0.1
192	1/21/2020 11:53	0.1	0.2	0.2
193	1/21/2020 11:54	0.2	0.2	0.2

194	1/21/2020 11:55	0.2	0.2	0.2
195	1/21/2020 11:56	0.2	0.2	0.2
196	1/21/2020 11:57	0.2	0.2	0.2
197	1/21/2020 11:58	0.2	0.2	0.2
198	1/21/2020 11:59	0.2	0.2	0.1
199	1/21/2020 12:00	0.1	0.2	0.1
200	1/21/2020 12:01	0.1	0.1	0.1
201	1/21/2020 12:02	0.1	0.1	0.1
202	1/21/2020 12:03	0.1	0.1	0.1
203	1/21/2020 12:04	0.1	0.1	0.1
204	1/21/2020 12:05	0.1	0.1	0.1
205	1/21/2020 12:06	0.1	0.1	0.1
206	1/21/2020 12:07	0.1	0.1	0.1
207	1/21/2020 12:08	0.1	0.1	0.1
208	1/21/2020 12:09	0.1	0.1	0.1
209	1/21/2020 12:10	0.1	0.1	0.1
210	1/21/2020 12:11	0.1	0.1	0.1
211	1/21/2020 12:12	0.1	0.1	0.1
212	1/21/2020 12:13	0.1	0.1	0.1
213	1/21/2020 12:14	0.1	0.1	0.1
214	1/21/2020 12:15	0.1	0.1	0.1
215	1/21/2020 12:16	0.1	0.1	0.1
216	1/21/2020 12:17	0.1	0.1	0.1
217	1/21/2020 12:18	0.1	0.1	0.1
218	1/21/2020 12:19	0.1	0.1	0.1
219	1/21/2020 12:20	0.1	0.1	0.1
220	1/21/2020 12:21	0.1	0.1	0.1
221	1/21/2020 12:22	0.1	0.1	0.1
222	1/21/2020 12:23	0.1	0.1	0.1
223	1/21/2020 12:24	0.1	0.1	0.1
224	1/21/2020 12:25	0.1	0.1	0.1
225	1/21/2020 12:26	0.1	0.1	0.1
226	1/21/2020 12:27	0.1	0.1	0.1
227	1/21/2020 12:28	0.1	0.1	0.1
228	1/21/2020 12:29	0.1	0.1	0.1
229	1/21/2020 12:30	0.1	0.1	0.1
230	1/21/2020 12:31	0.1	0.1	0.1
231	1/21/2020 12:32	0.1	0.1	0.1
232	1/21/2020 12:33	0.1	0.1	0.1
233	1/21/2020 12:34	0.1	0.1	0.1
234	1/21/2020 12:35	0.1	0.1	0.1
235	1/21/2020 12:36	0.1	0.1	0.1
236	1/21/2020 12:37	0.1	0.1	0.1
237	1/21/2020 12:38	0.1	0.1	0.1
238	1/21/2020 12:39	0.1	0.1	0.1
239	1/21/2020 12:40	0.1	0.1	0.1
240	1/21/2020 12:41	0.1	0.1	0.1

241	1/21/2020 12:42	0.1	0.1	0.1
242	1/21/2020 12:43	0.1	0.1	0.1
243	1/21/2020 12:44	0.1	0.1	0.1
244	1/21/2020 12:45	0.1	0.1	0.1
245	1/21/2020 12:46	0.1	0.1	0.1
246	1/21/2020 12:47	0.1	0.1	0.1
247	1/21/2020 12:48	0.1	0.1	0.1
248	1/21/2020 12:49	0.1	0.2	0.1
249	1/21/2020 12:50	0.1	0.1	0.1
250	1/21/2020 12:51	0.1	0.1	0.1
251	1/21/2020 12:52	0.1	0.1	0.1
252	1/21/2020 12:53	0.1	0.1	0.1
253	1/21/2020 12:54	0.1	0.1	0.1
254	1/21/2020 12:55	0.1	0.1	0.1
255	1/21/2020 12:56	0.1	0.1	0.1
256	1/21/2020 12:57	0.1	0.2	0.1
257	1/21/2020 12:58	0.1	0.1	0.1
258	1/21/2020 12:59	0.1	0.1	0.1
259	1/21/2020 13:00	0.1	0.1	0.1
260	1/21/2020 13:01	0.1	0.1	0.1
261	1/21/2020 13:02	0.1	0.1	0.1
262	1/21/2020 13:03	0.1	0.1	0.1
263	1/21/2020 13:04	0.1	0.1	0.1
264	1/21/2020 13:05	0.1	0.1	0.1
265	1/21/2020 13:06	0.1	0.1	0.1
266	1/21/2020 13:07	0.1	0.2	0.1
267	1/21/2020 13:08	0.1	0.1	0.1
268	1/21/2020 13:09	0.1	0.1	0.1
269	1/21/2020 13:10	0.1	0.1	0.1
270	1/21/2020 13:11	0.1	0.1	0.1
271	1/21/2020 13:12	0.1	0.2	0.2
272	1/21/2020 13:13	0.1	0.2	0.1
273	1/21/2020 13:14	0.1	0.2	0.2
274	1/21/2020 13:15	0.1	0.2	0.1
275	1/21/2020 13:16	0.1	0.2	0.1
276	1/21/2020 13:17	0.1	0.2	0.1
277	1/21/2020 13:18	0.1	0.1	0.1
278	1/21/2020 13:19	0.1	0.1	0.1
279	1/21/2020 13:20	0.1	0.2	0.2
280	1/21/2020 13:21	0.2	0.2	0.1
281	1/21/2020 13:22	0.1	0.1	0.1
282	1/21/2020 13:23	0.1	0.2	0.1
283	1/21/2020 13:24	0.1	0.2	0.2
284	1/21/2020 13:25	0.1	0.2	0.1
285	1/21/2020 13:26	0.1	0.2	0.1
286	1/21/2020 13:27	0.1	0.2	0.1
287	1/21/2020 13:28	0.2	0.6	0.3

288	1/21/2020 13:29	0.2	0.3	0.1
289	1/21/2020 13:30	0.1	0.2	0.2
290	1/21/2020 13:31	0.1	0.2	0.1
291	1/21/2020 13:32	0.1	0.2	0.1
292	1/21/2020 13:33	0.1	0.2	0.1
293	1/21/2020 13:34	0.1	0.1	0.1
294	1/21/2020 13:35	0.1	0.1	0.1
295	1/21/2020 13:36	0.1	0.1	0.1
296	1/21/2020 13:37	0.1	0.1	0.1
297	1/21/2020 13:38	0.1	0.1	0.1
298	1/21/2020 13:39	0.1	0.1	0.1
299	1/21/2020 13:40	0.1	0.1	0.1
300	1/21/2020 13:41	0.1	0.1	0.1
301	1/21/2020 13:42	0.1	0.1	0.1
302	1/21/2020 13:43	0.1	0.1	0.1
303	1/21/2020 13:44	0.1	0.1	0.1
304	1/21/2020 13:45	0.1	0.1	0.1
305	1/21/2020 13:46	0.1	0.1	0.1
306	1/21/2020 13:47	0.1	0.1	0.1
307	1/21/2020 13:48	0.1	0.1	0.1
308	1/21/2020 13:49	0.1	0.1	0.1
309	1/21/2020 13:50	0.1	0.1	0.1
310	1/21/2020 13:51	0.1	0.1	0.1
311	1/21/2020 13:52	0.1	0.1	0.1
312	1/21/2020 13:53	0.1	0.1	0.1
313	1/21/2020 13:54	0.1	0.1	0.1
314	1/21/2020 13:55	0.1	0.1	0.1
315	1/21/2020 13:56	0.1	0.1	0.1
316	1/21/2020 13:57	0.1	0.1	0.1
317	1/21/2020 13:58	0.1	0.1	0.1
318	1/21/2020 13:59	0.1	0.1	0.1
319	1/21/2020 14:00	0.1	0.2	0.1
320	1/21/2020 14:01	0.1	0.1	0.1
321	1/21/2020 14:02	0.1	0.2	0.1
322	1/21/2020 14:03	0.1	0.1	0.1
323	1/21/2020 14:04	0.1	0.2	0.1
324	1/21/2020 14:05	0.2	0.2	0.2
325	1/21/2020 14:06	0.2	0.2	0.2
326	1/21/2020 14:07	0.2	0.2	0.2
327	1/21/2020 14:08	0.2	0.2	0.2
328	1/21/2020 14:09	0.2	0.2	0.2
329	1/21/2020 14:10	0.2	0.2	0.2
330	1/21/2020 14:11	0.2	0.2	0.2
331	1/21/2020 14:12	0.2	0.2	0.2
332	1/21/2020 14:13	0.2	0.2	0.2
333	1/21/2020 14:14	0.2	0.2	0.2
334	1/21/2020 14:15	0.2	0.2	0.2

335	1/21/2020 14:16	0.2	0.2	0.2
336	1/21/2020 14:17	0.2	0.2	0.2
337	1/21/2020 14:18	0.2	0.2	0.2
338	1/21/2020 14:19	0.2	0.2	0.2
339	1/21/2020 14:20	0.1	0.2	0.1
340	1/21/2020 14:21	0.1	0.1	0.1
341	1/21/2020 14:22	0.1	0.1	0.1
342	1/21/2020 14:23	0.1	0.1	0.1
343	1/21/2020 14:24	0.1	0.1	0.1
344	1/21/2020 14:25	0.1	0.1	0.1
345	1/21/2020 14:26	0.1	0.1	0.1
346	1/21/2020 14:27	0.1	0.1	0.1
347	1/21/2020 14:28	0.1	0.1	0.1
348	1/21/2020 14:29	0.1	0.1	0.1
349	1/21/2020 14:30	0.1	0.1	0.1
350	1/21/2020 14:31	0.1	0.1	0.1
351	1/21/2020 14:32	0.1	0.1	0.1
352	1/21/2020 14:33	0.1	0.1	0.1
353	1/21/2020 14:34	0.1	0.1	0.1
354	1/21/2020 14:35	0.1	0.1	0.1
355	1/21/2020 14:36	0.1	0.1	0.1
356	1/21/2020 14:37	0.1	0.1	0.1
357	1/21/2020 14:38	0.1	0.1	0
358	1/21/2020 14:39	0	0.1	0
359	1/21/2020 14:40	0	0.1	0
360	1/21/2020 14:41	0	0.1	0
361	1/21/2020 14:42	0	0	0
362	1/21/2020 14:43	0	0	0
363	1/21/2020 14:44	0	0	0
364	1/21/2020 14:45	0	0	0
365	1/21/2020 14:46	0	0	0
366	1/21/2020 14:47	0.1	0.1	0.1
367	1/21/2020 14:48	0.1	0.1	0
368	1/21/2020 14:49	0	0.1	0
369	1/21/2020 14:50	0	0.1	0
370	1/21/2020 14:51	0	0.1	0
371	1/21/2020 14:52	0	0	0
372	1/21/2020 14:53	0	0	0
373	1/21/2020 14:54	0	0.1	0
374	1/21/2020 14:55	0	0	0
375	1/21/2020 14:56	0	0	0
376	1/21/2020 14:57	0	0	0
377	1/21/2020 14:58	0	0	0
378	1/21/2020 14:59	0	0	0
379	1/21/2020 15:00	0	0	0
380	1/21/2020 15:01	0	0	0
381	1/21/2020 15:02	0	0	0

382	1/21/2020 15:03	0	0	0
383	1/21/2020 15:04	0	0	0
384	1/21/2020 15:05	0	0	0
385	1/21/2020 15:06	0	0	0
386	1/21/2020 15:07	0	0	0
387	1/21/2020 15:08	0	0.1	0
388	1/21/2020 15:09	0	0.1	0
389	1/21/2020 15:10	0	0.1	0.1
390	1/21/2020 15:11	0	0.1	0
391	1/21/2020 15:12	0	0	0
392	1/21/2020 15:13	0	0	0
393	1/21/2020 15:14	0	0	0
394	1/21/2020 15:15	0	0	0
395	1/21/2020 15:16	0	0	0
396	1/21/2020 15:17	0	0	0
397	1/21/2020 15:18	0	0	0
398	1/21/2020 15:19	0	0	0
399	1/21/2020 15:20	0	0	0
400	1/21/2020 15:21	0	0	0
401	1/21/2020 15:22	0	0	0
402	1/21/2020 15:23	0	0	0
403	1/21/2020 15:24	0	0	0
404	1/21/2020 15:25	0	0	0
405	1/21/2020 15:26	0	0	0
406	1/21/2020 15:27	0	0	0
407	1/21/2020 15:28	0	0	0
408	1/21/2020 15:29	0	0	0
409	1/21/2020 15:30	0	0	0
410	1/21/2020 15:31	0	0	0
411	1/21/2020 15:32	0	0	0
412	1/21/2020 15:33	0	0	0
413	1/21/2020 15:34	0	0	0
414	1/21/2020 15:35	0.1	0.1	0.1
415	1/21/2020 15:36	0	0.1	0
416	1/21/2020 15:37	0	0.1	0.1
417	1/21/2020 15:38	0	0.1	0
418	1/21/2020 15:39	0.1	0.1	0.1
419	1/21/2020 15:40	0.1	0.1	0.1
420	1/21/2020 15:41	0.1	0.1	0.1
421	1/21/2020 15:42	0.1	0.1	0.1
422	1/21/2020 15:43	0.1	0.1	0.1
423	1/21/2020 15:44	0.1	0.1	0.1
424	1/21/2020 15:45	1.6	5.7	2.7
425	1/21/2020 15:46	1.4	3.2	0.4
426	1/21/2020 15:47	0.4	0.6	0.3
427	1/21/2020 15:48	0.8	2.9	2.8
428	1/21/2020 15:49	1	2.6	0.4

429	1/21/2020 15:50	0.4	0.5	0.4
430	1/21/2020 15:51	0.4	0.5	0.5
431	1/21/2020 15:52	0.4	0.6	0.4
432	1/21/2020 15:53	0.3	0.4	0.3
433	1/21/2020 15:54	0.2	0.3	0.2
434	1/21/2020 15:55	0.2	0.4	0.4
435	1/21/2020 15:56	0.5	1.5	0.2
436	1/21/2020 15:57	0.3	0.4	0.3
437	1/21/2020 15:58	0.2	0.3	0.2
438	1/21/2020 15:59	0.2	0.2	0.2
439	1/21/2020 16:00	0.3	0.7	0.5
440	1/21/2020 16:01	0.4	1	0.2
441	1/21/2020 16:02	0.2	0.2	0.2
442	1/21/2020 16:03	0.2	0.2	0.2
443	1/21/2020 16:04	0.1	0.2	0.1
444	1/21/2020 16:05	0.1	0.2	0.1
445	1/21/2020 16:06	0.1	0.1	0.1
446	1/21/2020 16:07	0.1	0.1	0.1
447	1/21/2020 16:08	0.1	0.1	0.1
448	1/21/2020 16:09	0.1	0.1	0.1
449	1/21/2020 16:10	0.1	0.1	0.1
450	1/21/2020 16:11	0.1	0.1	0.1
451	1/21/2020 16:12	0.1	0.1	0.1
452	1/21/2020 16:13	0.1	0.1	0.1
453	1/21/2020 16:14	0.1	0.1	0.1
454	1/21/2020 16:15	0.3	0.9	0.1
455	1/21/2020 16:16	0.2	0.2	0.1
456	1/21/2020 16:17	0.1	0.5	0.3
457	1/21/2020 16:18	0.1	0.2	0.1
458	1/21/2020 16:19	0.1	0.1	0.1
459	1/21/2020 16:20	0.1	0.1	0.1
460	1/21/2020 16:21	0.1	0.1	0.1
461	1/21/2020 16:22	0.1	0.1	0.1
462	1/21/2020 16:23	0.1	0.1	0.1
463	1/21/2020 16:24	0.1	0.1	0.1
464	1/21/2020 16:25	0.1	0.1	0.1
465	1/21/2020 16:26	0.1	0.1	0.1
466	1/21/2020 16:27	0.1	0.1	0.1
467	1/21/2020 16:28	0.1	0.1	0.1
468	1/21/2020 16:29	0.1	0.1	0.1
469	1/21/2020 16:30	0.1	0.1	0.1
470	1/21/2020 16:31	0.1	0.2	0.1
471	1/21/2020 16:32	0.1	0.2	0.1
472	1/21/2020 16:33	0.1	0.2	0.1
473	1/21/2020 16:34	0.1	0.1	0.1
474	1/21/2020 16:35	0.1	0.3	0.2
475	1/21/2020 16:36	0.1	0.4	0.1

	476	1/21/2020 16:37	0.1	0.1	0.1
	477	1/21/2020 16:38	0.1	0.1	0.1
	478	1/21/2020 16:39	0.1	0.1	0.1
	479	1/21/2020 16:40	0.1	0.1	0.1
	480	1/21/2020 16:41	0.1	0.1	0
	481	1/21/2020 16:42	0	0.1	0
	482	1/21/2020 16:43	0	0.1	0
	483	1/21/2020 16:44	0	0.1	0.1
	484	1/21/2020 16:45	0	0.1	0
	485	1/21/2020 16:46	0	0	0
	486	1/21/2020 16:47	0	0	0
	487	1/21/2020 16:48	0	0	0
Peak			1.6	5.7	2.8
Min			0	0	0
Average			0.1	0.2	0.1

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	1/21/2020 8:42	0	---
2	1/21/2020 8:43	0	---
3	1/21/2020 8:44	0	---
4	1/21/2020 8:45	0	---
5	1/21/2020 8:46	0	---
6	1/21/2020 8:47	0	---
7	1/21/2020 8:48	0	---
8	1/21/2020 8:49	0	---
9	1/21/2020 8:50	0	---
10	1/21/2020 8:51	0	---
11	1/21/2020 8:52	0	---
12	1/21/2020 8:53	0	---
13	1/21/2020 8:54	0	---
14	1/21/2020 8:55	0	---
15	1/21/2020 8:56	0	0
16	1/21/2020 8:57	0	0
17	1/21/2020 8:58	0	0
18	1/21/2020 8:59	0	0
19	1/21/2020 9:00	0	0
20	1/21/2020 9:01	0	0
21	1/21/2020 9:02	0	0
22	1/21/2020 9:03	0	0
23	1/21/2020 9:04	0	0
24	1/21/2020 9:05	0	0.1
25	1/21/2020 9:06	0	0.1
26	1/21/2020 9:07	0	0.1
27	1/21/2020 9:08	0	0.1

28	1/21/2020 9:09	0	0.1
29	1/21/2020 9:10	0	0.1
30	1/21/2020 9:11	0	0.1
31	1/21/2020 9:12	0	0.1
32	1/21/2020 9:13	0	0.1
33	1/21/2020 9:14	0	0.1
34	1/21/2020 9:15	0	0.1
35	1/21/2020 9:16	0	0.1
36	1/21/2020 9:17	0	0.1
37	1/21/2020 9:18	0	0.1
38	1/21/2020 9:19	0	0.1
39	1/21/2020 9:20	0	0.1
40	1/21/2020 9:21	0	0.1
41	1/21/2020 9:22	0	0.1
42	1/21/2020 9:23	0	0.1
43	1/21/2020 9:24	0	0.1
44	1/21/2020 9:25	0	0.1
45	1/21/2020 9:26	0	0.1
46	1/21/2020 9:27	0	0.1
47	1/21/2020 9:28	0	0.1
48	1/21/2020 9:29	0	0.1
49	1/21/2020 9:30	0	0.1
50	1/21/2020 9:31	0	0.1
51	1/21/2020 9:32	0	0.1
52	1/21/2020 9:33	0	0.1
53	1/21/2020 9:34	0	0.1
54	1/21/2020 9:35	0	0.1
55	1/21/2020 9:36	0	0.1
56	1/21/2020 9:37	0	0.1
57	1/21/2020 9:38	0	0.1
58	1/21/2020 9:39	0	0.1
59	1/21/2020 9:40	0	0.2
60	1/21/2020 9:41	0	0.2
61	1/21/2020 9:42	0	0.2
62	1/21/2020 9:43	0	0.2
63	1/21/2020 9:44	0	0.2
64	1/21/2020 9:45	0	0.2
65	1/21/2020 9:46	0	0.2
66	1/21/2020 9:47	0	0.2
67	1/21/2020 9:48	0	0.2
68	1/21/2020 9:49	0	0.2
69	1/21/2020 9:50	0	0.2
70	1/21/2020 9:51	0	0.2
71	1/21/2020 9:52	0	0.2
72	1/21/2020 9:53	0	0.2
73	1/21/2020 9:54	0	0.2
74	1/21/2020 9:55	0	0.1

75	1/21/2020 9:56	0	0.1
76	1/21/2020 9:57	0	0.1
77	1/21/2020 9:58	0	0.1
78	1/21/2020 9:59	0	0.1
79	1/21/2020 10:00	0	0.1
80	1/21/2020 10:01	0	0.1
81	1/21/2020 10:02	0	0.1
82	1/21/2020 10:03	0	0.1
83	1/21/2020 10:04	0	0.2
84	1/21/2020 10:05	0	0.2
85	1/21/2020 10:06	0	0.2
86	1/21/2020 10:07	0	0.2
87	1/21/2020 10:08	0	0.2
88	1/21/2020 10:09	0	0.2
89	1/21/2020 10:10	0	0.2
90	1/21/2020 10:11	0	0.2
91	1/21/2020 10:12	0	0.3
92	1/21/2020 10:13	0	0.3
93	1/21/2020 10:14	0	0.3
94	1/21/2020 10:15	0	0.3
95	1/21/2020 10:16	0	0.3
96	1/21/2020 10:17	0	0.3
97	1/21/2020 10:18	0	0.4
98	1/21/2020 10:19	0	0.4
99	1/21/2020 10:20	0	0.4
100	1/21/2020 10:21	0	0.4
101	1/21/2020 10:22	0	0.4
102	1/21/2020 10:23	0	0.4
103	1/21/2020 10:24	0	0.4
104	1/21/2020 10:25	0	0.4
105	1/21/2020 10:26	0	0.4
106	1/21/2020 10:27	0	0.4
107	1/21/2020 10:28	0	0.4
108	1/21/2020 10:29	0	0.4
109	1/21/2020 10:30	0	0.4
110	1/21/2020 10:31	0	0.4
111	1/21/2020 10:32	0	0.4
112	1/21/2020 10:33	0	0.4
113	1/21/2020 10:34	0	0.4
114	1/21/2020 10:35	0	0.4
115	1/21/2020 10:36	0	0.4
116	1/21/2020 10:37	0	0.4
117	1/21/2020 10:38	0	0.4
118	1/21/2020 10:39	0	0.4
119	1/21/2020 10:40	0	0.4
120	1/21/2020 10:41	0	0.4
121	1/21/2020 10:42	0	0.4

122	1/21/2020 10:43	0	0.4
123	1/21/2020 10:44	0	0.4
124	1/21/2020 10:45	0	0.4
125	1/21/2020 10:46	0	0.4
126	1/21/2020 10:47	0	0.4
127	1/21/2020 10:48	0	0.4
128	1/21/2020 10:49	0.1	0.4
129	1/21/2020 10:50	0.1	0.4
130	1/21/2020 10:51	0.1	0.4
131	1/21/2020 10:52	0.1	0.4
132	1/21/2020 10:53	0.1	0.4
133	1/21/2020 10:54	0.1	0.4
134	1/21/2020 10:55	0.1	0.4
135	1/21/2020 10:56	0.1	0.4
136	1/21/2020 10:57	0.1	0.4
137	1/21/2020 10:58	0.1	0.4
138	1/21/2020 10:59	0.1	0.4
139	1/21/2020 11:00	0.1	0.4
140	1/21/2020 11:01	0.1	0.3
141	1/21/2020 11:02	0.1	0.3
142	1/21/2020 11:03	0.1	0.3
143	1/21/2020 11:04	0.1	0.3
144	1/21/2020 11:05	0.1	0.3
145	1/21/2020 11:06	0.1	0.3
146	1/21/2020 11:07	0.1	0.3
147	1/21/2020 11:08	0.1	0.2
148	1/21/2020 11:09	0.1	0.2
149	1/21/2020 11:10	0.1	0.2
150	1/21/2020 11:11	0.1	0.2
151	1/21/2020 11:12	0.1	0.2
152	1/21/2020 11:13	0.1	0.2
153	1/21/2020 11:14	0.1	0.2
154	1/21/2020 11:15	0.1	0.1
155	1/21/2020 11:16	0.1	0.1
156	1/21/2020 11:17	0.1	0.1
157	1/21/2020 11:18	0.1	0.1
158	1/21/2020 11:19	0.1	0.1
159	1/21/2020 11:20	0.1	0.1
160	1/21/2020 11:21	0.1	0.1
161	1/21/2020 11:22	0.1	0.1
162	1/21/2020 11:23	0.1	0.1
163	1/21/2020 11:24	0.1	0.1
164	1/21/2020 11:25	0.1	0.1
165	1/21/2020 11:26	0.1	0.1
166	1/21/2020 11:27	0.1	0.1
167	1/21/2020 11:28	0.1	0.1
168	1/21/2020 11:29	0.1	0.1

169	1/21/2020 11:30	0.1	0.1
170	1/21/2020 11:31	0.1	0.1
171	1/21/2020 11:32	0.1	0.1
172	1/21/2020 11:33	0.1	0.1
173	1/21/2020 11:34	0.1	0.1
174	1/21/2020 11:35	0.1	0.1
175	1/21/2020 11:36	0.1	0.1
176	1/21/2020 11:37	0.1	0.1
177	1/21/2020 11:38	0.1	0.1
178	1/21/2020 11:39	0.1	0.1
179	1/21/2020 11:40	0.1	0.1
180	1/21/2020 11:41	0.1	0.1
181	1/21/2020 11:42	0.1	0.1
182	1/21/2020 11:43	0.1	0.1
183	1/21/2020 11:44	0.1	0.1
184	1/21/2020 11:45	0.1	0.1
185	1/21/2020 11:46	0.1	0.1
186	1/21/2020 11:47	0.1	0.1
187	1/21/2020 11:48	0.1	0.1
188	1/21/2020 11:49	0.1	0.1
189	1/21/2020 11:50	0.1	0.1
190	1/21/2020 11:51	0.1	0.1
191	1/21/2020 11:52	0.1	0.1
192	1/21/2020 11:53	0.1	0.1
193	1/21/2020 11:54	0.1	0.1
194	1/21/2020 11:55	0.1	0.1
195	1/21/2020 11:56	0.1	0.1
196	1/21/2020 11:57	0.1	0.1
197	1/21/2020 11:58	0.1	0.1
198	1/21/2020 11:59	0.1	0.1
199	1/21/2020 12:00	0.1	0.1
200	1/21/2020 12:01	0.1	0.1
201	1/21/2020 12:02	0.1	0.1
202	1/21/2020 12:03	0.1	0.1
203	1/21/2020 12:04	0.1	0.1
204	1/21/2020 12:05	0.1	0.1
205	1/21/2020 12:06	0.1	0.1
206	1/21/2020 12:07	0.1	0.1
207	1/21/2020 12:08	0.1	0.1
208	1/21/2020 12:09	0.1	0.1
209	1/21/2020 12:10	0.1	0.1
210	1/21/2020 12:11	0.1	0.1
211	1/21/2020 12:12	0.1	0.1
212	1/21/2020 12:13	0.1	0.1
213	1/21/2020 12:14	0.1	0.1
214	1/21/2020 12:15	0.1	0.1
215	1/21/2020 12:16	0.1	0.1

216	1/21/2020 12:17	0.1	0.1
217	1/21/2020 12:18	0.1	0.1
218	1/21/2020 12:19	0.1	0.1
219	1/21/2020 12:20	0.1	0.1
220	1/21/2020 12:21	0.1	0.1
221	1/21/2020 12:22	0.1	0.1
222	1/21/2020 12:23	0.1	0.1
223	1/21/2020 12:24	0.1	0.1
224	1/21/2020 12:25	0.1	0.1
225	1/21/2020 12:26	0.1	0.1
226	1/21/2020 12:27	0.1	0.1
227	1/21/2020 12:28	0.1	0.1
228	1/21/2020 12:29	0.1	0.1
229	1/21/2020 12:30	0.1	0.1
230	1/21/2020 12:31	0.1	0.1
231	1/21/2020 12:32	0.1	0.1
232	1/21/2020 12:33	0.1	0.1
233	1/21/2020 12:34	0.1	0.1
234	1/21/2020 12:35	0.1	0.1
235	1/21/2020 12:36	0.1	0.1
236	1/21/2020 12:37	0.1	0.1
237	1/21/2020 12:38	0.1	0.1
238	1/21/2020 12:39	0.1	0.1
239	1/21/2020 12:40	0.1	0.1
240	1/21/2020 12:41	0.1	0.1
241	1/21/2020 12:42	0.1	0.1
242	1/21/2020 12:43	0.1	0.1
243	1/21/2020 12:44	0.1	0.1
244	1/21/2020 12:45	0.1	0.1
245	1/21/2020 12:46	0.1	0.1
246	1/21/2020 12:47	0.1	0.1
247	1/21/2020 12:48	0.1	0.1
248	1/21/2020 12:49	0.1	0.1
249	1/21/2020 12:50	0.1	0.1
250	1/21/2020 12:51	0.1	0.1
251	1/21/2020 12:52	0.1	0.1
252	1/21/2020 12:53	0.1	0.1
253	1/21/2020 12:54	0.1	0.1
254	1/21/2020 12:55	0.1	0.1
255	1/21/2020 12:56	0.1	0.1
256	1/21/2020 12:57	0.1	0.1
257	1/21/2020 12:58	0.1	0.1
258	1/21/2020 12:59	0.1	0.1
259	1/21/2020 13:00	0.1	0.1
260	1/21/2020 13:01	0.1	0.1
261	1/21/2020 13:02	0.1	0.1
262	1/21/2020 13:03	0.1	0.1

263	1/21/2020 13:04	0.1	0.1
264	1/21/2020 13:05	0.1	0.1
265	1/21/2020 13:06	0.1	0.1
266	1/21/2020 13:07	0.1	0.1
267	1/21/2020 13:08	0.1	0.1
268	1/21/2020 13:09	0.1	0.1
269	1/21/2020 13:10	0.1	0.1
270	1/21/2020 13:11	0.1	0.1
271	1/21/2020 13:12	0.1	0.1
272	1/21/2020 13:13	0.1	0.1
273	1/21/2020 13:14	0.1	0.1
274	1/21/2020 13:15	0.1	0.1
275	1/21/2020 13:16	0.1	0.1
276	1/21/2020 13:17	0.1	0.1
277	1/21/2020 13:18	0.1	0.1
278	1/21/2020 13:19	0.1	0.1
279	1/21/2020 13:20	0.1	0.1
280	1/21/2020 13:21	0.1	0.1
281	1/21/2020 13:22	0.1	0.1
282	1/21/2020 13:23	0.1	0.1
283	1/21/2020 13:24	0.1	0.1
284	1/21/2020 13:25	0.1	0.1
285	1/21/2020 13:26	0.1	0.1
286	1/21/2020 13:27	0.1	0.1
287	1/21/2020 13:28	0.1	0.1
288	1/21/2020 13:29	0.1	0.1
289	1/21/2020 13:30	0.1	0.1
290	1/21/2020 13:31	0.1	0.1
291	1/21/2020 13:32	0.1	0.1
292	1/21/2020 13:33	0.1	0.1
293	1/21/2020 13:34	0.1	0.1
294	1/21/2020 13:35	0.1	0.1
295	1/21/2020 13:36	0.1	0.1
296	1/21/2020 13:37	0.1	0.1
297	1/21/2020 13:38	0.1	0.1
298	1/21/2020 13:39	0.1	0.1
299	1/21/2020 13:40	0.1	0.1
300	1/21/2020 13:41	0.1	0.1
301	1/21/2020 13:42	0.1	0.1
302	1/21/2020 13:43	0.1	0.1
303	1/21/2020 13:44	0.1	0.1
304	1/21/2020 13:45	0.1	0.1
305	1/21/2020 13:46	0.1	0.1
306	1/21/2020 13:47	0.1	0.1
307	1/21/2020 13:48	0.1	0.1
308	1/21/2020 13:49	0.1	0.1
309	1/21/2020 13:50	0.1	0.1

310	1/21/2020 13:51	0.1	0.1
311	1/21/2020 13:52	0.1	0.1
312	1/21/2020 13:53	0.1	0.1
313	1/21/2020 13:54	0.1	0.1
314	1/21/2020 13:55	0.1	0.1
315	1/21/2020 13:56	0.1	0.1
316	1/21/2020 13:57	0.1	0.1
317	1/21/2020 13:58	0.1	0.1
318	1/21/2020 13:59	0.1	0.1
319	1/21/2020 14:00	0.1	0.1
320	1/21/2020 14:01	0.1	0.1
321	1/21/2020 14:02	0.1	0.1
322	1/21/2020 14:03	0.1	0.1
323	1/21/2020 14:04	0.1	0.1
324	1/21/2020 14:05	0.1	0.1
325	1/21/2020 14:06	0.1	0.1
326	1/21/2020 14:07	0.1	0.1
327	1/21/2020 14:08	0.1	0.1
328	1/21/2020 14:09	0.1	0.1
329	1/21/2020 14:10	0.1	0.1
330	1/21/2020 14:11	0.1	0.2
331	1/21/2020 14:12	0.1	0.2
332	1/21/2020 14:13	0.1	0.2
333	1/21/2020 14:14	0.1	0.2
334	1/21/2020 14:15	0.1	0.2
335	1/21/2020 14:16	0.1	0.2
336	1/21/2020 14:17	0.1	0.2
337	1/21/2020 14:18	0.1	0.2
338	1/21/2020 14:19	0.1	0.2
339	1/21/2020 14:20	0.1	0.2
340	1/21/2020 14:21	0.1	0.2
341	1/21/2020 14:22	0.1	0.2
342	1/21/2020 14:23	0.1	0.2
343	1/21/2020 14:24	0.1	0.2
344	1/21/2020 14:25	0.1	0.2
345	1/21/2020 14:26	0.1	0.2
346	1/21/2020 14:27	0.1	0.2
347	1/21/2020 14:28	0.1	0.2
348	1/21/2020 14:29	0.1	0.1
349	1/21/2020 14:30	0.1	0.1
350	1/21/2020 14:31	0.1	0.1
351	1/21/2020 14:32	0.1	0.1
352	1/21/2020 14:33	0.1	0.1
353	1/21/2020 14:34	0.1	0.1
354	1/21/2020 14:35	0.1	0.1
355	1/21/2020 14:36	0.1	0.1
356	1/21/2020 14:37	0.1	0.1

357	1/21/2020 14:38	0.1	0.1
358	1/21/2020 14:39	0.1	0.1
359	1/21/2020 14:40	0.1	0.1
360	1/21/2020 14:41	0.1	0.1
361	1/21/2020 14:42	0.1	0.1
362	1/21/2020 14:43	0.1	0.1
363	1/21/2020 14:44	0.1	0.1
364	1/21/2020 14:45	0.1	0.1
365	1/21/2020 14:46	0.1	0
366	1/21/2020 14:47	0.1	0
367	1/21/2020 14:48	0.1	0
368	1/21/2020 14:49	0.1	0
369	1/21/2020 14:50	0.1	0
370	1/21/2020 14:51	0.1	0
371	1/21/2020 14:52	0.1	0
372	1/21/2020 14:53	0.1	0
373	1/21/2020 14:54	0.1	0
374	1/21/2020 14:55	0.1	0
375	1/21/2020 14:56	0.1	0
376	1/21/2020 14:57	0.1	0
377	1/21/2020 14:58	0.1	0
378	1/21/2020 14:59	0.1	0
379	1/21/2020 15:00	0.1	0
380	1/21/2020 15:01	0.1	0
381	1/21/2020 15:02	0.1	0
382	1/21/2020 15:03	0.1	0
383	1/21/2020 15:04	0.1	0
384	1/21/2020 15:05	0.1	0
385	1/21/2020 15:06	0.1	0
386	1/21/2020 15:07	0.1	0
387	1/21/2020 15:08	0.1	0
388	1/21/2020 15:09	0.1	0
389	1/21/2020 15:10	0.1	0
390	1/21/2020 15:11	0.1	0
391	1/21/2020 15:12	0.1	0
392	1/21/2020 15:13	0.1	0
393	1/21/2020 15:14	0.1	0
394	1/21/2020 15:15	0.1	0
395	1/21/2020 15:16	0.1	0
396	1/21/2020 15:17	0.1	0
397	1/21/2020 15:18	0.1	0
398	1/21/2020 15:19	0.1	0
399	1/21/2020 15:20	0.1	0
400	1/21/2020 15:21	0.1	0
401	1/21/2020 15:22	0.1	0
402	1/21/2020 15:23	0.1	0
403	1/21/2020 15:24	0.1	0

404	1/21/2020 15:25	0.1	0
405	1/21/2020 15:26	0.1	0
406	1/21/2020 15:27	0.1	0
407	1/21/2020 15:28	0.1	0
408	1/21/2020 15:29	0.1	0
409	1/21/2020 15:30	0.1	0
410	1/21/2020 15:31	0.1	0
411	1/21/2020 15:32	0.1	0
412	1/21/2020 15:33	0.1	0
413	1/21/2020 15:34	0.1	0
414	1/21/2020 15:35	0.1	0
415	1/21/2020 15:36	0.1	0
416	1/21/2020 15:37	0.1	0
417	1/21/2020 15:38	0.1	0
418	1/21/2020 15:39	0.1	0
419	1/21/2020 15:40	0.1	0
420	1/21/2020 15:41	0.1	0
421	1/21/2020 15:42	0.1	0
422	1/21/2020 15:43	0.1	0
423	1/21/2020 15:44	0.1	0.1
424	1/21/2020 15:45	0.1	0.2
425	1/21/2020 15:46	0.1	0.3
426	1/21/2020 15:47	0.1	0.3
427	1/21/2020 15:48	0.1	0.5
428	1/21/2020 15:49	0.1	0.5
429	1/21/2020 15:50	0.1	0.5
430	1/21/2020 15:51	0.1	0.5
431	1/21/2020 15:52	0.1	0.6
432	1/21/2020 15:53	0.1	0.6
433	1/21/2020 15:54	0.1	0.6
434	1/21/2020 15:55	0.1	0.6
435	1/21/2020 15:56	0.1	0.6
436	1/21/2020 15:57	0.1	0.6
437	1/21/2020 15:58	0.1	0.6
438	1/21/2020 15:59	0.1	0.7
439	1/21/2020 16:00	0.1	0.7
440	1/21/2020 16:01	0.1	0.5
441	1/21/2020 16:02	0.1	0.5
442	1/21/2020 16:03	0.1	0.5
443	1/21/2020 16:04	0.1	0.3
444	1/21/2020 16:05	0.1	0.3
445	1/21/2020 16:06	0.1	0.3
446	1/21/2020 16:07	0.1	0.2
447	1/21/2020 16:08	0.1	0.2
448	1/21/2020 16:09	0.1	0.2
449	1/21/2020 16:10	0.1	0.2
450	1/21/2020 16:11	0.1	0.2

451	1/21/2020 16:12	0.1	0.2
452	1/21/2020 16:13	0.1	0.2
453	1/21/2020 16:14	0.1	0.2
454	1/21/2020 16:15	0.1	0.2
455	1/21/2020 16:16	0.1	0.1
456	1/21/2020 16:17	0.1	0.1
457	1/21/2020 16:18	0.1	0.1
458	1/21/2020 16:19	0.1	0.1
459	1/21/2020 16:20	0.1	0.1
460	1/21/2020 16:21	0.1	0.1
461	1/21/2020 16:22	0.1	0.1
462	1/21/2020 16:23	0.1	0.1
463	1/21/2020 16:24	0.1	0.1
464	1/21/2020 16:25	0.1	0.1
465	1/21/2020 16:26	0.1	0.1
466	1/21/2020 16:27	0.1	0.1
467	1/21/2020 16:28	0.1	0.1
468	1/21/2020 16:29	0.1	0.1
469	1/21/2020 16:30	0.1	0.1
470	1/21/2020 16:31	0.1	0.1
471	1/21/2020 16:32	0.1	0.1
472	1/21/2020 16:33	0.1	0.1
473	1/21/2020 16:34	0.1	0.1
474	1/21/2020 16:35	0.1	0.1
475	1/21/2020 16:36	0.1	0.1
476	1/21/2020 16:37	0.1	0.1
477	1/21/2020 16:38	0.1	0.1
478	1/21/2020 16:39	0.1	0.1
479	1/21/2020 16:40	0.1	0.1
480	1/21/2020 16:41	0.1	0.1
481	1/21/2020 16:42	0.1	0.1
482	1/21/2020 16:43	0.1	0.1
483	1/21/2020 16:44	0.1	0.1
484	1/21/2020 16:45	0.1	0.1
485	1/21/2020 16:46	0.1	0.1
486	1/21/2020 16:47	0.1	0.1
487	1/21/2020 16:48	0.1	0.1

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20/01/23 08:49

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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-910712
Unit Firmware Ver	V2.20A

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Pause in Communication Mode

Site ID	12345678
User ID	12345678

Begin	1/23/2020 7:49
End	1/23/2020 7:50
Sample Period(s)	60
Number of Records	1

Sensor	PID(ppm)
Sensor SN	S023030021Q5
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	1/3/2020 12:41
Peak	0
Min	0
Average	0

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Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	1/23/2020 7:50	0	0	0
Peak		0	0	0
Min		0	0	0
Average		0	0	0

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TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	1/23/2020 8:50	0	---

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20/01/23 08:49
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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-910712
Unit Firmware Ver	V2.20A
Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Pause in Communication Mode
Site ID	12345678
User ID	12345678
Begin	1/23/2020 8:49
End	1/23/2020 8:50
Sample Period(s)	60
Number of Records	1
Sensor	PID(ppm)
Sensor SN	S023030021Q5
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	1/3/2020 12:41
Peak	0
Min	0
Average	0

****
Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	1/23/2020 8:50	0	0	0
Peak		0	0	0
Min		0	0	0
Average		0	0	0

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TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	1/23/2020 8:50	0	---

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20/01/23 08:54
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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-910712
Unit Firmware Ver	V2.20A
Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down
Site ID	12345678
User ID	12345678
Begin	1/23/2020 8:54
End	1/23/2020 17:09
Sample Period(s)	60
Number of Records	494
Sensor	PID(ppm)
Sensor SN	S023030021Q5
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	1/3/2020 12:41
Peak	2.5
Min	0
Average	0.1

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Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	1/23/2020 8:55	0	0.1	0
2	1/23/2020 8:56	0	0	0
3	1/23/2020 8:57	0	0	0
4	1/23/2020 8:58	0	0	0
5	1/23/2020 8:59	0	0	0

6	1/23/2020 9:00	0	0	0
7	1/23/2020 9:01	0	0	0
8	1/23/2020 9:02	0	0	0
9	1/23/2020 9:03	0	0	0
10	1/23/2020 9:04	0	0	0
11	1/23/2020 9:05	0	0	0
12	1/23/2020 9:06	0	0	0
13	1/23/2020 9:07	0	0	0
14	1/23/2020 9:08	0	0	0
15	1/23/2020 9:09	0	0	0
16	1/23/2020 9:10	0	0	0
17	1/23/2020 9:11	0	0	0
18	1/23/2020 9:12	0	0	0
19	1/23/2020 9:13	0	0	0
20	1/23/2020 9:14	0	0.1	0
21	1/23/2020 9:15	0	0	0
22	1/23/2020 9:16	0	0.1	0
23	1/23/2020 9:17	0	0	0
24	1/23/2020 9:18	0	0	0
25	1/23/2020 9:19	0	0	0
26	1/23/2020 9:20	0	0	0
27	1/23/2020 9:21	0	0.1	0
28	1/23/2020 9:22	0	0	0
29	1/23/2020 9:23	0	0	0
30	1/23/2020 9:24	0	0	0
31	1/23/2020 9:25	0	0	0
32	1/23/2020 9:26	0	0	0
33	1/23/2020 9:27	0	0.1	0
34	1/23/2020 9:28	0	0	0
35	1/23/2020 9:29	0	0	0
36	1/23/2020 9:30	0	0	0
37	1/23/2020 9:31	0	0	0
38	1/23/2020 9:32	0	0	0
39	1/23/2020 9:33	0	0	0
40	1/23/2020 9:34	0	0	0
41	1/23/2020 9:35	0	0	0
42	1/23/2020 9:36	0	0	0
43	1/23/2020 9:37	0	0	0
44	1/23/2020 9:38	0	0	0
45	1/23/2020 9:39	0	0	0
46	1/23/2020 9:40	0	0	0
47	1/23/2020 9:41	0.1	0.2	0.1
48	1/23/2020 9:42	0.1	0.1	0
49	1/23/2020 9:43	0	0.1	0
50	1/23/2020 9:44	0	0	0
51	1/23/2020 9:45	0	0	0
52	1/23/2020 9:46	0	0	0

53	1/23/2020 9:47	0	0	0
54	1/23/2020 9:48	0	0	0
55	1/23/2020 9:49	0	0	0
56	1/23/2020 9:50	0	0	0
57	1/23/2020 9:51	0	0	0
58	1/23/2020 9:52	0	0	0
59	1/23/2020 9:53	0	0.1	0.1
60	1/23/2020 9:54	0.1	0.1	0
61	1/23/2020 9:55	0.1	0.1	0
62	1/23/2020 9:56	0.1	0.1	0.1
63	1/23/2020 9:57	0.1	0.1	0.1
64	1/23/2020 9:58	0.1	0.1	0.1
65	1/23/2020 9:59	0.1	0.1	0
66	1/23/2020 10:00	0.1	0.1	0
67	1/23/2020 10:01	0	0.1	0
68	1/23/2020 10:02	0	0.1	0
69	1/23/2020 10:03	0	0.1	0.1
70	1/23/2020 10:04	0.1	0.2	0.1
71	1/23/2020 10:05	0	0	0
72	1/23/2020 10:06	0	0.1	0
73	1/23/2020 10:07	0	0	0
74	1/23/2020 10:08	0	0.1	0
75	1/23/2020 10:09	0	0.1	0
76	1/23/2020 10:10	0.1	0.1	0
77	1/23/2020 10:11	0	0.1	0
78	1/23/2020 10:12	0.1	0.1	0.1
79	1/23/2020 10:13	0.1	0.1	0.1
80	1/23/2020 10:14	0.1	0.1	0.1
81	1/23/2020 10:15	0.1	0.1	0.1
82	1/23/2020 10:16	0.1	0.1	0.1
83	1/23/2020 10:17	0.1	0.1	0.1
84	1/23/2020 10:18	0.1	0.1	0.1
85	1/23/2020 10:19	0.1	0.1	0.1
86	1/23/2020 10:20	0	0.1	0
87	1/23/2020 10:21	0	0.1	0
88	1/23/2020 10:22	0	0.1	0
89	1/23/2020 10:23	0	0.1	0
90	1/23/2020 10:24	0	0.1	0.1
91	1/23/2020 10:25	0	0.1	0
92	1/23/2020 10:26	0	0.1	0.1
93	1/23/2020 10:27	0.1	0.3	0.2
94	1/23/2020 10:28	0	0.2	0
95	1/23/2020 10:29	0	0.1	0
96	1/23/2020 10:30	0	0	0
97	1/23/2020 10:31	0	0	0
98	1/23/2020 10:32	0	0	0
99	1/23/2020 10:33	0	0	0

100	1/23/2020 10:34	0	0	0
101	1/23/2020 10:35	0	0	0
102	1/23/2020 10:36	0	0	0
103	1/23/2020 10:37	0	0.1	0
104	1/23/2020 10:38	0	0.1	0
105	1/23/2020 10:39	0	0	0
106	1/23/2020 10:40	0	0	0
107	1/23/2020 10:41	0	0.1	0
108	1/23/2020 10:42	0	0.1	0
109	1/23/2020 10:43	0.1	0.1	0
110	1/23/2020 10:44	0	0.1	0
111	1/23/2020 10:45	0	0.1	0
112	1/23/2020 10:46	0	0	0
113	1/23/2020 10:47	0	0.1	0
114	1/23/2020 10:48	0	0.1	0
115	1/23/2020 10:49	0	0.1	0.1
116	1/23/2020 10:50	0	0.1	0.1
117	1/23/2020 10:51	0.1	0.1	0
118	1/23/2020 10:52	0.1	0.1	0
119	1/23/2020 10:53	0.1	0.1	0.1
120	1/23/2020 10:54	0.1	0.2	0.2
121	1/23/2020 10:55	0.3	0.4	0.2
122	1/23/2020 10:56	0.3	0.3	0.3
123	1/23/2020 10:57	0.3	0.4	0.3
124	1/23/2020 10:58	0.3	0.3	0.2
125	1/23/2020 10:59	0.2	0.2	0.2
126	1/23/2020 11:00	0.2	0.2	0.2
127	1/23/2020 11:01	0.2	0.2	0.1
128	1/23/2020 11:02	0.1	0.2	0.1
129	1/23/2020 11:03	0.1	0.1	0.1
130	1/23/2020 11:04	0.1	0.1	0.1
131	1/23/2020 11:05	0.1	0.1	0.1
132	1/23/2020 11:06	0	0.1	0
133	1/23/2020 11:07	0	0	0
134	1/23/2020 11:08	0	0	0
135	1/23/2020 11:09	0	0	0
136	1/23/2020 11:10	0	0	0
137	1/23/2020 11:11	0	0	0
138	1/23/2020 11:12	0	0	0
139	1/23/2020 11:13	0	0	0
140	1/23/2020 11:14	0	0	0
141	1/23/2020 11:15	2.6	9.5	0.1
142	1/23/2020 11:16	0.1	0.1	0.1
143	1/23/2020 11:17	0.1	0.1	0.1
144	1/23/2020 11:18	0.1	0.1	0.1
145	1/23/2020 11:19	0.1	0.1	0.1
146	1/23/2020 11:20	0.1	0.1	0.1

147	1/23/2020 11:21	0.1	0.1	0.1
148	1/23/2020 11:22	0.1	0.1	0.1
149	1/23/2020 11:23	0.1	0.1	0.1
150	1/23/2020 11:24	0.1	0.1	0.1
151	1/23/2020 11:25	0.1	0.1	0.1
152	1/23/2020 11:26	0.1	0.1	0.1
153	1/23/2020 11:27	0.1	0.1	0.1
154	1/23/2020 11:28	0.1	0.1	0.1
155	1/23/2020 11:29	0.1	0.1	0.1
156	1/23/2020 11:30	0.1	0.1	0.1
157	1/23/2020 11:31	0.1	0.2	0.1
158	1/23/2020 11:32	0.1	0.2	0.2
159	1/23/2020 11:33	0.1	0.2	0.1
160	1/23/2020 11:34	0.1	0.2	0.1
161	1/23/2020 11:35	0.1	0.2	0.1
162	1/23/2020 11:36	0.1	0.2	0.1
163	1/23/2020 11:37	0.1	0.2	0.1
164	1/23/2020 11:38	0.1	0.1	0.1
165	1/23/2020 11:39	0.1	0.2	0.1
166	1/23/2020 11:40	0.1	0.1	0.1
167	1/23/2020 11:41	0.1	0.1	0.1
168	1/23/2020 11:42	0.1	0.2	0.1
169	1/23/2020 11:43	0.1	0.1	0.1
170	1/23/2020 11:44	0.1	0.1	0.1
171	1/23/2020 11:45	0.1	0.1	0.1
172	1/23/2020 11:46	0.1	0.1	0.1
173	1/23/2020 11:47	0.1	0.1	0.1
174	1/23/2020 11:48	0.1	0.1	0.1
175	1/23/2020 11:49	0.1	0.1	0.1
176	1/23/2020 11:50	0.1	0.1	0.1
177	1/23/2020 11:51	0.1	0.1	0.1
178	1/23/2020 11:52	0.1	0.1	0.1
179	1/23/2020 11:53	0.2	0.2	0.2
180	1/23/2020 11:54	0.2	0.2	0.2
181	1/23/2020 11:55	0.2	0.2	0.1
182	1/23/2020 11:56	0.1	0.2	0.1
183	1/23/2020 11:57	0.1	0.2	0.2
184	1/23/2020 11:58	0.1	0.2	0.1
185	1/23/2020 11:59	0.6	2.5	2.5
186	1/23/2020 12:00	0.2	2.2	0.1
187	1/23/2020 12:01	0.1	0.1	0.1
188	1/23/2020 12:02	0.1	0.1	0.1
189	1/23/2020 12:03	0.1	0.1	0.1
190	1/23/2020 12:04	0.1	0.1	0
191	1/23/2020 12:05	0	0.1	0
192	1/23/2020 12:06	0	0.1	0
193	1/23/2020 12:07	0	0	0

194	1/23/2020 12:08	0	0	0
195	1/23/2020 12:09	0	0.1	0
196	1/23/2020 12:10	0	0	0
197	1/23/2020 12:11	0	0	0
198	1/23/2020 12:12	0	0	0
199	1/23/2020 12:13	0	0	0
200	1/23/2020 12:14	0	0	0
201	1/23/2020 12:15	0	0	0
202	1/23/2020 12:16	0	0	0
203	1/23/2020 12:17	0	0.1	0
204	1/23/2020 12:18	0	0	0
205	1/23/2020 12:19	0	0.1	0
206	1/23/2020 12:20	0	0.1	0
207	1/23/2020 12:21	0	0.1	0.1
208	1/23/2020 12:22	0	0.1	0
209	1/23/2020 12:23	0	0.1	0
210	1/23/2020 12:24	0	0.1	0
211	1/23/2020 12:25	0	0.1	0
212	1/23/2020 12:26	0.1	0.1	0.1
213	1/23/2020 12:27	0.1	0.1	0.1
214	1/23/2020 12:28	0.1	0.1	0
215	1/23/2020 12:29	0	0	0
216	1/23/2020 12:30	0	0.1	0
217	1/23/2020 12:31	0.1	0.1	0.1
218	1/23/2020 12:32	0.1	0.1	0.1
219	1/23/2020 12:33	0.1	0.1	0.1
220	1/23/2020 12:34	0.1	0.1	0.1
221	1/23/2020 12:35	0.1	0.1	0.1
222	1/23/2020 12:36	0.1	0.1	0.1
223	1/23/2020 12:37	0.1	0.1	0.1
224	1/23/2020 12:38	0.1	0.1	0.1
225	1/23/2020 12:39	0.1	0.1	0.1
226	1/23/2020 12:40	0.1	0.1	0.1
227	1/23/2020 12:41	0.1	0.1	0.1
228	1/23/2020 12:42	0.1	0.1	0.1
229	1/23/2020 12:43	0.1	0.1	0.1
230	1/23/2020 12:44	0.1	0.1	0.1
231	1/23/2020 12:45	0	0.1	0
232	1/23/2020 12:46	0.2	1.1	0.6
233	1/23/2020 12:47	2.2	5.2	0.9
234	1/23/2020 12:48	0.8	1.3	0.3
235	1/23/2020 12:49	0.2	0.3	0.2
236	1/23/2020 12:50	0.1	0.2	0.2
237	1/23/2020 12:51	0.1	0.2	0.2
238	1/23/2020 12:52	0.1	0.2	0.2
239	1/23/2020 12:53	0.2	0.2	0.2
240	1/23/2020 12:54	0.2	0.3	0.2

241	1/23/2020 12:55	0.2	0.4	0.2
242	1/23/2020 12:56	0.2	0.3	0.3
243	1/23/2020 12:57	0.3	0.6	0.2
244	1/23/2020 12:58	0.3	0.4	0.4
245	1/23/2020 12:59	0.3	0.7	0.3
246	1/23/2020 13:00	0.2	0.5	0.3
247	1/23/2020 13:01	0.2	0.3	0.2
248	1/23/2020 13:02	0.2	0.3	0.1
249	1/23/2020 13:03	0.2	0.4	0.2
250	1/23/2020 13:04	0.2	0.4	0.1
251	1/23/2020 13:05	0.2	0.3	0.2
252	1/23/2020 13:06	0.2	0.2	0.2
253	1/23/2020 13:07	0.2	0.2	0.2
254	1/23/2020 13:08	0.2	0.3	0.2
255	1/23/2020 13:09	0.2	0.3	0.2
256	1/23/2020 13:10	0.2	0.4	0.4
257	1/23/2020 13:11	0.2	0.4	0.2
258	1/23/2020 13:12	0.2	0.3	0.2
259	1/23/2020 13:13	0.2	0.3	0.2
260	1/23/2020 13:14	0.2	0.3	0.2
261	1/23/2020 13:15	0.2	0.3	0.1
262	1/23/2020 13:16	0.2	0.3	0.3
263	1/23/2020 13:17	0.2	0.3	0.2
264	1/23/2020 13:18	0.2	0.2	0.1
265	1/23/2020 13:19	0.2	0.2	0.2
266	1/23/2020 13:20	0.2	0.3	0.1
267	1/23/2020 13:21	0.2	0.4	0.2
268	1/23/2020 13:22	0.2	0.2	0.2
269	1/23/2020 13:23	0.2	0.3	0.2
270	1/23/2020 13:24	0.2	0.2	0.2
271	1/23/2020 13:25	0.2	0.2	0.2
272	1/23/2020 13:26	0.2	0.2	0.2
273	1/23/2020 13:27	0.2	0.2	0.2
274	1/23/2020 13:28	0.2	0.3	0.2
275	1/23/2020 13:29	0.3	0.5	0.2
276	1/23/2020 13:30	0.3	0.7	0.2
277	1/23/2020 13:31	0.2	0.3	0.2
278	1/23/2020 13:32	0.2	0.2	0.2
279	1/23/2020 13:33	0.2	0.2	0.2
280	1/23/2020 13:34	0.1	0.2	0.1
281	1/23/2020 13:35	0.1	0.1	0.1
282	1/23/2020 13:36	0.1	0.1	0.1
283	1/23/2020 13:37	0.1	0.1	0.1
284	1/23/2020 13:38	0.1	0.1	0.1
285	1/23/2020 13:39	0.1	0.1	0.1
286	1/23/2020 13:40	0.1	0.1	0.1
287	1/23/2020 13:41	0.1	0.1	0

288	1/23/2020 13:42	0.1	0.1	0.1
289	1/23/2020 13:43	0.1	0.1	0
290	1/23/2020 13:44	0	0.1	0
291	1/23/2020 13:45	0	0.1	0
292	1/23/2020 13:46	0	0.1	0
293	1/23/2020 13:47	0	0	0
294	1/23/2020 13:48	0.1	0.1	0.1
295	1/23/2020 13:49	0.1	0.4	0.2
296	1/23/2020 13:50	0.2	0.3	0.1
297	1/23/2020 13:51	0.1	0.1	0.1
298	1/23/2020 13:52	0.1	0.1	0.1
299	1/23/2020 13:53	0.1	0.1	0.1
300	1/23/2020 13:54	0	0.1	0
301	1/23/2020 13:55	0	0.1	0.1
302	1/23/2020 13:56	0	0.1	0
303	1/23/2020 13:57	0	0	0
304	1/23/2020 13:58	0	0	0
305	1/23/2020 13:59	0	0.1	0
306	1/23/2020 14:00	0	0	0
307	1/23/2020 14:01	0	0	0
308	1/23/2020 14:02	0	0	0
309	1/23/2020 14:03	0	0	0
310	1/23/2020 14:04	0	0	0
311	1/23/2020 14:05	0	0	0
312	1/23/2020 14:06	0	0	0
313	1/23/2020 14:07	0	0	0
314	1/23/2020 14:08	0	0	0
315	1/23/2020 14:09	0	0	0
316	1/23/2020 14:10	0	0	0
317	1/23/2020 14:11	0	0	0
318	1/23/2020 14:12	0	0	0
319	1/23/2020 14:13	0	0.1	0
320	1/23/2020 14:14	0	0.1	0
321	1/23/2020 14:15	0.1	0.1	0.1
322	1/23/2020 14:16	0	0.1	0
323	1/23/2020 14:17	0	0	0
324	1/23/2020 14:18	0	0.1	0
325	1/23/2020 14:19	0	0	0
326	1/23/2020 14:20	0	0	0
327	1/23/2020 14:21	0	0	0
328	1/23/2020 14:22	0	0	0
329	1/23/2020 14:23	0	0.1	0.1
330	1/23/2020 14:24	0	0.1	0
331	1/23/2020 14:25	0	0	0
332	1/23/2020 14:26	0.3	0.8	0.6
333	1/23/2020 14:27	1	1.8	1.1
334	1/23/2020 14:28	0.8	1.3	0.5

335	1/23/2020 14:29	0.3	0.5	0.2
336	1/23/2020 14:30	0.1	0.2	0.1
337	1/23/2020 14:31	0.1	0.1	0.1
338	1/23/2020 14:32	0.1	0.1	0.1
339	1/23/2020 14:33	0.1	0.1	0.1
340	1/23/2020 14:34	0.1	0.1	0.1
341	1/23/2020 14:35	0.1	0.1	0.1
342	1/23/2020 14:36	0.1	0.1	0.1
343	1/23/2020 14:37	0.1	0.1	0
344	1/23/2020 14:38	0.1	0.1	0.1
345	1/23/2020 14:39	0.1	0.1	0.1
346	1/23/2020 14:40	0.1	0.1	0.1
347	1/23/2020 14:41	0.1	0.1	0.1
348	1/23/2020 14:42	0.1	0.1	0.1
349	1/23/2020 14:43	0.1	0.1	0.1
350	1/23/2020 14:44	0.1	0.1	0.1
351	1/23/2020 14:45	0.1	0.1	0.1
352	1/23/2020 14:46	0.1	0.1	0.1
353	1/23/2020 14:47	0.1	0.1	0.1
354	1/23/2020 14:48	0.1	0.1	0.1
355	1/23/2020 14:49	0.1	0.1	0.1
356	1/23/2020 14:50	0.1	0.1	0.1
357	1/23/2020 14:51	0.1	0.1	0.1
358	1/23/2020 14:52	0.1	0.1	0.1
359	1/23/2020 14:53	0.1	0.1	0.1
360	1/23/2020 14:54	0.1	0.1	0.1
361	1/23/2020 14:55	0.1	0.1	0.1
362	1/23/2020 14:56	0.1	0.1	0.1
363	1/23/2020 14:57	0.1	0.1	0.1
364	1/23/2020 14:58	0.1	0.1	0.1
365	1/23/2020 14:59	0.1	0.1	0.1
366	1/23/2020 15:00	0.1	0.1	0.1
367	1/23/2020 15:01	0.1	0.1	0.1
368	1/23/2020 15:02	0.2	0.5	0.4
369	1/23/2020 15:03	0.3	0.5	0.3
370	1/23/2020 15:04	0.2	0.5	0.2
371	1/23/2020 15:05	0.2	0.2	0.1
372	1/23/2020 15:06	0.1	0.2	0.1
373	1/23/2020 15:07	0.1	0.2	0.1
374	1/23/2020 15:08	0.1	0.1	0.1
375	1/23/2020 15:09	0.1	0.1	0.1
376	1/23/2020 15:10	0.1	0.1	0.1
377	1/23/2020 15:11	0.1	0.1	0.1
378	1/23/2020 15:12	0.1	0.1	0.1
379	1/23/2020 15:13	0.1	0.1	0.1
380	1/23/2020 15:14	0.1	0.1	0.1
381	1/23/2020 15:15	0.1	0.1	0.1

382	1/23/2020 15:16	0.1	0.1	0.1
383	1/23/2020 15:17	0.1	0.1	0.1
384	1/23/2020 15:18	0.1	0.1	0.1
385	1/23/2020 15:19	0.1	0.1	0.1
386	1/23/2020 15:20	0.1	0.1	0.1
387	1/23/2020 15:21	0.1	0.1	0.1
388	1/23/2020 15:22	0.1	0.1	0.1
389	1/23/2020 15:23	0.1	0.1	0.1
390	1/23/2020 15:24	0.1	0.1	0.1
391	1/23/2020 15:25	0.1	0.1	0
392	1/23/2020 15:26	0.1	0.1	0.1
393	1/23/2020 15:27	0.1	0.1	0
394	1/23/2020 15:28	0.1	0.1	0.1
395	1/23/2020 15:29	0.1	0.1	0.1
396	1/23/2020 15:30	0.1	0.1	0.1
397	1/23/2020 15:31	0.1	0.1	0.1
398	1/23/2020 15:32	0.1	0.1	0.1
399	1/23/2020 15:33	0.1	0.1	0.1
400	1/23/2020 15:34	0.1	0.1	0.1
401	1/23/2020 15:35	0.1	0.1	0.1
402	1/23/2020 15:36	0.1	0.1	0.1
403	1/23/2020 15:37	0.1	0.1	0.1
404	1/23/2020 15:38	0.1	0.1	0.1
405	1/23/2020 15:39	0.1	0.1	0.1
406	1/23/2020 15:40	0.1	0.1	0.1
407	1/23/2020 15:41	0.1	0.1	0.1
408	1/23/2020 15:42	0.1	0.1	0.1
409	1/23/2020 15:43	0.1	0.3	0.1
410	1/23/2020 15:44	0.1	0.1	0.1
411	1/23/2020 15:45	0.1	0.1	0.1
412	1/23/2020 15:46	0.1	0.1	0.1
413	1/23/2020 15:47	0.1	0.1	0.1
414	1/23/2020 15:48	0.1	0.1	0.1
415	1/23/2020 15:49	0.1	0.1	0.1
416	1/23/2020 15:50	0.1	0.1	0.1
417	1/23/2020 15:51	0.1	0.1	0.1
418	1/23/2020 15:52	0.1	0.1	0.1
419	1/23/2020 15:53	0.1	0.1	0.1
420	1/23/2020 15:54	0.1	0.1	0.1
421	1/23/2020 15:55	0.1	0.1	0.1
422	1/23/2020 15:56	0.1	0.1	0.1
423	1/23/2020 15:57	0.1	0.1	0.1
424	1/23/2020 15:58	0.1	0.1	0.1
425	1/23/2020 15:59	0.1	0.1	0.1
426	1/23/2020 16:00	0.1	0.1	0.1
427	1/23/2020 16:01	0.1	0.1	0.1
428	1/23/2020 16:02	0.1	0.1	0.1

429	1/23/2020 16:03	0.1	0.1	0.1
430	1/23/2020 16:04	0.1	0.2	0.1
431	1/23/2020 16:05	0.1	0.1	0.1
432	1/23/2020 16:06	0.1	0.1	0.1
433	1/23/2020 16:07	0.1	0.2	0.1
434	1/23/2020 16:08	0.1	0.2	0.1
435	1/23/2020 16:09	0.1	0.1	0.1
436	1/23/2020 16:10	0.1	0.1	0.1
437	1/23/2020 16:11	0.1	0.1	0.1
438	1/23/2020 16:12	0.1	0.1	0.1
439	1/23/2020 16:13	0.2	0.5	0.3
440	1/23/2020 16:14	0.3	1	0.2
441	1/23/2020 16:15	0.1	0.2	0.1
442	1/23/2020 16:16	0.1	0.2	0.1
443	1/23/2020 16:17	0.1	0.2	0.1
444	1/23/2020 16:18	0.1	0.1	0.1
445	1/23/2020 16:19	0.1	0.1	0.1
446	1/23/2020 16:20	0.1	0.1	0.1
447	1/23/2020 16:21	0.1	0.1	0.1
448	1/23/2020 16:22	0.1	0.1	0.1
449	1/23/2020 16:23	0.1	0.1	0.1
450	1/23/2020 16:24	0.1	0.1	0.1
451	1/23/2020 16:25	0.1	0.2	0.1
452	1/23/2020 16:26	0.1	0.2	0.1
453	1/23/2020 16:27	0.1	0.2	0.1
454	1/23/2020 16:28	0.1	0.1	0.1
455	1/23/2020 16:29	0.1	0.2	0.2
456	1/23/2020 16:30	0.2	0.2	0.2
457	1/23/2020 16:31	0.2	0.2	0.2
458	1/23/2020 16:32	0.2	0.2	0.2
459	1/23/2020 16:33	0.2	0.2	0.2
460	1/23/2020 16:34	0.2	0.2	0.2
461	1/23/2020 16:35	0.2	0.2	0.2
462	1/23/2020 16:36	0.2	0.2	0.2
463	1/23/2020 16:37	0.2	0.2	0.1
464	1/23/2020 16:38	0.2	0.2	0.2
465	1/23/2020 16:39	0.2	0.2	0.2
466	1/23/2020 16:40	0.2	0.2	0.2
467	1/23/2020 16:41	0.2	0.2	0.2
468	1/23/2020 16:42	0.2	0.2	0.2
469	1/23/2020 16:43	0.2	0.2	0.2
470	1/23/2020 16:44	0.2	0.2	0.2
471	1/23/2020 16:45	0.2	0.2	0.2
472	1/23/2020 16:46	0.2	0.2	0.2
473	1/23/2020 16:47	0.2	0.2	0.2
474	1/23/2020 16:48	0.2	0.2	0.2
475	1/23/2020 16:49	0.2	0.2	0.2

	476	1/23/2020 16:50	0.2	0.2	0.2
	477	1/23/2020 16:51	0.2	0.2	0.2
	478	1/23/2020 16:52	0.2	0.2	0.2
	479	1/23/2020 16:53	0.2	0.2	0.2
	480	1/23/2020 16:54	0.2	0.2	0.2
	481	1/23/2020 16:55	0.2	0.2	0.2
	482	1/23/2020 16:56	0.2	0.2	0.2
	483	1/23/2020 16:57	0.2	0.2	0.2
	484	1/23/2020 16:58	0.2	0.2	0.2
	485	1/23/2020 16:59	0.2	0.2	0.2
	486	1/23/2020 17:00	0.2	0.2	0.2
	487	1/23/2020 17:01	0.2	0.2	0.2
	488	1/23/2020 17:02	1.4	6.1	2
	489	1/23/2020 17:03	1.4	6.7	0.2
	490	1/23/2020 17:04	0.2	0.2	0.2
	491	1/23/2020 17:05	0.2	0.2	0.2
	492	1/23/2020 17:06	0.2	0.2	0.2
	493	1/23/2020 17:07	0.2	0.3	0.2
	494	1/23/2020 17:08	0.2	0.2	0.2
Peak			2.6	9.5	2.5
Min			0	0	0
Average			0.1	0.2	0.1

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	1/23/2020 8:55	0	---
2	1/23/2020 8:56	0	---
3	1/23/2020 8:57	0	---
4	1/23/2020 8:58	0	---
5	1/23/2020 8:59	0	---
6	1/23/2020 9:00	0	---
7	1/23/2020 9:01	0	---
8	1/23/2020 9:02	0	---
9	1/23/2020 9:03	0	---
10	1/23/2020 9:04	0	---
11	1/23/2020 9:05	0	---
12	1/23/2020 9:06	0	---
13	1/23/2020 9:07	0	---
14	1/23/2020 9:08	0	---
15	1/23/2020 9:09	0	0
16	1/23/2020 9:10	0	0
17	1/23/2020 9:11	0	0
18	1/23/2020 9:12	0	0
19	1/23/2020 9:13	0	0
20	1/23/2020 9:14	0	0

21	1/23/2020 9:15	0	0
22	1/23/2020 9:16	0	0
23	1/23/2020 9:17	0	0
24	1/23/2020 9:18	0	0
25	1/23/2020 9:19	0	0
26	1/23/2020 9:20	0	0
27	1/23/2020 9:21	0	0
28	1/23/2020 9:22	0	0
29	1/23/2020 9:23	0	0
30	1/23/2020 9:24	0	0
31	1/23/2020 9:25	0	0
32	1/23/2020 9:26	0	0
33	1/23/2020 9:27	0	0
34	1/23/2020 9:28	0	0
35	1/23/2020 9:29	0	0
36	1/23/2020 9:30	0	0
37	1/23/2020 9:31	0	0
38	1/23/2020 9:32	0	0
39	1/23/2020 9:33	0	0
40	1/23/2020 9:34	0	0
41	1/23/2020 9:35	0	0
42	1/23/2020 9:36	0	0
43	1/23/2020 9:37	0	0
44	1/23/2020 9:38	0	0
45	1/23/2020 9:39	0	0
46	1/23/2020 9:40	0	0
47	1/23/2020 9:41	0	0
48	1/23/2020 9:42	0	0
49	1/23/2020 9:43	0	0
50	1/23/2020 9:44	0	0
51	1/23/2020 9:45	0	0
52	1/23/2020 9:46	0	0
53	1/23/2020 9:47	0	0
54	1/23/2020 9:48	0	0
55	1/23/2020 9:49	0	0
56	1/23/2020 9:50	0	0
57	1/23/2020 9:51	0	0
58	1/23/2020 9:52	0	0
59	1/23/2020 9:53	0	0
60	1/23/2020 9:54	0	0
61	1/23/2020 9:55	0	0
62	1/23/2020 9:56	0	0
63	1/23/2020 9:57	0	0
64	1/23/2020 9:58	0	0
65	1/23/2020 9:59	0	0
66	1/23/2020 10:00	0	0
67	1/23/2020 10:01	0	0

68	1/23/2020 10:02	0	0
69	1/23/2020 10:03	0	0
70	1/23/2020 10:04	0	0
71	1/23/2020 10:05	0	0
72	1/23/2020 10:06	0	0
73	1/23/2020 10:07	0	0
74	1/23/2020 10:08	0	0
75	1/23/2020 10:09	0	0
76	1/23/2020 10:10	0	0
77	1/23/2020 10:11	0	0
78	1/23/2020 10:12	0	0
79	1/23/2020 10:13	0	0
80	1/23/2020 10:14	0	0
81	1/23/2020 10:15	0	0
82	1/23/2020 10:16	0	0
83	1/23/2020 10:17	0	0.1
84	1/23/2020 10:18	0	0.1
85	1/23/2020 10:19	0	0.1
86	1/23/2020 10:20	0	0.1
87	1/23/2020 10:21	0	0.1
88	1/23/2020 10:22	0	0.1
89	1/23/2020 10:23	0	0.1
90	1/23/2020 10:24	0	0.1
91	1/23/2020 10:25	0	0.1
92	1/23/2020 10:26	0	0.1
93	1/23/2020 10:27	0	0.1
94	1/23/2020 10:28	0	0.1
95	1/23/2020 10:29	0	0.1
96	1/23/2020 10:30	0	0.1
97	1/23/2020 10:31	0	0.1
98	1/23/2020 10:32	0	0
99	1/23/2020 10:33	0	0
100	1/23/2020 10:34	0	0
101	1/23/2020 10:35	0	0
102	1/23/2020 10:36	0	0
103	1/23/2020 10:37	0	0
104	1/23/2020 10:38	0	0
105	1/23/2020 10:39	0	0
106	1/23/2020 10:40	0	0
107	1/23/2020 10:41	0	0
108	1/23/2020 10:42	0	0
109	1/23/2020 10:43	0	0
110	1/23/2020 10:44	0	0
111	1/23/2020 10:45	0	0
112	1/23/2020 10:46	0	0
113	1/23/2020 10:47	0	0
114	1/23/2020 10:48	0	0

115	1/23/2020 10:49	0	0
116	1/23/2020 10:50	0	0
117	1/23/2020 10:51	0	0
118	1/23/2020 10:52	0	0
119	1/23/2020 10:53	0	0
120	1/23/2020 10:54	0	0
121	1/23/2020 10:55	0	0
122	1/23/2020 10:56	0	0.1
123	1/23/2020 10:57	0	0.1
124	1/23/2020 10:58	0	0.1
125	1/23/2020 10:59	0	0.1
126	1/23/2020 11:00	0	0.1
127	1/23/2020 11:01	0	0.1
128	1/23/2020 11:02	0	0.1
129	1/23/2020 11:03	0	0.1
130	1/23/2020 11:04	0	0.2
131	1/23/2020 11:05	0	0.2
132	1/23/2020 11:06	0	0.1
133	1/23/2020 11:07	0	0.1
134	1/23/2020 11:08	0	0.1
135	1/23/2020 11:09	0	0.1
136	1/23/2020 11:10	0	0.1
137	1/23/2020 11:11	0	0.1
138	1/23/2020 11:12	0	0.1
139	1/23/2020 11:13	0	0.1
140	1/23/2020 11:14	0	0.1
141	1/23/2020 11:15	0	0.1
142	1/23/2020 11:16	0	0
143	1/23/2020 11:17	0	0
144	1/23/2020 11:18	0	0
145	1/23/2020 11:19	0	0
146	1/23/2020 11:20	0	0
147	1/23/2020 11:21	0	0
148	1/23/2020 11:22	0	0.1
149	1/23/2020 11:23	0	0.1
150	1/23/2020 11:24	0	0.1
151	1/23/2020 11:25	0	0.1
152	1/23/2020 11:26	0	0.1
153	1/23/2020 11:27	0	0.1
154	1/23/2020 11:28	0	0.1
155	1/23/2020 11:29	0	0.1
156	1/23/2020 11:30	0	0.1
157	1/23/2020 11:31	0	0.1
158	1/23/2020 11:32	0	0.1
159	1/23/2020 11:33	0	0.1
160	1/23/2020 11:34	0	0.1
161	1/23/2020 11:35	0	0.1

162	1/23/2020 11:36	0	0.1
163	1/23/2020 11:37	0	0.1
164	1/23/2020 11:38	0	0.1
165	1/23/2020 11:39	0	0.1
166	1/23/2020 11:40	0	0.1
167	1/23/2020 11:41	0	0.1
168	1/23/2020 11:42	0	0.1
169	1/23/2020 11:43	0	0.1
170	1/23/2020 11:44	0	0.1
171	1/23/2020 11:45	0	0.1
172	1/23/2020 11:46	0	0.1
173	1/23/2020 11:47	0	0.1
174	1/23/2020 11:48	0	0.1
175	1/23/2020 11:49	0	0.1
176	1/23/2020 11:50	0	0.1
177	1/23/2020 11:51	0	0.1
178	1/23/2020 11:52	0	0.1
179	1/23/2020 11:53	0	0.1
180	1/23/2020 11:54	0	0.1
181	1/23/2020 11:55	0	0.1
182	1/23/2020 11:56	0	0.1
183	1/23/2020 11:57	0	0.1
184	1/23/2020 11:58	0	0.1
185	1/23/2020 11:59	0	0.3
186	1/23/2020 12:00	0	0.3
187	1/23/2020 12:01	0	0.3
188	1/23/2020 12:02	0	0.3
189	1/23/2020 12:03	0	0.3
190	1/23/2020 12:04	0	0.3
191	1/23/2020 12:05	0	0.3
192	1/23/2020 12:06	0	0.3
193	1/23/2020 12:07	0	0.3
194	1/23/2020 12:08	0	0.3
195	1/23/2020 12:09	0	0.2
196	1/23/2020 12:10	0	0.2
197	1/23/2020 12:11	0	0.2
198	1/23/2020 12:12	0	0.2
199	1/23/2020 12:13	0	0.2
200	1/23/2020 12:14	0	0.2
201	1/23/2020 12:15	0	0
202	1/23/2020 12:16	0	0
203	1/23/2020 12:17	0	0
204	1/23/2020 12:18	0	0
205	1/23/2020 12:19	0	0
206	1/23/2020 12:20	0	0
207	1/23/2020 12:21	0	0
208	1/23/2020 12:22	0	0

209	1/23/2020 12:23	0	0
210	1/23/2020 12:24	0	0
211	1/23/2020 12:25	0	0
212	1/23/2020 12:26	0	0
213	1/23/2020 12:27	0	0
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218	1/23/2020 12:32	0	0
219	1/23/2020 12:33	0	0
220	1/23/2020 12:34	0	0
221	1/23/2020 12:35	0	0.1
222	1/23/2020 12:36	0	0.1
223	1/23/2020 12:37	0	0.1
224	1/23/2020 12:38	0	0.1
225	1/23/2020 12:39	0	0.1
226	1/23/2020 12:40	0	0.1
227	1/23/2020 12:41	0	0.1
228	1/23/2020 12:42	0	0.1
229	1/23/2020 12:43	0	0.1
230	1/23/2020 12:44	0	0.1
231	1/23/2020 12:45	0	0.1
232	1/23/2020 12:46	0	0.1
233	1/23/2020 12:47	0	0.2
234	1/23/2020 12:48	0	0.2
235	1/23/2020 12:49	0	0.2
236	1/23/2020 12:50	0	0.2
237	1/23/2020 12:51	0	0.2
238	1/23/2020 12:52	0	0.2
239	1/23/2020 12:53	0	0.2
240	1/23/2020 12:54	0	0.2
241	1/23/2020 12:55	0	0.2
242	1/23/2020 12:56	0	0.3
243	1/23/2020 12:57	0	0.3
244	1/23/2020 12:58	0	0.3
245	1/23/2020 12:59	0	0.3
246	1/23/2020 13:00	0	0.3
247	1/23/2020 13:01	0	0.3
248	1/23/2020 13:02	0	0.3
249	1/23/2020 13:03	0	0.2
250	1/23/2020 13:04	0	0.2
251	1/23/2020 13:05	0	0.2
252	1/23/2020 13:06	0	0.2
253	1/23/2020 13:07	0	0.2
254	1/23/2020 13:08	0	0.2
255	1/23/2020 13:09	0	0.2

256	1/23/2020 13:10	0	0.2
257	1/23/2020 13:11	0	0.2
258	1/23/2020 13:12	0	0.2
259	1/23/2020 13:13	0	0.2
260	1/23/2020 13:14	0	0.2
261	1/23/2020 13:15	0	0.2
262	1/23/2020 13:16	0	0.2
263	1/23/2020 13:17	0	0.2
264	1/23/2020 13:18	0	0.2
265	1/23/2020 13:19	0	0.2
266	1/23/2020 13:20	0	0.2
267	1/23/2020 13:21	0	0.2
268	1/23/2020 13:22	0	0.2
269	1/23/2020 13:23	0	0.2
270	1/23/2020 13:24	0	0.2
271	1/23/2020 13:25	0	0.2
272	1/23/2020 13:26	0	0.2
273	1/23/2020 13:27	0	0.2
274	1/23/2020 13:28	0	0.2
275	1/23/2020 13:29	0.1	0.2
276	1/23/2020 13:30	0.1	0.2
277	1/23/2020 13:31	0.1	0.2
278	1/23/2020 13:32	0.1	0.2
279	1/23/2020 13:33	0.1	0.2
280	1/23/2020 13:34	0.1	0.2
281	1/23/2020 13:35	0.1	0.2
282	1/23/2020 13:36	0.1	0.2
283	1/23/2020 13:37	0.1	0.2
284	1/23/2020 13:38	0.1	0.2
285	1/23/2020 13:39	0.1	0.2
286	1/23/2020 13:40	0.1	0.2
287	1/23/2020 13:41	0.1	0.2
288	1/23/2020 13:42	0.1	0.1
289	1/23/2020 13:43	0.1	0.1
290	1/23/2020 13:44	0.1	0.1
291	1/23/2020 13:45	0.1	0.1
292	1/23/2020 13:46	0.1	0.1
293	1/23/2020 13:47	0.1	0.1
294	1/23/2020 13:48	0.1	0.1
295	1/23/2020 13:49	0.1	0.1
296	1/23/2020 13:50	0.1	0.1
297	1/23/2020 13:51	0.1	0.1
298	1/23/2020 13:52	0.1	0.1
299	1/23/2020 13:53	0.1	0.1
300	1/23/2020 13:54	0.1	0.1
301	1/23/2020 13:55	0.1	0.1
302	1/23/2020 13:56	0.1	0.1

303	1/23/2020 13:57	0.1	0.1
304	1/23/2020 13:58	0.1	0.1
305	1/23/2020 13:59	0.1	0.1
306	1/23/2020 14:00	0.1	0.1
307	1/23/2020 14:01	0.1	0.1
308	1/23/2020 14:02	0.1	0.1
309	1/23/2020 14:03	0.1	0.1
310	1/23/2020 14:04	0.1	0
311	1/23/2020 14:05	0.1	0
312	1/23/2020 14:06	0.1	0
313	1/23/2020 14:07	0.1	0
314	1/23/2020 14:08	0.1	0
315	1/23/2020 14:09	0.1	0
316	1/23/2020 14:10	0.1	0
317	1/23/2020 14:11	0.1	0
318	1/23/2020 14:12	0.1	0
319	1/23/2020 14:13	0.1	0
320	1/23/2020 14:14	0.1	0
321	1/23/2020 14:15	0.1	0
322	1/23/2020 14:16	0.1	0
323	1/23/2020 14:17	0.1	0
324	1/23/2020 14:18	0.1	0
325	1/23/2020 14:19	0.1	0
326	1/23/2020 14:20	0.1	0
327	1/23/2020 14:21	0.1	0
328	1/23/2020 14:22	0.1	0
329	1/23/2020 14:23	0.1	0
330	1/23/2020 14:24	0.1	0
331	1/23/2020 14:25	0.1	0
332	1/23/2020 14:26	0.1	0.1
333	1/23/2020 14:27	0.1	0.1
334	1/23/2020 14:28	0.1	0.2
335	1/23/2020 14:29	0.1	0.2
336	1/23/2020 14:30	0.1	0.2
337	1/23/2020 14:31	0.1	0.2
338	1/23/2020 14:32	0.1	0.2
339	1/23/2020 14:33	0.1	0.2
340	1/23/2020 14:34	0.1	0.2
341	1/23/2020 14:35	0.1	0.2
342	1/23/2020 14:36	0.1	0.2
343	1/23/2020 14:37	0.1	0.2
344	1/23/2020 14:38	0.1	0.2
345	1/23/2020 14:39	0.1	0.2
346	1/23/2020 14:40	0.1	0.2
347	1/23/2020 14:41	0.1	0.2
348	1/23/2020 14:42	0.1	0.2
349	1/23/2020 14:43	0.1	0.1

350	1/23/2020 14:44	0.1	0.1
351	1/23/2020 14:45	0.1	0.1
352	1/23/2020 14:46	0.1	0.1
353	1/23/2020 14:47	0.1	0.1
354	1/23/2020 14:48	0.1	0.1
355	1/23/2020 14:49	0.1	0.1
356	1/23/2020 14:50	0.1	0.1
357	1/23/2020 14:51	0.1	0.1
358	1/23/2020 14:52	0.1	0.1
359	1/23/2020 14:53	0.1	0.1
360	1/23/2020 14:54	0.1	0.1
361	1/23/2020 14:55	0.1	0.1
362	1/23/2020 14:56	0.1	0.1
363	1/23/2020 14:57	0.1	0.1
364	1/23/2020 14:58	0.1	0.1
365	1/23/2020 14:59	0.1	0.1
366	1/23/2020 15:00	0.1	0.1
367	1/23/2020 15:01	0.1	0.1
368	1/23/2020 15:02	0.1	0.1
369	1/23/2020 15:03	0.1	0.1
370	1/23/2020 15:04	0.1	0.1
371	1/23/2020 15:05	0.1	0.1
372	1/23/2020 15:06	0.1	0.1
373	1/23/2020 15:07	0.1	0.1
374	1/23/2020 15:08	0.1	0.1
375	1/23/2020 15:09	0.1	0.1
376	1/23/2020 15:10	0.1	0.1
377	1/23/2020 15:11	0.1	0.1
378	1/23/2020 15:12	0.1	0.1
379	1/23/2020 15:13	0.1	0.1
380	1/23/2020 15:14	0.1	0.1
381	1/23/2020 15:15	0.1	0.1
382	1/23/2020 15:16	0.1	0.1
383	1/23/2020 15:17	0.1	0.1
384	1/23/2020 15:18	0.1	0.1
385	1/23/2020 15:19	0.1	0.1
386	1/23/2020 15:20	0.1	0.1
387	1/23/2020 15:21	0.1	0.1
388	1/23/2020 15:22	0.1	0.1
389	1/23/2020 15:23	0.1	0.1
390	1/23/2020 15:24	0.1	0.1
391	1/23/2020 15:25	0.1	0.1
392	1/23/2020 15:26	0.1	0.1
393	1/23/2020 15:27	0.1	0.1
394	1/23/2020 15:28	0.1	0.1
395	1/23/2020 15:29	0.1	0.1
396	1/23/2020 15:30	0.1	0.1

397	1/23/2020 15:31	0.1	0.1
398	1/23/2020 15:32	0.1	0.1
399	1/23/2020 15:33	0.1	0.1
400	1/23/2020 15:34	0.1	0.1
401	1/23/2020 15:35	0.1	0.1
402	1/23/2020 15:36	0.1	0.1
403	1/23/2020 15:37	0.1	0.1
404	1/23/2020 15:38	0.1	0.1
405	1/23/2020 15:39	0.1	0.1
406	1/23/2020 15:40	0.1	0.1
407	1/23/2020 15:41	0.1	0.1
408	1/23/2020 15:42	0.1	0.1
409	1/23/2020 15:43	0.1	0.1
410	1/23/2020 15:44	0.1	0.1
411	1/23/2020 15:45	0.1	0.1
412	1/23/2020 15:46	0.1	0.1
413	1/23/2020 15:47	0.1	0.1
414	1/23/2020 15:48	0.1	0.1
415	1/23/2020 15:49	0.1	0.1
416	1/23/2020 15:50	0.1	0.1
417	1/23/2020 15:51	0.1	0.1
418	1/23/2020 15:52	0.1	0.1
419	1/23/2020 15:53	0.1	0.1
420	1/23/2020 15:54	0.1	0.1
421	1/23/2020 15:55	0.1	0.1
422	1/23/2020 15:56	0.1	0.1
423	1/23/2020 15:57	0.1	0.1
424	1/23/2020 15:58	0.1	0.1
425	1/23/2020 15:59	0.1	0.1
426	1/23/2020 16:00	0.1	0.1
427	1/23/2020 16:01	0.1	0.1
428	1/23/2020 16:02	0.1	0.1
429	1/23/2020 16:03	0.1	0.1
430	1/23/2020 16:04	0.1	0.1
431	1/23/2020 16:05	0.1	0.1
432	1/23/2020 16:06	0.1	0.1
433	1/23/2020 16:07	0.1	0.1
434	1/23/2020 16:08	0.1	0.1
435	1/23/2020 16:09	0.1	0.1
436	1/23/2020 16:10	0.1	0.1
437	1/23/2020 16:11	0.1	0.1
438	1/23/2020 16:12	0.1	0.1
439	1/23/2020 16:13	0.1	0.1
440	1/23/2020 16:14	0.1	0.1
441	1/23/2020 16:15	0.1	0.1
442	1/23/2020 16:16	0.1	0.1
443	1/23/2020 16:17	0.1	0.1

444	1/23/2020 16:18	0.1	0.1
445	1/23/2020 16:19	0.1	0.1
446	1/23/2020 16:20	0.1	0.1
447	1/23/2020 16:21	0.1	0.1
448	1/23/2020 16:22	0.1	0.1
449	1/23/2020 16:23	0.1	0.1
450	1/23/2020 16:24	0.1	0.1
451	1/23/2020 16:25	0.1	0.1
452	1/23/2020 16:26	0.1	0.1
453	1/23/2020 16:27	0.1	0.1
454	1/23/2020 16:28	0.1	0.1
455	1/23/2020 16:29	0.1	0.1
456	1/23/2020 16:30	0.1	0.1
457	1/23/2020 16:31	0.1	0.1
458	1/23/2020 16:32	0.1	0.1
459	1/23/2020 16:33	0.1	0.1
460	1/23/2020 16:34	0.1	0.1
461	1/23/2020 16:35	0.1	0.2
462	1/23/2020 16:36	0.1	0.2
463	1/23/2020 16:37	0.1	0.2
464	1/23/2020 16:38	0.1	0.2
465	1/23/2020 16:39	0.1	0.2
466	1/23/2020 16:40	0.1	0.2
467	1/23/2020 16:41	0.1	0.2
468	1/23/2020 16:42	0.1	0.2
469	1/23/2020 16:43	0.1	0.2
470	1/23/2020 16:44	0.1	0.2
471	1/23/2020 16:45	0.1	0.2
472	1/23/2020 16:46	0.1	0.2
473	1/23/2020 16:47	0.1	0.2
474	1/23/2020 16:48	0.1	0.2
475	1/23/2020 16:49	0.1	0.2
476	1/23/2020 16:50	0.1	0.2
477	1/23/2020 16:51	0.1	0.2
478	1/23/2020 16:52	0.1	0.2
479	1/23/2020 16:53	0.1	0.2
480	1/23/2020 16:54	0.1	0.2
481	1/23/2020 16:55	0.1	0.2
482	1/23/2020 16:56	0.1	0.2
483	1/23/2020 16:57	0.1	0.2
484	1/23/2020 16:58	0.1	0.2
485	1/23/2020 16:59	0.1	0.2
486	1/23/2020 17:00	0.1	0.2
487	1/23/2020 17:01	0.1	0.2
488	1/23/2020 17:02	0.1	0.3
489	1/23/2020 17:03	0.1	0.3
490	1/23/2020 17:04	0.1	0.3

491	1/23/2020 17:05	0.1	0.3
492	1/23/2020 17:06	0.1	0.3
493	1/23/2020 17:07	0.1	0.3
494	1/23/2020 17:08	0.1	0.3

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20/01/24 08:21
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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-910712
Unit Firmware Ver	V2.20A
Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down
Site ID	12345678
User ID	12345678
Begin	1/24/2020 8:21
End	1/24/2020 15:42
Sample Period(s)	900
Number of Records	29
Sensor	PID(ppm)
Sensor SN	S023030021Q5
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	1/3/2020 12:41
Peak	0.5
Min	0
Average	0.2

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Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	1/24/2020 8:36	0.1	0.2	0.1
2	1/24/2020 8:51	0.2	2.1	0.3
3	1/24/2020 9:06	0.2	0.3	0.2
4	1/24/2020 9:21	0.2	0.3	0.2
5	1/24/2020 9:36	0.3	0.4	0.3

	6	1/24/2020 9:51	0.3	0.6	0.3
	7	1/24/2020 10:06	0.2	0.5	0.1
	8	1/24/2020 10:21	0	0.1	0.1
	9	1/24/2020 10:36	0	0.1	0.1
	10	1/24/2020 10:51	0	0.1	0
	11	1/24/2020 11:06	0.2	1.2	0.1
	12	1/24/2020 11:21	0.1	0.1	0
	13	1/24/2020 11:36	0	0.3	0.3
	14	1/24/2020 11:51	0.1	0.2	0.1
	15	1/24/2020 12:06	0.1	0.3	0.1
	16	1/24/2020 12:21	0.1	0.3	0.1
	17	1/24/2020 12:36	0.3	0.9	0.5
	18	1/24/2020 12:51	0.5	1	0.3
	19	1/24/2020 13:06	0.2	0.5	0.2
	20	1/24/2020 13:21	0.2	0.3	0.1
	21	1/24/2020 13:36	0.1	0.5	0.1
	22	1/24/2020 13:51	0.1	0.2	0.1
	23	1/24/2020 14:06	0.1	0.3	0.1
	24	1/24/2020 14:21	0.2	0.9	0.5
	25	1/24/2020 14:36	0.3	0.9	0.1
	26	1/24/2020 14:51	0.1	0.3	0.1
	27	1/24/2020 15:06	0.1	0.1	0.1
	28	1/24/2020 15:21	0.1	0.1	0
	29	1/24/2020 15:36	0.1	0.1	0.1
Peak			0.5	2.1	0.5
Min			0	0.1	0
Average			0.2	0.5	0.2

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TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	1/24/2020 8:36	0	0.1
2	1/24/2020 8:51	0	0.4
3	1/24/2020 9:06	0	0.5
4	1/24/2020 9:21	0	0.4
5	1/24/2020 9:36	0	0.5
6	1/24/2020 9:51	0	0.6
7	1/24/2020 10:06	0	0.4
8	1/24/2020 10:21	0.1	0.2
9	1/24/2020 10:36	0.1	0.2
10	1/24/2020 10:51	0.1	0.1
11	1/24/2020 11:06	0.1	0.1
12	1/24/2020 11:21	0.1	0.1
13	1/24/2020 11:36	0.1	0.3
14	1/24/2020 11:51	0.1	0.4
15	1/24/2020 12:06	0.1	0.2

16	1/24/2020 12:21	0.1	0.2
17	1/24/2020 12:36	0.1	0.6
18	1/24/2020 12:51	0.1	0.8
19	1/24/2020 13:06	0.1	0.5
20	1/24/2020 13:21	0.1	0.3
21	1/24/2020 13:36	0.1	0.2
22	1/24/2020 13:51	0.1	0.2
23	1/24/2020 14:06	0.1	0.2
24	1/24/2020 14:21	0.1	0.6
25	1/24/2020 14:36	0.1	0.6
26	1/24/2020 14:51	0.1	0.2
27	1/24/2020 15:06	0.1	0.2
28	1/24/2020 15:21	0.1	0.1
29	1/24/2020 15:36	0.1	0.1

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20/01/27 08:24

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Summary

February 2020 Work Zone PID Data

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-910712
Unit Firmware Ver	V2.20A

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	12345678
User ID	12345678

Begin	1/27/2020 8:24
End	1/27/2020 15:35
Sample Period(s)	900
Number of Records	28

Sensor	PID(ppm)
Sensor SN	S023030021Q5
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	1/3/2020 12:41
Peak	0.3
Min	0
Average	0.1

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Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	1/27/2020 8:39	0.1	0.3	0.2
2	1/27/2020 8:54	0.2	0.3	0.2
3	1/27/2020 9:09	0.2	0.2	0.1
4	1/27/2020 9:24	0.1	0.2	0.2
5	1/27/2020 9:39	0.2	0.3	0.2

6	1/27/2020 9:54	0.1	0.2	0.1
7	1/27/2020 10:09	0.1	0.2	0.1
8	1/27/2020 10:24	0.1	0.1	0.1
9	1/27/2020 10:39	0.1	0.2	0.2
10	1/27/2020 10:54	0.1	0.2	0.1
11	1/27/2020 11:09	0.1	0.1	0.1
12	1/27/2020 11:24	0.1	0.3	0.3
13	1/27/2020 11:39	0.3	3.7	0.1
14	1/27/2020 11:54	0.3	0.3	0.3
15	1/27/2020 12:09	0.3	0.4	0.3
16	1/27/2020 12:24	1	29.8	0
17	1/27/2020 12:39	0.1	0.3	0.2
18	1/27/2020 12:54	0.3	0.4	0.3
19	1/27/2020 13:09	0.3	2.4	0.2
20	1/27/2020 13:24	0.2	1.6	0.2
21	1/27/2020 13:39	0.2	1	0.1
22	1/27/2020 13:54	0	0.1	0
23	1/27/2020 14:09	0.1	0.1	0.1
24	1/27/2020 14:24	0.1	0.2	0
25	1/27/2020 14:39	0	0.1	0
26	1/27/2020 14:54	0	0.1	0
27	1/27/2020 15:09	0	0.1	0
28	1/27/2020 15:24	0	0	0
Peak		1	29.8	0.3
Min		0	0	0
Average		0.2	1.5	0.1

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TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	1/27/2020 8:39	0	0.2
2	1/27/2020 8:54	0	0.4
3	1/27/2020 9:09	0	0.3
4	1/27/2020 9:24	0	0.3
5	1/27/2020 9:39	0	0.4
6	1/27/2020 9:54	0	0.3
7	1/27/2020 10:09	0	0.2
8	1/27/2020 10:24	0	0.2
9	1/27/2020 10:39	0	0.3
10	1/27/2020 10:54	0	0.3
11	1/27/2020 11:09	0.1	0.2
12	1/27/2020 11:24	0.1	0.4
13	1/27/2020 11:39	0.1	0.4
14	1/27/2020 11:54	0.1	0.4
15	1/27/2020 12:09	0.1	0.6
16	1/27/2020 12:24	0.1	0.3

17	1/27/2020 12:39	0.1	0.2
18	1/27/2020 12:54	0.1	0.5
19	1/27/2020 13:09	0.1	0.5
20	1/27/2020 13:24	0.1	0.4
21	1/27/2020 13:39	0.1	0.3
22	1/27/2020 13:54	0.1	0.1
23	1/27/2020 14:09	0.1	0.1
24	1/27/2020 14:24	0.1	0.1
25	1/27/2020 14:39	0.1	0
26	1/27/2020 14:54	0.1	0
27	1/27/2020 15:09	0.1	0
28	1/27/2020 15:24	0.1	0

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20/01/28 08:50
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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-910712
Unit Firmware Ver	V2.20A
Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down
Site ID	12345678
User ID	12345678
Begin	1/28/2020 8:50
End	1/28/2020 15:46
Sample Period(s)	900
Number of Records	27
Sensor	PID(ppm)
Sensor SN	S023030021Q5
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	1/3/2020 12:41
Peak	0.9
Min	0
Average	0.2

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Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	1/28/2020 9:05	0.1	0.2	0
2	1/28/2020 9:20	0.1	0.1	0.1
3	1/28/2020 9:35	0.1	0.1	0
4	1/28/2020 9:50	0.1	0.1	0.1
5	1/28/2020 10:05	0.1	0.1	0.1

	6	1/28/2020 10:20	0.1	0.2	0.2
	7	1/28/2020 10:35	0.2	0.2	0.2
	8	1/28/2020 10:50	0.1	0.2	0.1
	9	1/28/2020 11:05	0.1	0.2	0.2
	10	1/28/2020 11:20	0.2	1	0.2
	11	1/28/2020 11:35	0.3	1.4	0.9
	12	1/28/2020 11:50	0.4	1.1	0.2
	13	1/28/2020 12:05	0.2	0.2	0.2
	14	1/28/2020 12:20	0.1	0.2	0.1
	15	1/28/2020 12:35	0.2	2.6	0.1
	16	1/28/2020 12:50	0.1	0.2	0
	17	1/28/2020 13:05	0	0.1	0.1
	18	1/28/2020 13:20	0.6	31.5	0.1
	19	1/28/2020 13:35	0.2	2.3	0
	20	1/28/2020 13:50	0.2	0.3	0.2
	21	1/28/2020 14:05	0.2	0.3	0.2
	22	1/28/2020 14:20	0.3	0.3	0.3
	23	1/28/2020 14:35	0.2	0.4	0.3
	24	1/28/2020 14:50	0.3	0.4	0.1
	25	1/28/2020 15:05	0.7	21	0.3
	26	1/28/2020 15:20	0.3	5.9	0
	27	1/28/2020 15:35	0	0.1	0.1
Peak			0.7	31.5	0.9
Min			0	0.1	0
Average			0.2	2.6	0.2

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TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	1/28/2020 9:05	0	0
2	1/28/2020 9:20	0	0.1
3	1/28/2020 9:35	0	0.1
4	1/28/2020 9:50	0	0.1
5	1/28/2020 10:05	0	0.2
6	1/28/2020 10:20	0	0.3
7	1/28/2020 10:35	0	0.4
8	1/28/2020 10:50	0	0.3
9	1/28/2020 11:05	0	0.3
10	1/28/2020 11:20	0	0.4
11	1/28/2020 11:35	0.1	1.1
12	1/28/2020 11:50	0.1	1.1
13	1/28/2020 12:05	0.1	0.4
14	1/28/2020 12:20	0.1	0.3
15	1/28/2020 12:35	0.1	0.2
16	1/28/2020 12:50	0.1	0.1
17	1/28/2020 13:05	0.1	0.1

18	1/28/2020 13:20	0.1	0.2
19	1/28/2020 13:35	0.1	0.1
20	1/28/2020 13:50	0.1	0.2
21	1/28/2020 14:05	0.1	0.4
22	1/28/2020 14:20	0.1	0.5
23	1/28/2020 14:35	0.1	0.6
24	1/28/2020 14:50	0.1	0.4
25	1/28/2020 15:05	0.1	0.4
26	1/28/2020 15:20	0.1	0.3
27	1/28/2020 15:35	0.1	0.1

==========
20/01/29 08:29
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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-910712
Unit Firmware Ver	V2.20A
Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down
Site ID	12345678
User ID	12345678
Begin	1/29/2020 8:29
End	1/29/2020 11:36
Sample Period(s)	900
Number of Records	12
Sensor	PID(ppm)
Sensor SN	S023030021Q5
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	1/3/2020 12:41
Peak	0.3
Min	0
Average	0.1

****
Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	1/29/2020 8:44	0	0	0
2	1/29/2020 8:59	0	0.1	0.1
3	1/29/2020 9:14	0.1	0.2	0.1
4	1/29/2020 9:29	0.1	0.1	0.1
5	1/29/2020 9:44	0.2	0.2	0.2

	6	1/29/2020 9:59	0.2	0.2	0.2
	7	1/29/2020 10:14	0.1	0.2	0.1
	8	1/29/2020 10:29	0	0.1	0
	9	1/29/2020 10:44	0.1	0.2	0.2
	10	1/29/2020 10:59	0.2	0.3	0.3
	11	1/29/2020 11:14	0.1	0.3	0
	12	1/29/2020 11:29	0	0.1	0
Peak			0.2	0.3	0.3
Min			0	0	0
Average			0.1	0.2	0.1

****

TWA/STEL

Index		Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
	1	1/29/2020 8:44	0	0
	2	1/29/2020 8:59	0	0.1
	3	1/29/2020 9:14	0	0.2
	4	1/29/2020 9:29	0	0.2
	5	1/29/2020 9:44	0	0.3
	6	1/29/2020 9:59	0	0.4
	7	1/29/2020 10:14	0	0.3
	8	1/29/2020 10:29	0	0.1
	9	1/29/2020 10:44	0	0.2
	10	1/29/2020 10:59	0	0.5
	11	1/29/2020 11:14	0	0.3
	12	1/29/2020 11:29	0	0

==========
20/01/29 11:38
****
Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-910712
Unit Firmware Ver	V2.20A

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Battery Low

Site ID	12345678
User ID	12345678

Begin	1/29/2020 11:38
End	1/29/2020 14:55
Sample Period(s)	900
Number of Records	13

Sensor	PID(ppm)
Sensor SN	S023030021Q5
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	1/3/2020 12:41
Peak	0.4
Min	0
Average	0.1

****
Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	1/29/2020 11:53	0	1.7	0.1
2	1/29/2020 12:08	0.1	0.5	0.1
3	1/29/2020 12:23	0.1	0.3	0.1
4	1/29/2020 12:38	0.3	0.5	0.4
5	1/29/2020 12:53	0.3	0.4	0.3

	6	1/29/2020 13:08	0.3	0.4	0.1
	7	1/29/2020 13:23	0.1	0.2	0
	8	1/29/2020 13:38	0	0.1	0
	9	1/29/2020 13:53	0	0.1	0
	10	1/29/2020 14:08	0	0.1	0.1
	11	1/29/2020 14:23	0.1	0.1	0.1
	12	1/29/2020 14:38	0.1	0.1	0
	13	1/29/2020 14:53	0	0.1	0
Peak			0.3	1.7	0.4
Min			0	0.1	0
Average			0.1	0.4	0.1

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	1/29/2020 11:53	0	0.1
2	1/29/2020 12:08	0	0.2
3	1/29/2020 12:23	0	0.2
4	1/29/2020 12:38	0	0.5
5	1/29/2020 12:53	0	0.7
6	1/29/2020 13:08	0	0.4
7	1/29/2020 13:23	0	0.1
8	1/29/2020 13:38	0	0
9	1/29/2020 13:53	0	0
10	1/29/2020 14:08	0	0.1
11	1/29/2020 14:23	0	0.2
12	1/29/2020 14:38	0	0.1
13	1/29/2020 14:53	0	0

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20/01/30 07:41
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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-910712
Unit Firmware Ver	V2.20A
Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down
Site ID	12345678
User ID	12345678
Begin	1/30/2020 7:41
End	1/30/2020 15:47
Sample Period(s)	900
Number of Records	32
Sensor	PID(ppm)
Sensor SN	S023030021Q5
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	1/3/2020 12:41
Peak	0.4
Min	0
Average	0.1

****
Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	1/30/2020 7:56	0	0.3	0
2	1/30/2020 8:11	0	0	0
3	1/30/2020 8:26	0	0.1	0
4	1/30/2020 8:41	0.1	0.9	0
5	1/30/2020 8:56	0	0	0

6	1/30/2020 9:11	0	0	0
7	1/30/2020 9:26	0	0.1	0
8	1/30/2020 9:41	0	0.1	0
9	1/30/2020 9:56	0	0	0
10	1/30/2020 10:11	0	0.1	0
11	1/30/2020 10:26	0	0	0
12	1/30/2020 10:41	0	0	0
13	1/30/2020 10:56	0	0	0
14	1/30/2020 11:11	0	0.1	0
15	1/30/2020 11:26	0	0.1	0
16	1/30/2020 11:41	0.1	0.1	0.1
17	1/30/2020 11:56	0.1	1.3	0.3
18	1/30/2020 12:11	0.2	1.1	0.1
19	1/30/2020 12:26	0.1	1.2	0
20	1/30/2020 12:41	0	0.1	0.1
21	1/30/2020 12:56	0.3	0.5	0.4
22	1/30/2020 13:11	0.2	0.4	0.2
23	1/30/2020 13:26	0.2	0.4	0.1
24	1/30/2020 13:41	0.1	0.3	0.3
25	1/30/2020 13:56	0.3	0.4	0.2
26	1/30/2020 14:11	0.2	0.3	0.2
27	1/30/2020 14:26	0.1	0.3	0.1
28	1/30/2020 14:41	0.1	0.1	0.1
29	1/30/2020 14:56	0.2	0.2	0.1
30	1/30/2020 15:11	0.2	0.2	0.2
31	1/30/2020 15:26	0.2	0.6	0.2
32	1/30/2020 15:41	0.2	1.1	0.3
Peak		0.3	1.3	0.4
Min		0	0	0
Average		0.1	0.3	0.1

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TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	1/30/2020 7:56	0	0
2	1/30/2020 8:11	0	0
3	1/30/2020 8:26	0	0
4	1/30/2020 8:41	0	0
5	1/30/2020 8:56	0	0
6	1/30/2020 9:11	0	0
7	1/30/2020 9:26	0	0
8	1/30/2020 9:41	0	0
9	1/30/2020 9:56	0	0
10	1/30/2020 10:11	0	0
11	1/30/2020 10:26	0	0
12	1/30/2020 10:41	0	0

13	1/30/2020 10:56	0	0
14	1/30/2020 11:11	0	0
15	1/30/2020 11:26	0	0
16	1/30/2020 11:41	0	0.1
17	1/30/2020 11:56	0	0.4
18	1/30/2020 12:11	0	0.4
19	1/30/2020 12:26	0	0.1
20	1/30/2020 12:41	0	0.1
21	1/30/2020 12:56	0	0.5
22	1/30/2020 13:11	0	0.6
23	1/30/2020 13:26	0	0.3
24	1/30/2020 13:41	0.1	0.4
25	1/30/2020 13:56	0.1	0.5
26	1/30/2020 14:11	0.1	0.4
27	1/30/2020 14:26	0.1	0.3
28	1/30/2020 14:41	0.1	0.2
29	1/30/2020 14:56	0.1	0.2
30	1/30/2020 15:11	0.1	0.3
31	1/30/2020 15:26	0.1	0.4
32	1/30/2020 15:41	0.1	0.5

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20/01/31 07:28
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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-910712
Unit Firmware Ver	V2.20A
Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down
Site ID	12345678
User ID	12345678
Begin	1/31/2020 7:28
End	1/31/2020 15:47
Sample Period(s)	900
Number of Records	33
Sensor	PID(ppm)
Sensor SN	S023030021Q5
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	1/3/2020 12:41
Peak	0.8
Min	0
Average	0.2

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Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	1/31/2020 7:43	0	0	0
2	1/31/2020 7:58	0	0	0
3	1/31/2020 8:13	0	0	0
4	1/31/2020 8:28	0	0.1	0.1
5	1/31/2020 8:43	0	0.2	0.1

6	1/31/2020 8:58	0.2	0.2	0.1
7	1/31/2020 9:13	0.1	0.2	0.1
8	1/31/2020 9:28	0.3	5.5	0.2
9	1/31/2020 9:43	0.2	0.3	0.2
10	1/31/2020 9:58	0.1	0.3	0.1
11	1/31/2020 10:13	0.2	0.3	0.3
12	1/31/2020 10:28	0.2	0.3	0.1
13	1/31/2020 10:43	0.2	0.4	0.1
14	1/31/2020 10:58	0.5	41.9	0.2
15	1/31/2020 11:13	0.6	7.5	0.5
16	1/31/2020 11:28	0.4	0.5	0.4
17	1/31/2020 11:43	0.3	0.5	0.2
18	1/31/2020 11:58	0.2	0.3	0.1
19	1/31/2020 12:13	0.1	0.1	0.1
20	1/31/2020 12:28	0.1	0.3	0.1
21	1/31/2020 12:43	0.2	0.4	0.2
22	1/31/2020 12:58	0.2	0.4	0.2
23	1/31/2020 13:13	0.3	0.4	0.3
24	1/31/2020 13:28	0.3	0.5	0.4
25	1/31/2020 13:43	0.3	0.5	0.2
26	1/31/2020 13:58	0.2	0.3	0.1
27	1/31/2020 14:13	1.3	81	0.1
28	1/31/2020 14:28	0.2	0.4	0.4
29	1/31/2020 14:43	0.4	0.5	0.3
30	1/31/2020 14:58	0.3	0.5	0.4
31	1/31/2020 15:13	0.3	0.6	0.1
32	1/31/2020 15:28	0.5	27.9	0.8
33	1/31/2020 15:43	0.2	1.9	0.2
Peak		1.3	81	0.8
Min		0	0	0
Average		0.3	5.3	0.2

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TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	1/31/2020 7:43	0	0
2	1/31/2020 7:58	0	0
3	1/31/2020 8:13	0	0
4	1/31/2020 8:28	0	0.1
5	1/31/2020 8:43	0	0.2
6	1/31/2020 8:58	0	0.2
7	1/31/2020 9:13	0	0.2
8	1/31/2020 9:28	0	0.3
9	1/31/2020 9:43	0	0.4
10	1/31/2020 9:58	0	0.3
11	1/31/2020 10:13	0	0.4

12	1/31/2020 10:28	0	0.4
13	1/31/2020 10:43	0	0.2
14	1/31/2020 10:58	0.1	0.3
15	1/31/2020 11:13	0.1	0.7
16	1/31/2020 11:28	0.1	0.9
17	1/31/2020 11:43	0.1	0.6
18	1/31/2020 11:58	0.1	0.3
19	1/31/2020 12:13	0.1	0.2
20	1/31/2020 12:28	0.1	0.2
21	1/31/2020 12:43	0.1	0.3
22	1/31/2020 12:58	0.1	0.4
23	1/31/2020 13:13	0.1	0.5
24	1/31/2020 13:28	0.1	0.7
25	1/31/2020 13:43	0.1	0.6
26	1/31/2020 13:58	0.1	0.3
27	1/31/2020 14:13	0.1	0.2
28	1/31/2020 14:28	0.2	0.5
29	1/31/2020 14:43	0.2	0.7
30	1/31/2020 14:58	0.2	0.7
31	1/31/2020 15:13	0.2	0.5
32	1/31/2020 15:28	0.2	0.9
33	1/31/2020 15:43	0.2	1

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20/02/03 07:20
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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-910712
Unit Firmware Ver	V2.20A
Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down
Site ID	12345678
User ID	12345678
Begin	2/3/2020 7:20
End	2/3/2020 15:36
Sample Period(s)	900
Number of Records	33
Sensor	PID(ppm)
Sensor SN	S023030021Q5
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	1/3/2020 12:41
Peak	0.3
Min	0
Average	0

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Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	2/3/2020 7:35	0	0	0
2	2/3/2020 7:50	0	0	0
3	2/3/2020 8:05	0	0	0
4	2/3/2020 8:20	0	0	0
5	2/3/2020 8:35	0	0	0

	6	2/3/2020 8:50	0	0.2	0.1
	7	2/3/2020 9:05	0.1	0.1	0.1
	8	2/3/2020 9:20	0.1	0.5	0
	9	2/3/2020 9:35	0	0.2	0
	10	2/3/2020 9:50	0	0	0
	11	2/3/2020 10:05	0	0	0
	12	2/3/2020 10:20	0.1	0.8	0.3
	13	2/3/2020 10:35	0.2	0.4	0.1
	14	2/3/2020 10:50	0.1	0.2	0
	15	2/3/2020 11:05	0.1	0.2	0.1
	16	2/3/2020 11:20	0.1	0.2	0
	17	2/3/2020 11:35	0	0.1	0
	18	2/3/2020 11:50	0.1	0.3	0.2
	19	2/3/2020 12:05	0.1	0.2	0
	20	2/3/2020 12:20	0	0.1	0
	21	2/3/2020 12:35	0	0	0
	22	2/3/2020 12:50	0	0	0
	23	2/3/2020 13:05	0	0	0
	24	2/3/2020 13:20	0	0	0
	25	2/3/2020 13:35	0	0	0
	26	2/3/2020 13:50	0.1	0.4	0.1
	27	2/3/2020 14:05	0.1	0.2	0
	28	2/3/2020 14:20	0	0.1	0.1
	29	2/3/2020 14:35	0.1	2.7	0
	30	2/3/2020 14:50	0	0.3	0.2
	31	2/3/2020 15:05	0.1	0.9	0
	32	2/3/2020 15:20	0.1	0.2	0.1
	33	2/3/2020 15:35	0.1	0.3	0.2
Peak			0.2	2.7	0.3
Min			0	0	0
Average			0	0.3	0

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TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	2/3/2020 7:35	0	0
2	2/3/2020 7:50	0	0
3	2/3/2020 8:05	0	0
4	2/3/2020 8:20	0	0
5	2/3/2020 8:35	0	0
6	2/3/2020 8:50	0	0.1
7	2/3/2020 9:05	0	0.2
8	2/3/2020 9:20	0	0.1
9	2/3/2020 9:35	0	0
10	2/3/2020 9:50	0	0
11	2/3/2020 10:05	0	0

12	2/3/2020 10:20	0	0.3
13	2/3/2020 10:35	0	0.4
14	2/3/2020 10:50	0	0.1
15	2/3/2020 11:05	0	0.1
16	2/3/2020 11:20	0	0.1
17	2/3/2020 11:35	0	0
18	2/3/2020 11:50	0	0.2
19	2/3/2020 12:05	0	0.2
20	2/3/2020 12:20	0	0
21	2/3/2020 12:35	0	0
22	2/3/2020 12:50	0	0
23	2/3/2020 13:05	0	0
24	2/3/2020 13:20	0	0
25	2/3/2020 13:35	0	0
26	2/3/2020 13:50	0	0.1
27	2/3/2020 14:05	0	0.1
28	2/3/2020 14:20	0	0.1
29	2/3/2020 14:35	0	0.1
30	2/3/2020 14:50	0	0.2
31	2/3/2020 15:05	0	0.2
32	2/3/2020 15:20	0	0.1
33	2/3/2020 15:35	0	0.3

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20/02/04 07:16
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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-910712
Unit Firmware Ver	V2.20A
Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down
Site ID	12345678
User ID	12345678
Begin	2/4/2020 7:16
End	2/4/2020 15:39
Sample Period(s)	900
Number of Records	33
Sensor	PID(ppm)
Sensor SN	S023030021Q5
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	1/3/2020 12:41
Peak	1.6
Min	0
Average	0.1

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Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	2/4/2020 7:31	0	0	0
2	2/4/2020 7:46	0	0	0
3	2/4/2020 8:01	0	0	0
4	2/4/2020 8:16	0	0.3	0.1
5	2/4/2020 8:31	0.1	0.2	0

6	2/4/2020 8:46	0.3	9.1	1.6
7	2/4/2020 9:01	0.5	1.9	0.1
8	2/4/2020 9:16	0.2	9.8	0
9	2/4/2020 9:31	0	0.1	0
10	2/4/2020 9:46	0	0.3	0
11	2/4/2020 10:01	0	0.2	0
12	2/4/2020 10:16	0	0.2	0
13	2/4/2020 10:31	0	0.1	0
14	2/4/2020 10:46	0.1	1.4	0.1
15	2/4/2020 11:01	0.2	0.4	0.1
16	2/4/2020 11:16	0.1	0.2	0
17	2/4/2020 11:31	0	0.1	0
18	2/4/2020 11:46	0	0.1	0
19	2/4/2020 12:01	0	0	0
20	2/4/2020 12:16	0	0.1	0.1
21	2/4/2020 12:31	0.4	32	0
22	2/4/2020 12:46	0	0.1	0
23	2/4/2020 13:01	0.1	2	0.2
24	2/4/2020 13:16	0.1	0.4	0.1
25	2/4/2020 13:31	0	0.1	0
26	2/4/2020 13:46	0.1	0.2	0
27	2/4/2020 14:01	0	0	0
28	2/4/2020 14:16	0.1	0.2	0.2
29	2/4/2020 14:31	0.1	0.2	0.1
30	2/4/2020 14:46	0.1	0.3	0.1
31	2/4/2020 15:01	0.1	0.2	0.1
32	2/4/2020 15:16	0.2	6.2	0.1
33	2/4/2020 15:31	0.1	0.2	0.2
Peak		0.5	32	1.6
Min		0	0	0
Average		0.1	2	0.1

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TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	2/4/2020 7:31	0	0
2	2/4/2020 7:46	0	0
3	2/4/2020 8:01	0	0
4	2/4/2020 8:16	0	0.1
5	2/4/2020 8:31	0	0.1
6	2/4/2020 8:46	0.1	1.6
7	2/4/2020 9:01	0.1	1.7
8	2/4/2020 9:16	0.1	0.1
9	2/4/2020 9:31	0.1	0
10	2/4/2020 9:46	0.1	0
11	2/4/2020 10:01	0.1	0

12	2/4/2020 10:16	0.1	0
13	2/4/2020 10:31	0.1	0
14	2/4/2020 10:46	0.1	0.1
15	2/4/2020 11:01	0.1	0.2
16	2/4/2020 11:16	0.1	0.1
17	2/4/2020 11:31	0.1	0
18	2/4/2020 11:46	0.1	0
19	2/4/2020 12:01	0.1	0
20	2/4/2020 12:16	0.1	0.1
21	2/4/2020 12:31	0.1	0.1
22	2/4/2020 12:46	0.1	0
23	2/4/2020 13:01	0.1	0.2
24	2/4/2020 13:16	0.1	0.3
25	2/4/2020 13:31	0.1	0.1
26	2/4/2020 13:46	0.1	0
27	2/4/2020 14:01	0.1	0
28	2/4/2020 14:16	0.1	0.2
29	2/4/2020 14:31	0.1	0.3
30	2/4/2020 14:46	0.1	0.2
31	2/4/2020 15:01	0.1	0.2
32	2/4/2020 15:16	0.1	0.2
33	2/4/2020 15:31	0.1	0.3

==========
20/02/05 07:26
****
Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-910712
Unit Firmware Ver	V2.20A
Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down
Site ID	12345678
User ID	12345678
Begin	2/5/2020 7:26
End	2/5/2020 15:50
Sample Period(s)	900
Number of Records	33
Sensor	PID(ppm)
Sensor SN	S023030021Q5
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	1/3/2020 12:41
Peak	1.5
Min	0
Average	0.2

****
Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	2/5/2020 7:41	0	0	0
2	2/5/2020 7:56	0	0	0
3	2/5/2020 8:11	0	0	0
4	2/5/2020 8:26	0	1.7	1.5
5	2/5/2020 8:41	0.3	1.5	0.3

6	2/5/2020 8:56	0.2	0.3	0.2
7	2/5/2020 9:11	0.2	0.4	0.3
8	2/5/2020 9:26	0.1	1.1	0.2
9	2/5/2020 9:41	0.3	2.2	0.2
10	2/5/2020 9:56	0.3	18.6	0.1
11	2/5/2020 10:11	0.1	0.1	0
12	2/5/2020 10:26	0	0.1	0
13	2/5/2020 10:41	0.1	0.2	0.1
14	2/5/2020 10:56	0.1	0.2	0
15	2/5/2020 11:11	0.1	1.7	0.1
16	2/5/2020 11:26	0.1	0.9	0.1
17	2/5/2020 11:41	0.1	0.2	0
18	2/5/2020 11:56	0.1	0.2	0.1
19	2/5/2020 12:11	0	0.1	0
20	2/5/2020 12:26	0	0	0
21	2/5/2020 12:41	0.1	0.3	0.1
22	2/5/2020 12:56	0.1	0.3	0.2
23	2/5/2020 13:11	0.2	0.5	0.4
24	2/5/2020 13:26	0.4	6.6	0.3
25	2/5/2020 13:41	0.2	0.3	0.2
26	2/5/2020 13:56	0.3	0.3	0.2
27	2/5/2020 14:11	0.2	1.1	0.2
28	2/5/2020 14:26	0.2	0.3	0.1
29	2/5/2020 14:41	0.2	0.3	0.2
30	2/5/2020 14:56	0.2	0.3	0.2
31	2/5/2020 15:11	0.2	0.4	0.2
32	2/5/2020 15:26	1.2	48.1	0.3
33	2/5/2020 15:41	0.3	0.9	0.1
Peak		1.2	48.1	1.5
Min		0	0	0
Average		0.2	2.7	0.2

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	2/5/2020 7:41	0	0
2	2/5/2020 7:56	0	0
3	2/5/2020 8:11	0	0
4	2/5/2020 8:26	0	1.5
5	2/5/2020 8:41	0.1	1.8
6	2/5/2020 8:56	0.1	0.5
7	2/5/2020 9:11	0.1	0.5
8	2/5/2020 9:26	0.1	0.5
9	2/5/2020 9:41	0.1	0.4
10	2/5/2020 9:56	0.1	0.3
11	2/5/2020 10:11	0.1	0.1

12	2/5/2020 10:26	0.1	0
13	2/5/2020 10:41	0.1	0.1
14	2/5/2020 10:56	0.1	0.1
15	2/5/2020 11:11	0.1	0.1
16	2/5/2020 11:26	0.1	0.2
17	2/5/2020 11:41	0.1	0.1
18	2/5/2020 11:56	0.1	0.1
19	2/5/2020 12:11	0.1	0.1
20	2/5/2020 12:26	0.1	0
21	2/5/2020 12:41	0.1	0.1
22	2/5/2020 12:56	0.1	0.3
23	2/5/2020 13:11	0.1	0.6
24	2/5/2020 13:26	0.1	0.7
25	2/5/2020 13:41	0.1	0.5
26	2/5/2020 13:56	0.1	0.4
27	2/5/2020 14:11	0.2	0.4
28	2/5/2020 14:26	0.2	0.3
29	2/5/2020 14:41	0.2	0.3
30	2/5/2020 14:56	0.2	0.4
31	2/5/2020 15:11	0.2	0.4
32	2/5/2020 15:26	0.2	0.5
33	2/5/2020 15:41	0.2	0.4

==========
20/02/06 07:06
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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-910712
Unit Firmware Ver	V2.20A

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Pause in Communication Mode

Site ID	12345678
User ID	12345678

Begin	2/6/2020 7:06
End	2/6/2020 7:30
Sample Period(s)	900
Number of Records	1

Sensor	PID(ppm)
Sensor SN	S023030021Q5
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	1/3/2020 12:41
Peak	0
Min	0
Average	0

****
Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	2/6/2020 7:21	0	0	0
Peak		0	0	0
Min		0	0	0
Average		0	0	0

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	2/6/2020 7:21	0	0

==========
20/02/06 07:06
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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-910712
Unit Firmware Ver	V2.20A

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Pause in Communication Mode

Site ID	12345678
User ID	12345678

Begin	2/6/2020 7:06
End	2/6/2020 7:30
Sample Period(s)	900
Number of Records	1

Sensor	PID(ppm)
Sensor SN	S023030021Q5
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	1/3/2020 12:41
Peak	0
Min	0
Average	0

****
Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	2/6/2020 7:21	0	0	0
Peak		0	0	0
Min		0	0	0
Average		0	0	0

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	2/6/2020 7:21	0	0

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20/02/06 08:01
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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-910712
Unit Firmware Ver	V2.20A
Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down
Site ID	12345678
User ID	12345678
Begin	2/6/2020 8:01
End	2/6/2020 15:43
Sample Period(s)	900
Number of Records	30
Sensor	PID(ppm)
Sensor SN	S023030021Q5
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	1/3/2020 12:41
Peak	0.5
Min	0
Average	0.1

****
Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	2/6/2020 8:16	0	0.2	0
2	2/6/2020 8:31	0	0	0
3	2/6/2020 8:46	0	0	0
4	2/6/2020 9:01	0	0	0
5	2/6/2020 9:16	0	0	0

6	2/6/2020 9:31	0.2	0.4	0.3
7	2/6/2020 9:46	0.4	0.5	0.5
8	2/6/2020 10:01	0.2	0.5	0.4
9	2/6/2020 10:16	0.2	0.4	0.1
10	2/6/2020 10:31	0.1	0.3	0
11	2/6/2020 10:46	0	0	0
12	2/6/2020 11:01	0	0.1	0
13	2/6/2020 11:16	0	0.1	0
14	2/6/2020 11:31	0.1	0.5	0.1
15	2/6/2020 11:46	0.1	0.3	0.1
16	2/6/2020 12:01	0.1	0.2	0.1
17	2/6/2020 12:16	0.1	0.2	0
18	2/6/2020 12:31	0	0	0
19	2/6/2020 12:46	0	0	0
20	2/6/2020 13:01	0	0.3	0
21	2/6/2020 13:16	0	0	0
22	2/6/2020 13:31	0	0.1	0
23	2/6/2020 13:46	0.1	0.2	0.2
24	2/6/2020 14:01	0.2	0.2	0.2
25	2/6/2020 14:16	0.1	0.2	0.2
26	2/6/2020 14:31	0.3	2.3	0.2
27	2/6/2020 14:46	0.2	0.3	0.1
28	2/6/2020 15:01	0.1	0.4	0.2
29	2/6/2020 15:16	0.1	0.2	0.2
30	2/6/2020 15:31	0.2	0.3	0.2
Peak		0.4	2.3	0.5
Min		0	0	0
Average		0.1	0.3	0.1

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	2/6/2020 8:16	0	0
2	2/6/2020 8:31	0	0
3	2/6/2020 8:46	0	0
4	2/6/2020 9:01	0	0
5	2/6/2020 9:16	0	0
6	2/6/2020 9:31	0	0.3
7	2/6/2020 9:46	0	0.8
8	2/6/2020 10:01	0	0.9
9	2/6/2020 10:16	0	0.5
10	2/6/2020 10:31	0	0.1
11	2/6/2020 10:46	0	0
12	2/6/2020 11:01	0	0
13	2/6/2020 11:16	0	0
14	2/6/2020 11:31	0	0.1

15	2/6/2020 11:46	0	0.2
16	2/6/2020 12:01	0.1	0.2
17	2/6/2020 12:16	0.1	0.1
18	2/6/2020 12:31	0.1	0
19	2/6/2020 12:46	0.1	0
20	2/6/2020 13:01	0.1	0
21	2/6/2020 13:16	0.1	0
22	2/6/2020 13:31	0.1	0
23	2/6/2020 13:46	0.1	0.2
24	2/6/2020 14:01	0.1	0.4
25	2/6/2020 14:16	0.1	0.4
26	2/6/2020 14:31	0.1	0.4
27	2/6/2020 14:46	0.1	0.3
28	2/6/2020 15:01	0.1	0.3
29	2/6/2020 15:16	0.1	0.4
30	2/6/2020 15:31	0.1	0.4

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20/02/07 07:28
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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-910712
Unit Firmware Ver	V2.20A

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	12345678
User ID	12345678

Begin	2/7/2020 7:28
End	2/7/2020 14:48
Sample Period(s)	900
Number of Records	29

Sensor	PID(ppm)
Sensor SN	S023030021Q5
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	1/3/2020 12:41
Peak	0.5
Min	0
Average	0.1

****
Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	2/7/2020 7:43	0	0.2	0.1
2	2/7/2020 7:58	0.1	0.5	0
3	2/7/2020 8:13	0	0	0
4	2/7/2020 8:28	0	0.1	0.1
5	2/7/2020 8:43	0.1	0.1	0.1

	6	2/7/2020 8:58	0.1	0.2	0.1
	7	2/7/2020 9:13	0.1	0.2	0.2
	8	2/7/2020 9:28	0.1	0.3	0.1
	9	2/7/2020 9:43	1.1	45.2	0.1
	10	2/7/2020 9:58	0.2	0.2	0.2
	11	2/7/2020 10:13	0.2	0.2	0.2
	12	2/7/2020 10:28	0	0.2	0
	13	2/7/2020 10:43	0	0	0
	14	2/7/2020 10:58	0	0.1	0.1
	15	2/7/2020 11:13	0.1	0.1	0.1
	16	2/7/2020 11:28	0.1	0.2	0.2
	17	2/7/2020 11:43	0.2	0.3	0.2
	18	2/7/2020 11:58	0.1	0.4	0.2
	19	2/7/2020 12:13	0.2	0.4	0.1
	20	2/7/2020 12:28	0.4	41.9	0.1
	21	2/7/2020 12:43	0.1	5.8	0
	22	2/7/2020 12:58	0	1.9	0.1
	23	2/7/2020 13:13	0.5	1.9	0.5
	24	2/7/2020 13:28	0.4	1.5	0.1
	25	2/7/2020 13:43	0.1	0.4	0.1
	26	2/7/2020 13:58	0.1	0.6	0.1
	27	2/7/2020 14:13	0.1	0.1	0.1
	28	2/7/2020 14:28	0.1	0.9	0.1
	29	2/7/2020 14:43	0.1	1.4	0
Peak			1.1	45.2	0.5
Min			0	0	0
Average			0.2	3.6	0.1

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TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	2/7/2020 7:43	0	0.1
2	2/7/2020 7:58	0	0.1
3	2/7/2020 8:13	0	0
4	2/7/2020 8:28	0	0.1
5	2/7/2020 8:43	0	0.2
6	2/7/2020 8:58	0	0.2
7	2/7/2020 9:13	0	0.3
8	2/7/2020 9:28	0	0.3
9	2/7/2020 9:43	0	0.2
10	2/7/2020 9:58	0	0.3
11	2/7/2020 10:13	0	0.4
12	2/7/2020 10:28	0	0.2
13	2/7/2020 10:43	0	0
14	2/7/2020 10:58	0	0.1
15	2/7/2020 11:13	0	0.2

16	2/7/2020 11:28	0.1	0.3
17	2/7/2020 11:43	0.1	0.4
18	2/7/2020 11:58	0.1	0.4
19	2/7/2020 12:13	0.1	0.3
20	2/7/2020 12:28	0.1	0.2
21	2/7/2020 12:43	0.1	0.1
22	2/7/2020 12:58	0.1	0.1
23	2/7/2020 13:13	0.1	0.6
24	2/7/2020 13:28	0.1	0.6
25	2/7/2020 13:43	0.1	0.2
26	2/7/2020 13:58	0.1	0.2
27	2/7/2020 14:13	0.1	0.2
28	2/7/2020 14:28	0.1	0.2
29	2/7/2020 14:43	0.1	0.1

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20/02/11 07:12
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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-910712
Unit Firmware Ver	V2.20A

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Battery Low

Site ID	12345678
User ID	12345678

Begin	2/11/2020 7:12
End	2/11/2020 15:52
Sample Period(s)	900
Number of Records	34

Sensor	PID(ppm)
Sensor SN	S023030021Q5
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	1/3/2020 12:41
Peak	0.3
Min	0
Average	0.1

****

Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	2/11/2020 7:27	0	0	0
2	2/11/2020 7:42	0	0	0
3	2/11/2020 7:57	0	0	0
4	2/11/2020 8:12	0	0	0
5	2/11/2020 8:27	0	0	0

6	2/11/2020 8:42	0	0	0
7	2/11/2020 8:57	0	0	0
8	2/11/2020 9:12	0	1.4	0
9	2/11/2020 9:27	0	0.1	0
10	2/11/2020 9:42	0	0.1	0
11	2/11/2020 9:57	0	0.1	0
12	2/11/2020 10:12	0	0.1	0
13	2/11/2020 10:27	0	0.8	0
14	2/11/2020 10:42	0	0.3	0
15	2/11/2020 10:57	0	0.2	0
16	2/11/2020 11:12	0	0.1	0
17	2/11/2020 11:27	0	0.3	0.1
18	2/11/2020 11:42	0	0.1	0
19	2/11/2020 11:57	0	0.1	0
20	2/11/2020 12:12	0	0	0
21	2/11/2020 12:27	0	0.1	0.1
22	2/11/2020 12:42	0	0.1	0
23	2/11/2020 12:57	0.1	0.5	0.2
24	2/11/2020 13:12	0.2	0.5	0.3
25	2/11/2020 13:27	0.2	0.4	0.2
26	2/11/2020 13:42	0.2	0.4	0.2
27	2/11/2020 13:57	0.1	0.2	0.2
28	2/11/2020 14:12	0.2	0.3	0.2
29	2/11/2020 14:27	0.1	0.3	0.2
30	2/11/2020 14:42	0.1	0.4	0.2
31	2/11/2020 14:57	0.1	0.5	0.1
32	2/11/2020 15:12	0.1	0.4	0.2
33	2/11/2020 15:27	0.1	0.5	0.3
34	2/11/2020 15:42	0.1	0.4	0.1
Peak		0.2	1.4	0.3
Min		0	0	0
Average		0	0.3	0.1

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TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	2/11/2020 7:27	0	0
2	2/11/2020 7:42	0	0
3	2/11/2020 7:57	0	0
4	2/11/2020 8:12	0	0
5	2/11/2020 8:27	0	0
6	2/11/2020 8:42	0	0
7	2/11/2020 8:57	0	0
8	2/11/2020 9:12	0	0
9	2/11/2020 9:27	0	0
10	2/11/2020 9:42	0	0

11	2/11/2020 9:57	0	0
12	2/11/2020 10:12	0	0
13	2/11/2020 10:27	0	0
14	2/11/2020 10:42	0	0
15	2/11/2020 10:57	0	0
16	2/11/2020 11:12	0	0
17	2/11/2020 11:27	0	0.1
18	2/11/2020 11:42	0	0.1
19	2/11/2020 11:57	0	0
20	2/11/2020 12:12	0	0
21	2/11/2020 12:27	0	0.1
22	2/11/2020 12:42	0	0.1
23	2/11/2020 12:57	0	0.2
24	2/11/2020 13:12	0	0.5
25	2/11/2020 13:27	0	0.5
26	2/11/2020 13:42	0	0.4
27	2/11/2020 13:57	0	0.4
28	2/11/2020 14:12	0	0.4
29	2/11/2020 14:27	0.1	0.4
30	2/11/2020 14:42	0.1	0.4
31	2/11/2020 14:57	0.1	0.3
32	2/11/2020 15:12	0.1	0.3
33	2/11/2020 15:27	0.1	0.5
34	2/11/2020 15:42	0.1	0.4

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20/02/12 07:19
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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-910712
Unit Firmware Ver	V2.20A

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	12345678
User ID	12345678

Begin	2/12/2020 7:19
End	2/12/2020 15:45
Sample Period(s)	900
Number of Records	33

Sensor	PID(ppm)
Sensor SN	S023030021Q5
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	1/3/2020 12:41
Peak	0.4
Min	0
Average	0.1

****
Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	2/12/2020 7:34	0	0	0
2	2/12/2020 7:49	0	0	0
3	2/12/2020 8:04	0	0	0
4	2/12/2020 8:19	0	0	0
5	2/12/2020 8:34	0	0.2	0.2

6	2/12/2020 8:49	0.1	0.3	0.3
7	2/12/2020 9:04	0.8	21.3	0.2
8	2/12/2020 9:19	0.2	0.8	0.1
9	2/12/2020 9:34	0.1	0.5	0.1
10	2/12/2020 9:49	0.1	0.3	0.3
11	2/12/2020 10:04	0.1	0.4	0.1
12	2/12/2020 10:19	0.2	0.4	0.2
13	2/12/2020 10:34	0.1	0.3	0.1
14	2/12/2020 10:49	0	0.1	0
15	2/12/2020 11:04	0	0.2	0
16	2/12/2020 11:19	0	0.2	0.1
17	2/12/2020 11:34	0.1	0.2	0.2
18	2/12/2020 11:49	0.1	0.2	0.1
19	2/12/2020 12:04	0	0.1	0
20	2/12/2020 12:19	0.1	0.3	0.1
21	2/12/2020 12:34	0.1	0.2	0.2
22	2/12/2020 12:49	0.1	0.2	0.1
23	2/12/2020 13:04	0	0.3	0
24	2/12/2020 13:19	0	0.2	0
25	2/12/2020 13:34	0	0.4	0
26	2/12/2020 13:49	0	0.1	0
27	2/12/2020 14:04	0.1	3.6	0
28	2/12/2020 14:19	0	0	0
29	2/12/2020 14:34	0	0.3	0
30	2/12/2020 14:49	0.1	0.3	0.2
31	2/12/2020 15:04	0.1	0.3	0.1
32	2/12/2020 15:19	0.1	0.6	0.4
33	2/12/2020 15:34	0.2	0.5	0.1
Peak		0.8	21.3	0.4
Min		0	0	0
Average		0.1	1	0.1

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TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	2/12/2020 7:34	0	0
2	2/12/2020 7:49	0	0
3	2/12/2020 8:04	0	0
4	2/12/2020 8:19	0	0
5	2/12/2020 8:34	0	0.2
6	2/12/2020 8:49	0	0.5
7	2/12/2020 9:04	0	0.5
8	2/12/2020 9:19	0	0.3
9	2/12/2020 9:34	0	0.2
10	2/12/2020 9:49	0	0.4
11	2/12/2020 10:04	0	0.4

12	2/12/2020 10:19	0	0.3
13	2/12/2020 10:34	0.1	0.3
14	2/12/2020 10:49	0.1	0.1
15	2/12/2020 11:04	0.1	0
16	2/12/2020 11:19	0.1	0.1
17	2/12/2020 11:34	0.1	0.3
18	2/12/2020 11:49	0.1	0.3
19	2/12/2020 12:04	0.1	0.1
20	2/12/2020 12:19	0.1	0.1
21	2/12/2020 12:34	0.1	0.3
22	2/12/2020 12:49	0.1	0.3
23	2/12/2020 13:04	0.1	0.1
24	2/12/2020 13:19	0.1	0
25	2/12/2020 13:34	0.1	0
26	2/12/2020 13:49	0.1	0
27	2/12/2020 14:04	0.1	0
28	2/12/2020 14:19	0.1	0
29	2/12/2020 14:34	0.1	0
30	2/12/2020 14:49	0.1	0.2
31	2/12/2020 15:04	0.1	0.3
32	2/12/2020 15:19	0.1	0.5
33	2/12/2020 15:34	0.1	0.5

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20/02/13 07:14
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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-910712
Unit Firmware Ver	V2.20A

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	12345678
User ID	12345678

Begin	2/13/2020 7:14
End	2/13/2020 15:54
Sample Period(s)	900
Number of Records	34

Sensor	PID(ppm)
Sensor SN	S023030021Q5
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	1/3/2020 12:41
Peak	0.3
Min	0
Average	0.1

****
Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	2/13/2020 7:29	0	0	0
2	2/13/2020 7:44	0	0.2	0
3	2/13/2020 7:59	0	0	0
4	2/13/2020 8:14	0	0	0
5	2/13/2020 8:29	0	0	0

6	2/13/2020 8:44	0	0	0
7	2/13/2020 8:59	0	0	0
8	2/13/2020 9:14	0	0.1	0
9	2/13/2020 9:29	0	0.2	0
10	2/13/2020 9:44	0	0.1	0
11	2/13/2020 9:59	0	0	0
12	2/13/2020 10:14	0	0.1	0
13	2/13/2020 10:29	0	0.1	0
14	2/13/2020 10:44	0	0.1	0
15	2/13/2020 10:59	0	0.2	0
16	2/13/2020 11:14	0	0.1	0.1
17	2/13/2020 11:29	0	0.1	0
18	2/13/2020 11:44	1.1	7.5	0.2
19	2/13/2020 11:59	0.1	0.2	0.1
20	2/13/2020 12:14	0.1	0.1	0.1
21	2/13/2020 12:29	0	0.1	0
22	2/13/2020 12:44	0	0.3	0.3
23	2/13/2020 12:59	0.1	0.3	0.1
24	2/13/2020 13:14	0.1	1.4	0
25	2/13/2020 13:29	0.1	0.2	0
26	2/13/2020 13:44	0	0.1	0
27	2/13/2020 13:59	0.1	0.2	0.2
28	2/13/2020 14:14	0.1	0.3	0.2
29	2/13/2020 14:29	0.1	0.2	0
30	2/13/2020 14:44	3.6	275.7	0.2
31	2/13/2020 14:59	0.2	0.3	0.1
32	2/13/2020 15:14	0.9	150.1	0.1
33	2/13/2020 15:29	0.2	0.4	0.2
34	2/13/2020 15:44	0.1	0.3	0.1
Peak		3.6	275.7	0.3
Min		0	0	0
Average		0.2	12.9	0.1

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TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	2/13/2020 7:29	0	0
2	2/13/2020 7:44	0	0
3	2/13/2020 7:59	0	0
4	2/13/2020 8:14	0	0
5	2/13/2020 8:29	0	0
6	2/13/2020 8:44	0	0
7	2/13/2020 8:59	0	0
8	2/13/2020 9:14	0	0
9	2/13/2020 9:29	0	0
10	2/13/2020 9:44	0	0

11	2/13/2020 9:59	0	0
12	2/13/2020 10:14	0	0
13	2/13/2020 10:29	0	0
14	2/13/2020 10:44	0	0
15	2/13/2020 10:59	0	0
16	2/13/2020 11:14	0	0.1
17	2/13/2020 11:29	0	0.1
18	2/13/2020 11:44	0	0.2
19	2/13/2020 11:59	0	0.3
20	2/13/2020 12:14	0	0.2
21	2/13/2020 12:29	0	0.1
22	2/13/2020 12:44	0	0.3
23	2/13/2020 12:59	0	0.4
24	2/13/2020 13:14	0	0.1
25	2/13/2020 13:29	0	0
26	2/13/2020 13:44	0	0
27	2/13/2020 13:59	0	0.2
28	2/13/2020 14:14	0	0.4
29	2/13/2020 14:29	0	0.2
30	2/13/2020 14:44	0	0.2
31	2/13/2020 14:59	0.1	0.3
32	2/13/2020 15:14	0.1	0.2
33	2/13/2020 15:29	0.1	0.3
34	2/13/2020 15:44	0.1	0.3

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20/02/14 07:36
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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-910712
Unit Firmware Ver	V2.20A

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	12345678
User ID	12345678

Begin	2/14/2020 7:36
End	2/14/2020 15:34
Sample Period(s)	900
Number of Records	31

Sensor	PID(ppm)
Sensor SN	S023030021Q5
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	1/3/2020 12:41
Peak	0.8
Min	0
Average	0.1

****
Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	2/14/2020 7:51	0.3	1.6	0.2
2	2/14/2020 8:06	0.1	0.2	0.1
3	2/14/2020 8:21	0	0.2	0
4	2/14/2020 8:36	0	0	0
5	2/14/2020 8:51	7.1	1486.9	0

	6	2/14/2020 9:06	2.6	392.6	0
	7	2/14/2020 9:21	0.1	0.6	0.2
	8	2/14/2020 9:36	0.1	0.2	0.1
	9	2/14/2020 9:51	0.1	0.1	0.1
	10	2/14/2020 10:06	0.1	0.1	0
	11	2/14/2020 10:21	0	0.5	0.5
	12	2/14/2020 10:36	0.1	0.6	0.1
	13	2/14/2020 10:51	0.1	0.4	0.2
	14	2/14/2020 11:06	0.1	0.2	0.1
	15	2/14/2020 11:21	0.1	0.9	0.8
	16	2/14/2020 11:36	0.6	1.2	0.7
	17	2/14/2020 11:51	0.4	0.8	0.2
	18	2/14/2020 12:06	0.2	0.3	0.1
	19	2/14/2020 12:21	0.1	0.7	0
	20	2/14/2020 12:36	0	0	0
	21	2/14/2020 12:51	0	0.1	0
	22	2/14/2020 13:06	0.1	0.1	0.1
	23	2/14/2020 13:21	0.2	1.3	0.2
	24	2/14/2020 13:36	0.4	14.6	0.1
	25	2/14/2020 13:51	0.1	0.2	0.1
	26	2/14/2020 14:06	0.1	0.2	0
	27	2/14/2020 14:21	0.1	0.1	0.1
	28	2/14/2020 14:36	0.2	7.9	0.1
	29	2/14/2020 14:51	0.1	0.5	0.1
	30	2/14/2020 15:06	0.1	0.2	0.1
	31	2/14/2020 15:21	0	0.2	0
Peak			7.1	1486.9	0.8
Min			0	0	0
Average			0.4	61.7	0.1

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TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	2/14/2020 7:51	0	0.2
2	2/14/2020 8:06	0	0.3
3	2/14/2020 8:21	0	0.1
4	2/14/2020 8:36	0	0
5	2/14/2020 8:51	0	0
6	2/14/2020 9:06	0	0
7	2/14/2020 9:21	0	0.2
8	2/14/2020 9:36	0	0.3
9	2/14/2020 9:51	0	0.2
10	2/14/2020 10:06	0	0.1
11	2/14/2020 10:21	0	0.5
12	2/14/2020 10:36	0	0.6
13	2/14/2020 10:51	0	0.3

14	2/14/2020 11:06	0.1	0.3
15	2/14/2020 11:21	0.1	0.9
16	2/14/2020 11:36	0.1	1.5
17	2/14/2020 11:51	0.1	0.9
18	2/14/2020 12:06	0.1	0.3
19	2/14/2020 12:21	0.1	0.1
20	2/14/2020 12:36	0.1	0
21	2/14/2020 12:51	0.1	0
22	2/14/2020 13:06	0.1	0.1
23	2/14/2020 13:21	0.1	0.3
24	2/14/2020 13:36	0.1	0.3
25	2/14/2020 13:51	0.1	0.2
26	2/14/2020 14:06	0.1	0.1
27	2/14/2020 14:21	0.1	0.1
28	2/14/2020 14:36	0.1	0.2
29	2/14/2020 14:51	0.1	0.2
30	2/14/2020 15:06	0.1	0.2
31	2/14/2020 15:21	0.1	0.1

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20/02/17 07:26
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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-910712
Unit Firmware Ver	V2.20A
Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down
Site ID	12345678
User ID	12345678
Begin	2/17/2020 7:26
End	2/17/2020 14:21
Sample Period(s)	900
Number of Records	27
Sensor	PID(ppm)
Sensor SN	S023030021Q5
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	1/3/2020 12:41
Peak	2.3
Min	0
Average	0.2

****
Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	2/17/2020 7:41	0	0.4	0
2	2/17/2020 7:56	0	0.9	0
3	2/17/2020 8:11	0	0	0
4	2/17/2020 8:26	0	0.1	0
5	2/17/2020 8:41	0	0.1	0

6	2/17/2020 8:56	0	0.1	0
7	2/17/2020 9:11	7.3	468.5	0.1
8	2/17/2020 9:26	0.1	0.9	0.1
9	2/17/2020 9:41	0.1	0.2	0.1
10	2/17/2020 9:56	0.1	0.1	0.1
11	2/17/2020 10:11	0.1	0.2	0.1
12	2/17/2020 10:26	0.1	0.1	0
13	2/17/2020 10:41	0	2	0
14	2/17/2020 10:56	0.1	2.6	2.3
15	2/17/2020 11:11	0.5	2.3	0.1
16	2/17/2020 11:26	3.1	48.7	0.9
17	2/17/2020 11:41	0.5	1.3	0.2
18	2/17/2020 11:56	0.8	4.9	1.9
19	2/17/2020 12:11	0.5	2.2	0.2
20	2/17/2020 12:26	0.1	0.4	0
21	2/17/2020 12:41	0	0.1	0
22	2/17/2020 12:56	0	0.3	0
23	2/17/2020 13:11	0	0.1	0
24	2/17/2020 13:26	0.1	0.6	0
25	2/17/2020 13:41	0	0.1	0
26	2/17/2020 13:56	0	0.1	0
27	2/17/2020 14:11	0	0	0
Peak		7.3	468.5	2.3
Min		0	0	0
Average		0.5	19.9	0.2

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TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	2/17/2020 7:41	0	0
2	2/17/2020 7:56	0	0
3	2/17/2020 8:11	0	0
4	2/17/2020 8:26	0	0
5	2/17/2020 8:41	0	0
6	2/17/2020 8:56	0	0
7	2/17/2020 9:11	0	0.1
8	2/17/2020 9:26	0	0.2
9	2/17/2020 9:41	0	0.2
10	2/17/2020 9:56	0	0.2
11	2/17/2020 10:11	0	0.2
12	2/17/2020 10:26	0	0.1
13	2/17/2020 10:41	0	0
14	2/17/2020 10:56	0.1	2.3
15	2/17/2020 11:11	0.1	2.4
16	2/17/2020 11:26	0.1	1
17	2/17/2020 11:41	0.1	1.1

18	2/17/2020 11:56	0.2	2.1
19	2/17/2020 12:11	0.2	2.1
20	2/17/2020 12:26	0.2	0.2
21	2/17/2020 12:41	0.2	0
22	2/17/2020 12:56	0.2	0
23	2/17/2020 13:11	0.2	0
24	2/17/2020 13:26	0.2	0
25	2/17/2020 13:41	0.2	0
26	2/17/2020 13:56	0.2	0
27	2/17/2020 14:11	0.2	0

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20/02/18 07:38
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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-910712
Unit Firmware Ver	V2.20A

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	12345678
User ID	12345678

Begin	2/18/2020 7:38
End	2/18/2020 15:48
Sample Period(s)	900
Number of Records	32

Sensor	PID(ppm)
Sensor SN	S023030021Q5
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	1/3/2020 12:41
Peak	0.2
Min	0
Average	0

****
Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	2/18/2020 7:53	0.1	0.1	0.1
2	2/18/2020 8:08	0.1	0.1	0.1
3	2/18/2020 8:23	0	0.1	0
4	2/18/2020 8:38	0	0	0
5	2/18/2020 8:53	0	0.5	0

6	2/18/2020 9:08	0.1	1.9	0
7	2/18/2020 9:23	0	0.1	0
8	2/18/2020 9:38	0	0.1	0
9	2/18/2020 9:53	0.3	3.9	0
10	2/18/2020 10:08	0	0.1	0
11	2/18/2020 10:23	0	0.1	0
12	2/18/2020 10:38	0	0	0
13	2/18/2020 10:53	0	0	0
14	2/18/2020 11:08	0	0.1	0
15	2/18/2020 11:23	0	0.2	0
16	2/18/2020 11:38	0	0	0
17	2/18/2020 11:53	0.4	5.3	0.1
18	2/18/2020 12:08	0	0.1	0
19	2/18/2020 12:23	0.1	0.3	0.2
20	2/18/2020 12:38	0.1	0.2	0
21	2/18/2020 12:53	0	0.8	0
22	2/18/2020 13:08	0.1	1.2	0.2
23	2/18/2020 13:23	0.1	0.2	0.1
24	2/18/2020 13:38	0.1	0.2	0.1
25	2/18/2020 13:53	0.1	0.1	0.1
26	2/18/2020 14:08	0	0.1	0
27	2/18/2020 14:23	0	0	0
28	2/18/2020 14:38	0	0	0
29	2/18/2020 14:53	0	0.1	0.1
30	2/18/2020 15:08	0.1	0.1	0.1
31	2/18/2020 15:23	0.1	0.2	0.2
32	2/18/2020 15:38	0.2	0.3	0.1
Peak		0.4	5.3	0.2
Min		0	0	0
Average		0.1	0.5	0

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TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	2/18/2020 7:53	0	0.1
2	2/18/2020 8:08	0	0.2
3	2/18/2020 8:23	0	0.1
4	2/18/2020 8:38	0	0
5	2/18/2020 8:53	0	0
6	2/18/2020 9:08	0	0
7	2/18/2020 9:23	0	0
8	2/18/2020 9:38	0	0
9	2/18/2020 9:53	0	0
10	2/18/2020 10:08	0	0
11	2/18/2020 10:23	0	0
12	2/18/2020 10:38	0	0

13	2/18/2020 10:53	0	0
14	2/18/2020 11:08	0	0
15	2/18/2020 11:23	0	0
16	2/18/2020 11:38	0	0
17	2/18/2020 11:53	0	0.1
18	2/18/2020 12:08	0	0.1
19	2/18/2020 12:23	0	0.2
20	2/18/2020 12:38	0	0.2
21	2/18/2020 12:53	0	0
22	2/18/2020 13:08	0	0.2
23	2/18/2020 13:23	0	0.3
24	2/18/2020 13:38	0	0.2
25	2/18/2020 13:53	0	0.2
26	2/18/2020 14:08	0	0.1
27	2/18/2020 14:23	0	0
28	2/18/2020 14:38	0	0
29	2/18/2020 14:53	0	0.1
30	2/18/2020 15:08	0	0.2
31	2/18/2020 15:23	0	0.3
32	2/18/2020 15:38	0	0.3

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20/02/19 07:40
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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-910712
Unit Firmware Ver	V2.20A

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	12345678
User ID	12345678

Begin	2/19/2020 7:40
End	2/19/2020 15:45
Sample Period(s)	900
Number of Records	32

Sensor	PID(ppm)
Sensor SN	S023030021Q5
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	1/3/2020 12:41
Peak	0.5
Min	0
Average	0.2

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Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	2/19/2020 7:55	0.3	1.1	0.1
2	2/19/2020 8:10	0.1	0.2	0
3	2/19/2020 8:25	0	0	0
4	2/19/2020 8:40	0.1	8.2	0
5	2/19/2020 8:55	0.3	7.2	0.1

6	2/19/2020 9:10	0.1	0.2	0.1
7	2/19/2020 9:25	0.2	0.4	0.3
8	2/19/2020 9:40	0.1	0.9	0.2
9	2/19/2020 9:55	0.2	0.4	0.2
10	2/19/2020 10:10	0.3	0.5	0.3
11	2/19/2020 10:25	0.2	0.5	0.2
12	2/19/2020 10:40	0.2	0.3	0
13	2/19/2020 10:55	3.9	151.8	0.1
14	2/19/2020 11:10	0.1	0.3	0.2
15	2/19/2020 11:25	6.3	500.6	0.3
16	2/19/2020 11:40	0.3	0.8	0.2
17	2/19/2020 11:55	0.2	0.6	0.1
18	2/19/2020 12:10	0.2	1.6	0.3
19	2/19/2020 12:25	0.2	0.6	0.2
20	2/19/2020 12:40	0.1	0.8	0
21	2/19/2020 12:55	0.4	1.2	0.3
22	2/19/2020 13:10	0.4	1.1	0.4
23	2/19/2020 13:25	0.4	1	0.5
24	2/19/2020 13:40	2.2	186.8	0.3
25	2/19/2020 13:55	0.4	10.7	0.5
26	2/19/2020 14:10	5.5	582.2	0.2
27	2/19/2020 14:25	0.1	0.4	0
28	2/19/2020 14:40	0.1	0.3	0.2
29	2/19/2020 14:55	0.2	0.3	0.2
30	2/19/2020 15:10	0.1	0.4	0.1
31	2/19/2020 15:25	0.1	0.4	0.2
32	2/19/2020 15:40	0.1	0.8	0
Peak		6.3	582.2	0.5
Min		0	0	0
Average		0.7	45.7	0.2

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TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	2/19/2020 7:55	0	0.1
2	2/19/2020 8:10	0	0.1
3	2/19/2020 8:25	0	0
4	2/19/2020 8:40	0	0
5	2/19/2020 8:55	0	0.1
6	2/19/2020 9:10	0	0.2
7	2/19/2020 9:25	0	0.4
8	2/19/2020 9:40	0	0.5
9	2/19/2020 9:55	0	0.4
10	2/19/2020 10:10	0	0.5
11	2/19/2020 10:25	0	0.5
12	2/19/2020 10:40	0	0.2

13	2/19/2020 10:55	0.1	0.1
14	2/19/2020 11:10	0.1	0.3
15	2/19/2020 11:25	0.1	0.5
16	2/19/2020 11:40	0.1	0.5
17	2/19/2020 11:55	0.1	0.3
18	2/19/2020 12:10	0.1	0.4
19	2/19/2020 12:25	0.1	0.5
20	2/19/2020 12:40	0.1	0.2
21	2/19/2020 12:55	0.1	0.3
22	2/19/2020 13:10	0.1	0.7
23	2/19/2020 13:25	0.1	0.9
24	2/19/2020 13:40	0.1	0.8
25	2/19/2020 13:55	0.2	0.8
26	2/19/2020 14:10	0.2	0.7
27	2/19/2020 14:25	0.2	0.2
28	2/19/2020 14:40	0.2	0.2
29	2/19/2020 14:55	0.2	0.4
30	2/19/2020 15:10	0.2	0.3
31	2/19/2020 15:25	0.2	0.3
32	2/19/2020 15:40	0.2	0.2

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20/02/20 07:41

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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-910712
Unit Firmware Ver	V2.20A

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	12345678
User ID	12345678

Begin	2/20/2020 7:41
End	2/20/2020 15:45
Sample Period(s)	900
Number of Records	32

Sensor	PID(ppm)
Sensor SN	S023030021Q5
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	1/3/2020 12:41
Peak	0.2
Min	0
Average	0.1

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Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	2/20/2020 7:56	0	0	0
2	2/20/2020 8:11	0	0	0
3	2/20/2020 8:26	0	0	0
4	2/20/2020 8:41	0	0.2	0
5	2/20/2020 8:56	0	0.1	0

6	2/20/2020 9:11	0.2	0.3	0.2
7	2/20/2020 9:26	0.2	0.2	0.1
8	2/20/2020 9:41	0.1	0.2	0.2
9	2/20/2020 9:56	0.2	0.5	0.1
10	2/20/2020 10:11	0.1	0.7	0
11	2/20/2020 10:26	0	0.3	0
12	2/20/2020 10:41	0	0.1	0
13	2/20/2020 10:56	0	0	0
14	2/20/2020 11:11	0	0	0
15	2/20/2020 11:26	0	0	0
16	2/20/2020 11:41	0	0	0
17	2/20/2020 11:56	0	0.3	0
18	2/20/2020 12:11	0	0.3	0
19	2/20/2020 12:26	0	0.1	0
20	2/20/2020 12:41	0	0.1	0
21	2/20/2020 12:56	0.1	0.2	0
22	2/20/2020 13:11	0	0.2	0
23	2/20/2020 13:26	0.1	0.1	0.1
24	2/20/2020 13:41	0.1	0.3	0.1
25	2/20/2020 13:56	0.1	0.4	0.2
26	2/20/2020 14:11	0.7	23.3	0.2
27	2/20/2020 14:26	0.1	0.5	0.1
28	2/20/2020 14:41	0.1	0.6	0.2
29	2/20/2020 14:56	0.3	0.9	0.2
30	2/20/2020 15:11	0.1	0.4	0.1
31	2/20/2020 15:26	0.1	0.5	0.2
32	2/20/2020 15:41	0.1	0.3	0.1
Peak		0.7	23.3	0.2
Min		0	0	0
Average		0.1	1	0.1

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TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	2/20/2020 7:56	0	0
2	2/20/2020 8:11	0	0
3	2/20/2020 8:26	0	0
4	2/20/2020 8:41	0	0
5	2/20/2020 8:56	0	0
6	2/20/2020 9:11	0	0.2
7	2/20/2020 9:26	0	0.3
8	2/20/2020 9:41	0	0.3
9	2/20/2020 9:56	0	0.3
10	2/20/2020 10:11	0	0.1
11	2/20/2020 10:26	0	0
12	2/20/2020 10:41	0	0

13	2/20/2020 10:56	0	0
14	2/20/2020 11:11	0	0
15	2/20/2020 11:26	0	0
16	2/20/2020 11:41	0	0
17	2/20/2020 11:56	0	0
18	2/20/2020 12:11	0	0
19	2/20/2020 12:26	0	0
20	2/20/2020 12:41	0	0
21	2/20/2020 12:56	0	0
22	2/20/2020 13:11	0	0
23	2/20/2020 13:26	0	0.1
24	2/20/2020 13:41	0	0.2
25	2/20/2020 13:56	0	0.3
26	2/20/2020 14:11	0	0.4
27	2/20/2020 14:26	0	0.3
28	2/20/2020 14:41	0	0.3
29	2/20/2020 14:56	0.1	0.4
30	2/20/2020 15:11	0.1	0.3
31	2/20/2020 15:26	0.1	0.3
32	2/20/2020 15:41	0.1	0.3

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20/02/21 07:53
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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-910712
Unit Firmware Ver	V2.20A
Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down
Site ID	12345678
User ID	12345678
Begin	2/21/2020 7:53
End	2/21/2020 14:42
Sample Period(s)	900
Number of Records	27
Sensor	PID(ppm)
Sensor SN	S023030021Q5
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	1/3/2020 12:41
Peak	0.4
Min	0
Average	0.1

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Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	2/21/2020 8:08	0	0.1	0
2	2/21/2020 8:23	0	0	0
3	2/21/2020 8:38	0	0	0
4	2/21/2020 8:53	0	0	0
5	2/21/2020 9:08	0	0	0

6	2/21/2020 9:23	0	0.1	0
7	2/21/2020 9:38	0	0.1	0
8	2/21/2020 9:53	0.2	4.4	0.4
9	2/21/2020 10:08	0.1	0.4	0
10	2/21/2020 10:23	0	0.4	0.1
11	2/21/2020 10:38	0	0.1	0
12	2/21/2020 10:53	0	0.1	0.1
13	2/21/2020 11:08	0	0.1	0.1
14	2/21/2020 11:23	0.1	0.3	0
15	2/21/2020 11:38	0	0.1	0
16	2/21/2020 11:53	0.1	0.3	0.1
17	2/21/2020 12:08	0.1	0.2	0.1
18	2/21/2020 12:23	0.9	80.8	0.1
19	2/21/2020 12:38	0	0.1	0
20	2/21/2020 12:53	0.1	0.7	0.1
21	2/21/2020 13:08	0.2	2	0.2
22	2/21/2020 13:23	0.8	10.6	0.2
23	2/21/2020 13:38	0.1	0.3	0
24	2/21/2020 13:53	0.1	1	0
25	2/21/2020 14:08	0.1	0.6	0
26	2/21/2020 14:23	0	0.2	0
27	2/21/2020 14:38	0.1	0.1	0
Peak		0.9	80.8	0.4
Min		0	0	0
Average		0.1	3.8	0.1

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TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	2/21/2020 8:08	0	0
2	2/21/2020 8:23	0	0
3	2/21/2020 8:38	0	0
4	2/21/2020 8:53	0	0
5	2/21/2020 9:08	0	0
6	2/21/2020 9:23	0	0
7	2/21/2020 9:38	0	0
8	2/21/2020 9:53	0	0.4
9	2/21/2020 10:08	0	0.4
10	2/21/2020 10:23	0	0.1
11	2/21/2020 10:38	0	0.1
12	2/21/2020 10:53	0	0.1
13	2/21/2020 11:08	0	0.2
14	2/21/2020 11:23	0	0.1
15	2/21/2020 11:38	0	0
16	2/21/2020 11:53	0	0.1
17	2/21/2020 12:08	0	0.2

18	2/21/2020 12:23	0	0.2
19	2/21/2020 12:38	0	0.1
20	2/21/2020 12:53	0	0.1
21	2/21/2020 13:08	0	0.3
22	2/21/2020 13:23	0	0.4
23	2/21/2020 13:38	0	0.2
24	2/21/2020 13:53	0	0
25	2/21/2020 14:08	0	0
26	2/21/2020 14:23	0	0
27	2/21/2020 14:38	0	0

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20/02/24 07:46
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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-910712
Unit Firmware Ver	V2.20A

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	12345678
User ID	12345678

Begin	2/24/2020 7:46
End	2/24/2020 15:55
Sample Period(s)	900
Number of Records	32

Sensor	PID(ppm)
Sensor SN	S023030021Q5
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	1/3/2020 12:41
Peak	0.7
Min	0
Average	0.1

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Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	2/24/2020 8:01	0	0.1	0
2	2/24/2020 8:16	0	0	0
3	2/24/2020 8:31	0	0	0
4	2/24/2020 8:46	0	0	0
5	2/24/2020 9:01	0	0	0

6	2/24/2020 9:16	0	0.3	0
7	2/24/2020 9:31	0	0.1	0
8	2/24/2020 9:46	0	0.1	0
9	2/24/2020 10:01	0	0.1	0
10	2/24/2020 10:16	0	0.1	0
11	2/24/2020 10:31	0	0	0
12	2/24/2020 10:46	0	0	0
13	2/24/2020 11:01	0	0	0
14	2/24/2020 11:16	0	0	0
15	2/24/2020 11:31	0	0	0
16	2/24/2020 11:46	0	0.1	0
17	2/24/2020 12:01	0	0.2	0
18	2/24/2020 12:16	0.1	0.2	0
19	2/24/2020 12:31	0.1	0.9	0.1
20	2/24/2020 12:46	0.1	0.1	0
21	2/24/2020 13:01	0	0.3	0.1
22	2/24/2020 13:16	0.4	12.5	0.7
23	2/24/2020 13:31	0.2	0.9	0.1
24	2/24/2020 13:46	0.1	0.2	0.1
25	2/24/2020 14:01	0.2	0.3	0.1
26	2/24/2020 14:16	0.1	0.2	0.1
27	2/24/2020 14:31	0.2	0.3	0.2
28	2/24/2020 14:46	0.2	0.4	0.3
29	2/24/2020 15:01	0.2	0.4	0.1
30	2/24/2020 15:16	0.1	0.3	0.2
31	2/24/2020 15:31	0.2	0.3	0.2
32	2/24/2020 15:46	0.3	0.5	0.3
Peak		0.4	12.5	0.7
Min		0	0	0
Average		0.1	0.6	0.1

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TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	2/24/2020 8:01	0	0
2	2/24/2020 8:16	0	0
3	2/24/2020 8:31	0	0
4	2/24/2020 8:46	0	0
5	2/24/2020 9:01	0	0
6	2/24/2020 9:16	0	0
7	2/24/2020 9:31	0	0
8	2/24/2020 9:46	0	0
9	2/24/2020 10:01	0	0
10	2/24/2020 10:16	0	0
11	2/24/2020 10:31	0	0
12	2/24/2020 10:46	0	0

13	2/24/2020 11:01	0	0
14	2/24/2020 11:16	0	0
15	2/24/2020 11:31	0	0
16	2/24/2020 11:46	0	0
17	2/24/2020 12:01	0	0
18	2/24/2020 12:16	0	0
19	2/24/2020 12:31	0	0.1
20	2/24/2020 12:46	0	0.1
21	2/24/2020 13:01	0	0.1
22	2/24/2020 13:16	0	0.8
23	2/24/2020 13:31	0	0.8
24	2/24/2020 13:46	0	0.2
25	2/24/2020 14:01	0	0.2
26	2/24/2020 14:16	0	0.2
27	2/24/2020 14:31	0	0.3
28	2/24/2020 14:46	0.1	0.5
29	2/24/2020 15:01	0.1	0.4
30	2/24/2020 15:16	0.1	0.3
31	2/24/2020 15:31	0.1	0.4
32	2/24/2020 15:46	0.1	0.5

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20/02/25 07:47
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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-910712
Unit Firmware Ver	V2.20A

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Pause in Menu Mode

Site ID	12345678
User ID	12345678

Begin	2/25/2020 7:47
End	2/25/2020 12:07
Sample Period(s)	900
Number of Records	17

Sensor	PID(ppm)
Sensor SN	S023030021Q5
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	1/3/2020 12:41
Peak	0.7
Min	0
Average	0.1

****
Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	2/25/2020 8:02	0.1	0.2	0.1
2	2/25/2020 8:17	0	0.3	0
3	2/25/2020 8:32	0	0.1	0
4	2/25/2020 8:47	0	0.2	0.1
5	2/25/2020 9:02	0	0.1	0

	6	2/25/2020 9:17	0	0.1	0
	7	2/25/2020 9:32	0.1	0.3	0.1
	8	2/25/2020 9:47	0.1	0.2	0.2
	9	2/25/2020 10:02	0.2	0.4	0.3
	10	2/25/2020 10:17	0.9	58.6	0
	11	2/25/2020 10:32	0	0.2	0
	12	2/25/2020 10:47	0	0.1	0
	13	2/25/2020 11:02	0	0.2	0
	14	2/25/2020 11:17	0.3	14.8	0
	15	2/25/2020 11:32	0	0.1	0
	16	2/25/2020 11:47	0.2	2	0.4
	17	2/25/2020 12:02	0.6	3.1	0.7
Peak			0.9	58.6	0.7
Min			0	0.1	0
Average			0.1	4.8	0.1

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TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	2/25/2020 8:02	0	0.1
2	2/25/2020 8:17	0	0.1
3	2/25/2020 8:32	0	0
4	2/25/2020 8:47	0	0.1
5	2/25/2020 9:02	0	0.1
6	2/25/2020 9:17	0	0
7	2/25/2020 9:32	0	0.1
8	2/25/2020 9:47	0	0.3
9	2/25/2020 10:02	0	0.5
10	2/25/2020 10:17	0	0.3
11	2/25/2020 10:32	0	0
12	2/25/2020 10:47	0	0
13	2/25/2020 11:02	0	0
14	2/25/2020 11:17	0	0
15	2/25/2020 11:32	0	0
16	2/25/2020 11:47	0	0.4
17	2/25/2020 12:02	0.1	1.1

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20/02/25 12:07
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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-910712
Unit Firmware Ver	V2.20A

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	12345678
User ID	12345678

Begin	2/25/2020 12:07
End	2/25/2020 15:21
Sample Period(s)	900
Number of Records	12

Sensor	PID(ppm)
Sensor SN	S023030021Q5
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	5
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	1/3/2020 12:41
Peak	0.2
Min	0
Average	0

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Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	2/25/2020 12:22	0.3	1.1	0.2
2	2/25/2020 12:37	0.1	0.3	0
3	2/25/2020 12:52	0	0.1	0
4	2/25/2020 13:07	0	0	0
5	2/25/2020 13:22	0	0	0

	6	2/25/2020 13:37	0	0	0
	7	2/25/2020 13:52	0.1	2.4	0.1
	8	2/25/2020 14:07	0.1	0.8	0
	9	2/25/2020 14:22	0	0.1	0
	10	2/25/2020 14:37	0	0.7	0
	11	2/25/2020 14:52	0	0.7	0
	12	2/25/2020 15:07	0	0	0
Peak			0.3	2.4	0.2
Min			0	0	0
Average			0.1	0.5	0

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TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	2/25/2020 12:22	0	0.2
2	2/25/2020 12:37	0	0.2
3	2/25/2020 12:52	0	0
4	2/25/2020 13:07	0	0
5	2/25/2020 13:22	0	0
6	2/25/2020 13:37	0	0
7	2/25/2020 13:52	0	0.1
8	2/25/2020 14:07	0	0.1
9	2/25/2020 14:22	0	0
10	2/25/2020 14:37	0	0
11	2/25/2020 14:52	0	0
12	2/25/2020 15:07	0	0

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20/02/26 07:19

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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-910712
Unit Firmw	V2.20A

Running M	Hygiene Mode
Datalog Mc	Auto
Diagnostic	No
Stop Reaso	Power Down

Site ID	12345678
User ID	12345678

Begin	2/26/2020 7:19
End	2/26/2020 15:43
Sample Per	900
Number of	33

Sensor	PID(ppm)
Sensor SN	S023030021Q5
Measure T	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	5
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurem	Isobutylene
Calibration	1/3/2020 12:41
Peak	0.9
Min	0
Average	0.2

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Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	2/26/2020 7:34	0	0.1	0
2	2/26/2020 7:49	0	0	0
3	2/26/2020 8:04	0	0	0
4	2/26/2020 8:19	0.1	0.8	0.5
5	2/26/2020 8:34	0.2	1.7	0

6	2/26/2020 8:49	0.1	2	0.2
7	2/26/2020 9:04	0.2	1.4	0.2
8	2/26/2020 9:19	1.3	20.2	0.6
9	2/26/2020 9:34	0.2	0.8	0.1
10	2/26/2020 9:49	0.3	1.5	0.1
11	2/26/2020 10:04	0.3	1.2	0.4
12	2/26/2020 10:19	0.3	1.7	0.1
13	2/26/2020 10:34	0.2	0.8	0.1
14	2/26/2020 10:49	0.1	0.5	0.1
15	2/26/2020 11:04	0.2	0.7	0.1
16	2/26/2020 11:19	0.1	0.2	0.2
17	2/26/2020 11:34	0.2	0.5	0.1
18	2/26/2020 11:49	0.2	0.3	0.2
19	2/26/2020 12:04	0.2	0.4	0.2
20	2/26/2020 12:19	0.1	0.3	0
21	2/26/2020 12:34	0	0.2	0
22	2/26/2020 12:49	0	0.6	0
23	2/26/2020 13:04	0	0	0
24	2/26/2020 13:19	0	0.2	0
25	2/26/2020 13:34	0	0.1	0
26	2/26/2020 13:49	0	0.2	0.2
27	2/26/2020 14:04	0.1	0.8	0.1
28	2/26/2020 14:19	0.5	1.4	0.9
29	2/26/2020 14:34	0.3	0.9	0.1
30	2/26/2020 14:49	0.3	3.3	0.3
31	2/26/2020 15:04	0.3	1.5	0.1
32	2/26/2020 15:19	0.1	0.5	0.5
33	2/26/2020 15:34	0.2	1.2	0.1
Peak		1.3	20.2	0.9
Min		0	0	0
Average		0.2	1.4	0.2

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TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	2/26/2020 7:34	0	0
2	2/26/2020 7:49	0	0
3	2/26/2020 8:04	0	0
4	2/26/2020 8:19	0	0.5
5	2/26/2020 8:34	0	0.5
6	2/26/2020 8:49	0	0.2
7	2/26/2020 9:04	0	0.4
8	2/26/2020 9:19	0	0.8
9	2/26/2020 9:34	0.1	0.7
10	2/26/2020 9:49	0.1	0.2
11	2/26/2020 10:04	0.1	0.5

12	2/26/2020 10:19	0.1	0.5
13	2/26/2020 10:34	0.1	0.2
14	2/26/2020 10:49	0.1	0.2
15	2/26/2020 11:04	0.1	0.2
16	2/26/2020 11:19	0.1	0.3
17	2/26/2020 11:34	0.1	0.3
18	2/26/2020 11:49	0.1	0.3
19	2/26/2020 12:04	0.1	0.4
20	2/26/2020 12:19	0.1	0.2
21	2/26/2020 12:34	0.1	0
22	2/26/2020 12:49	0.1	0
23	2/26/2020 13:04	0.1	0
24	2/26/2020 13:19	0.1	0
25	2/26/2020 13:34	0.1	0
26	2/26/2020 13:49	0.1	0.2
27	2/26/2020 14:04	0.1	0.3
28	2/26/2020 14:19	0.1	1
29	2/26/2020 14:34	0.1	1
30	2/26/2020 14:49	0.2	0.4
31	2/26/2020 15:04	0.2	0.4
32	2/26/2020 15:19	0.2	0.6
33	2/26/2020 15:34	0.2	0.6

==========
20/02/27 11:47
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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-910712
Unit Firmware Ver	V2.20A

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	12345678
User ID	12345678

Begin	2/27/2020 11:47
End	2/27/2020 15:59
Sample Period(s)	900
Number of Records	16

Sensor	PID(ppm)
Sensor SN	S023030021Q5
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	5
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	1/3/2020 12:41
Peak	1.1
Min	0.1
Average	0.2

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Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	2/27/2020 12:02	0.2	0.3	0.1
2	2/27/2020 12:17	0.1	0.2	0.1
3	2/27/2020 12:32	0.5	30.6	0.1
4	2/27/2020 12:47	0.2	0.2	0.2
5	2/27/2020 13:02	0.2	0.7	0.6

	6	2/27/2020 13:17	0.3	0.7	0.2
	7	2/27/2020 13:32	0.2	1.1	0.1
	8	2/27/2020 13:47	0.1	0.1	0.1
	9	2/27/2020 14:02	0.2	1.5	1.1
	10	2/27/2020 14:17	0.9	16.3	0.3
	11	2/27/2020 14:32	0.2	0.3	0.2
	12	2/27/2020 14:47	0.2	0.3	0.2
	13	2/27/2020 15:02	0.1	0.2	0.1
	14	2/27/2020 15:17	0.1	0.1	0.1
	15	2/27/2020 15:32	0.1	0.1	0.1
	16	2/27/2020 15:47	0.1	0.1	0.1
Peak			0.9	30.6	1.1
Min			0.1	0.1	0.1
Average			0.2	3.3	0.2

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TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	2/27/2020 12:02	0	0.1
2	2/27/2020 12:17	0	0.2
3	2/27/2020 12:32	0	0.2
4	2/27/2020 12:47	0	0.3
5	2/27/2020 13:02	0	0.8
6	2/27/2020 13:17	0	0.8
7	2/27/2020 13:32	0	0.3
8	2/27/2020 13:47	0	0.2
9	2/27/2020 14:02	0.1	1.2
10	2/27/2020 14:17	0.1	1.4
11	2/27/2020 14:32	0.1	0.5
12	2/27/2020 14:47	0.1	0.4
13	2/27/2020 15:02	0.1	0.3
14	2/27/2020 15:17	0.1	0.2
15	2/27/2020 15:32	0.1	0.2
16	2/27/2020 15:47	0.1	0.2

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20/02/28 08:00
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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-910712
Unit Firmware Ver	V2.20A

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	12345678
User ID	12345678

Begin	2/28/2020 8:00
End	2/28/2020 15:36
Sample Period(s)	900
Number of Records	30

Sensor	PID(ppm)
Sensor SN	S023030021Q5
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	5
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	1/3/2020 12:41
Peak	2.2
Min	0
Average	0.1

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Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	2/28/2020 8:15	0	0.2	0
2	2/28/2020 8:30	0	0.1	0
3	2/28/2020 8:45	0	0.1	0
4	2/28/2020 9:00	0	0.1	0
5	2/28/2020 9:15	0	0	0

6	2/28/2020 9:30	0	0	0
7	2/28/2020 9:45	0	0	0
8	2/28/2020 10:00	0	0	0
9	2/28/2020 10:15	0.2	2.5	2.2
10	2/28/2020 10:30	0.9	2.2	0.4
11	2/28/2020 10:45	0.4	1.1	0.1
12	2/28/2020 11:00	0.1	0.2	0
13	2/28/2020 11:15	0	0.1	0.1
14	2/28/2020 11:30	0	0.1	0
15	2/28/2020 11:45	0	2	0
16	2/28/2020 12:00	0	0.1	0
17	2/28/2020 12:15	0	0.1	0.1
18	2/28/2020 12:30	0.1	0.1	0.1
19	2/28/2020 12:45	0.1	6.6	0
20	2/28/2020 13:00	0.1	14.8	0.1
21	2/28/2020 13:15	0.2	7.5	0
22	2/28/2020 13:30	0	0.1	0
23	2/28/2020 13:45	0	0	0
24	2/28/2020 14:00	0	0.1	0
25	2/28/2020 14:15	0	0.1	0
26	2/28/2020 14:30	0	0.1	0
27	2/28/2020 14:45	0	0.1	0
28	2/28/2020 15:00	0	0.1	0
29	2/28/2020 15:15	0.1	0.1	0.1
30	2/28/2020 15:30	0.1	0.2	0.1
Peak		0.9	14.8	2.2
Min		0	0	0
Average		0.1	1.3	0.1

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TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	2/28/2020 8:15	0	0
2	2/28/2020 8:30	0	0
3	2/28/2020 8:45	0	0
4	2/28/2020 9:00	0	0
5	2/28/2020 9:15	0	0
6	2/28/2020 9:30	0	0
7	2/28/2020 9:45	0	0
8	2/28/2020 10:00	0	0
9	2/28/2020 10:15	0.1	2.2
10	2/28/2020 10:30	0.1	2.6
11	2/28/2020 10:45	0.1	0.5
12	2/28/2020 11:00	0.1	0.1
13	2/28/2020 11:15	0.1	0.1
14	2/28/2020 11:30	0.1	0.1

15	2/28/2020 11:45	0.1	0
16	2/28/2020 12:00	0.1	0
17	2/28/2020 12:15	0.1	0.1
18	2/28/2020 12:30	0.1	0.2
19	2/28/2020 12:45	0.1	0.1
20	2/28/2020 13:00	0.1	0.1
21	2/28/2020 13:15	0.1	0.1
22	2/28/2020 13:30	0.1	0
23	2/28/2020 13:45	0.1	0
24	2/28/2020 14:00	0.1	0
25	2/28/2020 14:15	0.1	0
26	2/28/2020 14:30	0.1	0
27	2/28/2020 14:45	0.1	0
28	2/28/2020 15:00	0.1	0
29	2/28/2020 15:15	0.1	0.1
30	2/28/2020 15:30	0.1	0.2

March 2020
Work Zone PID
Data

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20/03/02 07:55
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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-910712
Unit Firmware Ver	V2.20A
Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down
Site ID	12345678
User ID	12345678
Begin	3/2/2020 7:55
End	3/2/2020 14:47
Sample Period(s)	900
Number of Records	27
Sensor	PID(ppm)
Sensor SN	S023030021Q5
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	5
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	1/3/2020 12:41
Peak	0.1
Min	0
Average	0

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Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	3/2/2020 8:10	0	0.1	0
2	3/2/2020 8:25	0	0.1	0
3	3/2/2020 8:40	0	0.1	0
4	3/2/2020 8:55	0	0	0
5	3/2/2020 9:10	0	0	0

6	3/2/2020 9:25	0	0.1	0
7	3/2/2020 9:40	0	0.4	0
8	3/2/2020 9:55	0	0.1	0.1
9	3/2/2020 10:10	0.1	0.1	0
10	3/2/2020 10:25	0.1	0.1	0
11	3/2/2020 10:40	0.1	0.1	0
12	3/2/2020 10:55	0.1	0.1	0.1
13	3/2/2020 11:10	0.1	0.2	0.1
14	3/2/2020 11:25	0	0.2	0
15	3/2/2020 11:40	0	0	0
16	3/2/2020 11:55	0	0.5	0
17	3/2/2020 12:10	0	0.1	0
18	3/2/2020 12:25	0.1	1.5	0.1
19	3/2/2020 12:40	0.1	1.3	0.1
20	3/2/2020 12:55	0.1	1.8	0.1
21	3/2/2020 13:10	0.2	1.3	0.1
22	3/2/2020 13:25	0.1	0.2	0
23	3/2/2020 13:40	0	0	0
24	3/2/2020 13:55	0	0.1	0
25	3/2/2020 14:10	0	0.1	0
26	3/2/2020 14:25	0	0.1	0
27	3/2/2020 14:40	0	0.1	0
Peak		0.2	1.8	0.1
Min		0	0	0
Average		0	0.3	0

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TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	3/2/2020 8:10	0	0
2	3/2/2020 8:25	0	0
3	3/2/2020 8:40	0	0
4	3/2/2020 8:55	0	0
5	3/2/2020 9:10	0	0
6	3/2/2020 9:25	0	0
7	3/2/2020 9:40	0	0
8	3/2/2020 9:55	0	0.1
9	3/2/2020 10:10	0	0.1
10	3/2/2020 10:25	0	0
11	3/2/2020 10:40	0	0
12	3/2/2020 10:55	0	0.1
13	3/2/2020 11:10	0	0.2
14	3/2/2020 11:25	0	0.1
15	3/2/2020 11:40	0	0
16	3/2/2020 11:55	0	0
17	3/2/2020 12:10	0	0

18	3/2/2020 12:25	0	0.1
19	3/2/2020 12:40	0	0.2
20	3/2/2020 12:55	0	0.2
21	3/2/2020 13:10	0	0.2
22	3/2/2020 13:25	0	0.1
23	3/2/2020 13:40	0	0
24	3/2/2020 13:55	0	0
25	3/2/2020 14:10	0	0
26	3/2/2020 14:25	0	0
27	3/2/2020 14:40	0	0

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20/03/03 08:03
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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-910712
Unit Firmware Ver	V2.20A
Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down
Site ID	12345678
User ID	12345678
Begin	3/3/2020 8:03
End	3/3/2020 16:01
Sample Period(s)	900
Number of Records	31
Sensor	PID(ppm)
Sensor SN	S023030021Q5
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	5
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	1/3/2020 12:41
Peak	0.4
Min	0
Average	0.1

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Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	3/3/2020 8:18	1.3	4.1	0.4
2	3/3/2020 8:33	0.2	3.7	0.1
3	3/3/2020 8:48	0	0.1	0
4	3/3/2020 9:03	0	0	0
5	3/3/2020 9:18	0	0	0

6	3/3/2020 9:33	0	0.1	0
7	3/3/2020 9:48	0	0.1	0
8	3/3/2020 10:03	0	0.1	0
9	3/3/2020 10:18	0.1	0.1	0.1
10	3/3/2020 10:33	0	0.1	0
11	3/3/2020 10:48	0	0.1	0
12	3/3/2020 11:03	0	0	0
13	3/3/2020 11:18	0	0	0
14	3/3/2020 11:33	0	0.1	0
15	3/3/2020 11:48	0	0.1	0
16	3/3/2020 12:03	0	0	0
17	3/3/2020 12:18	0	0	0
18	3/3/2020 12:33	0	0	0
19	3/3/2020 12:48	0	4.3	0
20	3/3/2020 13:03	0	0.1	0
21	3/3/2020 13:18	0	0	0
22	3/3/2020 13:33	0	0	0
23	3/3/2020 13:48	0	0.1	0
24	3/3/2020 14:03	0.1	0.7	0
25	3/3/2020 14:18	0	0.1	0
26	3/3/2020 14:33	0.1	0.1	0.1
27	3/3/2020 14:48	0.1	0.2	0.1
28	3/3/2020 15:03	0.1	0.2	0.1
29	3/3/2020 15:18	0.1	0.3	0.3
30	3/3/2020 15:33	0.2	0.4	0.2
31	3/3/2020 15:48	0.3	0.3	0.3
Peak		1.3	4.3	0.4
Min		0	0	0
Average		0.1	0.5	0.1

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TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	3/3/2020 8:18	0	0.4
2	3/3/2020 8:33	0	0.5
3	3/3/2020 8:48	0	0.1
4	3/3/2020 9:03	0	0
5	3/3/2020 9:18	0	0
6	3/3/2020 9:33	0	0
7	3/3/2020 9:48	0	0
8	3/3/2020 10:03	0	0
9	3/3/2020 10:18	0	0.1
10	3/3/2020 10:33	0	0.1
11	3/3/2020 10:48	0	0
12	3/3/2020 11:03	0	0
13	3/3/2020 11:18	0	0

14	3/3/2020 11:33	0	0
15	3/3/2020 11:48	0	0
16	3/3/2020 12:03	0	0
17	3/3/2020 12:18	0	0
18	3/3/2020 12:33	0	0
19	3/3/2020 12:48	0	0
20	3/3/2020 13:03	0	0
21	3/3/2020 13:18	0	0
22	3/3/2020 13:33	0	0
23	3/3/2020 13:48	0	0
24	3/3/2020 14:03	0	0
25	3/3/2020 14:18	0	0
26	3/3/2020 14:33	0	0.1
27	3/3/2020 14:48	0	0.2
28	3/3/2020 15:03	0	0.2
29	3/3/2020 15:18	0	0.4
30	3/3/2020 15:33	0	0.5
31	3/3/2020 15:48	0.1	0.5

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20/03/04 07:58
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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-910712
Unit Firmware Ver	V2.20A
Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down
Site ID	12345678
User ID	12345678
Begin	3/4/2020 7:58
End	3/4/2020 15:41
Sample Period(s)	900
Number of Records	30
Sensor	PID(ppm)
Sensor SN	S023030021Q5
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	5
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	1/3/2020 12:41
Peak	1.2
Min	0
Average	0.1

****
Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	3/4/2020 8:13	0	0.1	0
2	3/4/2020 8:28	0	0.1	0
3	3/4/2020 8:43	0	0	0
4	3/4/2020 8:58	0	0	0
5	3/4/2020 9:13	0	0.1	0.1

6	3/4/2020 9:28	0.1	0.1	0.1
7	3/4/2020 9:43	0.1	0.1	0
8	3/4/2020 9:58	0.1	0.1	0.1
9	3/4/2020 10:13	0.1	0.1	0
10	3/4/2020 10:28	0	0.1	0
11	3/4/2020 10:43	0.1	0.2	0.1
12	3/4/2020 10:58	0	0.1	0
13	3/4/2020 11:13	0.1	0.2	0
14	3/4/2020 11:28	0.1	0.3	0.1
15	3/4/2020 11:43	0.1	0.2	0
16	3/4/2020 11:58	0	0.6	0
17	3/4/2020 12:13	0.2	1.2	1.2
18	3/4/2020 12:28	0.9	2	0.2
19	3/4/2020 12:43	0.1	0.2	0.1
20	3/4/2020 12:58	0.1	0.1	0.1
21	3/4/2020 13:13	0	0.1	0.1
22	3/4/2020 13:28	0	0.1	0
23	3/4/2020 13:43	0.2	7.6	0
24	3/4/2020 13:58	0.1	3.8	0
25	3/4/2020 14:13	0	0	0
26	3/4/2020 14:28	0	0.2	0
27	3/4/2020 14:43	0.1	0.9	0.1
28	3/4/2020 14:58	0.1	0.2	0.1
29	3/4/2020 15:13	0.1	1.1	0.1
30	3/4/2020 15:28	0	0.1	0
Peak		0.9	7.6	1.2
Min		0	0	0
Average		0.1	0.7	0.1

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	3/4/2020 8:13	0	0
2	3/4/2020 8:28	0	0
3	3/4/2020 8:43	0	0
4	3/4/2020 8:58	0	0
5	3/4/2020 9:13	0	0.1
6	3/4/2020 9:28	0	0.2
7	3/4/2020 9:43	0	0.1
8	3/4/2020 9:58	0	0.1
9	3/4/2020 10:13	0	0.1
10	3/4/2020 10:28	0	0
11	3/4/2020 10:43	0	0.1
12	3/4/2020 10:58	0	0.1
13	3/4/2020 11:13	0	0
14	3/4/2020 11:28	0	0.1

15	3/4/2020 11:43	0	0.1
16	3/4/2020 11:58	0	0
17	3/4/2020 12:13	0.1	1.2
18	3/4/2020 12:28	0.1	1.4
19	3/4/2020 12:43	0.1	0.3
20	3/4/2020 12:58	0.1	0.2
21	3/4/2020 13:13	0.1	0.2
22	3/4/2020 13:28	0.1	0.1
23	3/4/2020 13:43	0.1	0
24	3/4/2020 13:58	0.1	0
25	3/4/2020 14:13	0.1	0
26	3/4/2020 14:28	0.1	0
27	3/4/2020 14:43	0.1	0.1
28	3/4/2020 14:58	0.1	0.2
29	3/4/2020 15:13	0.1	0.2
30	3/4/2020 15:28	0.1	0.1

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20/03/05 07:45
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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-910712
Unit Firmware Ver	V2.20A

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	12345678
User ID	12345678

Begin	3/5/2020 7:45
End	3/5/2020 12:58
Sample Period(s)	900
Number of Records	20

Sensor	PID(ppm)
Sensor SN	S023030021Q5
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	5
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	1/3/2020 12:41
Peak	0.1
Min	0
Average	0

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Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	3/5/2020 8:00	0	0	0
2	3/5/2020 8:15	0	0	0
3	3/5/2020 8:30	0	0	0
4	3/5/2020 8:45	0	0	0
5	3/5/2020 9:00	0	0	0

	6	3/5/2020 9:15	0	0.1	0
	7	3/5/2020 9:30	0.6	24.1	0.1
	8	3/5/2020 9:45	0.1	0.3	0
	9	3/5/2020 10:00	0.1	1.8	0
	10	3/5/2020 10:15	0	0	0
	11	3/5/2020 10:30	0	2.3	0
	12	3/5/2020 10:45	0	0.1	0.1
	13	3/5/2020 11:00	0	0.1	0
	14	3/5/2020 11:15	0	0.1	0
	15	3/5/2020 11:30	0.1	0.4	0.1
	16	3/5/2020 11:45	0	0.1	0
	17	3/5/2020 12:00	0	0	0
	18	3/5/2020 12:15	0	0	0
	19	3/5/2020 12:30	0	0.1	0
	20	3/5/2020 12:45	0.1	0.2	0.1
Peak			0.6	24.1	0.1
Min			0	0	0
Average			0.1	1.5	0

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TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	3/5/2020 8:00	0	0
2	3/5/2020 8:15	0	0
3	3/5/2020 8:30	0	0
4	3/5/2020 8:45	0	0
5	3/5/2020 9:00	0	0
6	3/5/2020 9:15	0	0
7	3/5/2020 9:30	0	0.1
8	3/5/2020 9:45	0	0.1
9	3/5/2020 10:00	0	0
10	3/5/2020 10:15	0	0
11	3/5/2020 10:30	0	0
12	3/5/2020 10:45	0	0.1
13	3/5/2020 11:00	0	0.1
14	3/5/2020 11:15	0	0
15	3/5/2020 11:30	0	0.1
16	3/5/2020 11:45	0	0.1
17	3/5/2020 12:00	0	0
18	3/5/2020 12:15	0	0
19	3/5/2020 12:30	0	0
20	3/5/2020 12:45	0	0.1

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20/04/01 10:06
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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-918988
Unit Firmware Ver	V2.20A
Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down
Site ID	12345678
User ID	12345678
Begin	4/1/2020 10:06
End	4/1/2020 10:07
Sample Period(s)	60
Number of Records	0
Sensor	PID(ppm)
Sensor SN	S023030089A2
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	100
TWA Alarm	50
Measurement Gas	Isobutylene
Calibration Time	4/1/2020 9:04

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Datalog

0 record.

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20/04/02 07:10
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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-918988
Unit Firmware Ver	V2.20A
Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down
Site ID	12345678
User ID	12345678
Begin	4/2/2020 7:10
End	4/2/2020 15:30
Sample Period(s)	60
Number of Records	500
Sensor	PID(ppm)
Sensor SN	S023030089A2
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	100
TWA Alarm	50
Measurement Gas	Isobutylene
Calibration Time	4/1/2020 9:04
Peak	4.5
Min	0
Average	0.1

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Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	4/2/2020 7:11	0.1	0.1	0.1
2	4/2/2020 7:12	0.1	0.1	0.1
3	4/2/2020 7:13	0.1	0.3	0.1
4	4/2/2020 7:14	0.1	0.2	0.1
5	4/2/2020 7:15	0.2	0.2	0.1

6	4/2/2020 7:16	0.1	0.4	0.1
7	4/2/2020 7:17	0.1	0.2	0.1
8	4/2/2020 7:18	0.1	0.2	0.1
9	4/2/2020 7:19	0.1	0.2	0.2
10	4/2/2020 7:20	0.1	0.2	0.2
11	4/2/2020 7:21	0.2	0.2	0.2
12	4/2/2020 7:22	0.2	0.3	0.2
13	4/2/2020 7:23	0.2	0.2	0.1
14	4/2/2020 7:24	0.1	0.2	0.2
15	4/2/2020 7:25	0.2	0.3	0.2
16	4/2/2020 7:26	0.2	0.2	0.2
17	4/2/2020 7:27	0.2	0.2	0.2
18	4/2/2020 7:28	0.2	0.3	0.2
19	4/2/2020 7:29	0.2	0.2	0.1
20	4/2/2020 7:30	0.1	0.1	0.1
21	4/2/2020 7:31	0.1	0.1	0.1
22	4/2/2020 7:32	0.1	0.1	0
23	4/2/2020 7:33	0.1	0.7	0.1
24	4/2/2020 7:34	0.3	1.1	0.1
25	4/2/2020 7:35	0.1	0.1	0
26	4/2/2020 7:36	0	0.1	0
27	4/2/2020 7:37	0	0.1	0
28	4/2/2020 7:38	0	0	0
29	4/2/2020 7:39	0	0	0
30	4/2/2020 7:40	0	0	0
31	4/2/2020 7:41	0	0	0
32	4/2/2020 7:42	0	0	0
33	4/2/2020 7:43	0	0	0
34	4/2/2020 7:44	0	0.1	0.1
35	4/2/2020 7:45	0	0.1	0
36	4/2/2020 7:46	0	0	0
37	4/2/2020 7:47	0	0	0
38	4/2/2020 7:48	0	0	0
39	4/2/2020 7:49	0.1	0.2	0.1
40	4/2/2020 7:50	0.1	0.2	0.1
41	4/2/2020 7:51	0.2	0.3	0.2
42	4/2/2020 7:52	0.2	0.3	0.2
43	4/2/2020 7:53	0.4	0.7	0.6
44	4/2/2020 7:54	1.3	2.4	1.5
45	4/2/2020 7:55	1.1	1.4	0.9
46	4/2/2020 7:56	0.8	0.9	0.6
47	4/2/2020 7:57	0.9	1	0.9
48	4/2/2020 7:58	0.7	0.9	0.7
49	4/2/2020 7:59	0.6	0.7	0.4
50	4/2/2020 8:00	0.4	0.5	0.2
51	4/2/2020 8:01	0.3	0.5	0.4
52	4/2/2020 8:02	0.2	0.4	0.2

53	4/2/2020 8:03	0.2	0.3	0.2
54	4/2/2020 8:04	0.1	0.2	0.1
55	4/2/2020 8:05	0.1	0.2	0.2
56	4/2/2020 8:06	0.1	0.2	0.1
57	4/2/2020 8:07	0.1	0.1	0.1
58	4/2/2020 8:08	0.1	0.2	0.2
59	4/2/2020 8:09	0.2	0.2	0.2
60	4/2/2020 8:10	0.2	0.2	0.2
61	4/2/2020 8:11	0.2	0.3	0.3
62	4/2/2020 8:12	0.3	0.3	0.1
63	4/2/2020 8:13	0.1	0.2	0.2
64	4/2/2020 8:14	0.2	0.2	0.1
65	4/2/2020 8:15	0.1	0.2	0.1
66	4/2/2020 8:16	0.2	0.2	0.2
67	4/2/2020 8:17	0.2	0.3	0.2
68	4/2/2020 8:18	0.2	0.3	0.3
69	4/2/2020 8:19	0.2	0.3	0.2
70	4/2/2020 8:20	0.2	0.2	0.2
71	4/2/2020 8:21	0.1	0.2	0.1
72	4/2/2020 8:22	0.1	0.3	0.3
73	4/2/2020 8:23	0.4	2.8	2.1
74	4/2/2020 8:24	2	3.2	0.3
75	4/2/2020 8:25	0.8	1.5	0.5
76	4/2/2020 8:26	0.3	0.7	0.2
77	4/2/2020 8:27	0.3	0.5	0.4
78	4/2/2020 8:28	0.9	1.5	1
79	4/2/2020 8:29	0.7	1	0.7
80	4/2/2020 8:30	0.6	0.8	0.3
81	4/2/2020 8:31	0.3	0.5	0.3
82	4/2/2020 8:32	0.3	0.4	0.3
83	4/2/2020 8:33	0.3	0.4	0.2
84	4/2/2020 8:34	0.2	0.3	0.2
85	4/2/2020 8:35	0.2	0.2	0.2
86	4/2/2020 8:36	0.2	0.3	0.1
87	4/2/2020 8:37	0.1	0.3	0.1
88	4/2/2020 8:38	0.2	0.3	0.2
89	4/2/2020 8:39	0.2	0.2	0.1
90	4/2/2020 8:40	0.1	0.1	0.1
91	4/2/2020 8:41	0.1	0.1	0
92	4/2/2020 8:42	1.2	5.2	0.1
93	4/2/2020 8:43	0	0.1	0
94	4/2/2020 8:44	0	0	0
95	4/2/2020 8:45	0.1	0.8	0
96	4/2/2020 8:46	0.4	1.7	0.1
97	4/2/2020 8:47	0	0.1	0
98	4/2/2020 8:48	0	0.1	0
99	4/2/2020 8:49	0	0	0

100	4/2/2020 8:50	0.1	1.2	1.2
101	4/2/2020 8:51	0.7	1.5	0.3
102	4/2/2020 8:52	0.1	0.3	0.2
103	4/2/2020 8:53	0.1	0.2	0
104	4/2/2020 8:54	0	0.1	0
105	4/2/2020 8:55	0	0.1	0.1
106	4/2/2020 8:56	0.1	0.3	0
107	4/2/2020 8:57	0	0.1	0
108	4/2/2020 8:58	0	0	0
109	4/2/2020 8:59	0	0.1	0
110	4/2/2020 9:00	0	0.1	0.1
111	4/2/2020 9:01	0	0.2	0
112	4/2/2020 9:02	0	0	0
113	4/2/2020 9:03	0	0.1	0
114	4/2/2020 9:04	0	0	0
115	4/2/2020 9:05	0	0	0
116	4/2/2020 9:06	0	0	0
117	4/2/2020 9:07	0	0	0
118	4/2/2020 9:08	0	0	0
119	4/2/2020 9:09	0	0	0
120	4/2/2020 9:10	0	0	0
121	4/2/2020 9:11	0	0	0
122	4/2/2020 9:12	0	0	0
123	4/2/2020 9:13	0	0	0
124	4/2/2020 9:14	0	0	0
125	4/2/2020 9:15	0	0	0
126	4/2/2020 9:16	0	0	0
127	4/2/2020 9:17	0	0	0
128	4/2/2020 9:18	0	0	0
129	4/2/2020 9:19	0	0	0
130	4/2/2020 9:20	0	0	0
131	4/2/2020 9:21	0	0	0
132	4/2/2020 9:22	0	0	0
133	4/2/2020 9:23	0	0	0
134	4/2/2020 9:24	0	0	0
135	4/2/2020 9:25	0	0	0
136	4/2/2020 9:26	0	0	0
137	4/2/2020 9:27	0	0	0
138	4/2/2020 9:28	0	0	0
139	4/2/2020 9:29	0	0	0
140	4/2/2020 9:30	0	0	0
141	4/2/2020 9:31	0.1	0.3	0.1
142	4/2/2020 9:32	0	0.1	0
143	4/2/2020 9:33	0	0	0
144	4/2/2020 9:34	0	0	0
145	4/2/2020 9:35	0	0	0
146	4/2/2020 9:36	0	0	0

147	4/2/2020 9:37	0	0	0
148	4/2/2020 9:38	0	0	0
149	4/2/2020 9:39	0	0	0
150	4/2/2020 9:40	0	0	0
151	4/2/2020 9:41	0	0	0
152	4/2/2020 9:42	0	0	0
153	4/2/2020 9:43	0	0	0
154	4/2/2020 9:44	0	0	0
155	4/2/2020 9:45	0	0	0
156	4/2/2020 9:46	0	0	0
157	4/2/2020 9:47	0	0	0
158	4/2/2020 9:48	0	0	0
159	4/2/2020 9:49	0	0	0
160	4/2/2020 9:50	0	0	0
161	4/2/2020 9:51	0	0	0
162	4/2/2020 9:52	0	0	0
163	4/2/2020 9:53	0	0	0
164	4/2/2020 9:54	0	0	0
165	4/2/2020 9:55	0	0	0
166	4/2/2020 9:56	0	0	0
167	4/2/2020 9:57	0	0	0
168	4/2/2020 9:58	0	0	0
169	4/2/2020 9:59	0	0	0
170	4/2/2020 10:00	0	0	0
171	4/2/2020 10:01	0	0	0
172	4/2/2020 10:02	0	0	0
173	4/2/2020 10:03	0	0	0
174	4/2/2020 10:04	0	0	0
175	4/2/2020 10:05	0	0	0
176	4/2/2020 10:06	0	0	0
177	4/2/2020 10:07	0	0	0
178	4/2/2020 10:08	0	0	0
179	4/2/2020 10:09	0	0	0
180	4/2/2020 10:10	0	0	0
181	4/2/2020 10:11	0	0	0
182	4/2/2020 10:12	0	0	0
183	4/2/2020 10:13	0	0	0
184	4/2/2020 10:14	0	0	0
185	4/2/2020 10:15	0	0	0
186	4/2/2020 10:16	0	0	0
187	4/2/2020 10:17	0	0	0
188	4/2/2020 10:18	0	0	0
189	4/2/2020 10:19	0	0	0
190	4/2/2020 10:20	0	0	0
191	4/2/2020 10:21	0	0	0
192	4/2/2020 10:22	0	0	0
193	4/2/2020 10:23	0	0	0

194	4/2/2020 10:24	0	0	0
195	4/2/2020 10:25	0	0	0
196	4/2/2020 10:26	0	0	0
197	4/2/2020 10:27	0	0	0
198	4/2/2020 10:28	0	0	0
199	4/2/2020 10:29	0	0	0
200	4/2/2020 10:30	0	0	0
201	4/2/2020 10:31	0	0	0
202	4/2/2020 10:32	0	0	0
203	4/2/2020 10:33	0	0	0
204	4/2/2020 10:34	0	0	0
205	4/2/2020 10:35	0	0	0
206	4/2/2020 10:36	0	0	0
207	4/2/2020 10:37	0	0	0
208	4/2/2020 10:38	0	0	0
209	4/2/2020 10:39	0	0	0
210	4/2/2020 10:40	0	0	0
211	4/2/2020 10:41	0	0	0
212	4/2/2020 10:42	0	0	0
213	4/2/2020 10:43	0	0	0
214	4/2/2020 10:44	0	0	0
215	4/2/2020 10:45	0	0	0
216	4/2/2020 10:46	0	0	0
217	4/2/2020 10:47	0	0	0
218	4/2/2020 10:48	0	0	0
219	4/2/2020 10:49	0	0	0
220	4/2/2020 10:50	0	0	0
221	4/2/2020 10:51	0	0	0
222	4/2/2020 10:52	0	0	0
223	4/2/2020 10:53	0	0	0
224	4/2/2020 10:54	0	0	0
225	4/2/2020 10:55	0	0	0
226	4/2/2020 10:56	0	0	0
227	4/2/2020 10:57	0	0	0
228	4/2/2020 10:58	0	0	0
229	4/2/2020 10:59	0	0	0
230	4/2/2020 11:00	0	0	0
231	4/2/2020 11:01	0	0	0
232	4/2/2020 11:02	0	0	0
233	4/2/2020 11:03	0	0	0
234	4/2/2020 11:04	0	0	0
235	4/2/2020 11:05	0	0	0
236	4/2/2020 11:06	0	0	0
237	4/2/2020 11:07	0	0	0
238	4/2/2020 11:08	0	0	0
239	4/2/2020 11:09	0	0	0
240	4/2/2020 11:10	0	0	0

241	4/2/2020 11:11	0	0	0
242	4/2/2020 11:12	0	0	0
243	4/2/2020 11:13	1.5	2.7	2.2
244	4/2/2020 11:14	1.8	2.6	1.4
245	4/2/2020 11:15	0.9	1.3	0.7
246	4/2/2020 11:16	0.7	0.8	0.7
247	4/2/2020 11:17	0.4	0.7	0.3
248	4/2/2020 11:18	0.2	0.4	0.1
249	4/2/2020 11:19	0.1	0.2	0.2
250	4/2/2020 11:20	0.1	0.3	0
251	4/2/2020 11:21	0	0.1	0.1
252	4/2/2020 11:22	0	0.1	0
253	4/2/2020 11:23	0	0.1	0
254	4/2/2020 11:24	0	0	0
255	4/2/2020 11:25	0	0	0
256	4/2/2020 11:26	0	0	0
257	4/2/2020 11:27	0	0	0
258	4/2/2020 11:28	0	0	0
259	4/2/2020 11:29	0	0	0
260	4/2/2020 11:30	0	0	0
261	4/2/2020 11:31	0	0	0
262	4/2/2020 11:32	0	0	0
263	4/2/2020 11:33	0	0	0
264	4/2/2020 11:34	0	0	0
265	4/2/2020 11:35	0	0	0
266	4/2/2020 11:36	0.7	2.3	1.3
267	4/2/2020 11:37	1.2	2.2	1.4
268	4/2/2020 11:38	1.5	2.5	2.3
269	4/2/2020 11:39	1.6	2.1	1
270	4/2/2020 11:40	1	1.2	0.7
271	4/2/2020 11:41	0.5	0.7	0.4
272	4/2/2020 11:42	0.4	0.5	0.3
273	4/2/2020 11:43	0.2	0.3	0.2
274	4/2/2020 11:44	0.2	0.9	0.8
275	4/2/2020 11:45	1.4	3.4	3.4
276	4/2/2020 11:46	2.1	3.6	1.6
277	4/2/2020 11:47	1.8	2.4	2.1
278	4/2/2020 11:48	2	4.6	4.5
279	4/2/2020 11:49	2.5	4.5	1.9
280	4/2/2020 11:50	1.8	2	1.6
281	4/2/2020 11:51	1	1.5	0.8
282	4/2/2020 11:52	0.6	0.7	0.5
283	4/2/2020 11:53	1.1	2.3	0.5
284	4/2/2020 11:54	0.6	1.4	0.4
285	4/2/2020 11:55	0.4	0.7	0.2
286	4/2/2020 11:56	0.1	0.2	0.1
287	4/2/2020 11:57	0.3	0.6	0.1

288	4/2/2020 11:58	0.3	0.5	0.3
289	4/2/2020 11:59	0.1	0.3	0.1
290	4/2/2020 12:00	0	0.1	0
291	4/2/2020 12:01	0	0.1	0
292	4/2/2020 12:02	0	0.3	0.2
293	4/2/2020 12:03	0	0.2	0
294	4/2/2020 12:04	0	0	0
295	4/2/2020 12:05	0	0.2	0
296	4/2/2020 12:06	0	0.1	0
297	4/2/2020 12:07	0	0.2	0
298	4/2/2020 12:08	0	0.2	0.2
299	4/2/2020 12:09	0.1	0.4	0.1
300	4/2/2020 12:10	0	0.1	0
301	4/2/2020 12:11	0	0	0
302	4/2/2020 12:12	0	0.1	0
303	4/2/2020 12:13	0	0	0
304	4/2/2020 12:14	0	0	0
305	4/2/2020 12:15	0	0	0
306	4/2/2020 12:16	0	0.1	0
307	4/2/2020 12:17	0	0	0
308	4/2/2020 12:18	0	0	0
309	4/2/2020 12:19	0	0.1	0.1
310	4/2/2020 12:20	0	0.1	0
311	4/2/2020 12:21	0	0.1	0
312	4/2/2020 12:22	0	0	0
313	4/2/2020 12:23	0	0	0
314	4/2/2020 12:24	0	0	0
315	4/2/2020 12:25	0.2	1.7	1.1
316	4/2/2020 12:26	0.8	3.4	1.4
317	4/2/2020 12:27	0.5	1.6	0.8
318	4/2/2020 12:28	0.3	1.1	0.1
319	4/2/2020 12:29	0.4	1.5	0.1
320	4/2/2020 12:30	0	0.1	0
321	4/2/2020 12:31	0	0	0
322	4/2/2020 12:32	0.1	0.4	0.1
323	4/2/2020 12:33	0.4	1	0.2
324	4/2/2020 12:34	0.2	0.4	0
325	4/2/2020 12:35	0	0.2	0
326	4/2/2020 12:36	0	0	0
327	4/2/2020 12:37	0.1	0.3	0
328	4/2/2020 12:38	0	0	0
329	4/2/2020 12:39	0	0.4	0
330	4/2/2020 12:40	0	0	0
331	4/2/2020 12:41	0.1	0.6	0
332	4/2/2020 12:42	0	0	0
333	4/2/2020 12:43	0	0	0
334	4/2/2020 12:44	0.1	0.7	0

335	4/2/2020 12:45	0	0	0
336	4/2/2020 12:46	0	0	0
337	4/2/2020 12:47	0	0	0
338	4/2/2020 12:48	0	0	0
339	4/2/2020 12:49	0	0	0
340	4/2/2020 12:50	0	0	0
341	4/2/2020 12:51	0	0	0
342	4/2/2020 12:52	0	0	0
343	4/2/2020 12:53	0	0.1	0
344	4/2/2020 12:54	0	0	0
345	4/2/2020 12:55	0	0.1	0
346	4/2/2020 12:56	0	0	0
347	4/2/2020 12:57	0	0	0
348	4/2/2020 12:58	0.1	0.2	0
349	4/2/2020 12:59	0	0.1	0
350	4/2/2020 13:00	0	0	0
351	4/2/2020 13:01	0	0	0
352	4/2/2020 13:02	0	0	0
353	4/2/2020 13:03	0	0	0
354	4/2/2020 13:04	0	0	0
355	4/2/2020 13:05	0	0	0
356	4/2/2020 13:06	0.1	0.3	0.1
357	4/2/2020 13:07	0	0.1	0
358	4/2/2020 13:08	0.1	0.2	0.1
359	4/2/2020 13:09	0	0.1	0
360	4/2/2020 13:10	0	0	0
361	4/2/2020 13:11	0.1	0.3	0.1
362	4/2/2020 13:12	0.2	0.6	0.1
363	4/2/2020 13:13	0.2	0.4	0.1
364	4/2/2020 13:14	0.1	0.5	0
365	4/2/2020 13:15	0	0.1	0
366	4/2/2020 13:16	0	0	0
367	4/2/2020 13:17	0	0	0
368	4/2/2020 13:18	0.1	0.5	0
369	4/2/2020 13:19	0.2	0.7	0.6
370	4/2/2020 13:20	0.1	0.6	0
371	4/2/2020 13:21	0	0	0
372	4/2/2020 13:22	0	0	0
373	4/2/2020 13:23	0	0	0
374	4/2/2020 13:24	0	0.1	0
375	4/2/2020 13:25	0.1	0.1	0
376	4/2/2020 13:26	0	0	0
377	4/2/2020 13:27	0.2	1.2	0
378	4/2/2020 13:28	0	0	0
379	4/2/2020 13:29	0.1	0.2	0.1
380	4/2/2020 13:30	0.2	0.3	0.2
381	4/2/2020 13:31	0.1	0.3	0

382	4/2/2020 13:32	0	0	0
383	4/2/2020 13:33	0	0	0
384	4/2/2020 13:34	0	0	0
385	4/2/2020 13:35	0	0	0
386	4/2/2020 13:36	0	0.2	0
387	4/2/2020 13:37	0	0	0
388	4/2/2020 13:38	0	0	0
389	4/2/2020 13:39	0	0	0
390	4/2/2020 13:40	0	0	0
391	4/2/2020 13:41	0	0	0
392	4/2/2020 13:42	0	0	0
393	4/2/2020 13:43	0	0	0
394	4/2/2020 13:44	0	0	0
395	4/2/2020 13:45	0	0	0
396	4/2/2020 13:46	0	0	0
397	4/2/2020 13:47	0	0	0
398	4/2/2020 13:48	0	0	0
399	4/2/2020 13:49	0	0	0
400	4/2/2020 13:50	0	0	0
401	4/2/2020 13:51	0	0	0
402	4/2/2020 13:52	0	0	0
403	4/2/2020 13:53	0	0	0
404	4/2/2020 13:54	0	0	0
405	4/2/2020 13:55	0	0	0
406	4/2/2020 13:56	0	0	0
407	4/2/2020 13:57	0	0	0
408	4/2/2020 13:58	0	0	0
409	4/2/2020 13:59	0	0.1	0.1
410	4/2/2020 14:00	0.1	0.1	0.1
411	4/2/2020 14:01	0.2	0.3	0.2
412	4/2/2020 14:02	0.2	0.3	0.2
413	4/2/2020 14:03	0.2	0.2	0.1
414	4/2/2020 14:04	0.3	0.5	0.5
415	4/2/2020 14:05	0.4	0.5	0.4
416	4/2/2020 14:06	0.3	0.4	0.4
417	4/2/2020 14:07	0.3	0.4	0.2
418	4/2/2020 14:08	0.2	0.2	0.2
419	4/2/2020 14:09	0.3	0.5	0.5
420	4/2/2020 14:10	0.4	0.7	0.7
421	4/2/2020 14:11	0.5	0.7	0.6
422	4/2/2020 14:12	0.5	0.8	0.5
423	4/2/2020 14:13	0.3	0.5	0.3
424	4/2/2020 14:14	0.1	0.2	0.1
425	4/2/2020 14:15	0	0.1	0.1
426	4/2/2020 14:16	0	0.2	0
427	4/2/2020 14:17	0.1	0.1	0
428	4/2/2020 14:18	0	0	0

429	4/2/2020 14:19	0	0.1	0.1
430	4/2/2020 14:20	0	0.1	0
431	4/2/2020 14:21	0	0	0
432	4/2/2020 14:22	0	0	0
433	4/2/2020 14:23	0	0.1	0
434	4/2/2020 14:24	0	0	0
435	4/2/2020 14:25	0	0.4	0
436	4/2/2020 14:26	0	0.1	0
437	4/2/2020 14:27	0	0	0
438	4/2/2020 14:28	0	0	0
439	4/2/2020 14:29	0.1	0.3	0
440	4/2/2020 14:30	0	0	0
441	4/2/2020 14:31	0	0	0
442	4/2/2020 14:32	0	0	0
443	4/2/2020 14:33	0	0	0
444	4/2/2020 14:34	0	0	0
445	4/2/2020 14:35	0	0	0
446	4/2/2020 14:36	0	0	0
447	4/2/2020 14:37	0	0	0
448	4/2/2020 14:38	0	0	0
449	4/2/2020 14:39	0	0	0
450	4/2/2020 14:40	0	0	0
451	4/2/2020 14:41	0	0	0
452	4/2/2020 14:42	0	0	0
453	4/2/2020 14:43	0	0	0
454	4/2/2020 14:44	0	0	0
455	4/2/2020 14:45	0	0	0
456	4/2/2020 14:46	0	0	0
457	4/2/2020 14:47	0	0.1	0
458	4/2/2020 14:48	0	0	0
459	4/2/2020 14:49	0.2	0.8	0
460	4/2/2020 14:50	0	0	0
461	4/2/2020 14:51	0	0	0
462	4/2/2020 14:52	0	0	0
463	4/2/2020 14:53	0	0	0
464	4/2/2020 14:54	0	0	0
465	4/2/2020 14:55	0	0	0
466	4/2/2020 14:56	0	0	0
467	4/2/2020 14:57	0	0	0
468	4/2/2020 14:58	0	0	0
469	4/2/2020 14:59	0	0	0
470	4/2/2020 15:00	0	0	0
471	4/2/2020 15:01	0	0	0
472	4/2/2020 15:02	0	0	0
473	4/2/2020 15:03	0	0	0
474	4/2/2020 15:04	0	0	0
475	4/2/2020 15:05	0	0	0

	476	4/2/2020 15:06	0	0	0
	477	4/2/2020 15:07	0	0	0
	478	4/2/2020 15:08	0	0	0
	479	4/2/2020 15:09	0	0	0
	480	4/2/2020 15:10	0	0	0
	481	4/2/2020 15:11	0	0	0
	482	4/2/2020 15:12	0	0	0
	483	4/2/2020 15:13	0	0	0
	484	4/2/2020 15:14	0	0	0
	485	4/2/2020 15:15	0	0	0
	486	4/2/2020 15:16	0	0	0
	487	4/2/2020 15:17	0	0	0
	488	4/2/2020 15:18	0	0	0
	489	4/2/2020 15:19	0	0	0
	490	4/2/2020 15:20	0	0	0
	491	4/2/2020 15:21	0	0	0
	492	4/2/2020 15:22	0	0	0
	493	4/2/2020 15:23	0	0	0
	494	4/2/2020 15:24	0	0	0
	495	4/2/2020 15:25	0	0	0
	496	4/2/2020 15:26	0	0	0
	497	4/2/2020 15:27	0	0	0
	498	4/2/2020 15:28	0	0	0
	499	4/2/2020 15:29	0	0	0
	500	4/2/2020 15:30	0	0	0
Peak			2.5	5.2	4.5
Min			0	0	0
Average			0.1	0.3	0.1

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	4/2/2020 7:11	0	---
2	4/2/2020 7:12	0	---
3	4/2/2020 7:13	0	---
4	4/2/2020 7:14	0	---
5	4/2/2020 7:15	0	---
6	4/2/2020 7:16	0	---
7	4/2/2020 7:17	0	---
8	4/2/2020 7:18	0	---
9	4/2/2020 7:19	0	---
10	4/2/2020 7:20	0	---
11	4/2/2020 7:21	0	---
12	4/2/2020 7:22	0	---
13	4/2/2020 7:23	0	---
14	4/2/2020 7:24	0	---

15	4/2/2020 7:25	0	0.1
16	4/2/2020 7:26	0	0.2
17	4/2/2020 7:27	0	0.2
18	4/2/2020 7:28	0	0.2
19	4/2/2020 7:29	0	0.2
20	4/2/2020 7:30	0	0.2
21	4/2/2020 7:31	0	0.2
22	4/2/2020 7:32	0	0.2
23	4/2/2020 7:33	0	0.2
24	4/2/2020 7:34	0	0.2
25	4/2/2020 7:35	0	0.1
26	4/2/2020 7:36	0	0.1
27	4/2/2020 7:37	0	0.1
28	4/2/2020 7:38	0	0.1
29	4/2/2020 7:39	0	0.1
30	4/2/2020 7:40	0	0.1
31	4/2/2020 7:41	0	0.1
32	4/2/2020 7:42	0	0.1
33	4/2/2020 7:43	0	0
34	4/2/2020 7:44	0	0
35	4/2/2020 7:45	0	0
36	4/2/2020 7:46	0	0
37	4/2/2020 7:47	0	0
38	4/2/2020 7:48	0	0
39	4/2/2020 7:49	0	0
40	4/2/2020 7:50	0	0
41	4/2/2020 7:51	0	0
42	4/2/2020 7:52	0	0
43	4/2/2020 7:53	0	0.1
44	4/2/2020 7:54	0	0.2
45	4/2/2020 7:55	0	0.2
46	4/2/2020 7:56	0	0.3
47	4/2/2020 7:57	0	0.3
48	4/2/2020 7:58	0	0.4
49	4/2/2020 7:59	0	0.4
50	4/2/2020 8:00	0	0.4
51	4/2/2020 8:01	0	0.5
52	4/2/2020 8:02	0	0.5
53	4/2/2020 8:03	0	0.5
54	4/2/2020 8:04	0	0.5
55	4/2/2020 8:05	0	0.5
56	4/2/2020 8:06	0	0.5
57	4/2/2020 8:07	0	0.5
58	4/2/2020 8:08	0	0.5
59	4/2/2020 8:09	0	0.5
60	4/2/2020 8:10	0	0.4
61	4/2/2020 8:11	0	0.3

62	4/2/2020 8:12	0	0.3
63	4/2/2020 8:13	0	0.3
64	4/2/2020 8:14	0	0.2
65	4/2/2020 8:15	0	0.2
66	4/2/2020 8:16	0	0.2
67	4/2/2020 8:17	0	0.2
68	4/2/2020 8:18	0	0.2
69	4/2/2020 8:19	0	0.2
70	4/2/2020 8:20	0	0.2
71	4/2/2020 8:21	0	0.2
72	4/2/2020 8:22	0	0.2
73	4/2/2020 8:23	0	0.3
74	4/2/2020 8:24	0	0.3
75	4/2/2020 8:25	0	0.4
76	4/2/2020 8:26	0	0.4
77	4/2/2020 8:27	0	0.4
78	4/2/2020 8:28	0	0.4
79	4/2/2020 8:29	0	0.5
80	4/2/2020 8:30	0	0.5
81	4/2/2020 8:31	0	0.5
82	4/2/2020 8:32	0	0.5
83	4/2/2020 8:33	0	0.5
84	4/2/2020 8:34	0	0.5
85	4/2/2020 8:35	0	0.5
86	4/2/2020 8:36	0	0.5
87	4/2/2020 8:37	0	0.5
88	4/2/2020 8:38	0	0.5
89	4/2/2020 8:39	0	0.3
90	4/2/2020 8:40	0	0.3
91	4/2/2020 8:41	0	0.3
92	4/2/2020 8:42	0	0.3
93	4/2/2020 8:43	0	0.3
94	4/2/2020 8:44	0	0.2
95	4/2/2020 8:45	0	0.1
96	4/2/2020 8:46	0	0.1
97	4/2/2020 8:47	0	0.1
98	4/2/2020 8:48	0	0.1
99	4/2/2020 8:49	0	0.1
100	4/2/2020 8:50	0	0.1
101	4/2/2020 8:51	0	0.2
102	4/2/2020 8:52	0	0.2
103	4/2/2020 8:53	0	0.2
104	4/2/2020 8:54	0	0.1
105	4/2/2020 8:55	0	0.1
106	4/2/2020 8:56	0	0.1
107	4/2/2020 8:57	0	0.1
108	4/2/2020 8:58	0	0.1

109	4/2/2020 8:59	0	0.1
110	4/2/2020 9:00	0	0.1
111	4/2/2020 9:01	0	0.1
112	4/2/2020 9:02	0	0.1
113	4/2/2020 9:03	0	0.1
114	4/2/2020 9:04	0	0.1
115	4/2/2020 9:05	0	0.1
116	4/2/2020 9:06	0	0
117	4/2/2020 9:07	0	0
118	4/2/2020 9:08	0	0
119	4/2/2020 9:09	0	0
120	4/2/2020 9:10	0	0
121	4/2/2020 9:11	0	0
122	4/2/2020 9:12	0	0
123	4/2/2020 9:13	0	0
124	4/2/2020 9:14	0	0
125	4/2/2020 9:15	0	0
126	4/2/2020 9:16	0	0
127	4/2/2020 9:17	0	0
128	4/2/2020 9:18	0	0
129	4/2/2020 9:19	0	0
130	4/2/2020 9:20	0	0
131	4/2/2020 9:21	0	0
132	4/2/2020 9:22	0	0
133	4/2/2020 9:23	0	0
134	4/2/2020 9:24	0	0
135	4/2/2020 9:25	0	0
136	4/2/2020 9:26	0	0
137	4/2/2020 9:27	0	0
138	4/2/2020 9:28	0	0
139	4/2/2020 9:29	0	0
140	4/2/2020 9:30	0	0
141	4/2/2020 9:31	0	0
142	4/2/2020 9:32	0	0
143	4/2/2020 9:33	0	0
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145	4/2/2020 9:35	0	0
146	4/2/2020 9:36	0	0
147	4/2/2020 9:37	0	0
148	4/2/2020 9:38	0	0
149	4/2/2020 9:39	0	0
150	4/2/2020 9:40	0	0
151	4/2/2020 9:41	0	0
152	4/2/2020 9:42	0	0
153	4/2/2020 9:43	0	0
154	4/2/2020 9:44	0	0
155	4/2/2020 9:45	0	0

156	4/2/2020 9:46	0	0
157	4/2/2020 9:47	0	0
158	4/2/2020 9:48	0	0
159	4/2/2020 9:49	0	0
160	4/2/2020 9:50	0	0
161	4/2/2020 9:51	0	0
162	4/2/2020 9:52	0	0
163	4/2/2020 9:53	0	0
164	4/2/2020 9:54	0	0
165	4/2/2020 9:55	0	0
166	4/2/2020 9:56	0	0
167	4/2/2020 9:57	0	0
168	4/2/2020 9:58	0	0
169	4/2/2020 9:59	0	0
170	4/2/2020 10:00	0	0
171	4/2/2020 10:01	0	0
172	4/2/2020 10:02	0	0
173	4/2/2020 10:03	0	0
174	4/2/2020 10:04	0	0
175	4/2/2020 10:05	0	0
176	4/2/2020 10:06	0	0
177	4/2/2020 10:07	0	0
178	4/2/2020 10:08	0	0
179	4/2/2020 10:09	0	0
180	4/2/2020 10:10	0	0
181	4/2/2020 10:11	0	0
182	4/2/2020 10:12	0	0
183	4/2/2020 10:13	0	0
184	4/2/2020 10:14	0	0
185	4/2/2020 10:15	0	0
186	4/2/2020 10:16	0	0
187	4/2/2020 10:17	0	0
188	4/2/2020 10:18	0	0
189	4/2/2020 10:19	0	0
190	4/2/2020 10:20	0	0
191	4/2/2020 10:21	0	0
192	4/2/2020 10:22	0	0
193	4/2/2020 10:23	0	0
194	4/2/2020 10:24	0	0
195	4/2/2020 10:25	0	0
196	4/2/2020 10:26	0	0
197	4/2/2020 10:27	0	0
198	4/2/2020 10:28	0	0
199	4/2/2020 10:29	0	0
200	4/2/2020 10:30	0	0
201	4/2/2020 10:31	0	0
202	4/2/2020 10:32	0	0

203	4/2/2020 10:33	0	0
204	4/2/2020 10:34	0	0
205	4/2/2020 10:35	0	0
206	4/2/2020 10:36	0	0
207	4/2/2020 10:37	0	0
208	4/2/2020 10:38	0	0
209	4/2/2020 10:39	0	0
210	4/2/2020 10:40	0	0
211	4/2/2020 10:41	0	0
212	4/2/2020 10:42	0	0
213	4/2/2020 10:43	0	0
214	4/2/2020 10:44	0	0
215	4/2/2020 10:45	0	0
216	4/2/2020 10:46	0	0
217	4/2/2020 10:47	0	0
218	4/2/2020 10:48	0	0
219	4/2/2020 10:49	0	0
220	4/2/2020 10:50	0	0
221	4/2/2020 10:51	0	0
222	4/2/2020 10:52	0	0
223	4/2/2020 10:53	0	0
224	4/2/2020 10:54	0	0
225	4/2/2020 10:55	0	0
226	4/2/2020 10:56	0	0
227	4/2/2020 10:57	0	0
228	4/2/2020 10:58	0	0
229	4/2/2020 10:59	0	0
230	4/2/2020 11:00	0	0
231	4/2/2020 11:01	0	0
232	4/2/2020 11:02	0	0
233	4/2/2020 11:03	0	0
234	4/2/2020 11:04	0	0
235	4/2/2020 11:05	0	0
236	4/2/2020 11:06	0	0
237	4/2/2020 11:07	0	0
238	4/2/2020 11:08	0	0
239	4/2/2020 11:09	0	0
240	4/2/2020 11:10	0	0
241	4/2/2020 11:11	0	0
242	4/2/2020 11:12	0	0
243	4/2/2020 11:13	0.1	0.1
244	4/2/2020 11:14	0.1	0.2
245	4/2/2020 11:15	0.1	0.3
246	4/2/2020 11:16	0.1	0.3
247	4/2/2020 11:17	0.1	0.4
248	4/2/2020 11:18	0.1	0.4
249	4/2/2020 11:19	0.1	0.4

250	4/2/2020 11:20	0.1	0.4
251	4/2/2020 11:21	0.1	0.4
252	4/2/2020 11:22	0.1	0.4
253	4/2/2020 11:23	0.1	0.4
254	4/2/2020 11:24	0.1	0.4
255	4/2/2020 11:25	0.1	0.4
256	4/2/2020 11:26	0.1	0.4
257	4/2/2020 11:27	0.1	0.4
258	4/2/2020 11:28	0.1	0.4
259	4/2/2020 11:29	0.1	0.2
260	4/2/2020 11:30	0.1	0.1
261	4/2/2020 11:31	0.1	0.1
262	4/2/2020 11:32	0.1	0
263	4/2/2020 11:33	0.1	0
264	4/2/2020 11:34	0.1	0
265	4/2/2020 11:35	0.1	0
266	4/2/2020 11:36	0.1	0.1
267	4/2/2020 11:37	0.1	0.2
268	4/2/2020 11:38	0.1	0.3
269	4/2/2020 11:39	0.1	0.4
270	4/2/2020 11:40	0.1	0.4
271	4/2/2020 11:41	0.1	0.5
272	4/2/2020 11:42	0.1	0.5
273	4/2/2020 11:43	0.1	0.5
274	4/2/2020 11:44	0.1	0.6
275	4/2/2020 11:45	0.1	0.8
276	4/2/2020 11:46	0.1	0.9
277	4/2/2020 11:47	0.1	1
278	4/2/2020 11:48	0.1	1.3
279	4/2/2020 11:49	0.1	1.5
280	4/2/2020 11:50	0.1	1.6
281	4/2/2020 11:51	0.1	1.6
282	4/2/2020 11:52	0.1	1.6
283	4/2/2020 11:53	0.1	1.5
284	4/2/2020 11:54	0.1	1.4
285	4/2/2020 11:55	0.1	1.3
286	4/2/2020 11:56	0.1	1.3
287	4/2/2020 11:57	0.1	1.3
288	4/2/2020 11:58	0.1	1.3
289	4/2/2020 11:59	0.1	1.3
290	4/2/2020 12:00	0.1	1.2
291	4/2/2020 12:01	0.1	1
292	4/2/2020 12:02	0.1	0.9
293	4/2/2020 12:03	0.1	0.7
294	4/2/2020 12:04	0.1	0.4
295	4/2/2020 12:05	0.1	0.3
296	4/2/2020 12:06	0.1	0.2

297	4/2/2020 12:07	0.1	0.2
298	4/2/2020 12:08	0.1	0.1
299	4/2/2020 12:09	0.1	0.1
300	4/2/2020 12:10	0.1	0.1
301	4/2/2020 12:11	0.1	0.1
302	4/2/2020 12:12	0.1	0.1
303	4/2/2020 12:13	0.1	0.1
304	4/2/2020 12:14	0.1	0
305	4/2/2020 12:15	0.1	0
306	4/2/2020 12:16	0.1	0
307	4/2/2020 12:17	0.1	0
308	4/2/2020 12:18	0.1	0
309	4/2/2020 12:19	0.1	0
310	4/2/2020 12:20	0.1	0
311	4/2/2020 12:21	0.1	0
312	4/2/2020 12:22	0.1	0
313	4/2/2020 12:23	0.1	0
314	4/2/2020 12:24	0.1	0
315	4/2/2020 12:25	0.1	0.1
316	4/2/2020 12:26	0.1	0.2
317	4/2/2020 12:27	0.1	0.2
318	4/2/2020 12:28	0.1	0.2
319	4/2/2020 12:29	0.1	0.2
320	4/2/2020 12:30	0.1	0.2
321	4/2/2020 12:31	0.1	0.2
322	4/2/2020 12:32	0.1	0.2
323	4/2/2020 12:33	0.1	0.3
324	4/2/2020 12:34	0.1	0.3
325	4/2/2020 12:35	0.1	0.3
326	4/2/2020 12:36	0.1	0.3
327	4/2/2020 12:37	0.1	0.3
328	4/2/2020 12:38	0.1	0.3
329	4/2/2020 12:39	0.1	0.3
330	4/2/2020 12:40	0.1	0.3
331	4/2/2020 12:41	0.1	0.2
332	4/2/2020 12:42	0.1	0.1
333	4/2/2020 12:43	0.1	0
334	4/2/2020 12:44	0.1	0
335	4/2/2020 12:45	0.1	0
336	4/2/2020 12:46	0.1	0
337	4/2/2020 12:47	0.1	0
338	4/2/2020 12:48	0.1	0
339	4/2/2020 12:49	0.1	0
340	4/2/2020 12:50	0.1	0
341	4/2/2020 12:51	0.1	0
342	4/2/2020 12:52	0.1	0
343	4/2/2020 12:53	0.1	0

344	4/2/2020 12:54	0.1	0
345	4/2/2020 12:55	0.1	0
346	4/2/2020 12:56	0.1	0
347	4/2/2020 12:57	0.1	0
348	4/2/2020 12:58	0.1	0
349	4/2/2020 12:59	0.1	0
350	4/2/2020 13:00	0.1	0
351	4/2/2020 13:01	0.1	0
352	4/2/2020 13:02	0.1	0
353	4/2/2020 13:03	0.1	0
354	4/2/2020 13:04	0.1	0
355	4/2/2020 13:05	0.1	0
356	4/2/2020 13:06	0.1	0
357	4/2/2020 13:07	0.1	0
358	4/2/2020 13:08	0.1	0
359	4/2/2020 13:09	0.1	0
360	4/2/2020 13:10	0.1	0
361	4/2/2020 13:11	0.1	0
362	4/2/2020 13:12	0.1	0
363	4/2/2020 13:13	0.1	0
364	4/2/2020 13:14	0.1	0
365	4/2/2020 13:15	0.1	0
366	4/2/2020 13:16	0.1	0
367	4/2/2020 13:17	0.1	0
368	4/2/2020 13:18	0.1	0
369	4/2/2020 13:19	0.1	0.1
370	4/2/2020 13:20	0.1	0.1
371	4/2/2020 13:21	0.1	0.1
372	4/2/2020 13:22	0.1	0.1
373	4/2/2020 13:23	0.1	0.1
374	4/2/2020 13:24	0.1	0.1
375	4/2/2020 13:25	0.1	0.1
376	4/2/2020 13:26	0.1	0.1
377	4/2/2020 13:27	0.1	0.1
378	4/2/2020 13:28	0.1	0
379	4/2/2020 13:29	0.1	0
380	4/2/2020 13:30	0.1	0.1
381	4/2/2020 13:31	0.1	0.1
382	4/2/2020 13:32	0.1	0.1
383	4/2/2020 13:33	0.1	0.1
384	4/2/2020 13:34	0.1	0.1
385	4/2/2020 13:35	0.1	0
386	4/2/2020 13:36	0.1	0
387	4/2/2020 13:37	0.1	0
388	4/2/2020 13:38	0.1	0
389	4/2/2020 13:39	0.1	0
390	4/2/2020 13:40	0.1	0

391	4/2/2020 13:41	0.1	0
392	4/2/2020 13:42	0.1	0
393	4/2/2020 13:43	0.1	0
394	4/2/2020 13:44	0.1	0
395	4/2/2020 13:45	0.1	0
396	4/2/2020 13:46	0.1	0
397	4/2/2020 13:47	0.1	0
398	4/2/2020 13:48	0.1	0
399	4/2/2020 13:49	0.1	0
400	4/2/2020 13:50	0.1	0
401	4/2/2020 13:51	0.1	0
402	4/2/2020 13:52	0.1	0
403	4/2/2020 13:53	0.1	0
404	4/2/2020 13:54	0.1	0
405	4/2/2020 13:55	0.1	0
406	4/2/2020 13:56	0.1	0
407	4/2/2020 13:57	0.1	0
408	4/2/2020 13:58	0.1	0
409	4/2/2020 13:59	0.1	0
410	4/2/2020 14:00	0.1	0
411	4/2/2020 14:01	0.1	0
412	4/2/2020 14:02	0.1	0
413	4/2/2020 14:03	0.1	0
414	4/2/2020 14:04	0.1	0.1
415	4/2/2020 14:05	0.1	0.1
416	4/2/2020 14:06	0.1	0.1
417	4/2/2020 14:07	0.1	0.1
418	4/2/2020 14:08	0.1	0.2
419	4/2/2020 14:09	0.1	0.2
420	4/2/2020 14:10	0.1	0.2
421	4/2/2020 14:11	0.1	0.3
422	4/2/2020 14:12	0.1	0.3
423	4/2/2020 14:13	0.1	0.3
424	4/2/2020 14:14	0.1	0.3
425	4/2/2020 14:15	0.1	0.3
426	4/2/2020 14:16	0.1	0.3
427	4/2/2020 14:17	0.1	0.3
428	4/2/2020 14:18	0.1	0.3
429	4/2/2020 14:19	0.1	0.3
430	4/2/2020 14:20	0.1	0.3
431	4/2/2020 14:21	0.1	0.2
432	4/2/2020 14:22	0.1	0.2
433	4/2/2020 14:23	0.1	0.2
434	4/2/2020 14:24	0.1	0.2
435	4/2/2020 14:25	0.1	0.2
436	4/2/2020 14:26	0.1	0.1
437	4/2/2020 14:27	0.1	0.1

438	4/2/2020 14:28	0.1	0
439	4/2/2020 14:29	0.1	0
440	4/2/2020 14:30	0.1	0
441	4/2/2020 14:31	0.1	0
442	4/2/2020 14:32	0.1	0
443	4/2/2020 14:33	0.1	0
444	4/2/2020 14:34	0.1	0
445	4/2/2020 14:35	0.1	0
446	4/2/2020 14:36	0.1	0
447	4/2/2020 14:37	0.1	0
448	4/2/2020 14:38	0.1	0
449	4/2/2020 14:39	0.1	0
450	4/2/2020 14:40	0.1	0
451	4/2/2020 14:41	0.1	0
452	4/2/2020 14:42	0.1	0
453	4/2/2020 14:43	0.1	0
454	4/2/2020 14:44	0.1	0
455	4/2/2020 14:45	0.1	0
456	4/2/2020 14:46	0.1	0
457	4/2/2020 14:47	0.1	0
458	4/2/2020 14:48	0.1	0
459	4/2/2020 14:49	0.1	0
460	4/2/2020 14:50	0.1	0
461	4/2/2020 14:51	0.1	0
462	4/2/2020 14:52	0.1	0
463	4/2/2020 14:53	0.1	0
464	4/2/2020 14:54	0.1	0
465	4/2/2020 14:55	0.1	0
466	4/2/2020 14:56	0.1	0
467	4/2/2020 14:57	0.1	0
468	4/2/2020 14:58	0.1	0
469	4/2/2020 14:59	0.1	0
470	4/2/2020 15:00	0.1	0
471	4/2/2020 15:01	0.1	0
472	4/2/2020 15:02	0.1	0
473	4/2/2020 15:03	0.1	0
474	4/2/2020 15:04	0.1	0
475	4/2/2020 15:05	0.1	0
476	4/2/2020 15:06	0.1	0
477	4/2/2020 15:07	0.1	0
478	4/2/2020 15:08	0.1	0
479	4/2/2020 15:09	0.1	0
480	4/2/2020 15:10	0.1	0
481	4/2/2020 15:11	0.1	0
482	4/2/2020 15:12	0.1	0
483	4/2/2020 15:13	0.1	0
484	4/2/2020 15:14	0.1	0

485	4/2/2020 15:15	0.1	0
486	4/2/2020 15:16	0.1	0
487	4/2/2020 15:17	0.1	0
488	4/2/2020 15:18	0.1	0
489	4/2/2020 15:19	0.1	0
490	4/2/2020 15:20	0.1	0
491	4/2/2020 15:21	0.1	0
492	4/2/2020 15:22	0.1	0
493	4/2/2020 15:23	0.1	0
494	4/2/2020 15:24	0.1	0
495	4/2/2020 15:25	0.1	0
496	4/2/2020 15:26	0.1	0
497	4/2/2020 15:27	0.1	0
498	4/2/2020 15:28	0.1	0
499	4/2/2020 15:29	0.1	0
500	4/2/2020 15:30	0.1	0

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20/04/03 07:08
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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-918988
Unit Firmware Ver	V2.20A
Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down
Site ID	12345678
User ID	12345678
Begin	4/3/2020 7:08
End	4/3/2020 17:35
Sample Period(s)	60
Number of Records	626
Sensor	PID(ppm)
Sensor SN	S023030089A2
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	100
TWA Alarm	50
Measurement Gas	Isobutylene
Calibration Time	4/1/2020 9:04
Peak	6.1
Min	0
Average	0.6

****
Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	4/3/2020 7:09	0	0	0
2	4/3/2020 7:10	0	0	0
3	4/3/2020 7:11	0	0.1	0
4	4/3/2020 7:12	0	0	0
5	4/3/2020 7:13	0	0.1	0

6	4/3/2020 7:14	0	0.1	0
7	4/3/2020 7:15	0	0.1	0
8	4/3/2020 7:16	0	0.1	0
9	4/3/2020 7:17	0	0.1	0
10	4/3/2020 7:18	0	0	0
11	4/3/2020 7:19	0	0	0
12	4/3/2020 7:20	0	0	0
13	4/3/2020 7:21	0	0	0
14	4/3/2020 7:22	0	0	0
15	4/3/2020 7:23	0	0	0
16	4/3/2020 7:24	0	0	0
17	4/3/2020 7:25	0	0	0
18	4/3/2020 7:26	0	0.1	0
19	4/3/2020 7:27	0	0	0
20	4/3/2020 7:28	0	0	0
21	4/3/2020 7:29	0	0	0
22	4/3/2020 7:30	0	0	0
23	4/3/2020 7:31	0	0	0
24	4/3/2020 7:32	0	0	0
25	4/3/2020 7:33	0	0	0
26	4/3/2020 7:34	0	0	0
27	4/3/2020 7:35	0	0	0
28	4/3/2020 7:36	0	0	0
29	4/3/2020 7:37	0	0	0
30	4/3/2020 7:38	0	0	0
31	4/3/2020 7:39	0	0	0
32	4/3/2020 7:40	0	0	0
33	4/3/2020 7:41	0	0	0
34	4/3/2020 7:42	0	0	0
35	4/3/2020 7:43	0	0	0
36	4/3/2020 7:44	0	0	0
37	4/3/2020 7:45	0	0	0
38	4/3/2020 7:46	0	0	0
39	4/3/2020 7:47	0	0	0
40	4/3/2020 7:48	0	0	0
41	4/3/2020 7:49	0	0	0
42	4/3/2020 7:50	0	0	0
43	4/3/2020 7:51	0	0	0
44	4/3/2020 7:52	0	0	0
45	4/3/2020 7:53	0	0	0
46	4/3/2020 7:54	0	0	0
47	4/3/2020 7:55	0	0	0
48	4/3/2020 7:56	0	0	0
49	4/3/2020 7:57	0	0	0
50	4/3/2020 7:58	0	0	0
51	4/3/2020 7:59	0	0	0
52	4/3/2020 8:00	0.5	1.3	0.3

53	4/3/2020 8:01	0.1	0.3	0
54	4/3/2020 8:02	0	0.1	0
55	4/3/2020 8:03	1	2.5	2.5
56	4/3/2020 8:04	3.5	4	3.4
57	4/3/2020 8:05	3.2	3.5	2.9
58	4/3/2020 8:06	2.3	3	2.6
59	4/3/2020 8:07	3.5	7	6.1
60	4/3/2020 8:08	3.4	6.6	2
61	4/3/2020 8:09	4.2	6.1	5
62	4/3/2020 8:10	5.6	6.9	4.4
63	4/3/2020 8:11	3.4	4.9	2.9
64	4/3/2020 8:12	2.7	3	2.4
65	4/3/2020 8:13	2.2	2.8	2.1
66	4/3/2020 8:14	1.7	2.9	2.9
67	4/3/2020 8:15	6.2	7.5	5.6
68	4/3/2020 8:16	6.4	8.9	5.9
69	4/3/2020 8:17	5.6	6.3	5.3
70	4/3/2020 8:18	5.2	6.4	4.7
71	4/3/2020 8:19	4.4	4.8	3.9
72	4/3/2020 8:20	3.8	4.1	4
73	4/3/2020 8:21	3.3	4	2.7
74	4/3/2020 8:22	2.8	3.3	2.2
75	4/3/2020 8:23	1.5	2.1	1.4
76	4/3/2020 8:24	1.6	1.8	1.5
77	4/3/2020 8:25	1.2	1.6	1
78	4/3/2020 8:26	0.9	1	0.8
79	4/3/2020 8:27	0.9	0.9	0.8
80	4/3/2020 8:28	0.7	0.8	0.7
81	4/3/2020 8:29	0.4	0.7	0.2
82	4/3/2020 8:30	0.3	0.4	0.2
83	4/3/2020 8:31	0.2	0.2	0.2
84	4/3/2020 8:32	0.2	0.2	0.1
85	4/3/2020 8:33	0.1	0.1	0.1
86	4/3/2020 8:34	0.1	0.2	0.2
87	4/3/2020 8:35	0.1	0.1	0
88	4/3/2020 8:36	0	0.1	0
89	4/3/2020 8:37	0	0	0
90	4/3/2020 8:38	0	0	0
91	4/3/2020 8:39	0.2	1.5	0.9
92	4/3/2020 8:40	1.5	6.6	1.4
93	4/3/2020 8:41	1.5	2.4	1.3
94	4/3/2020 8:42	1.1	2.6	1
95	4/3/2020 8:43	1.9	3.3	1.5
96	4/3/2020 8:44	2.3	3.1	1.7
97	4/3/2020 8:45	2.4	3.2	2.5
98	4/3/2020 8:46	1.5	2.5	0.6
99	4/3/2020 8:47	0.6	0.8	0.6

100	4/3/2020 8:48	0.5	0.8	0.3
101	4/3/2020 8:49	0.4	0.7	0.2
102	4/3/2020 8:50	0.6	1	0.6
103	4/3/2020 8:51	0.4	0.6	0.2
104	4/3/2020 8:52	0.4	0.7	0.4
105	4/3/2020 8:53	0.4	0.5	0.4
106	4/3/2020 8:54	0.5	0.7	0.4
107	4/3/2020 8:55	0.5	0.6	0.5
108	4/3/2020 8:56	0.3	0.5	0.3
109	4/3/2020 8:57	0.3	0.5	0.4
110	4/3/2020 8:58	0.2	0.3	0.2
111	4/3/2020 8:59	0.3	0.4	0.2
112	4/3/2020 9:00	0.1	0.2	0.1
113	4/3/2020 9:01	0.1	0.2	0
114	4/3/2020 9:02	0.1	0.3	0.3
115	4/3/2020 9:03	0.1	0.3	0
116	4/3/2020 9:04	0	0	0
117	4/3/2020 9:05	0.1	0.1	0.1
118	4/3/2020 9:06	0	0.1	0
119	4/3/2020 9:07	0	0	0
120	4/3/2020 9:08	0	0	0
121	4/3/2020 9:09	0	0.1	0
122	4/3/2020 9:10	0	0.2	0
123	4/3/2020 9:11	0.1	0.3	0.1
124	4/3/2020 9:12	0	0.1	0.1
125	4/3/2020 9:13	0	0.1	0.1
126	4/3/2020 9:14	0.2	0.4	0.3
127	4/3/2020 9:15	0.2	0.3	0.1
128	4/3/2020 9:16	0.1	0.3	0.2
129	4/3/2020 9:17	0.2	0.3	0.2
130	4/3/2020 9:18	0.1	0.2	0
131	4/3/2020 9:19	0.1	0.2	0.1
132	4/3/2020 9:20	0.1	0.1	0.1
133	4/3/2020 9:21	0.1	0.2	0.2
134	4/3/2020 9:22	0.3	0.7	0.7
135	4/3/2020 9:23	0.8	1	0.7
136	4/3/2020 9:24	0.5	0.7	0.4
137	4/3/2020 9:25	0.4	0.5	0.4
138	4/3/2020 9:26	0.6	0.6	0.6
139	4/3/2020 9:27	0.5	0.7	0.3
140	4/3/2020 9:28	0.5	0.6	0.5
141	4/3/2020 9:29	0.5	0.7	0.5
142	4/3/2020 9:30	0.4	0.5	0.4
143	4/3/2020 9:31	0.3	0.4	0.2
144	4/3/2020 9:32	0.3	0.4	0.4
145	4/3/2020 9:33	0.3	0.5	0.4
146	4/3/2020 9:34	0.7	1.2	1

147	4/3/2020 9:35	1.2	1.8	1.3
148	4/3/2020 9:36	1.2	1.5	1.2
149	4/3/2020 9:37	1.4	1.7	1.6
150	4/3/2020 9:38	1.5	1.9	1.1
151	4/3/2020 9:39	0.9	1.2	0.8
152	4/3/2020 9:40	0.8	0.9	0.6
153	4/3/2020 9:41	0.4	0.6	0.3
154	4/3/2020 9:42	0.4	0.5	0.5
155	4/3/2020 9:43	0.5	0.7	0.3
156	4/3/2020 9:44	0.6	0.7	0.6
157	4/3/2020 9:45	0.4	0.6	0.3
158	4/3/2020 9:46	0.3	0.5	0.5
159	4/3/2020 9:47	0.6	0.8	0.6
160	4/3/2020 9:48	0.8	1.2	0.8
161	4/3/2020 9:49	0.6	0.8	0.6
162	4/3/2020 9:50	1	1.4	1.4
163	4/3/2020 9:51	1.1	1.4	1
164	4/3/2020 9:52	1.1	1.3	1.3
165	4/3/2020 9:53	1.3	1.5	1.1
166	4/3/2020 9:54	1	1.3	0.7
167	4/3/2020 9:55	0.8	0.9	0.7
168	4/3/2020 9:56	0.7	0.8	0.7
169	4/3/2020 9:57	0.7	0.8	0.6
170	4/3/2020 9:58	0.5	0.7	0.7
171	4/3/2020 9:59	0.7	1	1
172	4/3/2020 10:00	1.2	2.8	2.7
173	4/3/2020 10:01	3.7	6	5.8
174	4/3/2020 10:02	5.9	7	5.3
175	4/3/2020 10:03	3.7	5.3	3.9
176	4/3/2020 10:04	3.1	3.8	3.2
177	4/3/2020 10:05	2.9	3.2	2.4
178	4/3/2020 10:06	2.5	3.1	3.1
179	4/3/2020 10:07	3.7	4.8	3
180	4/3/2020 10:08	2.7	3.3	2.7
181	4/3/2020 10:09	3.5	5	5
182	4/3/2020 10:10	5.8	7.7	5.8
183	4/3/2020 10:11	3.4	6	2.1
184	4/3/2020 10:12	2.4	3	2.7
185	4/3/2020 10:13	2.9	3.1	2.9
186	4/3/2020 10:14	2.3	2.9	2.1
187	4/3/2020 10:15	2.3	2.6	2.4
188	4/3/2020 10:16	2.3	2.8	1.9
189	4/3/2020 10:17	1.8	2	1.7
190	4/3/2020 10:18	2.1	2.6	2.5
191	4/3/2020 10:19	2.8	4.2	4
192	4/3/2020 10:20	3.5	4.2	3.8
193	4/3/2020 10:21	4.2	4.7	4.2

194	4/3/2020 10:22	4.7	5.3	5.1
195	4/3/2020 10:23	6.3	7.8	5.5
196	4/3/2020 10:24	5.6	6.7	5.4
197	4/3/2020 10:25	4.2	5.4	3.9
198	4/3/2020 10:26	3.7	4	3.5
199	4/3/2020 10:27	3.4	3.7	3.4
200	4/3/2020 10:28	3.2	3.5	3.4
201	4/3/2020 10:29	2.9	3.5	2.5
202	4/3/2020 10:30	2.7	2.9	2.7
203	4/3/2020 10:31	2.7	2.8	2.8
204	4/3/2020 10:32	2.3	2.8	2.1
205	4/3/2020 10:33	1.9	2.2	1.9
206	4/3/2020 10:34	1.7	2	1.8
207	4/3/2020 10:35	1.6	1.8	1.4
208	4/3/2020 10:36	1.4	1.6	1.3
209	4/3/2020 10:37	1.3	1.5	1.1
210	4/3/2020 10:38	1.2	1.3	1.1
211	4/3/2020 10:39	1.1	1.2	1
212	4/3/2020 10:40	1	1	1
213	4/3/2020 10:41	1	1	0.9
214	4/3/2020 10:42	0.9	1	1
215	4/3/2020 10:43	0.9	1	0.9
216	4/3/2020 10:44	0.9	0.9	0.9
217	4/3/2020 10:45	0.9	1.1	1
218	4/3/2020 10:46	1	1.1	1
219	4/3/2020 10:47	0.9	1	0.8
220	4/3/2020 10:48	0.9	1	0.8
221	4/3/2020 10:49	0.6	0.8	0.5
222	4/3/2020 10:50	0.5	0.6	0.5
223	4/3/2020 10:51	0.5	0.5	0.5
224	4/3/2020 10:52	0.5	0.5	0.5
225	4/3/2020 10:53	0.5	0.5	0.4
226	4/3/2020 10:54	0.4	0.5	0.4
227	4/3/2020 10:55	0.4	0.5	0.5
228	4/3/2020 10:56	0.3	0.5	0.4
229	4/3/2020 10:57	0.4	0.4	0.4
230	4/3/2020 10:58	0.4	0.4	0.4
231	4/3/2020 10:59	0.4	0.4	0.4
232	4/3/2020 11:00	0.4	0.4	0.4
233	4/3/2020 11:01	0.3	0.4	0.3
234	4/3/2020 11:02	0.3	0.4	0.3
235	4/3/2020 11:03	0.3	0.3	0.3
236	4/3/2020 11:04	0.3	0.3	0.2
237	4/3/2020 11:05	0.2	0.3	0.2
238	4/3/2020 11:06	0.2	0.2	0.2
239	4/3/2020 11:07	0.2	0.2	0.2
240	4/3/2020 11:08	0.2	0.2	0.1

241	4/3/2020 11:09	0.2	0.4	0.4
242	4/3/2020 11:10	0.3	0.5	0.2
243	4/3/2020 11:11	0.1	0.1	0.1
244	4/3/2020 11:12	0.2	0.3	0.3
245	4/3/2020 11:13	0.7	2.5	0.7
246	4/3/2020 11:14	0.7	1.3	0.7
247	4/3/2020 11:15	0.6	1	0.5
248	4/3/2020 11:16	0.4	0.5	0.4
249	4/3/2020 11:17	0.5	1.2	1.1
250	4/3/2020 11:18	0.4	0.9	0.3
251	4/3/2020 11:19	0.4	0.9	0.4
252	4/3/2020 11:20	0.5	0.6	0.3
253	4/3/2020 11:21	0.3	0.4	0.3
254	4/3/2020 11:22	0.3	0.4	0.2
255	4/3/2020 11:23	0.2	0.3	0.2
256	4/3/2020 11:24	0.2	0.3	0.2
257	4/3/2020 11:25	0.4	0.6	0.6
258	4/3/2020 11:26	1.1	1.6	1.6
259	4/3/2020 11:27	2.4	3	2.7
260	4/3/2020 11:28	1.2	2.6	0.6
261	4/3/2020 11:29	0.5	0.6	0.5
262	4/3/2020 11:30	0.5	0.6	0.5
263	4/3/2020 11:31	0.5	0.5	0.5
264	4/3/2020 11:32	0.6	0.6	0.6
265	4/3/2020 11:33	0.7	0.8	0.7
266	4/3/2020 11:34	0.8	0.9	0.9
267	4/3/2020 11:35	0.8	0.9	0.7
268	4/3/2020 11:36	0.7	0.7	0.7
269	4/3/2020 11:37	0.8	0.9	0.7
270	4/3/2020 11:38	0.8	0.9	0.9
271	4/3/2020 11:39	0.9	1	0.7
272	4/3/2020 11:40	0.7	0.9	0.9
273	4/3/2020 11:41	0.9	1	1
274	4/3/2020 11:42	1.1	1.2	1.1
275	4/3/2020 11:43	0.9	1.1	0.9
276	4/3/2020 11:44	1	1	0.9
277	4/3/2020 11:45	0.9	0.9	0.9
278	4/3/2020 11:46	0.8	0.9	0.7
279	4/3/2020 11:47	0.9	1	1
280	4/3/2020 11:48	1.1	1.4	1.4
281	4/3/2020 11:49	1.4	2	1.3
282	4/3/2020 11:50	1	1.3	1
283	4/3/2020 11:51	1.2	1.6	1.1
284	4/3/2020 11:52	1.1	1.6	1.4
285	4/3/2020 11:53	1.4	1.4	1.4
286	4/3/2020 11:54	1.3	1.4	1.3
287	4/3/2020 11:55	1.1	1.4	0.8

288	4/3/2020 11:56	0.8	0.9	0.8
289	4/3/2020 11:57	0.7	0.8	0.6
290	4/3/2020 11:58	0.6	0.6	0.5
291	4/3/2020 11:59	0.5	0.6	0.4
292	4/3/2020 12:00	0.4	0.5	0.4
293	4/3/2020 12:01	0.4	0.4	0.4
294	4/3/2020 12:02	0.4	0.5	0.4
295	4/3/2020 12:03	0.4	0.5	0.4
296	4/3/2020 12:04	0.4	0.5	0.4
297	4/3/2020 12:05	0.3	0.3	0.2
298	4/3/2020 12:06	0.3	0.3	0.3
299	4/3/2020 12:07	0.3	0.4	0.3
300	4/3/2020 12:08	0.3	0.3	0.3
301	4/3/2020 12:09	0.3	0.5	0.4
302	4/3/2020 12:10	0.5	0.5	0.5
303	4/3/2020 12:11	0.4	0.5	0.5
304	4/3/2020 12:12	0.5	0.6	0.4
305	4/3/2020 12:13	0.4	0.7	0.4
306	4/3/2020 12:14	0.4	0.4	0.4
307	4/3/2020 12:15	0.3	0.4	0.3
308	4/3/2020 12:16	0.2	0.3	0.3
309	4/3/2020 12:17	0.2	0.3	0.2
310	4/3/2020 12:18	0.3	0.4	0.4
311	4/3/2020 12:19	0.3	0.4	0.3
312	4/3/2020 12:20	0.2	0.3	0.2
313	4/3/2020 12:21	0.2	0.2	0.1
314	4/3/2020 12:22	0.2	0.3	0.1
315	4/3/2020 12:23	0.2	0.2	0.2
316	4/3/2020 12:24	0.2	0.3	0.2
317	4/3/2020 12:25	0.2	0.2	0.2
318	4/3/2020 12:26	0.2	0.2	0.2
319	4/3/2020 12:27	0.2	0.2	0.2
320	4/3/2020 12:28	0.2	0.2	0.2
321	4/3/2020 12:29	0.2	0.3	0.2
322	4/3/2020 12:30	0.2	0.3	0.2
323	4/3/2020 12:31	0.1	0.2	0.2
324	4/3/2020 12:32	0.2	0.2	0.2
325	4/3/2020 12:33	0.1	0.2	0.1
326	4/3/2020 12:34	0.1	0.1	0.1
327	4/3/2020 12:35	0.1	0.1	0.1
328	4/3/2020 12:36	0.1	0.2	0.1
329	4/3/2020 12:37	0.2	0.2	0.2
330	4/3/2020 12:38	0.3	0.3	0.3
331	4/3/2020 12:39	0.4	0.5	0.4
332	4/3/2020 12:40	0.3	0.4	0.3
333	4/3/2020 12:41	0.3	0.4	0.2
334	4/3/2020 12:42	0.2	0.2	0.2

335	4/3/2020 12:43	0.2	0.2	0.2
336	4/3/2020 12:44	0.1	0.2	0.1
337	4/3/2020 12:45	0.1	0.2	0.2
338	4/3/2020 12:46	0.2	0.2	0.2
339	4/3/2020 12:47	0.2	0.2	0.2
340	4/3/2020 12:48	0.2	0.2	0.2
341	4/3/2020 12:49	0.2	0.3	0.3
342	4/3/2020 12:50	0.3	0.3	0.3
343	4/3/2020 12:51	0.4	0.4	0.4
344	4/3/2020 12:52	0.4	0.5	0.4
345	4/3/2020 12:53	0.4	0.4	0.4
346	4/3/2020 12:54	0.5	0.5	0.5
347	4/3/2020 12:55	0.5	0.5	0.4
348	4/3/2020 12:56	0.4	0.5	0.3
349	4/3/2020 12:57	0.3	0.3	0.3
350	4/3/2020 12:58	0.4	0.5	0.5
351	4/3/2020 12:59	0.6	0.8	0.7
352	4/3/2020 13:00	0.7	0.7	0.7
353	4/3/2020 13:01	0.8	1.1	0.8
354	4/3/2020 13:02	0.8	0.9	0.6
355	4/3/2020 13:03	0.7	0.7	0.7
356	4/3/2020 13:04	0.7	0.9	0.9
357	4/3/2020 13:05	1.2	1.4	1.2
358	4/3/2020 13:06	1.3	1.6	1.3
359	4/3/2020 13:07	1.5	1.7	1.4
360	4/3/2020 13:08	1.8	2.6	2.4
361	4/3/2020 13:09	3.8	5.1	4.4
362	4/3/2020 13:10	5.9	8	5.6
363	4/3/2020 13:11	4.7	5.7	4.4
364	4/3/2020 13:12	3.9	4.5	3.3
365	4/3/2020 13:13	3.6	4.1	4
366	4/3/2020 13:14	2.7	4.4	1.4
367	4/3/2020 13:15	1.3	2.1	1.1
368	4/3/2020 13:16	1.1	1.3	1
369	4/3/2020 13:17	0.8	1	0.8
370	4/3/2020 13:18	1	1.2	0.8
371	4/3/2020 13:19	0.8	1	0.6
372	4/3/2020 13:20	0.5	0.5	0.5
373	4/3/2020 13:21	0.5	0.5	0.5
374	4/3/2020 13:22	0.5	0.5	0.5
375	4/3/2020 13:23	0.5	0.5	0.4
376	4/3/2020 13:24	0.4	0.5	0.5
377	4/3/2020 13:25	0.5	0.6	0.5
378	4/3/2020 13:26	0.4	0.5	0.4
379	4/3/2020 13:27	0.3	0.4	0.3
380	4/3/2020 13:28	0.4	0.5	0.5
381	4/3/2020 13:29	0.6	0.7	0.6

382	4/3/2020 13:30	0.6	0.6	0.6
383	4/3/2020 13:31	0.6	0.6	0.6
384	4/3/2020 13:32	0.7	0.8	0.7
385	4/3/2020 13:33	0.8	1	1
386	4/3/2020 13:34	1	1.1	1
387	4/3/2020 13:35	1.2	1.6	1
388	4/3/2020 13:36	1.1	1.2	0.9
389	4/3/2020 13:37	0.9	1	0.8
390	4/3/2020 13:38	0.9	0.9	0.8
391	4/3/2020 13:39	0.8	0.8	0.7
392	4/3/2020 13:40	0.8	0.9	0.8
393	4/3/2020 13:41	0.7	0.8	0.6
394	4/3/2020 13:42	0.5	0.6	0.4
395	4/3/2020 13:43	0.5	0.6	0.5
396	4/3/2020 13:44	0.5	0.5	0.4
397	4/3/2020 13:45	0.2	0.3	0.1
398	4/3/2020 13:46	0.1	0.2	0.2
399	4/3/2020 13:47	0.2	0.2	0.2
400	4/3/2020 13:48	0.2	0.2	0.2
401	4/3/2020 13:49	0.2	0.3	0.2
402	4/3/2020 13:50	0.3	0.3	0.3
403	4/3/2020 13:51	0.3	0.4	0.2
404	4/3/2020 13:52	0.1	0.2	0.1
405	4/3/2020 13:53	0.1	0.2	0.1
406	4/3/2020 13:54	0.1	0.1	0.1
407	4/3/2020 13:55	0.1	0.2	0.1
408	4/3/2020 13:56	0.2	0.3	0.3
409	4/3/2020 13:57	0.3	0.4	0.4
410	4/3/2020 13:58	0.3	0.4	0.3
411	4/3/2020 13:59	0.3	0.4	0.3
412	4/3/2020 14:00	0.3	0.3	0.3
413	4/3/2020 14:01	0.3	0.4	0.3
414	4/3/2020 14:02	0.2	0.3	0.3
415	4/3/2020 14:03	0.3	0.3	0.3
416	4/3/2020 14:04	0.3	0.3	0.2
417	4/3/2020 14:05	0.3	0.3	0.3
418	4/3/2020 14:06	0.2	0.3	0.2
419	4/3/2020 14:07	0.1	0.3	0.2
420	4/3/2020 14:08	0.1	0.2	0
421	4/3/2020 14:09	0.1	0.2	0.1
422	4/3/2020 14:10	0.1	0.1	0.1
423	4/3/2020 14:11	0.1	0.3	0.3
424	4/3/2020 14:12	0.4	1.3	0.4
425	4/3/2020 14:13	0.5	0.9	0.4
426	4/3/2020 14:14	0.5	1.3	0.2
427	4/3/2020 14:15	0.5	1	1
428	4/3/2020 14:16	0.4	1	0.3

429	4/3/2020 14:17	0.1	0.3	0.1
430	4/3/2020 14:18	0.1	0.2	0.1
431	4/3/2020 14:19	0.1	0.1	0.1
432	4/3/2020 14:20	0	0.1	0
433	4/3/2020 14:21	0	0.1	0
434	4/3/2020 14:22	0	0.1	0
435	4/3/2020 14:23	0	0.1	0
436	4/3/2020 14:24	0	0	0
437	4/3/2020 14:25	0	0	0
438	4/3/2020 14:26	0	0.1	0
439	4/3/2020 14:27	0	0	0
440	4/3/2020 14:28	0	0	0
441	4/3/2020 14:29	0	0.1	0.1
442	4/3/2020 14:30	0.1	0.1	0
443	4/3/2020 14:31	0	0	0
444	4/3/2020 14:32	0	0	0
445	4/3/2020 14:33	0	0	0
446	4/3/2020 14:34	0	0	0
447	4/3/2020 14:35	0	0	0
448	4/3/2020 14:36	0	0	0
449	4/3/2020 14:37	0	0	0
450	4/3/2020 14:38	0	0	0
451	4/3/2020 14:39	0	0	0
452	4/3/2020 14:40	0	0	0
453	4/3/2020 14:41	0	0	0
454	4/3/2020 14:42	0	0	0
455	4/3/2020 14:43	0	0	0
456	4/3/2020 14:44	0	0	0
457	4/3/2020 14:45	0	0	0
458	4/3/2020 14:46	0	0	0
459	4/3/2020 14:47	0	0.1	0
460	4/3/2020 14:48	0	0.1	0
461	4/3/2020 14:49	0	0	0
462	4/3/2020 14:50	0	0.1	0
463	4/3/2020 14:51	0	0	0
464	4/3/2020 14:52	0	0	0
465	4/3/2020 14:53	0	0	0
466	4/3/2020 14:54	0	0	0
467	4/3/2020 14:55	0	0	0
468	4/3/2020 14:56	0	0	0
469	4/3/2020 14:57	0	0	0
470	4/3/2020 14:58	0	0	0
471	4/3/2020 14:59	0	0	0
472	4/3/2020 15:00	0	0	0
473	4/3/2020 15:01	0	0	0
474	4/3/2020 15:02	0	0.1	0
475	4/3/2020 15:03	0	0	0

476	4/3/2020 15:04	0	0.1	0
477	4/3/2020 15:05	0	0	0
478	4/3/2020 15:06	0	0	0
479	4/3/2020 15:07	0	0	0
480	4/3/2020 15:08	0	0	0
481	4/3/2020 15:09	0	0	0
482	4/3/2020 15:10	0	0	0
483	4/3/2020 15:11	0	0	0
484	4/3/2020 15:12	0	0	0
485	4/3/2020 15:13	0	0	0
486	4/3/2020 15:14	0	0	0
487	4/3/2020 15:15	0	0	0
488	4/3/2020 15:16	0	0	0
489	4/3/2020 15:17	0	0	0
490	4/3/2020 15:18	0	0	0
491	4/3/2020 15:19	0	0	0
492	4/3/2020 15:20	0	0	0
493	4/3/2020 15:21	0	0	0
494	4/3/2020 15:22	0	0	0
495	4/3/2020 15:23	0	0	0
496	4/3/2020 15:24	0	0	0
497	4/3/2020 15:25	0	0	0
498	4/3/2020 15:26	0	0	0
499	4/3/2020 15:27	0	0	0
500	4/3/2020 15:28	0	0	0
501	4/3/2020 15:29	0	0	0
502	4/3/2020 15:30	0	0	0
503	4/3/2020 15:31	0	0	0
504	4/3/2020 15:32	0	0	0
505	4/3/2020 15:33	0	0	0
506	4/3/2020 15:34	0	0	0
507	4/3/2020 15:35	0	0	0
508	4/3/2020 15:36	0	0	0
509	4/3/2020 15:37	0	0	0
510	4/3/2020 15:38	0	0	0
511	4/3/2020 15:39	0	0	0
512	4/3/2020 15:40	0	0	0
513	4/3/2020 15:41	0	0	0
514	4/3/2020 15:42	0	0	0
515	4/3/2020 15:43	0	0	0
516	4/3/2020 15:44	0	0	0
517	4/3/2020 15:45	0	0	0
518	4/3/2020 15:46	0	0	0
519	4/3/2020 15:47	0	0	0
520	4/3/2020 15:48	0	0	0
521	4/3/2020 15:49	0	0	0
522	4/3/2020 15:50	0	0	0

523	4/3/2020 15:51	0	0	0
524	4/3/2020 15:52	0	0	0
525	4/3/2020 15:53	0	0	0
526	4/3/2020 15:54	0	0	0
527	4/3/2020 15:55	0	0	0
528	4/3/2020 15:56	0	0	0
529	4/3/2020 15:57	0	0	0
530	4/3/2020 15:58	0	0	0
531	4/3/2020 15:59	0	0	0
532	4/3/2020 16:00	0	0	0
533	4/3/2020 16:01	0	0	0
534	4/3/2020 16:02	0	0	0
535	4/3/2020 16:03	0	0	0
536	4/3/2020 16:04	0	0	0
537	4/3/2020 16:05	0	0	0
538	4/3/2020 16:06	0	0	0
539	4/3/2020 16:07	0	0	0
540	4/3/2020 16:08	0	0	0
541	4/3/2020 16:09	0	0	0
542	4/3/2020 16:10	0	0	0
543	4/3/2020 16:11	0	0	0
544	4/3/2020 16:12	0	0	0
545	4/3/2020 16:13	0	0	0
546	4/3/2020 16:14	0	0	0
547	4/3/2020 16:15	0	0	0
548	4/3/2020 16:16	0	0	0
549	4/3/2020 16:17	0	0	0
550	4/3/2020 16:18	0	0	0
551	4/3/2020 16:19	0	0	0
552	4/3/2020 16:20	0	0	0
553	4/3/2020 16:21	0	0	0
554	4/3/2020 16:22	0	0	0
555	4/3/2020 16:23	0	0	0
556	4/3/2020 16:24	0	0	0
557	4/3/2020 16:25	0	0	0
558	4/3/2020 16:26	0	0	0
559	4/3/2020 16:27	0	0	0
560	4/3/2020 16:28	0	0	0
561	4/3/2020 16:29	0	0	0
562	4/3/2020 16:30	0	0	0
563	4/3/2020 16:31	0	0	0
564	4/3/2020 16:32	0	0	0
565	4/3/2020 16:33	0	0	0
566	4/3/2020 16:34	0	0	0
567	4/3/2020 16:35	0	0	0
568	4/3/2020 16:36	0	0	0
569	4/3/2020 16:37	0	0	0

570	4/3/2020 16:38	0	0	0
571	4/3/2020 16:39	0	0.1	0.1
572	4/3/2020 16:40	0.1	0.1	0.1
573	4/3/2020 16:41	0.1	0.1	0.1
574	4/3/2020 16:42	0.1	0.1	0.1
575	4/3/2020 16:43	0.1	0.2	0.1
576	4/3/2020 16:44	0.1	0.1	0.1
577	4/3/2020 16:45	0.1	0.2	0.1
578	4/3/2020 16:46	0.2	0.2	0.2
579	4/3/2020 16:47	0.2	0.2	0.2
580	4/3/2020 16:48	0.2	0.3	0.2
581	4/3/2020 16:49	0.2	0.2	0.2
582	4/3/2020 16:50	0.2	0.3	0.2
583	4/3/2020 16:51	0.3	0.3	0.3
584	4/3/2020 16:52	0.3	0.3	0.3
585	4/3/2020 16:53	0.3	0.3	0.3
586	4/3/2020 16:54	0.3	0.3	0.3
587	4/3/2020 16:55	0.3	0.4	0.3
588	4/3/2020 16:56	0.3	0.3	0.3
589	4/3/2020 16:57	0.3	0.4	0.3
590	4/3/2020 16:58	0.3	0.3	0.3
591	4/3/2020 16:59	0.3	0.3	0.3
592	4/3/2020 17:00	0.3	0.3	0.3
593	4/3/2020 17:01	0.3	0.3	0.3
594	4/3/2020 17:02	0.3	0.3	0.3
595	4/3/2020 17:03	0.3	0.3	0.3
596	4/3/2020 17:04	0.3	0.3	0.3
597	4/3/2020 17:05	0.3	0.4	0.3
598	4/3/2020 17:06	0.3	0.4	0.4
599	4/3/2020 17:07	0.3	0.4	0.3
600	4/3/2020 17:08	0.4	0.5	0.4
601	4/3/2020 17:09	0.4	0.4	0.3
602	4/3/2020 17:10	0.4	0.5	0.5
603	4/3/2020 17:11	0.4	0.5	0.4
604	4/3/2020 17:12	0.4	0.4	0.4
605	4/3/2020 17:13	0.4	0.5	0.4
606	4/3/2020 17:14	0.4	0.4	0.4
607	4/3/2020 17:15	0.4	0.5	0.4
608	4/3/2020 17:16	0.4	0.6	0.4
609	4/3/2020 17:17	0.4	0.5	0.4
610	4/3/2020 17:18	0.4	0.5	0.4
611	4/3/2020 17:19	0.4	0.4	0.4
612	4/3/2020 17:20	0.3	0.4	0.3
613	4/3/2020 17:21	0.3	0.4	0.3
614	4/3/2020 17:22	0.4	0.5	0.3
615	4/3/2020 17:23	0.4	0.4	0.4
616	4/3/2020 17:24	0.3	0.4	0.3

	617	4/3/2020 17:25	0.3	0.4	0.4
	618	4/3/2020 17:26	0.3	0.4	0.4
	619	4/3/2020 17:27	0.4	0.5	0.5
	620	4/3/2020 17:28	0.4	0.5	0.4
	621	4/3/2020 17:29	0.4	0.5	0.4
	622	4/3/2020 17:30	0.4	0.4	0.4
	623	4/3/2020 17:31	0.4	0.5	0.4
	624	4/3/2020 17:32	0.4	0.5	0.5
	625	4/3/2020 17:33	0.4	0.5	0.4
	626	4/3/2020 17:34	0.5	1	0.8
Peak			6.4	8.9	6.1
Min			0	0	0
Average			0.6	0.8	0.6

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	4/3/2020 7:09	0	---
2	4/3/2020 7:10	0	---
3	4/3/2020 7:11	0	---
4	4/3/2020 7:12	0	---
5	4/3/2020 7:13	0	---
6	4/3/2020 7:14	0	---
7	4/3/2020 7:15	0	---
8	4/3/2020 7:16	0	---
9	4/3/2020 7:17	0	---
10	4/3/2020 7:18	0	---
11	4/3/2020 7:19	0	---
12	4/3/2020 7:20	0	---
13	4/3/2020 7:21	0	---
14	4/3/2020 7:22	0	---
15	4/3/2020 7:23	0	0
16	4/3/2020 7:24	0	0
17	4/3/2020 7:25	0	0
18	4/3/2020 7:26	0	0
19	4/3/2020 7:27	0	0
20	4/3/2020 7:28	0	0
21	4/3/2020 7:29	0	0
22	4/3/2020 7:30	0	0
23	4/3/2020 7:31	0	0
24	4/3/2020 7:32	0	0
25	4/3/2020 7:33	0	0
26	4/3/2020 7:34	0	0
27	4/3/2020 7:35	0	0
28	4/3/2020 7:36	0	0
29	4/3/2020 7:37	0	0

30	4/3/2020 7:38	0	0
31	4/3/2020 7:39	0	0
32	4/3/2020 7:40	0	0
33	4/3/2020 7:41	0	0
34	4/3/2020 7:42	0	0
35	4/3/2020 7:43	0	0
36	4/3/2020 7:44	0	0
37	4/3/2020 7:45	0	0
38	4/3/2020 7:46	0	0
39	4/3/2020 7:47	0	0
40	4/3/2020 7:48	0	0
41	4/3/2020 7:49	0	0
42	4/3/2020 7:50	0	0
43	4/3/2020 7:51	0	0
44	4/3/2020 7:52	0	0
45	4/3/2020 7:53	0	0
46	4/3/2020 7:54	0	0
47	4/3/2020 7:55	0	0
48	4/3/2020 7:56	0	0
49	4/3/2020 7:57	0	0
50	4/3/2020 7:58	0	0
51	4/3/2020 7:59	0	0
52	4/3/2020 8:00	0	0
53	4/3/2020 8:01	0	0
54	4/3/2020 8:02	0	0
55	4/3/2020 8:03	0	0.2
56	4/3/2020 8:04	0	0.4
57	4/3/2020 8:05	0	0.6
58	4/3/2020 8:06	0	0.8
59	4/3/2020 8:07	0	1.2
60	4/3/2020 8:08	0	1.3
61	4/3/2020 8:09	0.1	1.7
62	4/3/2020 8:10	0.1	1.9
63	4/3/2020 8:11	0.1	2.1
64	4/3/2020 8:12	0.1	2.3
65	4/3/2020 8:13	0.1	2.4
66	4/3/2020 8:14	0.1	2.6
67	4/3/2020 8:15	0.1	3
68	4/3/2020 8:16	0.1	3.4
69	4/3/2020 8:17	0.1	3.7
70	4/3/2020 8:18	0.1	4
71	4/3/2020 8:19	0.1	4.1
72	4/3/2020 8:20	0.1	4.2
73	4/3/2020 8:21	0.1	4.2
74	4/3/2020 8:22	0.2	4.1
75	4/3/2020 8:23	0.2	3.8
76	4/3/2020 8:24	0.2	3.8

77	4/3/2020 8:25	0.2	3.5
78	4/3/2020 8:26	0.2	3.3
79	4/3/2020 8:27	0.2	3.1
80	4/3/2020 8:28	0.2	3
81	4/3/2020 8:29	0.2	2.9
82	4/3/2020 8:30	0.2	2.7
83	4/3/2020 8:31	0.2	2.4
84	4/3/2020 8:32	0.2	2
85	4/3/2020 8:33	0.2	1.6
86	4/3/2020 8:34	0.2	1.3
87	4/3/2020 8:35	0.2	1.1
88	4/3/2020 8:36	0.2	0.8
89	4/3/2020 8:37	0.2	0.6
90	4/3/2020 8:38	0.2	0.5
91	4/3/2020 8:39	0.2	0.4
92	4/3/2020 8:40	0.2	0.4
93	4/3/2020 8:41	0.2	0.5
94	4/3/2020 8:42	0.2	0.5
95	4/3/2020 8:43	0.2	0.5
96	4/3/2020 8:44	0.2	0.6
97	4/3/2020 8:45	0.2	0.7
98	4/3/2020 8:46	0.2	0.8
99	4/3/2020 8:47	0.2	0.8
100	4/3/2020 8:48	0.2	0.8
101	4/3/2020 8:49	0.2	0.8
102	4/3/2020 8:50	0.2	0.8
103	4/3/2020 8:51	0.2	0.9
104	4/3/2020 8:52	0.2	0.9
105	4/3/2020 8:53	0.2	0.9
106	4/3/2020 8:54	0.2	0.9
107	4/3/2020 8:55	0.2	0.9
108	4/3/2020 8:56	0.2	0.8
109	4/3/2020 8:57	0.2	0.8
110	4/3/2020 8:58	0.2	0.7
111	4/3/2020 8:59	0.2	0.6
112	4/3/2020 9:00	0.2	0.5
113	4/3/2020 9:01	0.2	0.4
114	4/3/2020 9:02	0.2	0.3
115	4/3/2020 9:03	0.2	0.3
116	4/3/2020 9:04	0.2	0.3
117	4/3/2020 9:05	0.2	0.3
118	4/3/2020 9:06	0.2	0.2
119	4/3/2020 9:07	0.2	0.2
120	4/3/2020 9:08	0.2	0.2
121	4/3/2020 9:09	0.2	0.2
122	4/3/2020 9:10	0.2	0.1
123	4/3/2020 9:11	0.2	0.1

124	4/3/2020 9:12	0.2	0.1
125	4/3/2020 9:13	0.2	0.1
126	4/3/2020 9:14	0.2	0.1
127	4/3/2020 9:15	0.2	0.1
128	4/3/2020 9:16	0.2	0.1
129	4/3/2020 9:17	0.2	0.1
130	4/3/2020 9:18	0.2	0.1
131	4/3/2020 9:19	0.2	0.1
132	4/3/2020 9:20	0.2	0.1
133	4/3/2020 9:21	0.2	0.1
134	4/3/2020 9:22	0.2	0.1
135	4/3/2020 9:23	0.2	0.2
136	4/3/2020 9:24	0.2	0.2
137	4/3/2020 9:25	0.2	0.2
138	4/3/2020 9:26	0.2	0.3
139	4/3/2020 9:27	0.2	0.3
140	4/3/2020 9:28	0.2	0.3
141	4/3/2020 9:29	0.2	0.4
142	4/3/2020 9:30	0.2	0.4
143	4/3/2020 9:31	0.2	0.4
144	4/3/2020 9:32	0.2	0.4
145	4/3/2020 9:33	0.2	0.4
146	4/3/2020 9:34	0.2	0.5
147	4/3/2020 9:35	0.2	0.5
148	4/3/2020 9:36	0.2	0.6
149	4/3/2020 9:37	0.2	0.7
150	4/3/2020 9:38	0.2	0.7
151	4/3/2020 9:39	0.2	0.7
152	4/3/2020 9:40	0.2	0.8
153	4/3/2020 9:41	0.2	0.7
154	4/3/2020 9:42	0.2	0.7
155	4/3/2020 9:43	0.2	0.7
156	4/3/2020 9:44	0.2	0.7
157	4/3/2020 9:45	0.2	0.7
158	4/3/2020 9:46	0.2	0.7
159	4/3/2020 9:47	0.2	0.8
160	4/3/2020 9:48	0.2	0.8
161	4/3/2020 9:49	0.2	0.8
162	4/3/2020 9:50	0.2	0.8
163	4/3/2020 9:51	0.2	0.8
164	4/3/2020 9:52	0.2	0.8
165	4/3/2020 9:53	0.3	0.8
166	4/3/2020 9:54	0.3	0.8
167	4/3/2020 9:55	0.3	0.8
168	4/3/2020 9:56	0.3	0.8
169	4/3/2020 9:57	0.3	0.8
170	4/3/2020 9:58	0.3	0.8

171	4/3/2020 9:59	0.3	0.8
172	4/3/2020 10:00	0.3	1
173	4/3/2020 10:01	0.3	1.3
174	4/3/2020 10:02	0.3	1.7
175	4/3/2020 10:03	0.3	1.9
176	4/3/2020 10:04	0.3	2
177	4/3/2020 10:05	0.3	2.2
178	4/3/2020 10:06	0.3	2.3
179	4/3/2020 10:07	0.3	2.4
180	4/3/2020 10:08	0.3	2.5
181	4/3/2020 10:09	0.3	2.8
182	4/3/2020 10:10	0.4	3.1
183	4/3/2020 10:11	0.4	3.2
184	4/3/2020 10:12	0.4	3.3
185	4/3/2020 10:13	0.4	3.5
186	4/3/2020 10:14	0.4	3.6
187	4/3/2020 10:15	0.4	3.7
188	4/3/2020 10:16	0.4	3.6
189	4/3/2020 10:17	0.4	3.3
190	4/3/2020 10:18	0.4	3.2
191	4/3/2020 10:19	0.4	3.2
192	4/3/2020 10:20	0.4	3.2
193	4/3/2020 10:21	0.4	3.3
194	4/3/2020 10:22	0.4	3.5
195	4/3/2020 10:23	0.4	3.6
196	4/3/2020 10:24	0.4	3.8
197	4/3/2020 10:25	0.5	3.7
198	4/3/2020 10:26	0.5	3.6
199	4/3/2020 10:27	0.5	3.7
200	4/3/2020 10:28	0.5	3.7
201	4/3/2020 10:29	0.5	3.7
202	4/3/2020 10:30	0.5	3.7
203	4/3/2020 10:31	0.5	3.8
204	4/3/2020 10:32	0.5	3.8
205	4/3/2020 10:33	0.5	3.8
206	4/3/2020 10:34	0.5	3.7
207	4/3/2020 10:35	0.5	3.6
208	4/3/2020 10:36	0.5	3.4
209	4/3/2020 10:37	0.5	3.2
210	4/3/2020 10:38	0.5	2.9
211	4/3/2020 10:39	0.5	2.6
212	4/3/2020 10:40	0.5	2.3
213	4/3/2020 10:41	0.5	2.1
214	4/3/2020 10:42	0.5	2
215	4/3/2020 10:43	0.5	1.8
216	4/3/2020 10:44	0.5	1.6
217	4/3/2020 10:45	0.5	1.5

218	4/3/2020 10:46	0.5	1.4
219	4/3/2020 10:47	0.5	1.3
220	4/3/2020 10:48	0.5	1.2
221	4/3/2020 10:49	0.5	1.1
222	4/3/2020 10:50	0.5	1
223	4/3/2020 10:51	0.5	1
224	4/3/2020 10:52	0.5	0.9
225	4/3/2020 10:53	0.5	0.9
226	4/3/2020 10:54	0.5	0.8
227	4/3/2020 10:55	0.5	0.8
228	4/3/2020 10:56	0.5	0.7
229	4/3/2020 10:57	0.5	0.7
230	4/3/2020 10:58	0.5	0.7
231	4/3/2020 10:59	0.5	0.6
232	4/3/2020 11:00	0.5	0.6
233	4/3/2020 11:01	0.5	0.5
234	4/3/2020 11:02	0.5	0.5
235	4/3/2020 11:03	0.5	0.5
236	4/3/2020 11:04	0.5	0.4
237	4/3/2020 11:05	0.5	0.4
238	4/3/2020 11:06	0.5	0.4
239	4/3/2020 11:07	0.5	0.4
240	4/3/2020 11:08	0.5	0.3
241	4/3/2020 11:09	0.6	0.3
242	4/3/2020 11:10	0.6	0.3
243	4/3/2020 11:11	0.6	0.3
244	4/3/2020 11:12	0.6	0.3
245	4/3/2020 11:13	0.6	0.3
246	4/3/2020 11:14	0.6	0.3
247	4/3/2020 11:15	0.6	0.3
248	4/3/2020 11:16	0.6	0.3
249	4/3/2020 11:17	0.6	0.4
250	4/3/2020 11:18	0.6	0.4
251	4/3/2020 11:19	0.6	0.4
252	4/3/2020 11:20	0.6	0.4
253	4/3/2020 11:21	0.6	0.4
254	4/3/2020 11:22	0.6	0.4
255	4/3/2020 11:23	0.6	0.4
256	4/3/2020 11:24	0.6	0.4
257	4/3/2020 11:25	0.6	0.4
258	4/3/2020 11:26	0.6	0.5
259	4/3/2020 11:27	0.6	0.7
260	4/3/2020 11:28	0.6	0.7
261	4/3/2020 11:29	0.6	0.7
262	4/3/2020 11:30	0.6	0.7
263	4/3/2020 11:31	0.6	0.7
264	4/3/2020 11:32	0.6	0.7

265	4/3/2020 11:33	0.6	0.7
266	4/3/2020 11:34	0.6	0.7
267	4/3/2020 11:35	0.6	0.7
268	4/3/2020 11:36	0.6	0.8
269	4/3/2020 11:37	0.6	0.8
270	4/3/2020 11:38	0.6	0.8
271	4/3/2020 11:39	0.6	0.9
272	4/3/2020 11:40	0.6	0.9
273	4/3/2020 11:41	0.6	0.9
274	4/3/2020 11:42	0.6	0.9
275	4/3/2020 11:43	0.6	0.8
276	4/3/2020 11:44	0.6	0.8
277	4/3/2020 11:45	0.6	0.8
278	4/3/2020 11:46	0.6	0.9
279	4/3/2020 11:47	0.6	0.9
280	4/3/2020 11:48	0.6	0.9
281	4/3/2020 11:49	0.6	1
282	4/3/2020 11:50	0.6	1
283	4/3/2020 11:51	0.6	1
284	4/3/2020 11:52	0.6	1.1
285	4/3/2020 11:53	0.6	1.1
286	4/3/2020 11:54	0.6	1.1
287	4/3/2020 11:55	0.6	1.1
288	4/3/2020 11:56	0.6	1.1
289	4/3/2020 11:57	0.6	1.1
290	4/3/2020 11:58	0.6	1.1
291	4/3/2020 11:59	0.6	1
292	4/3/2020 12:00	0.6	1
293	4/3/2020 12:01	0.6	1
294	4/3/2020 12:02	0.6	0.9
295	4/3/2020 12:03	0.6	0.9
296	4/3/2020 12:04	0.6	0.8
297	4/3/2020 12:05	0.6	0.8
298	4/3/2020 12:06	0.6	0.7
299	4/3/2020 12:07	0.6	0.7
300	4/3/2020 12:08	0.6	0.6
301	4/3/2020 12:09	0.6	0.5
302	4/3/2020 12:10	0.6	0.5
303	4/3/2020 12:11	0.6	0.5
304	4/3/2020 12:12	0.6	0.4
305	4/3/2020 12:13	0.6	0.4
306	4/3/2020 12:14	0.6	0.4
307	4/3/2020 12:15	0.6	0.4
308	4/3/2020 12:16	0.6	0.4
309	4/3/2020 12:17	0.6	0.4
310	4/3/2020 12:18	0.6	0.4
311	4/3/2020 12:19	0.6	0.4

312	4/3/2020 12:20	0.6	0.4
313	4/3/2020 12:21	0.6	0.4
314	4/3/2020 12:22	0.6	0.3
315	4/3/2020 12:23	0.6	0.3
316	4/3/2020 12:24	0.6	0.3
317	4/3/2020 12:25	0.6	0.3
318	4/3/2020 12:26	0.6	0.3
319	4/3/2020 12:27	0.6	0.3
320	4/3/2020 12:28	0.6	0.3
321	4/3/2020 12:29	0.6	0.2
322	4/3/2020 12:30	0.6	0.2
323	4/3/2020 12:31	0.6	0.2
324	4/3/2020 12:32	0.7	0.2
325	4/3/2020 12:33	0.7	0.2
326	4/3/2020 12:34	0.7	0.2
327	4/3/2020 12:35	0.7	0.2
328	4/3/2020 12:36	0.7	0.2
329	4/3/2020 12:37	0.7	0.2
330	4/3/2020 12:38	0.7	0.2
331	4/3/2020 12:39	0.7	0.2
332	4/3/2020 12:40	0.7	0.2
333	4/3/2020 12:41	0.7	0.2
334	4/3/2020 12:42	0.7	0.2
335	4/3/2020 12:43	0.7	0.2
336	4/3/2020 12:44	0.7	0.2
337	4/3/2020 12:45	0.7	0.2
338	4/3/2020 12:46	0.7	0.2
339	4/3/2020 12:47	0.7	0.2
340	4/3/2020 12:48	0.7	0.2
341	4/3/2020 12:49	0.7	0.2
342	4/3/2020 12:50	0.7	0.2
343	4/3/2020 12:51	0.7	0.3
344	4/3/2020 12:52	0.7	0.3
345	4/3/2020 12:53	0.7	0.3
346	4/3/2020 12:54	0.7	0.3
347	4/3/2020 12:55	0.7	0.3
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350	4/3/2020 12:58	0.7	0.3
351	4/3/2020 12:59	0.7	0.4
352	4/3/2020 13:00	0.7	0.4
353	4/3/2020 13:01	0.7	0.4
354	4/3/2020 13:02	0.7	0.5
355	4/3/2020 13:03	0.7	0.5
356	4/3/2020 13:04	0.7	0.5
357	4/3/2020 13:05	0.7	0.6
358	4/3/2020 13:06	0.7	0.7

359	4/3/2020 13:07	0.7	0.7
360	4/3/2020 13:08	0.7	0.9
361	4/3/2020 13:09	0.7	1.1
362	4/3/2020 13:10	0.7	1.5
363	4/3/2020 13:11	0.7	1.7
364	4/3/2020 13:12	0.7	1.9
365	4/3/2020 13:13	0.7	2.2
366	4/3/2020 13:14	0.7	2.3
367	4/3/2020 13:15	0.7	2.3
368	4/3/2020 13:16	0.7	2.3
369	4/3/2020 13:17	0.7	2.3
370	4/3/2020 13:18	0.7	2.3
371	4/3/2020 13:19	0.7	2.3
372	4/3/2020 13:20	0.7	2.3
373	4/3/2020 13:21	0.7	2.2
374	4/3/2020 13:22	0.7	2.2
375	4/3/2020 13:23	0.7	2.1
376	4/3/2020 13:24	0.7	2
377	4/3/2020 13:25	0.8	1.7
378	4/3/2020 13:26	0.8	1.4
379	4/3/2020 13:27	0.8	1.1
380	4/3/2020 13:28	0.8	0.9
381	4/3/2020 13:29	0.8	0.7
382	4/3/2020 13:30	0.8	0.6
383	4/3/2020 13:31	0.8	0.6
384	4/3/2020 13:32	0.8	0.6
385	4/3/2020 13:33	0.8	0.6
386	4/3/2020 13:34	0.8	0.6
387	4/3/2020 13:35	0.8	0.6
388	4/3/2020 13:36	0.8	0.7
389	4/3/2020 13:37	0.8	0.7
390	4/3/2020 13:38	0.8	0.7
391	4/3/2020 13:39	0.8	0.7
392	4/3/2020 13:40	0.8	0.7
393	4/3/2020 13:41	0.8	0.8
394	4/3/2020 13:42	0.8	0.8
395	4/3/2020 13:43	0.8	0.8
396	4/3/2020 13:44	0.8	0.8
397	4/3/2020 13:45	0.8	0.7
398	4/3/2020 13:46	0.8	0.7
399	4/3/2020 13:47	0.8	0.7
400	4/3/2020 13:48	0.8	0.6
401	4/3/2020 13:49	0.8	0.6
402	4/3/2020 13:50	0.8	0.5
403	4/3/2020 13:51	0.8	0.5
404	4/3/2020 13:52	0.8	0.4
405	4/3/2020 13:53	0.8	0.4

406	4/3/2020 13:54	0.8	0.3
407	4/3/2020 13:55	0.8	0.3
408	4/3/2020 13:56	0.8	0.3
409	4/3/2020 13:57	0.8	0.3
410	4/3/2020 13:58	0.8	0.2
411	4/3/2020 13:59	0.8	0.2
412	4/3/2020 14:00	0.8	0.2
413	4/3/2020 14:01	0.8	0.2
414	4/3/2020 14:02	0.8	0.2
415	4/3/2020 14:03	0.8	0.3
416	4/3/2020 14:04	0.8	0.3
417	4/3/2020 14:05	0.8	0.3
418	4/3/2020 14:06	0.8	0.3
419	4/3/2020 14:07	0.8	0.3
420	4/3/2020 14:08	0.8	0.2
421	4/3/2020 14:09	0.8	0.2
422	4/3/2020 14:10	0.8	0.2
423	4/3/2020 14:11	0.8	0.3
424	4/3/2020 14:12	0.8	0.3
425	4/3/2020 14:13	0.8	0.3
426	4/3/2020 14:14	0.8	0.3
427	4/3/2020 14:15	0.8	0.3
428	4/3/2020 14:16	0.8	0.3
429	4/3/2020 14:17	0.8	0.3
430	4/3/2020 14:18	0.8	0.3
431	4/3/2020 14:19	0.8	0.3
432	4/3/2020 14:20	0.8	0.3
433	4/3/2020 14:21	0.8	0.2
434	4/3/2020 14:22	0.8	0.2
435	4/3/2020 14:23	0.8	0.2
436	4/3/2020 14:24	0.8	0.2
437	4/3/2020 14:25	0.8	0.2
438	4/3/2020 14:26	0.8	0.2
439	4/3/2020 14:27	0.8	0.2
440	4/3/2020 14:28	0.8	0.1
441	4/3/2020 14:29	0.8	0.1
442	4/3/2020 14:30	0.8	0.1
443	4/3/2020 14:31	0.8	0
444	4/3/2020 14:32	0.8	0
445	4/3/2020 14:33	0.8	0
446	4/3/2020 14:34	0.8	0
447	4/3/2020 14:35	0.8	0
448	4/3/2020 14:36	0.8	0
449	4/3/2020 14:37	0.8	0
450	4/3/2020 14:38	0.8	0
451	4/3/2020 14:39	0.8	0
452	4/3/2020 14:40	0.8	0

453	4/3/2020 14:41	0.8	0
454	4/3/2020 14:42	0.8	0
455	4/3/2020 14:43	0.8	0
456	4/3/2020 14:44	0.8	0
457	4/3/2020 14:45	0.8	0
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461	4/3/2020 14:49	0.8	0
462	4/3/2020 14:50	0.8	0
463	4/3/2020 14:51	0.8	0
464	4/3/2020 14:52	0.8	0
465	4/3/2020 14:53	0.8	0
466	4/3/2020 14:54	0.8	0
467	4/3/2020 14:55	0.8	0
468	4/3/2020 14:56	0.8	0
469	4/3/2020 14:57	0.8	0
470	4/3/2020 14:58	0.8	0
471	4/3/2020 14:59	0.8	0
472	4/3/2020 15:00	0.8	0
473	4/3/2020 15:01	0.8	0
474	4/3/2020 15:02	0.8	0
475	4/3/2020 15:03	0.8	0
476	4/3/2020 15:04	0.8	0
477	4/3/2020 15:05	0.8	0
478	4/3/2020 15:06	0.8	0
479	4/3/2020 15:07	0.8	0
480	4/3/2020 15:08	0.8	0
481	4/3/2020 15:09	0.8	0
482	4/3/2020 15:10	0.8	0
483	4/3/2020 15:11	0.8	0
484	4/3/2020 15:12	0.8	0
485	4/3/2020 15:13	0.8	0
486	4/3/2020 15:14	0.8	0
487	4/3/2020 15:15	0.8	0
488	4/3/2020 15:16	0.8	0
489	4/3/2020 15:17	0.8	0
490	4/3/2020 15:18	0.8	0
491	4/3/2020 15:19	0.8	0
492	4/3/2020 15:20	0.8	0
493	4/3/2020 15:21	0.8	0
494	4/3/2020 15:22	0.8	0
495	4/3/2020 15:23	0.8	0
496	4/3/2020 15:24	0.8	0
497	4/3/2020 15:25	0.8	0
498	4/3/2020 15:26	0.8	0
499	4/3/2020 15:27	0.8	0

500	4/3/2020 15:28	0.8	0
501	4/3/2020 15:29	0.8	0
502	4/3/2020 15:30	0.8	0
503	4/3/2020 15:31	0.8	0
504	4/3/2020 15:32	0.8	0
505	4/3/2020 15:33	0.8	0
506	4/3/2020 15:34	0.8	0
507	4/3/2020 15:35	0.8	0
508	4/3/2020 15:36	0.8	0
509	4/3/2020 15:37	0.8	0
510	4/3/2020 15:38	0.8	0
511	4/3/2020 15:39	0.8	0
512	4/3/2020 15:40	0.8	0
513	4/3/2020 15:41	0.8	0
514	4/3/2020 15:42	0.8	0
515	4/3/2020 15:43	0.8	0
516	4/3/2020 15:44	0.8	0
517	4/3/2020 15:45	0.8	0
518	4/3/2020 15:46	0.8	0
519	4/3/2020 15:47	0.8	0
520	4/3/2020 15:48	0.8	0
521	4/3/2020 15:49	0.8	0
522	4/3/2020 15:50	0.8	0
523	4/3/2020 15:51	0.8	0
524	4/3/2020 15:52	0.8	0
525	4/3/2020 15:53	0.8	0
526	4/3/2020 15:54	0.8	0
527	4/3/2020 15:55	0.8	0
528	4/3/2020 15:56	0.8	0
529	4/3/2020 15:57	0.8	0
530	4/3/2020 15:58	0.8	0
531	4/3/2020 15:59	0.8	0
532	4/3/2020 16:00	0.8	0
533	4/3/2020 16:01	0.8	0
534	4/3/2020 16:02	0.8	0
535	4/3/2020 16:03	0.8	0
536	4/3/2020 16:04	0.8	0
537	4/3/2020 16:05	0.8	0
538	4/3/2020 16:06	0.8	0
539	4/3/2020 16:07	0.8	0
540	4/3/2020 16:08	0.8	0
541	4/3/2020 16:09	0.8	0
542	4/3/2020 16:10	0.8	0
543	4/3/2020 16:11	0.8	0
544	4/3/2020 16:12	0.8	0
545	4/3/2020 16:13	0.8	0
546	4/3/2020 16:14	0.8	0

547	4/3/2020 16:15	0.8	0
548	4/3/2020 16:16	0.8	0
549	4/3/2020 16:17	0.8	0
550	4/3/2020 16:18	0.8	0
551	4/3/2020 16:19	0.8	0
552	4/3/2020 16:20	0.8	0
553	4/3/2020 16:21	0.8	0
554	4/3/2020 16:22	0.8	0
555	4/3/2020 16:23	0.8	0
556	4/3/2020 16:24	0.8	0
557	4/3/2020 16:25	0.8	0
558	4/3/2020 16:26	0.8	0
559	4/3/2020 16:27	0.8	0
560	4/3/2020 16:28	0.8	0
561	4/3/2020 16:29	0.8	0
562	4/3/2020 16:30	0.8	0
563	4/3/2020 16:31	0.8	0
564	4/3/2020 16:32	0.8	0
565	4/3/2020 16:33	0.8	0
566	4/3/2020 16:34	0.8	0
567	4/3/2020 16:35	0.8	0
568	4/3/2020 16:36	0.8	0
569	4/3/2020 16:37	0.8	0
570	4/3/2020 16:38	0.8	0
571	4/3/2020 16:39	0.8	0
572	4/3/2020 16:40	0.8	0
573	4/3/2020 16:41	0.8	0
574	4/3/2020 16:42	0.8	0
575	4/3/2020 16:43	0.8	0
576	4/3/2020 16:44	0.8	0
577	4/3/2020 16:45	0.8	0
578	4/3/2020 16:46	0.8	0.1
579	4/3/2020 16:47	0.8	0.1
580	4/3/2020 16:48	0.8	0.1
581	4/3/2020 16:49	0.8	0.1
582	4/3/2020 16:50	0.8	0.1
583	4/3/2020 16:51	0.8	0.1
584	4/3/2020 16:52	0.8	0.2
585	4/3/2020 16:53	0.8	0.2
586	4/3/2020 16:54	0.8	0.2
587	4/3/2020 16:55	0.8	0.2
588	4/3/2020 16:56	0.8	0.2
589	4/3/2020 16:57	0.8	0.2
590	4/3/2020 16:58	0.8	0.2
591	4/3/2020 16:59	0.8	0.3
592	4/3/2020 17:00	0.8	0.3
593	4/3/2020 17:01	0.8	0.3

594	4/3/2020 17:02	0.8	0.3
595	4/3/2020 17:03	0.8	0.3
596	4/3/2020 17:04	0.8	0.3
597	4/3/2020 17:05	0.8	0.3
598	4/3/2020 17:06	0.8	0.3
599	4/3/2020 17:07	0.8	0.3
600	4/3/2020 17:08	0.8	0.3
601	4/3/2020 17:09	0.8	0.3
602	4/3/2020 17:10	0.8	0.3
603	4/3/2020 17:11	0.8	0.4
604	4/3/2020 17:12	0.8	0.4
605	4/3/2020 17:13	0.8	0.4
606	4/3/2020 17:14	0.8	0.4
607	4/3/2020 17:15	0.8	0.4
608	4/3/2020 17:16	0.8	0.4
609	4/3/2020 17:17	0.8	0.4
610	4/3/2020 17:18	0.8	0.4
611	4/3/2020 17:19	0.8	0.4
612	4/3/2020 17:20	0.8	0.4
613	4/3/2020 17:21	0.8	0.4
614	4/3/2020 17:22	0.8	0.4
615	4/3/2020 17:23	0.8	0.4
616	4/3/2020 17:24	0.8	0.4
617	4/3/2020 17:25	0.8	0.4
618	4/3/2020 17:26	0.8	0.4
619	4/3/2020 17:27	0.8	0.4
620	4/3/2020 17:28	0.8	0.4
621	4/3/2020 17:29	0.8	0.4
622	4/3/2020 17:30	0.8	0.4
623	4/3/2020 17:31	0.8	0.4
624	4/3/2020 17:32	0.8	0.4
625	4/3/2020 17:33	0.8	0.4
626	4/3/2020 17:34	0.8	0.4

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20/04/04 06:59
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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-918988
Unit Firmware Ver	V2.20A
Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down
Site ID	12345678
User ID	12345678
Begin	4/4/2020 6:59
End	4/4/2020 14:11
Sample Period(s)	60
Number of Records	432
Sensor	PID(ppm)
Sensor SN	S023030089A2
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	100
TWA Alarm	50
Measurement Gas	Isobutylene
Calibration Time	4/1/2020 9:04
Peak	6.6
Min	0
Average	1.5

****
Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	4/4/2020 7:00	0	0	0
2	4/4/2020 7:01	0	0	0
3	4/4/2020 7:02	0	0	0
4	4/4/2020 7:03	0	0	0
5	4/4/2020 7:04	0	0	0

6	4/4/2020 7:05	0	0	0
7	4/4/2020 7:06	0	0	0
8	4/4/2020 7:07	0	0	0
9	4/4/2020 7:08	0	0	0
10	4/4/2020 7:09	0	0	0
11	4/4/2020 7:10	0	0	0
12	4/4/2020 7:11	0	0	0
13	4/4/2020 7:12	0	0	0
14	4/4/2020 7:13	0	0	0
15	4/4/2020 7:14	0	0	0
16	4/4/2020 7:15	0	0	0
17	4/4/2020 7:16	0	0	0
18	4/4/2020 7:17	0	0	0
19	4/4/2020 7:18	0	0	0
20	4/4/2020 7:19	0	0	0
21	4/4/2020 7:20	0	0	0
22	4/4/2020 7:21	0	0	0
23	4/4/2020 7:22	0	0	0
24	4/4/2020 7:23	0	0	0
25	4/4/2020 7:24	0	0	0
26	4/4/2020 7:25	0	0	0
27	4/4/2020 7:26	0	0	0
28	4/4/2020 7:27	0	0	0
29	4/4/2020 7:28	0	0	0
30	4/4/2020 7:29	0	0	0
31	4/4/2020 7:30	0	0	0
32	4/4/2020 7:31	0	0	0
33	4/4/2020 7:32	0	0	0
34	4/4/2020 7:33	0	0	0
35	4/4/2020 7:34	0	0	0
36	4/4/2020 7:35	0	0	0
37	4/4/2020 7:36	0	0	0
38	4/4/2020 7:37	0	0	0
39	4/4/2020 7:38	0	0	0
40	4/4/2020 7:39	0	0	0
41	4/4/2020 7:40	0	0	0
42	4/4/2020 7:41	0	0	0
43	4/4/2020 7:42	0	0	0
44	4/4/2020 7:43	0	0	0
45	4/4/2020 7:44	0	0	0
46	4/4/2020 7:45	0	0.1	0
47	4/4/2020 7:46	0	0	0
48	4/4/2020 7:47	0.1	0.1	0
49	4/4/2020 7:48	0.1	0.1	0.1
50	4/4/2020 7:49	0.1	0.1	0.1
51	4/4/2020 7:50	0.1	0.1	0.1
52	4/4/2020 7:51	0.1	0.1	0.1

53	4/4/2020 7:52	0.1	0.1	0.1
54	4/4/2020 7:53	0.1	0.1	0.1
55	4/4/2020 7:54	0.1	0.1	0.1
56	4/4/2020 7:55	0.1	0.2	0.2
57	4/4/2020 7:56	0.2	0.2	0.1
58	4/4/2020 7:57	0.1	0.1	0.1
59	4/4/2020 7:58	0.1	0.1	0.1
60	4/4/2020 7:59	0.1	0.1	0.1
61	4/4/2020 8:00	0.1	0.2	0.2
62	4/4/2020 8:01	0.2	0.3	0.1
63	4/4/2020 8:02	0.2	0.3	0.3
64	4/4/2020 8:03	0.3	0.3	0.3
65	4/4/2020 8:04	0.3	0.3	0.2
66	4/4/2020 8:05	0.3	0.3	0.3
67	4/4/2020 8:06	0.2	0.3	0.2
68	4/4/2020 8:07	0.2	0.2	0.2
69	4/4/2020 8:08	0.2	0.2	0.2
70	4/4/2020 8:09	0.2	0.2	0.2
71	4/4/2020 8:10	0.3	0.3	0.3
72	4/4/2020 8:11	0.3	0.3	0.3
73	4/4/2020 8:12	0.3	0.4	0.4
74	4/4/2020 8:13	0.4	0.4	0.4
75	4/4/2020 8:14	0.4	0.4	0.4
76	4/4/2020 8:15	0.5	0.5	0.4
77	4/4/2020 8:16	0.4	0.5	0.5
78	4/4/2020 8:17	0.4	0.5	0.4
79	4/4/2020 8:18	0.4	0.5	0.4
80	4/4/2020 8:19	0.4	0.4	0.4
81	4/4/2020 8:20	0.4	0.4	0.4
82	4/4/2020 8:21	0.3	0.4	0.3
83	4/4/2020 8:22	0.3	0.3	0.3
84	4/4/2020 8:23	0.3	0.4	0.3
85	4/4/2020 8:24	0.3	0.3	0.3
86	4/4/2020 8:25	0.3	0.3	0.2
87	4/4/2020 8:26	0.2	0.3	0.2
88	4/4/2020 8:27	0.2	0.3	0.2
89	4/4/2020 8:28	0.2	0.3	0.2
90	4/4/2020 8:29	0.2	0.2	0.2
91	4/4/2020 8:30	0.2	0.2	0.2
92	4/4/2020 8:31	0.2	0.3	0.2
93	4/4/2020 8:32	0.2	0.2	0.2
94	4/4/2020 8:33	0.2	0.2	0.2
95	4/4/2020 8:34	0.2	0.2	0.2
96	4/4/2020 8:35	0.2	0.2	0.2
97	4/4/2020 8:36	0.2	0.2	0.2
98	4/4/2020 8:37	0.2	0.2	0.2
99	4/4/2020 8:38	0.2	0.2	0.2

100	4/4/2020 8:39	0.2	0.2	0.2
101	4/4/2020 8:40	0.2	0.2	0.2
102	4/4/2020 8:41	0.2	0.2	0.2
103	4/4/2020 8:42	0.2	0.2	0.2
104	4/4/2020 8:43	0.2	0.2	0.2
105	4/4/2020 8:44	0.2	0.2	0.1
106	4/4/2020 8:45	0.1	0.1	0.1
107	4/4/2020 8:46	0.1	0.2	0.1
108	4/4/2020 8:47	0.1	0.1	0.1
109	4/4/2020 8:48	0.1	0.2	0.2
110	4/4/2020 8:49	0.1	0.2	0.1
111	4/4/2020 8:50	0.1	0.2	0.1
112	4/4/2020 8:51	0.2	0.2	0.2
113	4/4/2020 8:52	0.1	0.2	0.1
114	4/4/2020 8:53	0.1	0.1	0.1
115	4/4/2020 8:54	0.1	0.1	0.1
116	4/4/2020 8:55	0.1	0.1	0.1
117	4/4/2020 8:56	0.1	0.1	0.1
118	4/4/2020 8:57	0.1	0.2	0.2
119	4/4/2020 8:58	0.2	0.2	0.2
120	4/4/2020 8:59	0.1	0.2	0.1
121	4/4/2020 9:00	0.1	0.2	0.1
122	4/4/2020 9:01	0.1	0.1	0.1
123	4/4/2020 9:02	0.1	0.1	0.1
124	4/4/2020 9:03	0.1	0.1	0.1
125	4/4/2020 9:04	0.1	0.1	0.1
126	4/4/2020 9:05	0.1	0.1	0.1
127	4/4/2020 9:06	0.1	0.2	0.2
128	4/4/2020 9:07	0.3	0.5	0.3
129	4/4/2020 9:08	0.5	0.8	0.8
130	4/4/2020 9:09	1.3	2.6	2.5
131	4/4/2020 9:10	2.2	2.9	2.7
132	4/4/2020 9:11	2.9	3.6	3
133	4/4/2020 9:12	3.3	4.3	3.3
134	4/4/2020 9:13	3.3	3.7	3.7
135	4/4/2020 9:14	3.4	4.1	4
136	4/4/2020 9:15	3.9	4.3	3.9
137	4/4/2020 9:16	4.1	4.5	4
138	4/4/2020 9:17	3.5	4.1	3.2
139	4/4/2020 9:18	2.9	3.3	2.1
140	4/4/2020 9:19	3	3.7	3.7
141	4/4/2020 9:20	3.4	3.8	3.4
142	4/4/2020 9:21	3	3.5	3
143	4/4/2020 9:22	2.6	2.9	2.4
144	4/4/2020 9:23	2.1	2.5	1.9
145	4/4/2020 9:24	1.9	2	1.9
146	4/4/2020 9:25	2.8	3.7	3.1

147	4/4/2020 9:26	3.6	4.2	2.8
148	4/4/2020 9:27	2.7	3.1	2.2
149	4/4/2020 9:28	2.2	2.4	2.4
150	4/4/2020 9:29	2.3	2.6	2
151	4/4/2020 9:30	2.3	2.7	2.6
152	4/4/2020 9:31	2.5	2.7	2.7
153	4/4/2020 9:32	3	3.4	2.5
154	4/4/2020 9:33	2.3	3	2.5
155	4/4/2020 9:34	2.4	2.7	2.2
156	4/4/2020 9:35	2.5	3.9	3.7
157	4/4/2020 9:36	3.2	4.2	4
158	4/4/2020 9:37	3.6	4	3.5
159	4/4/2020 9:38	3.3	3.5	3
160	4/4/2020 9:39	2.6	3	2.5
161	4/4/2020 9:40	2.7	3	2.9
162	4/4/2020 9:41	2.7	3.3	3.3
163	4/4/2020 9:42	3	3.6	3
164	4/4/2020 9:43	3.3	3.7	2.5
165	4/4/2020 9:44	2.8	3.3	2.7
166	4/4/2020 9:45	2.7	3.1	2.2
167	4/4/2020 9:46	2.6	3.1	2.8
168	4/4/2020 9:47	2.5	3.1	2
169	4/4/2020 9:48	2.2	2.4	2.3
170	4/4/2020 9:49	2.6	3	3
171	4/4/2020 9:50	3.5	4.4	2.7
172	4/4/2020 9:51	3.2	4.2	2.9
173	4/4/2020 9:52	3.3	4	3.2
174	4/4/2020 9:53	3.6	5	4.5
175	4/4/2020 9:54	5	6	5.8
176	4/4/2020 9:55	5.8	6.8	5.9
177	4/4/2020 9:56	4.4	6	5.4
178	4/4/2020 9:57	5.2	6.2	6.2
179	4/4/2020 9:58	5.2	7.6	4.1
180	4/4/2020 9:59	4.2	5.7	5.7
181	4/4/2020 10:00	6.3	6.9	6.6
182	4/4/2020 10:01	5.7	6.2	5.6
183	4/4/2020 10:02	5.8	6.2	5.6
184	4/4/2020 10:03	4.9	5.5	4.8
185	4/4/2020 10:04	5.1	5.5	4.7
186	4/4/2020 10:05	4.3	4.8	3.9
187	4/4/2020 10:06	4	4.7	4.7
188	4/4/2020 10:07	5.2	5.6	5.6
189	4/4/2020 10:08	5.3	5.7	4.3
190	4/4/2020 10:09	4.6	5	4.6
191	4/4/2020 10:10	4.6	5	4.8
192	4/4/2020 10:11	4.8	5	4.7
193	4/4/2020 10:12	4.5	4.8	4.8

194	4/4/2020 10:13	4.9	5.2	5.1
195	4/4/2020 10:14	4.8	5.1	4.6
196	4/4/2020 10:15	4.7	4.9	4.6
197	4/4/2020 10:16	4.3	4.6	4.3
198	4/4/2020 10:17	4.5	4.9	4.2
199	4/4/2020 10:18	4	4.3	3.9
200	4/4/2020 10:19	4.8	5.4	5.2
201	4/4/2020 10:20	5.6	6	5.9
202	4/4/2020 10:21	5.9	6.9	5.8
203	4/4/2020 10:22	5.3	5.6	4.9
204	4/4/2020 10:23	4.6	4.9	4.5
205	4/4/2020 10:24	5.4	6.4	5.7
206	4/4/2020 10:25	5.2	5.8	4.7
207	4/4/2020 10:26	4.3	4.8	4
208	4/4/2020 10:27	3.8	4.2	3.2
209	4/4/2020 10:28	3.5	3.9	3.9
210	4/4/2020 10:29	4.1	4.5	3.9
211	4/4/2020 10:30	3.6	3.8	3.3
212	4/4/2020 10:31	3.4	3.7	3.4
213	4/4/2020 10:32	3.4	3.7	3.6
214	4/4/2020 10:33	3.8	4.2	3.1
215	4/4/2020 10:34	2.9	3.3	2.9
216	4/4/2020 10:35	2.9	3	2.9
217	4/4/2020 10:36	2.7	2.9	2.6
218	4/4/2020 10:37	2.8	3	3
219	4/4/2020 10:38	2.8	3.3	2.5
220	4/4/2020 10:39	2.4	2.8	2.1
221	4/4/2020 10:40	2.2	2.8	2.1
222	4/4/2020 10:41	2.5	2.8	2.6
223	4/4/2020 10:42	2.5	2.8	2.3
224	4/4/2020 10:43	2.2	2.3	2.1
225	4/4/2020 10:44	2.1	2.8	1.9
226	4/4/2020 10:45	1.8	1.9	1.8
227	4/4/2020 10:46	2	2.3	1.9
228	4/4/2020 10:47	2.1	2.3	2.3
229	4/4/2020 10:48	2.2	2.5	2.3
230	4/4/2020 10:49	2.2	2.4	2.4
231	4/4/2020 10:50	2.5	2.8	2.3
232	4/4/2020 10:51	2.6	3.2	2.3
233	4/4/2020 10:52	2.8	3.1	2.7
234	4/4/2020 10:53	2.3	2.9	2
235	4/4/2020 10:54	2.3	2.6	2.5
236	4/4/2020 10:55	2.4	2.7	2.2
237	4/4/2020 10:56	2.1	2.3	2
238	4/4/2020 10:57	2.2	2.7	2.3
239	4/4/2020 10:58	2.5	2.9	2.8
240	4/4/2020 10:59	2.8	3.1	2.8

241	4/4/2020 11:00	2.9	3.2	3.2
242	4/4/2020 11:01	2.6	3.2	2.7
243	4/4/2020 11:02	2.4	2.9	2.6
244	4/4/2020 11:03	2.7	3	2.7
245	4/4/2020 11:04	3	3.2	2.8
246	4/4/2020 11:05	2.8	3.4	3.4
247	4/4/2020 11:06	3.3	3.6	3.4
248	4/4/2020 11:07	3.4	3.5	3.4
249	4/4/2020 11:08	3.8	4.3	4.2
250	4/4/2020 11:09	4.4	5	4.8
251	4/4/2020 11:10	4.6	4.8	4.2
252	4/4/2020 11:11	4.3	4.8	4.2
253	4/4/2020 11:12	4.2	4.9	3.9
254	4/4/2020 11:13	4.1	4.2	4
255	4/4/2020 11:14	4.6	5.2	4
256	4/4/2020 11:15	3.8	4	3.4
257	4/4/2020 11:16	3	3.4	2.8
258	4/4/2020 11:17	3.4	4	3.2
259	4/4/2020 11:18	3.4	3.9	3.8
260	4/4/2020 11:19	4.4	5.5	5.2
261	4/4/2020 11:20	5	6.1	5
262	4/4/2020 11:21	5.7	7.3	4.9
263	4/4/2020 11:22	5.8	7.1	6
264	4/4/2020 11:23	5.5	6.5	4.9
265	4/4/2020 11:24	4.5	5.6	2.5
266	4/4/2020 11:25	4.3	7	2.8
267	4/4/2020 11:26	1.6	2.4	1.5
268	4/4/2020 11:27	1.3	1.7	1.3
269	4/4/2020 11:28	1.1	1.4	1.3
270	4/4/2020 11:29	1.8	2.5	1.3
271	4/4/2020 11:30	1.2	1.5	1.1
272	4/4/2020 11:31	1.3	1.7	1.6
273	4/4/2020 11:32	1.7	2.1	1.9
274	4/4/2020 11:33	1.9	3.2	2.7
275	4/4/2020 11:34	1.9	2.6	1.4
276	4/4/2020 11:35	2.2	2.8	2.1
277	4/4/2020 11:36	1.7	2.4	1.9
278	4/4/2020 11:37	1.8	2.2	2.1
279	4/4/2020 11:38	1.9	3.3	3.3
280	4/4/2020 11:39	2.5	3.4	2.7
281	4/4/2020 11:40	2.7	3.6	2.5
282	4/4/2020 11:41	2.8	3.6	2.5
283	4/4/2020 11:42	2.4	3.5	2.3
284	4/4/2020 11:43	1.8	2.5	2
285	4/4/2020 11:44	2.1	2.8	2.8
286	4/4/2020 11:45	2.8	3.5	3
287	4/4/2020 11:46	3	3.8	2.5

288	4/4/2020 11:47	2.6	3.1	2.6
289	4/4/2020 11:48	2.5	3.1	2.1
290	4/4/2020 11:49	1.8	2.2	1.6
291	4/4/2020 11:50	1.5	2.2	2.2
292	4/4/2020 11:51	1.7	2.2	2.1
293	4/4/2020 11:52	1.8	2.2	1.3
294	4/4/2020 11:53	1.9	2.5	1.7
295	4/4/2020 11:54	1.8	2.2	1.6
296	4/4/2020 11:55	1.6	2.6	1.6
297	4/4/2020 11:56	2	3	1.7
298	4/4/2020 11:57	1.5	2.1	2.1
299	4/4/2020 11:58	1.9	2.7	1.9
300	4/4/2020 11:59	1.8	2.1	1.5
301	4/4/2020 12:00	1.2	1.5	1.1
302	4/4/2020 12:01	1.4	2	1.5
303	4/4/2020 12:02	1.4	2.1	2.1
304	4/4/2020 12:03	1.4	2.1	1.3
305	4/4/2020 12:04	1.5	1.8	1.8
306	4/4/2020 12:05	1.9	2.4	2.1
307	4/4/2020 12:06	1.4	2	0.8
308	4/4/2020 12:07	1.3	1.8	1.4
309	4/4/2020 12:08	1.5	2.1	1.3
310	4/4/2020 12:09	1.6	1.9	1.5
311	4/4/2020 12:10	1.5	1.8	1.3
312	4/4/2020 12:11	1.4	1.6	1.6
313	4/4/2020 12:12	1.3	1.7	1.1
314	4/4/2020 12:13	1	1.2	1
315	4/4/2020 12:14	0.8	1.1	0.9
316	4/4/2020 12:15	0.9	1.3	0.9
317	4/4/2020 12:16	1.2	1.6	1
318	4/4/2020 12:17	1	1.2	0.9
319	4/4/2020 12:18	0.9	1.1	1
320	4/4/2020 12:19	0.9	1.2	1.1
321	4/4/2020 12:20	1.1	1.3	1.2
322	4/4/2020 12:21	0.9	1.1	0.8
323	4/4/2020 12:22	0.7	0.8	0.8
324	4/4/2020 12:23	0.7	1	0.9
325	4/4/2020 12:24	0.8	1	1
326	4/4/2020 12:25	0.8	1.1	0.7
327	4/4/2020 12:26	0.7	1	0.8
328	4/4/2020 12:27	1	1.1	1.1
329	4/4/2020 12:28	0.9	1.1	0.9
330	4/4/2020 12:29	0.8	1	0.8
331	4/4/2020 12:30	0.6	0.9	0.6
332	4/4/2020 12:31	0.7	0.8	0.6
333	4/4/2020 12:32	0.7	0.9	0.6
334	4/4/2020 12:33	0.7	1	0.7

335	4/4/2020 12:34	0.7	0.9	0.6
336	4/4/2020 12:35	0.5	0.7	0.6
337	4/4/2020 12:36	0.5	0.7	0.5
338	4/4/2020 12:37	0.6	0.7	0.6
339	4/4/2020 12:38	0.6	0.8	0.5
340	4/4/2020 12:39	0.6	0.7	0.6
341	4/4/2020 12:40	0.7	0.9	0.6
342	4/4/2020 12:41	0.6	0.8	0.4
343	4/4/2020 12:42	0.7	0.8	0.7
344	4/4/2020 12:43	0.6	0.8	0.5
345	4/4/2020 12:44	0.5	0.7	0.5
346	4/4/2020 12:45	0.5	0.7	0.4
347	4/4/2020 12:46	0.5	0.7	0.4
348	4/4/2020 12:47	0.5	0.6	0.3
349	4/4/2020 12:48	0.5	0.6	0.6
350	4/4/2020 12:49	0.5	0.6	0.6
351	4/4/2020 12:50	0.4	0.6	0.5
352	4/4/2020 12:51	0.4	0.5	0.3
353	4/4/2020 12:52	0.4	0.7	0.5
354	4/4/2020 12:53	0.5	0.7	0.3
355	4/4/2020 12:54	0.4	0.6	0.5
356	4/4/2020 12:55	0.5	0.5	0.5
357	4/4/2020 12:56	0.4	0.6	0.6
358	4/4/2020 12:57	0.4	0.5	0.3
359	4/4/2020 12:58	0.4	0.5	0.4
360	4/4/2020 12:59	0.4	0.5	0.3
361	4/4/2020 13:00	0.3	0.4	0.2
362	4/4/2020 13:01	0.3	0.5	0.3
363	4/4/2020 13:02	0.3	0.4	0.3
364	4/4/2020 13:03	0.4	0.5	0.5
365	4/4/2020 13:04	0.4	0.5	0.5
366	4/4/2020 13:05	0.4	0.5	0.4
367	4/4/2020 13:06	0.3	0.4	0.3
368	4/4/2020 13:07	0.3	0.5	0.2
369	4/4/2020 13:08	0.2	0.4	0.2
370	4/4/2020 13:09	0.2	0.4	0.2
371	4/4/2020 13:10	0.4	0.5	0.5
372	4/4/2020 13:11	0.3	0.5	0.3
373	4/4/2020 13:12	0.3	0.4	0.2
374	4/4/2020 13:13	0.3	0.4	0.3
375	4/4/2020 13:14	0.3	0.4	0.3
376	4/4/2020 13:15	0.4	0.6	0.4
377	4/4/2020 13:16	0.4	0.5	0.4
378	4/4/2020 13:17	0.3	0.5	0.3
379	4/4/2020 13:18	0.3	0.6	0.3
380	4/4/2020 13:19	0.3	0.4	0.3
381	4/4/2020 13:20	0.3	0.4	0.3

382	4/4/2020 13:21	0.3	0.5	0.3
383	4/4/2020 13:22	0.3	0.4	0.3
384	4/4/2020 13:23	0.2	0.4	0.4
385	4/4/2020 13:24	0.4	0.6	0.4
386	4/4/2020 13:25	0.5	0.6	0.3
387	4/4/2020 13:26	0.3	0.4	0.4
388	4/4/2020 13:27	0.4	0.5	0.4
389	4/4/2020 13:28	0.4	0.4	0.4
390	4/4/2020 13:29	0.4	0.4	0.4
391	4/4/2020 13:30	0.4	0.5	0.5
392	4/4/2020 13:31	0.4	0.5	0.4
393	4/4/2020 13:32	0.4	0.4	0.4
394	4/4/2020 13:33	0.3	0.4	0.4
395	4/4/2020 13:34	0.3	0.4	0.4
396	4/4/2020 13:35	0.3	0.5	0.4
397	4/4/2020 13:36	0.3	0.4	0.2
398	4/4/2020 13:37	0.2	0.3	0.1
399	4/4/2020 13:38	0.2	0.4	0.3
400	4/4/2020 13:39	0.2	0.4	0.2
401	4/4/2020 13:40	0.3	0.4	0.3
402	4/4/2020 13:41	0.2	0.3	0.3
403	4/4/2020 13:42	0.2	0.4	0.2
404	4/4/2020 13:43	0.2	0.4	0.4
405	4/4/2020 13:44	0.3	0.4	0.3
406	4/4/2020 13:45	0.3	0.4	0.2
407	4/4/2020 13:46	0.3	0.4	0.4
408	4/4/2020 13:47	0.3	0.5	0.2
409	4/4/2020 13:48	0.2	0.3	0.1
410	4/4/2020 13:49	0.2	0.4	0.2
411	4/4/2020 13:50	0.3	0.5	0.3
412	4/4/2020 13:51	0.3	0.5	0.3
413	4/4/2020 13:52	0.2	0.3	0.3
414	4/4/2020 13:53	0.2	0.3	0.2
415	4/4/2020 13:54	0.2	0.4	0.3
416	4/4/2020 13:55	0.3	0.4	0.1
417	4/4/2020 13:56	0.2	0.3	0.3
418	4/4/2020 13:57	0.3	0.3	0.1
419	4/4/2020 13:58	0.2	0.3	0.2
420	4/4/2020 13:59	0.2	0.3	0.2
421	4/4/2020 14:00	0.2	0.3	0.3
422	4/4/2020 14:01	0.2	0.3	0.2
423	4/4/2020 14:02	0.2	0.3	0.3
424	4/4/2020 14:03	0.2	0.3	0.2
425	4/4/2020 14:04	0.2	0.4	0.2
426	4/4/2020 14:05	0.3	0.3	0.3
427	4/4/2020 14:06	0.2	0.3	0.2
428	4/4/2020 14:07	0.2	0.3	0.3

	429	4/4/2020 14:08	0.3	0.3	0.3
	430	4/4/2020 14:09	0.3	0.3	0.1
	431	4/4/2020 14:10	0.3	0.4	0.2
	432	4/4/2020 14:11	0.2	0.4	0.2
Peak			6.3	7.6	6.6
Min			0	0	0
Average			1.5	1.8	1.5

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	4/4/2020 7:00	0	---
2	4/4/2020 7:01	0	---
3	4/4/2020 7:02	0	---
4	4/4/2020 7:03	0	---
5	4/4/2020 7:04	0	---
6	4/4/2020 7:05	0	---
7	4/4/2020 7:06	0	---
8	4/4/2020 7:07	0	---
9	4/4/2020 7:08	0	---
10	4/4/2020 7:09	0	---
11	4/4/2020 7:10	0	---
12	4/4/2020 7:11	0	---
13	4/4/2020 7:12	0	---
14	4/4/2020 7:13	0	---
15	4/4/2020 7:14	0	0
16	4/4/2020 7:15	0	0
17	4/4/2020 7:16	0	0
18	4/4/2020 7:17	0	0
19	4/4/2020 7:18	0	0
20	4/4/2020 7:19	0	0
21	4/4/2020 7:20	0	0
22	4/4/2020 7:21	0	0
23	4/4/2020 7:22	0	0
24	4/4/2020 7:23	0	0
25	4/4/2020 7:24	0	0
26	4/4/2020 7:25	0	0
27	4/4/2020 7:26	0	0
28	4/4/2020 7:27	0	0
29	4/4/2020 7:28	0	0
30	4/4/2020 7:29	0	0
31	4/4/2020 7:30	0	0
32	4/4/2020 7:31	0	0
33	4/4/2020 7:32	0	0
34	4/4/2020 7:33	0	0
35	4/4/2020 7:34	0	0

36	4/4/2020 7:35	0	0
37	4/4/2020 7:36	0	0
38	4/4/2020 7:37	0	0
39	4/4/2020 7:38	0	0
40	4/4/2020 7:39	0	0
41	4/4/2020 7:40	0	0
42	4/4/2020 7:41	0	0
43	4/4/2020 7:42	0	0
44	4/4/2020 7:43	0	0
45	4/4/2020 7:44	0	0
46	4/4/2020 7:45	0	0
47	4/4/2020 7:46	0	0
48	4/4/2020 7:47	0	0
49	4/4/2020 7:48	0	0
50	4/4/2020 7:49	0	0
51	4/4/2020 7:50	0	0
52	4/4/2020 7:51	0	0
53	4/4/2020 7:52	0	0
54	4/4/2020 7:53	0	0
55	4/4/2020 7:54	0	0
56	4/4/2020 7:55	0	0.1
57	4/4/2020 7:56	0	0.1
58	4/4/2020 7:57	0	0.1
59	4/4/2020 7:58	0	0.1
60	4/4/2020 7:59	0	0.1
61	4/4/2020 8:00	0	0.1
62	4/4/2020 8:01	0	0.1
63	4/4/2020 8:02	0	0.1
64	4/4/2020 8:03	0	0.1
65	4/4/2020 8:04	0	0.2
66	4/4/2020 8:05	0	0.2
67	4/4/2020 8:06	0	0.2
68	4/4/2020 8:07	0	0.2
69	4/4/2020 8:08	0	0.2
70	4/4/2020 8:09	0	0.2
71	4/4/2020 8:10	0	0.2
72	4/4/2020 8:11	0	0.2
73	4/4/2020 8:12	0	0.2
74	4/4/2020 8:13	0	0.3
75	4/4/2020 8:14	0	0.3
76	4/4/2020 8:15	0	0.3
77	4/4/2020 8:16	0	0.3
78	4/4/2020 8:17	0	0.3
79	4/4/2020 8:18	0	0.3
80	4/4/2020 8:19	0	0.3
81	4/4/2020 8:20	0	0.4
82	4/4/2020 8:21	0	0.4

83	4/4/2020 8:22	0	0.4
84	4/4/2020 8:23	0	0.4
85	4/4/2020 8:24	0	0.4
86	4/4/2020 8:25	0	0.4
87	4/4/2020 8:26	0	0.4
88	4/4/2020 8:27	0	0.4
89	4/4/2020 8:28	0	0.4
90	4/4/2020 8:29	0	0.3
91	4/4/2020 8:30	0	0.3
92	4/4/2020 8:31	0	0.3
93	4/4/2020 8:32	0	0.3
94	4/4/2020 8:33	0	0.3
95	4/4/2020 8:34	0	0.3
96	4/4/2020 8:35	0	0.3
97	4/4/2020 8:36	0	0.2
98	4/4/2020 8:37	0	0.2
99	4/4/2020 8:38	0	0.2
100	4/4/2020 8:39	0	0.2
101	4/4/2020 8:40	0	0.2
102	4/4/2020 8:41	0	0.2
103	4/4/2020 8:42	0	0.2
104	4/4/2020 8:43	0	0.2
105	4/4/2020 8:44	0	0.2
106	4/4/2020 8:45	0	0.2
107	4/4/2020 8:46	0	0.2
108	4/4/2020 8:47	0	0.2
109	4/4/2020 8:48	0	0.2
110	4/4/2020 8:49	0	0.2
111	4/4/2020 8:50	0	0.2
112	4/4/2020 8:51	0	0.2
113	4/4/2020 8:52	0	0.2
114	4/4/2020 8:53	0	0.2
115	4/4/2020 8:54	0	0.2
116	4/4/2020 8:55	0	0.1
117	4/4/2020 8:56	0	0.1
118	4/4/2020 8:57	0	0.1
119	4/4/2020 8:58	0	0.1
120	4/4/2020 8:59	0	0.1
121	4/4/2020 9:00	0	0.1
122	4/4/2020 9:01	0	0.1
123	4/4/2020 9:02	0	0.1
124	4/4/2020 9:03	0	0.1
125	4/4/2020 9:04	0	0.1
126	4/4/2020 9:05	0	0.1
127	4/4/2020 9:06	0	0.1
128	4/4/2020 9:07	0	0.1
129	4/4/2020 9:08	0	0.2

130	4/4/2020 9:09	0	0.3
131	4/4/2020 9:10	0	0.5
132	4/4/2020 9:11	0.1	0.7
133	4/4/2020 9:12	0.1	0.9
134	4/4/2020 9:13	0.1	1.2
135	4/4/2020 9:14	0.1	1.4
136	4/4/2020 9:15	0.1	1.7
137	4/4/2020 9:16	0.1	1.9
138	4/4/2020 9:17	0.1	2.1
139	4/4/2020 9:18	0.1	2.3
140	4/4/2020 9:19	0.1	2.5
141	4/4/2020 9:20	0.1	2.7
142	4/4/2020 9:21	0.1	2.9
143	4/4/2020 9:22	0.1	3.1
144	4/4/2020 9:23	0.1	3.2
145	4/4/2020 9:24	0.1	3.2
146	4/4/2020 9:25	0.1	3.3
147	4/4/2020 9:26	0.1	3.3
148	4/4/2020 9:27	0.2	3.2
149	4/4/2020 9:28	0.2	3.2
150	4/4/2020 9:29	0.2	3.1
151	4/4/2020 9:30	0.2	3
152	4/4/2020 9:31	0.2	2.9
153	4/4/2020 9:32	0.2	2.8
154	4/4/2020 9:33	0.2	2.7
155	4/4/2020 9:34	0.2	2.8
156	4/4/2020 9:35	0.2	2.8
157	4/4/2020 9:36	0.2	2.8
158	4/4/2020 9:37	0.2	2.8
159	4/4/2020 9:38	0.2	2.9
160	4/4/2020 9:39	0.2	2.9
161	4/4/2020 9:40	0.2	3
162	4/4/2020 9:41	0.2	3
163	4/4/2020 9:42	0.2	3
164	4/4/2020 9:43	0.2	3
165	4/4/2020 9:44	0.3	3
166	4/4/2020 9:45	0.3	3.1
167	4/4/2020 9:46	0.3	3.1
168	4/4/2020 9:47	0.3	3
169	4/4/2020 9:48	0.3	3
170	4/4/2020 9:49	0.3	3
171	4/4/2020 9:50	0.3	3.1
172	4/4/2020 9:51	0.3	3
173	4/4/2020 9:52	0.3	3
174	4/4/2020 9:53	0.3	3
175	4/4/2020 9:54	0.3	3.2
176	4/4/2020 9:55	0.3	3.4

177	4/4/2020 9:56	0.3	3.6
178	4/4/2020 9:57	0.4	3.8
179	4/4/2020 9:58	0.4	3.9
180	4/4/2020 9:59	0.4	4.1
181	4/4/2020 10:00	0.4	4.4
182	4/4/2020 10:01	0.4	4.6
183	4/4/2020 10:02	0.4	4.8
184	4/4/2020 10:03	0.4	5
185	4/4/2020 10:04	0.4	5.1
186	4/4/2020 10:05	0.4	5.2
187	4/4/2020 10:06	0.5	5.3
188	4/4/2020 10:07	0.5	5.5
189	4/4/2020 10:08	0.5	5.6
190	4/4/2020 10:09	0.5	5.6
191	4/4/2020 10:10	0.5	5.5
192	4/4/2020 10:11	0.5	5.4
193	4/4/2020 10:12	0.5	5.4
194	4/4/2020 10:13	0.5	5.3
195	4/4/2020 10:14	0.5	5.3
196	4/4/2020 10:15	0.5	5.3
197	4/4/2020 10:16	0.5	5.1
198	4/4/2020 10:17	0.6	5
199	4/4/2020 10:18	0.6	4.9
200	4/4/2020 10:19	0.6	4.9
201	4/4/2020 10:20	0.6	5
202	4/4/2020 10:21	0.6	5.1
203	4/4/2020 10:22	0.6	5.2
204	4/4/2020 10:23	0.6	5.1
205	4/4/2020 10:24	0.6	5.2
206	4/4/2020 10:25	0.6	5.2
207	4/4/2020 10:26	0.7	5.1
208	4/4/2020 10:27	0.7	5
209	4/4/2020 10:28	0.7	5
210	4/4/2020 10:29	0.7	4.9
211	4/4/2020 10:30	0.7	4.8
212	4/4/2020 10:31	0.7	4.7
213	4/4/2020 10:32	0.7	4.7
214	4/4/2020 10:33	0.7	4.6
215	4/4/2020 10:34	0.7	4.5
216	4/4/2020 10:35	0.7	4.4
217	4/4/2020 10:36	0.7	4.2
218	4/4/2020 10:37	0.7	4
219	4/4/2020 10:38	0.7	3.8
220	4/4/2020 10:39	0.7	3.7
221	4/4/2020 10:40	0.7	3.4
222	4/4/2020 10:41	0.7	3.3
223	4/4/2020 10:42	0.7	3.2

224	4/4/2020 10:43	0.8	3.1
225	4/4/2020 10:44	0.8	3
226	4/4/2020 10:45	0.8	2.8
227	4/4/2020 10:46	0.8	2.7
228	4/4/2020 10:47	0.8	2.6
229	4/4/2020 10:48	0.8	2.6
230	4/4/2020 10:49	0.8	2.5
231	4/4/2020 10:50	0.8	2.5
232	4/4/2020 10:51	0.8	2.4
233	4/4/2020 10:52	0.8	2.4
234	4/4/2020 10:53	0.8	2.4
235	4/4/2020 10:54	0.8	2.4
236	4/4/2020 10:55	0.8	2.4
237	4/4/2020 10:56	0.8	2.4
238	4/4/2020 10:57	0.8	2.4
239	4/4/2020 10:58	0.8	2.4
240	4/4/2020 10:59	0.8	2.4
241	4/4/2020 11:00	0.8	2.5
242	4/4/2020 11:01	0.8	2.6
243	4/4/2020 11:02	0.8	2.6
244	4/4/2020 11:03	0.9	2.7
245	4/4/2020 11:04	0.9	2.7
246	4/4/2020 11:05	0.9	2.8
247	4/4/2020 11:06	0.9	2.8
248	4/4/2020 11:07	0.9	2.9
249	4/4/2020 11:08	0.9	3
250	4/4/2020 11:09	0.9	3.2
251	4/4/2020 11:10	0.9	3.3
252	4/4/2020 11:11	0.9	3.4
253	4/4/2020 11:12	0.9	3.6
254	4/4/2020 11:13	0.9	3.7
255	4/4/2020 11:14	0.9	3.8
256	4/4/2020 11:15	0.9	3.8
257	4/4/2020 11:16	1	3.8
258	4/4/2020 11:17	1	3.8
259	4/4/2020 11:18	1	3.9
260	4/4/2020 11:19	1	4
261	4/4/2020 11:20	1	4.2
262	4/4/2020 11:21	1	4.3
263	4/4/2020 11:22	1	4.5
264	4/4/2020 11:23	1	4.6
265	4/4/2020 11:24	1	4.5
266	4/4/2020 11:25	1	4.3
267	4/4/2020 11:26	1	4.1
268	4/4/2020 11:27	1	3.9
269	4/4/2020 11:28	1	3.8
270	4/4/2020 11:29	1	3.6

271	4/4/2020 11:30	1	3.4
272	4/4/2020 11:31	1.1	3.3
273	4/4/2020 11:32	1.1	3.2
274	4/4/2020 11:33	1.1	3.2
275	4/4/2020 11:34	1.1	3
276	4/4/2020 11:35	1.1	2.8
277	4/4/2020 11:36	1.1	2.6
278	4/4/2020 11:37	1.1	2.4
279	4/4/2020 11:38	1.1	2.2
280	4/4/2020 11:39	1.1	2.1
281	4/4/2020 11:40	1.1	2.1
282	4/4/2020 11:41	1.1	2.1
283	4/4/2020 11:42	1.1	2.1
284	4/4/2020 11:43	1.1	2.2
285	4/4/2020 11:44	1.1	2.3
286	4/4/2020 11:45	1.1	2.4
287	4/4/2020 11:46	1.1	2.5
288	4/4/2020 11:47	1.1	2.6
289	4/4/2020 11:48	1.1	2.6
290	4/4/2020 11:49	1.1	2.5
291	4/4/2020 11:50	1.1	2.5
292	4/4/2020 11:51	1.1	2.5
293	4/4/2020 11:52	1.1	2.5
294	4/4/2020 11:53	1.2	2.5
295	4/4/2020 11:54	1.2	2.4
296	4/4/2020 11:55	1.2	2.3
297	4/4/2020 11:56	1.2	2.2
298	4/4/2020 11:57	1.2	2.2
299	4/4/2020 11:58	1.2	2.2
300	4/4/2020 11:59	1.2	2.2
301	4/4/2020 12:00	1.2	2
302	4/4/2020 12:01	1.2	1.9
303	4/4/2020 12:02	1.2	1.9
304	4/4/2020 12:03	1.2	1.8
305	4/4/2020 12:04	1.2	1.8
306	4/4/2020 12:05	1.2	1.8
307	4/4/2020 12:06	1.2	1.7
308	4/4/2020 12:07	1.2	1.7
309	4/4/2020 12:08	1.2	1.7
310	4/4/2020 12:09	1.2	1.7
311	4/4/2020 12:10	1.2	1.7
312	4/4/2020 12:11	1.2	1.7
313	4/4/2020 12:12	1.2	1.6
314	4/4/2020 12:13	1.2	1.6
315	4/4/2020 12:14	1.2	1.5
316	4/4/2020 12:15	1.2	1.4
317	4/4/2020 12:16	1.2	1.4

318	4/4/2020 12:17	1.2	1.4
319	4/4/2020 12:18	1.2	1.3
320	4/4/2020 12:19	1.2	1.3
321	4/4/2020 12:20	1.2	1.3
322	4/4/2020 12:21	1.2	1.2
323	4/4/2020 12:22	1.2	1.2
324	4/4/2020 12:23	1.2	1.2
325	4/4/2020 12:24	1.2	1.1
326	4/4/2020 12:25	1.2	1.1
327	4/4/2020 12:26	1.2	1
328	4/4/2020 12:27	1.2	1
329	4/4/2020 12:28	1.2	1
330	4/4/2020 12:29	1.2	1
331	4/4/2020 12:30	1.2	1
332	4/4/2020 12:31	1.3	0.9
333	4/4/2020 12:32	1.3	0.9
334	4/4/2020 12:33	1.3	0.9
335	4/4/2020 12:34	1.3	0.9
336	4/4/2020 12:35	1.3	0.8
337	4/4/2020 12:36	1.3	0.8
338	4/4/2020 12:37	1.3	0.8
339	4/4/2020 12:38	1.3	0.8
340	4/4/2020 12:39	1.3	0.7
341	4/4/2020 12:40	1.3	0.7
342	4/4/2020 12:41	1.3	0.7
343	4/4/2020 12:42	1.3	0.7
344	4/4/2020 12:43	1.3	0.7
345	4/4/2020 12:44	1.3	0.6
346	4/4/2020 12:45	1.3	0.6
347	4/4/2020 12:46	1.3	0.6
348	4/4/2020 12:47	1.3	0.6
349	4/4/2020 12:48	1.3	0.6
350	4/4/2020 12:49	1.3	0.6
351	4/4/2020 12:50	1.3	0.6
352	4/4/2020 12:51	1.3	0.5
353	4/4/2020 12:52	1.3	0.5
354	4/4/2020 12:53	1.3	0.5
355	4/4/2020 12:54	1.3	0.5
356	4/4/2020 12:55	1.3	0.5
357	4/4/2020 12:56	1.3	0.5
358	4/4/2020 12:57	1.3	0.5
359	4/4/2020 12:58	1.3	0.5
360	4/4/2020 12:59	1.3	0.5
361	4/4/2020 13:00	1.3	0.4
362	4/4/2020 13:01	1.3	0.4
363	4/4/2020 13:02	1.3	0.4
364	4/4/2020 13:03	1.3	0.4

365	4/4/2020 13:04	1.3	0.4
366	4/4/2020 13:05	1.3	0.4
367	4/4/2020 13:06	1.3	0.4
368	4/4/2020 13:07	1.3	0.4
369	4/4/2020 13:08	1.3	0.4
370	4/4/2020 13:09	1.3	0.4
371	4/4/2020 13:10	1.3	0.4
372	4/4/2020 13:11	1.3	0.4
373	4/4/2020 13:12	1.3	0.3
374	4/4/2020 13:13	1.3	0.3
375	4/4/2020 13:14	1.3	0.3
376	4/4/2020 13:15	1.3	0.3
377	4/4/2020 13:16	1.3	0.4
378	4/4/2020 13:17	1.3	0.4
379	4/4/2020 13:18	1.3	0.4
380	4/4/2020 13:19	1.3	0.3
381	4/4/2020 13:20	1.3	0.3
382	4/4/2020 13:21	1.3	0.3
383	4/4/2020 13:22	1.3	0.3
384	4/4/2020 13:23	1.3	0.3
385	4/4/2020 13:24	1.3	0.3
386	4/4/2020 13:25	1.3	0.4
387	4/4/2020 13:26	1.3	0.3
388	4/4/2020 13:27	1.3	0.4
389	4/4/2020 13:28	1.3	0.4
390	4/4/2020 13:29	1.3	0.4
391	4/4/2020 13:30	1.3	0.4
392	4/4/2020 13:31	1.3	0.4
393	4/4/2020 13:32	1.3	0.4
394	4/4/2020 13:33	1.3	0.4
395	4/4/2020 13:34	1.3	0.4
396	4/4/2020 13:35	1.3	0.4
397	4/4/2020 13:36	1.3	0.4
398	4/4/2020 13:37	1.3	0.4
399	4/4/2020 13:38	1.3	0.4
400	4/4/2020 13:39	1.3	0.4
401	4/4/2020 13:40	1.3	0.4
402	4/4/2020 13:41	1.3	0.4
403	4/4/2020 13:42	1.3	0.4
404	4/4/2020 13:43	1.3	0.4
405	4/4/2020 13:44	1.3	0.3
406	4/4/2020 13:45	1.3	0.3
407	4/4/2020 13:46	1.3	0.3
408	4/4/2020 13:47	1.3	0.3
409	4/4/2020 13:48	1.3	0.3
410	4/4/2020 13:49	1.3	0.3
411	4/4/2020 13:50	1.3	0.3

412	4/4/2020 13:51	1.3	0.3
413	4/4/2020 13:52	1.3	0.3
414	4/4/2020 13:53	1.3	0.3
415	4/4/2020 13:54	1.3	0.3
416	4/4/2020 13:55	1.3	0.3
417	4/4/2020 13:56	1.3	0.3
418	4/4/2020 13:57	1.3	0.3
419	4/4/2020 13:58	1.3	0.3
420	4/4/2020 13:59	1.3	0.2
421	4/4/2020 14:00	1.3	0.2
422	4/4/2020 14:01	1.3	0.2
423	4/4/2020 14:02	1.3	0.2
424	4/4/2020 14:03	1.3	0.2
425	4/4/2020 14:04	1.3	0.2
426	4/4/2020 14:05	1.3	0.3
427	4/4/2020 14:06	1.3	0.2
428	4/4/2020 14:07	1.3	0.2
429	4/4/2020 14:08	1.3	0.2
430	4/4/2020 14:09	1.3	0.2
431	4/4/2020 14:10	1.3	0.2
432	4/4/2020 14:11	1.3	0.2

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20/04/06 07:23
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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-918988
Unit Firmware Ver	V2.20A
Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down
Site ID	12345678
User ID	12345678
Begin	4/6/2020 7:23
End	4/6/2020 15:16
Sample Period(s)	60
Number of Records	472
Sensor	PID(ppm)
Sensor SN	S023030089A2
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	100
TWA Alarm	50
Measurement Gas	Isobutylene
Calibration Time	4/1/2020 9:04
Peak	14.2
Min	0
Average	0.9

****
Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	4/6/2020 7:24	0	0	0
2	4/6/2020 7:25	0	0	0
3	4/6/2020 7:26	0	0	0
4	4/6/2020 7:27	0	0	0
5	4/6/2020 7:28	0	0	0

6	4/6/2020 7:29	0	0	0
7	4/6/2020 7:30	0	0	0
8	4/6/2020 7:31	0	0	0
9	4/6/2020 7:32	0	0	0
10	4/6/2020 7:33	0	0	0
11	4/6/2020 7:34	0	0	0
12	4/6/2020 7:35	0	0	0
13	4/6/2020 7:36	0	0	0
14	4/6/2020 7:37	0	0	0
15	4/6/2020 7:38	0	0	0
16	4/6/2020 7:39	0	0	0
17	4/6/2020 7:40	0	0	0
18	4/6/2020 7:41	0	0	0
19	4/6/2020 7:42	0	0	0
20	4/6/2020 7:43	0	0	0
21	4/6/2020 7:44	0	0	0
22	4/6/2020 7:45	0	0	0
23	4/6/2020 7:46	0	0	0
24	4/6/2020 7:47	0	0	0
25	4/6/2020 7:48	0	0	0
26	4/6/2020 7:49	0	0	0
27	4/6/2020 7:50	0	0	0
28	4/6/2020 7:51	0	0	0
29	4/6/2020 7:52	0	0	0
30	4/6/2020 7:53	0	0	0
31	4/6/2020 7:54	0	0	0
32	4/6/2020 7:55	0	0	0
33	4/6/2020 7:56	0	0	0
34	4/6/2020 7:57	0	0	0
35	4/6/2020 7:58	0	0	0
36	4/6/2020 7:59	0	0.1	0.1
37	4/6/2020 8:00	0	0.1	0
38	4/6/2020 8:01	0.1	0.1	0.1
39	4/6/2020 8:02	0.1	0.1	0.1
40	4/6/2020 8:03	0.1	0.1	0.1
41	4/6/2020 8:04	0.1	0.1	0.1
42	4/6/2020 8:05	0.1	0.1	0.1
43	4/6/2020 8:06	0.1	0.1	0.1
44	4/6/2020 8:07	0.1	0.1	0.1
45	4/6/2020 8:08	0.1	0.1	0.1
46	4/6/2020 8:09	0.1	0.1	0.1
47	4/6/2020 8:10	0.1	0.1	0.1
48	4/6/2020 8:11	0.1	0.1	0.1
49	4/6/2020 8:12	0.1	0.1	0.1
50	4/6/2020 8:13	0.1	0.1	0.1
51	4/6/2020 8:14	0.1	0.1	0.1
52	4/6/2020 8:15	0.1	0.1	0.1

53	4/6/2020 8:16	0.1	0.1	0.1
54	4/6/2020 8:17	0.1	0.1	0.1
55	4/6/2020 8:18	0.1	0.1	0.1
56	4/6/2020 8:19	0.1	0.1	0.1
57	4/6/2020 8:20	0.1	0.2	0.1
58	4/6/2020 8:21	0.1	0.2	0.2
59	4/6/2020 8:22	0.2	0.2	0.2
60	4/6/2020 8:23	0.2	0.2	0.2
61	4/6/2020 8:24	0.2	0.2	0.1
62	4/6/2020 8:25	0.1	0.2	0.1
63	4/6/2020 8:26	0.1	0.1	0.1
64	4/6/2020 8:27	0.1	0.1	0.1
65	4/6/2020 8:28	0.1	0.1	0.1
66	4/6/2020 8:29	0.1	0.1	0.1
67	4/6/2020 8:30	0.1	0.1	0.1
68	4/6/2020 8:31	0.1	0.1	0.1
69	4/6/2020 8:32	0.1	0.1	0.1
70	4/6/2020 8:33	0.1	0.1	0.1
71	4/6/2020 8:34	0.1	0.1	0.1
72	4/6/2020 8:35	0.1	0.1	0.1
73	4/6/2020 8:36	0.1	0.1	0.1
74	4/6/2020 8:37	0.1	0.1	0.1
75	4/6/2020 8:38	0.1	0.1	0.1
76	4/6/2020 8:39	0.1	0.1	0.1
77	4/6/2020 8:40	0.2	0.2	0.2
78	4/6/2020 8:41	0.2	0.2	0.2
79	4/6/2020 8:42	0.2	0.2	0.2
80	4/6/2020 8:43	0.2	0.2	0.2
81	4/6/2020 8:44	0.2	0.2	0.2
82	4/6/2020 8:45	0.4	1.6	0.2
83	4/6/2020 8:46	1.9	6.4	3.1
84	4/6/2020 8:47	2	3.4	1.7
85	4/6/2020 8:48	1.2	1.7	1.1
86	4/6/2020 8:49	1.1	1.3	1
87	4/6/2020 8:50	0.9	1	0.9
88	4/6/2020 8:51	0.8	0.9	0.8
89	4/6/2020 8:52	0.9	1.1	1.1
90	4/6/2020 8:53	1.1	1.1	1.1
91	4/6/2020 8:54	1	1.1	1
92	4/6/2020 8:55	1	1.1	1.1
93	4/6/2020 8:56	1.2	1.2	1.2
94	4/6/2020 8:57	1.2	1.3	1.2
95	4/6/2020 8:58	1.2	1.2	1.2
96	4/6/2020 8:59	1.2	1.4	1.3
97	4/6/2020 9:00	1.4	1.5	1.4
98	4/6/2020 9:01	1.8	2.2	2.1
99	4/6/2020 9:02	1.6	2	1

100	4/6/2020 9:03	0.8	1.1	0.5
101	4/6/2020 9:04	0.5	0.7	0.7
102	4/6/2020 9:05	0.7	1.1	0.6
103	4/6/2020 9:06	0.5	0.8	0.5
104	4/6/2020 9:07	0.6	1.2	0.9
105	4/6/2020 9:08	0.6	0.9	0.4
106	4/6/2020 9:09	0.4	0.6	0.3
107	4/6/2020 9:10	0.4	0.6	0.4
108	4/6/2020 9:11	0.4	0.7	0.5
109	4/6/2020 9:12	0.5	0.8	0.2
110	4/6/2020 9:13	0.4	0.7	0.4
111	4/6/2020 9:14	0.4	0.7	0.3
112	4/6/2020 9:15	0.5	0.8	0.4
113	4/6/2020 9:16	0.4	0.6	0.6
114	4/6/2020 9:17	0.4	0.7	0.3
115	4/6/2020 9:18	0.3	0.6	0.2
116	4/6/2020 9:19	0.2	0.4	0.3
117	4/6/2020 9:20	0.3	0.5	0.3
118	4/6/2020 9:21	0.2	0.4	0.2
119	4/6/2020 9:22	0.2	0.4	0.3
120	4/6/2020 9:23	0.3	0.4	0.1
121	4/6/2020 9:24	0.2	0.4	0.2
122	4/6/2020 9:25	0.2	0.3	0.2
123	4/6/2020 9:26	0.2	0.3	0.2
124	4/6/2020 9:27	0.2	0.3	0.1
125	4/6/2020 9:28	0.1	0.3	0.1
126	4/6/2020 9:29	0	0.2	0.2
127	4/6/2020 9:30	0.1	0.3	0.1
128	4/6/2020 9:31	0.1	0.2	0.1
129	4/6/2020 9:32	0.1	0.2	0.1
130	4/6/2020 9:33	0.1	0.1	0.1
131	4/6/2020 9:34	0.2	0.3	0.1
132	4/6/2020 9:35	0.2	0.2	0.2
133	4/6/2020 9:36	0.2	0.2	0.2
134	4/6/2020 9:37	0	0.1	0
135	4/6/2020 9:38	0.1	0.4	0.1
136	4/6/2020 9:39	0.1	0.1	0.1
137	4/6/2020 9:40	0.1	0.2	0
138	4/6/2020 9:41	0	0.1	0.1
139	4/6/2020 9:42	0	0.1	0.1
140	4/6/2020 9:43	0.1	0.3	0
141	4/6/2020 9:44	0.1	0.2	0
142	4/6/2020 9:45	0	0.1	0
143	4/6/2020 9:46	0.1	0.1	0
144	4/6/2020 9:47	0.1	0.1	0
145	4/6/2020 9:48	0	0.1	0.1
146	4/6/2020 9:49	0.1	0.2	0.1

147	4/6/2020 9:50	0.1	0.2	0.1
148	4/6/2020 9:51	0.1	0.1	0.1
149	4/6/2020 9:52	0.1	0.2	0.1
150	4/6/2020 9:53	1.9	8.7	3.8
151	4/6/2020 9:54	4	8	5.3
152	4/6/2020 9:55	4.9	7.2	4.2
153	4/6/2020 9:56	4.6	5.7	4.8
154	4/6/2020 9:57	4.7	5.3	3.8
155	4/6/2020 9:58	4.7	6.9	4
156	4/6/2020 9:59	4.9	6.1	4.9
157	4/6/2020 10:00	6.4	9.2	5.4
158	4/6/2020 10:01	6	6.8	5
159	4/6/2020 10:02	4.3	6.4	3.9
160	4/6/2020 10:03	3.6	4.4	3.2
161	4/6/2020 10:04	4.5	6.1	4.2
162	4/6/2020 10:05	3.9	4.5	3.7
163	4/6/2020 10:06	3.8	4.6	2.6
164	4/6/2020 10:07	3.5	4.7	2.5
165	4/6/2020 10:08	2.6	3	2.4
166	4/6/2020 10:09	1.8	2.4	1.9
167	4/6/2020 10:10	1.5	2	1.1
168	4/6/2020 10:11	1.2	1.4	1.2
169	4/6/2020 10:12	1	1.2	0.9
170	4/6/2020 10:13	1.1	1.5	1.5
171	4/6/2020 10:14	0.7	1.4	0.6
172	4/6/2020 10:15	0.6	0.8	0.4
173	4/6/2020 10:16	0.4	0.6	0.4
174	4/6/2020 10:17	0.6	0.9	0.8
175	4/6/2020 10:18	1.3	1.7	1.2
176	4/6/2020 10:19	1.3	1.7	0.8
177	4/6/2020 10:20	1.2	2.1	2
178	4/6/2020 10:21	1.4	1.9	1.6
179	4/6/2020 10:22	1.7	3.2	2.4
180	4/6/2020 10:23	1.8	2.8	1.5
181	4/6/2020 10:24	1.3	1.8	1.1
182	4/6/2020 10:25	3.2	14.2	14.2
183	4/6/2020 10:26	8.4	21.6	3.6
184	4/6/2020 10:27	4	6.6	6.6
185	4/6/2020 10:28	8.1	11.3	6.9
186	4/6/2020 10:29	7.8	9.2	9.2
187	4/6/2020 10:30	9.8	14.1	6.9
188	4/6/2020 10:31	8.2	9.5	7.8
189	4/6/2020 10:32	6.9	8.1	7.2
190	4/6/2020 10:33	7.2	11.3	9.4
191	4/6/2020 10:34	6.6	10.6	5.8
192	4/6/2020 10:35	5.6	6.7	5.3
193	4/6/2020 10:36	4.2	5.6	3.6

194	4/6/2020 10:37	3.6	4.5	2.8
195	4/6/2020 10:38	2.7	3.7	3.1
196	4/6/2020 10:39	2.6	3.3	2
197	4/6/2020 10:40	2.5	2.9	2.4
198	4/6/2020 10:41	2.2	2.6	1.8
199	4/6/2020 10:42	3	3.9	3.3
200	4/6/2020 10:43	3	3.7	3.1
201	4/6/2020 10:44	2.1	2.9	1.8
202	4/6/2020 10:45	1.9	2.8	1.3
203	4/6/2020 10:46	1.6	2.3	1.9
204	4/6/2020 10:47	2	2.6	2.1
205	4/6/2020 10:48	1.8	2.7	2.4
206	4/6/2020 10:49	3.2	3.8	2.9
207	4/6/2020 10:50	4.4	5.8	5.8
208	4/6/2020 10:51	3.8	5.7	3.4
209	4/6/2020 10:52	3.2	3.9	3.5
210	4/6/2020 10:53	3.4	4.5	3.7
211	4/6/2020 10:54	3.7	5.8	3.1
212	4/6/2020 10:55	4.1	4.9	4.4
213	4/6/2020 10:56	3.7	4.5	3
214	4/6/2020 10:57	2.7	3.1	3.1
215	4/6/2020 10:58	2.9	3.3	2.3
216	4/6/2020 10:59	2.3	3.6	2.7
217	4/6/2020 11:00	2.6	3.1	2.6
218	4/6/2020 11:01	2.9	3.5	2.9
219	4/6/2020 11:02	2.8	3.4	2.3
220	4/6/2020 11:03	2.6	5	2.3
221	4/6/2020 11:04	2.2	2.3	2.1
222	4/6/2020 11:05	1.9	2.5	1.7
223	4/6/2020 11:06	1.2	1.8	1.4
224	4/6/2020 11:07	1.5	1.9	1.5
225	4/6/2020 11:08	1.4	1.6	1.4
226	4/6/2020 11:09	1	1.5	1.1
227	4/6/2020 11:10	0.9	1.1	0.9
228	4/6/2020 11:11	0.6	1	0.7
229	4/6/2020 11:12	0.7	1	0.8
230	4/6/2020 11:13	1.3	1.8	1.8
231	4/6/2020 11:14	1.2	1.8	1
232	4/6/2020 11:15	1	1.5	0.9
233	4/6/2020 11:16	1	1.4	1.3
234	4/6/2020 11:17	0.8	1.3	0.8
235	4/6/2020 11:18	0.7	1.1	0.5
236	4/6/2020 11:19	0.7	1	0.5
237	4/6/2020 11:20	0.8	1	0.7
238	4/6/2020 11:21	0.5	0.8	0.2
239	4/6/2020 11:22	0.4	0.8	0.8
240	4/6/2020 11:23	0.5	0.8	0.6

241	4/6/2020 11:24	0.6	0.7	0.6
242	4/6/2020 11:25	0.7	0.8	0.7
243	4/6/2020 11:26	0.6	0.9	0.9
244	4/6/2020 11:27	0.7	0.9	0.6
245	4/6/2020 11:28	0.6	0.7	0.7
246	4/6/2020 11:29	0.5	0.8	0.7
247	4/6/2020 11:30	0.8	0.9	0.8
248	4/6/2020 11:31	0.7	0.9	0.9
249	4/6/2020 11:32	1.2	1.3	1.3
250	4/6/2020 11:33	1.3	1.3	1.3
251	4/6/2020 11:34	1.3	1.4	1.3
252	4/6/2020 11:35	1.2	1.3	0.9
253	4/6/2020 11:36	0.6	0.9	0.3
254	4/6/2020 11:37	0.5	0.8	0.8
255	4/6/2020 11:38	0.7	1	0.3
256	4/6/2020 11:39	0.3	0.5	0.3
257	4/6/2020 11:40	0.2	0.3	0.3
258	4/6/2020 11:41	0.3	0.5	0.4
259	4/6/2020 11:42	0.3	0.5	0.5
260	4/6/2020 11:43	0.4	0.5	0.5
261	4/6/2020 11:44	0.6	0.6	0.6
262	4/6/2020 11:45	0.4	0.6	0.3
263	4/6/2020 11:46	0.3	0.5	0.4
264	4/6/2020 11:47	0.4	0.5	0.3
265	4/6/2020 11:48	0.4	0.7	0.2
266	4/6/2020 11:49	0.2	0.3	0.1
267	4/6/2020 11:50	0.2	0.3	0.1
268	4/6/2020 11:51	0.2	0.4	0.3
269	4/6/2020 11:52	0.4	0.5	0.4
270	4/6/2020 11:53	0.6	1.3	1.1
271	4/6/2020 11:54	0.7	1.1	0.8
272	4/6/2020 11:55	0.4	0.7	0.5
273	4/6/2020 11:56	0.5	0.6	0.5
274	4/6/2020 11:57	0.5	0.9	0.9
275	4/6/2020 11:58	0.6	1	0.6
276	4/6/2020 11:59	0.4	0.8	0.4
277	4/6/2020 12:00	0.5	0.7	0.3
278	4/6/2020 12:01	0.4	0.8	0.8
279	4/6/2020 12:02	0.5	1	0.3
280	4/6/2020 12:03	0.3	0.4	0.3
281	4/6/2020 12:04	0.3	0.5	0.5
282	4/6/2020 12:05	0.2	0.4	0.1
283	4/6/2020 12:06	0.2	0.2	0.2
284	4/6/2020 12:07	0.2	0.4	0.4
285	4/6/2020 12:08	0.3	0.5	0.2
286	4/6/2020 12:09	0.2	0.3	0.2
287	4/6/2020 12:10	0.3	0.6	0.3

288	4/6/2020 12:11	0.2	0.2	0.1
289	4/6/2020 12:12	0.3	0.5	0.5
290	4/6/2020 12:13	0.9	1.5	1.3
291	4/6/2020 12:14	1.4	1.8	1
292	4/6/2020 12:15	0.9	1.1	0.8
293	4/6/2020 12:16	0.8	0.8	0.8
294	4/6/2020 12:17	0.7	0.8	0.6
295	4/6/2020 12:18	0.6	0.7	0.5
296	4/6/2020 12:19	0.4	0.5	0.4
297	4/6/2020 12:20	0.4	0.5	0.4
298	4/6/2020 12:21	0.3	0.4	0.3
299	4/6/2020 12:22	0.2	0.3	0.2
300	4/6/2020 12:23	0.2	0.3	0.2
301	4/6/2020 12:24	0.4	0.4	0.4
302	4/6/2020 12:25	0.4	0.5	0.5
303	4/6/2020 12:26	0.4	0.5	0.3
304	4/6/2020 12:27	0.3	0.4	0.3
305	4/6/2020 12:28	0.3	0.3	0.3
306	4/6/2020 12:29	0.3	0.4	0.4
307	4/6/2020 12:30	0.3	0.4	0.3
308	4/6/2020 12:31	0.3	0.3	0.1
309	4/6/2020 12:32	0.2	0.3	0.3
310	4/6/2020 12:33	0.3	0.3	0.3
311	4/6/2020 12:34	0.3	0.3	0.3
312	4/6/2020 12:35	0.3	0.3	0.3
313	4/6/2020 12:36	0.3	0.4	0.4
314	4/6/2020 12:37	0.6	1.3	0.4
315	4/6/2020 12:38	0.4	0.5	0.4
316	4/6/2020 12:39	0.3	0.5	0.5
317	4/6/2020 12:40	0.7	0.9	0.7
318	4/6/2020 12:41	0.9	1.4	1.4
319	4/6/2020 12:42	1.6	2	1.8
320	4/6/2020 12:43	1.8	2.1	2.1
321	4/6/2020 12:44	1.7	2.1	1.6
322	4/6/2020 12:45	1.7	2.3	1.9
323	4/6/2020 12:46	1.8	2.5	1
324	4/6/2020 12:47	1.3	1.7	1.1
325	4/6/2020 12:48	1.5	2.6	2.4
326	4/6/2020 12:49	1.7	2.3	1.8
327	4/6/2020 12:50	1.6	1.8	1.3
328	4/6/2020 12:51	1.2	1.6	1.2
329	4/6/2020 12:52	1.2	2.3	1.9
330	4/6/2020 12:53	0.9	1.8	0.5
331	4/6/2020 12:54	0.5	0.8	0.5
332	4/6/2020 12:55	0.3	0.4	0.3
333	4/6/2020 12:56	0.3	0.4	0.4
334	4/6/2020 12:57	0.3	0.5	0.3

335	4/6/2020 12:58	0.3	0.3	0.2
336	4/6/2020 12:59	0.4	0.8	0.4
337	4/6/2020 13:00	0.5	0.6	0.5
338	4/6/2020 13:01	0.9	1.8	0.9
339	4/6/2020 13:02	0.9	1.2	0.9
340	4/6/2020 13:03	1.2	1.7	1
341	4/6/2020 13:04	1	1.1	1
342	4/6/2020 13:05	0.9	1.1	0.6
343	4/6/2020 13:06	0.5	0.8	0.7
344	4/6/2020 13:07	1.1	1.6	1.3
345	4/6/2020 13:08	1.2	1.9	1.9
346	4/6/2020 13:09	2.5	3.4	2.4
347	4/6/2020 13:10	1.7	2.7	1.4
348	4/6/2020 13:11	1	1.4	1.1
349	4/6/2020 13:12	1.2	1.7	1.5
350	4/6/2020 13:13	1.1	2.3	1
351	4/6/2020 13:14	0.6	1	0.5
352	4/6/2020 13:15	0.7	1	0.4
353	4/6/2020 13:16	0.4	0.6	0.5
354	4/6/2020 13:17	0.4	0.6	0.2
355	4/6/2020 13:18	0.2	0.3	0.2
356	4/6/2020 13:19	0.3	0.5	0.4
357	4/6/2020 13:20	0.4	0.7	0.7
358	4/6/2020 13:21	1	1.3	1
359	4/6/2020 13:22	1.2	1.7	1.6
360	4/6/2020 13:23	1.3	1.7	1.4
361	4/6/2020 13:24	1.6	1.9	1.8
362	4/6/2020 13:25	1.4	1.7	1.3
363	4/6/2020 13:26	1.2	1.3	1.1
364	4/6/2020 13:27	1.1	1.4	1
365	4/6/2020 13:28	1	1.1	0.9
366	4/6/2020 13:29	0.9	1.1	1.1
367	4/6/2020 13:30	1.1	1.2	0.9
368	4/6/2020 13:31	0.9	1	0.9
369	4/6/2020 13:32	1	1.2	0.9
370	4/6/2020 13:33	1	1.2	1.1
371	4/6/2020 13:34	1.1	1.3	1
372	4/6/2020 13:35	0.9	1.1	0.8
373	4/6/2020 13:36	0.7	0.8	0.6
374	4/6/2020 13:37	0.7	0.8	0.6
375	4/6/2020 13:38	0.6	0.6	0.6
376	4/6/2020 13:39	0.6	0.7	0.6
377	4/6/2020 13:40	0.5	0.7	0.3
378	4/6/2020 13:41	0.2	0.3	0.3
379	4/6/2020 13:42	0.3	0.4	0.4
380	4/6/2020 13:43	0.7	1.2	1.1
381	4/6/2020 13:44	0.7	1	0.7

382	4/6/2020 13:45	0.8	1.3	1.3
383	4/6/2020 13:46	0.9	1.5	1
384	4/6/2020 13:47	1.1	1.7	1.5
385	4/6/2020 13:48	1	1.5	0.8
386	4/6/2020 13:49	0.7	0.8	0.6
387	4/6/2020 13:50	0.6	0.7	0.6
388	4/6/2020 13:51	0.6	0.7	0.5
389	4/6/2020 13:52	0.5	0.5	0.5
390	4/6/2020 13:53	0.4	0.5	0.3
391	4/6/2020 13:54	0.3	0.4	0.3
392	4/6/2020 13:55	0.3	0.4	0.4
393	4/6/2020 13:56	0.4	0.4	0.3
394	4/6/2020 13:57	0.4	0.5	0.3
395	4/6/2020 13:58	0.4	0.5	0.3
396	4/6/2020 13:59	0.3	0.5	0.2
397	4/6/2020 14:00	0.3	0.3	0.2
398	4/6/2020 14:01	0.3	0.3	0.3
399	4/6/2020 14:02	0.2	0.3	0.2
400	4/6/2020 14:03	0.2	0.2	0.2
401	4/6/2020 14:04	0.3	0.3	0.3
402	4/6/2020 14:05	0.3	0.3	0.3
403	4/6/2020 14:06	0.2	0.3	0.2
404	4/6/2020 14:07	0.2	0.3	0.3
405	4/6/2020 14:08	0.4	0.4	0.4
406	4/6/2020 14:09	0.5	0.6	0.4
407	4/6/2020 14:10	0.3	0.4	0.3
408	4/6/2020 14:11	0.3	0.3	0.3
409	4/6/2020 14:12	0.4	0.5	0.4
410	4/6/2020 14:13	0.4	0.4	0.3
411	4/6/2020 14:14	0.3	0.4	0.4
412	4/6/2020 14:15	0.4	0.4	0.4
413	4/6/2020 14:16	0.4	0.4	0.3
414	4/6/2020 14:17	0.3	0.4	0.3
415	4/6/2020 14:18	0.2	0.3	0.1
416	4/6/2020 14:19	0.2	0.2	0.2
417	4/6/2020 14:20	0.3	0.3	0.3
418	4/6/2020 14:21	0.3	0.3	0.3
419	4/6/2020 14:22	0.3	0.3	0.3
420	4/6/2020 14:23	0.2	0.3	0.2
421	4/6/2020 14:24	0.2	0.3	0.3
422	4/6/2020 14:25	0.3	0.4	0.4
423	4/6/2020 14:26	0.2	0.4	0.2
424	4/6/2020 14:27	0.2	0.2	0.1
425	4/6/2020 14:28	0.2	0.3	0.3
426	4/6/2020 14:29	0.4	0.4	0.3
427	4/6/2020 14:30	0.3	0.3	0.3
428	4/6/2020 14:31	0.2	0.3	0.2

	429	4/6/2020 14:32	0.2	0.2	0.2
	430	4/6/2020 14:33	0.2	0.3	0.2
	431	4/6/2020 14:34	0.2	0.3	0.3
	432	4/6/2020 14:35	0.2	0.3	0.2
	433	4/6/2020 14:36	0.3	0.3	0.2
	434	4/6/2020 14:37	0.2	0.3	0.3
	435	4/6/2020 14:38	0.4	0.4	0.3
	436	4/6/2020 14:39	0.4	0.5	0.4
	437	4/6/2020 14:40	0.3	0.4	0.2
	438	4/6/2020 14:41	0.3	0.4	0.3
	439	4/6/2020 14:42	0.2	0.3	0.3
	440	4/6/2020 14:43	0.2	0.4	0.4
	441	4/6/2020 14:44	0.3	0.4	0.4
	442	4/6/2020 14:45	0.4	0.5	0.3
	443	4/6/2020 14:46	0.2	0.3	0.2
	444	4/6/2020 14:47	0.3	0.4	0.3
	445	4/6/2020 14:48	0.4	0.6	0.6
	446	4/6/2020 14:49	0.4	0.6	0.2
	447	4/6/2020 14:50	0.3	0.3	0.3
	448	4/6/2020 14:51	0.2	0.3	0.2
	449	4/6/2020 14:52	0.2	0.3	0.2
	450	4/6/2020 14:53	0.2	0.2	0.2
	451	4/6/2020 14:54	0.1	0.2	0.2
	452	4/6/2020 14:55	0.1	0.2	0.1
	453	4/6/2020 14:56	0.1	0.2	0.2
	454	4/6/2020 14:57	0.2	0.3	0.3
	455	4/6/2020 14:58	0.3	0.3	0.3
	456	4/6/2020 14:59	0.3	0.3	0.3
	457	4/6/2020 15:00	0.2	0.3	0.2
	458	4/6/2020 15:01	0.2	0.2	0.2
	459	4/6/2020 15:02	0.2	0.2	0.2
	460	4/6/2020 15:03	0.2	0.3	0.2
	461	4/6/2020 15:04	0.2	0.2	0.2
	462	4/6/2020 15:05	0.2	0.2	0.2
	463	4/6/2020 15:06	0.2	0.3	0.2
	464	4/6/2020 15:07	0.1	0.2	0.2
	465	4/6/2020 15:08	0.5	0.9	0.9
	466	4/6/2020 15:09	1.2	2	1.5
	467	4/6/2020 15:10	1	1.5	0.9
	468	4/6/2020 15:11	1.1	1.6	1.6
	469	4/6/2020 15:12	1.4	1.9	1.5
	470	4/6/2020 15:13	1.4	1.7	1.3
	471	4/6/2020 15:14	1.3	1.5	1.4
	472	4/6/2020 15:15	1.7	2	1.8
Peak			9.8	21.6	14.2
Min			0	0	0
Average			0.9	1.3	0.9

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	4/6/2020 7:24	0	---
2	4/6/2020 7:25	0	---
3	4/6/2020 7:26	0	---
4	4/6/2020 7:27	0	---
5	4/6/2020 7:28	0	---
6	4/6/2020 7:29	0	---
7	4/6/2020 7:30	0	---
8	4/6/2020 7:31	0	---
9	4/6/2020 7:32	0	---
10	4/6/2020 7:33	0	---
11	4/6/2020 7:34	0	---
12	4/6/2020 7:35	0	---
13	4/6/2020 7:36	0	---
14	4/6/2020 7:37	0	---
15	4/6/2020 7:38	0	0
16	4/6/2020 7:39	0	0
17	4/6/2020 7:40	0	0
18	4/6/2020 7:41	0	0
19	4/6/2020 7:42	0	0
20	4/6/2020 7:43	0	0
21	4/6/2020 7:44	0	0
22	4/6/2020 7:45	0	0
23	4/6/2020 7:46	0	0
24	4/6/2020 7:47	0	0
25	4/6/2020 7:48	0	0
26	4/6/2020 7:49	0	0
27	4/6/2020 7:50	0	0
28	4/6/2020 7:51	0	0
29	4/6/2020 7:52	0	0
30	4/6/2020 7:53	0	0
31	4/6/2020 7:54	0	0
32	4/6/2020 7:55	0	0
33	4/6/2020 7:56	0	0
34	4/6/2020 7:57	0	0
35	4/6/2020 7:58	0	0
36	4/6/2020 7:59	0	0
37	4/6/2020 8:00	0	0
38	4/6/2020 8:01	0	0
39	4/6/2020 8:02	0	0
40	4/6/2020 8:03	0	0
41	4/6/2020 8:04	0	0
42	4/6/2020 8:05	0	0

43	4/6/2020 8:06	0	0
44	4/6/2020 8:07	0	0.1
45	4/6/2020 8:08	0	0.1
46	4/6/2020 8:09	0	0.1
47	4/6/2020 8:10	0	0.1
48	4/6/2020 8:11	0	0.1
49	4/6/2020 8:12	0	0.1
50	4/6/2020 8:13	0	0.1
51	4/6/2020 8:14	0	0.1
52	4/6/2020 8:15	0	0.1
53	4/6/2020 8:16	0	0.1
54	4/6/2020 8:17	0	0.1
55	4/6/2020 8:18	0	0.1
56	4/6/2020 8:19	0	0.1
57	4/6/2020 8:20	0	0.1
58	4/6/2020 8:21	0	0.1
59	4/6/2020 8:22	0	0.1
60	4/6/2020 8:23	0	0.1
61	4/6/2020 8:24	0	0.1
62	4/6/2020 8:25	0	0.1
63	4/6/2020 8:26	0	0.1
64	4/6/2020 8:27	0	0.1
65	4/6/2020 8:28	0	0.1
66	4/6/2020 8:29	0	0.1
67	4/6/2020 8:30	0	0.1
68	4/6/2020 8:31	0	0.1
69	4/6/2020 8:32	0	0.1
70	4/6/2020 8:33	0	0.1
71	4/6/2020 8:34	0	0.1
72	4/6/2020 8:35	0	0.1
73	4/6/2020 8:36	0	0.1
74	4/6/2020 8:37	0	0.1
75	4/6/2020 8:38	0	0.1
76	4/6/2020 8:39	0	0.1
77	4/6/2020 8:40	0	0.1
78	4/6/2020 8:41	0	0.1
79	4/6/2020 8:42	0	0.1
80	4/6/2020 8:43	0	0.1
81	4/6/2020 8:44	0	0.1
82	4/6/2020 8:45	0	0.1
83	4/6/2020 8:46	0	0.3
84	4/6/2020 8:47	0	0.5
85	4/6/2020 8:48	0	0.5
86	4/6/2020 8:49	0	0.6
87	4/6/2020 8:50	0	0.6
88	4/6/2020 8:51	0	0.7
89	4/6/2020 8:52	0	0.7

90	4/6/2020 8:53	0	0.8
91	4/6/2020 8:54	0	0.9
92	4/6/2020 8:55	0	0.9
93	4/6/2020 8:56	0	1
94	4/6/2020 8:57	0	1.1
95	4/6/2020 8:58	0	1.1
96	4/6/2020 8:59	0	1.2
97	4/6/2020 9:00	0.1	1.3
98	4/6/2020 9:01	0.1	1.4
99	4/6/2020 9:02	0.1	1.3
100	4/6/2020 9:03	0.1	1.2
101	4/6/2020 9:04	0.1	1.2
102	4/6/2020 9:05	0.1	1.1
103	4/6/2020 9:06	0.1	1.1
104	4/6/2020 9:07	0.1	1.1
105	4/6/2020 9:08	0.1	1.1
106	4/6/2020 9:09	0.1	1
107	4/6/2020 9:10	0.1	1
108	4/6/2020 9:11	0.1	0.9
109	4/6/2020 9:12	0.1	0.9
110	4/6/2020 9:13	0.1	0.8
111	4/6/2020 9:14	0.1	0.8
112	4/6/2020 9:15	0.1	0.7
113	4/6/2020 9:16	0.1	0.7
114	4/6/2020 9:17	0.1	0.5
115	4/6/2020 9:18	0.1	0.5
116	4/6/2020 9:19	0.1	0.5
117	4/6/2020 9:20	0.1	0.4
118	4/6/2020 9:21	0.1	0.4
119	4/6/2020 9:22	0.1	0.4
120	4/6/2020 9:23	0.1	0.3
121	4/6/2020 9:24	0.1	0.3
122	4/6/2020 9:25	0.1	0.3
123	4/6/2020 9:26	0.1	0.3
124	4/6/2020 9:27	0.1	0.3
125	4/6/2020 9:28	0.1	0.3
126	4/6/2020 9:29	0.1	0.3
127	4/6/2020 9:30	0.1	0.3
128	4/6/2020 9:31	0.1	0.2
129	4/6/2020 9:32	0.1	0.2
130	4/6/2020 9:33	0.1	0.2
131	4/6/2020 9:34	0.1	0.2
132	4/6/2020 9:35	0.1	0.2
133	4/6/2020 9:36	0.1	0.2
134	4/6/2020 9:37	0.1	0.2
135	4/6/2020 9:38	0.1	0.1
136	4/6/2020 9:39	0.1	0.1

137	4/6/2020 9:40	0.1	0.1
138	4/6/2020 9:41	0.1	0.1
139	4/6/2020 9:42	0.1	0.1
140	4/6/2020 9:43	0.1	0.1
141	4/6/2020 9:44	0.1	0.1
142	4/6/2020 9:45	0.1	0.1
143	4/6/2020 9:46	0.1	0.1
144	4/6/2020 9:47	0.1	0.1
145	4/6/2020 9:48	0.1	0.1
146	4/6/2020 9:49	0.1	0.1
147	4/6/2020 9:50	0.1	0.1
148	4/6/2020 9:51	0.1	0.1
149	4/6/2020 9:52	0.1	0.1
150	4/6/2020 9:53	0.1	0.3
151	4/6/2020 9:54	0.1	0.7
152	4/6/2020 9:55	0.1	0.9
153	4/6/2020 9:56	0.1	1.3
154	4/6/2020 9:57	0.1	1.5
155	4/6/2020 9:58	0.1	1.8
156	4/6/2020 9:59	0.1	2.1
157	4/6/2020 10:00	0.2	2.4
158	4/6/2020 10:01	0.2	2.8
159	4/6/2020 10:02	0.2	3
160	4/6/2020 10:03	0.2	3.3
161	4/6/2020 10:04	0.2	3.5
162	4/6/2020 10:05	0.2	3.8
163	4/6/2020 10:06	0.2	3.9
164	4/6/2020 10:07	0.2	4.1
165	4/6/2020 10:08	0.2	4.2
166	4/6/2020 10:09	0.2	4.1
167	4/6/2020 10:10	0.2	3.8
168	4/6/2020 10:11	0.2	3.6
169	4/6/2020 10:12	0.2	3.4
170	4/6/2020 10:13	0.2	3.2
171	4/6/2020 10:14	0.2	3
172	4/6/2020 10:15	0.2	2.7
173	4/6/2020 10:16	0.2	2.4
174	4/6/2020 10:17	0.2	2.1
175	4/6/2020 10:18	0.2	1.9
176	4/6/2020 10:19	0.2	1.7
177	4/6/2020 10:20	0.2	1.6
178	4/6/2020 10:21	0.2	1.5
179	4/6/2020 10:22	0.2	1.4
180	4/6/2020 10:23	0.3	1.4
181	4/6/2020 10:24	0.3	1.3
182	4/6/2020 10:25	0.3	2.1
183	4/6/2020 10:26	0.3	2.3

184	4/6/2020 10:27	0.3	2.6
185	4/6/2020 10:28	0.3	3
186	4/6/2020 10:29	0.3	3.6
187	4/6/2020 10:30	0.4	4
188	4/6/2020 10:31	0.4	4.5
189	4/6/2020 10:32	0.4	4.9
190	4/6/2020 10:33	0.4	5.5
191	4/6/2020 10:34	0.4	5.8
192	4/6/2020 10:35	0.4	6.1
193	4/6/2020 10:36	0.4	6.2
194	4/6/2020 10:37	0.4	6.3
195	4/6/2020 10:38	0.4	6.3
196	4/6/2020 10:39	0.5	6.4
197	4/6/2020 10:40	0.5	6.5
198	4/6/2020 10:41	0.5	5.6
199	4/6/2020 10:42	0.5	5.6
200	4/6/2020 10:43	0.5	5.4
201	4/6/2020 10:44	0.5	5
202	4/6/2020 10:45	0.5	4.5
203	4/6/2020 10:46	0.5	4.2
204	4/6/2020 10:47	0.5	3.8
205	4/6/2020 10:48	0.5	3.5
206	4/6/2020 10:49	0.5	3
207	4/6/2020 10:50	0.5	3
208	4/6/2020 10:51	0.5	2.9
209	4/6/2020 10:52	0.5	2.9
210	4/6/2020 10:53	0.5	3
211	4/6/2020 10:54	0.5	3
212	4/6/2020 10:55	0.5	3.1
213	4/6/2020 10:56	0.6	3.2
214	4/6/2020 10:57	0.6	3.3
215	4/6/2020 10:58	0.6	3.2
216	4/6/2020 10:59	0.6	3.2
217	4/6/2020 11:00	0.6	3.2
218	4/6/2020 11:01	0.6	3.3
219	4/6/2020 11:02	0.6	3.3
220	4/6/2020 11:03	0.6	3.4
221	4/6/2020 11:04	0.6	3.3
222	4/6/2020 11:05	0.6	3.3
223	4/6/2020 11:06	0.6	3
224	4/6/2020 11:07	0.6	2.8
225	4/6/2020 11:08	0.6	2.7
226	4/6/2020 11:09	0.6	2.5
227	4/6/2020 11:10	0.6	2.4
228	4/6/2020 11:11	0.6	2.1
229	4/6/2020 11:12	0.6	2
230	4/6/2020 11:13	0.6	1.9

231	4/6/2020 11:14	0.6	1.8
232	4/6/2020 11:15	0.6	1.7
233	4/6/2020 11:16	0.6	1.6
234	4/6/2020 11:17	0.6	1.5
235	4/6/2020 11:18	0.6	1.3
236	4/6/2020 11:19	0.6	1.2
237	4/6/2020 11:20	0.6	1.1
238	4/6/2020 11:21	0.6	1
239	4/6/2020 11:22	0.6	1
240	4/6/2020 11:23	0.6	0.9
241	4/6/2020 11:24	0.6	0.9
242	4/6/2020 11:25	0.6	0.9
243	4/6/2020 11:26	0.6	0.9
244	4/6/2020 11:27	0.6	0.8
245	4/6/2020 11:28	0.6	0.8
246	4/6/2020 11:29	0.6	0.8
247	4/6/2020 11:30	0.6	0.8
248	4/6/2020 11:31	0.6	0.8
249	4/6/2020 11:32	0.7	0.8
250	4/6/2020 11:33	0.7	0.8
251	4/6/2020 11:34	0.7	0.8
252	4/6/2020 11:35	0.7	0.9
253	4/6/2020 11:36	0.7	0.8
254	4/6/2020 11:37	0.7	0.9
255	4/6/2020 11:38	0.7	0.8
256	4/6/2020 11:39	0.7	0.8
257	4/6/2020 11:40	0.7	0.8
258	4/6/2020 11:41	0.7	0.8
259	4/6/2020 11:42	0.7	0.8
260	4/6/2020 11:43	0.7	0.8
261	4/6/2020 11:44	0.7	0.7
262	4/6/2020 11:45	0.7	0.7
263	4/6/2020 11:46	0.7	0.7
264	4/6/2020 11:47	0.7	0.7
265	4/6/2020 11:48	0.7	0.6
266	4/6/2020 11:49	0.7	0.5
267	4/6/2020 11:50	0.7	0.4
268	4/6/2020 11:51	0.7	0.4
269	4/6/2020 11:52	0.7	0.4
270	4/6/2020 11:53	0.7	0.4
271	4/6/2020 11:54	0.7	0.4
272	4/6/2020 11:55	0.7	0.5
273	4/6/2020 11:56	0.7	0.5
274	4/6/2020 11:57	0.7	0.5
275	4/6/2020 11:58	0.7	0.5
276	4/6/2020 11:59	0.7	0.5
277	4/6/2020 12:00	0.7	0.5

278	4/6/2020 12:01	0.7	0.5
279	4/6/2020 12:02	0.7	0.5
280	4/6/2020 12:03	0.7	0.5
281	4/6/2020 12:04	0.7	0.5
282	4/6/2020 12:05	0.7	0.5
283	4/6/2020 12:06	0.7	0.5
284	4/6/2020 12:07	0.7	0.5
285	4/6/2020 12:08	0.7	0.5
286	4/6/2020 12:09	0.7	0.5
287	4/6/2020 12:10	0.7	0.4
288	4/6/2020 12:11	0.7	0.4
289	4/6/2020 12:12	0.7	0.4
290	4/6/2020 12:13	0.7	0.4
291	4/6/2020 12:14	0.7	0.5
292	4/6/2020 12:15	0.7	0.5
293	4/6/2020 12:16	0.7	0.5
294	4/6/2020 12:17	0.7	0.5
295	4/6/2020 12:18	0.7	0.5
296	4/6/2020 12:19	0.7	0.5
297	4/6/2020 12:20	0.7	0.5
298	4/6/2020 12:21	0.7	0.5
299	4/6/2020 12:22	0.7	0.5
300	4/6/2020 12:23	0.7	0.5
301	4/6/2020 12:24	0.7	0.5
302	4/6/2020 12:25	0.7	0.6
303	4/6/2020 12:26	0.7	0.6
304	4/6/2020 12:27	0.7	0.6
305	4/6/2020 12:28	0.7	0.6
306	4/6/2020 12:29	0.7	0.5
307	4/6/2020 12:30	0.7	0.4
308	4/6/2020 12:31	0.7	0.4
309	4/6/2020 12:32	0.7	0.4
310	4/6/2020 12:33	0.7	0.3
311	4/6/2020 12:34	0.7	0.3
312	4/6/2020 12:35	0.7	0.3
313	4/6/2020 12:36	0.7	0.3
314	4/6/2020 12:37	0.7	0.3
315	4/6/2020 12:38	0.7	0.3
316	4/6/2020 12:39	0.7	0.4
317	4/6/2020 12:40	0.7	0.4
318	4/6/2020 12:41	0.7	0.4
319	4/6/2020 12:42	0.7	0.5
320	4/6/2020 12:43	0.7	0.7
321	4/6/2020 12:44	0.7	0.8
322	4/6/2020 12:45	0.7	0.9
323	4/6/2020 12:46	0.7	0.9
324	4/6/2020 12:47	0.7	1

325	4/6/2020 12:48	0.7	1.1
326	4/6/2020 12:49	0.7	1.2
327	4/6/2020 12:50	0.8	1.3
328	4/6/2020 12:51	0.8	1.3
329	4/6/2020 12:52	0.8	1.4
330	4/6/2020 12:53	0.8	1.4
331	4/6/2020 12:54	0.8	1.4
332	4/6/2020 12:55	0.8	1.4
333	4/6/2020 12:56	0.8	1.4
334	4/6/2020 12:57	0.8	1.3
335	4/6/2020 12:58	0.8	1.2
336	4/6/2020 12:59	0.8	1.1
337	4/6/2020 13:00	0.8	1
338	4/6/2020 13:01	0.8	1
339	4/6/2020 13:02	0.8	1
340	4/6/2020 13:03	0.8	1
341	4/6/2020 13:04	0.8	0.9
342	4/6/2020 13:05	0.8	0.8
343	4/6/2020 13:06	0.8	0.8
344	4/6/2020 13:07	0.8	0.8
345	4/6/2020 13:08	0.8	0.8
346	4/6/2020 13:09	0.8	0.9
347	4/6/2020 13:10	0.8	0.9
348	4/6/2020 13:11	0.8	1
349	4/6/2020 13:12	0.8	1.1
350	4/6/2020 13:13	0.8	1.1
351	4/6/2020 13:14	0.8	1.1
352	4/6/2020 13:15	0.8	1.1
353	4/6/2020 13:16	0.8	1.1
354	4/6/2020 13:17	0.8	1.1
355	4/6/2020 13:18	0.8	1
356	4/6/2020 13:19	0.8	1
357	4/6/2020 13:20	0.8	1
358	4/6/2020 13:21	0.8	1
359	4/6/2020 13:22	0.8	1.1
360	4/6/2020 13:23	0.8	1.1
361	4/6/2020 13:24	0.8	1.1
362	4/6/2020 13:25	0.8	1
363	4/6/2020 13:26	0.8	1
364	4/6/2020 13:27	0.8	1
365	4/6/2020 13:28	0.8	0.9
366	4/6/2020 13:29	0.8	0.9
367	4/6/2020 13:30	0.8	1
368	4/6/2020 13:31	0.8	1
369	4/6/2020 13:32	0.8	1
370	4/6/2020 13:33	0.8	1.1
371	4/6/2020 13:34	0.8	1.1

372	4/6/2020 13:35	0.8	1.2
373	4/6/2020 13:36	0.8	1.2
374	4/6/2020 13:37	0.8	1.1
375	4/6/2020 13:38	0.8	1.1
376	4/6/2020 13:39	0.8	1
377	4/6/2020 13:40	0.8	0.9
378	4/6/2020 13:41	0.8	0.8
379	4/6/2020 13:42	0.8	0.8
380	4/6/2020 13:43	0.8	0.8
381	4/6/2020 13:44	0.8	0.8
382	4/6/2020 13:45	0.9	0.8
383	4/6/2020 13:46	0.9	0.8
384	4/6/2020 13:47	0.9	0.9
385	4/6/2020 13:48	0.9	0.8
386	4/6/2020 13:49	0.9	0.8
387	4/6/2020 13:50	0.9	0.8
388	4/6/2020 13:51	0.9	0.8
389	4/6/2020 13:52	0.9	0.8
390	4/6/2020 13:53	0.9	0.7
391	4/6/2020 13:54	0.9	0.7
392	4/6/2020 13:55	0.9	0.7
393	4/6/2020 13:56	0.9	0.7
394	4/6/2020 13:57	0.9	0.7
395	4/6/2020 13:58	0.9	0.7
396	4/6/2020 13:59	0.9	0.6
397	4/6/2020 14:00	0.9	0.6
398	4/6/2020 14:01	0.9	0.5
399	4/6/2020 14:02	0.9	0.5
400	4/6/2020 14:03	0.9	0.4
401	4/6/2020 14:04	0.9	0.4
402	4/6/2020 14:05	0.9	0.3
403	4/6/2020 14:06	0.9	0.3
404	4/6/2020 14:07	0.9	0.3
405	4/6/2020 14:08	0.9	0.3
406	4/6/2020 14:09	0.9	0.3
407	4/6/2020 14:10	0.9	0.3
408	4/6/2020 14:11	0.9	0.3
409	4/6/2020 14:12	0.9	0.3
410	4/6/2020 14:13	0.9	0.3
411	4/6/2020 14:14	0.9	0.3
412	4/6/2020 14:15	0.9	0.3
413	4/6/2020 14:16	0.9	0.3
414	4/6/2020 14:17	0.9	0.3
415	4/6/2020 14:18	0.9	0.3
416	4/6/2020 14:19	0.9	0.3
417	4/6/2020 14:20	0.9	0.3
418	4/6/2020 14:21	0.9	0.3

419	4/6/2020 14:22	0.9	0.3
420	4/6/2020 14:23	0.9	0.3
421	4/6/2020 14:24	0.9	0.3
422	4/6/2020 14:25	0.9	0.3
423	4/6/2020 14:26	0.9	0.3
424	4/6/2020 14:27	0.9	0.3
425	4/6/2020 14:28	0.9	0.3
426	4/6/2020 14:29	0.9	0.3
427	4/6/2020 14:30	0.9	0.3
428	4/6/2020 14:31	0.9	0.3
429	4/6/2020 14:32	0.9	0.3
430	4/6/2020 14:33	0.9	0.3
431	4/6/2020 14:34	0.9	0.3
432	4/6/2020 14:35	0.9	0.3
433	4/6/2020 14:36	0.9	0.3
434	4/6/2020 14:37	0.9	0.3
435	4/6/2020 14:38	0.9	0.3
436	4/6/2020 14:39	0.9	0.3
437	4/6/2020 14:40	0.9	0.3
438	4/6/2020 14:41	0.9	0.3
439	4/6/2020 14:42	0.9	0.3
440	4/6/2020 14:43	0.9	0.3
441	4/6/2020 14:44	0.9	0.3
442	4/6/2020 14:45	0.9	0.3
443	4/6/2020 14:46	0.9	0.3
444	4/6/2020 14:47	0.9	0.3
445	4/6/2020 14:48	0.9	0.3
446	4/6/2020 14:49	0.9	0.3
447	4/6/2020 14:50	0.9	0.3
448	4/6/2020 14:51	0.9	0.3
449	4/6/2020 14:52	0.9	0.3
450	4/6/2020 14:53	0.9	0.3
451	4/6/2020 14:54	0.9	0.3
452	4/6/2020 14:55	0.9	0.3
453	4/6/2020 14:56	0.9	0.3
454	4/6/2020 14:57	0.9	0.3
455	4/6/2020 14:58	0.9	0.3
456	4/6/2020 14:59	0.9	0.3
457	4/6/2020 15:00	0.9	0.3
458	4/6/2020 15:01	0.9	0.3
459	4/6/2020 15:02	0.9	0.3
460	4/6/2020 15:03	0.9	0.3
461	4/6/2020 15:04	0.9	0.2
462	4/6/2020 15:05	0.9	0.2
463	4/6/2020 15:06	0.9	0.2
464	4/6/2020 15:07	0.9	0.2
465	4/6/2020 15:08	0.9	0.3

466	4/6/2020 15:09	0.9	0.4
467	4/6/2020 15:10	0.9	0.4
468	4/6/2020 15:11	0.9	0.5
469	4/6/2020 15:12	0.9	0.6
470	4/6/2020 15:13	0.9	0.7
471	4/6/2020 15:14	0.9	0.7
472	4/6/2020 15:15	0.9	0.8

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20/04/07 07:09
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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-918988
Unit Firmware Ver	V2.20A
Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down
Site ID	12345678
User ID	12345678
Begin	4/7/2020 7:09
End	4/7/2020 15:12
Sample Period(s)	60
Number of Records	483
Sensor	PID(ppm)
Sensor SN	S023030089A2
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	100
TWA Alarm	50
Measurement Gas	Isobutylene
Calibration Time	4/1/2020 9:04
Peak	13.1
Min	0
Average	3.1

****
Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	4/7/2020 7:10	0	0	0
2	4/7/2020 7:11	0	0	0
3	4/7/2020 7:12	0	0	0
4	4/7/2020 7:13	0	0.1	0.1
5	4/7/2020 7:14	0.1	0.1	0.1

6	4/7/2020 7:15	0.1	0.1	0.1
7	4/7/2020 7:16	0.1	0.1	0.1
8	4/7/2020 7:17	0.1	0.1	0.1
9	4/7/2020 7:18	0.1	0.1	0.1
10	4/7/2020 7:19	0.1	0.1	0.1
11	4/7/2020 7:20	0.1	0.1	0.1
12	4/7/2020 7:21	0.1	0.1	0.1
13	4/7/2020 7:22	0	0.1	0
14	4/7/2020 7:23	0	0.1	0.1
15	4/7/2020 7:24	0.1	0.1	0.1
16	4/7/2020 7:25	0	0.1	0
17	4/7/2020 7:26	0.1	0.1	0.1
18	4/7/2020 7:27	0.1	0.1	0.1
19	4/7/2020 7:28	0.1	0.1	0.1
20	4/7/2020 7:29	0.1	0.1	0.1
21	4/7/2020 7:30	0.1	0.1	0.1
22	4/7/2020 7:31	0.1	0.1	0.1
23	4/7/2020 7:32	0.1	0.1	0.1
24	4/7/2020 7:33	0.1	0.1	0.1
25	4/7/2020 7:34	0.1	0.1	0.1
26	4/7/2020 7:35	0.1	0.1	0.1
27	4/7/2020 7:36	0.1	0.1	0.1
28	4/7/2020 7:37	0.1	0.1	0.1
29	4/7/2020 7:38	0.1	0.1	0.1
30	4/7/2020 7:39	0.1	0.2	0.1
31	4/7/2020 7:40	0.1	0.1	0.1
32	4/7/2020 7:41	0.1	0.1	0.1
33	4/7/2020 7:42	0.1	0.1	0.1
34	4/7/2020 7:43	0.1	0.1	0.1
35	4/7/2020 7:44	0.1	0.1	0.1
36	4/7/2020 7:45	0.1	0.1	0.1
37	4/7/2020 7:46	0.1	0.1	0.1
38	4/7/2020 7:47	0.1	0.1	0.1
39	4/7/2020 7:48	0.1	0.1	0.1
40	4/7/2020 7:49	0.1	0.1	0.1
41	4/7/2020 7:50	0.1	0.1	0.1
42	4/7/2020 7:51	0.1	0.1	0.1
43	4/7/2020 7:52	0.1	0.1	0.1
44	4/7/2020 7:53	0.1	0.1	0.1
45	4/7/2020 7:54	0.1	0.2	0.2
46	4/7/2020 7:55	0.2	0.3	0.2
47	4/7/2020 7:56	0.2	0.3	0.2
48	4/7/2020 7:57	0.3	0.4	0.4
49	4/7/2020 7:58	0.3	0.4	0.2
50	4/7/2020 7:59	0.2	0.3	0.2
51	4/7/2020 8:00	0.2	0.2	0.1
52	4/7/2020 8:01	0.2	0.2	0.2

53	4/7/2020 8:02	0.2	0.2	0.2
54	4/7/2020 8:03	0.2	0.2	0.2
55	4/7/2020 8:04	0.2	0.2	0.2
56	4/7/2020 8:05	0.2	0.2	0.2
57	4/7/2020 8:06	0.2	0.2	0.2
58	4/7/2020 8:07	0.2	0.2	0.2
59	4/7/2020 8:08	0.2	0.2	0.1
60	4/7/2020 8:09	0.6	1	0.8
61	4/7/2020 8:10	1	1.3	1.1
62	4/7/2020 8:11	1.2	1.4	1.3
63	4/7/2020 8:12	1.5	1.7	1.2
64	4/7/2020 8:13	1.2	1.4	1.1
65	4/7/2020 8:14	1.1	1.1	1.1
66	4/7/2020 8:15	1	1.2	1
67	4/7/2020 8:16	0.9	1.1	0.5
68	4/7/2020 8:17	0.5	0.7	0.5
69	4/7/2020 8:18	0.4	0.8	0.3
70	4/7/2020 8:19	0.3	0.5	0.2
71	4/7/2020 8:20	0.2	0.3	0.2
72	4/7/2020 8:21	0.2	0.4	0.1
73	4/7/2020 8:22	0.1	0.3	0.1
74	4/7/2020 8:23	0.1	0.2	0.1
75	4/7/2020 8:24	0.1	0.1	0
76	4/7/2020 8:25	0	0.1	0
77	4/7/2020 8:26	0	0.1	0.1
78	4/7/2020 8:27	0	0.1	0
79	4/7/2020 8:28	0.1	0.1	0
80	4/7/2020 8:29	0	0.1	0.1
81	4/7/2020 8:30	0.1	0.2	0.1
82	4/7/2020 8:31	0.1	0.2	0.1
83	4/7/2020 8:32	0.1	0.2	0.1
84	4/7/2020 8:33	0.1	0.2	0.1
85	4/7/2020 8:34	0.1	0.2	0.2
86	4/7/2020 8:35	0.2	0.3	0.2
87	4/7/2020 8:36	0.2	0.3	0
88	4/7/2020 8:37	0.2	0.3	0.2
89	4/7/2020 8:38	0.1	0.4	0.4
90	4/7/2020 8:39	0.2	0.4	0.1
91	4/7/2020 8:40	0.1	0.2	0.1
92	4/7/2020 8:41	0.5	1	0.1
93	4/7/2020 8:42	0.3	0.9	0.6
94	4/7/2020 8:43	1.1	2.8	1.1
95	4/7/2020 8:44	0.8	1.2	0.8
96	4/7/2020 8:45	0.6	1	0.6
97	4/7/2020 8:46	0.3	0.5	0.4
98	4/7/2020 8:47	0.4	0.6	0.3
99	4/7/2020 8:48	0.4	0.7	0.4

100	4/7/2020 8:49	0.3	0.6	0.3
101	4/7/2020 8:50	0.4	0.7	0.1
102	4/7/2020 8:51	0.2	0.5	0.4
103	4/7/2020 8:52	0.4	0.7	0.4
104	4/7/2020 8:53	0.2	0.5	0.5
105	4/7/2020 8:54	0.4	0.6	0.5
106	4/7/2020 8:55	0.5	1	0.4
107	4/7/2020 8:56	0.3	0.8	0.2
108	4/7/2020 8:57	0.3	0.7	0.2
109	4/7/2020 8:58	0.4	0.7	0.3
110	4/7/2020 8:59	0.4	0.6	0.5
111	4/7/2020 9:00	0.5	0.9	0.7
112	4/7/2020 9:01	0.6	0.8	0.6
113	4/7/2020 9:02	0.4	0.8	0.1
114	4/7/2020 9:03	0.3	0.6	0.2
115	4/7/2020 9:04	0.4	0.7	0.4
116	4/7/2020 9:05	0.6	2.2	1.1
117	4/7/2020 9:06	0.6	1.2	0.4
118	4/7/2020 9:07	0.6	1	0.6
119	4/7/2020 9:08	0.4	0.6	0.5
120	4/7/2020 9:09	0.3	0.5	0.2
121	4/7/2020 9:10	0.4	0.7	0.4
122	4/7/2020 9:11	0.3	0.4	0.4
123	4/7/2020 9:12	0.3	0.4	0.3
124	4/7/2020 9:13	0.2	0.4	0.2
125	4/7/2020 9:14	0.2	0.4	0.1
126	4/7/2020 9:15	0.2	0.4	0.2
127	4/7/2020 9:16	0.1	0.2	0
128	4/7/2020 9:17	0	0.1	0
129	4/7/2020 9:18	0	0.1	0.1
130	4/7/2020 9:19	0.1	0.2	0.1
131	4/7/2020 9:20	0.1	0.2	0.1
132	4/7/2020 9:21	0.1	0.2	0.1
133	4/7/2020 9:22	0.1	0.3	0
134	4/7/2020 9:23	0.1	0.3	0.2
135	4/7/2020 9:24	0.3	0.9	0.2
136	4/7/2020 9:25	0.2	0.3	0.1
137	4/7/2020 9:26	0.2	0.3	0.2
138	4/7/2020 9:27	0.1	0.3	0.3
139	4/7/2020 9:28	0.1	0.3	0.2
140	4/7/2020 9:29	0.1	0.2	0
141	4/7/2020 9:30	0.1	0.2	0.1
142	4/7/2020 9:31	0	0.1	0
143	4/7/2020 9:32	0	0.1	0
144	4/7/2020 9:33	0	0.1	0
145	4/7/2020 9:34	0	0.1	0.1
146	4/7/2020 9:35	0.1	0.2	0

147	4/7/2020 9:36	0.1	0.3	0.3
148	4/7/2020 9:37	0.3	0.3	0.3
149	4/7/2020 9:38	0.3	0.3	0.3
150	4/7/2020 9:39	2	7.1	2.4
151	4/7/2020 9:40	2.4	4.1	1.9
152	4/7/2020 9:41	2.2	3	2.4
153	4/7/2020 9:42	2.1	2.7	2
154	4/7/2020 9:43	1.9	2.2	1.7
155	4/7/2020 9:44	2.1	2.6	2.2
156	4/7/2020 9:45	0.7	1.9	0.2
157	4/7/2020 9:46	0.3	0.5	0.2
158	4/7/2020 9:47	0.2	0.3	0.2
159	4/7/2020 9:48	0.2	0.3	0.2
160	4/7/2020 9:49	0.2	0.3	0.1
161	4/7/2020 9:50	0.5	1.1	0.4
162	4/7/2020 9:51	0.9	2.1	0.7
163	4/7/2020 9:52	0.7	1.3	0.5
164	4/7/2020 9:53	1.5	4.7	0.4
165	4/7/2020 9:54	0.9	2	0.9
166	4/7/2020 9:55	0.8	1.2	0.5
167	4/7/2020 9:56	0.6	0.9	0.9
168	4/7/2020 9:57	1.4	2	1.5
169	4/7/2020 9:58	1.1	1.9	0.5
170	4/7/2020 9:59	0.7	1.2	0.8
171	4/7/2020 10:00	0.8	1.3	1.1
172	4/7/2020 10:01	1.7	3.5	3.4
173	4/7/2020 10:02	2.3	3.4	1.5
174	4/7/2020 10:03	0.8	1.6	0.8
175	4/7/2020 10:04	0.6	1	0.6
176	4/7/2020 10:05	0.4	0.6	0.4
177	4/7/2020 10:06	1.6	5.4	2.9
178	4/7/2020 10:07	1	3.4	0.4
179	4/7/2020 10:08	0.3	0.5	0.4
180	4/7/2020 10:09	1	3.9	0.9
181	4/7/2020 10:10	0.8	1.5	1.5
182	4/7/2020 10:11	2.4	6	5.8
183	4/7/2020 10:12	1.6	5.4	0.5
184	4/7/2020 10:13	0.4	0.6	0.3
185	4/7/2020 10:14	0.3	0.4	0.2
186	4/7/2020 10:15	0.2	0.3	0.1
187	4/7/2020 10:16	0.3	0.8	0.4
188	4/7/2020 10:17	0.3	0.5	0.3
189	4/7/2020 10:18	0.2	0.5	0.2
190	4/7/2020 10:19	0.4	0.7	0.7
191	4/7/2020 10:20	0.8	1.3	0.7
192	4/7/2020 10:21	1	1.6	1
193	4/7/2020 10:22	0.9	1.4	0.3

194	4/7/2020 10:23	0.4	0.5	0.5
195	4/7/2020 10:24	0.4	0.6	0.6
196	4/7/2020 10:25	0.8	2.4	1
197	4/7/2020 10:26	1.6	3	1.2
198	4/7/2020 10:27	1.4	2.1	1.2
199	4/7/2020 10:28	0.9	1.9	0.7
200	4/7/2020 10:29	0.5	0.8	0.8
201	4/7/2020 10:30	0.5	0.9	0.8
202	4/7/2020 10:31	0.8	1	0.8
203	4/7/2020 10:32	0.7	2	2
204	4/7/2020 10:33	1.4	2	1.3
205	4/7/2020 10:34	1.1	2.4	0.6
206	4/7/2020 10:35	0.5	0.9	0.3
207	4/7/2020 10:36	0.5	0.6	0.6
208	4/7/2020 10:37	0.6	1.2	0.6
209	4/7/2020 10:38	1.2	2.2	1.7
210	4/7/2020 10:39	2.6	3.9	2.7
211	4/7/2020 10:40	2.9	3.4	2.9
212	4/7/2020 10:41	2.2	3.1	3.1
213	4/7/2020 10:42	1.4	3.2	1.1
214	4/7/2020 10:43	0.7	1.1	0.4
215	4/7/2020 10:44	0.5	0.6	0.3
216	4/7/2020 10:45	0.5	0.9	0.4
217	4/7/2020 10:46	0.7	1.8	0.7
218	4/7/2020 10:47	0.5	0.8	0.7
219	4/7/2020 10:48	1.6	2.9	1.6
220	4/7/2020 10:49	1.5	2.3	2.3
221	4/7/2020 10:50	3.6	8.5	8.4
222	4/7/2020 10:51	5.9	8.6	7.1
223	4/7/2020 10:52	3.7	10.4	1.8
224	4/7/2020 10:53	2.9	6	4.2
225	4/7/2020 10:54	6.9	12.5	3.5
226	4/7/2020 10:55	1.9	3.2	2.5
227	4/7/2020 10:56	3.5	6.2	1.9
228	4/7/2020 10:57	2	2.8	1.9
229	4/7/2020 10:58	3.1	3.9	3.9
230	4/7/2020 10:59	3	4.4	1
231	4/7/2020 11:00	2.9	5.5	5.3
232	4/7/2020 11:01	5	5.8	5.8
233	4/7/2020 11:02	9.2	16.5	13.1
234	4/7/2020 11:03	11.6	18.5	8.4
235	4/7/2020 11:04	10.5	16	8.9
236	4/7/2020 11:05	7.5	11.4	7.6
237	4/7/2020 11:06	7	7.7	7.4
238	4/7/2020 11:07	6.1	7.8	7.8
239	4/7/2020 11:08	9.6	13.1	11.6
240	4/7/2020 11:09	8.4	13.1	10.5

241	4/7/2020 11:10	7.1	9.8	6.9
242	4/7/2020 11:11	8.1	10.5	9.1
243	4/7/2020 11:12	8.2	9.8	7
244	4/7/2020 11:13	7.1	9.3	7.7
245	4/7/2020 11:14	6.5	7.9	6.4
246	4/7/2020 11:15	5.1	6.6	4.9
247	4/7/2020 11:16	6.2	7.1	5.2
248	4/7/2020 11:17	4.7	7.8	7.4
249	4/7/2020 11:18	7.4	10.9	6.5
250	4/7/2020 11:19	7.3	9.1	8.4
251	4/7/2020 11:20	6.3	9.1	3.3
252	4/7/2020 11:21	3.6	5.9	2.3
253	4/7/2020 11:22	1.6	2.5	0.7
254	4/7/2020 11:23	1	1.3	0.9
255	4/7/2020 11:24	0.8	1.2	1.1
256	4/7/2020 11:25	1.3	1.8	1.1
257	4/7/2020 11:26	2.2	4.9	4.7
258	4/7/2020 11:27	2.3	5.5	1.4
259	4/7/2020 11:28	4.1	8.2	8
260	4/7/2020 11:29	6	8	6.3
261	4/7/2020 11:30	8.1	14.8	7.6
262	4/7/2020 11:31	11.5	15.7	10.1
263	4/7/2020 11:32	6.3	10.2	2.5
264	4/7/2020 11:33	3.6	5.2	3.1
265	4/7/2020 11:34	3.4	4.9	4.3
266	4/7/2020 11:35	2.3	3.9	0.9
267	4/7/2020 11:36	1.4	3.1	3
268	4/7/2020 11:37	5.3	7	5
269	4/7/2020 11:38	2.5	4.2	3.6
270	4/7/2020 11:39	6.8	8.1	6.6
271	4/7/2020 11:40	6.5	7.1	6.8
272	4/7/2020 11:41	6.9	7.4	6.9
273	4/7/2020 11:42	8.4	13	13
274	4/7/2020 11:43	8.1	14.1	6.9
275	4/7/2020 11:44	8.1	12	6.7
276	4/7/2020 11:45	7	9.5	7.2
277	4/7/2020 11:46	7.7	10.4	10.4
278	4/7/2020 11:47	9.2	13.5	6.1
279	4/7/2020 11:48	6.2	8.9	6.8
280	4/7/2020 11:49	7	10.5	7.5
281	4/7/2020 11:50	7.6	9.2	8
282	4/7/2020 11:51	7.1	10.6	7.9
283	4/7/2020 11:52	8.1	9.4	7.2
284	4/7/2020 11:53	7.7	11.9	6
285	4/7/2020 11:54	6.2	8.3	7.4
286	4/7/2020 11:55	7.2	8.6	6.4
287	4/7/2020 11:56	7	7.8	7.5

288	4/7/2020 11:57	8	9.3	7.3
289	4/7/2020 11:58	7	7.8	5.5
290	4/7/2020 11:59	7.7	9.5	8.5
291	4/7/2020 12:00	7.2	8.4	6.8
292	4/7/2020 12:01	6.8	7.3	7.1
293	4/7/2020 12:02	7	8.5	7.9
294	4/7/2020 12:03	6.5	7.8	6.7
295	4/7/2020 12:04	6.9	8.2	8.1
296	4/7/2020 12:05	7.7	9.3	7.1
297	4/7/2020 12:06	7	7.7	7
298	4/7/2020 12:07	7.4	7.8	7.8
299	4/7/2020 12:08	7.8	9	8
300	4/7/2020 12:09	5.4	8.4	3.5
301	4/7/2020 12:10	2.8	6.2	2.2
302	4/7/2020 12:11	6.4	10.5	7.7
303	4/7/2020 12:12	4.9	9.4	9.1
304	4/7/2020 12:13	9.1	11.1	9.7
305	4/7/2020 12:14	11	11.8	11.7
306	4/7/2020 12:15	9.9	11.9	7.9
307	4/7/2020 12:16	9.6	10.5	10.5
308	4/7/2020 12:17	9.5	10.7	7.9
309	4/7/2020 12:18	9.1	9.7	6.7
310	4/7/2020 12:19	10.1	13	10.7
311	4/7/2020 12:20	10.7	11.6	10.4
312	4/7/2020 12:21	9.2	10.4	9.2
313	4/7/2020 12:22	9.9	10.7	8.9
314	4/7/2020 12:23	9.4	10.4	10.3
315	4/7/2020 12:24	7.7	10.3	8.1
316	4/7/2020 12:25	9.1	10.2	9.7
317	4/7/2020 12:26	9.1	10.5	8.9
318	4/7/2020 12:27	8.1	9.5	7.4
319	4/7/2020 12:28	8.2	10	7.1
320	4/7/2020 12:29	8.6	11.2	8.9
321	4/7/2020 12:30	9.5	10.8	10.2
322	4/7/2020 12:31	10.9	12.1	10.4
323	4/7/2020 12:32	9.7	10.7	9.1
324	4/7/2020 12:33	8.3	9.2	3.8
325	4/7/2020 12:34	7	11	7.8
326	4/7/2020 12:35	8.2	8.9	8.1
327	4/7/2020 12:36	7.3	8.9	7.3
328	4/7/2020 12:37	7.8	9.6	4.7
329	4/7/2020 12:38	5.6	7.5	4.5
330	4/7/2020 12:39	6.8	7.7	7.5
331	4/7/2020 12:40	6.4	7.3	6.4
332	4/7/2020 12:41	4.9	7	5.4
333	4/7/2020 12:42	5.5	7.7	5.9
334	4/7/2020 12:43	5.2	6.4	6.1

335	4/7/2020 12:44	5.7	6.8	3.8
336	4/7/2020 12:45	5.3	6.6	6
337	4/7/2020 12:46	6.4	7.1	6.3
338	4/7/2020 12:47	5.3	6.5	5.8
339	4/7/2020 12:48	6.3	7.5	6.4
340	4/7/2020 12:49	6.5	7.4	5.5
341	4/7/2020 12:50	5.1	5.8	4.8
342	4/7/2020 12:51	6	8.5	4.2
343	4/7/2020 12:52	4.7	7.3	4.9
344	4/7/2020 12:53	5.2	6.1	5
345	4/7/2020 12:54	4.4	5.6	4.1
346	4/7/2020 12:55	4.1	4.9	4.7
347	4/7/2020 12:56	4.9	5.9	5.1
348	4/7/2020 12:57	4.4	5.5	4.7
349	4/7/2020 12:58	4.8	5.2	4.6
350	4/7/2020 12:59	5.3	7	4.6
351	4/7/2020 13:00	4.4	4.8	4.5
352	4/7/2020 13:01	5.1	6.5	6.5
353	4/7/2020 13:02	5.7	6.8	4.8
354	4/7/2020 13:03	4.8	6.3	5.8
355	4/7/2020 13:04	5.3	5.8	5.7
356	4/7/2020 13:05	5.5	8.3	4.8
357	4/7/2020 13:06	5	6.2	5.5
358	4/7/2020 13:07	5.2	5.6	5.6
359	4/7/2020 13:08	5.2	6.9	4.4
360	4/7/2020 13:09	4.7	5.7	4.7
361	4/7/2020 13:10	4.8	5.3	5
362	4/7/2020 13:11	4.7	5.3	4.6
363	4/7/2020 13:12	4.4	5.4	2.4
364	4/7/2020 13:13	3.7	4.6	3.4
365	4/7/2020 13:14	3.9	4.4	4
366	4/7/2020 13:15	3.5	3.9	3.9
367	4/7/2020 13:16	3.9	4.2	4
368	4/7/2020 13:17	3.8	4.1	4.1
369	4/7/2020 13:18	2.9	4.2	2.1
370	4/7/2020 13:19	2.2	3.5	1.6
371	4/7/2020 13:20	2.7	3.3	3.1
372	4/7/2020 13:21	2.6	3.4	3.1
373	4/7/2020 13:22	2.8	3.2	2.7
374	4/7/2020 13:23	2.4	2.8	2.5
375	4/7/2020 13:24	2.2	2.9	2.3
376	4/7/2020 13:25	2.6	3.1	2.6
377	4/7/2020 13:26	2.5	3	2.5
378	4/7/2020 13:27	2.3	2.7	2.3
379	4/7/2020 13:28	2.5	3.3	3.3
380	4/7/2020 13:29	1.9	3.2	1.4
381	4/7/2020 13:30	2.6	3.2	2.4

382	4/7/2020 13:31	2.4	2.7	2.6
383	4/7/2020 13:32	2.5	2.9	2.9
384	4/7/2020 13:33	2.7	4.2	2.3
385	4/7/2020 13:34	3.1	5.5	1.3
386	4/7/2020 13:35	3.7	5.1	3.2
387	4/7/2020 13:36	3.8	4.9	3.5
388	4/7/2020 13:37	3.3	4	3
389	4/7/2020 13:38	3.1	3.9	2.8
390	4/7/2020 13:39	2.9	3.6	2.8
391	4/7/2020 13:40	3.5	4.3	3.3
392	4/7/2020 13:41	2.7	3.7	2
393	4/7/2020 13:42	3.3	5.2	3.6
394	4/7/2020 13:43	3.1	4.7	2.1
395	4/7/2020 13:44	4.2	7.3	3.5
396	4/7/2020 13:45	2.6	3.4	1.7
397	4/7/2020 13:46	3.2	5.4	3.5
398	4/7/2020 13:47	3.5	8.3	4.6
399	4/7/2020 13:48	5.6	8.6	6.1
400	4/7/2020 13:49	5.7	6.9	6.1
401	4/7/2020 13:50	4.2	5.9	3.6
402	4/7/2020 13:51	4.7	5.7	3.9
403	4/7/2020 13:52	3.9	4.5	4
404	4/7/2020 13:53	3.9	5	2.8
405	4/7/2020 13:54	4.3	6.2	4
406	4/7/2020 13:55	3.8	6.5	3.7
407	4/7/2020 13:56	3.7	5.3	3.3
408	4/7/2020 13:57	3.2	4	3.4
409	4/7/2020 13:58	3.5	4	2.6
410	4/7/2020 13:59	7.1	19.1	8.6
411	4/7/2020 14:00	4.7	9.9	4.9
412	4/7/2020 14:01	4.5	6.8	4.1
413	4/7/2020 14:02	5.2	8.4	6.1
414	4/7/2020 14:03	4.1	6.5	2.5
415	4/7/2020 14:04	3	3.9	3
416	4/7/2020 14:05	3.7	7.8	2.7
417	4/7/2020 14:06	5.9	8.9	5.5
418	4/7/2020 14:07	6.7	10.2	6.2
419	4/7/2020 14:08	6	11.6	5.1
420	4/7/2020 14:09	5.7	8.3	5.4
421	4/7/2020 14:10	7.7	14	10.7
422	4/7/2020 14:11	6.3	11.2	3.3
423	4/7/2020 14:12	4.3	9	4.1
424	4/7/2020 14:13	4.2	5.4	3.5
425	4/7/2020 14:14	4.3	6.8	5
426	4/7/2020 14:15	4.1	8.1	3
427	4/7/2020 14:16	4.8	8.3	4
428	4/7/2020 14:17	4.6	7.3	3.8

429	4/7/2020 14:18	3.7	5	4.5
430	4/7/2020 14:19	5.4	12.2	12.2
431	4/7/2020 14:20	7	13	8.6
432	4/7/2020 14:21	6.1	11	4.8
433	4/7/2020 14:22	6.9	9.1	8.4
434	4/7/2020 14:23	6	8.6	7
435	4/7/2020 14:24	5.4	8.7	8.7
436	4/7/2020 14:25	8.7	11	7.6
437	4/7/2020 14:26	6.7	7.6	6.9
438	4/7/2020 14:27	6.5	6.9	6.3
439	4/7/2020 14:28	5.5	6	5.4
440	4/7/2020 14:29	5.4	6.1	4.6
441	4/7/2020 14:30	4.5	5.5	4.3
442	4/7/2020 14:31	4.7	5.4	5
443	4/7/2020 14:32	5	5.5	4.8
444	4/7/2020 14:33	4.7	5.5	5.1
445	4/7/2020 14:34	5.2	5.6	5.6
446	4/7/2020 14:35	5.7	6.6	6.3
447	4/7/2020 14:36	5	6.3	4.5
448	4/7/2020 14:37	6.3	7.1	6.2
449	4/7/2020 14:38	5.4	7	3.9
450	4/7/2020 14:39	4.5	6	5.1
451	4/7/2020 14:40	5.1	6	3.4
452	4/7/2020 14:41	4.7	5.6	5.4
453	4/7/2020 14:42	3.9	5.6	3.8
454	4/7/2020 14:43	3.6	4.5	3.2
455	4/7/2020 14:44	4.7	5.6	5.6
456	4/7/2020 14:45	4.8	5.5	4.2
457	4/7/2020 14:46	4.1	5	4
458	4/7/2020 14:47	4.2	4.6	4.2
459	4/7/2020 14:48	3.7	4.4	4.1
460	4/7/2020 14:49	4.5	4.9	4.6
461	4/7/2020 14:50	4.7	5	4
462	4/7/2020 14:51	3.4	4.5	4.2
463	4/7/2020 14:52	4.2	4.6	2.4
464	4/7/2020 14:53	3.6	4.1	1.8
465	4/7/2020 14:54	2.7	3.9	3.6
466	4/7/2020 14:55	3.3	3.8	3.8
467	4/7/2020 14:56	3.1	4	3.2
468	4/7/2020 14:57	3.4	4.1	4.1
469	4/7/2020 14:58	3.5	4	3.6
470	4/7/2020 14:59	3.5	3.8	3.2
471	4/7/2020 15:00	3	3.4	2.2
472	4/7/2020 15:01	2	3.2	1.9
473	4/7/2020 15:02	1.6	2.4	2.2
474	4/7/2020 15:03	2.9	3.4	3.3
475	4/7/2020 15:04	2.6	3.3	2

	476	4/7/2020 15:05	2.9	3.1	3
	477	4/7/2020 15:06	2.5	3	2.7
	478	4/7/2020 15:07	2.2	2.8	2.3
	479	4/7/2020 15:08	2.3	2.7	2.4
	480	4/7/2020 15:09	2.1	2.4	2.2
	481	4/7/2020 15:10	2	2.3	1.4
	482	4/7/2020 15:11	1.5	2.4	2.3
	483	4/7/2020 15:12	2.2	3.2	1.3
Peak			11.6	19.1	13.1
Min			0	0	0
Average			3.1	4.3	3.1

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	4/7/2020 7:10	0	---
2	4/7/2020 7:11	0	---
3	4/7/2020 7:12	0	---
4	4/7/2020 7:13	0	---
5	4/7/2020 7:14	0	---
6	4/7/2020 7:15	0	---
7	4/7/2020 7:16	0	---
8	4/7/2020 7:17	0	---
9	4/7/2020 7:18	0	---
10	4/7/2020 7:19	0	---
11	4/7/2020 7:20	0	---
12	4/7/2020 7:21	0	---
13	4/7/2020 7:22	0	---
14	4/7/2020 7:23	0	---
15	4/7/2020 7:24	0	0.1
16	4/7/2020 7:25	0	0.1
17	4/7/2020 7:26	0	0.1
18	4/7/2020 7:27	0	0.1
19	4/7/2020 7:28	0	0.1
20	4/7/2020 7:29	0	0.1
21	4/7/2020 7:30	0	0.1
22	4/7/2020 7:31	0	0.1
23	4/7/2020 7:32	0	0.1
24	4/7/2020 7:33	0	0.1
25	4/7/2020 7:34	0	0.1
26	4/7/2020 7:35	0	0.1
27	4/7/2020 7:36	0	0.1
28	4/7/2020 7:37	0	0.1
29	4/7/2020 7:38	0	0.1
30	4/7/2020 7:39	0	0.1
31	4/7/2020 7:40	0	0.1

32	4/7/2020 7:41	0	0.1
33	4/7/2020 7:42	0	0.1
34	4/7/2020 7:43	0	0.1
35	4/7/2020 7:44	0	0.1
36	4/7/2020 7:45	0	0.1
37	4/7/2020 7:46	0	0.1
38	4/7/2020 7:47	0	0.1
39	4/7/2020 7:48	0	0.1
40	4/7/2020 7:49	0	0.1
41	4/7/2020 7:50	0	0.1
42	4/7/2020 7:51	0	0.1
43	4/7/2020 7:52	0	0.1
44	4/7/2020 7:53	0	0.1
45	4/7/2020 7:54	0	0.1
46	4/7/2020 7:55	0	0.1
47	4/7/2020 7:56	0	0.1
48	4/7/2020 7:57	0	0.1
49	4/7/2020 7:58	0	0.2
50	4/7/2020 7:59	0	0.2
51	4/7/2020 8:00	0	0.2
52	4/7/2020 8:01	0	0.2
53	4/7/2020 8:02	0	0.2
54	4/7/2020 8:03	0	0.2
55	4/7/2020 8:04	0	0.2
56	4/7/2020 8:05	0	0.2
57	4/7/2020 8:06	0	0.2
58	4/7/2020 8:07	0	0.2
59	4/7/2020 8:08	0	0.2
60	4/7/2020 8:09	0	0.3
61	4/7/2020 8:10	0	0.3
62	4/7/2020 8:11	0	0.4
63	4/7/2020 8:12	0	0.5
64	4/7/2020 8:13	0	0.5
65	4/7/2020 8:14	0	0.6
66	4/7/2020 8:15	0	0.6
67	4/7/2020 8:16	0	0.6
68	4/7/2020 8:17	0	0.7
69	4/7/2020 8:18	0	0.7
70	4/7/2020 8:19	0	0.7
71	4/7/2020 8:20	0	0.7
72	4/7/2020 8:21	0	0.7
73	4/7/2020 8:22	0	0.7
74	4/7/2020 8:23	0	0.6
75	4/7/2020 8:24	0	0.6
76	4/7/2020 8:25	0	0.6
77	4/7/2020 8:26	0	0.5
78	4/7/2020 8:27	0	0.4

79	4/7/2020 8:28	0	0.4
80	4/7/2020 8:29	0	0.3
81	4/7/2020 8:30	0	0.2
82	4/7/2020 8:31	0	0.2
83	4/7/2020 8:32	0	0.1
84	4/7/2020 8:33	0	0.1
85	4/7/2020 8:34	0	0.1
86	4/7/2020 8:35	0	0.1
87	4/7/2020 8:36	0	0.1
88	4/7/2020 8:37	0	0.1
89	4/7/2020 8:38	0	0.1
90	4/7/2020 8:39	0	0.1
91	4/7/2020 8:40	0	0.1
92	4/7/2020 8:41	0	0.1
93	4/7/2020 8:42	0	0.2
94	4/7/2020 8:43	0	0.2
95	4/7/2020 8:44	0	0.3
96	4/7/2020 8:45	0	0.3
97	4/7/2020 8:46	0	0.3
98	4/7/2020 8:47	0	0.4
99	4/7/2020 8:48	0	0.4
100	4/7/2020 8:49	0	0.4
101	4/7/2020 8:50	0	0.4
102	4/7/2020 8:51	0	0.4
103	4/7/2020 8:52	0	0.4
104	4/7/2020 8:53	0.1	0.4
105	4/7/2020 8:54	0.1	0.4
106	4/7/2020 8:55	0.1	0.5
107	4/7/2020 8:56	0.1	0.5
108	4/7/2020 8:57	0.1	0.5
109	4/7/2020 8:58	0.1	0.5
110	4/7/2020 8:59	0.1	0.4
111	4/7/2020 9:00	0.1	0.4
112	4/7/2020 9:01	0.1	0.4
113	4/7/2020 9:02	0.1	0.4
114	4/7/2020 9:03	0.1	0.4
115	4/7/2020 9:04	0.1	0.4
116	4/7/2020 9:05	0.1	0.4
117	4/7/2020 9:06	0.1	0.5
118	4/7/2020 9:07	0.1	0.5
119	4/7/2020 9:08	0.1	0.5
120	4/7/2020 9:09	0.1	0.5
121	4/7/2020 9:10	0.1	0.5
122	4/7/2020 9:11	0.1	0.5
123	4/7/2020 9:12	0.1	0.5
124	4/7/2020 9:13	0.1	0.5
125	4/7/2020 9:14	0.1	0.4

126	4/7/2020 9:15	0.1	0.4
127	4/7/2020 9:16	0.1	0.4
128	4/7/2020 9:17	0.1	0.3
129	4/7/2020 9:18	0.1	0.3
130	4/7/2020 9:19	0.1	0.3
131	4/7/2020 9:20	0.1	0.3
132	4/7/2020 9:21	0.1	0.2
133	4/7/2020 9:22	0.1	0.2
134	4/7/2020 9:23	0.1	0.2
135	4/7/2020 9:24	0.1	0.2
136	4/7/2020 9:25	0.1	0.2
137	4/7/2020 9:26	0.1	0.2
138	4/7/2020 9:27	0.1	0.1
139	4/7/2020 9:28	0.1	0.1
140	4/7/2020 9:29	0.1	0.1
141	4/7/2020 9:30	0.1	0.1
142	4/7/2020 9:31	0.1	0.1
143	4/7/2020 9:32	0.1	0.1
144	4/7/2020 9:33	0.1	0.1
145	4/7/2020 9:34	0.1	0.1
146	4/7/2020 9:35	0.1	0.1
147	4/7/2020 9:36	0.1	0.1
148	4/7/2020 9:37	0.1	0.1
149	4/7/2020 9:38	0.1	0.2
150	4/7/2020 9:39	0.1	0.3
151	4/7/2020 9:40	0.1	0.4
152	4/7/2020 9:41	0.1	0.6
153	4/7/2020 9:42	0.1	0.7
154	4/7/2020 9:43	0.1	0.8
155	4/7/2020 9:44	0.1	0.9
156	4/7/2020 9:45	0.1	0.9
157	4/7/2020 9:46	0.1	0.9
158	4/7/2020 9:47	0.1	0.9
159	4/7/2020 9:48	0.1	1
160	4/7/2020 9:49	0.1	1
161	4/7/2020 9:50	0.1	1
162	4/7/2020 9:51	0.1	1
163	4/7/2020 9:52	0.1	1
164	4/7/2020 9:53	0.1	1.1
165	4/7/2020 9:54	0.1	1.1
166	4/7/2020 9:55	0.1	1
167	4/7/2020 9:56	0.1	0.9
168	4/7/2020 9:57	0.1	0.8
169	4/7/2020 9:58	0.1	0.7
170	4/7/2020 9:59	0.1	0.7
171	4/7/2020 10:00	0.1	0.6
172	4/7/2020 10:01	0.1	0.8

173	4/7/2020 10:02	0.1	0.9
174	4/7/2020 10:03	0.1	0.9
175	4/7/2020 10:04	0.1	1
176	4/7/2020 10:05	0.1	1
177	4/7/2020 10:06	0.1	1.2
178	4/7/2020 10:07	0.1	1.1
179	4/7/2020 10:08	0.1	1.1
180	4/7/2020 10:09	0.1	1.2
181	4/7/2020 10:10	0.1	1.2
182	4/7/2020 10:11	0.2	1.6
183	4/7/2020 10:12	0.2	1.5
184	4/7/2020 10:13	0.2	1.5
185	4/7/2020 10:14	0.2	1.4
186	4/7/2020 10:15	0.2	1.4
187	4/7/2020 10:16	0.2	1.3
188	4/7/2020 10:17	0.2	1.1
189	4/7/2020 10:18	0.2	1
190	4/7/2020 10:19	0.2	1
191	4/7/2020 10:20	0.2	1
192	4/7/2020 10:21	0.2	1.1
193	4/7/2020 10:22	0.2	0.9
194	4/7/2020 10:23	0.2	0.9
195	4/7/2020 10:24	0.2	0.9
196	4/7/2020 10:25	0.2	0.9
197	4/7/2020 10:26	0.2	0.9
198	4/7/2020 10:27	0.2	0.6
199	4/7/2020 10:28	0.2	0.6
200	4/7/2020 10:29	0.2	0.7
201	4/7/2020 10:30	0.2	0.7
202	4/7/2020 10:31	0.2	0.7
203	4/7/2020 10:32	0.2	0.9
204	4/7/2020 10:33	0.2	0.9
205	4/7/2020 10:34	0.2	0.9
206	4/7/2020 10:35	0.2	0.9
207	4/7/2020 10:36	0.2	0.9
208	4/7/2020 10:37	0.2	0.9
209	4/7/2020 10:38	0.2	1
210	4/7/2020 10:39	0.2	1.1
211	4/7/2020 10:40	0.2	1.3
212	4/7/2020 10:41	0.2	1.4
213	4/7/2020 10:42	0.2	1.4
214	4/7/2020 10:43	0.2	1.4
215	4/7/2020 10:44	0.2	1.3
216	4/7/2020 10:45	0.2	1.3
217	4/7/2020 10:46	0.2	1.3
218	4/7/2020 10:47	0.2	1.3
219	4/7/2020 10:48	0.2	1.3

220	4/7/2020 10:49	0.2	1.3
221	4/7/2020 10:50	0.2	1.9
222	4/7/2020 10:51	0.3	2.3
223	4/7/2020 10:52	0.3	2.4
224	4/7/2020 10:53	0.3	2.6
225	4/7/2020 10:54	0.3	2.7
226	4/7/2020 10:55	0.3	2.7
227	4/7/2020 10:56	0.3	2.7
228	4/7/2020 10:57	0.3	2.6
229	4/7/2020 10:58	0.3	2.8
230	4/7/2020 10:59	0.3	2.8
231	4/7/2020 11:00	0.3	3.1
232	4/7/2020 11:01	0.3	3.5
233	4/7/2020 11:02	0.4	4.3
234	4/7/2020 11:03	0.4	4.8
235	4/7/2020 11:04	0.4	5.3
236	4/7/2020 11:05	0.4	5.7
237	4/7/2020 11:06	0.4	5.6
238	4/7/2020 11:07	0.4	5.7
239	4/7/2020 11:08	0.5	6.3
240	4/7/2020 11:09	0.5	6.7
241	4/7/2020 11:10	0.5	7
242	4/7/2020 11:11	0.5	7.4
243	4/7/2020 11:12	0.5	7.7
244	4/7/2020 11:13	0.6	8.1
245	4/7/2020 11:14	0.6	8.3
246	4/7/2020 11:15	0.6	8.6
247	4/7/2020 11:16	0.6	8.6
248	4/7/2020 11:17	0.6	8.7
249	4/7/2020 11:18	0.6	8.2
250	4/7/2020 11:19	0.6	8.2
251	4/7/2020 11:20	0.6	7.8
252	4/7/2020 11:21	0.6	7.5
253	4/7/2020 11:22	0.6	7
254	4/7/2020 11:23	0.6	6.6
255	4/7/2020 11:24	0.6	5.9
256	4/7/2020 11:25	0.7	5.3
257	4/7/2020 11:26	0.7	5.1
258	4/7/2020 11:27	0.7	4.6
259	4/7/2020 11:28	0.7	4.7
260	4/7/2020 11:29	0.7	4.6
261	4/7/2020 11:30	0.7	4.7
262	4/7/2020 11:31	0.7	5
263	4/7/2020 11:32	0.7	4.8
264	4/7/2020 11:33	0.7	4.5
265	4/7/2020 11:34	0.8	4.4
266	4/7/2020 11:35	0.8	3.9

267	4/7/2020 11:36	0.8	3.9
268	4/7/2020 11:37	0.8	4
269	4/7/2020 11:38	0.8	4.2
270	4/7/2020 11:39	0.8	4.6
271	4/7/2020 11:40	0.8	5
272	4/7/2020 11:41	0.8	5.4
273	4/7/2020 11:42	0.8	5.9
274	4/7/2020 11:43	0.9	6.3
275	4/7/2020 11:44	0.9	6.2
276	4/7/2020 11:45	0.9	6.3
277	4/7/2020 11:46	0.9	6.5
278	4/7/2020 11:47	0.9	6.2
279	4/7/2020 11:48	0.9	6.5
280	4/7/2020 11:49	1	6.8
281	4/7/2020 11:50	1	7
282	4/7/2020 11:51	1	7.5
283	4/7/2020 11:52	1	7.8
284	4/7/2020 11:53	1	7.8
285	4/7/2020 11:54	1	8.1
286	4/7/2020 11:55	1	8.1
287	4/7/2020 11:56	1.1	8.1
288	4/7/2020 11:57	1.1	8.2
289	4/7/2020 11:58	1.1	7.7
290	4/7/2020 11:59	1.1	7.8
291	4/7/2020 12:00	1.1	7.8
292	4/7/2020 12:01	1.1	7.8
293	4/7/2020 12:02	1.1	7.6
294	4/7/2020 12:03	1.2	7.6
295	4/7/2020 12:04	1.2	7.7
296	4/7/2020 12:05	1.2	7.7
297	4/7/2020 12:06	1.2	7.6
298	4/7/2020 12:07	1.2	7.6
299	4/7/2020 12:08	1.2	7.7
300	4/7/2020 12:09	1.2	7.5
301	4/7/2020 12:10	1.3	7.2
302	4/7/2020 12:11	1.3	7.2
303	4/7/2020 12:12	1.3	7.4
304	4/7/2020 12:13	1.3	7.5
305	4/7/2020 12:14	1.3	7.9
306	4/7/2020 12:15	1.4	7.9
307	4/7/2020 12:16	1.4	8.1
308	4/7/2020 12:17	1.4	8.2
309	4/7/2020 12:18	1.4	8.1
310	4/7/2020 12:19	1.4	8.4
311	4/7/2020 12:20	1.4	8.5
312	4/7/2020 12:21	1.5	8.7
313	4/7/2020 12:22	1.5	8.8

314	4/7/2020 12:23	1.5	9
315	4/7/2020 12:24	1.5	9
316	4/7/2020 12:25	1.5	9.4
317	4/7/2020 12:26	1.6	9.8
318	4/7/2020 12:27	1.6	9.8
319	4/7/2020 12:28	1.6	9.7
320	4/7/2020 12:29	1.6	9.6
321	4/7/2020 12:30	1.6	9.5
322	4/7/2020 12:31	1.7	9.7
323	4/7/2020 12:32	1.7	9.6
324	4/7/2020 12:33	1.7	9.3
325	4/7/2020 12:34	1.7	9.4
326	4/7/2020 12:35	1.7	9.2
327	4/7/2020 12:36	1.7	9
328	4/7/2020 12:37	1.7	8.7
329	4/7/2020 12:38	1.7	8.4
330	4/7/2020 12:39	1.8	8.2
331	4/7/2020 12:40	1.8	8.1
332	4/7/2020 12:41	1.8	7.8
333	4/7/2020 12:42	1.8	7.6
334	4/7/2020 12:43	1.8	7.5
335	4/7/2020 12:44	1.8	7.3
336	4/7/2020 12:45	1.8	7.1
337	4/7/2020 12:46	1.8	6.9
338	4/7/2020 12:47	1.9	6.6
339	4/7/2020 12:48	1.9	6.4
340	4/7/2020 12:49	1.9	6.5
341	4/7/2020 12:50	1.9	6.3
342	4/7/2020 12:51	1.9	6
343	4/7/2020 12:52	1.9	5.9
344	4/7/2020 12:53	1.9	5.9
345	4/7/2020 12:54	1.9	5.9
346	4/7/2020 12:55	1.9	5.7
347	4/7/2020 12:56	2	5.6
348	4/7/2020 12:57	2	5.6
349	4/7/2020 12:58	2	5.5
350	4/7/2020 12:59	2	5.4
351	4/7/2020 13:00	2	5.4
352	4/7/2020 13:01	2	5.4
353	4/7/2020 13:02	2	5.3
354	4/7/2020 13:03	2	5.3
355	4/7/2020 13:04	2	5.3
356	4/7/2020 13:05	2	5.3
357	4/7/2020 13:06	2.1	5.3
358	4/7/2020 13:07	2.1	5.4
359	4/7/2020 13:08	2.1	5.4
360	4/7/2020 13:09	2.1	5.3

361	4/7/2020 13:10	2.1	5.4
362	4/7/2020 13:11	2.1	5.4
363	4/7/2020 13:12	2.1	5.2
364	4/7/2020 13:13	2.1	5.1
365	4/7/2020 13:14	2.1	5.1
366	4/7/2020 13:15	2.1	5
367	4/7/2020 13:16	2.1	5
368	4/7/2020 13:17	2.2	4.8
369	4/7/2020 13:18	2.2	4.7
370	4/7/2020 13:19	2.2	4.4
371	4/7/2020 13:20	2.2	4.2
372	4/7/2020 13:21	2.2	4.1
373	4/7/2020 13:22	2.2	3.9
374	4/7/2020 13:23	2.2	3.7
375	4/7/2020 13:24	2.2	3.6
376	4/7/2020 13:25	2.2	3.4
377	4/7/2020 13:26	2.2	3.3
378	4/7/2020 13:27	2.2	3.1
379	4/7/2020 13:28	2.2	3.2
380	4/7/2020 13:29	2.2	3
381	4/7/2020 13:30	2.2	2.9
382	4/7/2020 13:31	2.2	2.8
383	4/7/2020 13:32	2.2	2.8
384	4/7/2020 13:33	2.2	2.6
385	4/7/2020 13:34	2.2	2.6
386	4/7/2020 13:35	2.2	2.7
387	4/7/2020 13:36	2.3	2.7
388	4/7/2020 13:37	2.3	2.7
389	4/7/2020 13:38	2.3	2.7
390	4/7/2020 13:39	2.3	2.7
391	4/7/2020 13:40	2.3	2.8
392	4/7/2020 13:41	2.3	2.8
393	4/7/2020 13:42	2.3	2.8
394	4/7/2020 13:43	2.3	2.8
395	4/7/2020 13:44	2.3	2.8
396	4/7/2020 13:45	2.3	2.9
397	4/7/2020 13:46	2.3	2.9
398	4/7/2020 13:47	2.3	3.1
399	4/7/2020 13:48	2.3	3.3
400	4/7/2020 13:49	2.3	3.5
401	4/7/2020 13:50	2.4	3.7
402	4/7/2020 13:51	2.4	3.7
403	4/7/2020 13:52	2.4	3.8
404	4/7/2020 13:53	2.4	3.8
405	4/7/2020 13:54	2.4	3.8
406	4/7/2020 13:55	2.4	3.9
407	4/7/2020 13:56	2.4	3.9

408	4/7/2020 13:57	2.4	4
409	4/7/2020 13:58	2.4	3.9
410	4/7/2020 13:59	2.4	4.4
411	4/7/2020 14:00	2.4	4.5
412	4/7/2020 14:01	2.5	4.6
413	4/7/2020 14:02	2.5	4.8
414	4/7/2020 14:03	2.5	4.6
415	4/7/2020 14:04	2.5	4.4
416	4/7/2020 14:05	2.5	4.2
417	4/7/2020 14:06	2.5	4.3
418	4/7/2020 14:07	2.5	4.5
419	4/7/2020 14:08	2.5	4.6
420	4/7/2020 14:09	2.5	4.7
421	4/7/2020 14:10	2.5	5.2
422	4/7/2020 14:11	2.6	5.2
423	4/7/2020 14:12	2.6	5.2
424	4/7/2020 14:13	2.6	5.2
425	4/7/2020 14:14	2.6	5.4
426	4/7/2020 14:15	2.6	5
427	4/7/2020 14:16	2.6	4.9
428	4/7/2020 14:17	2.6	4.9
429	4/7/2020 14:18	2.6	4.8
430	4/7/2020 14:19	2.6	5.5
431	4/7/2020 14:20	2.7	5.8
432	4/7/2020 14:21	2.7	6
433	4/7/2020 14:22	2.7	6.2
434	4/7/2020 14:23	2.7	6.2
435	4/7/2020 14:24	2.7	6.5
436	4/7/2020 14:25	2.7	6.6
437	4/7/2020 14:26	2.7	6.4
438	4/7/2020 14:27	2.8	6.6
439	4/7/2020 14:28	2.8	6.6
440	4/7/2020 14:29	2.8	6.7
441	4/7/2020 14:30	2.8	6.7
442	4/7/2020 14:31	2.8	6.8
443	4/7/2020 14:32	2.8	6.9
444	4/7/2020 14:33	2.8	6.9
445	4/7/2020 14:34	2.8	7
446	4/7/2020 14:35	2.8	6.6
447	4/7/2020 14:36	2.9	6.4
448	4/7/2020 14:37	2.9	6.4
449	4/7/2020 14:38	2.9	6.1
450	4/7/2020 14:39	2.9	6
451	4/7/2020 14:40	2.9	5.7
452	4/7/2020 14:41	2.9	5.5
453	4/7/2020 14:42	2.9	5.3
454	4/7/2020 14:43	2.9	5.1

455	4/7/2020 14:44	2.9	5.1
456	4/7/2020 14:45	2.9	5.1
457	4/7/2020 14:46	2.9	5.1
458	4/7/2020 14:47	3	5
459	4/7/2020 14:48	3	5
460	4/7/2020 14:49	3	4.9
461	4/7/2020 14:50	3	4.8
462	4/7/2020 14:51	3	4.7
463	4/7/2020 14:52	3	4.6
464	4/7/2020 14:53	3	4.3
465	4/7/2020 14:54	3	4.2
466	4/7/2020 14:55	3	4.2
467	4/7/2020 14:56	3	4.1
468	4/7/2020 14:57	3	4.1
469	4/7/2020 14:58	3	4
470	4/7/2020 14:59	3	4
471	4/7/2020 15:00	3.1	3.8
472	4/7/2020 15:01	3.1	3.7
473	4/7/2020 15:02	3.1	3.5
474	4/7/2020 15:03	3.1	3.5
475	4/7/2020 15:04	3.1	3.3
476	4/7/2020 15:05	3.1	3.2
477	4/7/2020 15:06	3.1	3.1
478	4/7/2020 15:07	3.1	3
479	4/7/2020 15:08	3.1	3
480	4/7/2020 15:09	3.1	3
481	4/7/2020 15:10	3.1	2.9
482	4/7/2020 15:11	3.1	2.8
483	4/7/2020 15:12	3.1	2.7

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20/04/08 07:16
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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-918988
Unit Firmware Ver	V2.20A
Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down
Site ID	12345678
User ID	12345678
Begin	4/8/2020 7:16
End	4/8/2020 14:58
Sample Period(s)	60
Number of Records	462
Sensor	PID(ppm)
Sensor SN	S023030089A2
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	100
TWA Alarm	50
Measurement Gas	Isobutylene
Calibration Time	4/1/2020 9:04
Peak	5.5
Min	0
Average	0.4

****
Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	4/8/2020 7:17	0.1	0.1	0.1
2	4/8/2020 7:18	0	0.1	0.1
3	4/8/2020 7:19	0	0.1	0
4	4/8/2020 7:20	0	0	0
5	4/8/2020 7:21	0	0	0

6	4/8/2020 7:22	0	0	0
7	4/8/2020 7:23	0	0	0
8	4/8/2020 7:24	0	0	0
9	4/8/2020 7:25	0	0	0
10	4/8/2020 7:26	0	0	0
11	4/8/2020 7:27	0	0	0
12	4/8/2020 7:28	0	0	0
13	4/8/2020 7:29	0	0	0
14	4/8/2020 7:30	0	0	0
15	4/8/2020 7:31	0	0	0
16	4/8/2020 7:32	0	0	0
17	4/8/2020 7:33	0	0	0
18	4/8/2020 7:34	0	0	0
19	4/8/2020 7:35	0	0	0
20	4/8/2020 7:36	0	0	0
21	4/8/2020 7:37	0	0	0
22	4/8/2020 7:38	0	0	0
23	4/8/2020 7:39	0	0	0
24	4/8/2020 7:40	0	0	0
25	4/8/2020 7:41	0	0	0
26	4/8/2020 7:42	0	0	0
27	4/8/2020 7:43	0	0	0
28	4/8/2020 7:44	0	0	0
29	4/8/2020 7:45	0	0	0
30	4/8/2020 7:46	0	0	0
31	4/8/2020 7:47	0	0	0
32	4/8/2020 7:48	0	0	0
33	4/8/2020 7:49	0	0	0
34	4/8/2020 7:50	0	0	0
35	4/8/2020 7:51	0	0	0
36	4/8/2020 7:52	0	0	0
37	4/8/2020 7:53	0	0	0
38	4/8/2020 7:54	0	0	0
39	4/8/2020 7:55	0	0	0
40	4/8/2020 7:56	0	0	0
41	4/8/2020 7:57	0	0	0
42	4/8/2020 7:58	0	0	0
43	4/8/2020 7:59	0	0	0
44	4/8/2020 8:00	0	0	0
45	4/8/2020 8:01	0	0	0
46	4/8/2020 8:02	0	0	0
47	4/8/2020 8:03	0	0	0
48	4/8/2020 8:04	0	0	0
49	4/8/2020 8:05	0	0	0
50	4/8/2020 8:06	0	0	0
51	4/8/2020 8:07	0	0	0
52	4/8/2020 8:08	0	0.1	0

53	4/8/2020 8:09	0	0.1	0
54	4/8/2020 8:10	0	0.1	0
55	4/8/2020 8:11	0	0.1	0.1
56	4/8/2020 8:12	0.1	0.2	0
57	4/8/2020 8:13	0.1	0.3	0.2
58	4/8/2020 8:14	0.2	0.3	0.2
59	4/8/2020 8:15	0.2	0.3	0.3
60	4/8/2020 8:16	0.3	0.5	0.4
61	4/8/2020 8:17	0.4	0.5	0.3
62	4/8/2020 8:18	0.3	0.5	0.3
63	4/8/2020 8:19	0.4	0.5	0.4
64	4/8/2020 8:20	0.5	0.6	0.5
65	4/8/2020 8:21	0.6	0.7	0.5
66	4/8/2020 8:22	0.6	1	0.5
67	4/8/2020 8:23	1.3	2.2	1.8
68	4/8/2020 8:24	1.8	2.2	1.8
69	4/8/2020 8:25	0.9	1.8	0.8
70	4/8/2020 8:26	0.8	1.7	1.2
71	4/8/2020 8:27	1	1.7	0.6
72	4/8/2020 8:28	0.8	1.5	0.3
73	4/8/2020 8:29	0.6	0.8	0.7
74	4/8/2020 8:30	0.8	0.9	0.8
75	4/8/2020 8:31	0.6	0.9	0.6
76	4/8/2020 8:32	0.8	1.2	1.1
77	4/8/2020 8:33	0.7	1.1	0.8
78	4/8/2020 8:34	0.7	1.2	0.7
79	4/8/2020 8:35	0.6	0.8	0.6
80	4/8/2020 8:36	0.4	1.1	0.3
81	4/8/2020 8:37	0.3	0.7	0.2
82	4/8/2020 8:38	0.4	0.5	0.3
83	4/8/2020 8:39	0.3	0.4	0.2
84	4/8/2020 8:40	0.2	0.3	0.3
85	4/8/2020 8:41	0.2	0.4	0.1
86	4/8/2020 8:42	0	0.1	0
87	4/8/2020 8:43	0.1	0.1	0
88	4/8/2020 8:44	0	0.1	0
89	4/8/2020 8:45	0	0.1	0.1
90	4/8/2020 8:46	0	0.1	0
91	4/8/2020 8:47	0.1	0.2	0.1
92	4/8/2020 8:48	0.1	0.2	0
93	4/8/2020 8:49	0.1	0.1	0.1
94	4/8/2020 8:50	0.1	0.1	0.1
95	4/8/2020 8:51	0.3	0.5	0.5
96	4/8/2020 8:52	0.2	0.6	0.2
97	4/8/2020 8:53	0.3	0.5	0.1
98	4/8/2020 8:54	0.1	0.2	0.2
99	4/8/2020 8:55	0.2	0.3	0

100	4/8/2020 8:56	0.1	0.3	0.2
101	4/8/2020 8:57	0.1	0.2	0
102	4/8/2020 8:58	0.2	0.5	0.5
103	4/8/2020 8:59	0.3	0.5	0.3
104	4/8/2020 9:00	0.2	0.4	0.2
105	4/8/2020 9:01	0.2	0.5	0.4
106	4/8/2020 9:02	0.4	0.7	0.4
107	4/8/2020 9:03	0.2	0.5	0.5
108	4/8/2020 9:04	0.6	1	1
109	4/8/2020 9:05	1.1	1.4	1.4
110	4/8/2020 9:06	1.2	1.4	1.2
111	4/8/2020 9:07	1.5	2.8	2.5
112	4/8/2020 9:08	2.1	2.5	2
113	4/8/2020 9:09	2.2	2.4	2.2
114	4/8/2020 9:10	2.9	3.9	2.8
115	4/8/2020 9:11	5.3	10.9	5.5
116	4/8/2020 9:12	4.4	5.7	3.2
117	4/8/2020 9:13	2.4	3.2	1.8
118	4/8/2020 9:14	2.6	4.3	3.6
119	4/8/2020 9:15	3.6	4.6	2.7
120	4/8/2020 9:16	2.4	3	2.1
121	4/8/2020 9:17	1.8	2.3	1.4
122	4/8/2020 9:18	1.7	2.2	1.5
123	4/8/2020 9:19	1.3	1.6	1.3
124	4/8/2020 9:20	1.3	1.5	1.1
125	4/8/2020 9:21	1.1	1.3	1.2
126	4/8/2020 9:22	1.4	1.6	1.3
127	4/8/2020 9:23	1.6	2.1	1.6
128	4/8/2020 9:24	1.6	2.2	1.5
129	4/8/2020 9:25	1.2	1.6	0.8
130	4/8/2020 9:26	0.7	0.8	0.8
131	4/8/2020 9:27	1	1.4	1.2
132	4/8/2020 9:28	1.4	1.7	1.2
133	4/8/2020 9:29	1.1	1.2	1.1
134	4/8/2020 9:30	0.9	1.1	1
135	4/8/2020 9:31	0.9	1.2	0.7
136	4/8/2020 9:32	0.6	0.7	0.6
137	4/8/2020 9:33	1	1.6	1.5
138	4/8/2020 9:34	1.6	2.3	2.1
139	4/8/2020 9:35	2	2.5	1.9
140	4/8/2020 9:36	1.7	2.2	1.3
141	4/8/2020 9:37	1.1	1.7	0.8
142	4/8/2020 9:38	0.6	0.8	0.6
143	4/8/2020 9:39	0.5	0.6	0.4
144	4/8/2020 9:40	0.6	0.8	0.8
145	4/8/2020 9:41	0.9	1.2	1
146	4/8/2020 9:42	0.8	1	0.8

147	4/8/2020 9:43	0.8	1.1	0.7
148	4/8/2020 9:44	0.7	0.9	0.9
149	4/8/2020 9:45	1	1.3	0.7
150	4/8/2020 9:46	0.6	0.7	0.5
151	4/8/2020 9:47	0.5	0.7	0.5
152	4/8/2020 9:48	0.5	0.6	0.5
153	4/8/2020 9:49	0.4	0.5	0.5
154	4/8/2020 9:50	0.5	0.6	0.4
155	4/8/2020 9:51	0.4	0.4	0.4
156	4/8/2020 9:52	0.3	0.4	0.4
157	4/8/2020 9:53	0.4	0.5	0.4
158	4/8/2020 9:54	0.4	0.4	0.4
159	4/8/2020 9:55	0.2	0.4	0.2
160	4/8/2020 9:56	0.2	0.3	0.2
161	4/8/2020 9:57	0.7	1.6	1.5
162	4/8/2020 9:58	0.7	1.3	0.3
163	4/8/2020 9:59	0.5	0.9	0.9
164	4/8/2020 10:00	0.9	1.4	1.3
165	4/8/2020 10:01	1	1.6	0.7
166	4/8/2020 10:02	0.6	0.9	0.4
167	4/8/2020 10:03	0.4	0.5	0.3
168	4/8/2020 10:04	0.3	0.4	0.4
169	4/8/2020 10:05	0.4	0.5	0.3
170	4/8/2020 10:06	0.3	0.3	0.3
171	4/8/2020 10:07	0.3	0.4	0.4
172	4/8/2020 10:08	0.4	0.7	0.2
173	4/8/2020 10:09	0.1	0.2	0
174	4/8/2020 10:10	0	0.1	0
175	4/8/2020 10:11	0	0	0
176	4/8/2020 10:12	0	0.1	0
177	4/8/2020 10:13	0	0.1	0
178	4/8/2020 10:14	0	0.2	0
179	4/8/2020 10:15	0	0.1	0
180	4/8/2020 10:16	0	0.1	0
181	4/8/2020 10:17	0.1	0.1	0
182	4/8/2020 10:18	0.2	0.3	0
183	4/8/2020 10:19	0	0.1	0
184	4/8/2020 10:20	0.2	0.4	0.3
185	4/8/2020 10:21	0.5	0.6	0.3
186	4/8/2020 10:22	0.1	0.4	0
187	4/8/2020 10:23	0.1	0.2	0.1
188	4/8/2020 10:24	0	0.1	0.1
189	4/8/2020 10:25	0	0.1	0
190	4/8/2020 10:26	0	0	0
191	4/8/2020 10:27	0	0.1	0
192	4/8/2020 10:28	0	0	0
193	4/8/2020 10:29	0	0.1	0

194	4/8/2020 10:30	0	0.1	0.1
195	4/8/2020 10:31	0	0	0
196	4/8/2020 10:32	0	0	0
197	4/8/2020 10:33	0	0	0
198	4/8/2020 10:34	0	0	0
199	4/8/2020 10:35	0	0	0
200	4/8/2020 10:36	0	0.3	0.3
201	4/8/2020 10:37	0.7	1.1	1.1
202	4/8/2020 10:38	1.2	1.5	1.2
203	4/8/2020 10:39	0.9	1.3	0.5
204	4/8/2020 10:40	0.5	0.7	0.4
205	4/8/2020 10:41	0.4	0.6	0.3
206	4/8/2020 10:42	0.2	0.4	0.3
207	4/8/2020 10:43	0.2	0.4	0.2
208	4/8/2020 10:44	0.1	0.4	0.3
209	4/8/2020 10:45	0.7	1.7	1.2
210	4/8/2020 10:46	0.7	1.4	0.5
211	4/8/2020 10:47	0.3	0.5	0.4
212	4/8/2020 10:48	0.3	0.4	0.2
213	4/8/2020 10:49	0.2	0.4	0.1
214	4/8/2020 10:50	0.1	0.2	0.2
215	4/8/2020 10:51	0.3	0.5	0.2
216	4/8/2020 10:52	0.1	0.2	0.1
217	4/8/2020 10:53	0.2	0.4	0.2
218	4/8/2020 10:54	0.3	0.4	0.3
219	4/8/2020 10:55	0.4	0.5	0.4
220	4/8/2020 10:56	0.6	0.9	0.6
221	4/8/2020 10:57	0.6	0.8	0.5
222	4/8/2020 10:58	0.8	1.5	0.6
223	4/8/2020 10:59	0.6	0.7	0.6
224	4/8/2020 11:00	0.5	0.6	0.4
225	4/8/2020 11:01	0.5	0.8	0.7
226	4/8/2020 11:02	0.5	0.7	0.5
227	4/8/2020 11:03	0.4	0.6	0.2
228	4/8/2020 11:04	0.3	0.5	0.4
229	4/8/2020 11:05	0.4	0.5	0.4
230	4/8/2020 11:06	0.5	0.6	0.6
231	4/8/2020 11:07	0.7	0.8	0.8
232	4/8/2020 11:08	1.1	1.6	1.3
233	4/8/2020 11:09	1.9	3.7	2.7
234	4/8/2020 11:10	2.5	3	1.7
235	4/8/2020 11:11	1.2	1.7	1.5
236	4/8/2020 11:12	2.2	4.7	1.4
237	4/8/2020 11:13	1.4	2.1	0.7
238	4/8/2020 11:14	1	1.4	1.3
239	4/8/2020 11:15	2	3.7	2.1
240	4/8/2020 11:16	1.4	1.9	1.2

241	4/8/2020 11:17	1.7	3	2.4
242	4/8/2020 11:18	1.3	2.3	1.1
243	4/8/2020 11:19	1	1.4	0.8
244	4/8/2020 11:20	0.8	1	0.7
245	4/8/2020 11:21	0.7	0.9	0.7
246	4/8/2020 11:22	0.6	1	0.5
247	4/8/2020 11:23	0.4	0.6	0.5
248	4/8/2020 11:24	0.4	0.8	0.3
249	4/8/2020 11:25	0.5	0.7	0.4
250	4/8/2020 11:26	0.5	0.7	0.3
251	4/8/2020 11:27	0.4	0.5	0.3
252	4/8/2020 11:28	0.4	0.7	0.4
253	4/8/2020 11:29	0.5	0.8	0.8
254	4/8/2020 11:30	0.7	0.8	0.7
255	4/8/2020 11:31	0.8	1.2	1.2
256	4/8/2020 11:32	1	1.4	0.6
257	4/8/2020 11:33	0.5	0.7	0.6
258	4/8/2020 11:34	0.6	1	0.6
259	4/8/2020 11:35	0.5	0.7	0.3
260	4/8/2020 11:36	0.5	1.4	1.3
261	4/8/2020 11:37	0.7	1.3	0.8
262	4/8/2020 11:38	0.9	1.3	0.8
263	4/8/2020 11:39	0.7	0.9	0.3
264	4/8/2020 11:40	0.3	0.4	0.3
265	4/8/2020 11:41	0.6	0.7	0.6
266	4/8/2020 11:42	0.7	0.9	0.3
267	4/8/2020 11:43	0.7	0.9	0.9
268	4/8/2020 11:44	0.8	1	0.7
269	4/8/2020 11:45	0.5	0.7	0.6
270	4/8/2020 11:46	0.6	0.7	0.7
271	4/8/2020 11:47	0.4	0.7	0.6
272	4/8/2020 11:48	0.3	0.7	0.1
273	4/8/2020 11:49	0.4	0.6	0.4
274	4/8/2020 11:50	0.3	0.5	0.1
275	4/8/2020 11:51	0.1	0.2	0
276	4/8/2020 11:52	0	0.1	0
277	4/8/2020 11:53	0	0.1	0
278	4/8/2020 11:54	0	0.2	0.2
279	4/8/2020 11:55	0.1	0.2	0
280	4/8/2020 11:56	0	0	0
281	4/8/2020 11:57	0	0.1	0
282	4/8/2020 11:58	0	0	0
283	4/8/2020 11:59	0	0	0
284	4/8/2020 12:00	0	0	0
285	4/8/2020 12:01	0	0	0
286	4/8/2020 12:02	0	0	0
287	4/8/2020 12:03	0	0	0

288	4/8/2020 12:04	0	0.1	0
289	4/8/2020 12:05	0	0.1	0.1
290	4/8/2020 12:06	0.1	0.3	0.2
291	4/8/2020 12:07	0.1	0.2	0
292	4/8/2020 12:08	0	0.1	0.1
293	4/8/2020 12:09	0.1	0.3	0
294	4/8/2020 12:10	0	0.1	0.1
295	4/8/2020 12:11	0	0.1	0
296	4/8/2020 12:12	0.1	0.2	0.2
297	4/8/2020 12:13	0.1	0.2	0
298	4/8/2020 12:14	0.3	0.6	0.6
299	4/8/2020 12:15	0.4	0.6	0.1
300	4/8/2020 12:16	0.1	0.3	0.1
301	4/8/2020 12:17	0.3	0.4	0.2
302	4/8/2020 12:18	0.1	0.2	0.2
303	4/8/2020 12:19	0.2	0.3	0.1
304	4/8/2020 12:20	0.1	0.1	0.1
305	4/8/2020 12:21	0.1	0.3	0.3
306	4/8/2020 12:22	0.4	0.5	0.2
307	4/8/2020 12:23	0.2	0.3	0.2
308	4/8/2020 12:24	0.1	0.2	0.1
309	4/8/2020 12:25	0.2	0.2	0.1
310	4/8/2020 12:26	0.1	0.1	0.1
311	4/8/2020 12:27	0.1	0.1	0.1
312	4/8/2020 12:28	0.1	0.2	0.2
313	4/8/2020 12:29	0.1	0.3	0.1
314	4/8/2020 12:30	0.1	0.2	0
315	4/8/2020 12:31	0.1	0.2	0.1
316	4/8/2020 12:32	0.1	0.2	0
317	4/8/2020 12:33	0	0.1	0
318	4/8/2020 12:34	0	0.1	0
319	4/8/2020 12:35	0.1	0.3	0.2
320	4/8/2020 12:36	0.2	0.3	0.1
321	4/8/2020 12:37	0.2	0.5	0.3
322	4/8/2020 12:38	0.2	0.4	0.2
323	4/8/2020 12:39	0.1	0.3	0.1
324	4/8/2020 12:40	0.2	0.4	0.3
325	4/8/2020 12:41	0.2	0.3	0
326	4/8/2020 12:42	0	0.2	0.2
327	4/8/2020 12:43	0.2	0.3	0.2
328	4/8/2020 12:44	0.4	0.6	0.4
329	4/8/2020 12:45	0.2	0.4	0
330	4/8/2020 12:46	0.1	0.2	0.1
331	4/8/2020 12:47	0.1	0.2	0
332	4/8/2020 12:48	0	0.1	0.1
333	4/8/2020 12:49	0.2	0.4	0.2
334	4/8/2020 12:50	0.2	0.3	0.2

335	4/8/2020 12:51	0.3	0.3	0.3
336	4/8/2020 12:52	0.3	0.4	0.3
337	4/8/2020 12:53	0.2	0.3	0
338	4/8/2020 12:54	0	0.1	0
339	4/8/2020 12:55	0	0.1	0
340	4/8/2020 12:56	0	0	0
341	4/8/2020 12:57	0	0.1	0
342	4/8/2020 12:58	0	0	0
343	4/8/2020 12:59	0	0	0
344	4/8/2020 13:00	0	0	0
345	4/8/2020 13:01	0	0.1	0
346	4/8/2020 13:02	0	0	0
347	4/8/2020 13:03	0	0.1	0
348	4/8/2020 13:04	0	0	0
349	4/8/2020 13:05	0	0.1	0
350	4/8/2020 13:06	0	0.1	0
351	4/8/2020 13:07	0	0	0
352	4/8/2020 13:08	0	0	0
353	4/8/2020 13:09	0	0.2	0
354	4/8/2020 13:10	0	0.1	0
355	4/8/2020 13:11	0.1	0.2	0.2
356	4/8/2020 13:12	0.2	0.3	0
357	4/8/2020 13:13	0.1	0.3	0.3
358	4/8/2020 13:14	0.2	0.4	0
359	4/8/2020 13:15	0.1	0.3	0.3
360	4/8/2020 13:16	0.2	0.3	0.2
361	4/8/2020 13:17	0.1	0.2	0.1
362	4/8/2020 13:18	0.1	0.3	0
363	4/8/2020 13:19	0	0	0
364	4/8/2020 13:20	0	0.1	0
365	4/8/2020 13:21	0	0	0
366	4/8/2020 13:22	0	0	0
367	4/8/2020 13:23	0	0	0
368	4/8/2020 13:24	0.1	0.3	0.2
369	4/8/2020 13:25	0.2	0.6	0.4
370	4/8/2020 13:26	0.3	0.4	0.3
371	4/8/2020 13:27	0.1	0.3	0.1
372	4/8/2020 13:28	0.2	0.4	0.2
373	4/8/2020 13:29	0.1	0.2	0.1
374	4/8/2020 13:30	0.2	0.5	0.3
375	4/8/2020 13:31	0.3	0.4	0.1
376	4/8/2020 13:32	0.2	0.3	0.3
377	4/8/2020 13:33	0.3	0.4	0.2
378	4/8/2020 13:34	0.2	0.4	0.4
379	4/8/2020 13:35	0.4	0.6	0.5
380	4/8/2020 13:36	0.4	0.5	0.3
381	4/8/2020 13:37	0.3	0.5	0.5

382	4/8/2020 13:38	0.4	0.5	0.5
383	4/8/2020 13:39	0.3	0.5	0.2
384	4/8/2020 13:40	0.2	0.3	0.2
385	4/8/2020 13:41	0.2	0.3	0.3
386	4/8/2020 13:42	0.2	0.3	0.2
387	4/8/2020 13:43	0.2	0.3	0.2
388	4/8/2020 13:44	0.2	0.2	0.2
389	4/8/2020 13:45	0.3	0.6	0.6
390	4/8/2020 13:46	0.3	0.6	0.2
391	4/8/2020 13:47	0.5	0.7	0.7
392	4/8/2020 13:48	0.4	0.7	0.3
393	4/8/2020 13:49	0.4	0.7	0.5
394	4/8/2020 13:50	0.5	0.6	0.6
395	4/8/2020 13:51	0.5	0.6	0.4
396	4/8/2020 13:52	0.2	0.5	0.3
397	4/8/2020 13:53	0.3	0.6	0.6
398	4/8/2020 13:54	0.5	0.7	0.4
399	4/8/2020 13:55	0.5	0.6	0.6
400	4/8/2020 13:56	0.5	0.7	0.5
401	4/8/2020 13:57	0.2	0.5	0.4
402	4/8/2020 13:58	0.3	0.4	0.3
403	4/8/2020 13:59	0.2	0.3	0.2
404	4/8/2020 14:00	0.2	0.3	0.1
405	4/8/2020 14:01	0.2	0.4	0.2
406	4/8/2020 14:02	0.1	0.3	0.1
407	4/8/2020 14:03	0.1	0.2	0.1
408	4/8/2020 14:04	0.1	0.3	0.1
409	4/8/2020 14:05	0.2	0.5	0.5
410	4/8/2020 14:06	0.2	0.5	0.3
411	4/8/2020 14:07	0.3	0.5	0.4
412	4/8/2020 14:08	0.4	0.5	0.4
413	4/8/2020 14:09	0.5	0.8	0.7
414	4/8/2020 14:10	0.5	0.6	0.3
415	4/8/2020 14:11	0.2	0.4	0.2
416	4/8/2020 14:12	0.2	0.3	0.3
417	4/8/2020 14:13	0.1	0.3	0.1
418	4/8/2020 14:14	0.2	0.3	0.3
419	4/8/2020 14:15	0.2	0.4	0.3
420	4/8/2020 14:16	0.2	0.4	0.1
421	4/8/2020 14:17	0.1	0.2	0.1
422	4/8/2020 14:18	0.1	0.2	0
423	4/8/2020 14:19	0.1	0.2	0.2
424	4/8/2020 14:20	0.2	0.2	0.1
425	4/8/2020 14:21	0.2	0.3	0.3
426	4/8/2020 14:22	0.1	0.2	0.1
427	4/8/2020 14:23	0.2	0.3	0.3
428	4/8/2020 14:24	0.2	0.3	0.2

	429	4/8/2020 14:25	0.1	0.2	0.1
	430	4/8/2020 14:26	0.1	0.2	0.1
	431	4/8/2020 14:27	0.1	0.2	0.1
	432	4/8/2020 14:28	0.2	0.5	0.4
	433	4/8/2020 14:29	0.3	0.5	0.2
	434	4/8/2020 14:30	0.2	0.3	0.2
	435	4/8/2020 14:31	0.1	0.3	0
	436	4/8/2020 14:32	0.1	0.4	0.4
	437	4/8/2020 14:33	0.3	0.4	0.4
	438	4/8/2020 14:34	0.3	0.5	0.4
	439	4/8/2020 14:35	0.4	0.5	0.4
	440	4/8/2020 14:36	0.4	0.5	0.4
	441	4/8/2020 14:37	0.4	0.4	0.4
	442	4/8/2020 14:38	0.5	0.6	0.2
	443	4/8/2020 14:39	0.3	0.5	0.3
	444	4/8/2020 14:40	0.4	0.6	0.2
	445	4/8/2020 14:41	0.3	0.5	0.3
	446	4/8/2020 14:42	0.3	0.4	0.4
	447	4/8/2020 14:43	0.3	0.5	0.2
	448	4/8/2020 14:44	0.4	0.5	0.5
	449	4/8/2020 14:45	0.4	0.5	0.3
	450	4/8/2020 14:46	0.5	0.7	0.5
	451	4/8/2020 14:47	0.4	0.5	0.4
	452	4/8/2020 14:48	0.5	0.6	0.5
	453	4/8/2020 14:49	0.4	0.5	0.4
	454	4/8/2020 14:50	0.7	0.8	0.6
	455	4/8/2020 14:51	0.5	0.7	0.5
	456	4/8/2020 14:52	0.4	0.5	0.4
	457	4/8/2020 14:53	0.5	0.6	0.6
	458	4/8/2020 14:54	0.6	0.7	0.7
	459	4/8/2020 14:55	0.5	0.8	0.5
	460	4/8/2020 14:56	0.5	0.8	0.6
	461	4/8/2020 14:57	0.6	0.7	0.6
	462	4/8/2020 14:58	0.5	0.7	0.3
Peak			5.3	10.9	5.5
Min			0	0	0
Average			0.4	0.6	0.4

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	4/8/2020 7:17	0	---
2	4/8/2020 7:18	0	---
3	4/8/2020 7:19	0	---
4	4/8/2020 7:20	0	---
5	4/8/2020 7:21	0	---

6	4/8/2020 7:22	0	---
7	4/8/2020 7:23	0	---
8	4/8/2020 7:24	0	---
9	4/8/2020 7:25	0	---
10	4/8/2020 7:26	0	---
11	4/8/2020 7:27	0	---
12	4/8/2020 7:28	0	---
13	4/8/2020 7:29	0	---
14	4/8/2020 7:30	0	---
15	4/8/2020 7:31	0	0
16	4/8/2020 7:32	0	0
17	4/8/2020 7:33	0	0
18	4/8/2020 7:34	0	0
19	4/8/2020 7:35	0	0
20	4/8/2020 7:36	0	0
21	4/8/2020 7:37	0	0
22	4/8/2020 7:38	0	0
23	4/8/2020 7:39	0	0
24	4/8/2020 7:40	0	0
25	4/8/2020 7:41	0	0
26	4/8/2020 7:42	0	0
27	4/8/2020 7:43	0	0
28	4/8/2020 7:44	0	0
29	4/8/2020 7:45	0	0
30	4/8/2020 7:46	0	0
31	4/8/2020 7:47	0	0
32	4/8/2020 7:48	0	0
33	4/8/2020 7:49	0	0
34	4/8/2020 7:50	0	0
35	4/8/2020 7:51	0	0
36	4/8/2020 7:52	0	0
37	4/8/2020 7:53	0	0
38	4/8/2020 7:54	0	0
39	4/8/2020 7:55	0	0
40	4/8/2020 7:56	0	0
41	4/8/2020 7:57	0	0
42	4/8/2020 7:58	0	0
43	4/8/2020 7:59	0	0
44	4/8/2020 8:00	0	0
45	4/8/2020 8:01	0	0
46	4/8/2020 8:02	0	0
47	4/8/2020 8:03	0	0
48	4/8/2020 8:04	0	0
49	4/8/2020 8:05	0	0
50	4/8/2020 8:06	0	0
51	4/8/2020 8:07	0	0
52	4/8/2020 8:08	0	0

53	4/8/2020 8:09	0	0
54	4/8/2020 8:10	0	0
55	4/8/2020 8:11	0	0
56	4/8/2020 8:12	0	0
57	4/8/2020 8:13	0	0
58	4/8/2020 8:14	0	0
59	4/8/2020 8:15	0	0.1
60	4/8/2020 8:16	0	0.1
61	4/8/2020 8:17	0	0.1
62	4/8/2020 8:18	0	0.1
63	4/8/2020 8:19	0	0.1
64	4/8/2020 8:20	0	0.2
65	4/8/2020 8:21	0	0.2
66	4/8/2020 8:22	0	0.2
67	4/8/2020 8:23	0	0.4
68	4/8/2020 8:24	0	0.5
69	4/8/2020 8:25	0	0.5
70	4/8/2020 8:26	0	0.6
71	4/8/2020 8:27	0	0.7
72	4/8/2020 8:28	0	0.7
73	4/8/2020 8:29	0	0.7
74	4/8/2020 8:30	0	0.7
75	4/8/2020 8:31	0	0.8
76	4/8/2020 8:32	0	0.8
77	4/8/2020 8:33	0	0.8
78	4/8/2020 8:34	0	0.9
79	4/8/2020 8:35	0	0.9
80	4/8/2020 8:36	0	0.9
81	4/8/2020 8:37	0	0.9
82	4/8/2020 8:38	0	0.8
83	4/8/2020 8:39	0	0.7
84	4/8/2020 8:40	0	0.6
85	4/8/2020 8:41	0	0.6
86	4/8/2020 8:42	0	0.5
87	4/8/2020 8:43	0	0.5
88	4/8/2020 8:44	0	0.4
89	4/8/2020 8:45	0	0.4
90	4/8/2020 8:46	0	0.4
91	4/8/2020 8:47	0	0.3
92	4/8/2020 8:48	0	0.2
93	4/8/2020 8:49	0	0.2
94	4/8/2020 8:50	0	0.2
95	4/8/2020 8:51	0	0.2
96	4/8/2020 8:52	0	0.1
97	4/8/2020 8:53	0	0.1
98	4/8/2020 8:54	0	0.1
99	4/8/2020 8:55	0	0.1

100	4/8/2020 8:56	0	0.1
101	4/8/2020 8:57	0	0.1
102	4/8/2020 8:58	0	0.1
103	4/8/2020 8:59	0	0.2
104	4/8/2020 9:00	0	0.2
105	4/8/2020 9:01	0	0.2
106	4/8/2020 9:02	0	0.2
107	4/8/2020 9:03	0	0.2
108	4/8/2020 9:04	0	0.3
109	4/8/2020 9:05	0	0.4
110	4/8/2020 9:06	0.1	0.5
111	4/8/2020 9:07	0.1	0.6
112	4/8/2020 9:08	0.1	0.7
113	4/8/2020 9:09	0.1	0.9
114	4/8/2020 9:10	0.1	1
115	4/8/2020 9:11	0.1	1.4
116	4/8/2020 9:12	0.1	1.6
117	4/8/2020 9:13	0.1	1.7
118	4/8/2020 9:14	0.1	1.9
119	4/8/2020 9:15	0.1	2.1
120	4/8/2020 9:16	0.1	2.2
121	4/8/2020 9:17	0.1	2.3
122	4/8/2020 9:18	0.1	2.4
123	4/8/2020 9:19	0.1	2.4
124	4/8/2020 9:20	0.1	2.4
125	4/8/2020 9:21	0.1	2.4
126	4/8/2020 9:22	0.1	2.4
127	4/8/2020 9:23	0.1	2.4
128	4/8/2020 9:24	0.1	2.3
129	4/8/2020 9:25	0.1	2.2
130	4/8/2020 9:26	0.1	2.1
131	4/8/2020 9:27	0.1	1.8
132	4/8/2020 9:28	0.1	1.7
133	4/8/2020 9:29	0.1	1.6
134	4/8/2020 9:30	0.1	1.5
135	4/8/2020 9:31	0.1	1.3
136	4/8/2020 9:32	0.1	1.2
137	4/8/2020 9:33	0.2	1.2
138	4/8/2020 9:34	0.2	1.3
139	4/8/2020 9:35	0.2	1.3
140	4/8/2020 9:36	0.2	1.3
141	4/8/2020 9:37	0.2	1.3
142	4/8/2020 9:38	0.2	1.2
143	4/8/2020 9:39	0.2	1.2
144	4/8/2020 9:40	0.2	1.1
145	4/8/2020 9:41	0.2	1.1
146	4/8/2020 9:42	0.2	1.1

147	4/8/2020 9:43	0.2	1.1
148	4/8/2020 9:44	0.2	1.1
149	4/8/2020 9:45	0.2	1.1
150	4/8/2020 9:46	0.2	1
151	4/8/2020 9:47	0.2	1
152	4/8/2020 9:48	0.2	1
153	4/8/2020 9:49	0.2	0.9
154	4/8/2020 9:50	0.2	0.8
155	4/8/2020 9:51	0.2	0.7
156	4/8/2020 9:52	0.2	0.7
157	4/8/2020 9:53	0.2	0.6
158	4/8/2020 9:54	0.2	0.6
159	4/8/2020 9:55	0.2	0.6
160	4/8/2020 9:56	0.2	0.6
161	4/8/2020 9:57	0.2	0.6
162	4/8/2020 9:58	0.2	0.6
163	4/8/2020 9:59	0.2	0.6
164	4/8/2020 10:00	0.2	0.6
165	4/8/2020 10:01	0.2	0.6
166	4/8/2020 10:02	0.2	0.6
167	4/8/2020 10:03	0.2	0.6
168	4/8/2020 10:04	0.2	0.6
169	4/8/2020 10:05	0.2	0.6
170	4/8/2020 10:06	0.2	0.6
171	4/8/2020 10:07	0.2	0.6
172	4/8/2020 10:08	0.2	0.5
173	4/8/2020 10:09	0.2	0.5
174	4/8/2020 10:10	0.2	0.5
175	4/8/2020 10:11	0.2	0.5
176	4/8/2020 10:12	0.2	0.5
177	4/8/2020 10:13	0.2	0.4
178	4/8/2020 10:14	0.2	0.3
179	4/8/2020 10:15	0.2	0.3
180	4/8/2020 10:16	0.2	0.2
181	4/8/2020 10:17	0.2	0.2
182	4/8/2020 10:18	0.2	0.1
183	4/8/2020 10:19	0.2	0.1
184	4/8/2020 10:20	0.2	0.1
185	4/8/2020 10:21	0.2	0.1
186	4/8/2020 10:22	0.2	0.1
187	4/8/2020 10:23	0.2	0.1
188	4/8/2020 10:24	0.2	0.1
189	4/8/2020 10:25	0.2	0.1
190	4/8/2020 10:26	0.2	0.1
191	4/8/2020 10:27	0.2	0.1
192	4/8/2020 10:28	0.2	0.1
193	4/8/2020 10:29	0.2	0.1

194	4/8/2020 10:30	0.2	0.1
195	4/8/2020 10:31	0.2	0.1
196	4/8/2020 10:32	0.2	0.1
197	4/8/2020 10:33	0.2	0.1
198	4/8/2020 10:34	0.2	0.1
199	4/8/2020 10:35	0.2	0.1
200	4/8/2020 10:36	0.2	0.1
201	4/8/2020 10:37	0.2	0.1
202	4/8/2020 10:38	0.2	0.2
203	4/8/2020 10:39	0.2	0.2
204	4/8/2020 10:40	0.2	0.2
205	4/8/2020 10:41	0.2	0.3
206	4/8/2020 10:42	0.2	0.3
207	4/8/2020 10:43	0.2	0.3
208	4/8/2020 10:44	0.2	0.3
209	4/8/2020 10:45	0.2	0.4
210	4/8/2020 10:46	0.2	0.4
211	4/8/2020 10:47	0.2	0.4
212	4/8/2020 10:48	0.2	0.5
213	4/8/2020 10:49	0.2	0.5
214	4/8/2020 10:50	0.2	0.5
215	4/8/2020 10:51	0.2	0.5
216	4/8/2020 10:52	0.2	0.5
217	4/8/2020 10:53	0.2	0.4
218	4/8/2020 10:54	0.2	0.4
219	4/8/2020 10:55	0.2	0.4
220	4/8/2020 10:56	0.2	0.4
221	4/8/2020 10:57	0.2	0.4
222	4/8/2020 10:58	0.2	0.4
223	4/8/2020 10:59	0.2	0.4
224	4/8/2020 11:00	0.2	0.4
225	4/8/2020 11:01	0.2	0.4
226	4/8/2020 11:02	0.2	0.4
227	4/8/2020 11:03	0.2	0.4
228	4/8/2020 11:04	0.2	0.4
229	4/8/2020 11:05	0.2	0.4
230	4/8/2020 11:06	0.2	0.4
231	4/8/2020 11:07	0.2	0.5
232	4/8/2020 11:08	0.2	0.6
233	4/8/2020 11:09	0.2	0.7
234	4/8/2020 11:10	0.2	0.8
235	4/8/2020 11:11	0.2	0.9
236	4/8/2020 11:12	0.3	1
237	4/8/2020 11:13	0.3	1
238	4/8/2020 11:14	0.3	1
239	4/8/2020 11:15	0.3	1.1
240	4/8/2020 11:16	0.3	1.2

241	4/8/2020 11:17	0.3	1.3
242	4/8/2020 11:18	0.3	1.3
243	4/8/2020 11:19	0.3	1.4
244	4/8/2020 11:20	0.3	1.4
245	4/8/2020 11:21	0.3	1.4
246	4/8/2020 11:22	0.3	1.4
247	4/8/2020 11:23	0.3	1.4
248	4/8/2020 11:24	0.3	1.3
249	4/8/2020 11:25	0.3	1.2
250	4/8/2020 11:26	0.3	1.1
251	4/8/2020 11:27	0.3	1
252	4/8/2020 11:28	0.3	0.9
253	4/8/2020 11:29	0.3	0.9
254	4/8/2020 11:30	0.3	0.9
255	4/8/2020 11:31	0.3	0.8
256	4/8/2020 11:32	0.3	0.8
257	4/8/2020 11:33	0.3	0.7
258	4/8/2020 11:34	0.3	0.6
259	4/8/2020 11:35	0.3	0.6
260	4/8/2020 11:36	0.3	0.6
261	4/8/2020 11:37	0.3	0.6
262	4/8/2020 11:38	0.3	0.7
263	4/8/2020 11:39	0.3	0.6
264	4/8/2020 11:40	0.3	0.6
265	4/8/2020 11:41	0.3	0.7
266	4/8/2020 11:42	0.3	0.7
267	4/8/2020 11:43	0.3	0.7
268	4/8/2020 11:44	0.3	0.7
269	4/8/2020 11:45	0.3	0.7
270	4/8/2020 11:46	0.3	0.7
271	4/8/2020 11:47	0.3	0.7
272	4/8/2020 11:48	0.3	0.6
273	4/8/2020 11:49	0.3	0.6
274	4/8/2020 11:50	0.3	0.6
275	4/8/2020 11:51	0.3	0.6
276	4/8/2020 11:52	0.3	0.5
277	4/8/2020 11:53	0.3	0.4
278	4/8/2020 11:54	0.3	0.4
279	4/8/2020 11:55	0.3	0.4
280	4/8/2020 11:56	0.3	0.3
281	4/8/2020 11:57	0.3	0.3
282	4/8/2020 11:58	0.3	0.3
283	4/8/2020 11:59	0.3	0.2
284	4/8/2020 12:00	0.3	0.2
285	4/8/2020 12:01	0.3	0.1
286	4/8/2020 12:02	0.3	0.1
287	4/8/2020 12:03	0.3	0.1

288	4/8/2020 12:04	0.3	0
289	4/8/2020 12:05	0.3	0
290	4/8/2020 12:06	0.3	0
291	4/8/2020 12:07	0.3	0
292	4/8/2020 12:08	0.3	0
293	4/8/2020 12:09	0.3	0
294	4/8/2020 12:10	0.3	0
295	4/8/2020 12:11	0.3	0
296	4/8/2020 12:12	0.3	0
297	4/8/2020 12:13	0.3	0
298	4/8/2020 12:14	0.3	0.1
299	4/8/2020 12:15	0.3	0.1
300	4/8/2020 12:16	0.3	0.1
301	4/8/2020 12:17	0.3	0.1
302	4/8/2020 12:18	0.3	0.1
303	4/8/2020 12:19	0.3	0.1
304	4/8/2020 12:20	0.3	0.1
305	4/8/2020 12:21	0.3	0.2
306	4/8/2020 12:22	0.3	0.2
307	4/8/2020 12:23	0.3	0.2
308	4/8/2020 12:24	0.3	0.2
309	4/8/2020 12:25	0.3	0.2
310	4/8/2020 12:26	0.3	0.2
311	4/8/2020 12:27	0.3	0.2
312	4/8/2020 12:28	0.3	0.2
313	4/8/2020 12:29	0.3	0.2
314	4/8/2020 12:30	0.3	0.1
315	4/8/2020 12:31	0.3	0.1
316	4/8/2020 12:32	0.3	0.1
317	4/8/2020 12:33	0.3	0.1
318	4/8/2020 12:34	0.3	0.1
319	4/8/2020 12:35	0.3	0.1
320	4/8/2020 12:36	0.3	0.1
321	4/8/2020 12:37	0.3	0.1
322	4/8/2020 12:38	0.3	0.1
323	4/8/2020 12:39	0.3	0.1
324	4/8/2020 12:40	0.3	0.1
325	4/8/2020 12:41	0.3	0.1
326	4/8/2020 12:42	0.3	0.1
327	4/8/2020 12:43	0.3	0.1
328	4/8/2020 12:44	0.3	0.1
329	4/8/2020 12:45	0.3	0.1
330	4/8/2020 12:46	0.3	0.1
331	4/8/2020 12:47	0.3	0.1
332	4/8/2020 12:48	0.3	0.1
333	4/8/2020 12:49	0.3	0.2
334	4/8/2020 12:50	0.3	0.2

335	4/8/2020 12:51	0.3	0.2
336	4/8/2020 12:52	0.3	0.2
337	4/8/2020 12:53	0.3	0.2
338	4/8/2020 12:54	0.3	0.2
339	4/8/2020 12:55	0.3	0.2
340	4/8/2020 12:56	0.3	0.1
341	4/8/2020 12:57	0.3	0.1
342	4/8/2020 12:58	0.3	0.1
343	4/8/2020 12:59	0.3	0.1
344	4/8/2020 13:00	0.3	0.1
345	4/8/2020 13:01	0.3	0.1
346	4/8/2020 13:02	0.3	0.1
347	4/8/2020 13:03	0.3	0.1
348	4/8/2020 13:04	0.3	0.1
349	4/8/2020 13:05	0.3	0.1
350	4/8/2020 13:06	0.3	0
351	4/8/2020 13:07	0.3	0
352	4/8/2020 13:08	0.3	0
353	4/8/2020 13:09	0.3	0
354	4/8/2020 13:10	0.3	0
355	4/8/2020 13:11	0.3	0
356	4/8/2020 13:12	0.3	0
357	4/8/2020 13:13	0.3	0
358	4/8/2020 13:14	0.3	0
359	4/8/2020 13:15	0.3	0.1
360	4/8/2020 13:16	0.3	0.1
361	4/8/2020 13:17	0.3	0.1
362	4/8/2020 13:18	0.3	0.1
363	4/8/2020 13:19	0.3	0.1
364	4/8/2020 13:20	0.3	0.1
365	4/8/2020 13:21	0.3	0.1
366	4/8/2020 13:22	0.3	0.1
367	4/8/2020 13:23	0.3	0.1
368	4/8/2020 13:24	0.3	0.1
369	4/8/2020 13:25	0.3	0.1
370	4/8/2020 13:26	0.3	0.1
371	4/8/2020 13:27	0.3	0.1
372	4/8/2020 13:28	0.3	0.1
373	4/8/2020 13:29	0.3	0.1
374	4/8/2020 13:30	0.3	0.1
375	4/8/2020 13:31	0.3	0.1
376	4/8/2020 13:32	0.3	0.1
377	4/8/2020 13:33	0.3	0.1
378	4/8/2020 13:34	0.3	0.2
379	4/8/2020 13:35	0.3	0.2
380	4/8/2020 13:36	0.3	0.2
381	4/8/2020 13:37	0.3	0.3

382	4/8/2020 13:38	0.3	0.3
383	4/8/2020 13:39	0.3	0.3
384	4/8/2020 13:40	0.3	0.3
385	4/8/2020 13:41	0.3	0.3
386	4/8/2020 13:42	0.3	0.3
387	4/8/2020 13:43	0.3	0.3
388	4/8/2020 13:44	0.3	0.3
389	4/8/2020 13:45	0.3	0.3
390	4/8/2020 13:46	0.3	0.3
391	4/8/2020 13:47	0.3	0.4
392	4/8/2020 13:48	0.3	0.4
393	4/8/2020 13:49	0.3	0.4
394	4/8/2020 13:50	0.3	0.4
395	4/8/2020 13:51	0.3	0.4
396	4/8/2020 13:52	0.3	0.4
397	4/8/2020 13:53	0.3	0.4
398	4/8/2020 13:54	0.3	0.4
399	4/8/2020 13:55	0.3	0.4
400	4/8/2020 13:56	0.3	0.4
401	4/8/2020 13:57	0.3	0.4
402	4/8/2020 13:58	0.3	0.5
403	4/8/2020 13:59	0.3	0.5
404	4/8/2020 14:00	0.3	0.4
405	4/8/2020 14:01	0.4	0.4
406	4/8/2020 14:02	0.4	0.4
407	4/8/2020 14:03	0.4	0.4
408	4/8/2020 14:04	0.4	0.4
409	4/8/2020 14:05	0.4	0.4
410	4/8/2020 14:06	0.4	0.3
411	4/8/2020 14:07	0.4	0.3
412	4/8/2020 14:08	0.4	0.3
413	4/8/2020 14:09	0.4	0.4
414	4/8/2020 14:10	0.4	0.3
415	4/8/2020 14:11	0.4	0.3
416	4/8/2020 14:12	0.4	0.3
417	4/8/2020 14:13	0.4	0.3
418	4/8/2020 14:14	0.4	0.3
419	4/8/2020 14:15	0.4	0.3
420	4/8/2020 14:16	0.4	0.3
421	4/8/2020 14:17	0.4	0.3
422	4/8/2020 14:18	0.4	0.3
423	4/8/2020 14:19	0.4	0.3
424	4/8/2020 14:20	0.4	0.3
425	4/8/2020 14:21	0.4	0.3
426	4/8/2020 14:22	0.4	0.3
427	4/8/2020 14:23	0.4	0.3
428	4/8/2020 14:24	0.4	0.2

429	4/8/2020 14:25	0.4	0.2
430	4/8/2020 14:26	0.4	0.2
431	4/8/2020 14:27	0.4	0.2
432	4/8/2020 14:28	0.4	0.2
433	4/8/2020 14:29	0.4	0.2
434	4/8/2020 14:30	0.4	0.2
435	4/8/2020 14:31	0.4	0.2
436	4/8/2020 14:32	0.4	0.2
437	4/8/2020 14:33	0.4	0.2
438	4/8/2020 14:34	0.4	0.2
439	4/8/2020 14:35	0.4	0.2
440	4/8/2020 14:36	0.4	0.3
441	4/8/2020 14:37	0.4	0.3
442	4/8/2020 14:38	0.4	0.3
443	4/8/2020 14:39	0.4	0.3
444	4/8/2020 14:40	0.4	0.3
445	4/8/2020 14:41	0.4	0.3
446	4/8/2020 14:42	0.4	0.3
447	4/8/2020 14:43	0.4	0.3
448	4/8/2020 14:44	0.4	0.3
449	4/8/2020 14:45	0.4	0.3
450	4/8/2020 14:46	0.4	0.4
451	4/8/2020 14:47	0.4	0.4
452	4/8/2020 14:48	0.4	0.4
453	4/8/2020 14:49	0.4	0.4
454	4/8/2020 14:50	0.4	0.4
455	4/8/2020 14:51	0.4	0.4
456	4/8/2020 14:52	0.4	0.4
457	4/8/2020 14:53	0.4	0.4
458	4/8/2020 14:54	0.4	0.5
459	4/8/2020 14:55	0.4	0.5
460	4/8/2020 14:56	0.4	0.5
461	4/8/2020 14:57	0.4	0.5
462	4/8/2020 14:58	0.4	0.5

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20/04/13 07:15
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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-918988
Unit Firmware Ver	V2.20A
Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down
Site ID	12345678
User ID	12345678
Begin	4/13/2020 7:15
End	4/13/2020 11:09
Sample Period(s)	60
Number of Records	233
Sensor	PID(ppm)
Sensor SN	S023030089A2
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	100
TWA Alarm	50
Measurement Gas	Isobutylene
Calibration Time	4/1/2020 9:04
Peak	0.8
Min	0
Average	0.1

****
Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	4/13/2020 7:16	0.6	0.7	0.7
2	4/13/2020 7:17	0.6	0.7	0.6
3	4/13/2020 7:18	0.7	0.7	0.7
4	4/13/2020 7:19	0.7	0.8	0.8
5	4/13/2020 7:20	0.7	0.8	0.6

6	4/13/2020 7:21	0.7	0.8	0.7
7	4/13/2020 7:22	0.6	0.7	0.7
8	4/13/2020 7:23	0.6	0.7	0.6
9	4/13/2020 7:24	0.6	0.6	0.5
10	4/13/2020 7:25	0.6	0.6	0.6
11	4/13/2020 7:26	0.6	0.6	0.6
12	4/13/2020 7:27	0.6	0.6	0.6
13	4/13/2020 7:28	0.4	0.6	0.4
14	4/13/2020 7:29	0.3	0.4	0.2
15	4/13/2020 7:30	0.4	0.5	0.5
16	4/13/2020 7:31	0.5	0.5	0.5
17	4/13/2020 7:32	0.4	0.5	0.5
18	4/13/2020 7:33	0.5	0.5	0.4
19	4/13/2020 7:34	0.4	0.4	0.3
20	4/13/2020 7:35	0.3	0.4	0.1
21	4/13/2020 7:36	0.2	0.2	0.2
22	4/13/2020 7:37	0.2	0.2	0.2
23	4/13/2020 7:38	0.2	0.2	0.2
24	4/13/2020 7:39	0.2	0.3	0.2
25	4/13/2020 7:40	0.2	0.2	0.1
26	4/13/2020 7:41	0.2	0.2	0.2
27	4/13/2020 7:42	0.2	0.2	0.2
28	4/13/2020 7:43	0.2	0.2	0.2
29	4/13/2020 7:44	0.2	0.2	0.2
30	4/13/2020 7:45	0.2	0.2	0.2
31	4/13/2020 7:46	0.2	0.2	0.2
32	4/13/2020 7:47	0.2	0.2	0.2
33	4/13/2020 7:48	0.2	0.2	0.2
34	4/13/2020 7:49	0.2	0.2	0.2
35	4/13/2020 7:50	0.2	0.2	0.1
36	4/13/2020 7:51	0.2	0.2	0.2
37	4/13/2020 7:52	0.2	0.2	0.2
38	4/13/2020 7:53	0.2	0.2	0.2
39	4/13/2020 7:54	0.1	0.2	0.1
40	4/13/2020 7:55	0.1	0.1	0.1
41	4/13/2020 7:56	0.1	0.1	0.1
42	4/13/2020 7:57	0.1	0.2	0.2
43	4/13/2020 7:58	0.2	0.2	0.2
44	4/13/2020 7:59	0.2	0.2	0.2
45	4/13/2020 8:00	0.2	0.2	0.2
46	4/13/2020 8:01	0.1	0.2	0.1
47	4/13/2020 8:02	0.1	0.1	0.1
48	4/13/2020 8:03	0.1	0.2	0.2
49	4/13/2020 8:04	0.2	0.2	0.2
50	4/13/2020 8:05	0.1	0.2	0.1
51	4/13/2020 8:06	0.1	0.2	0.1
52	4/13/2020 8:07	0.1	0.1	0.1

53	4/13/2020 8:08	0.1	0.2	0.2
54	4/13/2020 8:09	0.1	0.2	0.1
55	4/13/2020 8:10	0.1	0.1	0.1
56	4/13/2020 8:11	0.1	0.1	0.1
57	4/13/2020 8:12	0.1	0.1	0.1
58	4/13/2020 8:13	0.1	0.1	0.1
59	4/13/2020 8:14	0.1	0.1	0.1
60	4/13/2020 8:15	0.1	0.1	0.1
61	4/13/2020 8:16	0.1	0.1	0.1
62	4/13/2020 8:17	0.1	0.1	0.1
63	4/13/2020 8:18	0.1	0.1	0.1
64	4/13/2020 8:19	0.1	0.1	0.1
65	4/13/2020 8:20	0.1	0.1	0.1
66	4/13/2020 8:21	0.1	0.1	0.1
67	4/13/2020 8:22	0.1	0.1	0.1
68	4/13/2020 8:23	0.1	0.1	0.1
69	4/13/2020 8:24	0.1	0.1	0.1
70	4/13/2020 8:25	0.1	0.1	0.1
71	4/13/2020 8:26	0.1	0.2	0.1
72	4/13/2020 8:27	0.1	0.1	0.1
73	4/13/2020 8:28	0.1	0.1	0.1
74	4/13/2020 8:29	0.1	0.1	0.1
75	4/13/2020 8:30	0.1	0.1	0.1
76	4/13/2020 8:31	0.1	0.1	0.1
77	4/13/2020 8:32	0.1	0.1	0.1
78	4/13/2020 8:33	0.1	0.1	0.1
79	4/13/2020 8:34	0.1	0.1	0.1
80	4/13/2020 8:35	0.1	0.2	0.2
81	4/13/2020 8:36	0.1	0.2	0
82	4/13/2020 8:37	0	0	0
83	4/13/2020 8:38	0	0	0
84	4/13/2020 8:39	0	0	0
85	4/13/2020 8:40	0	0	0
86	4/13/2020 8:41	0	0	0
87	4/13/2020 8:42	0	0	0
88	4/13/2020 8:43	0	0	0
89	4/13/2020 8:44	0	0	0
90	4/13/2020 8:45	0	0	0
91	4/13/2020 8:46	0	0	0
92	4/13/2020 8:47	0	0	0
93	4/13/2020 8:48	0	0	0
94	4/13/2020 8:49	0	0	0
95	4/13/2020 8:50	0	0	0
96	4/13/2020 8:51	0	0	0
97	4/13/2020 8:52	0	0	0
98	4/13/2020 8:53	0	0	0
99	4/13/2020 8:54	0	0	0

100	4/13/2020 8:55	0	0	0
101	4/13/2020 8:56	0	0	0
102	4/13/2020 8:57	0	0	0
103	4/13/2020 8:58	0	0.4	0
104	4/13/2020 8:59	0	0	0
105	4/13/2020 9:00	0	0	0
106	4/13/2020 9:01	0	0	0
107	4/13/2020 9:02	0	0	0
108	4/13/2020 9:03	0	0	0
109	4/13/2020 9:04	0	0	0
110	4/13/2020 9:05	0	0	0
111	4/13/2020 9:06	0	0	0
112	4/13/2020 9:07	0	0	0
113	4/13/2020 9:08	0	0	0
114	4/13/2020 9:09	0	0	0
115	4/13/2020 9:10	0	0	0
116	4/13/2020 9:11	0	0	0
117	4/13/2020 9:12	0	0	0
118	4/13/2020 9:13	0	0	0
119	4/13/2020 9:14	0	0	0
120	4/13/2020 9:15	0	0	0
121	4/13/2020 9:16	0	0	0
122	4/13/2020 9:17	0	0	0
123	4/13/2020 9:18	0	0	0
124	4/13/2020 9:19	0	0	0
125	4/13/2020 9:20	0	0	0
126	4/13/2020 9:21	0	0	0
127	4/13/2020 9:22	0	0	0
128	4/13/2020 9:23	0	0	0
129	4/13/2020 9:24	0	0	0
130	4/13/2020 9:25	0	0	0
131	4/13/2020 9:26	0	0	0
132	4/13/2020 9:27	0	0	0
133	4/13/2020 9:28	0	0	0
134	4/13/2020 9:29	0	0	0
135	4/13/2020 9:30	0	0	0
136	4/13/2020 9:31	0	0	0
137	4/13/2020 9:32	0	0	0
138	4/13/2020 9:33	0	0	0
139	4/13/2020 9:34	0	0	0
140	4/13/2020 9:35	0	0	0
141	4/13/2020 9:36	0	0	0
142	4/13/2020 9:37	0	0	0
143	4/13/2020 9:38	0	0	0
144	4/13/2020 9:39	0	0	0
145	4/13/2020 9:40	0	0	0
146	4/13/2020 9:41	0	0	0

147	4/13/2020 9:42	0	0	0
148	4/13/2020 9:43	0	0	0
149	4/13/2020 9:44	0	0	0
150	4/13/2020 9:45	0	0	0
151	4/13/2020 9:46	0	0	0
152	4/13/2020 9:47	0	0	0
153	4/13/2020 9:48	0	0	0
154	4/13/2020 9:49	0	0	0
155	4/13/2020 9:50	0	0	0
156	4/13/2020 9:51	0	0	0
157	4/13/2020 9:52	0	0	0
158	4/13/2020 9:53	0	0	0
159	4/13/2020 9:54	0	0	0
160	4/13/2020 9:55	0	0	0
161	4/13/2020 9:56	0	0	0
162	4/13/2020 9:57	0	0	0
163	4/13/2020 9:58	0	0	0
164	4/13/2020 9:59	0	0	0
165	4/13/2020 10:00	0	0	0
166	4/13/2020 10:01	0	0	0
167	4/13/2020 10:02	0	0	0
168	4/13/2020 10:03	0	0	0
169	4/13/2020 10:04	0	0	0
170	4/13/2020 10:05	0	0	0
171	4/13/2020 10:06	0	0	0
172	4/13/2020 10:07	0	0	0
173	4/13/2020 10:08	0	0	0
174	4/13/2020 10:09	0	0	0
175	4/13/2020 10:10	0	0	0
176	4/13/2020 10:11	0	0	0
177	4/13/2020 10:12	0	0	0
178	4/13/2020 10:13	0	0	0
179	4/13/2020 10:14	0	0	0
180	4/13/2020 10:15	0	0	0
181	4/13/2020 10:16	0	0	0
182	4/13/2020 10:17	0	0	0
183	4/13/2020 10:18	0	0	0
184	4/13/2020 10:19	0	0	0
185	4/13/2020 10:20	0	0	0
186	4/13/2020 10:21	0	0	0
187	4/13/2020 10:22	0	0	0
188	4/13/2020 10:23	0	0	0
189	4/13/2020 10:24	0	0	0
190	4/13/2020 10:25	0	0	0
191	4/13/2020 10:26	0	0	0
192	4/13/2020 10:27	0	0	0
193	4/13/2020 10:28	0	0	0

	194	4/13/2020 10:29	0	0	0
	195	4/13/2020 10:30	0	0	0
	196	4/13/2020 10:31	0	0	0
	197	4/13/2020 10:32	0	0	0
	198	4/13/2020 10:33	0	0	0
	199	4/13/2020 10:34	0	0	0
	200	4/13/2020 10:35	0	0	0
	201	4/13/2020 10:36	0	0	0
	202	4/13/2020 10:37	0	0	0
	203	4/13/2020 10:38	0	0	0
	204	4/13/2020 10:39	0	0	0
	205	4/13/2020 10:40	0	0	0
	206	4/13/2020 10:41	0	0	0
	207	4/13/2020 10:42	0	0	0
	208	4/13/2020 10:43	0	0	0
	209	4/13/2020 10:44	0	0	0
	210	4/13/2020 10:45	0	0	0
	211	4/13/2020 10:46	0	0	0
	212	4/13/2020 10:47	0	0	0
	213	4/13/2020 10:48	0	0	0
	214	4/13/2020 10:49	0	0	0
	215	4/13/2020 10:50	0	0.1	0
	216	4/13/2020 10:51	0	0	0
	217	4/13/2020 10:52	0	0	0
	218	4/13/2020 10:53	0	0	0
	219	4/13/2020 10:54	0	0	0
	220	4/13/2020 10:55	0	0.1	0
	221	4/13/2020 10:56	0	0	0
	222	4/13/2020 10:57	0	0	0
	223	4/13/2020 10:58	0	0	0
	224	4/13/2020 10:59	0	0	0
	225	4/13/2020 11:00	0	0	0
	226	4/13/2020 11:01	0	0	0
	227	4/13/2020 11:02	0	0	0
	228	4/13/2020 11:03	0	0	0
	229	4/13/2020 11:04	0	0	0
	230	4/13/2020 11:05	0	0	0
	231	4/13/2020 11:06	0	0	0
	232	4/13/2020 11:07	0	0	0
	233	4/13/2020 11:08	0	0	0
Peak			0.7	0.8	0.8
Min			0	0	0
Average			0.1	0.1	0.1

****

TWA/STEL

	PID(ppm)	PID(ppm)

Index	Date/Time	(TWA)	(STEL)
1	4/13/2020 7:16	0	---
2	4/13/2020 7:17	0	---
3	4/13/2020 7:18	0	---
4	4/13/2020 7:19	0	---
5	4/13/2020 7:20	0	---
6	4/13/2020 7:21	0	---
7	4/13/2020 7:22	0	---
8	4/13/2020 7:23	0	---
9	4/13/2020 7:24	0	---
10	4/13/2020 7:25	0	---
11	4/13/2020 7:26	0	---
12	4/13/2020 7:27	0	---
13	4/13/2020 7:28	0	---
14	4/13/2020 7:29	0	---
15	4/13/2020 7:30	0	0.6
16	4/13/2020 7:31	0	0.6
17	4/13/2020 7:32	0	0.6
18	4/13/2020 7:33	0	0.6
19	4/13/2020 7:34	0	0.6
20	4/13/2020 7:35	0	0.5
21	4/13/2020 7:36	0	0.5
22	4/13/2020 7:37	0	0.5
23	4/13/2020 7:38	0	0.4
24	4/13/2020 7:39	0	0.4
25	4/13/2020 7:40	0	0.4
26	4/13/2020 7:41	0	0.3
27	4/13/2020 7:42	0	0.3
28	4/13/2020 7:43	0	0.3
29	4/13/2020 7:44	0	0.3
30	4/13/2020 7:45	0	0.3
31	4/13/2020 7:46	0	0.3
32	4/13/2020 7:47	0	0.2
33	4/13/2020 7:48	0	0.2
34	4/13/2020 7:49	0	0.2
35	4/13/2020 7:50	0	0.2
36	4/13/2020 7:51	0	0.2
37	4/13/2020 7:52	0	0.2
38	4/13/2020 7:53	0	0.2
39	4/13/2020 7:54	0	0.2
40	4/13/2020 7:55	0	0.2
41	4/13/2020 7:56	0	0.2
42	4/13/2020 7:57	0	0.2
43	4/13/2020 7:58	0	0.2
44	4/13/2020 7:59	0	0.2
45	4/13/2020 8:00	0	0.2
46	4/13/2020 8:01	0	0.2

47	4/13/2020 8:02	0	0.2
48	4/13/2020 8:03	0	0.2
49	4/13/2020 8:04	0	0.2
50	4/13/2020 8:05	0	0.2
51	4/13/2020 8:06	0	0.2
52	4/13/2020 8:07	0	0.2
53	4/13/2020 8:08	0	0.2
54	4/13/2020 8:09	0	0.2
55	4/13/2020 8:10	0	0.2
56	4/13/2020 8:11	0	0.2
57	4/13/2020 8:12	0	0.2
58	4/13/2020 8:13	0	0.1
59	4/13/2020 8:14	0	0.1
60	4/13/2020 8:15	0	0.1
61	4/13/2020 8:16	0	0.1
62	4/13/2020 8:17	0	0.1
63	4/13/2020 8:18	0	0.1
64	4/13/2020 8:19	0	0.1
65	4/13/2020 8:20	0	0.1
66	4/13/2020 8:21	0	0.1
67	4/13/2020 8:22	0	0.1
68	4/13/2020 8:23	0	0.1
69	4/13/2020 8:24	0	0.1
70	4/13/2020 8:25	0	0.1
71	4/13/2020 8:26	0	0.1
72	4/13/2020 8:27	0	0.1
73	4/13/2020 8:28	0	0.1
74	4/13/2020 8:29	0	0.1
75	4/13/2020 8:30	0	0.1
76	4/13/2020 8:31	0	0.1
77	4/13/2020 8:32	0	0.1
78	4/13/2020 8:33	0	0.1
79	4/13/2020 8:34	0	0.1
80	4/13/2020 8:35	0	0.1
81	4/13/2020 8:36	0	0.1
82	4/13/2020 8:37	0	0.1
83	4/13/2020 8:38	0	0.1
84	4/13/2020 8:39	0	0.1
85	4/13/2020 8:40	0	0.1
86	4/13/2020 8:41	0	0.1
87	4/13/2020 8:42	0	0.1
88	4/13/2020 8:43	0	0.1
89	4/13/2020 8:44	0	0.1
90	4/13/2020 8:45	0	0
91	4/13/2020 8:46	0	0
92	4/13/2020 8:47	0	0
93	4/13/2020 8:48	0	0

94	4/13/2020 8:49	0	0
95	4/13/2020 8:50	0	0
96	4/13/2020 8:51	0	0
97	4/13/2020 8:52	0	0
98	4/13/2020 8:53	0	0
99	4/13/2020 8:54	0	0
100	4/13/2020 8:55	0	0
101	4/13/2020 8:56	0	0
102	4/13/2020 8:57	0	0
103	4/13/2020 8:58	0	0
104	4/13/2020 8:59	0	0
105	4/13/2020 9:00	0	0
106	4/13/2020 9:01	0	0
107	4/13/2020 9:02	0	0
108	4/13/2020 9:03	0	0
109	4/13/2020 9:04	0	0
110	4/13/2020 9:05	0	0
111	4/13/2020 9:06	0	0
112	4/13/2020 9:07	0	0
113	4/13/2020 9:08	0	0
114	4/13/2020 9:09	0	0
115	4/13/2020 9:10	0	0
116	4/13/2020 9:11	0	0
117	4/13/2020 9:12	0	0
118	4/13/2020 9:13	0	0
119	4/13/2020 9:14	0	0
120	4/13/2020 9:15	0	0
121	4/13/2020 9:16	0	0
122	4/13/2020 9:17	0	0
123	4/13/2020 9:18	0	0
124	4/13/2020 9:19	0	0
125	4/13/2020 9:20	0	0
126	4/13/2020 9:21	0	0
127	4/13/2020 9:22	0	0
128	4/13/2020 9:23	0	0
129	4/13/2020 9:24	0	0
130	4/13/2020 9:25	0	0
131	4/13/2020 9:26	0	0
132	4/13/2020 9:27	0	0
133	4/13/2020 9:28	0	0
134	4/13/2020 9:29	0	0
135	4/13/2020 9:30	0	0
136	4/13/2020 9:31	0	0
137	4/13/2020 9:32	0	0
138	4/13/2020 9:33	0	0
139	4/13/2020 9:34	0	0
140	4/13/2020 9:35	0	0

141	4/13/2020 9:36	0	0
142	4/13/2020 9:37	0	0
143	4/13/2020 9:38	0	0
144	4/13/2020 9:39	0	0
145	4/13/2020 9:40	0	0
146	4/13/2020 9:41	0	0
147	4/13/2020 9:42	0	0
148	4/13/2020 9:43	0	0
149	4/13/2020 9:44	0	0
150	4/13/2020 9:45	0	0
151	4/13/2020 9:46	0	0
152	4/13/2020 9:47	0	0
153	4/13/2020 9:48	0	0
154	4/13/2020 9:49	0	0
155	4/13/2020 9:50	0	0
156	4/13/2020 9:51	0	0
157	4/13/2020 9:52	0	0
158	4/13/2020 9:53	0	0
159	4/13/2020 9:54	0	0
160	4/13/2020 9:55	0	0
161	4/13/2020 9:56	0	0
162	4/13/2020 9:57	0	0
163	4/13/2020 9:58	0	0
164	4/13/2020 9:59	0	0
165	4/13/2020 10:00	0	0
166	4/13/2020 10:01	0	0
167	4/13/2020 10:02	0	0
168	4/13/2020 10:03	0	0
169	4/13/2020 10:04	0	0
170	4/13/2020 10:05	0	0
171	4/13/2020 10:06	0	0
172	4/13/2020 10:07	0	0
173	4/13/2020 10:08	0	0
174	4/13/2020 10:09	0	0
175	4/13/2020 10:10	0	0
176	4/13/2020 10:11	0	0
177	4/13/2020 10:12	0	0
178	4/13/2020 10:13	0	0
179	4/13/2020 10:14	0	0
180	4/13/2020 10:15	0	0
181	4/13/2020 10:16	0	0
182	4/13/2020 10:17	0	0
183	4/13/2020 10:18	0	0
184	4/13/2020 10:19	0	0
185	4/13/2020 10:20	0	0
186	4/13/2020 10:21	0	0
187	4/13/2020 10:22	0	0

188	4/13/2020 10:23	0	0
189	4/13/2020 10:24	0	0
190	4/13/2020 10:25	0	0
191	4/13/2020 10:26	0	0
192	4/13/2020 10:27	0	0
193	4/13/2020 10:28	0	0
194	4/13/2020 10:29	0	0
195	4/13/2020 10:30	0	0
196	4/13/2020 10:31	0	0
197	4/13/2020 10:32	0	0
198	4/13/2020 10:33	0	0
199	4/13/2020 10:34	0	0
200	4/13/2020 10:35	0	0
201	4/13/2020 10:36	0	0
202	4/13/2020 10:37	0	0
203	4/13/2020 10:38	0	0
204	4/13/2020 10:39	0	0
205	4/13/2020 10:40	0	0
206	4/13/2020 10:41	0	0
207	4/13/2020 10:42	0	0
208	4/13/2020 10:43	0	0
209	4/13/2020 10:44	0	0
210	4/13/2020 10:45	0	0
211	4/13/2020 10:46	0	0
212	4/13/2020 10:47	0	0
213	4/13/2020 10:48	0	0
214	4/13/2020 10:49	0	0
215	4/13/2020 10:50	0	0
216	4/13/2020 10:51	0	0
217	4/13/2020 10:52	0	0
218	4/13/2020 10:53	0	0
219	4/13/2020 10:54	0	0
220	4/13/2020 10:55	0	0
221	4/13/2020 10:56	0	0
222	4/13/2020 10:57	0	0
223	4/13/2020 10:58	0	0
224	4/13/2020 10:59	0	0
225	4/13/2020 11:00	0	0
226	4/13/2020 11:01	0	0
227	4/13/2020 11:02	0	0
228	4/13/2020 11:03	0	0
229	4/13/2020 11:04	0	0
230	4/13/2020 11:05	0	0
231	4/13/2020 11:06	0	0
232	4/13/2020 11:07	0	0
233	4/13/2020 11:08	0	0

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20/04/14 06:58
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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-918988
Unit Firmware Ver	V2.20A
Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down
Site ID	12345678
User ID	12345678
Begin	4/14/2020 6:58
End	4/14/2020 15:12
Sample Period(s)	60
Number of Records	494
Sensor	PID(ppm)
Sensor SN	S023030089A2
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	100
TWA Alarm	50
Measurement Gas	Isobutylene
Calibration Time	4/1/2020 9:04
Peak	0
Min	0
Average	0

****
Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	4/14/2020 6:59	0	0	0
2	4/14/2020 7:00	0	0	0
3	4/14/2020 7:01	0	0	0
4	4/14/2020 7:02	0	0	0
5	4/14/2020 7:03	0	0	0

6	4/14/2020 7:04	0	0	0
7	4/14/2020 7:05	0	0	0
8	4/14/2020 7:06	0	0	0
9	4/14/2020 7:07	0	0	0
10	4/14/2020 7:08	0	0	0
11	4/14/2020 7:09	0	0	0
12	4/14/2020 7:10	0	0	0
13	4/14/2020 7:11	0	0	0
14	4/14/2020 7:12	0	0	0
15	4/14/2020 7:13	0	0	0
16	4/14/2020 7:14	0	0	0
17	4/14/2020 7:15	0	0	0
18	4/14/2020 7:16	0	0	0
19	4/14/2020 7:17	0	0	0
20	4/14/2020 7:18	0	0	0
21	4/14/2020 7:19	0	0	0
22	4/14/2020 7:20	0	0	0
23	4/14/2020 7:21	0	0	0
24	4/14/2020 7:22	0	0	0
25	4/14/2020 7:23	0	0	0
26	4/14/2020 7:24	0	0	0
27	4/14/2020 7:25	0	0	0
28	4/14/2020 7:26	0	0	0
29	4/14/2020 7:27	0	0	0
30	4/14/2020 7:28	0	0	0
31	4/14/2020 7:29	0	0	0
32	4/14/2020 7:30	0	0	0
33	4/14/2020 7:31	0	0	0
34	4/14/2020 7:32	0	0	0
35	4/14/2020 7:33	0	0	0
36	4/14/2020 7:34	0	0	0
37	4/14/2020 7:35	0	0	0
38	4/14/2020 7:36	0	0	0
39	4/14/2020 7:37	0	0	0
40	4/14/2020 7:38	0	0	0
41	4/14/2020 7:39	0	0	0
42	4/14/2020 7:40	0	0	0
43	4/14/2020 7:41	0	0	0
44	4/14/2020 7:42	0	0	0
45	4/14/2020 7:43	0	0	0
46	4/14/2020 7:44	0	0	0
47	4/14/2020 7:45	0	0	0
48	4/14/2020 7:46	0	0	0
49	4/14/2020 7:47	0	0	0
50	4/14/2020 7:48	0	0	0
51	4/14/2020 7:49	0	0	0
52	4/14/2020 7:50	0	0	0

53	4/14/2020 7:51	0	0	0
54	4/14/2020 7:52	0	0	0
55	4/14/2020 7:53	0	0	0
56	4/14/2020 7:54	0	0	0
57	4/14/2020 7:55	0	0	0
58	4/14/2020 7:56	0	0	0
59	4/14/2020 7:57	0	0	0
60	4/14/2020 7:58	0	0	0
61	4/14/2020 7:59	0	0	0
62	4/14/2020 8:00	0	0	0
63	4/14/2020 8:01	0	0	0
64	4/14/2020 8:02	0	0	0
65	4/14/2020 8:03	0	0	0
66	4/14/2020 8:04	0	0	0
67	4/14/2020 8:05	0	0	0
68	4/14/2020 8:06	0	0	0
69	4/14/2020 8:07	0	0	0
70	4/14/2020 8:08	0	0	0
71	4/14/2020 8:09	0	0	0
72	4/14/2020 8:10	0	0	0
73	4/14/2020 8:11	0	0	0
74	4/14/2020 8:12	0	0	0
75	4/14/2020 8:13	0	0	0
76	4/14/2020 8:14	0	0	0
77	4/14/2020 8:15	0	0	0
78	4/14/2020 8:16	0	0	0
79	4/14/2020 8:17	0	0	0
80	4/14/2020 8:18	0	0	0
81	4/14/2020 8:19	0	0	0
82	4/14/2020 8:20	0	0	0
83	4/14/2020 8:21	0	0	0
84	4/14/2020 8:22	0	0	0
85	4/14/2020 8:23	0	0	0
86	4/14/2020 8:24	0	0	0
87	4/14/2020 8:25	0	0	0
88	4/14/2020 8:26	0	0	0
89	4/14/2020 8:27	0	0	0
90	4/14/2020 8:28	0	0	0
91	4/14/2020 8:29	0	0	0
92	4/14/2020 8:30	0	0	0
93	4/14/2020 8:31	0	0	0
94	4/14/2020 8:32	0	0	0
95	4/14/2020 8:33	0	0	0
96	4/14/2020 8:34	0	0	0
97	4/14/2020 8:35	0	0	0
98	4/14/2020 8:36	0	0	0
99	4/14/2020 8:37	0	0	0

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	493	4/14/2020 15:11	0	0	0
	494	4/14/2020 15:12	0	0	0
Peak			0	0	0
Min			0	0	0
Average			0	0	0

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
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2	4/14/2020 7:00	0	---
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494	4/14/2020 15:12	0	0

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20/04/15 07:04
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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-918988
Unit Firmware Ver	V2.20A
Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down
Site ID	12345678
User ID	12345678
Begin	4/15/2020 7:04
End	4/15/2020 10:52
Sample Period(s)	60
Number of Records	228
Sensor	PID(ppm)
Sensor SN	S023030089A2
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	100
TWA Alarm	50
Measurement Gas	Isobutylene
Calibration Time	4/1/2020 9:04
Peak	0.1
Min	0
Average	0

****
Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	4/15/2020 7:05	0	0	0
2	4/15/2020 7:06	0	0	0
3	4/15/2020 7:07	0	0	0
4	4/15/2020 7:08	0	0	0
5	4/15/2020 7:09	0	0	0

6	4/15/2020 7:10	0	0	0
7	4/15/2020 7:11	0	0	0
8	4/15/2020 7:12	0	0	0
9	4/15/2020 7:13	0	0	0
10	4/15/2020 7:14	0	0	0
11	4/15/2020 7:15	0	0	0
12	4/15/2020 7:16	0	0	0
13	4/15/2020 7:17	0	0	0
14	4/15/2020 7:18	0	0	0
15	4/15/2020 7:19	0	0	0
16	4/15/2020 7:20	0	0	0
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18	4/15/2020 7:22	0	0	0
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20	4/15/2020 7:24	0	0	0
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22	4/15/2020 7:26	0	0	0
23	4/15/2020 7:27	0	0	0
24	4/15/2020 7:28	0	0	0
25	4/15/2020 7:29	0	0	0
26	4/15/2020 7:30	0	0	0
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37	4/15/2020 7:41	0	0	0
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39	4/15/2020 7:43	0	0	0
40	4/15/2020 7:44	0	0	0
41	4/15/2020 7:45	0	0	0
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48	4/15/2020 7:52	0	0	0
49	4/15/2020 7:53	0	0	0
50	4/15/2020 7:54	0	0	0
51	4/15/2020 7:55	0	0	0
52	4/15/2020 7:56	0	0	0

53	4/15/2020 7:57	0	0	0
54	4/15/2020 7:58	0	0	0
55	4/15/2020 7:59	0	0	0
56	4/15/2020 8:00	0	0	0
57	4/15/2020 8:01	0	0	0
58	4/15/2020 8:02	0	0	0
59	4/15/2020 8:03	0	0	0
60	4/15/2020 8:04	0	0	0
61	4/15/2020 8:05	0	0	0
62	4/15/2020 8:06	0	0	0
63	4/15/2020 8:07	0	0	0
64	4/15/2020 8:08	0	0	0
65	4/15/2020 8:09	0	0	0
66	4/15/2020 8:10	0	0	0
67	4/15/2020 8:11	0	0	0
68	4/15/2020 8:12	0	0	0
69	4/15/2020 8:13	0	0	0
70	4/15/2020 8:14	0	0	0
71	4/15/2020 8:15	0	0	0
72	4/15/2020 8:16	0	0	0
73	4/15/2020 8:17	0	0	0
74	4/15/2020 8:18	0	0	0
75	4/15/2020 8:19	0	0	0
76	4/15/2020 8:20	0	0	0
77	4/15/2020 8:21	0	0	0
78	4/15/2020 8:22	0	0	0
79	4/15/2020 8:23	0	0	0
80	4/15/2020 8:24	0	0	0
81	4/15/2020 8:25	0	0	0
82	4/15/2020 8:26	0	0	0
83	4/15/2020 8:27	0	0	0
84	4/15/2020 8:28	0	0	0
85	4/15/2020 8:29	0	0	0
86	4/15/2020 8:30	0	0	0
87	4/15/2020 8:31	0	0	0
88	4/15/2020 8:32	0	0	0
89	4/15/2020 8:33	0	0	0
90	4/15/2020 8:34	0	0	0
91	4/15/2020 8:35	0	0	0
92	4/15/2020 8:36	0	0	0
93	4/15/2020 8:37	0	0	0
94	4/15/2020 8:38	0	0	0
95	4/15/2020 8:39	0	0	0
96	4/15/2020 8:40	0	0	0
97	4/15/2020 8:41	0	0	0
98	4/15/2020 8:42	0	0	0
99	4/15/2020 8:43	0	0	0

100	4/15/2020 8:44	0	0	0
101	4/15/2020 8:45	0	0	0
102	4/15/2020 8:46	0	0	0
103	4/15/2020 8:47	0	0	0
104	4/15/2020 8:48	0	0	0
105	4/15/2020 8:49	0	0	0
106	4/15/2020 8:50	0	0	0
107	4/15/2020 8:51	0	0	0
108	4/15/2020 8:52	0	0	0
109	4/15/2020 8:53	0	0	0
110	4/15/2020 8:54	0	0	0
111	4/15/2020 8:55	0	0	0
112	4/15/2020 8:56	0	0	0
113	4/15/2020 8:57	0	0	0
114	4/15/2020 8:58	0	0	0
115	4/15/2020 8:59	0	0	0
116	4/15/2020 9:00	0	0	0
117	4/15/2020 9:01	0	0	0
118	4/15/2020 9:02	0	0	0
119	4/15/2020 9:03	0	0	0
120	4/15/2020 9:04	0	0	0
121	4/15/2020 9:05	0	0	0
122	4/15/2020 9:06	0	0	0
123	4/15/2020 9:07	0	0	0
124	4/15/2020 9:08	0	0	0
125	4/15/2020 9:09	0	0	0
126	4/15/2020 9:10	0	0.1	0
127	4/15/2020 9:11	0	0	0
128	4/15/2020 9:12	0	0	0
129	4/15/2020 9:13	0	0	0
130	4/15/2020 9:14	0	0	0
131	4/15/2020 9:15	0	0	0
132	4/15/2020 9:16	0	0	0
133	4/15/2020 9:17	0	0	0
134	4/15/2020 9:18	0	0	0
135	4/15/2020 9:19	0	0	0
136	4/15/2020 9:20	0	0	0
137	4/15/2020 9:21	0	0	0
138	4/15/2020 9:22	0	0	0
139	4/15/2020 9:23	0	0	0
140	4/15/2020 9:24	0	0	0
141	4/15/2020 9:25	0	0	0
142	4/15/2020 9:26	0	0	0
143	4/15/2020 9:27	0	0	0
144	4/15/2020 9:28	0	0	0
145	4/15/2020 9:29	0	0	0
146	4/15/2020 9:30	0	0	0

147	4/15/2020 9:31	0	0	0
148	4/15/2020 9:32	0	0	0
149	4/15/2020 9:33	0	0	0
150	4/15/2020 9:34	0	0	0
151	4/15/2020 9:35	0	0	0
152	4/15/2020 9:36	0	0	0
153	4/15/2020 9:37	0	0	0
154	4/15/2020 9:38	0	0	0
155	4/15/2020 9:39	0	0	0
156	4/15/2020 9:40	0	0	0
157	4/15/2020 9:41	0	0	0
158	4/15/2020 9:42	0	0	0
159	4/15/2020 9:43	0	0	0
160	4/15/2020 9:44	0	0	0
161	4/15/2020 9:45	0	0	0
162	4/15/2020 9:46	0	0	0
163	4/15/2020 9:47	0	0	0
164	4/15/2020 9:48	0	0	0
165	4/15/2020 9:49	0	0	0
166	4/15/2020 9:50	0	0	0
167	4/15/2020 9:51	0	0	0
168	4/15/2020 9:52	0	0	0
169	4/15/2020 9:53	0	0	0
170	4/15/2020 9:54	0	0	0
171	4/15/2020 9:55	0	0	0
172	4/15/2020 9:56	0	0	0
173	4/15/2020 9:57	0	0	0
174	4/15/2020 9:58	0	0	0
175	4/15/2020 9:59	0	0	0
176	4/15/2020 10:00	0	0	0
177	4/15/2020 10:01	0	0	0
178	4/15/2020 10:02	0	0	0
179	4/15/2020 10:03	0	0	0
180	4/15/2020 10:04	0	0	0
181	4/15/2020 10:05	0	0	0
182	4/15/2020 10:06	0	0	0
183	4/15/2020 10:07	0	0	0
184	4/15/2020 10:08	0	0.3	0
185	4/15/2020 10:09	0.2	0.5	0.1
186	4/15/2020 10:10	0	0.1	0
187	4/15/2020 10:11	0	0	0
188	4/15/2020 10:12	0	0.1	0
189	4/15/2020 10:13	0	0	0
190	4/15/2020 10:14	0	0	0
191	4/15/2020 10:15	0	0	0
192	4/15/2020 10:16	0	0	0
193	4/15/2020 10:17	0	0	0

	194	4/15/2020 10:18	0	0	0
	195	4/15/2020 10:19	0	0	0
	196	4/15/2020 10:20	0	0	0
	197	4/15/2020 10:21	0	0	0
	198	4/15/2020 10:22	0	0	0
	199	4/15/2020 10:23	0	0	0
	200	4/15/2020 10:24	0	0	0
	201	4/15/2020 10:25	0	0	0
	202	4/15/2020 10:26	0	0	0
	203	4/15/2020 10:27	0	0	0
	204	4/15/2020 10:28	0	0	0
	205	4/15/2020 10:29	0	0	0
	206	4/15/2020 10:30	0	0	0
	207	4/15/2020 10:31	0	0	0
	208	4/15/2020 10:32	0	0	0
	209	4/15/2020 10:33	0	0	0
	210	4/15/2020 10:34	0	0	0
	211	4/15/2020 10:35	0	0	0
	212	4/15/2020 10:36	0	0	0
	213	4/15/2020 10:37	0	0	0
	214	4/15/2020 10:38	0	0	0
	215	4/15/2020 10:39	0	0	0
	216	4/15/2020 10:40	0	0	0
	217	4/15/2020 10:41	0	0	0
	218	4/15/2020 10:42	0	0	0
	219	4/15/2020 10:43	0	0	0
	220	4/15/2020 10:44	0	0	0
	221	4/15/2020 10:45	0	0	0
	222	4/15/2020 10:46	0	0	0
	223	4/15/2020 10:47	0	0	0
	224	4/15/2020 10:48	0	0.1	0
	225	4/15/2020 10:49	0	0	0
	226	4/15/2020 10:50	0	0	0
	227	4/15/2020 10:51	0	0	0
	228	4/15/2020 10:52	0	0	0
Peak			0.2	0.5	0.1
Min			0	0	0
Average			0	0	0

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	4/15/2020 7:05	0	---
2	4/15/2020 7:06	0	---
3	4/15/2020 7:07	0	---
4	4/15/2020 7:08	0	---

5	4/15/2020 7:09	0	---
6	4/15/2020 7:10	0	---
7	4/15/2020 7:11	0	---
8	4/15/2020 7:12	0	---
9	4/15/2020 7:13	0	---
10	4/15/2020 7:14	0	---
11	4/15/2020 7:15	0	---
12	4/15/2020 7:16	0	---
13	4/15/2020 7:17	0	---
14	4/15/2020 7:18	0	---
15	4/15/2020 7:19	0	0
16	4/15/2020 7:20	0	0
17	4/15/2020 7:21	0	0
18	4/15/2020 7:22	0	0
19	4/15/2020 7:23	0	0
20	4/15/2020 7:24	0	0
21	4/15/2020 7:25	0	0
22	4/15/2020 7:26	0	0
23	4/15/2020 7:27	0	0
24	4/15/2020 7:28	0	0
25	4/15/2020 7:29	0	0
26	4/15/2020 7:30	0	0
27	4/15/2020 7:31	0	0
28	4/15/2020 7:32	0	0
29	4/15/2020 7:33	0	0
30	4/15/2020 7:34	0	0
31	4/15/2020 7:35	0	0
32	4/15/2020 7:36	0	0
33	4/15/2020 7:37	0	0
34	4/15/2020 7:38	0	0
35	4/15/2020 7:39	0	0
36	4/15/2020 7:40	0	0
37	4/15/2020 7:41	0	0
38	4/15/2020 7:42	0	0
39	4/15/2020 7:43	0	0
40	4/15/2020 7:44	0	0
41	4/15/2020 7:45	0	0
42	4/15/2020 7:46	0	0
43	4/15/2020 7:47	0	0
44	4/15/2020 7:48	0	0
45	4/15/2020 7:49	0	0
46	4/15/2020 7:50	0	0
47	4/15/2020 7:51	0	0
48	4/15/2020 7:52	0	0
49	4/15/2020 7:53	0	0
50	4/15/2020 7:54	0	0
51	4/15/2020 7:55	0	0

52	4/15/2020 7:56	0	0
53	4/15/2020 7:57	0	0
54	4/15/2020 7:58	0	0
55	4/15/2020 7:59	0	0
56	4/15/2020 8:00	0	0
57	4/15/2020 8:01	0	0
58	4/15/2020 8:02	0	0
59	4/15/2020 8:03	0	0
60	4/15/2020 8:04	0	0
61	4/15/2020 8:05	0	0
62	4/15/2020 8:06	0	0
63	4/15/2020 8:07	0	0
64	4/15/2020 8:08	0	0
65	4/15/2020 8:09	0	0
66	4/15/2020 8:10	0	0
67	4/15/2020 8:11	0	0
68	4/15/2020 8:12	0	0
69	4/15/2020 8:13	0	0
70	4/15/2020 8:14	0	0
71	4/15/2020 8:15	0	0
72	4/15/2020 8:16	0	0
73	4/15/2020 8:17	0	0
74	4/15/2020 8:18	0	0
75	4/15/2020 8:19	0	0
76	4/15/2020 8:20	0	0
77	4/15/2020 8:21	0	0
78	4/15/2020 8:22	0	0
79	4/15/2020 8:23	0	0
80	4/15/2020 8:24	0	0
81	4/15/2020 8:25	0	0
82	4/15/2020 8:26	0	0
83	4/15/2020 8:27	0	0
84	4/15/2020 8:28	0	0
85	4/15/2020 8:29	0	0
86	4/15/2020 8:30	0	0
87	4/15/2020 8:31	0	0
88	4/15/2020 8:32	0	0
89	4/15/2020 8:33	0	0
90	4/15/2020 8:34	0	0
91	4/15/2020 8:35	0	0
92	4/15/2020 8:36	0	0
93	4/15/2020 8:37	0	0
94	4/15/2020 8:38	0	0
95	4/15/2020 8:39	0	0
96	4/15/2020 8:40	0	0
97	4/15/2020 8:41	0	0
98	4/15/2020 8:42	0	0

99	4/15/2020 8:43	0	0
100	4/15/2020 8:44	0	0
101	4/15/2020 8:45	0	0
102	4/15/2020 8:46	0	0
103	4/15/2020 8:47	0	0
104	4/15/2020 8:48	0	0
105	4/15/2020 8:49	0	0
106	4/15/2020 8:50	0	0
107	4/15/2020 8:51	0	0
108	4/15/2020 8:52	0	0
109	4/15/2020 8:53	0	0
110	4/15/2020 8:54	0	0
111	4/15/2020 8:55	0	0
112	4/15/2020 8:56	0	0
113	4/15/2020 8:57	0	0
114	4/15/2020 8:58	0	0
115	4/15/2020 8:59	0	0
116	4/15/2020 9:00	0	0
117	4/15/2020 9:01	0	0
118	4/15/2020 9:02	0	0
119	4/15/2020 9:03	0	0
120	4/15/2020 9:04	0	0
121	4/15/2020 9:05	0	0
122	4/15/2020 9:06	0	0
123	4/15/2020 9:07	0	0
124	4/15/2020 9:08	0	0
125	4/15/2020 9:09	0	0
126	4/15/2020 9:10	0	0
127	4/15/2020 9:11	0	0
128	4/15/2020 9:12	0	0
129	4/15/2020 9:13	0	0
130	4/15/2020 9:14	0	0
131	4/15/2020 9:15	0	0
132	4/15/2020 9:16	0	0
133	4/15/2020 9:17	0	0
134	4/15/2020 9:18	0	0
135	4/15/2020 9:19	0	0
136	4/15/2020 9:20	0	0
137	4/15/2020 9:21	0	0
138	4/15/2020 9:22	0	0
139	4/15/2020 9:23	0	0
140	4/15/2020 9:24	0	0
141	4/15/2020 9:25	0	0
142	4/15/2020 9:26	0	0
143	4/15/2020 9:27	0	0
144	4/15/2020 9:28	0	0
145	4/15/2020 9:29	0	0

146	4/15/2020 9:30	0	0
147	4/15/2020 9:31	0	0
148	4/15/2020 9:32	0	0
149	4/15/2020 9:33	0	0
150	4/15/2020 9:34	0	0
151	4/15/2020 9:35	0	0
152	4/15/2020 9:36	0	0
153	4/15/2020 9:37	0	0
154	4/15/2020 9:38	0	0
155	4/15/2020 9:39	0	0
156	4/15/2020 9:40	0	0
157	4/15/2020 9:41	0	0
158	4/15/2020 9:42	0	0
159	4/15/2020 9:43	0	0
160	4/15/2020 9:44	0	0
161	4/15/2020 9:45	0	0
162	4/15/2020 9:46	0	0
163	4/15/2020 9:47	0	0
164	4/15/2020 9:48	0	0
165	4/15/2020 9:49	0	0
166	4/15/2020 9:50	0	0
167	4/15/2020 9:51	0	0
168	4/15/2020 9:52	0	0
169	4/15/2020 9:53	0	0
170	4/15/2020 9:54	0	0
171	4/15/2020 9:55	0	0
172	4/15/2020 9:56	0	0
173	4/15/2020 9:57	0	0
174	4/15/2020 9:58	0	0
175	4/15/2020 9:59	0	0
176	4/15/2020 10:00	0	0
177	4/15/2020 10:01	0	0
178	4/15/2020 10:02	0	0
179	4/15/2020 10:03	0	0
180	4/15/2020 10:04	0	0
181	4/15/2020 10:05	0	0
182	4/15/2020 10:06	0	0
183	4/15/2020 10:07	0	0
184	4/15/2020 10:08	0	0
185	4/15/2020 10:09	0	0
186	4/15/2020 10:10	0	0
187	4/15/2020 10:11	0	0
188	4/15/2020 10:12	0	0
189	4/15/2020 10:13	0	0
190	4/15/2020 10:14	0	0
191	4/15/2020 10:15	0	0
192	4/15/2020 10:16	0	0

193	4/15/2020 10:17	0	0
194	4/15/2020 10:18	0	0
195	4/15/2020 10:19	0	0
196	4/15/2020 10:20	0	0
197	4/15/2020 10:21	0	0
198	4/15/2020 10:22	0	0
199	4/15/2020 10:23	0	0
200	4/15/2020 10:24	0	0
201	4/15/2020 10:25	0	0
202	4/15/2020 10:26	0	0
203	4/15/2020 10:27	0	0
204	4/15/2020 10:28	0	0
205	4/15/2020 10:29	0	0
206	4/15/2020 10:30	0	0
207	4/15/2020 10:31	0	0
208	4/15/2020 10:32	0	0
209	4/15/2020 10:33	0	0
210	4/15/2020 10:34	0	0
211	4/15/2020 10:35	0	0
212	4/15/2020 10:36	0	0
213	4/15/2020 10:37	0	0
214	4/15/2020 10:38	0	0
215	4/15/2020 10:39	0	0
216	4/15/2020 10:40	0	0
217	4/15/2020 10:41	0	0
218	4/15/2020 10:42	0	0
219	4/15/2020 10:43	0	0
220	4/15/2020 10:44	0	0
221	4/15/2020 10:45	0	0
222	4/15/2020 10:46	0	0
223	4/15/2020 10:47	0	0
224	4/15/2020 10:48	0	0
225	4/15/2020 10:49	0	0
226	4/15/2020 10:50	0	0
227	4/15/2020 10:51	0	0
228	4/15/2020 10:52	0	0

Doorway (Outside Workzone) CAMP Dust Monitoring Data

Complete Doorway DustTrak Data

Note that the Doorway PID was placed inside the building near the north central doorway through the dates 1/20/2020 to 2/20/2020 and outside near the north east doorway from the dates 2/21/2020 to 3/5/2020. Yellow highlighted data indicate any work zone dust exceedance. Notes are added next to the data to indicate reasons and efforts made to decrease dust. Most of the dust from building materials during construction activities of other contractors on-site.

****Please refer to the field notebook for more detailed explanations.****

Test 007

Instrument		Data Properties	
Model	DustTrak II	Start Date	01/16/2020
Instrument S/N	8530162110	Start Time	07:10:51
		Stop Date	01/16/2020
		Stop Time	14:25:51
		Total Time	0:07:15:00
		Logging Interval	900 seconds

Statistics	
	AEROSOL
Avg	0.016 mg/m^3
Max	0.034 mg/m^3
Max Date	01/16/2020
Max Time	08:25:51
Min	0.008 mg/m^3
Min Date	01/16/2020
Min Time	12:25:51
TWA (8 hr)	0.015
TWA Start Date	01/16/2020
TWA Start Time	07:10:51
TWA End Time	14:25:51

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
1	01/16/2020	07:25:51	0.016
2	01/16/2020	07:40:51	0.019
3	01/16/2020	07:55:51	0.022
4	01/16/2020	08:10:51	0.028
5	01/16/2020	08:25:51	0.034
6	01/16/2020	08:40:51	0.034
7	01/16/2020	08:55:51	0.034
8	01/16/2020	09:10:51	0.029
9	01/16/2020	09:25:51	0.025
10	01/16/2020	09:40:51	0.015
11	01/16/2020	09:55:51	0.012
12	01/16/2020	10:10:51	0.009
13	01/16/2020	10:25:51	0.011
14	01/16/2020	10:40:51	0.009
15	01/16/2020	10:55:51	0.018
16	01/16/2020	11:10:51	0.018
17	01/16/2020	11:25:51	0.016
18	01/16/2020	11:40:51	0.013
19	01/16/2020	11:55:51	0.015
20	01/16/2020	12:10:51	0.009
21	01/16/2020	12:25:51	0.008

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
22	01/16/2020	12:40:51	0.011
23	01/16/2020	12:55:51	0.008
24	01/16/2020	13:10:51	0.010
25	01/16/2020	13:25:51	0.008
26	01/16/2020	13:40:51	0.010
27	01/16/2020	13:55:51	0.011
28	01/16/2020	14:10:51	0.011
29	01/16/2020	14:25:51	0.012

January 2020
Doorway DustTrak
Data

Test 008

Instrument		Data Properties	
Model	DustTrak II	Start Date	01/20/2020
Instrument S/N	8530162110	Start Time	07:10:43
		Stop Date	01/20/2020
		Stop Time	08:25:43
		Total Time	0:01:15:00
		Logging Interval	900 seconds

Statistics	
	AEROSOL
Avg	0.010 mg/m^3
Max	0.012 mg/m^3
Max Date	01/20/2020
Max Time	08:10:43
Min	0.007 mg/m^3
Min Date	01/20/2020
Min Time	07:25:43
TWA (8 hr)	0.002
TWA Start Date	01/20/2020
TWA Start Time	07:10:43
TWA End Time	08:25:43

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
1	01/20/2020	07:25:43	0.007
2	01/20/2020	07:40:43	0.008
3	01/20/2020	07:55:43	0.011
4	01/20/2020	08:10:43	0.012
5	01/20/2020	08:25:43	0.011

Test 009

Instrument		Data Properties	
Model	DustTrak II	Start Date	01/20/2020
Instrument S/N	8530162110	Start Time	11:29:05
		Stop Date	01/20/2020
		Stop Time	15:29:05
		Total Time	0:04:00:00
		Logging Interval	900 seconds

Statistics	
	AEROSOL
Avg	0.275 mg/m^3
Max	0.485 mg/m^3
Max Date	01/20/2020
Max Time	13:59:05
Min	0.116 mg/m^3
Min Date	01/20/2020
Min Time	12:29:05
TWA (8 hr)	0.138
TWA Start Date	01/20/2020
TWA Start Time	11:29:05
TWA End Time	15:29:05

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
1	01/20/2020	11:44:05	0.192
2	01/20/2020	11:59:05	0.406
3	01/20/2020	12:14:05	0.371
4	01/20/2020	12:29:05	0.116
5	01/20/2020	12:44:05	0.139
6	01/20/2020	12:59:05	0.194
7	01/20/2020	13:14:05	0.144
8	01/20/2020	13:29:05	0.276
9	01/20/2020	13:44:05	0.376
10	01/20/2020	13:59:05	0.485
11	01/20/2020	14:14:05	0.406
12	01/20/2020	14:29:05	0.285
13	01/20/2020	14:44:05	0.317
14	01/20/2020	14:59:05	0.253
15	01/20/2020	15:14:05	0.238
16	01/20/2020	15:29:05	0.203

Caused by masons in adjacent room. Dust seen leaving room. CM was alerted. Windows opened. The dust kept seeping from the room throughout the day. NOT FROM DRILLING. DRILLING STARTED AT 1310.

Test 010

Instrument		Data Properties	
Model	DustTrak II	Start Date	01/21/2020
Instrument S/N	8530162110	Start Time	07:17:45
		Stop Date	01/21/2020
		Stop Time	15:17:45
		Total Time	0:08:00:00
		Logging Interval	900 seconds

Statistics	
	AEROSOL
Avg	0.091 mg/m^3
Max	0.221 mg/m^3
Max Date	01/21/2020
Max Time	09:02:45
Min	0.024 mg/m^3
Min Date	01/21/2020
Min Time	07:32:45
TWA (8 hr)	0.091
TWA Start Date	01/21/2020
TWA Start Time	07:17:45
TWA End Time	15:17:45

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
1	01/21/2020	07:32:45	0.024
2	01/21/2020	07:47:45	0.025
3	01/21/2020	08:02:45	0.030
4	01/21/2020	08:17:45	0.074
5	01/21/2020	08:32:45	0.067
6	01/21/2020	08:47:45	0.206
7	01/21/2020	09:02:45	0.221
8	01/21/2020	09:17:45	0.173
9	01/21/2020	09:32:45	0.165
10	01/21/2020	09:47:45	0.080
11	01/21/2020	10:02:45	0.056
12	01/21/2020	10:17:45	0.061
13	01/21/2020	10:32:45	0.102
14	01/21/2020	10:47:45	0.105
15	01/21/2020	11:02:45	0.105
16	01/21/2020	11:17:45	0.109
17	01/21/2020	11:32:45	0.105
18	01/21/2020	11:47:45	0.099
19	01/21/2020	12:02:45	0.115
20	01/21/2020	12:17:45	0.102
21	01/21/2020	12:32:45	0.137

Caused by masons in adjacent room. Dust seen leaving room. CM was alerted. Windows opened and CM worked with masons for better dust control.

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
22	01/21/2020	12:47:45	0.082
23	01/21/2020	13:02:45	0.070
24	01/21/2020	13:17:45	0.060
25	01/21/2020	13:32:45	0.038
26	01/21/2020	13:47:45	0.045
27	01/21/2020	14:02:45	0.031
28	01/21/2020	14:17:45	0.058
29	01/21/2020	14:32:45	0.192
30	01/21/2020	14:47:45	0.067
31	01/21/2020	15:02:45	0.065
32	01/21/2020	15:17:45	0.056

Caused by masons in adjacent room. Dust seen leaving room. CM was made aware. Windows opened and CM worked with masons for better dust control.

Test 011

Instrument		Data Properties	
Model	DustTrak II	Start Date	01/22/2020
Instrument S/N	8530162110	Start Time	07:52:15
		Stop Date	01/22/2020
		Stop Time	15:22:15
		Total Time	0:07:30:00
		Logging Interval	900 seconds

Statistics	
	AEROSOL
Avg	0.072 mg/m^3
Max	0.316 mg/m^3
Max Date	01/22/2020
Max Time	09:52:15
Min	0.025 mg/m^3
Min Date	01/22/2020
Min Time	14:22:15
TWA (8 hr)	0.067
TWA Start Date	01/22/2020
TWA Start Time	07:52:15
TWA End Time	15:22:15

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
1	01/22/2020	08:07:15	0.058
2	01/22/2020	08:22:15	0.063
3	01/22/2020	08:37:15	0.065
4	01/22/2020	08:52:15	0.110
5	01/22/2020	09:07:15	0.095
6	01/22/2020	09:22:15	0.125
7	01/22/2020	09:37:15	0.244
8	01/22/2020	09:52:15	0.316
9	01/22/2020	10:07:15	0.214
10	01/22/2020	10:22:15	0.062
11	01/22/2020	10:37:15	0.054
12	01/22/2020	10:52:15	0.049
13	01/22/2020	11:07:15	0.040
14	01/22/2020	11:22:15	0.039
15	01/22/2020	11:37:15	0.042
16	01/22/2020	11:52:15	0.040
17	01/22/2020	12:07:15	0.037
18	01/22/2020	12:22:15	0.032
19	01/22/2020	12:37:15	0.037
20	01/22/2020	12:52:15	0.030
21	01/22/2020	13:07:15	0.035

Caused by masons or moving of drums across floor. Additional plywood windows ppened for better ventilation.

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
22	01/22/2020	13:22:15	0.034
23	01/22/2020	13:37:15	0.039
24	01/22/2020	13:52:15	0.039
25	01/22/2020	14:07:15	0.034
26	01/22/2020	14:22:15	0.025
27	01/22/2020	14:37:15	0.038
28	01/22/2020	14:52:15	0.037
29	01/22/2020	15:07:15	0.041
30	01/22/2020	15:22:15	0.071

Test 012

Instrument		Data Properties	
Model	DustTrak II	Start Date	01/23/2020
Instrument S/N	8530162110	Start Time	07:29:06
		Stop Date	01/23/2020
		Stop Time	15:29:06
		Total Time	0:08:00:00
		Logging Interval	900 seconds

Statistics	
	AEROSOL
Avg	0.050 mg/m^3
Max	0.124 mg/m^3
Max Date	01/23/2020
Max Time	13:44:06
Min	0.017 mg/m^3
Min Date	01/23/2020
Min Time	07:44:06
TWA (8 hr)	0.050
TWA Start Date	01/23/2020
TWA Start Time	07:29:06
TWA End Time	15:29:06

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
1	01/23/2020	07:44:06	0.017
2	01/23/2020	07:59:06	0.019
3	01/23/2020	08:14:06	0.024
4	01/23/2020	08:29:06	0.037
5	01/23/2020	08:44:06	0.040
6	01/23/2020	08:59:06	0.041
7	01/23/2020	09:14:06	0.036
8	01/23/2020	09:29:06	0.034
9	01/23/2020	09:44:06	0.033
10	01/23/2020	09:59:06	0.031
11	01/23/2020	10:14:06	0.039
12	01/23/2020	10:29:06	0.098
13	01/23/2020	10:44:06	0.073
14	01/23/2020	10:59:06	0.044
15	01/23/2020	11:14:06	0.074
16	01/23/2020	11:29:06	0.047
17	01/23/2020	11:44:06	0.057
18	01/23/2020	11:59:06	0.079
19	01/23/2020	12:14:06	0.062
20	01/23/2020	12:29:06	0.057
21	01/23/2020	12:44:06	0.035

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
22	01/23/2020	12:59:06	0.032
23	01/23/2020	13:14:06	0.090
24	01/23/2020	13:29:06	0.096
25	01/23/2020	13:44:06	0.124
26	01/23/2020	13:59:06	0.054
27	01/23/2020	14:14:06	0.045
28	01/23/2020	14:29:06	0.043
29	01/23/2020	14:44:06	0.037
30	01/23/2020	14:59:06	0.034
31	01/23/2020	15:14:06	0.033
32	01/23/2020	15:29:06	0.037

Test 013

Instrument		Data Properties	
Model	DustTrak II	Start Date	01/24/2020
Instrument S/N	8530162110	Start Time	07:36:35
		Stop Date	01/24/2020
		Stop Time	10:51:35
		Total Time	0:03:15:00
		Logging Interval	900 seconds

Statistics	
	AEROSOL
Avg	0.052 mg/m^3
Max	0.072 mg/m^3
Max Date	01/24/2020
Max Time	08:21:35
Min	0.035 mg/m^3
Min Date	01/24/2020
Min Time	08:06:35
TWA (8 hr)	0.021
TWA Start Date	01/24/2020
TWA Start Time	07:36:35
TWA End Time	10:51:35

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
1	01/24/2020	07:51:35	0.044
2	01/24/2020	08:06:35	0.035
3	01/24/2020	08:21:35	0.072
4	01/24/2020	08:36:35	0.056
5	01/24/2020	08:51:35	0.060
6	01/24/2020	09:06:35	0.061
7	01/24/2020	09:21:35	0.062
8	01/24/2020	09:36:35	0.051
9	01/24/2020	09:51:35	0.044
10	01/24/2020	10:06:35	0.040
11	01/24/2020	10:21:35	0.045
12	01/24/2020	10:36:35	0.052
13	01/24/2020	10:51:35	0.057

Test 014

Instrument		Data Properties	
Model	DustTrak II	Start Date	01/24/2020
Instrument S/N	8530162110	Start Time	11:04:25
		Stop Date	01/24/2020
		Stop Time	15:34:25
		Total Time	0:04:30:00
		Logging Interval	900 seconds

Statistics	
	AEROSOL
Avg	0.072 mg/m^3
Max	0.094 mg/m^3
Max Date	01/24/2020
Max Time	14:34:25
Min	0.054 mg/m^3
Min Date	01/24/2020
Min Time	11:34:25
TWA (8 hr)	0.040
TWA Start Date	01/24/2020
TWA Start Time	11:04:25
TWA End Time	15:34:25

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
1	01/24/2020	11:19:25	0.060
2	01/24/2020	11:34:25	0.054
3	01/24/2020	11:49:25	0.068
4	01/24/2020	12:04:25	0.074
5	01/24/2020	12:19:25	0.082
6	01/24/2020	12:34:25	0.057
7	01/24/2020	12:49:25	0.083
8	01/24/2020	13:04:25	0.077
9	01/24/2020	13:19:25	0.070
10	01/24/2020	13:34:25	0.070
11	01/24/2020	13:49:25	0.071
12	01/24/2020	14:04:25	0.069
13	01/24/2020	14:19:25	0.079
14	01/24/2020	14:34:25	0.094
15	01/24/2020	14:49:25	0.075
16	01/24/2020	15:04:25	0.069
17	01/24/2020	15:19:25	0.075
18	01/24/2020	15:34:25	0.067

Test 015

Instrument		Data Properties	
Model	DustTrak II	Start Date	01/27/2020
Instrument S/N	8530162110	Start Time	08:26:14
		Stop Date	01/27/2020
		Stop Time	15:26:14
		Total Time	0:07:00:00
		Logging Interval	900 seconds

Statistics	
	AEROSOL
Avg	0.023 mg/m^3
Max	0.073 mg/m^3
Max Date	01/27/2020
Max Time	10:41:14
Min	0.006 mg/m^3
Min Date	01/27/2020
Min Time	14:41:14
TWA (8 hr)	0.020
TWA Start Date	01/27/2020
TWA Start Time	08:26:14
TWA End Time	15:26:14

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
1	01/27/2020	08:41:14	0.060
2	01/27/2020	08:56:14	0.061
3	01/27/2020	09:11:14	0.037
4	01/27/2020	09:26:14	0.032
5	01/27/2020	09:41:14	0.034
6	01/27/2020	09:56:14	0.018
7	01/27/2020	10:11:14	0.020
8	01/27/2020	10:26:14	0.016
9	01/27/2020	10:41:14	0.073
10	01/27/2020	10:56:14	0.066
11	01/27/2020	11:11:14	0.021
12	01/27/2020	11:26:14	0.013
13	01/27/2020	11:41:14	0.014
14	01/27/2020	11:56:14	0.012
15	01/27/2020	12:11:14	0.012
16	01/27/2020	12:26:14	0.009
17	01/27/2020	12:41:14	0.010
18	01/27/2020	12:56:14	0.011
19	01/27/2020	13:11:14	0.011
20	01/27/2020	13:26:14	0.015
21	01/27/2020	13:41:14	0.013

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
22	01/27/2020	13:56:14	0.009
23	01/27/2020	14:11:14	0.010
24	01/27/2020	14:26:14	0.007
25	01/27/2020	14:41:14	0.006
26	01/27/2020	14:56:14	0.009
27	01/27/2020	15:11:14	0.013
28	01/27/2020	15:26:14	0.033

Test 016

ERROR: MAX PM1,

Instrument		Data Properties	
Model	DustTrak II	Start Date	01/28/2020
Instrument S/N	8530162110	Start Time	08:51:04
		Stop Date	01/28/2020
		Stop Time	21:26:04
		Total Time	0:12:35:00
		Logging Interval	900 seconds

Statistics	
	AEROSOL
Avg	0.015 mg/m^3
Max	0.032 mg/m^3
Max Date	01/28/2020
Max Time	09:21:04
Min	0.000 mg/m^3
Min Date	01/28/2020
Min Time	21:17:34
TWA (8 hr)	0.000
TWA Start Date	01/28/2020
TWA Start Time	08:51:04
TWA End Time	21:26:04

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
1	01/28/2020	09:06:04	0.028
2	01/28/2020	09:21:04	0.032
3	01/28/2020	09:36:04	0.016
4	01/28/2020	09:51:04	0.018
5	01/28/2020	10:06:04	0.014
6	01/28/2020	10:21:04	0.014
7	01/28/2020	10:36:04	0.015
8	01/28/2020	10:51:04	0.012
9	01/28/2020	11:06:04	0.011
10	01/28/2020	11:21:04	0.015
11	01/28/2020	11:36:04	0.019
12	01/28/2020	11:51:04	0.026
13	01/28/2020	12:06:04	0.018
14	01/28/2020	12:21:04	0.013
15	01/28/2020	12:36:04	0.014
16	01/28/2020	12:51:04	0.010
17	01/28/2020	13:06:04	0.010
18	01/28/2020	13:21:04	0.014
19	01/28/2020	13:36:04	0.032
20	01/28/2020	13:51:04	0.011

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
21	01/28/2020	14:06:04	0.009
22	01/28/2020	14:21:04	0.012
23	01/28/2020	14:36:04	0.012
24	01/28/2020	14:51:04	0.019
25	01/28/2020	15:06:04	0.014
26	01/28/2020	15:21:04	0.011
27	01/28/2020	15:36:04	0.015
28	01/28/2020	21:17:34	0.000
29	01/28/2020	21:21:04	0.010
30	01/28/2020	21:26:07	0.000

Test 017

Instrument		Data Properties	
Model	DustTrak II	Start Date	01/29/2020
Instrument S/N	8530162110	Start Time	08:29:15
		Stop Date	01/29/2020
		Stop Time	14:59:15
		Total Time	0:06:30:00
		Logging Interval	900 seconds

Statistics	
	AEROSOL
Avg	0.040 mg/m^3
Max	0.114 mg/m^3
Max Date	01/29/2020
Max Time	10:14:15
Min	0.007 mg/m^3
Min Date	01/29/2020
Min Time	11:59:15
TWA (8 hr)	0.033
TWA Start Date	01/29/2020
TWA Start Time	08:29:15
TWA End Time	14:59:15

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
1	01/29/2020	08:44:15	0.023
2	01/29/2020	08:59:15	0.023
3	01/29/2020	09:14:15	0.034
4	01/29/2020	09:29:15	0.038
5	01/29/2020	09:44:15	0.066
6	01/29/2020	09:59:15	0.084
7	01/29/2020	10:14:15	0.114
8	01/29/2020	10:29:15	0.035
9	01/29/2020	10:44:15	0.037
10	01/29/2020	10:59:15	0.083
11	01/29/2020	11:14:15	0.050
12	01/29/2020	11:29:15	0.017
13	01/29/2020	11:44:15	0.013
14	01/29/2020	11:59:15	0.007
15	01/29/2020	12:14:15	0.031
16	01/29/2020	12:29:15	0.060
17	01/29/2020	12:44:15	0.082
18	01/29/2020	12:59:15	0.075
19	01/29/2020	13:14:15	0.058
20	01/29/2020	13:29:15	0.019
21	01/29/2020	13:44:15	0.017

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
22	01/29/2020	13:59:15	0.015
23	01/29/2020	14:14:15	0.016
24	01/29/2020	14:29:15	0.016
25	01/29/2020	14:44:15	0.018
26	01/29/2020	14:59:15	0.014

Test 018

Instrument		Data Properties	
Model	DustTrak II	Start Date	01/30/2020
Instrument S/N	8530162110	Start Time	07:51:20
		Stop Date	01/30/2020
		Stop Time	15:36:20
		Total Time	0:07:45:00
		Logging Interval	900 seconds

Statistics	
	AEROSOL
Avg	0.061 mg/m^3
Max	0.144 mg/m^3
Max Date	01/30/2020
Max Time	12:06:20
Min	0.015 mg/m^3
Min Date	01/30/2020
Min Time	08:51:20
TWA (8 hr)	0.059
TWA Start Date	01/30/2020
TWA Start Time	07:51:20
TWA End Time	15:36:20

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
1	01/30/2020	08:06:20	0.027
2	01/30/2020	08:21:20	0.044
3	01/30/2020	08:36:20	0.030
4	01/30/2020	08:51:20	0.015
5	01/30/2020	09:06:20	0.017
6	01/30/2020	09:21:20	0.042
7	01/30/2020	09:36:20	0.038
8	01/30/2020	09:51:20	0.042
9	01/30/2020	10:06:20	0.041
10	01/30/2020	10:21:20	0.049
11	01/30/2020	10:36:20	0.069
12	01/30/2020	10:51:20	0.039
13	01/30/2020	11:06:20	0.048
14	01/30/2020	11:21:20	0.035
15	01/30/2020	11:36:20	0.057
16	01/30/2020	11:51:20	0.062
17	01/30/2020	12:06:20	0.144
18	01/30/2020	12:21:20	0.072
19	01/30/2020	12:36:20	0.027
20	01/30/2020	12:51:20	0.036
21	01/30/2020	13:06:20	0.096

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
22	01/30/2020	13:21:20	0.097
23	01/30/2020	13:36:20	0.074
24	01/30/2020	13:51:20	0.119
25	01/30/2020	14:06:20	0.133
26	01/30/2020	14:21:20	0.086
27	01/30/2020	14:36:20	0.044
28	01/30/2020	14:51:20	0.066
29	01/30/2020	15:06:20	0.081
30	01/30/2020	15:21:20	0.082
31	01/30/2020	15:36:20	0.068

Test 019

Instrument		Data Properties	
Model	DustTrak II	Start Date	01/31/2020
Instrument S/N	8530162110	Start Time	07:27:15
		Stop Date	01/31/2020
		Stop Time	15:42:15
		Total Time	0:08:15:00
		Logging Interval	900 seconds

Statistics	
	AEROSOL
Avg	0.040 mg/m^3
Max	0.068 mg/m^3
Max Date	01/31/2020
Max Time	08:57:15
Min	0.031 mg/m^3
Min Date	01/31/2020
Min Time	07:57:15
TWA (8 hr)	0.040
TWA Start Date	01/31/2020
TWA Start Time	07:27:15
TWA End Time	15:42:15

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
1	01/31/2020	07:42:15	0.033
2	01/31/2020	07:57:15	0.031
3	01/31/2020	08:12:15	0.034
4	01/31/2020	08:27:15	0.039
5	01/31/2020	08:42:15	0.040
6	01/31/2020	08:57:15	0.068
7	01/31/2020	09:12:15	0.046
8	01/31/2020	09:27:15	0.035
9	01/31/2020	09:42:15	0.037
10	01/31/2020	09:57:15	0.035
11	01/31/2020	10:12:15	0.035
12	01/31/2020	10:27:15	0.037
13	01/31/2020	10:42:15	0.040
14	01/31/2020	10:57:15	0.043
15	01/31/2020	11:12:15	0.046
16	01/31/2020	11:27:15	0.049
17	01/31/2020	11:42:15	0.054
18	01/31/2020	11:57:15	0.039
19	01/31/2020	12:12:15	0.037
20	01/31/2020	12:27:15	0.035
21	01/31/2020	12:42:15	0.038

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
22	01/31/2020	12:57:15	0.034
23	01/31/2020	13:12:15	0.035
24	01/31/2020	13:27:15	0.043
25	01/31/2020	13:42:15	0.041
26	01/31/2020	13:57:15	0.032
27	01/31/2020	14:12:15	0.041
28	01/31/2020	14:27:15	0.040
29	01/31/2020	14:42:15	0.041
30	01/31/2020	14:57:15	0.042
31	01/31/2020	15:12:15	0.039
32	01/31/2020	15:27:15	0.038
33	01/31/2020	15:42:15	0.038

February 2020
Doorway DustTrak
Data

Test 020

Instrument		Data Properties	
Model	DustTrak II	Start Date	02/03/2020
Instrument S/N	8530162110	Start Time	07:20:33
		Stop Date	02/03/2020
		Stop Time	08:05:33
		Total Time	0:00:45:00
		Logging Interval	900 seconds

Statistics	
	AEROSOL
Avg	0.032 mg/m^3
Max	0.043 mg/m^3
Max Date	02/03/2020
Max Time	08:05:33
Min	0.026 mg/m^3
Min Date	02/03/2020
Min Time	07:50:33
TWA (8 hr)	0.003
TWA Start Date	02/03/2020
TWA Start Time	07:20:33
TWA End Time	08:05:33

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
1	02/03/2020	07:35:33	0.028
2	02/03/2020	07:50:33	0.026
3	02/03/2020	08:05:33	0.043

Test 021

Instrument		Data Properties	
Model	DustTrak II	Start Date	02/03/2020
Instrument S/N	8530162110	Start Time	08:18:07
		Stop Date	02/03/2020
		Stop Time	15:33:07
		Total Time	0:07:15:00
		Logging Interval	900 seconds

Statistics	
	AEROSOL
Avg	0.016 mg/m^3
Max	0.026 mg/m^3
Max Date	02/03/2020
Max Time	15:33:07
Min	0.011 mg/m^3
Min Date	02/03/2020
Min Time	11:03:07
TWA (8 hr)	0.014
TWA Start Date	02/03/2020
TWA Start Time	08:18:07
TWA End Time	15:33:07

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
1	02/03/2020	08:33:07	0.018
2	02/03/2020	08:48:07	0.013
3	02/03/2020	09:03:07	0.016
4	02/03/2020	09:18:07	0.016
5	02/03/2020	09:33:07	0.017
6	02/03/2020	09:48:07	0.015
7	02/03/2020	10:03:07	0.016
8	02/03/2020	10:18:07	0.015
9	02/03/2020	10:33:07	0.016
10	02/03/2020	10:48:07	0.020
11	02/03/2020	11:03:07	0.011
12	02/03/2020	11:18:07	0.011
13	02/03/2020	11:33:07	0.012
14	02/03/2020	11:48:07	0.014
15	02/03/2020	12:03:07	0.013
16	02/03/2020	12:18:07	0.016
17	02/03/2020	12:33:07	0.014
18	02/03/2020	12:48:07	0.015
19	02/03/2020	13:03:07	0.015
20	02/03/2020	13:18:07	0.016
21	02/03/2020	13:33:07	0.015

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
22	02/03/2020	13:48:07	0.015
23	02/03/2020	14:03:07	0.015
24	02/03/2020	14:18:07	0.016
25	02/03/2020	14:33:07	0.019
26	02/03/2020	14:48:07	0.018
27	02/03/2020	15:03:07	0.014
28	02/03/2020	15:18:07	0.013
29	02/03/2020	15:33:07	0.026

Test 022

Instrument		Data Properties	
Model	DustTrak II	Start Date	02/04/2020
Instrument S/N	8530162110	Start Time	07:21:38
		Stop Date	02/04/2020
		Stop Time	14:36:38
		Total Time	0:07:15:00
		Logging Interval	900 seconds

Statistics	
	AEROSOL
Avg	0.030 mg/m^3
Max	0.055 mg/m^3
Max Date	02/04/2020
Max Time	08:21:38
Min	0.009 mg/m^3
Min Date	02/04/2020
Min Time	13:51:38
TWA (8 hr)	0.027
TWA Start Date	02/04/2020
TWA Start Time	07:21:38
TWA End Time	14:36:38

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
1	02/04/2020	07:36:38	0.042
2	02/04/2020	07:51:38	0.046
3	02/04/2020	08:06:38	0.048
4	02/04/2020	08:21:38	0.055
5	02/04/2020	08:36:38	0.043
6	02/04/2020	08:51:38	0.038
7	02/04/2020	09:06:38	0.033
8	02/04/2020	09:21:38	0.035
9	02/04/2020	09:36:38	0.033
10	02/04/2020	09:51:38	0.033
11	02/04/2020	10:06:38	0.037
12	02/04/2020	10:21:38	0.032
13	02/04/2020	10:36:38	0.033
14	02/04/2020	10:51:38	0.031
15	02/04/2020	11:06:38	0.030
16	02/04/2020	11:21:38	0.030
17	02/04/2020	11:36:38	0.031
18	02/04/2020	11:51:38	0.031
19	02/04/2020	12:06:38	0.029
20	02/04/2020	12:21:38	0.029
21	02/04/2020	12:36:38	0.029

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
22	02/04/2020	12:51:38	0.025
23	02/04/2020	13:06:38	0.021
24	02/04/2020	13:21:38	0.015
25	02/04/2020	13:36:38	0.012
26	02/04/2020	13:51:38	0.009
27	02/04/2020	14:06:38	0.009
28	02/04/2020	14:21:38	0.009
29	02/04/2020	14:36:38	0.011

Test 023

Instrument		Data Properties	
Model	DustTrak II	Start Date	02/05/2020
Instrument S/N	8530162110	Start Time	07:20:50
		Stop Date	02/05/2020
		Stop Time	15:05:50
		Total Time	0:07:45:00
		Logging Interval	900 seconds

Statistics	
	AEROSOL
Avg	0.015 mg/m^3
Max	0.165 mg/m^3
Max Date	02/05/2020
Max Time	08:35:50
Min	0.003 mg/m^3
Min Date	02/05/2020
Min Time	10:35:50
TWA (8 hr)	0.015
TWA Start Date	02/05/2020
TWA Start Time	07:20:50
TWA End Time	15:05:50

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
1	02/05/2020	07:35:50	0.007
2	02/05/2020	07:50:50	0.008
3	02/05/2020	08:05:50	0.064
4	02/05/2020	08:20:50	0.005
5	02/05/2020	08:35:50	0.165
6	02/05/2020	08:50:50	0.060
7	02/05/2020	09:05:50	0.006
8	02/05/2020	09:20:50	0.043
9	02/05/2020	09:35:50	0.010
10	02/05/2020	09:50:50	0.005
11	02/05/2020	10:05:50	0.004
12	02/05/2020	10:20:50	0.004
13	02/05/2020	10:35:50	0.003
14	02/05/2020	10:50:50	0.004
15	02/05/2020	11:05:50	0.004
16	02/05/2020	11:20:50	0.004
17	02/05/2020	11:35:50	0.004
18	02/05/2020	11:50:50	0.004
19	02/05/2020	12:05:50	0.005
20	02/05/2020	12:20:50	0.006
21	02/05/2020	12:35:50	0.005

Caused by masons cutting brick near CAMP. A daSilva opened up more plywood windows for better ventilation.

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
22	02/05/2020	12:50:50	0.007
23	02/05/2020	13:05:50	0.005
24	02/05/2020	13:20:50	0.004
25	02/05/2020	13:35:50	0.004
26	02/05/2020	13:50:50	0.004
27	02/05/2020	14:05:50	0.004
28	02/05/2020	14:20:50	0.005
29	02/05/2020	14:35:50	0.005
30	02/05/2020	14:50:50	0.004
31	02/05/2020	15:05:50	0.006

Test 024

Instrument		Data Properties	
Model	DustTrak II	Start Date	02/06/2020
Instrument S/N	8530162110	Start Time	08:01:34
		Stop Date	02/06/2020
		Stop Time	15:46:34
		Total Time	0:07:45:00
		Logging Interval	900 seconds

Statistics	
	AEROSOL
Avg	0.033 mg/m^3
Max	0.115 mg/m^3
Max Date	02/06/2020
Max Time	12:31:34
Min	0.014 mg/m^3
Min Date	02/06/2020
Min Time	15:46:34
TWA (8 hr)	0.031
TWA Start Date	02/06/2020
TWA Start Time	08:01:34
TWA End Time	15:46:34

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
1	02/06/2020	08:16:34	0.049
2	02/06/2020	08:31:34	0.037
3	02/06/2020	08:46:34	0.048
4	02/06/2020	09:01:34	0.042
5	02/06/2020	09:16:34	0.036
6	02/06/2020	09:31:34	0.049
7	02/06/2020	09:46:34	0.036
8	02/06/2020	10:01:34	0.031
9	02/06/2020	10:16:34	0.033
10	02/06/2020	10:31:34	0.038
11	02/06/2020	10:46:34	0.025
12	02/06/2020	11:01:34	0.021
13	02/06/2020	11:16:34	0.025
14	02/06/2020	11:31:34	0.024
15	02/06/2020	11:46:34	0.027
16	02/06/2020	12:01:34	0.027
17	02/06/2020	12:16:34	0.025
18	02/06/2020	12:31:34	0.115
19	02/06/2020	12:46:34	0.015
20	02/06/2020	13:01:34	0.016
21	02/06/2020	13:16:34	0.015

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
22	02/06/2020	13:31:34	0.017
23	02/06/2020	13:46:34	0.015
24	02/06/2020	14:01:34	0.016
25	02/06/2020	14:16:34	0.025
26	02/06/2020	14:31:34	0.055
27	02/06/2020	14:46:34	0.046
28	02/06/2020	15:01:34	0.029
29	02/06/2020	15:16:34	0.024
30	02/06/2020	15:31:34	0.033
31	02/06/2020	15:46:34	0.014

Test 025

Instrument		Data Properties	
Model	DustTrak II	Start Date	02/07/2020
Instrument S/N	8530162110	Start Time	07:28:21
		Stop Date	02/07/2020
		Stop Time	14:43:21
		Total Time	0:07:15:00
		Logging Interval	900 seconds

Statistics	
	AEROSOL
Avg	0.011 mg/m^3
Max	0.025 mg/m^3
Max Date	02/07/2020
Max Time	07:43:21
Min	0.006 mg/m^3
Min Date	02/07/2020
Min Time	10:28:21
TWA (8 hr)	0.010
TWA Start Date	02/07/2020
TWA Start Time	07:28:21
TWA End Time	14:43:21

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
1	02/07/2020	07:43:21	0.025
2	02/07/2020	07:58:21	0.015
3	02/07/2020	08:13:21	0.008
4	02/07/2020	08:28:21	0.012
5	02/07/2020	08:43:21	0.016
6	02/07/2020	08:58:21	0.013
7	02/07/2020	09:13:21	0.010
8	02/07/2020	09:28:21	0.007
9	02/07/2020	09:43:21	0.009
10	02/07/2020	09:58:21	0.009
11	02/07/2020	10:13:21	0.008
12	02/07/2020	10:28:21	0.006
13	02/07/2020	10:43:21	0.006
14	02/07/2020	10:58:21	0.010
15	02/07/2020	11:13:21	0.016
16	02/07/2020	11:28:21	0.008
17	02/07/2020	11:43:21	0.008
18	02/07/2020	11:58:21	0.009
19	02/07/2020	12:13:21	0.010
20	02/07/2020	12:28:21	0.011
21	02/07/2020	12:43:21	0.008

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
22	02/07/2020	12:58:21	0.021
23	02/07/2020	13:13:21	0.015
24	02/07/2020	13:28:21	0.011
25	02/07/2020	13:43:21	0.007
26	02/07/2020	13:58:21	0.011
27	02/07/2020	14:13:21	0.007
28	02/07/2020	14:28:21	0.014
29	02/07/2020	14:43:21	0.009

Test 026

Instrument		Data Properties	
Model	DustTrak II	Start Date	02/11/2020
Instrument S/N	8530162110	Start Time	07:11:10
		Stop Date	02/11/2020
		Stop Time	15:41:10
		Total Time	0:08:30:00
		Logging Interval	900 seconds

Statistics	
	AEROSOL
Avg	0.063 mg/m^3
Max	0.114 mg/m^3
Max Date	02/11/2020
Max Time	08:11:10
Min	0.041 mg/m^3
Min Date	02/11/2020
Min Time	09:56:10
TWA (8 hr)	0.062
TWA Start Date	02/11/2020
TWA Start Time	07:11:10
TWA End Time	15:41:10

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
1	02/11/2020	07:26:10	0.060
2	02/11/2020	07:41:10	0.047
3	02/11/2020	07:56:10	0.055
4	02/11/2020	08:11:10	0.114
5	02/11/2020	08:26:10	0.063
6	02/11/2020	08:41:10	0.060
7	02/11/2020	08:56:10	0.063
8	02/11/2020	09:11:10	0.057
9	02/11/2020	09:26:10	0.072
10	02/11/2020	09:41:10	0.046
11	02/11/2020	09:56:10	0.041
12	02/11/2020	10:11:10	0.043
13	02/11/2020	10:26:10	0.062
14	02/11/2020	10:41:10	0.050
15	02/11/2020	10:56:10	0.065
16	02/11/2020	11:11:10	0.073
17	02/11/2020	11:26:10	0.066
18	02/11/2020	11:41:10	0.074
19	02/11/2020	11:56:10	0.066
20	02/11/2020	12:11:10	0.065
21	02/11/2020	12:26:10	0.057

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
22	02/11/2020	12:41:10	0.061
23	02/11/2020	12:56:10	0.062
24	02/11/2020	13:11:10	0.059
25	02/11/2020	13:26:10	0.056
26	02/11/2020	13:41:10	0.058
27	02/11/2020	13:56:10	0.059
28	02/11/2020	14:11:10	0.057
29	02/11/2020	14:26:10	0.083
30	02/11/2020	14:41:10	0.063
31	02/11/2020	14:56:10	0.065
32	02/11/2020	15:11:10	0.067
33	02/11/2020	15:26:10	0.072
34	02/11/2020	15:41:10	0.072

Test 027

Instrument		Data Properties	
Model	DustTrak II	Start Date	02/12/2020
Instrument S/N	8530162110	Start Time	07:18:34
		Stop Date	02/12/2020
		Stop Time	15:33:34
		Total Time	0:08:15:00
		Logging Interval	900 seconds

Statistics	
	AEROSOL
Avg	0.078 mg/m^3
Max	0.179 mg/m^3
Max Date	02/12/2020
Max Time	09:03:34
Min	0.032 mg/m^3
Min Date	02/12/2020
Min Time	15:03:34
TWA (8 hr)	0.079
TWA Start Date	02/12/2020
TWA Start Time	07:18:34
TWA End Time	15:33:34

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
1	02/12/2020	07:33:34	0.037
2	02/12/2020	07:48:34	0.039
3	02/12/2020	08:03:34	0.045
4	02/12/2020	08:18:34	0.040
5	02/12/2020	08:33:34	0.043
6	02/12/2020	08:48:34	0.162
7	02/12/2020	09:03:34	0.179
8	02/12/2020	09:18:34	0.083
9	02/12/2020	09:33:34	0.064
10	02/12/2020	09:48:34	0.068
11	02/12/2020	10:03:34	0.075
12	02/12/2020	10:18:34	0.095
13	02/12/2020	10:33:34	0.131
14	02/12/2020	10:48:34	0.110
15	02/12/2020	11:03:34	0.125
16	02/12/2020	11:18:34	0.102
17	02/12/2020	11:33:34	0.124
18	02/12/2020	11:48:34	0.083
19	02/12/2020	12:03:34	0.073
20	02/12/2020	12:18:34	0.048
21	02/12/2020	12:33:34	0.046

Caused by concrete mixing from masons. NOT FROM DRILLING. An additional plywood window was open for more ventilation.

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
22	02/12/2020	12:48:34	0.076
23	02/12/2020	13:03:34	0.111
24	02/12/2020	13:18:34	0.109
25	02/12/2020	13:33:34	0.066
26	02/12/2020	13:48:34	0.061
27	02/12/2020	14:03:34	0.070
28	02/12/2020	14:18:34	0.082
29	02/12/2020	14:33:34	0.063
30	02/12/2020	14:48:34	0.045
31	02/12/2020	15:03:34	0.032
32	02/12/2020	15:18:34	0.043
33	02/12/2020	15:33:34	0.058

Test 028

Instrument		Data Properties	
Model	DustTrak II	Start Date	02/13/2020
Instrument S/N	8530162110	Start Time	07:12:57
		Stop Date	02/13/2020
		Stop Time	14:57:57
		Total Time	0:07:45:00
		Logging Interval	900 seconds

Statistics	
	AEROSOL
Avg	0.056 mg/m^3
Max	0.120 mg/m^3
Max Date	02/13/2020
Max Time	13:42:57
Min	0.032 mg/m^3
Min Date	02/13/2020
Min Time	11:42:57
TWA (8 hr)	0.054
TWA Start Date	02/13/2020
TWA Start Time	07:12:57
TWA End Time	14:57:57

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
1	02/13/2020	07:27:57	0.039
2	02/13/2020	07:42:57	0.053
3	02/13/2020	07:57:57	0.057
4	02/13/2020	08:12:57	0.040
5	02/13/2020	08:27:57	0.036
6	02/13/2020	08:42:57	0.042
7	02/13/2020	08:57:57	0.049
8	02/13/2020	09:12:57	0.056
9	02/13/2020	09:27:57	0.085
10	02/13/2020	09:42:57	0.070
11	02/13/2020	09:57:57	0.073
12	02/13/2020	10:12:57	0.053
13	02/13/2020	10:27:57	0.048
14	02/13/2020	10:42:57	0.047
15	02/13/2020	10:57:57	0.049
16	02/13/2020	11:12:57	0.053
17	02/13/2020	11:27:57	0.039
18	02/13/2020	11:42:57	0.032
19	02/13/2020	11:57:57	0.039
20	02/13/2020	12:12:57	0.038
21	02/13/2020	12:27:57	0.038

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
22	02/13/2020	12:42:57	0.057
23	02/13/2020	12:57:57	0.102
24	02/13/2020	13:12:57	0.077
25	02/13/2020	13:27:57	0.061
26	02/13/2020	13:42:57	0.120
27	02/13/2020	13:57:57	0.059
28	02/13/2020	14:12:57	0.072
29	02/13/2020	14:27:57	0.044
30	02/13/2020	14:42:57	0.047
31	02/13/2020	14:57:57	0.053

Test 029

Instrument		Data Properties	
Model	DustTrak II	Start Date	02/14/2020
Instrument S/N	8530162110	Start Time	07:37:51
		Stop Date	02/14/2020
		Stop Time	15:07:51
		Total Time	0:07:30:00
		Logging Interval	900 seconds

Statistics	
	AEROSOL
Avg	0.037 mg/m^3
Max	0.340 mg/m^3
Max Date	02/14/2020
Max Time	08:37:51
Min	0.007 mg/m^3
Min Date	02/14/2020
Min Time	11:07:51
TWA (8 hr)	0.035
TWA Start Date	02/14/2020
TWA Start Time	07:37:51
TWA End Time	15:07:51

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
1	02/14/2020	07:52:51	0.036
2	02/14/2020	08:07:51	0.170
3	02/14/2020	08:22:51	0.276
4	02/14/2020	08:37:51	0.340
5	02/14/2020	08:52:51	0.009
6	02/14/2020	09:07:51	0.008
7	02/14/2020	09:22:51	0.009
8	02/14/2020	09:37:51	0.010
9	02/14/2020	09:52:51	0.008
10	02/14/2020	10:07:51	0.008
11	02/14/2020	10:22:51	0.008
12	02/14/2020	10:37:51	0.008
13	02/14/2020	10:52:51	0.008
14	02/14/2020	11:07:51	0.007
15	02/14/2020	11:22:51	0.007
16	02/14/2020	11:37:51	0.007
17	02/14/2020	11:52:51	0.008
18	02/14/2020	12:07:51	0.008
19	02/14/2020	12:22:51	0.089
20	02/14/2020	12:37:51	0.008
21	02/14/2020	12:52:51	0.007

Caused by masons wet cutting concrete. Even though it was wet cut, the saw was still throwing up dust. A daSilva sprayed the hose on all surfaces and the dust started to decrease. Dust remained suspended in air for a while. NOT FROM DRILLING. Drilling started at 0845 because drillers were bringing in sand and equipment prior to that time.

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
22	02/14/2020	13:07:51	0.007
23	02/14/2020	13:22:51	0.009
24	02/14/2020	13:37:51	0.007
25	02/14/2020	13:52:51	0.007
26	02/14/2020	14:07:51	0.008
27	02/14/2020	14:22:51	0.008
28	02/14/2020	14:37:51	0.008
29	02/14/2020	14:52:51	0.008
30	02/14/2020	15:07:51	0.008

Test 030

Instrument		Data Properties	
Model	DustTrak II	Start Date	02/17/2020
Instrument S/N	8530162110	Start Time	07:22:40
		Stop Date	02/17/2020
		Stop Time	14:07:40
		Total Time	0:06:45:00
		Logging Interval	900 seconds

Statistics	
	AEROSOL
Avg	0.079 mg/m^3
Max	0.307 mg/m^3
Max Date	02/17/2020
Max Time	11:07:40
Min	0.021 mg/m^3
Min Date	02/17/2020
Min Time	10:07:40
TWA (8 hr)	0.066
TWA Start Date	02/17/2020
TWA Start Time	07:22:40
TWA End Time	14:07:40

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
1	02/17/2020	07:37:40	0.079
2	02/17/2020	07:52:40	0.039
3	02/17/2020	08:07:40	0.047
4	02/17/2020	08:22:40	0.063
5	02/17/2020	08:37:40	0.052
6	02/17/2020	08:52:40	0.056
7	02/17/2020	09:07:40	0.065
8	02/17/2020	09:22:40	0.035
9	02/17/2020	09:37:40	0.028
10	02/17/2020	09:52:40	0.023
11	02/17/2020	10:07:40	0.021
12	02/17/2020	10:22:40	0.032
13	02/17/2020	10:37:40	0.058
14	02/17/2020	10:52:40	0.105
15	02/17/2020	11:07:40	0.307
16	02/17/2020	11:22:40	0.193
17	02/17/2020	11:37:40	0.216
18	02/17/2020	11:52:40	0.115
19	02/17/2020	12:07:40	0.096
20	02/17/2020	12:22:40	0.029
21	02/17/2020	12:37:40	0.052

Caused by framers sweeping when laying down the wall frame lines. A daSilva opened additional plywood windows to aid in ventilation. NOT CAUSED BY DRILLING.

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
22	02/17/2020	12:52:40	0.045
23	02/17/2020	13:07:40	0.050
24	02/17/2020	13:22:40	0.070
25	02/17/2020	13:37:40	0.076
26	02/17/2020	13:52:40	0.099
27	02/17/2020	14:07:40	0.074

Test 031

Instrument		Data Properties	
Model	DustTrak II	Start Date	02/18/2020
Instrument S/N	8530162110	Start Time	07:28:50
		Stop Date	02/18/2020
		Stop Time	15:43:50
		Total Time	0:08:15:00
		Logging Interval	900 seconds

Statistics	
	AEROSOL
Avg	0.063 mg/m^3
Max	0.140 mg/m^3
Max Date	02/18/2020
Max Time	08:28:50
Min	0.021 mg/m^3
Min Date	02/18/2020
Min Time	14:43:50
TWA (8 hr)	0.064
TWA Start Date	02/18/2020
TWA Start Time	07:28:50
TWA End Time	15:43:50

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
1	02/18/2020	07:43:50	0.103
2	02/18/2020	07:58:50	0.106
3	02/18/2020	08:13:50	0.099
4	02/18/2020	08:28:50	0.140
5	02/18/2020	08:43:50	0.123
6	02/18/2020	08:58:50	0.084
7	02/18/2020	09:13:50	0.113
8	02/18/2020	09:28:50	0.103
9	02/18/2020	09:43:50	0.082
10	02/18/2020	09:58:50	0.042
11	02/18/2020	10:13:50	0.044
12	02/18/2020	10:28:50	0.056
13	02/18/2020	10:43:50	0.125
14	02/18/2020	10:58:50	0.088
15	02/18/2020	11:13:50	0.086
16	02/18/2020	11:28:50	0.088
17	02/18/2020	11:43:50	0.081
18	02/18/2020	11:58:50	0.056
19	02/18/2020	12:13:50	0.028
20	02/18/2020	12:28:50	0.028
21	02/18/2020	12:43:50	0.037

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
22	02/18/2020	12:58:50	0.048
23	02/18/2020	13:13:50	0.025
24	02/18/2020	13:28:50	0.027
25	02/18/2020	13:43:50	0.028
26	02/18/2020	13:58:50	0.023
27	02/18/2020	14:13:50	0.023
28	02/18/2020	14:28:50	0.036
29	02/18/2020	14:43:50	0.021
30	02/18/2020	14:58:50	0.046
31	02/18/2020	15:13:50	0.028
32	02/18/2020	15:28:50	0.029
33	02/18/2020	15:43:50	0.022

Test 032

Instrument		Data Properties	
Model	DustTrak II	Start Date	02/19/2020
Instrument S/N	8530162110	Start Time	07:34:31
		Stop Date	02/19/2020
		Stop Time	15:34:31
		Total Time	0:08:00:00
		Logging Interval	900 seconds

Statistics	
	AEROSOL
Avg	0.051 mg/m^3
Max	0.138 mg/m^3
Max Date	02/19/2020
Max Time	08:34:31
Min	0.018 mg/m^3
Min Date	02/19/2020
Min Time	15:04:31
TWA (8 hr)	0.051
TWA Start Date	02/19/2020
TWA Start Time	07:34:31
TWA End Time	15:34:31

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
1	02/19/2020	07:49:31	0.071
2	02/19/2020	08:04:31	0.048
3	02/19/2020	08:19:31	0.088
4	02/19/2020	08:34:31	0.138
5	02/19/2020	08:49:31	0.073
6	02/19/2020	09:04:31	0.061
7	02/19/2020	09:19:31	0.064
8	02/19/2020	09:34:31	0.043
9	02/19/2020	09:49:31	0.034
10	02/19/2020	10:04:31	0.032
11	02/19/2020	10:19:31	0.065
12	02/19/2020	10:34:31	0.106
13	02/19/2020	10:49:31	0.038
14	02/19/2020	11:04:31	0.032
15	02/19/2020	11:19:31	0.031
16	02/19/2020	11:34:31	0.039
17	02/19/2020	11:49:31	0.022
18	02/19/2020	12:04:31	0.021
19	02/19/2020	12:19:31	0.021
20	02/19/2020	12:34:31	0.019
21	02/19/2020	12:49:31	0.030

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
22	02/19/2020	13:04:31	0.044
23	02/19/2020	13:19:31	0.071
24	02/19/2020	13:34:31	0.068
25	02/19/2020	13:49:31	0.053
26	02/19/2020	14:04:31	0.061
27	02/19/2020	14:19:31	0.119
28	02/19/2020	14:34:31	0.033
29	02/19/2020	14:49:31	0.027
30	02/19/2020	15:04:31	0.018
31	02/19/2020	15:19:31	0.030
32	02/19/2020	15:34:31	0.027

Test 033

Instrument		Data Properties	
Model	DustTrak II	Start Date	02/20/2020
Instrument S/N	8530162110	Start Time	07:35:42
		Stop Date	02/20/2020
		Stop Time	15:35:42
		Total Time	0:08:00:00
		Logging Interval	900 seconds

Statistics	
	AEROSOL
Avg	0.058 mg/m^3
Max	0.176 mg/m^3
Max Date	02/20/2020
Max Time	08:20:42
Min	0.009 mg/m^3
Min Date	02/20/2020
Min Time	10:50:42
TWA (8 hr)	0.058
TWA Start Date	02/20/2020
TWA Start Time	07:35:42
TWA End Time	15:35:42

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
1	02/20/2020	07:50:42	0.155
2	02/20/2020	08:05:42	0.043
3	02/20/2020	08:20:42	0.176
4	02/20/2020	08:35:42	0.102
5	02/20/2020	08:50:42	0.074
6	02/20/2020	09:05:42	0.066
7	02/20/2020	09:20:42	0.040
8	02/20/2020	09:35:42	0.049
9	02/20/2020	09:50:42	0.036
10	02/20/2020	10:05:42	0.030
11	02/20/2020	10:20:42	0.033
12	02/20/2020	10:35:42	0.026
13	02/20/2020	10:50:42	0.009
14	02/20/2020	11:05:42	0.010
15	02/20/2020	11:20:42	0.036
16	02/20/2020	11:35:42	0.012
17	02/20/2020	11:50:42	0.022
18	02/20/2020	12:05:42	0.014
19	02/20/2020	12:20:42	0.015
20	02/20/2020	12:35:42	0.013
21	02/20/2020	12:50:42	0.065

Background reading from before drillers were on site. Most likely caused by construction workers cleaning work area in preparation for the day.

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
22	02/20/2020	13:05:42	0.023
23	02/20/2020	13:20:42	0.043
24	02/20/2020	13:35:42	0.116
25	02/20/2020	13:50:42	0.084
26	02/20/2020	14:05:42	0.047
27	02/20/2020	14:20:42	0.094
28	02/20/2020	14:35:42	0.049
29	02/20/2020	14:50:42	0.084
30	02/20/2020	15:05:42	0.118
31	02/20/2020	15:20:42	0.083
32	02/20/2020	15:35:42	0.084

Test 034

Instrument		Data Properties	
Model	DustTrak II	Start Date	02/21/2020
Instrument S/N	8530162110	Start Time	07:48:19
		Stop Date	02/21/2020
		Stop Time	14:33:19
		Total Time	0:06:45:00
		Logging Interval	900 seconds

Statistics	
	AEROSOL
Avg	0.091 mg/m^3
Max	1.550 mg/m^3
Max Date	02/21/2020
Max Time	09:18:19
Min	0.016 mg/m^3
Min Date	02/21/2020
Min Time	12:33:19
TWA (8 hr)	0.077
TWA Start Date	02/21/2020
TWA Start Time	07:48:19
TWA End Time	14:33:19

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
1	02/21/2020	08:03:19	0.018
2	02/21/2020	08:18:19	0.112
3	02/21/2020	08:33:19	0.135
4	02/21/2020	08:48:19	0.068
5	02/21/2020	09:03:19	0.047
6	02/21/2020	09:18:19	1.550
7	02/21/2020	09:33:19	0.055
8	02/21/2020	09:48:19	0.023
9	02/21/2020	10:03:19	0.030
10	02/21/2020	10:18:19	0.035
11	02/21/2020	10:33:19	0.040
12	02/21/2020	10:48:19	0.024
13	02/21/2020	11:03:19	0.030
14	02/21/2020	11:18:19	0.027
15	02/21/2020	11:33:19	0.045
16	02/21/2020	11:48:19	0.024
17	02/21/2020	12:03:19	0.022
18	02/21/2020	12:18:19	0.017
19	02/21/2020	12:33:19	0.016
20	02/21/2020	12:48:19	0.019
21	02/21/2020	13:03:19	0.017

This was caused by masons working on breaking down old exterior bricks over head of DustTrak.

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
22	02/21/2020	13:18:19	0.017
23	02/21/2020	13:33:19	0.020
24	02/21/2020	13:48:19	0.018
25	02/21/2020	14:03:19	0.019
26	02/21/2020	14:18:19	0.016
27	02/21/2020	14:33:19	0.020

Test 035

Instrument		Data Properties	
Model	DustTrak II	Start Date	02/24/2020
Instrument S/N	8530162110	Start Time	07:47:31
		Stop Date	02/24/2020
		Stop Time	15:47:31
		Total Time	0:08:00:00
		Logging Interval	900 seconds

Statistics	
	AEROSOL
Avg	0.031 mg/m^3
Max	0.064 mg/m^3
Max Date	02/24/2020
Max Time	08:02:31
Min	0.021 mg/m^3
Min Date	02/24/2020
Min Time	10:47:31
TWA (8 hr)	0.031
TWA Start Date	02/24/2020
TWA Start Time	07:47:31
TWA End Time	15:47:31

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
1	02/24/2020	08:02:31	0.064
2	02/24/2020	08:17:31	0.043
3	02/24/2020	08:32:31	0.033
4	02/24/2020	08:47:31	0.031
5	02/24/2020	09:02:31	0.023
6	02/24/2020	09:17:31	0.023
7	02/24/2020	09:32:31	0.064
8	02/24/2020	09:47:31	0.028
9	02/24/2020	10:02:31	0.057
10	02/24/2020	10:17:31	0.042
11	02/24/2020	10:32:31	0.023
12	02/24/2020	10:47:31	0.021
13	02/24/2020	11:02:31	0.022
14	02/24/2020	11:17:31	0.026
15	02/24/2020	11:32:31	0.024
16	02/24/2020	11:47:31	0.022
17	02/24/2020	12:02:31	0.030
18	02/24/2020	12:17:31	0.033
19	02/24/2020	12:32:31	0.032
20	02/24/2020	12:47:31	0.033
21	02/24/2020	13:02:31	0.029

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
22	02/24/2020	13:17:31	0.024
23	02/24/2020	13:32:31	0.035
24	02/24/2020	13:47:31	0.024
25	02/24/2020	14:02:31	0.033
26	02/24/2020	14:17:31	0.023
27	02/24/2020	14:32:31	0.025
28	02/24/2020	14:47:31	0.024
29	02/24/2020	15:02:31	0.033
30	02/24/2020	15:17:31	0.023
31	02/24/2020	15:32:31	0.022
32	02/24/2020	15:47:31	0.029

Test 036

Instrument		Data Properties	
Model	DustTrak II	Start Date	02/25/2020
Instrument S/N	8530162110	Start Time	07:42:23
		Stop Date	02/25/2020
		Stop Time	15:12:23
		Total Time	0:07:30:00
		Logging Interval	900 seconds

Statistics	
	AEROSOL
Avg	0.034 mg/m^3
Max	0.147 mg/m^3
Max Date	02/25/2020
Max Time	09:27:23
Min	0.014 mg/m^3
Min Date	02/25/2020
Min Time	10:42:23
TWA (8 hr)	0.032
TWA Start Date	02/25/2020
TWA Start Time	07:42:23
TWA End Time	15:12:23

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
1	02/25/2020	07:57:23	0.120
2	02/25/2020	08:12:23	0.045
3	02/25/2020	08:27:23	0.039
4	02/25/2020	08:42:23	0.070
5	02/25/2020	08:57:23	0.042
6	02/25/2020	09:12:23	0.018
7	02/25/2020	09:27:23	0.147
8	02/25/2020	09:42:23	0.020
9	02/25/2020	09:57:23	0.020
10	02/25/2020	10:12:23	0.015
11	02/25/2020	10:27:23	0.015
12	02/25/2020	10:42:23	0.014
13	02/25/2020	10:57:23	0.016
14	02/25/2020	11:12:23	0.017
15	02/25/2020	11:27:23	0.017
16	02/25/2020	11:42:23	0.017
17	02/25/2020	11:57:23	0.020
18	02/25/2020	12:12:23	0.026
19	02/25/2020	12:27:23	0.028
20	02/25/2020	12:42:23	0.033
21	02/25/2020	12:57:23	0.031

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
22	02/25/2020	13:12:23	0.030
23	02/25/2020	13:27:23	0.028
24	02/25/2020	13:42:23	0.036
25	02/25/2020	13:57:23	0.029
26	02/25/2020	14:12:23	0.026
27	02/25/2020	14:27:23	0.025
28	02/25/2020	14:42:23	0.024
29	02/25/2020	14:57:23	0.024
30	02/25/2020	15:12:23	0.024

Test 037

Instrument		Data Properties	
Model	DustTrak II	Start Date	02/26/2020
Instrument S/N	8530162110	Start Time	07:08:36
		Stop Date	02/26/2020
		Stop Time	15:38:36
		Total Time	0:08:30:00
		Logging Interval	900 seconds

Statistics	
	AEROSOL
Avg	0.031 mg/m^3
Max	0.043 mg/m^3
Max Date	02/26/2020
Max Time	10:23:36
Min	0.018 mg/m^3
Min Date	02/26/2020
Min Time	13:08:36
TWA (8 hr)	0.030
TWA Start Date	02/26/2020
TWA Start Time	07:08:36
TWA End Time	15:38:36

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
1	02/26/2020	07:23:36	0.027
2	02/26/2020	07:38:36	0.027
3	02/26/2020	07:53:36	0.030
4	02/26/2020	08:08:36	0.030
5	02/26/2020	08:23:36	0.031
6	02/26/2020	08:38:36	0.030
7	02/26/2020	08:53:36	0.030
8	02/26/2020	09:08:36	0.031
9	02/26/2020	09:23:36	0.030
10	02/26/2020	09:38:36	0.032
11	02/26/2020	09:53:36	0.028
12	02/26/2020	10:08:36	0.029
13	02/26/2020	10:23:36	0.043
14	02/26/2020	10:38:36	0.039
15	02/26/2020	10:53:36	0.032
16	02/26/2020	11:08:36	0.037
17	02/26/2020	11:23:36	0.030
18	02/26/2020	11:38:36	0.038
19	02/26/2020	11:53:36	0.037
20	02/26/2020	12:08:36	0.028
21	02/26/2020	12:23:36	0.023

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
22	02/26/2020	12:38:36	0.019
23	02/26/2020	12:53:36	0.019
24	02/26/2020	13:08:36	0.018
25	02/26/2020	13:23:36	0.019
26	02/26/2020	13:38:36	0.027
27	02/26/2020	13:53:36	0.025
28	02/26/2020	14:08:36	0.037
29	02/26/2020	14:23:36	0.033
30	02/26/2020	14:38:36	0.031
31	02/26/2020	14:53:36	0.033
32	02/26/2020	15:08:36	0.038
33	02/26/2020	15:23:36	0.038
34	02/26/2020	15:38:36	0.041

Test 038

Instrument		Data Properties	
Model	DustTrak II	Start Date	02/27/2020
Instrument S/N	8530162110	Start Time	07:51:01
		Stop Date	02/27/2020
		Stop Time	15:51:01
		Total Time	0:08:00:00
		Logging Interval	900 seconds

Statistics	
	AEROSOL
Avg	0.023 mg/m^3
Max	0.053 mg/m^3
Max Date	02/27/2020
Max Time	13:36:01
Min	0.011 mg/m^3
Min Date	02/27/2020
Min Time	10:06:01
TWA (8 hr)	0.023
TWA Start Date	02/27/2020
TWA Start Time	07:51:01
TWA End Time	15:51:01

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
1	02/27/2020	08:06:01	0.040
2	02/27/2020	08:21:01	0.043
3	02/27/2020	08:36:01	0.035
4	02/27/2020	08:51:01	0.021
5	02/27/2020	09:06:01	0.037
6	02/27/2020	09:21:01	0.031
7	02/27/2020	09:36:01	0.014
8	02/27/2020	09:51:01	0.016
9	02/27/2020	10:06:01	0.011
10	02/27/2020	10:21:01	0.012
11	02/27/2020	10:36:01	0.016
12	02/27/2020	10:51:01	0.014
13	02/27/2020	11:06:01	0.018
14	02/27/2020	11:21:01	0.041
15	02/27/2020	11:36:01	0.029
16	02/27/2020	11:51:01	0.029
17	02/27/2020	12:06:01	0.020
18	02/27/2020	12:21:01	0.011
19	02/27/2020	12:36:01	0.012
20	02/27/2020	12:51:01	0.019
21	02/27/2020	13:06:01	0.027

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
22	02/27/2020	13:21:01	0.017
23	02/27/2020	13:36:01	0.053
24	02/27/2020	13:51:01	0.016
25	02/27/2020	14:06:01	0.016
26	02/27/2020	14:21:01	0.018
27	02/27/2020	14:36:01	0.016
28	02/27/2020	14:51:01	0.016
29	02/27/2020	15:06:01	0.024
30	02/27/2020	15:21:01	0.016
31	02/27/2020	15:36:01	0.022
32	02/27/2020	15:51:01	0.019

Test 039

Instrument		Data Properties	
Model	DustTrak II	Start Date	02/28/2020
Instrument S/N	8530162110	Start Time	08:04:44
		Stop Date	02/28/2020
		Stop Time	15:19:44
		Total Time	0:07:15:00
		Logging Interval	900 seconds

Statistics	
	AEROSOL
Avg	0.026 mg/m^3
Max	0.061 mg/m^3
Max Date	02/28/2020
Max Time	10:04:44
Min	0.010 mg/m^3
Min Date	02/28/2020
Min Time	12:34:44
TWA (8 hr)	0.023
TWA Start Date	02/28/2020
TWA Start Time	08:04:44
TWA End Time	15:19:44

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
1	02/28/2020	08:19:44	0.043
2	02/28/2020	08:34:44	0.038
3	02/28/2020	08:49:44	0.023
4	02/28/2020	09:04:44	0.037
5	02/28/2020	09:19:44	0.055
6	02/28/2020	09:34:44	0.018
7	02/28/2020	09:49:44	0.028
8	02/28/2020	10:04:44	0.061
9	02/28/2020	10:19:44	0.019
10	02/28/2020	10:34:44	0.034
11	02/28/2020	10:49:44	0.046
12	02/28/2020	11:04:44	0.038
13	02/28/2020	11:19:44	0.011
14	02/28/2020	11:34:44	0.018
15	02/28/2020	11:49:44	0.012
16	02/28/2020	12:04:44	0.011
17	02/28/2020	12:19:44	0.015
18	02/28/2020	12:34:44	0.010
19	02/28/2020	12:49:44	0.018
20	02/28/2020	13:04:44	0.023
21	02/28/2020	13:19:44	0.036

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
22	02/28/2020	13:34:44	0.028
23	02/28/2020	13:49:44	0.012
24	02/28/2020	14:04:44	0.036
25	02/28/2020	14:19:44	0.013
26	02/28/2020	14:34:44	0.023
27	02/28/2020	14:49:44	0.017
28	02/28/2020	15:04:44	0.013
29	02/28/2020	15:19:44	0.015

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Test 054

Instrument		Data Properties	
Model	DustTrak II	Start Date	03/02/2020
Instrument S/N	8530133815	Start Time	09:12:56
		Stop Date	03/02/2020
		Stop Time	14:42:56
		Total Time	0:05:30:00
		Logging Interval	900 seconds

Statistics	
	AEROSOL
Avg	0.024 mg/m^3
Max	0.057 mg/m^3
Max Date	03/02/2020
Max Time	12:27:56
Min	0.018 mg/m^3
Min Date	03/02/2020
Min Time	12:42:56
TWA (8 hr)	0.017
TWA Start Date	03/02/2020
TWA Start Time	09:12:56
TWA End Time	14:42:56

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
1	03/02/2020	09:27:56	0.022
2	03/02/2020	09:42:56	0.021
3	03/02/2020	09:57:56	0.020
4	03/02/2020	10:12:56	0.022
5	03/02/2020	10:27:56	0.026
6	03/02/2020	10:42:56	0.025
7	03/02/2020	10:57:56	0.025
8	03/02/2020	11:12:56	0.024
9	03/02/2020	11:27:56	0.026
10	03/02/2020	11:42:56	0.026
11	03/02/2020	11:57:56	0.025
12	03/02/2020	12:12:56	0.024
13	03/02/2020	12:27:56	0.057
14	03/02/2020	12:42:56	0.018
15	03/02/2020	12:57:56	0.021
16	03/02/2020	13:12:56	0.023
17	03/02/2020	13:27:56	0.020
18	03/02/2020	13:42:56	0.020
19	03/02/2020	13:57:56	0.020
20	03/02/2020	14:12:56	0.022
21	03/02/2020	14:27:56	0.023
22	03/02/2020	14:42:56	0.027

Test 055

Instrument		Data Properties	
Model	DustTrak II	Start Date	03/03/2020
Instrument S/N	8530133815	Start Time	07:42:45
		Stop Date	03/03/2020
		Stop Time	15:57:45
		Total Time	0:08:15:00
		Logging Interval	900 seconds

Statistics	
	AEROSOL
Avg	0.039 mg/m^3
Max	0.062 mg/m^3
Max Date	03/03/2020
Max Time	11:27:45
Min	0.017 mg/m^3
Min Date	03/03/2020
Min Time	15:57:45
TWA (8 hr)	0.040
TWA Start Date	03/03/2020
TWA Start Time	07:42:45
TWA End Time	15:57:45

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
1	03/03/2020	07:57:45	0.056
2	03/03/2020	08:12:45	0.059
3	03/03/2020	08:27:45	0.060
4	03/03/2020	08:42:45	0.058
5	03/03/2020	08:57:45	0.058
6	03/03/2020	09:12:45	0.050
7	03/03/2020	09:27:45	0.048
8	03/03/2020	09:42:45	0.045
9	03/03/2020	09:57:45	0.047
10	03/03/2020	10:12:45	0.045
11	03/03/2020	10:27:45	0.044
12	03/03/2020	10:42:45	0.040
13	03/03/2020	10:57:45	0.037
14	03/03/2020	11:12:45	0.035
15	03/03/2020	11:27:45	0.062
16	03/03/2020	11:42:45	0.053
17	03/03/2020	11:57:45	0.037
18	03/03/2020	12:12:45	0.027
19	03/03/2020	12:27:45	0.026
20	03/03/2020	12:42:45	0.053
21	03/03/2020	12:57:45	0.030

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
22	03/03/2020	13:12:45	0.028
23	03/03/2020	13:27:45	0.026
24	03/03/2020	13:42:45	0.024
25	03/03/2020	13:57:45	0.025
26	03/03/2020	14:12:45	0.026
27	03/03/2020	14:27:45	0.034
28	03/03/2020	14:42:45	0.028
29	03/03/2020	14:57:45	0.049
30	03/03/2020	15:12:45	0.023
31	03/03/2020	15:27:45	0.029
32	03/03/2020	15:42:45	0.020
33	03/03/2020	15:57:45	0.017

Test 056

Instrument		Data Properties	
Model	DustTrak II	Start Date	03/04/2020
Instrument S/N	8530133815	Start Time	07:53:37
		Stop Date	03/04/2020
		Stop Time	15:23:37
		Total Time	0:07:30:00
		Logging Interval	900 seconds

Statistics	
	AEROSOL
Avg	0.027 mg/m^3
Max	0.060 mg/m^3
Max Date	03/04/2020
Max Time	09:08:37
Min	0.013 mg/m^3
Min Date	03/04/2020
Min Time	12:38:37
TWA (8 hr)	0.025
TWA Start Date	03/04/2020
TWA Start Time	07:53:37
TWA End Time	15:23:37

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
1	03/04/2020	08:08:37	0.035
2	03/04/2020	08:23:37	0.037
3	03/04/2020	08:38:37	0.030
4	03/04/2020	08:53:37	0.032
5	03/04/2020	09:08:37	0.060
6	03/04/2020	09:23:37	0.046
7	03/04/2020	09:38:37	0.029
8	03/04/2020	09:53:37	0.023
9	03/04/2020	10:08:37	0.025
10	03/04/2020	10:23:37	0.024
11	03/04/2020	10:38:37	0.030
12	03/04/2020	10:53:37	0.031
13	03/04/2020	11:08:37	0.024
14	03/04/2020	11:23:37	0.020
15	03/04/2020	11:38:37	0.021
16	03/04/2020	11:53:37	0.017
17	03/04/2020	12:08:37	0.039
18	03/04/2020	12:23:37	0.024
19	03/04/2020	12:38:37	0.013
20	03/04/2020	12:53:37	0.020
21	03/04/2020	13:08:37	0.029

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
22	03/04/2020	13:23:37	0.040
23	03/04/2020	13:38:37	0.017
24	03/04/2020	13:53:37	0.020
25	03/04/2020	14:08:37	0.019
26	03/04/2020	14:23:37	0.021
27	03/04/2020	14:38:37	0.022
28	03/04/2020	14:53:37	0.022
29	03/04/2020	15:08:37	0.021
30	03/04/2020	15:23:37	0.016

Test 057

Instrument	
Model	DustTrak II
Instrument S/N	8530133815

Data Properties	
Start Date	03/05/2020
Start Time	07:40:16
Stop Date	03/05/2020
Stop Time	12:55:16
Total Time	0:05:15:00
Logging Interval	900 seconds

Statistics	
	AEROSOL
Avg	0.016 mg/m^3
Max	0.031 mg/m^3
Max Date	03/05/2020
Max Time	11:10:16
Min	0.010 mg/m^3
Min Date	03/05/2020
Min Time	08:55:16
TWA (8 hr)	0.011
TWA Start Date	03/05/2020
TWA Start Time	07:40:16
TWA End Time	12:55:16

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
1	03/05/2020	07:55:16	0.020
2	03/05/2020	08:10:16	0.015
3	03/05/2020	08:25:16	0.014
4	03/05/2020	08:40:16	0.011
5	03/05/2020	08:55:16	0.010
6	03/05/2020	09:10:16	0.016
7	03/05/2020	09:25:16	0.016
8	03/05/2020	09:40:16	0.014
9	03/05/2020	09:55:16	0.010
10	03/05/2020	10:10:16	0.019
11	03/05/2020	10:25:16	0.015
12	03/05/2020	10:40:16	0.020
13	03/05/2020	10:55:16	0.017
14	03/05/2020	11:10:16	0.031
15	03/05/2020	11:25:16	0.022
16	03/05/2020	11:40:16	0.014
17	03/05/2020	11:55:16	0.018
18	03/05/2020	12:10:16	0.019
19	03/05/2020	12:25:16	0.011
20	03/05/2020	12:40:16	0.011
21	03/05/2020	12:55:16	0.016

Test 001

Instrument		Data Properties	
Model	DustTrak II	Start Date	04/02/2020
Instrument S/N	8530182201	Start Time	07:22:02
		Stop Date	04/02/2020
		Stop Time	15:52:02
		Total Time	0:08:30:00
		Logging Interval	900 seconds

Statistics	
	AEROSOL
Avg	0.016 mg/m^3
Max	0.041 mg/m^3
Max Date	04/02/2020
Max Time	07:37:02
Min	0.006 mg/m^3
Min Date	04/02/2020
Min Time	12:22:02
TWA (8 hr)	0.016
TWA Start Date	04/02/2020
TWA Start Time	07:22:02
TWA End Time	15:52:02

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
1	04/02/2020	07:37:02	0.041
2	04/02/2020	07:52:02	0.033
3	04/02/2020	08:07:02	0.036
4	04/02/2020	08:22:02	0.022
5	04/02/2020	08:37:02	0.018
6	04/02/2020	08:52:02	0.014
7	04/02/2020	09:07:02	0.012
8	04/02/2020	09:22:02	0.011
9	04/02/2020	09:37:02	0.009
10	04/02/2020	09:52:02	0.009
11	04/02/2020	10:07:02	0.008
12	04/02/2020	10:22:02	0.008
13	04/02/2020	10:37:02	0.010
14	04/02/2020	10:52:02	0.009
15	04/02/2020	11:07:02	0.012
16	04/02/2020	11:22:02	0.011
17	04/02/2020	11:37:02	0.025
18	04/02/2020	11:52:02	0.012
19	04/02/2020	12:07:02	0.007
20	04/02/2020	12:22:02	0.006
21	04/02/2020	12:37:02	0.006

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
22	04/02/2020	12:52:02	0.007
23	04/02/2020	13:07:02	0.009
24	04/02/2020	13:22:02	0.019
25	04/02/2020	13:37:02	0.012
26	04/02/2020	13:52:02	0.021
27	04/02/2020	14:07:02	0.025
28	04/02/2020	14:22:02	0.028
29	04/02/2020	14:37:02	0.027
30	04/02/2020	14:52:02	0.022
31	04/02/2020	15:07:02	0.016
32	04/02/2020	15:22:02	0.014
33	04/02/2020	15:37:02	0.018
34	04/02/2020	15:52:02	0.012

Test 002

Instrument		Data Properties	
Model	DustTrak II	Start Date	04/03/2020
Instrument S/N	8530182201	Start Time	07:04:33
		Stop Date	04/03/2020
		Stop Time	15:19:33
		Total Time	0:08:15:00
		Logging Interval	900 seconds

Statistics	
	AEROSOL
Avg	0.020 mg/m^3
Max	0.039 mg/m^3
Max Date	04/03/2020
Max Time	11:34:33
Min	0.009 mg/m^3
Min Date	04/03/2020
Min Time	15:19:33
TWA (8 hr)	0.020
TWA Start Date	04/03/2020
TWA Start Time	07:04:33
TWA End Time	15:19:33

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
1	04/03/2020	07:19:33	0.031
2	04/03/2020	07:34:33	0.016
3	04/03/2020	07:49:33	0.013
4	04/03/2020	08:04:33	0.036
5	04/03/2020	08:19:33	0.037
6	04/03/2020	08:34:33	0.027
7	04/03/2020	08:49:33	0.017
8	04/03/2020	09:04:33	0.026
9	04/03/2020	09:19:33	0.017
10	04/03/2020	09:34:33	0.017
11	04/03/2020	09:49:33	0.014
12	04/03/2020	10:04:33	0.015
13	04/03/2020	10:19:33	0.020
14	04/03/2020	10:34:33	0.022
15	04/03/2020	10:49:33	0.028
16	04/03/2020	11:04:33	0.027
17	04/03/2020	11:19:33	0.027
18	04/03/2020	11:34:33	0.039
19	04/03/2020	11:49:33	0.017
20	04/03/2020	12:04:33	0.014
21	04/03/2020	12:19:33	0.013

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
22	04/03/2020	12:34:33	0.014
23	04/03/2020	12:49:33	0.014
24	04/03/2020	13:04:33	0.015
25	04/03/2020	13:19:33	0.014
26	04/03/2020	13:34:33	0.010
27	04/03/2020	13:49:33	0.010
28	04/03/2020	14:04:33	0.011
29	04/03/2020	14:19:33	0.019
30	04/03/2020	14:34:33	0.032
31	04/03/2020	14:49:33	0.030
32	04/03/2020	15:04:33	0.011
33	04/03/2020	15:19:33	0.009

Test 003

Instrument		Data Properties	
Model	DustTrak II	Start Date	04/03/2020
Instrument S/N	8530182201	Start Time	16:23:53
		Stop Date	04/03/2020
		Stop Time	17:38:53
		Total Time	0:01:15:00
		Logging Interval	900 seconds

Statistics	
	AEROSOL
Avg	0.007 mg/m^3
Max	0.008 mg/m^3
Max Date	04/03/2020
Max Time	17:38:53
Min	0.007 mg/m^3
Min Date	04/03/2020
Min Time	16:38:53
TWA (8 hr)	0.001
TWA Start Date	04/03/2020
TWA Start Time	16:23:53
TWA End Time	17:38:53

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
1	04/03/2020	16:38:53	0.007
2	04/03/2020	16:53:53	0.007
3	04/03/2020	17:08:53	0.007
4	04/03/2020	17:23:53	0.007
5	04/03/2020	17:38:53	0.008

Test 004

Instrument		Data Properties	
Model	DustTrak II	Start Date	04/04/2020
Instrument S/N	8530182201	Start Time	06:55:20
		Stop Date	04/04/2020
		Stop Time	14:10:20
		Total Time	0:07:15:00
		Logging Interval	900 seconds

Statistics	
	AEROSOL
Avg	0.023 mg/m^3
Max	0.033 mg/m^3
Max Date	04/04/2020
Max Time	09:55:20
Min	0.017 mg/m^3
Min Date	04/04/2020
Min Time	11:10:20
TWA (8 hr)	0.021
TWA Start Date	04/04/2020
TWA Start Time	06:55:20
TWA End Time	14:10:20

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
1	04/04/2020	07:10:20	0.023
2	04/04/2020	07:25:20	0.024
3	04/04/2020	07:40:20	0.028
4	04/04/2020	07:55:20	0.028
5	04/04/2020	08:10:20	0.025
6	04/04/2020	08:25:20	0.021
7	04/04/2020	08:40:20	0.020
8	04/04/2020	08:55:20	0.020
9	04/04/2020	09:10:20	0.022
10	04/04/2020	09:25:20	0.025
11	04/04/2020	09:40:20	0.028
12	04/04/2020	09:55:20	0.033
13	04/04/2020	10:10:20	0.028
14	04/04/2020	10:25:20	0.028
15	04/04/2020	10:40:20	0.025
16	04/04/2020	10:55:20	0.021
17	04/04/2020	11:10:20	0.017
18	04/04/2020	11:25:20	0.021
19	04/04/2020	11:40:20	0.022
20	04/04/2020	11:55:20	0.021
21	04/04/2020	12:10:20	0.021

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
22	04/04/2020	12:25:20	0.022
23	04/04/2020	12:40:20	0.022
24	04/04/2020	12:55:20	0.022
25	04/04/2020	13:10:20	0.020
26	04/04/2020	13:25:20	0.020
27	04/04/2020	13:40:20	0.026
28	04/04/2020	13:55:20	0.021
29	04/04/2020	14:10:20	0.022

Test 005

Instrument		Data Properties	
Model	DustTrak II	Start Date	04/06/2020
Instrument S/N	8530182201	Start Time	07:19:25
		Stop Date	04/06/2020
		Stop Time	15:34:25
		Total Time	0:08:15:00
		Logging Interval	900 seconds

Statistics	
	AEROSOL
Avg	0.020 mg/m^3
Max	0.038 mg/m^3
Max Date	04/06/2020
Max Time	08:34:25
Min	0.011 mg/m^3
Min Date	04/06/2020
Min Time	13:49:25
TWA (8 hr)	0.020
TWA Start Date	04/06/2020
TWA Start Time	07:19:25
TWA End Time	15:34:25

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
1	04/06/2020	07:34:25	0.023
2	04/06/2020	07:49:25	0.029
3	04/06/2020	08:04:25	0.019
4	04/06/2020	08:19:25	0.028
5	04/06/2020	08:34:25	0.038
6	04/06/2020	08:49:25	0.022
7	04/06/2020	09:04:25	0.020
8	04/06/2020	09:19:25	0.019
9	04/06/2020	09:34:25	0.038
10	04/06/2020	09:49:25	0.035
11	04/06/2020	10:04:25	0.017
12	04/06/2020	10:19:25	0.021
13	04/06/2020	10:34:25	0.023
14	04/06/2020	10:49:25	0.025
15	04/06/2020	11:04:25	0.017
16	04/06/2020	11:19:25	0.038
17	04/06/2020	11:34:25	0.013
18	04/06/2020	11:49:25	0.015
19	04/06/2020	12:04:25	0.014
20	04/06/2020	12:19:25	0.015
21	04/06/2020	12:34:25	0.013

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
22	04/06/2020	12:49:25	0.014
23	04/06/2020	13:04:25	0.026
24	04/06/2020	13:19:25	0.016
25	04/06/2020	13:34:25	0.012
26	04/06/2020	13:49:25	0.011
27	04/06/2020	14:04:25	0.011
28	04/06/2020	14:19:25	0.011
29	04/06/2020	14:34:25	0.012
30	04/06/2020	14:49:25	0.014
31	04/06/2020	15:04:25	0.012
32	04/06/2020	15:19:25	0.016
33	04/06/2020	15:34:25	0.015

Test 006

Instrument		Data Properties	
Model	DustTrak II	Start Date	04/07/2020
Instrument S/N	8530182201	Start Time	07:05:47
		Stop Date	04/07/2020
		Stop Time	15:05:47
		Total Time	0:08:00:00
		Logging Interval	900 seconds

Statistics	
	AEROSOL
Avg	0.026 mg/m^3
Max	0.059 mg/m^3
Max Date	04/07/2020
Max Time	12:05:47
Min	0.015 mg/m^3
Min Date	04/07/2020
Min Time	12:35:47
TWA (8 hr)	0.026
TWA Start Date	04/07/2020
TWA Start Time	07:05:47
TWA End Time	15:05:47

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
1	04/07/2020	07:20:47	0.026
2	04/07/2020	07:35:47	0.032
3	04/07/2020	07:50:47	0.025
4	04/07/2020	08:05:47	0.024
5	04/07/2020	08:20:47	0.024
6	04/07/2020	08:35:47	0.058
7	04/07/2020	08:50:47	0.028
8	04/07/2020	09:05:47	0.026
9	04/07/2020	09:20:47	0.028
10	04/07/2020	09:35:47	0.043
11	04/07/2020	09:50:47	0.020
12	04/07/2020	10:05:47	0.023
13	04/07/2020	10:20:47	0.033
14	04/07/2020	10:35:47	0.017
15	04/07/2020	10:50:47	0.023
16	04/07/2020	11:05:47	0.029
17	04/07/2020	11:20:47	0.019
18	04/07/2020	11:35:47	0.020
19	04/07/2020	11:50:47	0.047
20	04/07/2020	12:05:47	0.059
21	04/07/2020	12:20:47	0.031

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
22	04/07/2020	12:35:47	0.015
23	04/07/2020	12:50:47	0.022
24	04/07/2020	13:05:47	0.015
25	04/07/2020	13:20:47	0.016
26	04/07/2020	13:35:47	0.017
27	04/07/2020	13:50:47	0.017
28	04/07/2020	14:05:47	0.020
29	04/07/2020	14:20:47	0.019
30	04/07/2020	14:35:47	0.016
31	04/07/2020	14:50:47	0.017
32	04/07/2020	15:05:47	0.015

Test 007

Instrument		Data Properties	
Model	DustTrak II	Start Date	04/08/2020
Instrument S/N	8530182201	Start Time	07:10:29
		Stop Date	04/08/2020
		Stop Time	14:55:29
		Total Time	0:07:45:00
		Logging Interval	900 seconds

Statistics	
	AEROSOL
Avg	0.026 mg/m^3
Max	0.077 mg/m^3
Max Date	04/08/2020
Max Time	14:55:29
Min	0.018 mg/m^3
Min Date	04/08/2020
Min Time	07:25:29
TWA (8 hr)	0.025
TWA Start Date	04/08/2020
TWA Start Time	07:10:29
TWA End Time	14:55:29

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
1	04/08/2020	07:25:29	0.018
2	04/08/2020	07:40:29	0.018
3	04/08/2020	07:55:29	0.018
4	04/08/2020	08:10:29	0.027
5	04/08/2020	08:25:29	0.020
6	04/08/2020	08:40:29	0.024
7	04/08/2020	08:55:29	0.027
8	04/08/2020	09:10:29	0.023
9	04/08/2020	09:25:29	0.026
10	04/08/2020	09:40:29	0.023
11	04/08/2020	09:55:29	0.021
12	04/08/2020	10:10:29	0.019
13	04/08/2020	10:25:29	0.018
14	04/08/2020	10:40:29	0.019
15	04/08/2020	10:55:29	0.024
16	04/08/2020	11:10:29	0.024
17	04/08/2020	11:25:29	0.018
18	04/08/2020	11:40:29	0.028
19	04/08/2020	11:55:29	0.018
20	04/08/2020	12:10:29	0.021
21	04/08/2020	12:25:29	0.019

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
22	04/08/2020	12:40:29	0.022
23	04/08/2020	12:55:29	0.023
24	04/08/2020	13:10:29	0.025
25	04/08/2020	13:25:29	0.036
26	04/08/2020	13:40:29	0.030
27	04/08/2020	13:55:29	0.034
28	04/08/2020	14:10:29	0.036
29	04/08/2020	14:25:29	0.033
30	04/08/2020	14:40:29	0.028
31	04/08/2020	14:55:29	0.077

Test 008

Instrument		Data Properties	
Model	DustTrak II	Start Date	04/13/2020
Instrument S/N	8530182201	Start Time	07:12:51
		Stop Date	04/13/2020
		Stop Time	10:57:51
		Total Time	0:03:45:00
		Logging Interval	900 seconds

Statistics	
	AEROSOL
Avg	0.013 mg/m^3
Max	0.045 mg/m^3
Max Date	04/13/2020
Max Time	08:27:51
Min	0.004 mg/m^3
Min Date	04/13/2020
Min Time	07:27:51
TWA (8 hr)	0.006
TWA Start Date	04/13/2020
TWA Start Time	07:12:51
TWA End Time	10:57:51

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
1	04/13/2020	07:27:51	0.004
2	04/13/2020	07:42:51	0.009
3	04/13/2020	07:57:51	0.006
4	04/13/2020	08:12:51	0.005
5	04/13/2020	08:27:51	0.045
6	04/13/2020	08:42:51	0.013
7	04/13/2020	08:57:51	0.010
8	04/13/2020	09:12:51	0.020
9	04/13/2020	09:27:51	0.021
10	04/13/2020	09:42:51	0.014
11	04/13/2020	09:57:51	0.006
12	04/13/2020	10:12:51	0.009
13	04/13/2020	10:27:51	0.007
14	04/13/2020	10:42:51	0.009
15	04/13/2020	10:57:51	0.021

Test 009

Instrument		Data Properties	
Model	DustTrak II	Start Date	04/14/2020
Instrument S/N	8530182201	Start Time	06:55:32
		Stop Date	04/14/2020
		Stop Time	15:10:32
		Total Time	0:08:15:00
		Logging Interval	900 seconds

Statistics	
	AEROSOL
Avg	0.025 mg/m^3
Max	0.102 mg/m^3
Max Date	04/14/2020
Max Time	15:10:32
Min	0.013 mg/m^3
Min Date	04/14/2020
Min Time	09:40:32
TWA (8 hr)	0.022
TWA Start Date	04/14/2020
TWA Start Time	06:55:32
TWA End Time	15:10:32

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
1	04/14/2020	07:10:32	0.031
2	04/14/2020	07:25:32	0.018
3	04/14/2020	07:40:32	0.016
4	04/14/2020	07:55:32	0.041
5	04/14/2020	08:10:32	0.026
6	04/14/2020	08:25:32	0.022
7	04/14/2020	08:40:32	0.026
8	04/14/2020	08:55:32	0.024
9	04/14/2020	09:10:32	0.022
10	04/14/2020	09:25:32	0.019
11	04/14/2020	09:40:32	0.013
12	04/14/2020	09:55:32	0.017
13	04/14/2020	10:10:32	0.018
14	04/14/2020	10:25:32	0.032
15	04/14/2020	10:40:32	0.024
16	04/14/2020	10:55:32	0.024
17	04/14/2020	11:10:32	0.018
18	04/14/2020	11:25:32	0.022
19	04/14/2020	11:40:32	0.021
20	04/14/2020	11:55:32	0.019
21	04/14/2020	12:10:32	0.014

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
22	04/14/2020	12:25:32	0.013
23	04/14/2020	12:40:32	0.015
24	04/14/2020	12:55:32	0.021
25	04/14/2020	13:10:32	0.017
26	04/14/2020	13:25:32	0.036
27	04/14/2020	13:40:32	0.019
28	04/14/2020	13:55:32	0.032
29	04/14/2020	14:10:32	0.020
30	04/14/2020	14:25:32	0.025
31	04/14/2020	14:40:32	0.032
32	04/14/2020	14:55:32	0.021
33	04/14/2020	15:10:32	0.102

Test 010

Instrument	
Model	DustTrak II
Instrument S/N	8530182201

Data Properties	
Start Date	04/15/2020
Start Time	07:02:26
Stop Date	04/15/2020
Stop Time	12:17:26
Total Time	0:05:15:00
Logging Interval	900 seconds

Statistics	
	AEROSOL
Avg	0.034 mg/m^3
Max	0.064 mg/m^3
Max Date	04/15/2020
Max Time	10:47:26
Min	0.024 mg/m^3
Min Date	04/15/2020
Min Time	09:17:26
TWA (8 hr)	0.022
TWA Start Date	04/15/2020
TWA Start Time	07:02:26
TWA End Time	12:17:26

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
1	04/15/2020	07:17:26	0.025
2	04/15/2020	07:32:26	0.030
3	04/15/2020	07:47:26	0.026
4	04/15/2020	08:02:26	0.027
5	04/15/2020	08:17:26	0.025
6	04/15/2020	08:32:26	0.031
7	04/15/2020	08:47:26	0.028
8	04/15/2020	09:02:26	0.025
9	04/15/2020	09:17:26	0.024
10	04/15/2020	09:32:26	0.042
11	04/15/2020	09:47:26	0.024
12	04/15/2020	10:02:26	0.035
13	04/15/2020	10:17:26	0.049
14	04/15/2020	10:32:26	0.052
15	04/15/2020	10:47:26	0.064
16	04/15/2020	11:02:26	0.033
17	04/15/2020	11:17:26	0.043
18	04/15/2020	11:32:26	0.028
19	04/15/2020	11:47:26	0.031
20	04/15/2020	12:02:26	0.042
21	04/15/2020	12:17:26	0.025

Doorway (Outside Workzone) PID Data

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20/01/16 08:51

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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-912827
Unit Firmw	V2.20A

Running M	Hygiene Mode
Datalog Mc	Auto
Diagnostic	No
Stop Reaso	Battery Low

Site ID	12345678
User ID	12345678

Begin	1/16/2020 8:51
End	1/16/2020 10:07
Sample Per	900
Number of	5

Sensor	PID(ppm)
Sensor SN	S023030007U9
Measure T	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurem	Isobutylene
Calibration	1/3/2020 13:23
Peak	0
Min	0
Average	0

****

Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	1/16/2020 9:06	0	0	0
2	1/16/2020 9:21	0	0	0
3	1/16/2020 9:36	0	0	0
4	1/16/2020 9:51	0	0	0
5	1/16/2020 10:06	0	0	0

Peak	0	0	0
Min	0	0	0
Average	0	0	0

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	1/16/2020 9:06	0	0
2	1/16/2020 9:21	0	0
3	1/16/2020 9:36	0	0
4	1/16/2020 9:51	0	0
5	1/16/2020 10:06	0	0

Complete Doorway PID Data

Note that the Doorway PID was placed inside the building near the north central doorway through the dates 1/20/2020 to 2/20/2020 and outside near the north east doorway from the dates 2/21/2020 to 3/5/2020. PID batteries drained quickly and equipment was periodically changed, causing gaps in some of the data.

****Please refer to the field notebook for more detailed explanations on any exceedances. or spikes in readings****

January 2020
Doorway PID Data

==========
20/01/20 07:16
****
Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-907676
Unit Firmware Ver	V2.20A
Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down
Site ID	12345678
User ID	12345678
Begin	1/20/2020 7:16
End	1/20/2020 8:44
Sample Period(s)	900
Number of Records	5
Sensor	PID(ppm)
Sensor SN	S023030130U6
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	12/27/2019 14:06
Peak	0
Min	0
Average	0

****
Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	1/20/2020 7:31	0	0	0
2	1/20/2020 7:46	0	0	0
3	1/20/2020 8:01	0	0	0
4	1/20/2020 8:16	0	0	0
5	1/20/2020 8:31	0	0	0

Peak	0	0	0
Min	0	0	0
Average	0	0	0

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	1/20/2020 7:31	0	0
2	1/20/2020 7:46	0	0
3	1/20/2020 8:01	0	0
4	1/20/2020 8:16	0	0
5	1/20/2020 8:31	0	0

==========
20/01/20 11:34
****
Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-907676
Unit Firmware Ver	V2.20A
Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down
Site ID	12345678
User ID	12345678
Begin	1/20/2020 11:34
End	1/20/2020 15:42
Sample Period(s)	900
Number of Records	16
Sensor	PID(ppm)
Sensor SN	S023030130U6
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	12/27/2019 14:06
Peak	0
Min	0
Average	0

****
Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	1/20/2020 11:49	0	0	0
2	1/20/2020 12:04	0	0	0
3	1/20/2020 12:19	0	0	0
4	1/20/2020 12:34	0	0	0
5	1/20/2020 12:49	0	0	0

6	1/20/2020 13:04	0	0	0
7	1/20/2020 13:19	0	0	0
8	1/20/2020 13:34	0	0	0
9	1/20/2020 13:49	0	0	0
10	1/20/2020 14:04	0	0	0
11	1/20/2020 14:19	0	0	0
12	1/20/2020 14:34	0	0	0
13	1/20/2020 14:49	0	0	0
14	1/20/2020 15:04	0	0	0
15	1/20/2020 15:19	0	0	0
16	1/20/2020 15:34	0	0	0
Peak		0	0	0
Min		0	0	0
Average		0	0	0

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	1/20/2020 11:49	0	0
2	1/20/2020 12:04	0	0
3	1/20/2020 12:19	0	0
4	1/20/2020 12:34	0	0
5	1/20/2020 12:49	0	0
6	1/20/2020 13:04	0	0
7	1/20/2020 13:19	0	0
8	1/20/2020 13:34	0	0
9	1/20/2020 13:49	0	0
10	1/20/2020 14:04	0	0
11	1/20/2020 14:19	0	0
12	1/20/2020 14:34	0	0
13	1/20/2020 14:49	0	0
14	1/20/2020 15:04	0	0
15	1/20/2020 15:19	0	0
16	1/20/2020 15:34	0	0

==========
20/01/21 07:23
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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-907676
Unit Firmware Ver	V2.20A
Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down
Site ID	12345678
User ID	12345678
Begin	1/21/2020 7:23
End	1/21/2020 15:29
Sample Period(s)	900
Number of Records	32
Sensor	PID(ppm)
Sensor SN	S023030130U6
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	12/27/2019 14:06
Peak	0.5
Min	0
Average	0

****
Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	1/21/2020 7:38	0	0	0
2	1/21/2020 7:53	0	0	0
3	1/21/2020 8:08	0	0	0
4	1/21/2020 8:23	0	0	0
5	1/21/2020 8:38	0	0	0

6	1/21/2020 8:53	0	0	0
7	1/21/2020 9:08	0	0	0
8	1/21/2020 9:23	0	0	0
9	1/21/2020 9:38	0	0	0
10	1/21/2020 9:53	0	0	0
11	1/21/2020 10:08	0	0	0
12	1/21/2020 10:23	0	0	0
13	1/21/2020 10:38	0	0	0
14	1/21/2020 10:53	0	0	0
15	1/21/2020 11:08	0	0	0
16	1/21/2020 11:23	0	0	0
17	1/21/2020 11:38	0	0	0
18	1/21/2020 11:53	0	0	0
19	1/21/2020 12:08	0	0	0
20	1/21/2020 12:23	0	0	0
21	1/21/2020 12:38	0	0	0
22	1/21/2020 12:53	0	0	0
23	1/21/2020 13:08	0	0	0
24	1/21/2020 13:23	0.2	12.2	0
25	1/21/2020 13:38	0	0	0
26	1/21/2020 13:53	0	0	0
27	1/21/2020 14:08	0	0	0
28	1/21/2020 14:23	0.7	48.4	0.5
29	1/21/2020 14:38	0.1	3.6	0
30	1/21/2020 14:53	0	0	0
31	1/21/2020 15:08	0	0	0
32	1/21/2020 15:23	0	0	0
Peak		0.7	48.4	0.5
Min		0	0	0
Average		0	2	0

Caused by exhaust from Rig. Next day drillers brought in a vent snake. Rig was shut down if it passed 5ppm on PID or if it passed 18ppm CO on 4 gas meter.

Caused by exhaust from Rig. Next day drillers brought in a vent snake. Rig was shut down if it passed 5ppm on PID or if it passed 18ppm CO on 4 gas meter.

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	1/21/2020 7:38	0	0
2	1/21/2020 7:53	0	0
3	1/21/2020 8:08	0	0
4	1/21/2020 8:23	0	0
5	1/21/2020 8:38	0	0
6	1/21/2020 8:53	0	0
7	1/21/2020 9:08	0	0
8	1/21/2020 9:23	0	0
9	1/21/2020 9:38	0	0
10	1/21/2020 9:53	0	0
11	1/21/2020 10:08	0	0
12	1/21/2020 10:23	0	0

13	1/21/2020 10:38	0	0
14	1/21/2020 10:53	0	0
15	1/21/2020 11:08	0	0
16	1/21/2020 11:23	0	0
17	1/21/2020 11:38	0	0
18	1/21/2020 11:53	0	0
19	1/21/2020 12:08	0	0
20	1/21/2020 12:23	0	0
21	1/21/2020 12:38	0	0
22	1/21/2020 12:53	0	0
23	1/21/2020 13:08	0	0
24	1/21/2020 13:23	0	0
25	1/21/2020 13:38	0	0
26	1/21/2020 13:53	0	0
27	1/21/2020 14:08	0	0
28	1/21/2020 14:23	0	0.5
29	1/21/2020 14:38	0	0.5
30	1/21/2020 14:53	0	0
31	1/21/2020 15:08	0	0
32	1/21/2020 15:23	0	0

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20/01/22 07:51

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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-907676
Unit Firmware Ver	V2.20A

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	12345678
User ID	12345678

Begin	1/22/2020 7:51
End	1/22/2020 15:37
Sample Period(s)	900
Number of Records	31

Sensor	PID(ppm)
Sensor SN	S023030130U6
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	12/27/2019 14:06
Peak	0
Min	0
Average	0

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Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	1/22/2020 8:06	0	0	0
2	1/22/2020 8:21	0	0	0
3	1/22/2020 8:36	0	0	0
4	1/22/2020 8:51	0	0	0
5	1/22/2020 9:06	0	0	0
6	1/22/2020 9:21	0	0	0
7	1/22/2020 9:36	0	0	0

8	1/22/2020 9:51	0	0	0
9	1/22/2020 10:06	0	0	0
10	1/22/2020 10:21	0	0	0
11	1/22/2020 10:36	0	0	0
12	1/22/2020 10:51	0	0	0
13	1/22/2020 11:06	0	0	0
14	1/22/2020 11:21	0	0	0
15	1/22/2020 11:36	0	0	0
16	1/22/2020 11:51	0	0	0
17	1/22/2020 12:06	0	0	0
18	1/22/2020 12:21	0	0	0
19	1/22/2020 12:36	0	0	0
20	1/22/2020 12:51	0	0	0
21	1/22/2020 13:06	0	0	0
22	1/22/2020 13:21	0	0	0
23	1/22/2020 13:36	0	0	0
24	1/22/2020 13:51	0	0	0
25	1/22/2020 14:06	0	0	0
26	1/22/2020 14:21	0	0	0
27	1/22/2020 14:36	0	0	0
28	1/22/2020 14:51	0	0	0
29	1/22/2020 15:06	0	0	0
30	1/22/2020 15:21	0	0	0
31	1/22/2020 15:36	0	1.7	0
Peak		0	1.7	0
Min		0	0	0
Average		0	0.1	0

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TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	1/22/2020 8:06	0	0
2	1/22/2020 8:21	0	0
3	1/22/2020 8:36	0	0
4	1/22/2020 8:51	0	0
5	1/22/2020 9:06	0	0
6	1/22/2020 9:21	0	0
7	1/22/2020 9:36	0	0
8	1/22/2020 9:51	0	0
9	1/22/2020 10:06	0	0
10	1/22/2020 10:21	0	0
11	1/22/2020 10:36	0	0
12	1/22/2020 10:51	0	0
13	1/22/2020 11:06	0	0
14	1/22/2020 11:21	0	0
15	1/22/2020 11:36	0	0
16	1/22/2020 11:51	0	0
17	1/22/2020 12:06	0	0

18	1/22/2020 12:21	0	0
19	1/22/2020 12:36	0	0
20	1/22/2020 12:51	0	0
21	1/22/2020 13:06	0	0
22	1/22/2020 13:21	0	0
23	1/22/2020 13:36	0	0
24	1/22/2020 13:51	0	0
25	1/22/2020 14:06	0	0
26	1/22/2020 14:21	0	0
27	1/22/2020 14:36	0	0
28	1/22/2020 14:51	0	0
29	1/22/2020 15:06	0	0
30	1/22/2020 15:21	0	0
31	1/22/2020 15:36	0	0

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20/01/23 07:33

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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-907676
Unit Firmware Ver	V2.20A

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	12345678
User ID	12345678

Begin	1/23/2020 7:33
End	1/23/2020 15:48
Sample Period(s)	900
Number of Records	32

Sensor	PID(ppm)
Sensor SN	S023030130U6
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	12/27/2019 14:06
Peak	0
Min	0
Average	0

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Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	1/23/2020 7:48	0.9	101.2	0
2	1/23/2020 8:03	0	0	0
3	1/23/2020 8:18	0	0	0
4	1/23/2020 8:33	0	0	0
5	1/23/2020 8:48	0	0	0

Background PID reading. Most likely caused by spray paint or Genie exhaust coming in from North central doorway.

	6	1/23/2020 9:03	0	0	0
	7	1/23/2020 9:18	0	0	0
	8	1/23/2020 9:33	0	0	0
	9	1/23/2020 9:48	0	0	0
	10	1/23/2020 10:03	0	0	0
	11	1/23/2020 10:18	0	0	0
	12	1/23/2020 10:33	0	0	0
	13	1/23/2020 10:48	0	0	0
	14	1/23/2020 11:03	0	0	0
	15	1/23/2020 11:18	0	0	0
	16	1/23/2020 11:33	0	0	0
	17	1/23/2020 11:48	0	0	0
	18	1/23/2020 12:03	0	0	0
	19	1/23/2020 12:18	0	0	0
	20	1/23/2020 12:33	0	0	0
	21	1/23/2020 12:48	0	0	0
	22	1/23/2020 13:03	0	0	0
	23	1/23/2020 13:18	0	0.2	0
	24	1/23/2020 13:33	0	0	0
	25	1/23/2020 13:48	0	0	0
	26	1/23/2020 14:03	0	0	0
	27	1/23/2020 14:18	0	0	0
	28	1/23/2020 14:33	0	0	0
	29	1/23/2020 14:48	0	0	0
	30	1/23/2020 15:03	0	0	0
	31	1/23/2020 15:18	0	0	0
	32	1/23/2020 15:33	0	0	0
Peak			0.9	101.2	0
Min			0	0	0
Average			0	3.2	0

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TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	1/23/2020 7:48	0	0
2	1/23/2020 8:03	0	0
3	1/23/2020 8:18	0	0
4	1/23/2020 8:33	0	0
5	1/23/2020 8:48	0	0
6	1/23/2020 9:03	0	0
7	1/23/2020 9:18	0	0
8	1/23/2020 9:33	0	0
9	1/23/2020 9:48	0	0
10	1/23/2020 10:03	0	0
11	1/23/2020 10:18	0	0
12	1/23/2020 10:33	0	0

13	1/23/2020 10:48	0	0
14	1/23/2020 11:03	0	0
15	1/23/2020 11:18	0	0
16	1/23/2020 11:33	0	0
17	1/23/2020 11:48	0	0
18	1/23/2020 12:03	0	0
19	1/23/2020 12:18	0	0
20	1/23/2020 12:33	0	0
21	1/23/2020 12:48	0	0
22	1/23/2020 13:03	0	0
23	1/23/2020 13:18	0	0
24	1/23/2020 13:33	0	0
25	1/23/2020 13:48	0	0
26	1/23/2020 14:03	0	0
27	1/23/2020 14:18	0	0
28	1/23/2020 14:33	0	0
29	1/23/2020 14:48	0	0
30	1/23/2020 15:03	0	0
31	1/23/2020 15:18	0	0
32	1/23/2020 15:33	0	0

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20/01/24 07:51
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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-907676
Unit Firmware Ver	V2.20A
Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Pause in Menu Mode
Site ID	12345678
User ID	12345678
Begin	1/24/2020 7:51
End	1/24/2020 8:17
Sample Period(s)	900
Number of Records	1
Sensor	PID(ppm)
Sensor SN	S023030130U6
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	12/27/2019 14:06
Peak	0
Min	0
Average	0

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Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	1/24/2020 8:06	0	0	0
Peak		0	0	0
Min		0	0	0
Average		0	0	0

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TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	1/24/2020 8:06	0	0

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20/01/24 08:17

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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-907676
Unit Firmware Ver	V2.20A

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Battery Low

Site ID	12345678
User ID	12345678

Begin	1/24/2020 8:17
End	1/24/2020 14:37
Sample Period(s)	900
Number of Records	25

Sensor	PID(ppm)
Sensor SN	S023030130U6
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	12/27/2019 14:06
Peak	0
Min	0
Average	0

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Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	1/24/2020 8:32	0	0	0
2	1/24/2020 8:47	0	0	0
3	1/24/2020 9:02	0	0	0
4	1/24/2020 9:17	0	0	0
5	1/24/2020 9:32	0	0	0

6	1/24/2020 9:47	0	0	0
7	1/24/2020 10:02	0	0	0
8	1/24/2020 10:17	0	0	0
9	1/24/2020 10:32	0	0	0
10	1/24/2020 10:47	0	0	0
11	1/24/2020 11:02	0	0	0
12	1/24/2020 11:17	0	0	0
13	1/24/2020 11:32	0	0	0
14	1/24/2020 11:47	0	0	0
15	1/24/2020 12:02	0	0	0
16	1/24/2020 12:17	0	0	0
17	1/24/2020 12:32	0	0	0
18	1/24/2020 12:47	0	0	0
19	1/24/2020 13:02	0	0	0
20	1/24/2020 13:17	0	0	0
21	1/24/2020 13:32	0	0	0
22	1/24/2020 13:47	0	0	0
23	1/24/2020 14:02	0	0	0
24	1/24/2020 14:17	0	0	0
25	1/24/2020 14:32	0	0.2	0
Peak		0	0.2	0
Min		0	0	0
Average		0	0	0

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TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	1/24/2020 8:32	0	0
2	1/24/2020 8:47	0	0
3	1/24/2020 9:02	0	0
4	1/24/2020 9:17	0	0
5	1/24/2020 9:32	0	0
6	1/24/2020 9:47	0	0
7	1/24/2020 10:02	0	0
8	1/24/2020 10:17	0	0
9	1/24/2020 10:32	0	0
10	1/24/2020 10:47	0	0
11	1/24/2020 11:02	0	0
12	1/24/2020 11:17	0	0
13	1/24/2020 11:32	0	0
14	1/24/2020 11:47	0	0
15	1/24/2020 12:02	0	0
16	1/24/2020 12:17	0	0
17	1/24/2020 12:32	0	0
18	1/24/2020 12:47	0	0
19	1/24/2020 13:02	0	0
20	1/24/2020 13:17	0	0
21	1/24/2020 13:32	0	0
22	1/24/2020 13:47	0	0
23	1/24/2020 14:02	0	0
24	1/24/2020 14:17	0	0
25	1/24/2020 14:32	0	0

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20/01/27 08:38
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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-907676
Unit Firmware Ver	V2.20A
Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down
Site ID	12345678
User ID	12345678
Begin	1/27/2020 8:38
End	1/27/2020 15:17
Sample Period(s)	900
Number of Records	26
Sensor	PID(ppm)
Sensor SN	S023030130U6
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	12/27/2019 14:06
Peak	0.7
Min	0
Average	0

****
Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	1/27/2020 8:53	0	0	0
2	1/27/2020 9:08	0	0	0
3	1/27/2020 9:23	0	0	0
4	1/27/2020 9:38	0	0	0
5	1/27/2020 9:53	0	0	0

Most likely spiked when power washer/steamer was turned on for decontaminating augers.

	6	1/27/2020 10:08	0	0	0
	7	1/27/2020 10:23	0	0	0
	8	1/27/2020 10:38	0.1	11.6	0.7
	9	1/27/2020 10:53	0	0.9	0
	10	1/27/2020 11:08	0	0	0
	11	1/27/2020 11:23	0	0	0
	12	1/27/2020 11:38	0	0	0
	13	1/27/2020 11:53	0	0	0
	14	1/27/2020 12:08	0	0	0
	15	1/27/2020 12:23	0	0	0
	16	1/27/2020 12:38	0	0	0
	17	1/27/2020 12:53	0	0	0
	18	1/27/2020 13:08	0	0	0
	19	1/27/2020 13:23	0	0	0
	20	1/27/2020 13:38	0	0	0
	21	1/27/2020 13:53	0	0	0
	22	1/27/2020 14:08	0	0	0
	23	1/27/2020 14:23	0	0	0
	24	1/27/2020 14:38	0	0	0
	25	1/27/2020 14:53	0	0	0
	26	1/27/2020 15:08	0	0	0
Peak			0.1	11.6	0.7
Min			0	0	0
Average			0	0.5	0

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TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	1/27/2020 8:53	0	0
2	1/27/2020 9:08	0	0
3	1/27/2020 9:23	0	0
4	1/27/2020 9:38	0	0
5	1/27/2020 9:53	0	0
6	1/27/2020 10:08	0	0
7	1/27/2020 10:23	0	0
8	1/27/2020 10:38	0	0.7
9	1/27/2020 10:53	0	0.7
10	1/27/2020 11:08	0	0
11	1/27/2020 11:23	0	0
12	1/27/2020 11:38	0	0
13	1/27/2020 11:53	0	0
14	1/27/2020 12:08	0	0
15	1/27/2020 12:23	0	0
16	1/27/2020 12:38	0	0
17	1/27/2020 12:53	0	0
18	1/27/2020 13:08	0	0

19	1/27/2020 13:23	0	0
20	1/27/2020 13:38	0	0
21	1/27/2020 13:53	0	0
22	1/27/2020 14:08	0	0
23	1/27/2020 14:23	0	0
24	1/27/2020 14:38	0	0
25	1/27/2020 14:53	0	0
26	1/27/2020 15:08	0	0

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20/01/27 15:18
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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-907676
Unit Firmware Ver	V2.20A
Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down
Site ID	12345678
User ID	12345678
Begin	1/27/2020 15:18
End	1/27/2020 15:38
Sample Period(s)	900
Number of Records	1
Sensor	PID(ppm)
Sensor SN	S023030130U6
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	###############
Peak	0
Min	0
Average	0

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Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	1/27/2020 15:33	0	0	0
Peak		0	0	0
Min		0	0	0
Average		0	0	0

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TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	1/27/2020 15:33	0	0

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20/01/28 08:58
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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-907676
Unit Firmware Ver	V2.20A
Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Battery Low
Site ID	12345678
User ID	12345678
Begin	1/28/2020 8:58
End	1/28/2020 12:20
Sample Period(s)	900
Number of Records	13
Sensor	PID(ppm)
Sensor SN	S023030130U6
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	12/27/2019 14:06
Peak	0
Min	0
Average	0

****
Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	1/28/2020 9:13	0	0	0
2	1/28/2020 9:28	0	0	0
3	1/28/2020 9:43	0	0	0
4	1/28/2020 9:58	0	0	0
5	1/28/2020 10:13	0	0	0

	6	1/28/2020 10:28	0	0	0
	7	1/28/2020 10:43	0	0	0
	8	1/28/2020 10:58	0	0	0
	9	1/28/2020 11:13	0	0	0
	10	1/28/2020 11:28	0	0	0
	11	1/28/2020 11:43	0	0	0
	12	1/28/2020 11:58	0	0	0
	13	1/28/2020 12:13	0	0	0
Peak			0	0	0
Min			0	0	0
Average			0	0	0

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TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)	
1	1/28/2020 9:13	0	0	
2	1/28/2020 9:28	0	0	
3	1/28/2020 9:43	0	0	
4	1/28/2020 9:58	0	0	
5	1/28/2020 10:13	0	0	
6	1/28/2020 10:28	0	0	
7	1/28/2020 10:43	0	0	
8	1/28/2020 10:58	0	0	
9	1/28/2020 11:13	0	0	
10	1/28/2020 11:28	0	0	
11	1/28/2020 11:43	0	0	
12	1/28/2020 11:58	0	0	
13	1/28/2020 12:13	0	0	

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20/01/28 12:31
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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-907676
Unit Firmware Ver	V2.20A
Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down
Site ID	12345678
User ID	12345678
Begin	1/28/2020 12:31
End	1/28/2020 15:54
Sample Period(s)	900
Number of Records	13
Sensor	PID(ppm)
Sensor SN	S023030130U6
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	12/27/2019 14:06
Peak	0
Min	0
Average	0

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Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)	
1	1/28/2020 12:46	0	0	0	
2	1/28/2020 13:01	0	0	0	
3	1/28/2020 13:16	0	0	0	
4	1/28/2020 13:31	0	0	0	
5	1/28/2020 13:46	0	0	0	

	6	1/28/2020 14:01	0	0	0
	7	1/28/2020 14:16	0	0	0
	8	1/28/2020 14:31	0	0	0
	9	1/28/2020 14:46	0	0	0
	10	1/28/2020 15:01	0	0	0
	11	1/28/2020 15:16	0	0	0
	12	1/28/2020 15:31	0	0	0
	13	1/28/2020 15:46	0	0	0
Peak			0	0	0
Min			0	0	0
Average			0	0	0

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TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	1/28/2020 12:46	0	0
2	1/28/2020 13:01	0	0
3	1/28/2020 13:16	0	0
4	1/28/2020 13:31	0	0
5	1/28/2020 13:46	0	0
6	1/28/2020 14:01	0	0
7	1/28/2020 14:16	0	0
8	1/28/2020 14:31	0	0
9	1/28/2020 14:46	0	0
10	1/28/2020 15:01	0	0
11	1/28/2020 15:16	0	0
12	1/28/2020 15:31	0	0
13	1/28/2020 15:46	0	0

==========
20/01/29 08:35
****
Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-907676
Unit Firmware Ver	V2.20A
Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Battery Low
Site ID	12345678
User ID	12345678
Begin	1/29/2020 8:35
End	1/29/2020 14:10
Sample Period(s)	900
Number of Records	22
Sensor	PID(ppm)
Sensor SN	S023030130U6
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	12/27/2019 14:06
Peak	0
Min	0
Average	0

****
Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	1/29/2020 8:50	0	0	0
2	1/29/2020 9:05	0	0	0
3	1/29/2020 9:20	0	0	0
4	1/29/2020 9:35	0	0	0
5	1/29/2020 9:50	0	0	0

6	1/29/2020 10:05	0	0	0
7	1/29/2020 10:20	0	0	0
8	1/29/2020 10:35	0	0	0
9	1/29/2020 10:50	0	0	0
10	1/29/2020 11:05	0	0	0
11	1/29/2020 11:20	0	0	0
12	1/29/2020 11:35	0	0	0
13	1/29/2020 11:50	0	0	0
14	1/29/2020 12:05	0	0	0
15	1/29/2020 12:20	0	0	0
16	1/29/2020 12:35	0	0	0
17	1/29/2020 12:50	0	0	0
18	1/29/2020 13:05	0	0	0
19	1/29/2020 13:20	0	0	0
20	1/29/2020 13:35	0	0	0
21	1/29/2020 13:50	0	0	0
22	1/29/2020 14:05	0	0	0
Peak		0	0	0
Min		0	0	0
Average		0	0	0

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	1/29/2020 8:50	0	0
2	1/29/2020 9:05	0	0
3	1/29/2020 9:20	0	0
4	1/29/2020 9:35	0	0
5	1/29/2020 9:50	0	0
6	1/29/2020 10:05	0	0
7	1/29/2020 10:20	0	0
8	1/29/2020 10:35	0	0
9	1/29/2020 10:50	0	0
10	1/29/2020 11:05	0	0
11	1/29/2020 11:20	0	0
12	1/29/2020 11:35	0	0
13	1/29/2020 11:50	0	0
14	1/29/2020 12:05	0	0
15	1/29/2020 12:20	0	0
16	1/29/2020 12:35	0	0
17	1/29/2020 12:50	0	0
18	1/29/2020 13:05	0	0
19	1/29/2020 13:20	0	0
20	1/29/2020 13:35	0	0
21	1/29/2020 13:50	0	0
22	1/29/2020 14:05	0	0

==========
20/01/29 14:40
****
Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-907676
Unit Firmware Ver	V2.20A
Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down
Site ID	12345678
User ID	12345678
Begin	1/29/2020 14:40
End	1/29/2020 15:20
Sample Period(s)	900
Number of Records	2
Sensor	PID(ppm)
Sensor SN	S023030130U6
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	12/27/2019 14:06
Peak	0
Min	0
Average	0

****
Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)	
1	1/29/2020 14:55		0	0	0
2	1/29/2020 15:10		0	0	0
Peak			0	0	0
Min			0	0	0
Average			0	0	0

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)	
1	1/29/2020 14:55	0	0	
2	1/29/2020 15:10	0	0	

==========
20/01/30 07:45
****
Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-907676
Unit Firmware Ver	V2.20A
Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Battery Low
Site ID	12345678
User ID	12345678
Begin	1/30/2020 7:45
End	1/30/2020 13:32
Sample Period(s)	900
Number of Records	23
Sensor	PID(ppm)
Sensor SN	S023030130U6
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	12/27/2019 14:06
Peak	0
Min	0
Average	0

****
Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	1/30/2020 8:00	0	0	0
2	1/30/2020 8:15	0	0	0
3	1/30/2020 8:30	0	0	0
4	1/30/2020 8:45	0	0	0
5	1/30/2020 9:00	0	0	0

	6	1/30/2020 9:15	0	0	0
	7	1/30/2020 9:30	0	0	0
	8	1/30/2020 9:45	0	0	0
	9	1/30/2020 10:00	0	0	0
	10	1/30/2020 10:15	0	0.7	0
	11	1/30/2020 10:30	0	0	0
	12	1/30/2020 10:45	0	0	0
	13	1/30/2020 11:00	0	0	0
	14	1/30/2020 11:15	0	0	0
	15	1/30/2020 11:30	0	0	0
	16	1/30/2020 11:45	0	0	0
	17	1/30/2020 12:00	0	1.1	0
	18	1/30/2020 12:15	0	0	0
	19	1/30/2020 12:30	0	0	0
	20	1/30/2020 12:45	0	0	0
	21	1/30/2020 13:00	0	0	0
	22	1/30/2020 13:15	0	0	0
	23	1/30/2020 13:30	0	0	0
Peak			0	1.1	0
Min			0	0	0
Average			0	0.1	0

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	1/30/2020 8:00	0	0
2	1/30/2020 8:15	0	0
3	1/30/2020 8:30	0	0
4	1/30/2020 8:45	0	0
5	1/30/2020 9:00	0	0
6	1/30/2020 9:15	0	0
7	1/30/2020 9:30	0	0
8	1/30/2020 9:45	0	0
9	1/30/2020 10:00	0	0
10	1/30/2020 10:15	0	0
11	1/30/2020 10:30	0	0
12	1/30/2020 10:45	0	0
13	1/30/2020 11:00	0	0
14	1/30/2020 11:15	0	0
15	1/30/2020 11:30	0	0
16	1/30/2020 11:45	0	0
17	1/30/2020 12:00	0	0
18	1/30/2020 12:15	0	0
19	1/30/2020 12:30	0	0
20	1/30/2020 12:45	0	0
21	1/30/2020 13:00	0	0
22	1/30/2020 13:15	0	0
23	1/30/2020 13:30	0	0

==========
20/01/30 14:22
****
Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-907676
Unit Firmware Ver	V2.20A
Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down
Site ID	12345678
User ID	12345678
Begin	1/30/2020 14:22
End	1/30/2020 15:54
Sample Period(s)	900
Number of Records	6
Sensor	PID(ppm)
Sensor SN	S023030130U6
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	12/27/2019 14:06
Peak	0
Min	0
Average	0

****
Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)	
1	1/30/2020 14:37	0	0	0	
2	1/30/2020 14:52	0	0	0	
3	1/30/2020 15:07	0	0	0	
4	1/30/2020 15:22	0	0	0	
5	1/30/2020 15:37	0	0	0	

	6	1/30/2020 15:52	0	0	0
Peak			0	0	0
Min			0	0	0
Average			0	0	0

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)	
	1	1/30/2020 14:37	0	0
	2	1/30/2020 14:52	0	0
	3	1/30/2020 15:07	0	0
	4	1/30/2020 15:22	0	0
	5	1/30/2020 15:37	0	0
	6	1/30/2020 15:52	0	0

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20/01/31 07:34
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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-907676
Unit Firmware Ver	V2.20A
Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Battery Low
Site ID	12345678
User ID	12345678
Begin	1/31/2020 7:34
End	1/31/2020 11:09
Sample Period(s)	900
Number of Records	14
Sensor	PID(ppm)
Sensor SN	S023030130U6
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	12/27/2019 14:06
Peak	0
Min	0
Average	0

****
Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)	
1	1/31/2020 7:49	0	0	0	
2	1/31/2020 8:04	0	0	0	
3	1/31/2020 8:19	0	0	0	
4	1/31/2020 8:34	0	0	0	
5	1/31/2020 8:49	0	0	0	

6	1/31/2020 9:04	0	0	0
7	1/31/2020 9:19	0	0	0
8	1/31/2020 9:34	0	0	0
9	1/31/2020 9:49	0	0	0
10	1/31/2020 10:04	0	0	0
11	1/31/2020 10:19	0	0	0
12	1/31/2020 10:34	0	0	0
13	1/31/2020 10:49	0	0	0
14	1/31/2020 11:04	0	0	0
Peak		0	0	0
Min		0	0	0
Average		0	0	0

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	1/31/2020 7:49	0	0
2	1/31/2020 8:04	0	0
3	1/31/2020 8:19	0	0
4	1/31/2020 8:34	0	0
5	1/31/2020 8:49	0	0
6	1/31/2020 9:04	0	0
7	1/31/2020 9:19	0	0
8	1/31/2020 9:34	0	0
9	1/31/2020 9:49	0	0
10	1/31/2020 10:04	0	0
11	1/31/2020 10:19	0	0
12	1/31/2020 10:34	0	0
13	1/31/2020 10:49	0	0
14	1/31/2020 11:04	0	0

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20/01/31 11:24
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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-907676
Unit Firmware Ver	V2.20A

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	12345678
User ID	12345678

Begin	1/31/2020 11:24
End	1/31/2020 15:57
Sample Period(s)	900
Number of Records	18

Sensor	PID(ppm)
Sensor SN	S023030130U6
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	12/27/2019 14:06
Peak	0
Min	0
Average	0

****

Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)	
1	1/31/2020 11:39	0	0	0	
2	1/31/2020 11:54	0	0	0	
3	1/31/2020 12:09	0	0	0	
4	1/31/2020 12:24	0	0	0	
5	1/31/2020 12:39	0	0	0	

	6	1/31/2020 12:54	0	0	0
	7	1/31/2020 13:09	0	0	0
	8	1/31/2020 13:24	0	0	0
	9	1/31/2020 13:39	0	0	0
	10	1/31/2020 13:54	0	0	0
	11	1/31/2020 14:09	0	0	0
	12	1/31/2020 14:24	0	0	0
	13	1/31/2020 14:39	0	0	0
	14	1/31/2020 14:54	0	0	0
	15	1/31/2020 15:09	0	0	0
	16	1/31/2020 15:24	0	0	0
	17	1/31/2020 15:39	0	0	0
	18	1/31/2020 15:54	0	0	0
Peak			0	0	0
Min			0	0	0
Average			0	0	0

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	1/31/2020 11:39	0	0
2	1/31/2020 11:54	0	0
3	1/31/2020 12:09	0	0
4	1/31/2020 12:24	0	0
5	1/31/2020 12:39	0	0
6	1/31/2020 12:54	0	0
7	1/31/2020 13:09	0	0
8	1/31/2020 13:24	0	0
9	1/31/2020 13:39	0	0
10	1/31/2020 13:54	0	0
11	1/31/2020 14:09	0	0
12	1/31/2020 14:24	0	0
13	1/31/2020 14:39	0	0
14	1/31/2020 14:54	0	0
15	1/31/2020 15:09	0	0
16	1/31/2020 15:24	0	0
17	1/31/2020 15:39	0	0
18	1/31/2020 15:54	0	0

February 2020
Doorway PID Data

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20/02/03 07:23
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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-907676
Unit Firmware Ver	V2.20A
Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Battery Low
Site ID	12345678
User ID	12345678
Begin	2/3/2020 7:23
End	2/3/2020 14:25
Sample Period(s)	900
Number of Records	28
Sensor	PID(ppm)
Sensor SN	S023030130U6
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	12/27/2019 14:06
Peak	0
Min	0
Average	0

****
Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	2/3/2020 7:38	0	0	0
2	2/3/2020 7:53	0	0	0
3	2/3/2020 8:08	0	0	0
4	2/3/2020 8:23	0	0	0
5	2/3/2020 8:38	0	0	0

6	2/3/2020 8:53	0	0	0
7	2/3/2020 9:08	0	0	0
8	2/3/2020 9:23	0	0	0
9	2/3/2020 9:38	0	0	0
10	2/3/2020 9:53	0	0	0
11	2/3/2020 10:08	0	0	0
12	2/3/2020 10:23	0	0	0
13	2/3/2020 10:38	0	0	0
14	2/3/2020 10:53	0	0	0
15	2/3/2020 11:08	0	0	0
16	2/3/2020 11:23	0	0	0
17	2/3/2020 11:38	0	0	0
18	2/3/2020 11:53	0	0	0
19	2/3/2020 12:08	0	0	0
20	2/3/2020 12:23	0	0	0
21	2/3/2020 12:38	0	0	0
22	2/3/2020 12:53	0	0	0
23	2/3/2020 13:08	0	0	0
24	2/3/2020 13:23	0	0	0
25	2/3/2020 13:38	0	0	0
26	2/3/2020 13:53	0	0	0
27	2/3/2020 14:08	0	0	0
28	2/3/2020 14:23	0	0	0
Peak		0	0	0
Min		0	0	0
Average		0	0	0

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	2/3/2020 7:38	0	0
2	2/3/2020 7:53	0	0
3	2/3/2020 8:08	0	0
4	2/3/2020 8:23	0	0
5	2/3/2020 8:38	0	0
6	2/3/2020 8:53	0	0
7	2/3/2020 9:08	0	0
8	2/3/2020 9:23	0	0
9	2/3/2020 9:38	0	0
10	2/3/2020 9:53	0	0
11	2/3/2020 10:08	0	0
12	2/3/2020 10:23	0	0
13	2/3/2020 10:38	0	0
14	2/3/2020 10:53	0	0
15	2/3/2020 11:08	0	0
16	2/3/2020 11:23	0	0

17	2/3/2020 11:38	0	0
18	2/3/2020 11:53	0	0
19	2/3/2020 12:08	0	0
20	2/3/2020 12:23	0	0
21	2/3/2020 12:38	0	0
22	2/3/2020 12:53	0	0
23	2/3/2020 13:08	0	0
24	2/3/2020 13:23	0	0
25	2/3/2020 13:38	0	0
26	2/3/2020 13:53	0	0
27	2/3/2020 14:08	0	0
28	2/3/2020 14:23	0	0

==========
20/02/03 14:48
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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-907676
Unit Firmware Ver	V2.20A
Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down
Site ID	12345678
User ID	12345678
Begin	2/3/2020 14:48
End	2/3/2020 15:48
Sample Period(s)	900
Number of Records	4
Sensor	PID(ppm)
Sensor SN	S023030130U6
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	12/27/2019 14:06
Peak	0
Min	0
Average	0

****
Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	2/3/2020 15:03	0	0	0
2	2/3/2020 15:18	0	0	0
3	2/3/2020 15:33	0	0	0
4	2/3/2020 15:48	0	0	0
Peak		0	0	0

Min	0	0	0
Average	0	0	0

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	2/3/2020 15:03	0	0
2	2/3/2020 15:18	0	0
3	2/3/2020 15:33	0	0
4	2/3/2020 15:48	0	0

==========
20/02/04 07:29
****
Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-907676
Unit Firmware Ver	V2.20A
Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down
Site ID	12345678
User ID	12345678
Begin	2/4/2020 7:29
End	2/4/2020 14:58
Sample Period(s)	900
Number of Records	29
Sensor	PID(ppm)
Sensor SN	S023030130U6
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	12/27/2019 14:06
Peak	0
Min	0
Average	0

****
Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	2/4/2020 7:44	0	0	0
2	2/4/2020 7:59	0	0	0
3	2/4/2020 8:14	0	0	0
4	2/4/2020 8:29	0	0	0
5	2/4/2020 8:44	0	0	0

6	2/4/2020 8:59	0	0	0
7	2/4/2020 9:14	0	0	0
8	2/4/2020 9:29	0	0	0
9	2/4/2020 9:44	0	0	0
10	2/4/2020 9:59	0	0	0
11	2/4/2020 10:14	0	0	0
12	2/4/2020 10:29	0	0	0
13	2/4/2020 10:44	0	0	0
14	2/4/2020 10:59	0	0	0
15	2/4/2020 11:14	0	0	0
16	2/4/2020 11:29	0	0	0
17	2/4/2020 11:44	0	0	0
18	2/4/2020 11:59	0	0	0
19	2/4/2020 12:14	0	0	0
20	2/4/2020 12:29	0	0	0
21	2/4/2020 12:44	0	0	0
22	2/4/2020 12:59	0	0	0
23	2/4/2020 13:14	0	0	0
24	2/4/2020 13:29	0	0	0
25	2/4/2020 13:44	0	0	0
26	2/4/2020 13:59	0	0	0
27	2/4/2020 14:14	0	0	0
28	2/4/2020 14:29	0	0	0
29	2/4/2020 14:44	0	0	0
Peak		0	0	0
Min		0	0	0
Average		0	0	0

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	2/4/2020 7:44	0	0
2	2/4/2020 7:59	0	0
3	2/4/2020 8:14	0	0
4	2/4/2020 8:29	0	0
5	2/4/2020 8:44	0	0
6	2/4/2020 8:59	0	0
7	2/4/2020 9:14	0	0
8	2/4/2020 9:29	0	0
9	2/4/2020 9:44	0	0
10	2/4/2020 9:59	0	0
11	2/4/2020 10:14	0	0
12	2/4/2020 10:29	0	0
13	2/4/2020 10:44	0	0
14	2/4/2020 10:59	0	0
15	2/4/2020 11:14	0	0

16	2/4/2020 11:29	0	0
17	2/4/2020 11:44	0	0
18	2/4/2020 11:59	0	0
19	2/4/2020 12:14	0	0
20	2/4/2020 12:29	0	0
21	2/4/2020 12:44	0	0
22	2/4/2020 12:59	0	0
23	2/4/2020 13:14	0	0
24	2/4/2020 13:29	0	0
25	2/4/2020 13:44	0	0
26	2/4/2020 13:59	0	0
27	2/4/2020 14:14	0	0
28	2/4/2020 14:29	0	0
29	2/4/2020 14:44	0	0

==========
20/02/05 07:25
****
Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-907676
Unit Firmware Ver	V2.20A
Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Battery Low
Site ID	12345678
User ID	12345678
Begin	2/5/2020 7:25
End	2/5/2020 8:57
Sample Period(s)	900
Number of Records	6
Sensor	PID(ppm)
Sensor SN	S023030130U6
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	12/27/2019 14:06
Peak	0
Min	0
Average	0

****
Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	2/5/2020 7:40	0	0	0
2	2/5/2020 7:55	0	0	0
3	2/5/2020 8:10	0	0.2	0
4	2/5/2020 8:25	0	0	0
5	2/5/2020 8:40	0	0	0

	6	2/5/2020 8:55	0	0	0
Peak			0	0.2	0
Min			0	0	0
Average			0	0	0

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	2/5/2020 7:40	0	0
2	2/5/2020 7:55	0	0
3	2/5/2020 8:10	0	0
4	2/5/2020 8:25	0	0
5	2/5/2020 8:40	0	0
6	2/5/2020 8:55	0	0

==========
20/02/05 14:05
****
Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-907676
Unit Firmware Ver	V2.20A
Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Battery Low
Site ID	12345678
User ID	12345678
Begin	2/5/2020 14:05
End	2/5/2020 15:09
Sample Period(s)	900
Number of Records	4
Sensor	PID(ppm)
Sensor SN	S023030130U6
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	12/27/2019 14:06
Peak	0
Min	0
Average	0

****
Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	2/5/2020 14:20	0	0.4	0
2	2/5/2020 14:35	0	0	0
3	2/5/2020 14:50	0	0	0
4	2/5/2020 15:05	0	0	0
Peak		0	0.4	0

Min	0	0	0
Average	0	0.1	0

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	2/5/2020 14:20	0	0
2	2/5/2020 14:35	0	0
3	2/5/2020 14:50	0	0
4	2/5/2020 15:05	0	0

==========
20/02/06 07:11
****
Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-907676
Unit Firmware Ver	V2.20A
Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Pause in Communication Mode
Site ID	12345678
User ID	12345678
Begin	2/6/2020 7:11
End	2/6/2020 7:29
Sample Period(s)	900
Number of Records	1
Sensor	PID(ppm)
Sensor SN	S023030130U6
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	12/27/2019 14:06
Peak	0
Min	0
Average	0

****
Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	2/6/2020 7:26	0	0	0
Peak		0	0	0
Min		0	0	0
Average		0	0	0

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	2/6/2020 7:26	0	0

==========
20/02/06 08:07
****
Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-907676
Unit Firmware Ver	V2.20A

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Battery Low

Site ID	12345678
User ID	12345678

Begin	2/6/2020 8:07
End	2/6/2020 15:08
Sample Period(s)	900
Number of Records	28

Sensor	PID(ppm)
Sensor SN	S023030130U6
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	12/27/2019 14:06
Peak	0
Min	0
Average	0

****
Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	2/6/2020 8:22	0	0	0
2	2/6/2020 8:37	0	0	0
3	2/6/2020 8:52	0	0	0
4	2/6/2020 9:07	0	0	0
5	2/6/2020 9:22	0	0	0

6	2/6/2020 9:37	0	0	0
7	2/6/2020 9:52	0	0	0
8	2/6/2020 10:07	0	0	0
9	2/6/2020 10:22	0	0	0
10	2/6/2020 10:37	0	0	0
11	2/6/2020 10:52	0	0	0
12	2/6/2020 11:07	0	0	0
13	2/6/2020 11:22	0	0	0
14	2/6/2020 11:37	0	0	0
15	2/6/2020 11:52	0	0	0
16	2/6/2020 12:07	0	0	0
17	2/6/2020 12:22	0	0	0
18	2/6/2020 12:37	0	0	0
19	2/6/2020 12:52	0	0	0
20	2/6/2020 13:07	0	0	0
21	2/6/2020 13:22	0	0	0
22	2/6/2020 13:37	0	0	0
23	2/6/2020 13:52	0	0	0
24	2/6/2020 14:07	0	0	0
25	2/6/2020 14:22	0	0	0
26	2/6/2020 14:37	0	0	0
27	2/6/2020 14:52	0	0	0
28	2/6/2020 15:07	0	0	0
Peak		0	0	0
Min		0	0	0
Average		0	0	0

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	2/6/2020 8:22	0	0
2	2/6/2020 8:37	0	0
3	2/6/2020 8:52	0	0
4	2/6/2020 9:07	0	0
5	2/6/2020 9:22	0	0
6	2/6/2020 9:37	0	0
7	2/6/2020 9:52	0	0
8	2/6/2020 10:07	0	0
9	2/6/2020 10:22	0	0
10	2/6/2020 10:37	0	0
11	2/6/2020 10:52	0	0
12	2/6/2020 11:07	0	0
13	2/6/2020 11:22	0	0
14	2/6/2020 11:37	0	0
15	2/6/2020 11:52	0	0
16	2/6/2020 12:07	0	0

17	2/6/2020 12:22	0	0
18	2/6/2020 12:37	0	0
19	2/6/2020 12:52	0	0
20	2/6/2020 13:07	0	0
21	2/6/2020 13:22	0	0
22	2/6/2020 13:37	0	0
23	2/6/2020 13:52	0	0
24	2/6/2020 14:07	0	0
25	2/6/2020 14:22	0	0
26	2/6/2020 14:37	0	0
27	2/6/2020 14:52	0	0
28	2/6/2020 15:07	0	0

==========
20/02/07 07:31
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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-907676
Unit Firmware Ver	V2.20A
Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down
Site ID	12345678
User ID	12345678
Begin	2/7/2020 7:31
End	2/7/2020 14:54
Sample Period(s)	900
Number of Records	29
Sensor	PID(ppm)
Sensor SN	S023030130U6
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	12/27/2019 14:06
Peak	0
Min	0
Average	0

****
Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	2/7/2020 7:46	0	0	0
2	2/7/2020 8:01	0	0	0
3	2/7/2020 8:16	0	0	0
4	2/7/2020 8:31	0	0	0
5	2/7/2020 8:46	0	0	0

6	2/7/2020 9:01	0	0	0
7	2/7/2020 9:16	0	0	0
8	2/7/2020 9:31	0	0	0
9	2/7/2020 9:46	0	0	0
10	2/7/2020 10:01	0	0	0
11	2/7/2020 10:16	0	0	0
12	2/7/2020 10:31	0	0	0
13	2/7/2020 10:46	0	0	0
14	2/7/2020 11:01	0	0	0
15	2/7/2020 11:16	0	0	0
16	2/7/2020 11:31	0	0	0
17	2/7/2020 11:46	0	0	0
18	2/7/2020 12:01	0	0	0
19	2/7/2020 12:16	0	0	0
20	2/7/2020 12:31	0	0	0
21	2/7/2020 12:46	0	0	0
22	2/7/2020 13:01	0	0	0
23	2/7/2020 13:16	0	0	0
24	2/7/2020 13:31	0	0	0
25	2/7/2020 13:46	0	0.1	0
26	2/7/2020 14:01	0	0.7	0
27	2/7/2020 14:16	0	0	0
28	2/7/2020 14:31	0	0	0
29	2/7/2020 14:46	0	0	0
Peak		0	0.7	0
Min		0	0	0
Average		0	0	0

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	2/7/2020 7:46	0	0
2	2/7/2020 8:01	0	0
3	2/7/2020 8:16	0	0
4	2/7/2020 8:31	0	0
5	2/7/2020 8:46	0	0
6	2/7/2020 9:01	0	0
7	2/7/2020 9:16	0	0
8	2/7/2020 9:31	0	0
9	2/7/2020 9:46	0	0
10	2/7/2020 10:01	0	0
11	2/7/2020 10:16	0	0
12	2/7/2020 10:31	0	0
13	2/7/2020 10:46	0	0
14	2/7/2020 11:01	0	0
15	2/7/2020 11:16	0	0

16	2/7/2020 11:31	0	0
17	2/7/2020 11:46	0	0
18	2/7/2020 12:01	0	0
19	2/7/2020 12:16	0	0
20	2/7/2020 12:31	0	0
21	2/7/2020 12:46	0	0
22	2/7/2020 13:01	0	0
23	2/7/2020 13:16	0	0
24	2/7/2020 13:31	0	0
25	2/7/2020 13:46	0	0
26	2/7/2020 14:01	0	0
27	2/7/2020 14:16	0	0
28	2/7/2020 14:31	0	0
29	2/7/2020 14:46	0	0

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20/02/11 07:13
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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-907676
Unit Firmware Ver	V2.20A

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Battery Low

Site ID	12345678
User ID	12345678

Begin	2/11/2020 7:13
End	2/11/2020 10:43
Sample Period(s)	900
Number of Records	13

Sensor	PID(ppm)
Sensor SN	S023030130U6
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	12/27/2019 14:06
Peak	0
Min	0
Average	0

****
Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	2/11/2020 7:28	0	0	0
2	2/11/2020 7:43	0	0	0
3	2/11/2020 7:58	0	0	0
4	2/11/2020 8:13	0	0	0
5	2/11/2020 8:28	0	0	0

6	2/11/2020 8:43	0	0	0
7	2/11/2020 8:58	0	0	0
8	2/11/2020 9:13	0	0	0
9	2/11/2020 9:28	0	0	0
10	2/11/2020 9:43	0	0	0
11	2/11/2020 9:58	0	0	0
12	2/11/2020 10:13	0	0	0
13	2/11/2020 10:28	0	0	0
Peak		0	0	0
Min		0	0	0
Average		0	0	0

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TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	2/11/2020 7:28	0	0
2	2/11/2020 7:43	0	0
3	2/11/2020 7:58	0	0
4	2/11/2020 8:13	0	0
5	2/11/2020 8:28	0	0
6	2/11/2020 8:43	0	0
7	2/11/2020 8:58	0	0
8	2/11/2020 9:13	0	0
9	2/11/2020 9:28	0	0
10	2/11/2020 9:43	0	0
11	2/11/2020 9:58	0	0
12	2/11/2020 10:13	0	0
13	2/11/2020 10:28	0	0

==========
20/02/11 10:57
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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-907676
Unit Firmware Ver	V2.20A
Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down
Site ID	12345678
User ID	12345678
Begin	2/11/2020 10:57
End	2/11/2020 15:54
Sample Period(s)	900
Number of Records	19
Sensor	PID(ppm)
Sensor SN	S023030130U6
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	12/27/2019 14:06
Peak	0
Min	0
Average	0

****
Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	2/11/2020 11:12	0	0	0
2	2/11/2020 11:27	0	0	0
3	2/11/2020 11:42	0	0	0
4	2/11/2020 11:57	0	0	0
5	2/11/2020 12:12	0	0.1	0

6	2/11/2020 12:27	0	1.1	0
7	2/11/2020 12:42	0	0	0
8	2/11/2020 12:57	0	0	0
9	2/11/2020 13:12	0	0	0
10	2/11/2020 13:27	0	0	0
11	2/11/2020 13:42	0	0	0
12	2/11/2020 13:57	0	0	0
13	2/11/2020 14:12	0	0	0
14	2/11/2020 14:27	0	0	0
15	2/11/2020 14:42	0	0	0
16	2/11/2020 14:57	0	0	0
17	2/11/2020 15:12	0	0	0
18	2/11/2020 15:27	0	0	0
19	2/11/2020 15:42	0	0	0
Peak		0	1.1	0
Min		0	0	0
Average		0	0.1	0

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	2/11/2020 11:12	0	0
2	2/11/2020 11:27	0	0
3	2/11/2020 11:42	0	0
4	2/11/2020 11:57	0	0
5	2/11/2020 12:12	0	0
6	2/11/2020 12:27	0	0
7	2/11/2020 12:42	0	0
8	2/11/2020 12:57	0	0
9	2/11/2020 13:12	0	0
10	2/11/2020 13:27	0	0
11	2/11/2020 13:42	0	0
12	2/11/2020 13:57	0	0
13	2/11/2020 14:12	0	0
14	2/11/2020 14:27	0	0
15	2/11/2020 14:42	0	0
16	2/11/2020 14:57	0	0
17	2/11/2020 15:12	0	0
18	2/11/2020 15:27	0	0
19	2/11/2020 15:42	0	0

==========
20/02/12 07:23
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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-907676
Unit Firmware Ver	V2.20A

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	12345678
User ID	12345678

Begin	2/12/2020 7:23
End	2/12/2020 15:52
Sample Period(s)	900
Number of Records	33

Sensor	PID(ppm)
Sensor SN	S023030130U6
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	12/27/2019 14:06
Peak	0
Min	0
Average	0

****
Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	2/12/2020 7:38	0	0	0
2	2/12/2020 7:53	0	0	0
3	2/12/2020 8:08	0	0	0
4	2/12/2020 8:23	0	0	0
5	2/12/2020 8:38	0	0	0

6	2/12/2020 8:53	0	0	0
7	2/12/2020 9:08	0	1.1	0
8	2/12/2020 9:23	0	0.3	0
9	2/12/2020 9:38	0	0	0
10	2/12/2020 9:53	0	0.3	0
11	2/12/2020 10:08	0	0.1	0
12	2/12/2020 10:23	0	0	0
13	2/12/2020 10:38	0	0	0
14	2/12/2020 10:53	0	0	0
15	2/12/2020 11:08	0	0	0
16	2/12/2020 11:23	0	0	0
17	2/12/2020 11:38	0	0	0
18	2/12/2020 11:53	0	0	0
19	2/12/2020 12:08	0	0	0
20	2/12/2020 12:23	0	0	0
21	2/12/2020 12:38	0	0	0
22	2/12/2020 12:53	0	0	0
23	2/12/2020 13:08	0	0	0
24	2/12/2020 13:23	0	0	0
25	2/12/2020 13:38	0	0	0
26	2/12/2020 13:53	0	0	0
27	2/12/2020 14:08	0	0	0
28	2/12/2020 14:23	0	0	0
29	2/12/2020 14:38	0	0	0
30	2/12/2020 14:53	0	0	0
31	2/12/2020 15:08	0	0	0
32	2/12/2020 15:23	0	0	0
33	2/12/2020 15:38	0	0	0
Peak		0	1.1	0
Min		0	0	0
Average		0	0.1	0

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TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	2/12/2020 7:38	0	0
2	2/12/2020 7:53	0	0
3	2/12/2020 8:08	0	0
4	2/12/2020 8:23	0	0
5	2/12/2020 8:38	0	0
6	2/12/2020 8:53	0	0
7	2/12/2020 9:08	0	0
8	2/12/2020 9:23	0	0
9	2/12/2020 9:38	0	0
10	2/12/2020 9:53	0	0
11	2/12/2020 10:08	0	0

12	2/12/2020 10:23	0	0
13	2/12/2020 10:38	0	0
14	2/12/2020 10:53	0	0
15	2/12/2020 11:08	0	0
16	2/12/2020 11:23	0	0
17	2/12/2020 11:38	0	0
18	2/12/2020 11:53	0	0
19	2/12/2020 12:08	0	0
20	2/12/2020 12:23	0	0
21	2/12/2020 12:38	0	0
22	2/12/2020 12:53	0	0
23	2/12/2020 13:08	0	0
24	2/12/2020 13:23	0	0
25	2/12/2020 13:38	0	0
26	2/12/2020 13:53	0	0
27	2/12/2020 14:08	0	0
28	2/12/2020 14:23	0	0
29	2/12/2020 14:38	0	0
30	2/12/2020 14:53	0	0
31	2/12/2020 15:08	0	0
32	2/12/2020 15:23	0	0
33	2/12/2020 15:38	0	0

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20/02/13 07:21
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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-907676
Unit Firmware Ver	V2.20A

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	12345678
User ID	12345678

Begin	2/13/2020 7:21
End	2/13/2020 16:00
Sample Period(s)	900
Number of Records	34

Sensor	PID(ppm)
Sensor SN	S023030130U6
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	12/27/2019 14:06
Peak	0
Min	0
Average	0

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Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	2/13/2020 7:36	0	0	0
2	2/13/2020 7:51	0	0	0
3	2/13/2020 8:06	0	0	0
4	2/13/2020 8:21	0	0	0
5	2/13/2020 8:36	0	0	0

6	2/13/2020 8:51	0	0	0
7	2/13/2020 9:06	0	0	0
8	2/13/2020 9:21	0	0	0
9	2/13/2020 9:36	0	0	0
10	2/13/2020 9:51	0	0	0
11	2/13/2020 10:06	0	0	0
12	2/13/2020 10:21	0	0	0
13	2/13/2020 10:36	0	0	0
14	2/13/2020 10:51	0	0	0
15	2/13/2020 11:06	0	0	0
16	2/13/2020 11:21	0	0	0
17	2/13/2020 11:36	0	0	0
18	2/13/2020 11:51	0	0	0
19	2/13/2020 12:06	0	0	0
20	2/13/2020 12:21	0	0	0
21	2/13/2020 12:36	0	0	0
22	2/13/2020 12:51	0	0	0
23	2/13/2020 13:06	0	0	0
24	2/13/2020 13:21	0	0	0
25	2/13/2020 13:36	0	0	0
26	2/13/2020 13:51	0	0	0
27	2/13/2020 14:06	0	0	0
28	2/13/2020 14:21	0	0	0
29	2/13/2020 14:36	0	0	0
30	2/13/2020 14:51	0	0	0
31	2/13/2020 15:06	0	0	0
32	2/13/2020 15:21	0	0	0
33	2/13/2020 15:36	0	0	0
34	2/13/2020 15:51	0	0	0
Peak		0	0	0
Min		0	0	0
Average		0	0	0

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TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	2/13/2020 7:36	0	0
2	2/13/2020 7:51	0	0
3	2/13/2020 8:06	0	0
4	2/13/2020 8:21	0	0
5	2/13/2020 8:36	0	0
6	2/13/2020 8:51	0	0
7	2/13/2020 9:06	0	0
8	2/13/2020 9:21	0	0
9	2/13/2020 9:36	0	0
10	2/13/2020 9:51	0	0

11	2/13/2020 10:06	0	0
12	2/13/2020 10:21	0	0
13	2/13/2020 10:36	0	0
14	2/13/2020 10:51	0	0
15	2/13/2020 11:06	0	0
16	2/13/2020 11:21	0	0
17	2/13/2020 11:36	0	0
18	2/13/2020 11:51	0	0
19	2/13/2020 12:06	0	0
20	2/13/2020 12:21	0	0
21	2/13/2020 12:36	0	0
22	2/13/2020 12:51	0	0
23	2/13/2020 13:06	0	0
24	2/13/2020 13:21	0	0
25	2/13/2020 13:36	0	0
26	2/13/2020 13:51	0	0
27	2/13/2020 14:06	0	0
28	2/13/2020 14:21	0	0
29	2/13/2020 14:36	0	0
30	2/13/2020 14:51	0	0
31	2/13/2020 15:06	0	0
32	2/13/2020 15:21	0	0
33	2/13/2020 15:36	0	0
34	2/13/2020 15:51	0	0

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20/02/14 07:43
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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-907676
Unit Firmware Ver	V2.20A
Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Battery Low
Site ID	12345678
User ID	12345678
Begin	2/14/2020 7:43
End	2/14/2020 11:57
Sample Period(s)	900
Number of Records	16
Sensor	PID(ppm)
Sensor SN	S023030130U6
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	12/27/2019 14:06
Peak	0
Min	0
Average	0

****
Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	2/14/2020 7:58	0	0	0
2	2/14/2020 8:13	0	0	0
3	2/14/2020 8:28	0	0	0
4	2/14/2020 8:43	0	0	0
5	2/14/2020 8:58	0	0	0

6	2/14/2020 9:13	0	0	0
7	2/14/2020 9:28	0	1.3	0
8	2/14/2020 9:43	0	0	0
9	2/14/2020 9:58	0	0	0
10	2/14/2020 10:13	0	0	0
11	2/14/2020 10:28	0	0	0
12	2/14/2020 10:43	0	0	0
13	2/14/2020 10:58	0	0	0
14	2/14/2020 11:13	0	0	0
15	2/14/2020 11:28	0	0	0
16	2/14/2020 11:43	0	0	0
Peak		0	1.3	0
Min		0	0	0
Average		0	0.1	0

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TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	2/14/2020 7:58	0	0
2	2/14/2020 8:13	0	0
3	2/14/2020 8:28	0	0
4	2/14/2020 8:43	0	0
5	2/14/2020 8:58	0	0
6	2/14/2020 9:13	0	0
7	2/14/2020 9:28	0	0
8	2/14/2020 9:43	0	0
9	2/14/2020 9:58	0	0
10	2/14/2020 10:13	0	0
11	2/14/2020 10:28	0	0
12	2/14/2020 10:43	0	0
13	2/14/2020 10:58	0	0
14	2/14/2020 11:13	0	0
15	2/14/2020 11:28	0	0
16	2/14/2020 11:43	0	0

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20/02/14 12:01
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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-907676
Unit Firmware Ver	V2.20A
Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down
Site ID	12345678
User ID	12345678
Begin	2/14/2020 12:01
End	2/14/2020 15:39
Sample Period(s)	900
Number of Records	14
Sensor	PID(ppm)
Sensor SN	S023030130U6
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	12/27/2019 14:06
Peak	0
Min	0
Average	0

****
Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	2/14/2020 12:16	0	0	0
2	2/14/2020 12:31	0	0	0
3	2/14/2020 12:46	0	0	0
4	2/14/2020 13:01	0	0	0
5	2/14/2020 13:16	0	0	0

	6	2/14/2020 13:31	0	0	0
	7	2/14/2020 13:46	0	0	0
	8	2/14/2020 14:01	0	0	0
	9	2/14/2020 14:16	0	0	0
	10	2/14/2020 14:31	0	0	0
	11	2/14/2020 14:46	0	0	0
	12	2/14/2020 15:01	0	0	0
	13	2/14/2020 15:16	0	0	0
	14	2/14/2020 15:31	0	0	0
Peak			0	0	0
Min			0	0	0
Average			0	0	0

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TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	2/14/2020 12:16	0	0
2	2/14/2020 12:31	0	0
3	2/14/2020 12:46	0	0
4	2/14/2020 13:01	0	0
5	2/14/2020 13:16	0	0
6	2/14/2020 13:31	0	0
7	2/14/2020 13:46	0	0
8	2/14/2020 14:01	0	0
9	2/14/2020 14:16	0	0
10	2/14/2020 14:31	0	0
11	2/14/2020 14:46	0	0
12	2/14/2020 15:01	0	0
13	2/14/2020 15:16	0	0
14	2/14/2020 15:31	0	0

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20/02/17 07:33
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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-907676
Unit Firmware Ver	V2.20A

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	12345678
User ID	12345678

Begin	2/17/2020 7:33
End	2/17/2020 14:27
Sample Period(s)	900
Number of Records	27

Sensor	PID(ppm)
Sensor SN	S023030130U6
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	12/27/2019 14:06
Peak	0
Min	0
Average	0

****
Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	2/17/2020 7:48	0	0	0
2	2/17/2020 8:03	0	0	0
3	2/17/2020 8:18	0	0	0
4	2/17/2020 8:33	0	0	0
5	2/17/2020 8:48	0	0	0

	6	2/17/2020 9:03	0	0	0
	7	2/17/2020 9:18	0	0	0
	8	2/17/2020 9:33	0	0	0
	9	2/17/2020 9:48	0	0	0
	10	2/17/2020 10:03	0	0	0
	11	2/17/2020 10:18	0	0	0
	12	2/17/2020 10:33	0	0	0
	13	2/17/2020 10:48	0	0	0
	14	2/17/2020 11:03	0	1	0
	15	2/17/2020 11:18	0	0	0
	16	2/17/2020 11:33	1.3	8.5	0
	17	2/17/2020 11:48	0	0	0
	18	2/17/2020 12:03	3	55.1	0
	19	2/17/2020 12:18	0	0.3	0
	20	2/17/2020 12:33	0	0	0
	21	2/17/2020 12:48	0	0	0
	22	2/17/2020 13:03	0	0	0
	23	2/17/2020 13:18	0	0	0
	24	2/17/2020 13:33	0	0	0
	25	2/17/2020 13:48	0	0	0
	26	2/17/2020 14:03	0	0	0
	27	2/17/2020 14:18	0	0	0
Peak			3	55.1	0
Min			0	0	0
Average			0.2	2.4	0

Spray paint was used within the area to mark out frame lines for walls.

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TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	2/17/2020 7:48	0	0
2	2/17/2020 8:03	0	0
3	2/17/2020 8:18	0	0
4	2/17/2020 8:33	0	0
5	2/17/2020 8:48	0	0
6	2/17/2020 9:03	0	0
7	2/17/2020 9:18	0	0
8	2/17/2020 9:33	0	0
9	2/17/2020 9:48	0	0
10	2/17/2020 10:03	0	0
11	2/17/2020 10:18	0	0
12	2/17/2020 10:33	0	0
13	2/17/2020 10:48	0	0
14	2/17/2020 11:03	0	0
15	2/17/2020 11:18	0	0
16	2/17/2020 11:33	0	0
17	2/17/2020 11:48	0	0

18	2/17/2020 12:03	0	0
19	2/17/2020 12:18	0	0
20	2/17/2020 12:33	0	0
21	2/17/2020 12:48	0	0
22	2/17/2020 13:03	0	0
23	2/17/2020 13:18	0	0
24	2/17/2020 13:33	0	0
25	2/17/2020 13:48	0	0
26	2/17/2020 14:03	0	0
27	2/17/2020 14:18	0	0

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20/02/18 07:39
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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-907676
Unit Firmware Ver	V2.20A
Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down
Site ID	12345678
User ID	12345678
Begin	2/18/2020 7:39
End	2/18/2020 15:55
Sample Period(s)	900
Number of Records	33
Sensor	PID(ppm)
Sensor SN	S023030130U6
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	12/27/2019 14:06
Peak	0
Min	0
Average	0

****
Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	2/18/2020 7:54	0	0	0
2	2/18/2020 8:09	0	0	0
3	2/18/2020 8:24	0	0	0
4	2/18/2020 8:39	0	0	0
5	2/18/2020 8:54	0	0	0

6	2/18/2020 9:09	0	0	0
7	2/18/2020 9:24	0	0	0
8	2/18/2020 9:39	0	0	0
9	2/18/2020 9:54	0	0	0
10	2/18/2020 10:09	0	0	0
11	2/18/2020 10:24	0	0	0
12	2/18/2020 10:39	0	0	0
13	2/18/2020 10:54	0	0	0
14	2/18/2020 11:09	0	0	0
15	2/18/2020 11:24	0	0	0
16	2/18/2020 11:39	0	0	0
17	2/18/2020 11:54	0	0.8	0
18	2/18/2020 12:09	0	0	0
19	2/18/2020 12:24	0	0	0
20	2/18/2020 12:39	0	0	0
21	2/18/2020 12:54	0	0	0
22	2/18/2020 13:09	0	0	0
23	2/18/2020 13:24	0	0	0
24	2/18/2020 13:39	0	0	0
25	2/18/2020 13:54	0	0	0
26	2/18/2020 14:09	0	0	0
27	2/18/2020 14:24	0	0	0
28	2/18/2020 14:39	0	0	0
29	2/18/2020 14:54	0	0	0
30	2/18/2020 15:09	0	0	0
31	2/18/2020 15:24	0	0	0
32	2/18/2020 15:39	0	0	0
33	2/18/2020 15:54	0	0	0
Peak		0	0.8	0
Min		0	0	0
Average		0	0	0

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TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	2/18/2020 7:54	0	0
2	2/18/2020 8:09	0	0
3	2/18/2020 8:24	0	0
4	2/18/2020 8:39	0	0
5	2/18/2020 8:54	0	0
6	2/18/2020 9:09	0	0
7	2/18/2020 9:24	0	0
8	2/18/2020 9:39	0	0
9	2/18/2020 9:54	0	0
10	2/18/2020 10:09	0	0
11	2/18/2020 10:24	0	0

12	2/18/2020 10:39	0	0
13	2/18/2020 10:54	0	0
14	2/18/2020 11:09	0	0
15	2/18/2020 11:24	0	0
16	2/18/2020 11:39	0	0
17	2/18/2020 11:54	0	0
18	2/18/2020 12:09	0	0
19	2/18/2020 12:24	0	0
20	2/18/2020 12:39	0	0
21	2/18/2020 12:54	0	0
22	2/18/2020 13:09	0	0
23	2/18/2020 13:24	0	0
24	2/18/2020 13:39	0	0
25	2/18/2020 13:54	0	0
26	2/18/2020 14:09	0	0
27	2/18/2020 14:24	0	0
28	2/18/2020 14:39	0	0
29	2/18/2020 14:54	0	0
30	2/18/2020 15:09	0	0
31	2/18/2020 15:24	0	0
32	2/18/2020 15:39	0	0
33	2/18/2020 15:54	0	0

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20/02/19 07:45
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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-907676
Unit Firmware Ver	V2.20A

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	12345678
User ID	12345678

Begin	2/19/2020 7:45
End	2/19/2020 15:49
Sample Period(s)	900
Number of Records	32

Sensor	PID(ppm)
Sensor SN	S023030130U6
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	12/27/2019 14:06
Peak	0
Min	0
Average	0

****
Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	2/19/2020 8:00	0	0	0
2	2/19/2020 8:15	0	0	0
3	2/19/2020 8:30	0	0	0
4	2/19/2020 8:45	0	0	0
5	2/19/2020 9:00	0	0	0

6	2/19/2020 9:15	0	0	0
7	2/19/2020 9:30	0	0	0
8	2/19/2020 9:45	0	0	0
9	2/19/2020 10:00	0	0	0
10	2/19/2020 10:15	0	0	0
11	2/19/2020 10:30	0	0	0
12	2/19/2020 10:45	0	0	0
13	2/19/2020 11:00	0	0	0
14	2/19/2020 11:15	0	0	0
15	2/19/2020 11:30	0	0	0
16	2/19/2020 11:45	0	0	0
17	2/19/2020 12:00	0	0	0
18	2/19/2020 12:15	0	0	0
19	2/19/2020 12:30	0	0	0
20	2/19/2020 12:45	0	0	0
21	2/19/2020 13:00	0	0	0
22	2/19/2020 13:15	0	0	0
23	2/19/2020 13:30	0	0	0
24	2/19/2020 13:45	0	0	0
25	2/19/2020 14:00	0	0	0
26	2/19/2020 14:15	0	0	0
27	2/19/2020 14:30	0	0	0
28	2/19/2020 14:45	0	0	0
29	2/19/2020 15:00	0	0	0
30	2/19/2020 15:15	0	0	0
31	2/19/2020 15:30	0	0	0
32	2/19/2020 15:45	0	0	0
Peak		0	0	0
Min		0	0	0
Average		0	0	0

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TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	2/19/2020 8:00	0	0
2	2/19/2020 8:15	0	0
3	2/19/2020 8:30	0	0
4	2/19/2020 8:45	0	0
5	2/19/2020 9:00	0	0
6	2/19/2020 9:15	0	0
7	2/19/2020 9:30	0	0
8	2/19/2020 9:45	0	0
9	2/19/2020 10:00	0	0
10	2/19/2020 10:15	0	0
11	2/19/2020 10:30	0	0
12	2/19/2020 10:45	0	0

13	2/19/2020 11:00	0	0
14	2/19/2020 11:15	0	0
15	2/19/2020 11:30	0	0
16	2/19/2020 11:45	0	0
17	2/19/2020 12:00	0	0
18	2/19/2020 12:15	0	0
19	2/19/2020 12:30	0	0
20	2/19/2020 12:45	0	0
21	2/19/2020 13:00	0	0
22	2/19/2020 13:15	0	0
23	2/19/2020 13:30	0	0
24	2/19/2020 13:45	0	0
25	2/19/2020 14:00	0	0
26	2/19/2020 14:15	0	0
27	2/19/2020 14:30	0	0
28	2/19/2020 14:45	0	0
29	2/19/2020 15:00	0	0
30	2/19/2020 15:15	0	0
31	2/19/2020 15:30	0	0
32	2/19/2020 15:45	0	0

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20/02/20 07:46
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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-907676
Unit Firmware Ver	V2.20A

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	12345678
User ID	12345678

Begin	2/20/2020 7:46
End	2/20/2020 15:52
Sample Period(s)	900
Number of Records	32

Sensor	PID(ppm)
Sensor SN	S023030130U6
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	12/27/2019 14:06
Peak	0
Min	0
Average	0

****
Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	2/20/2020 8:01	0	0	0
2	2/20/2020 8:16	0	0	0
3	2/20/2020 8:31	0	0	0
4	2/20/2020 8:46	0	0	0
5	2/20/2020 9:01	0	0	0

6	2/20/2020 9:16	0	0	0
7	2/20/2020 9:31	0	0	0
8	2/20/2020 9:46	0	0	0
9	2/20/2020 10:01	0	0	0
10	2/20/2020 10:16	0	0	0
11	2/20/2020 10:31	0	0	0
12	2/20/2020 10:46	0	0	0
13	2/20/2020 11:01	0	0	0
14	2/20/2020 11:16	0	0	0
15	2/20/2020 11:31	0	0	0
16	2/20/2020 11:46	0	0	0
17	2/20/2020 12:01	0	0	0
18	2/20/2020 12:16	0	0	0
19	2/20/2020 12:31	0	0	0
20	2/20/2020 12:46	0	0	0
21	2/20/2020 13:01	0	0	0
22	2/20/2020 13:16	0	0	0
23	2/20/2020 13:31	0	0	0
24	2/20/2020 13:46	0	0	0
25	2/20/2020 14:01	0	0	0
26	2/20/2020 14:16	0	0	0
27	2/20/2020 14:31	0	0	0
28	2/20/2020 14:46	0	0	0
29	2/20/2020 15:01	0	0	0
30	2/20/2020 15:16	0	0	0
31	2/20/2020 15:31	0	0	0
32	2/20/2020 15:46	0	0	0
Peak		0	0	0
Min		0	0	0
Average		0	0	0

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	2/20/2020 8:01	0	0
2	2/20/2020 8:16	0	0
3	2/20/2020 8:31	0	0
4	2/20/2020 8:46	0	0
5	2/20/2020 9:01	0	0
6	2/20/2020 9:16	0	0
7	2/20/2020 9:31	0	0
8	2/20/2020 9:46	0	0
9	2/20/2020 10:01	0	0
10	2/20/2020 10:16	0	0
11	2/20/2020 10:31	0	0
12	2/20/2020 10:46	0	0

13	2/20/2020 11:01	0	0
14	2/20/2020 11:16	0	0
15	2/20/2020 11:31	0	0
16	2/20/2020 11:46	0	0
17	2/20/2020 12:01	0	0
18	2/20/2020 12:16	0	0
19	2/20/2020 12:31	0	0
20	2/20/2020 12:46	0	0
21	2/20/2020 13:01	0	0
22	2/20/2020 13:16	0	0
23	2/20/2020 13:31	0	0
24	2/20/2020 13:46	0	0
25	2/20/2020 14:01	0	0
26	2/20/2020 14:16	0	0
27	2/20/2020 14:31	0	0
28	2/20/2020 14:46	0	0
29	2/20/2020 15:01	0	0
30	2/20/2020 15:16	0	0
31	2/20/2020 15:31	0	0
32	2/20/2020 15:46	0	0

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20/02/21 07:59
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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-907676
Unit Firmware Ver	V2.20A

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Battery Low

Site ID	12345678
User ID	12345678

Begin	2/21/2020 7:59
End	2/21/2020 8:48
Sample Period(s)	900
Number of Records	3

Sensor	PID(ppm)
Sensor SN	S023030130U6
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	12/27/2019 14:06
Peak	0
Min	0
Average	0

****
Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	2/21/2020 8:14	0	0	0
2	2/21/2020 8:29	0	0	0
3	2/21/2020 8:44	0	0	0
Peak		0	0	0
Min		0	0	0

Average	0	0	0

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	2/21/2020 8:14	0	0
2	2/21/2020 8:29	0	0
3	2/21/2020 8:44	0	0

==========
20/02/21 08:59
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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-907676
Unit Firmware Ver	V2.20A

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	12345678
User ID	12345678

Begin	2/21/2020 8:59
End	2/21/2020 14:51
Sample Period(s)	900
Number of Records	23

Sensor	PID(ppm)
Sensor SN	S023030130U6
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	12/27/2019 14:06
Peak	3.7
Min	0
Average	0.2

****
Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	2/21/2020 9:14	0	0	0
2	2/21/2020 9:29	0	0	0
3	2/21/2020 9:44	0	0.4	0
4	2/21/2020 9:59	0	1	0
5	2/21/2020 10:14	0	0	0

6	2/21/2020 10:29	0	0	0
7	2/21/2020 10:44	0	0	0
8	2/21/2020 10:59	0	0	0
9	2/21/2020 11:14	0	0	0
10	2/21/2020 11:29	0	0	0
11	2/21/2020 11:44	0	0	0
12	2/21/2020 11:59	0	0	0
13	2/21/2020 12:14	0	0	0
14	2/21/2020 12:29	0	0	0
15	2/21/2020 12:44	0	0	0
16	2/21/2020 12:59	0	1.6	0
17	2/21/2020 13:14	0.4	6.6	3.7
18	2/21/2020 13:29	0.3	9.6	0
19	2/21/2020 13:44	0	0	0
20	2/21/2020 13:59	0	0	0
21	2/21/2020 14:14	0	0	0
22	2/21/2020 14:29	0	0	0
23	2/21/2020 14:44	0	0	0
Peak		0.4	9.6	3.7
Min		0	0	0
Average		0	0.8	0.2

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TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	2/21/2020 9:14	0	0
2	2/21/2020 9:29	0	0
3	2/21/2020 9:44	0	0
4	2/21/2020 9:59	0	0
5	2/21/2020 10:14	0	0
6	2/21/2020 10:29	0	0
7	2/21/2020 10:44	0	0
8	2/21/2020 10:59	0	0
9	2/21/2020 11:14	0	0
10	2/21/2020 11:29	0	0
11	2/21/2020 11:44	0	0
12	2/21/2020 11:59	0	0
13	2/21/2020 12:14	0	0
14	2/21/2020 12:29	0	0
15	2/21/2020 12:44	0	0
16	2/21/2020 12:59	0	0
17	2/21/2020 13:14	0.1	3.7
18	2/21/2020 13:29	0.1	3.7
19	2/21/2020 13:44	0.1	0
20	2/21/2020 13:59	0.1	0
21	2/21/2020 14:14	0.1	0

22	2/21/2020 14:29	0.1	0
23	2/21/2020 14:44	0.1	0

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20/02/24 07:59
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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-907676
Unit Firmware Ver	V2.20A
Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down
Site ID	12345678
User ID	12345678
Begin	2/24/2020 7:59
End	2/24/2020 16:02
Sample Period(s)	900
Number of Records	32
Sensor	PID(ppm)
Sensor SN	S023030130U6
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	12/27/2019 14:06
Peak	0
Min	0
Average	0

****
Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	2/24/2020 8:14	0	0	0
2	2/24/2020 8:29	0	0	0
3	2/24/2020 8:44	0	0	0
4	2/24/2020 8:59	0	0	0
5	2/24/2020 9:14	0	0	0

	6	2/24/2020 9:29	0	0	0
	7	2/24/2020 9:44	0	0.1	0
	8	2/24/2020 9:59	0	0	0
	9	2/24/2020 10:14	0	0	0
	10	2/24/2020 10:29	0	0	0
	11	2/24/2020 10:44	0	0	0
	12	2/24/2020 10:59	0	0	0
	13	2/24/2020 11:14	0	0	0
	14	2/24/2020 11:29	0	0	0
	15	2/24/2020 11:44	0	0	0
	16	2/24/2020 11:59	0	0	0
	17	2/24/2020 12:14	0	0	0
	18	2/24/2020 12:29	0	0	0
	19	2/24/2020 12:44	0	0	0
	20	2/24/2020 12:59	0	0	0
	21	2/24/2020 13:14	0	2.5	0
	22	2/24/2020 13:29	0	2.7	0
	23	2/24/2020 13:44	0	0	0
	24	2/24/2020 13:59	0	0	0
	25	2/24/2020 14:14	0	0	0
	26	2/24/2020 14:29	0	0	0
	27	2/24/2020 14:44	0	0	0
	28	2/24/2020 14:59	0	0	0
	29	2/24/2020 15:14	0	0	0
	30	2/24/2020 15:29	0	0	0
	31	2/24/2020 15:44	0	0	0
	32	2/24/2020 15:59	0	0	0
Peak			0	2.7	0
Min			0	0	0
Average			0	0.2	0

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TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	2/24/2020 8:14	0	0
2	2/24/2020 8:29	0	0
3	2/24/2020 8:44	0	0
4	2/24/2020 8:59	0	0
5	2/24/2020 9:14	0	0
6	2/24/2020 9:29	0	0
7	2/24/2020 9:44	0	0
8	2/24/2020 9:59	0	0
9	2/24/2020 10:14	0	0
10	2/24/2020 10:29	0	0
11	2/24/2020 10:44	0	0
12	2/24/2020 10:59	0	0

13	2/24/2020 11:14	0	0
14	2/24/2020 11:29	0	0
15	2/24/2020 11:44	0	0
16	2/24/2020 11:59	0	0
17	2/24/2020 12:14	0	0
18	2/24/2020 12:29	0	0
19	2/24/2020 12:44	0	0
20	2/24/2020 12:59	0	0
21	2/24/2020 13:14	0	0
22	2/24/2020 13:29	0	0
23	2/24/2020 13:44	0	0
24	2/24/2020 13:59	0	0
25	2/24/2020 14:14	0	0
26	2/24/2020 14:29	0	0
27	2/24/2020 14:44	0	0
28	2/24/2020 14:59	0	0
29	2/24/2020 15:14	0	0
30	2/24/2020 15:29	0	0
31	2/24/2020 15:44	0	0
32	2/24/2020 15:59	0	0

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20/02/25 07:55
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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-907676
Unit Firmware Ver	V2.20A
Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down
Site ID	12345678
User ID	12345678
Begin	2/25/2020 7:55
End	2/25/2020 15:25
Sample Period(s)	900
Number of Records	30
Sensor	PID(ppm)
Sensor SN	S023030130U6
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	12/27/2019 14:06
Peak	0.5
Min	0
Average	0

****
Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	2/25/2020 8:10	0	0	0
2	2/25/2020 8:25	0	0	0
3	2/25/2020 8:40	0	0	0
4	2/25/2020 8:55	0	0	0
5	2/25/2020 9:10	0	0	0

6	2/25/2020 9:25	0	0	0
7	2/25/2020 9:40	0	0	0
8	2/25/2020 9:55	0	0	0
9	2/25/2020 10:10	0	0	0
10	2/25/2020 10:25	0	0	0
11	2/25/2020 10:40	0	0	0
12	2/25/2020 10:55	0	0	0
13	2/25/2020 11:10	0	0	0
14	2/25/2020 11:25	0	0	0
15	2/25/2020 11:40	0	1.9	0.5
16	2/25/2020 11:55	0	0.7	0
17	2/25/2020 12:10	0	0.5	0
18	2/25/2020 12:25	0	0	0
19	2/25/2020 12:40	0	0	0
20	2/25/2020 12:55	0	0	0
21	2/25/2020 13:10	0	0	0
22	2/25/2020 13:25	0	0	0
23	2/25/2020 13:40	0	0	0
24	2/25/2020 13:55	0	0	0
25	2/25/2020 14:10	0	0	0
26	2/25/2020 14:25	0	0	0
27	2/25/2020 14:40	0	0	0
28	2/25/2020 14:55	0	0	0
29	2/25/2020 15:10	0	0	0
30	2/25/2020 15:25	0	0	0
Peak		0	1.9	0.5
Min		0	0	0
Average		0	0.1	0

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TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	2/25/2020 8:10	0	0
2	2/25/2020 8:25	0	0
3	2/25/2020 8:40	0	0
4	2/25/2020 8:55	0	0
5	2/25/2020 9:10	0	0
6	2/25/2020 9:25	0	0
7	2/25/2020 9:40	0	0
8	2/25/2020 9:55	0	0
9	2/25/2020 10:10	0	0
10	2/25/2020 10:25	0	0
11	2/25/2020 10:40	0	0
12	2/25/2020 10:55	0	0
13	2/25/2020 11:10	0	0
14	2/25/2020 11:25	0	0

15	2/25/2020 11:40	0	0.5
16	2/25/2020 11:55	0	0.5
17	2/25/2020 12:10	0	0
18	2/25/2020 12:25	0	0
19	2/25/2020 12:40	0	0
20	2/25/2020 12:55	0	0
21	2/25/2020 13:10	0	0
22	2/25/2020 13:25	0	0
23	2/25/2020 13:40	0	0
24	2/25/2020 13:55	0	0
25	2/25/2020 14:10	0	0
26	2/25/2020 14:25	0	0
27	2/25/2020 14:40	0	0
28	2/25/2020 14:55	0	0
29	2/25/2020 15:10	0	0
30	2/25/2020 15:25	0	0

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20/02/26 07:28
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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-907676
Unit Firmware Ver	V2.20A

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	12345678
User ID	12345678

Begin	2/26/2020 7:28
End	2/26/2020 15:48
Sample Period(s)	900
Number of Records	33

Sensor	PID(ppm)
Sensor SN	S023030130U6
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	12/27/2019 14:06
Peak	0
Min	0
Average	0

****
Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	2/26/2020 7:43	0	0	0
2	2/26/2020 7:58	0	0	0
3	2/26/2020 8:13	0	0	0
4	2/26/2020 8:28	0	0	0
5	2/26/2020 8:43	0	0	0

Caused by drillers spraying down joints in rig with WD-40 for lubrication.

6	2/26/2020 8:58	0	0	0
7	2/26/2020 9:13	0.3	7.4	0
8	2/26/2020 9:28	0	0	0
9	2/26/2020 9:43	0	0	0
10	2/26/2020 9:58	0	0.1	0
11	2/26/2020 10:13	0	0	0
12	2/26/2020 10:28	0	0	0
13	2/26/2020 10:43	0	0	0
14	2/26/2020 10:58	0	0	0
15	2/26/2020 11:13	0	0	0
16	2/26/2020 11:28	0	0	0
17	2/26/2020 11:43	0	0	0
18	2/26/2020 11:58	0	0	0
19	2/26/2020 12:13	0	0	0
20	2/26/2020 12:28	0	0	0
21	2/26/2020 12:43	0	0	0
22	2/26/2020 12:58	0	0	0
23	2/26/2020 13:13	0	0	0
24	2/26/2020 13:28	0	0	0
25	2/26/2020 13:43	0	0	0
26	2/26/2020 13:58	0	0	0
27	2/26/2020 14:13	0	0	0
28	2/26/2020 14:28	0	0.4	0
29	2/26/2020 14:43	0	0	0
30	2/26/2020 14:58	0	0	0
31	2/26/2020 15:13	0	0	0
32	2/26/2020 15:28	0	0	0
33	2/26/2020 15:43	0	0	0
Peak		0.3	7.4	0
Min		0	0	0
Average		0	0.2	0

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TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	2/26/2020 7:43	0	0
2	2/26/2020 7:58	0	0
3	2/26/2020 8:13	0	0
4	2/26/2020 8:28	0	0
5	2/26/2020 8:43	0	0
6	2/26/2020 8:58	0	0
7	2/26/2020 9:13	0	0
8	2/26/2020 9:28	0	0
9	2/26/2020 9:43	0	0
10	2/26/2020 9:58	0	0
11	2/26/2020 10:13	0	0

12	2/26/2020 10:28	0	0
13	2/26/2020 10:43	0	0
14	2/26/2020 10:58	0	0
15	2/26/2020 11:13	0	0
16	2/26/2020 11:28	0	0
17	2/26/2020 11:43	0	0
18	2/26/2020 11:58	0	0
19	2/26/2020 12:13	0	0
20	2/26/2020 12:28	0	0
21	2/26/2020 12:43	0	0
22	2/26/2020 12:58	0	0
23	2/26/2020 13:13	0	0
24	2/26/2020 13:28	0	0
25	2/26/2020 13:43	0	0
26	2/26/2020 13:58	0	0
27	2/26/2020 14:13	0	0
28	2/26/2020 14:28	0	0
29	2/26/2020 14:43	0	0
30	2/26/2020 14:58	0	0
31	2/26/2020 15:13	0	0
32	2/26/2020 15:28	0	0
33	2/26/2020 15:43	0	0

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20/02/27 08:02
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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-907676
Unit Firmware Ver	V2.20A

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Battery Low

Site ID	12345678
User ID	12345678

Begin	2/27/2020 8:02
End	2/27/2020 9:48
Sample Period(s)	900
Number of Records	7

Sensor	PID(ppm)
Sensor SN	S023030130U6
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	12/27/2019 14:06
Peak	0
Min	0
Average	0

****
Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	2/27/2020 8:17	0	0	0
2	2/27/2020 8:32	0	0	0
3	2/27/2020 8:47	0	0	0
4	2/27/2020 9:02	0	0	0
5	2/27/2020 9:17	0	0	0

	6	2/27/2020 9:32	0	0	0
	7	2/27/2020 9:47	0	0	0
Peak			0	0	0
Min			0	0	0
Average			0	0	0

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TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	2/27/2020 8:17	0	0
2	2/27/2020 8:32	0	0
3	2/27/2020 8:47	0	0
4	2/27/2020 9:02	0	0
5	2/27/2020 9:17	0	0
6	2/27/2020 9:32	0	0
7	2/27/2020 9:47	0	0

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20/02/27 12:21
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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-907676
Unit Firmware Ver	V2.20A

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Battery Low

Site ID	12345678
User ID	12345678

Begin	2/27/2020 12:21
End	2/27/2020 15:26
Sample Period(s)	900
Number of Records	12

Sensor	PID(ppm)
Sensor SN	S023030130U6
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	12/27/2019 14:06
Peak	1.5
Min	0
Average	0.1

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Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	2/27/2020 12:36	0	0	0
2	2/27/2020 12:51	0	0	0
3	2/27/2020 13:06	0	0.2	0
4	2/27/2020 13:21	0	0	0
5	2/27/2020 13:36	0	0	0

	6	2/27/2020 13:51	0	0	0
	7	2/27/2020 14:06	0.1	10.1	1.5
	8	2/27/2020 14:21	0.2	2.7	0
	9	2/27/2020 14:36	0	0	0
	10	2/27/2020 14:51	0	0	0
	11	2/27/2020 15:06	0	0	0
	12	2/27/2020 15:21	0	0	0
Peak			0.2	10.1	1.5
Min			0	0	0
Average			0	1.1	0.1

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	2/27/2020 12:36	0	0
2	2/27/2020 12:51	0	0
3	2/27/2020 13:06	0	0
4	2/27/2020 13:21	0	0
5	2/27/2020 13:36	0	0
6	2/27/2020 13:51	0	0
7	2/27/2020 14:06	0	1.5
8	2/27/2020 14:21	0	1.5
9	2/27/2020 14:36	0	0
10	2/27/2020 14:51	0	0
11	2/27/2020 15:06	0	0
12	2/27/2020 15:21	0	0

==========
20/02/28 08:17
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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-907676
Unit Firmware Ver	V2.20A

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Battery Low

Site ID	12345678
User ID	12345678

Begin	2/28/2020 8:17
End	2/28/2020 10:28
Sample Period(s)	900
Number of Records	8

Sensor	PID(ppm)
Sensor SN	S023030130U6
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	12/27/2019 14:06
Peak	0
Min	0
Average	0

****
Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	2/28/2020 8:32	0	0	0
2	2/28/2020 8:47	0	0	0
3	2/28/2020 9:02	0	0	0
4	2/28/2020 9:17	0	0	0
5	2/28/2020 9:32	0	0	0

	6	2/28/2020 9:47	0	0	0
	7	2/28/2020 10:02	0	0	0
	8	2/28/2020 10:17	0	0	0
Peak			0	0	0
Min			0	0	0
Average			0	0	0

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	2/28/2020 8:32	0	0
2	2/28/2020 8:47	0	0
3	2/28/2020 9:02	0	0
4	2/28/2020 9:17	0	0
5	2/28/2020 9:32	0	0
6	2/28/2020 9:47	0	0
7	2/28/2020 10:02	0	0
8	2/28/2020 10:17	0	0

==========
20/02/28 10:50
****
Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-907676
Unit Firmware Ver	V2.20A
Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Battery Low
Site ID	12345678
User ID	12345678
Begin	2/28/2020 10:50
End	2/28/2020 13:20
Sample Period(s)	900
Number of Records	10
Sensor	PID(ppm)
Sensor SN	S023030130U6
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	12/27/2019 14:06
Peak	0
Min	0
Average	0

****
Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	2/28/2020 11:05	0	0	0
2	2/28/2020 11:20	0	0	0
3	2/28/2020 11:35	0	0	0
4	2/28/2020 11:50	0	0	0
5	2/28/2020 12:05	0	0	0

	6	2/28/2020 12:20	0	0	0
	7	2/28/2020 12:35	0	0	0
	8	2/28/2020 12:50	0	0	0
	9	2/28/2020 13:05	0	0	0
	10	2/28/2020 13:20	0	0	0
Peak			0	0	0
Min			0	0	0
Average			0	0	0

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	2/28/2020 11:05	0	0
2	2/28/2020 11:20	0	0
3	2/28/2020 11:35	0	0
4	2/28/2020 11:50	0	0
5	2/28/2020 12:05	0	0
6	2/28/2020 12:20	0	0
7	2/28/2020 12:35	0	0
8	2/28/2020 12:50	0	0
9	2/28/2020 13:05	0	0
10	2/28/2020 13:20	0	0

March 2020
Doorway PID Data

==========
20/03/02 08:02
****
Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-907676
Unit Firmware Ver	V2.20A
Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down
Site ID	12345678
User ID	12345678
Begin	3/2/2020 8:02
End	3/2/2020 14:53
Sample Period(s)	900
Number of Records	27
Sensor	PID(ppm)
Sensor SN	S023030130U6
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	12/27/2019 14:06
Peak	0
Min	0
Average	0

****
Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	3/2/2020 8:17	0	0	0
2	3/2/2020 8:32	0	0	0
3	3/2/2020 8:47	0	0	0
4	3/2/2020 9:02	0	0	0
5	3/2/2020 9:17	0	0	0

6	3/2/2020 9:32	0	0.1	0
7	3/2/2020 9:47	0	0	0
8	3/2/2020 10:02	0	0	0
9	3/2/2020 10:17	0	0	0
10	3/2/2020 10:32	0	0	0
11	3/2/2020 10:47	0	0	0
12	3/2/2020 11:02	0	0	0
13	3/2/2020 11:17	0	0	0
14	3/2/2020 11:32	0	0	0
15	3/2/2020 11:47	0	0	0
16	3/2/2020 12:02	0	0	0
17	3/2/2020 12:17	0	0	0
18	3/2/2020 12:32	0	0	0
19	3/2/2020 12:47	0	0	0
20	3/2/2020 13:02	0	0	0
21	3/2/2020 13:17	0	0	0
22	3/2/2020 13:32	0	0	0
23	3/2/2020 13:47	0	0	0
24	3/2/2020 14:02	0	0	0
25	3/2/2020 14:17	0	0	0
26	3/2/2020 14:32	0	0	0
27	3/2/2020 14:47	0	0	0
Peak		0	0.1	0
Min		0	0	0
Average		0	0	0

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	3/2/2020 8:17	0	0
2	3/2/2020 8:32	0	0
3	3/2/2020 8:47	0	0
4	3/2/2020 9:02	0	0
5	3/2/2020 9:17	0	0
6	3/2/2020 9:32	0	0
7	3/2/2020 9:47	0	0
8	3/2/2020 10:02	0	0
9	3/2/2020 10:17	0	0
10	3/2/2020 10:32	0	0
11	3/2/2020 10:47	0	0
12	3/2/2020 11:02	0	0
13	3/2/2020 11:17	0	0
14	3/2/2020 11:32	0	0
15	3/2/2020 11:47	0	0
16	3/2/2020 12:02	0	0
17	3/2/2020 12:17	0	0

18	3/2/2020 12:32	0	0
19	3/2/2020 12:47	0	0
20	3/2/2020 13:02	0	0
21	3/2/2020 13:17	0	0
22	3/2/2020 13:32	0	0
23	3/2/2020 13:47	0	0
24	3/2/2020 14:02	0	0
25	3/2/2020 14:17	0	0
26	3/2/2020 14:32	0	0
27	3/2/2020 14:47	0	0

==========
20/03/03 07:53
****
Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-907676
Unit Firmware Ver	V2.20A
Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Battery Low
Site ID	12345678
User ID	12345678
Begin	3/3/2020 7:53
End	3/3/2020 10:48
Sample Period(s)	900
Number of Records	11
Sensor	PID(ppm)
Sensor SN	S023030130U6
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	12/27/2019 14:06
Peak	0
Min	0
Average	0

****
Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	3/3/2020 8:08	0	0	0
2	3/3/2020 8:23	0	0	0
3	3/3/2020 8:38	0	0	0
4	3/3/2020 8:53	0	0	0
5	3/3/2020 9:08	0	0	0

6	3/3/2020 9:23	0	0	0
7	3/3/2020 9:38	0	0	0
8	3/3/2020 9:53	0	0	0
9	3/3/2020 10:08	0	0	0
10	3/3/2020 10:23	0	0	0
11	3/3/2020 10:38	0	0	0
Peak		0	0	0
Min		0	0	0
Average		0	0	0

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	3/3/2020 8:08	0	0
2	3/3/2020 8:23	0	0
3	3/3/2020 8:38	0	0
4	3/3/2020 8:53	0	0
5	3/3/2020 9:08	0	0
6	3/3/2020 9:23	0	0
7	3/3/2020 9:38	0	0
8	3/3/2020 9:53	0	0
9	3/3/2020 10:08	0	0
10	3/3/2020 10:23	0	0
11	3/3/2020 10:38	0	0

==========
20/03/03 12:35
****
Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-907676
Unit Firmware Ver	V2.20A
Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Battery Low
Site ID	12345678
User ID	12345678
Begin	3/3/2020 12:35
End	3/3/2020 16:06
Sample Period(s)	900
Number of Records	14
Sensor	PID(ppm)
Sensor SN	S023030130U6
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	12/27/2019 14:06
Peak	0
Min	0
Average	0

****
Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	3/3/2020 12:50	0	0	0
2	3/3/2020 13:05	0	0	0
3	3/3/2020 13:20	0	0	0
4	3/3/2020 13:35	0	0	0
5	3/3/2020 13:50	0	0	0

	6	3/3/2020 14:05	0	0	0
	7	3/3/2020 14:20	0	0	0
	8	3/3/2020 14:35	0	0	0
	9	3/3/2020 14:50	0	0	0
	10	3/3/2020 15:05	0	0	0
	11	3/3/2020 15:20	0	0	0
	12	3/3/2020 15:35	0	0	0
	13	3/3/2020 15:50	0	0	0
	14	3/3/2020 16:05	0	0	0
Peak			0	0	0
Min			0	0	0
Average			0	0	0

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	3/3/2020 12:50	0	0
2	3/3/2020 13:05	0	0
3	3/3/2020 13:20	0	0
4	3/3/2020 13:35	0	0
5	3/3/2020 13:50	0	0
6	3/3/2020 14:05	0	0
7	3/3/2020 14:20	0	0
8	3/3/2020 14:35	0	0
9	3/3/2020 14:50	0	0
10	3/3/2020 15:05	0	0
11	3/3/2020 15:20	0	0
12	3/3/2020 15:35	0	0
13	3/3/2020 15:50	0	0
14	3/3/2020 16:05	0	0

==========
20/03/04 08:04
****
Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-907676
Unit Firmware Ver	V2.20A

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Battery Low

Site ID	12345678
User ID	12345678

Begin	3/4/2020 8:04
End	3/4/2020 14:06
Sample Period(s)	900
Number of Records	24

Sensor	PID(ppm)
Sensor SN	S023030130U6
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	12/27/2019 14:06
Peak	0
Min	0
Average	0

****
Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	3/4/2020 8:19	0	0	0
2	3/4/2020 8:34	0	0	0
3	3/4/2020 8:49	0	0	0
4	3/4/2020 9:04	0	0	0
5	3/4/2020 9:19	0	0	0

6	3/4/2020 9:34	0	0	0
7	3/4/2020 9:49	0	0	0
8	3/4/2020 10:04	0	0	0
9	3/4/2020 10:19	0	0	0
10	3/4/2020 10:34	0	0	0
11	3/4/2020 10:49	0	0	0
12	3/4/2020 11:04	0	0	0
13	3/4/2020 11:19	0	0	0
14	3/4/2020 11:34	0	0	0
15	3/4/2020 11:49	0	0	0
16	3/4/2020 12:04	0	0	0
17	3/4/2020 12:19	0	0	0
18	3/4/2020 12:34	0	0.5	0
19	3/4/2020 12:49	0	0	0
20	3/4/2020 13:04	0	0	0
21	3/4/2020 13:19	0	0	0
22	3/4/2020 13:34	0	0	0
23	3/4/2020 13:49	0	0	0
24	3/4/2020 14:04	0	0	0
Peak		0	0.5	0
Min		0	0	0
Average		0	0	0

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	3/4/2020 8:19	0	0
2	3/4/2020 8:34	0	0
3	3/4/2020 8:49	0	0
4	3/4/2020 9:04	0	0
5	3/4/2020 9:19	0	0
6	3/4/2020 9:34	0	0
7	3/4/2020 9:49	0	0
8	3/4/2020 10:04	0	0
9	3/4/2020 10:19	0	0
10	3/4/2020 10:34	0	0
11	3/4/2020 10:49	0	0
12	3/4/2020 11:04	0	0
13	3/4/2020 11:19	0	0
14	3/4/2020 11:34	0	0
15	3/4/2020 11:49	0	0
16	3/4/2020 12:04	0	0
17	3/4/2020 12:19	0	0
18	3/4/2020 12:34	0	0
19	3/4/2020 12:49	0	0
20	3/4/2020 13:04	0	0

21	3/4/2020 13:19	0	0
22	3/4/2020 13:34	0	0
23	3/4/2020 13:49	0	0
24	3/4/2020 14:04	0	0

==========
20/03/04 14:24
****
Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-907676
Unit Firmware Ver	V2.20A
Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down
Site ID	12345678
User ID	12345678
Begin	3/4/2020 14:24
End	3/4/2020 15:46
Sample Period(s)	900
Number of Records	5
Sensor	PID(ppm)
Sensor SN	S023030130U6
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	12/27/2019 14:06
Peak	0
Min	0
Average	0

****
Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	3/4/2020 14:39	0	0	0
2	3/4/2020 14:54	0	0	0
3	3/4/2020 15:09	0	0	0
4	3/4/2020 15:24	0	0	0
5	3/4/2020 15:39	0	0	0

Peak	0	0	0
Min	0	0	0
Average	0	0	0

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	3/4/2020 14:39	0	0
2	3/4/2020 14:54	0	0
3	3/4/2020 15:09	0	0
4	3/4/2020 15:24	0	0
5	3/4/2020 15:39	0	0

==========
20/03/05 07:51
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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-907676
Unit Firmware Ver	V2.20A

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Battery Low

Site ID	12345678
User ID	12345678

Begin	3/5/2020 7:51
End	3/5/2020 9:49
Sample Period(s)	900
Number of Records	7

Sensor	PID(ppm)
Sensor SN	S023030130U6
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	12/27/2019 14:06
Peak	0
Min	0
Average	0

****

Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	3/5/2020 8:06	0	0	0
2	3/5/2020 8:21	0	0	0
3	3/5/2020 8:36	0	0	0
4	3/5/2020 8:51	0	0	0
5	3/5/2020 9:06	0	0	0

	6	3/5/2020 9:21	0	0	0
	7	3/5/2020 9:36	0	0	0
Peak			0	0	0
Min			0	0	0
Average			0	0	0

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	3/5/2020 8:06	0	0
2	3/5/2020 8:21	0	0
3	3/5/2020 8:36	0	0
4	3/5/2020 8:51	0	0
5	3/5/2020 9:06	0	0
6	3/5/2020 9:21	0	0
7	3/5/2020 9:36	0	0

==========
20/03/05 10:19
****
Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-907676
Unit Firmware Ver	V2.20A
Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down
Site ID	12345678
User ID	12345678
Begin	3/5/2020 10:19
End	3/5/2020 13:01
Sample Period(s)	900
Number of Records	10
Sensor	PID(ppm)
Sensor SN	S023030130U6
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	12/27/2019 14:06
Peak	0
Min	0
Average	0

****
Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	3/5/2020 10:34	0	0	0
2	3/5/2020 10:49	0	0	0
3	3/5/2020 11:04	0	0	0
4	3/5/2020 11:19	0	0	0
5	3/5/2020 11:34	0	0	0

	6	3/5/2020 11:49	0	0	0
	7	3/5/2020 12:04	0	0	0
	8	3/5/2020 12:19	0	0	0
	9	3/5/2020 12:34	0	0	0
	10	3/5/2020 12:49	0	0	0
Peak			0	0	0
Min			0	0	0
Average			0	0	0

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	3/5/2020 10:34	0	0
2	3/5/2020 10:49	0	0
3	3/5/2020 11:04	0	0
4	3/5/2020 11:19	0	0
5	3/5/2020 11:34	0	0
6	3/5/2020 11:49	0	0
7	3/5/2020 12:04	0	0
8	3/5/2020 12:19	0	0
9	3/5/2020 12:34	0	0
10	3/5/2020 12:49	0	0

==========
20/04/02 07:19
****
Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-905938
Unit Firmware Ver	V2.20A
Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Pause in Menu Mode
Site ID	12345678
User ID	12345678
Begin	4/2/2020 7:19
End	4/2/2020 7:22
Sample Period(s)	60
Number of Records	3
Sensor	PID(ppm)
Sensor SN	S023030077U1
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	3/31/2020 11:34
Peak	0
Min	0
Average	0

****
Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	4/2/2020 7:20	0	0	0
2	4/2/2020 7:21	0	0	0
3	4/2/2020 7:22	0	0	0
Peak		0	0	0
Min		0	0	0

Average	0	0	0

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	4/2/2020 7:20	0	---
2	4/2/2020 7:21	0	---
3	4/2/2020 7:22	0	---

==========
20/04/02 14:13
****
Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-905938
Unit Firmware Ver	V2.20A
Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down
Site ID	12345678
User ID	12345678
Begin	4/2/2020 14:13
End	4/2/2020 15:58
Sample Period(s)	900
Number of Records	6
Sensor	PID(ppm)
Sensor SN	S023030077U1
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	3/31/2020 11:34
Peak	0
Min	0
Average	0

****
Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	4/2/2020 14:28	0	0	0
2	4/2/2020 14:43	0	0	0
3	4/2/2020 14:58	0	0	0
4	4/2/2020 15:13	0	0	0
5	4/2/2020 15:28	0	0	0

	6	4/2/2020 15:43	0	0	0
Peak			0	0	0
Min			0	0	0
Average			0	0	0

****

TWA/STEL

Index		Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
	1	4/2/2020 14:28	0	0
	2	4/2/2020 14:43	0	0
	3	4/2/2020 14:58	0	0
	4	4/2/2020 15:13	0	0
	5	4/2/2020 15:28	0	0
	6	4/2/2020 15:43	0	0

==========
20/04/03 07:04
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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-905938
Unit Firmware Ver	V2.20A
Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Battery Low
Site ID	12345678
User ID	12345678
Begin	4/3/2020 7:04
End	4/3/2020 17:29
Sample Period(s)	900
Number of Records	41
Sensor	PID(ppm)
Sensor SN	S023030077U1
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	3/31/2020 11:34
Peak	0.2
Min	0
Average	0

****
Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	4/3/2020 7:19	0	0	0
2	4/3/2020 7:34	0	0	0
3	4/3/2020 7:49	0	0	0
4	4/3/2020 8:04	0	0.8	0
5	4/3/2020 8:19	0	0.4	0

6	4/3/2020 8:34	0	0.1	0
7	4/3/2020 8:49	0	0.1	0
8	4/3/2020 9:04	0	0	0
9	4/3/2020 9:19	0	0	0
10	4/3/2020 9:34	0	0	0
11	4/3/2020 9:49	0	0	0
12	4/3/2020 10:04	0	0	0
13	4/3/2020 10:19	0	0.9	0
14	4/3/2020 10:34	0	0.4	0.2
15	4/3/2020 10:49	0	0.2	0
16	4/3/2020 11:04	0	0	0
17	4/3/2020 11:19	0	0	0
18	4/3/2020 11:34	0	0.4	0
19	4/3/2020 11:49	0	0	0
20	4/3/2020 12:04	0	0	0
21	4/3/2020 12:19	0	0	0
22	4/3/2020 12:34	0	0	0
23	4/3/2020 12:49	0	0	0
24	4/3/2020 13:04	0	0	0
25	4/3/2020 13:19	0	0.2	0
26	4/3/2020 13:34	0	0	0
27	4/3/2020 13:49	0	0	0
28	4/3/2020 14:04	0	0	0
29	4/3/2020 14:19	0	0	0
30	4/3/2020 14:34	0	0	0
31	4/3/2020 14:49	0	0	0
32	4/3/2020 15:04	0	0	0
33	4/3/2020 15:19	0	0	0
34	4/3/2020 15:34	0	0	0
35	4/3/2020 15:49	0	0	0
36	4/3/2020 16:04	0	0	0
37	4/3/2020 16:19	0	0	0
38	4/3/2020 16:34	0	0	0
39	4/3/2020 16:49	0	0	0
40	4/3/2020 17:04	0	0	0
41	4/3/2020 17:19	0	0	0
Peak		0	0.9	0.2
Min		0	0	0
Average		0	0.1	0

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TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	4/3/2020 7:19	0	0
2	4/3/2020 7:34	0	0
3	4/3/2020 7:49	0	0

4	4/3/2020 8:04	0	0
5	4/3/2020 8:19	0	0
6	4/3/2020 8:34	0	0
7	4/3/2020 8:49	0	0
8	4/3/2020 9:04	0	0
9	4/3/2020 9:19	0	0
10	4/3/2020 9:34	0	0
11	4/3/2020 9:49	0	0
12	4/3/2020 10:04	0	0
13	4/3/2020 10:19	0	0
14	4/3/2020 10:34	0	0.2
15	4/3/2020 10:49	0	0.2
16	4/3/2020 11:04	0	0
17	4/3/2020 11:19	0	0
18	4/3/2020 11:34	0	0
19	4/3/2020 11:49	0	0
20	4/3/2020 12:04	0	0
21	4/3/2020 12:19	0	0
22	4/3/2020 12:34	0	0
23	4/3/2020 12:49	0	0
24	4/3/2020 13:04	0	0
25	4/3/2020 13:19	0	0
26	4/3/2020 13:34	0	0
27	4/3/2020 13:49	0	0
28	4/3/2020 14:04	0	0
29	4/3/2020 14:19	0	0
30	4/3/2020 14:34	0	0
31	4/3/2020 14:49	0	0
32	4/3/2020 15:04	0	0
33	4/3/2020 15:19	0	0
34	4/3/2020 15:34	0	0
35	4/3/2020 15:49	0	0
36	4/3/2020 16:04	0	0
37	4/3/2020 16:19	0	0
38	4/3/2020 16:34	0	0
39	4/3/2020 16:49	0	0
40	4/3/2020 17:04	0	0
41	4/3/2020 17:19	0	0

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20/04/04 06:57
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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-905938
Unit Firmware Ver	V2.20A
Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down
Site ID	12345678
User ID	12345678
Begin	4/4/2020 6:57
End	4/4/2020 14:22
Sample Period(s)	900
Number of Records	29
Sensor	PID(ppm)
Sensor SN	S023030077U1
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	3/31/2020 11:34
Peak	0
Min	0
Average	0

****
Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	4/4/2020 7:12	0	0	0
2	4/4/2020 7:27	0	0	0
3	4/4/2020 7:42	0	0	0
4	4/4/2020 7:57	0	0	0
5	4/4/2020 8:12	0	0	0

6	4/4/2020 8:27	0	0	0
7	4/4/2020 8:42	0	0	0
8	4/4/2020 8:57	0	0	0
9	4/4/2020 9:12	0	0	0
10	4/4/2020 9:27	0	0	0
11	4/4/2020 9:42	0	0	0
12	4/4/2020 9:57	0	0	0
13	4/4/2020 10:12	0	0	0
14	4/4/2020 10:27	0	0	0
15	4/4/2020 10:42	0	0	0
16	4/4/2020 10:57	0	0	0
17	4/4/2020 11:12	0	0	0
18	4/4/2020 11:27	0	0	0
19	4/4/2020 11:42	0	0	0
20	4/4/2020 11:57	0	0	0
21	4/4/2020 12:12	0	0	0
22	4/4/2020 12:27	0	0	0
23	4/4/2020 12:42	0	0	0
24	4/4/2020 12:57	0	0	0
25	4/4/2020 13:12	0	0	0
26	4/4/2020 13:27	0	0	0
27	4/4/2020 13:42	0	0	0
28	4/4/2020 13:57	0	0	0
29	4/4/2020 14:12	0	0	0
Peak		0	0	0
Min		0	0	0
Average		0	0	0

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TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	4/4/2020 7:12	0	0
2	4/4/2020 7:27	0	0
3	4/4/2020 7:42	0	0
4	4/4/2020 7:57	0	0
5	4/4/2020 8:12	0	0
6	4/4/2020 8:27	0	0
7	4/4/2020 8:42	0	0
8	4/4/2020 8:57	0	0
9	4/4/2020 9:12	0	0
10	4/4/2020 9:27	0	0
11	4/4/2020 9:42	0	0
12	4/4/2020 9:57	0	0
13	4/4/2020 10:12	0	0
14	4/4/2020 10:27	0	0
15	4/4/2020 10:42	0	0

16	4/4/2020 10:57	0	0
17	4/4/2020 11:12	0	0
18	4/4/2020 11:27	0	0
19	4/4/2020 11:42	0	0
20	4/4/2020 11:57	0	0
21	4/4/2020 12:12	0	0
22	4/4/2020 12:27	0	0
23	4/4/2020 12:42	0	0
24	4/4/2020 12:57	0	0
25	4/4/2020 13:12	0	0
26	4/4/2020 13:27	0	0
27	4/4/2020 13:42	0	0
28	4/4/2020 13:57	0	0
29	4/4/2020 14:12	0	0

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20/04/06 07:21
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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-905938
Unit Firmware Ver	V2.20A
Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down
Site ID	12345678
User ID	12345678
Begin	4/6/2020 7:21
End	4/6/2020 15:42
Sample Period(s)	900
Number of Records	33
Sensor	PID(ppm)
Sensor SN	S023030077U1
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	3/31/2020 11:34
Peak	0
Min	0
Average	0

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Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	4/6/2020 7:36	0	0	0
2	4/6/2020 7:51	0	0	0
3	4/6/2020 8:06	0	0	0
4	4/6/2020 8:21	0	0	0
5	4/6/2020 8:36	0	0	0

6	4/6/2020 8:51	0	0	0
7	4/6/2020 9:06	0	0	0
8	4/6/2020 9:21	0	0	0
9	4/6/2020 9:36	0	3.6	0
10	4/6/2020 9:51	0	0	0
11	4/6/2020 10:06	0	0	0
12	4/6/2020 10:21	0	0.2	0
13	4/6/2020 10:36	0	0.6	0
14	4/6/2020 10:51	0	0.6	0
15	4/6/2020 11:06	0	0	0
16	4/6/2020 11:21	0	0.3	0
17	4/6/2020 11:36	0	0.1	0
18	4/6/2020 11:51	0	0	0
19	4/6/2020 12:06	0	0.2	0
20	4/6/2020 12:21	0	0.1	0
21	4/6/2020 12:36	0	0.2	0
22	4/6/2020 12:51	0	0.7	0
23	4/6/2020 13:06	0	0.8	0
24	4/6/2020 13:21	0.1	1	0
25	4/6/2020 13:36	0	0.3	0
26	4/6/2020 13:51	0	0	0
27	4/6/2020 14:06	0	0	0
28	4/6/2020 14:21	0	0	0
29	4/6/2020 14:36	0	0	0
30	4/6/2020 14:51	0	0.1	0
31	4/6/2020 15:06	0	0	0
32	4/6/2020 15:21	0	0	0
33	4/6/2020 15:36	0	0	0
Peak		0.1	3.6	0
Min		0	0	0
Average		0	0.3	0

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TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	4/6/2020 7:36	0	0
2	4/6/2020 7:51	0	0
3	4/6/2020 8:06	0	0
4	4/6/2020 8:21	0	0
5	4/6/2020 8:36	0	0
6	4/6/2020 8:51	0	0
7	4/6/2020 9:06	0	0
8	4/6/2020 9:21	0	0
9	4/6/2020 9:36	0	0
10	4/6/2020 9:51	0	0
11	4/6/2020 10:06	0	0

12	4/6/2020 10:21	0	0
13	4/6/2020 10:36	0	0
14	4/6/2020 10:51	0	0
15	4/6/2020 11:06	0	0
16	4/6/2020 11:21	0	0
17	4/6/2020 11:36	0	0
18	4/6/2020 11:51	0	0
19	4/6/2020 12:06	0	0
20	4/6/2020 12:21	0	0
21	4/6/2020 12:36	0	0
22	4/6/2020 12:51	0	0
23	4/6/2020 13:06	0	0
24	4/6/2020 13:21	0	0
25	4/6/2020 13:36	0	0
26	4/6/2020 13:51	0	0
27	4/6/2020 14:06	0	0
28	4/6/2020 14:21	0	0
29	4/6/2020 14:36	0	0
30	4/6/2020 14:51	0	0
31	4/6/2020 15:06	0	0
32	4/6/2020 15:21	0	0
33	4/6/2020 15:36	0	0

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20/04/07 07:07
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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-905938
Unit Firmware Ver	V2.20A
Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down
Site ID	12345678
User ID	12345678
Begin	4/7/2020 7:07
End	4/7/2020 15:17
Sample Period(s)	900
Number of Records	32
Sensor	PID(ppm)
Sensor SN	S023030077U1
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	3/31/2020 11:34
Peak	1.3
Min	0
Average	0

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Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	4/7/2020 7:22	0	0	0
2	4/7/2020 7:37	0	0	0
3	4/7/2020 7:52	0	0	0
4	4/7/2020 8:07	0	0	0
5	4/7/2020 8:22	0	0	0

	6	4/7/2020 8:37	21	174	1.3
	7	4/7/2020 8:52	0.1	1.4	0
	8	4/7/2020 9:07	0	0	0
	9	4/7/2020 9:22	0	0.3	0
	10	4/7/2020 9:37	0	0.1	0
	11	4/7/2020 9:52	0	0	0
	12	4/7/2020 10:07	0	0	0
	13	4/7/2020 10:22	0	0.1	0
	14	4/7/2020 10:37	0	2.2	0
	15	4/7/2020 10:52	0	0.6	0
	16	4/7/2020 11:07	0	0.9	0
	17	4/7/2020 11:22	0	2	0
	18	4/7/2020 11:37	0.1	1.5	0
	19	4/7/2020 11:52	0.2	2.1	0
	20	4/7/2020 12:07	0	1.4	0
	21	4/7/2020 12:22	0	2.2	0
	22	4/7/2020 12:37	0	0.1	0
	23	4/7/2020 12:52	0	0.2	0
	24	4/7/2020 13:07	0	0.1	0
	25	4/7/2020 13:22	0	0.1	0
	26	4/7/2020 13:37	0	0.8	0
	27	4/7/2020 13:52	0	0.7	0.1
	28	4/7/2020 14:07	0	0.6	0
	29	4/7/2020 14:22	0	0.2	0
	30	4/7/2020 14:37	0	0.3	0
	31	4/7/2020 14:52	0	0.3	0
	32	4/7/2020 15:07	0	0	0
Peak			21	174	1.3
Min			0	0	0
Average			0.7	6	0

Spike Caused by PVC glue used by plumber next to CAMP.

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TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	4/7/2020 7:22	0	0
2	4/7/2020 7:37	0	0
3	4/7/2020 7:52	0	0
4	4/7/2020 8:07	0	0
5	4/7/2020 8:22	0	0
6	4/7/2020 8:37	0	1.3
7	4/7/2020 8:52	0	1.3
8	4/7/2020 9:07	0	0
9	4/7/2020 9:22	0	0
10	4/7/2020 9:37	0	0
11	4/7/2020 9:52	0	0
12	4/7/2020 10:07	0	0

13	4/7/2020 10:22	0	0
14	4/7/2020 10:37	0	0
15	4/7/2020 10:52	0	0
16	4/7/2020 11:07	0	0
17	4/7/2020 11:22	0	0
18	4/7/2020 11:37	0	0
19	4/7/2020 11:52	0	0
20	4/7/2020 12:07	0	0
21	4/7/2020 12:22	0	0
22	4/7/2020 12:37	0	0
23	4/7/2020 12:52	0	0
24	4/7/2020 13:07	0	0
25	4/7/2020 13:22	0	0
26	4/7/2020 13:37	0	0
27	4/7/2020 13:52	0	0.1
28	4/7/2020 14:07	0	0.1
29	4/7/2020 14:22	0	0
30	4/7/2020 14:37	0	0
31	4/7/2020 14:52	0	0
32	4/7/2020 15:07	0	0

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20/04/08 07:12
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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-905938
Unit Firmware Ver	V2.20A
Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down
Site ID	12345678
User ID	12345678
Begin	4/8/2020 7:12
End	4/8/2020 15:02
Sample Period(s)	900
Number of Records	31
Sensor	PID(ppm)
Sensor SN	S023030077U1
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	3/31/2020 11:34
Peak	0
Min	0
Average	0

****
Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	4/8/2020 7:27	0	0	0
2	4/8/2020 7:42	0	0	0
3	4/8/2020 7:57	0	0	0
4	4/8/2020 8:12	0	0	0
5	4/8/2020 8:27	0	0	0

6	4/8/2020 8:42	0	0	0
7	4/8/2020 8:57	0	0	0
8	4/8/2020 9:12	0	0.1	0
9	4/8/2020 9:27	0	0	0
10	4/8/2020 9:42	0	0	0
11	4/8/2020 9:57	0	0	0
12	4/8/2020 10:12	0	0	0
13	4/8/2020 10:27	0	0	0
14	4/8/2020 10:42	0	0	0
15	4/8/2020 10:57	0	0	0
16	4/8/2020 11:12	0	0	0
17	4/8/2020 11:27	0	0	0
18	4/8/2020 11:42	0	0	0
19	4/8/2020 11:57	0	0	0
20	4/8/2020 12:12	0	0	0
21	4/8/2020 12:27	0	0	0
22	4/8/2020 12:42	0	0	0
23	4/8/2020 12:57	0	0	0
24	4/8/2020 13:12	0	0	0
25	4/8/2020 13:27	0	0.2	0
26	4/8/2020 13:42	0	0	0
27	4/8/2020 13:57	0	0	0
28	4/8/2020 14:12	0	0	0
29	4/8/2020 14:27	0	0	0
30	4/8/2020 14:42	0	0	0
31	4/8/2020 14:57	0	0	0
Peak		0	0.2	0
Min		0	0	0
Average		0	0	0

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TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	4/8/2020 7:27	0	0
2	4/8/2020 7:42	0	0
3	4/8/2020 7:57	0	0
4	4/8/2020 8:12	0	0
5	4/8/2020 8:27	0	0
6	4/8/2020 8:42	0	0
7	4/8/2020 8:57	0	0
8	4/8/2020 9:12	0	0
9	4/8/2020 9:27	0	0
10	4/8/2020 9:42	0	0
11	4/8/2020 9:57	0	0
12	4/8/2020 10:12	0	0
13	4/8/2020 10:27	0	0

14	4/8/2020 10:42	0	0
15	4/8/2020 10:57	0	0
16	4/8/2020 11:12	0	0
17	4/8/2020 11:27	0	0
18	4/8/2020 11:42	0	0
19	4/8/2020 11:57	0	0
20	4/8/2020 12:12	0	0
21	4/8/2020 12:27	0	0
22	4/8/2020 12:42	0	0
23	4/8/2020 12:57	0	0
24	4/8/2020 13:12	0	0
25	4/8/2020 13:27	0	0
26	4/8/2020 13:42	0	0
27	4/8/2020 13:57	0	0
28	4/8/2020 14:12	0	0
29	4/8/2020 14:27	0	0
30	4/8/2020 14:42	0	0
31	4/8/2020 14:57	0	0

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20/04/13 07:16
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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-905938
Unit Firmware Ver	V2.20A
Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down
Site ID	12345678
User ID	12345678
Begin	4/13/2020 7:16
End	4/13/2020 11:10
Sample Period(s)	900
Number of Records	15
Sensor	PID(ppm)
Sensor SN	S023030077U1
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	3/31/2020 11:34
Peak	0
Min	0
Average	0

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Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	4/13/2020 7:31	0	0	0
2	4/13/2020 7:46	0	0	0
3	4/13/2020 8:01	0	0	0
4	4/13/2020 8:16	0	0	0
5	4/13/2020 8:31	0	0	0

6	4/13/2020 8:46	0	0	0
7	4/13/2020 9:01	0	0	0
8	4/13/2020 9:16	0	0	0
9	4/13/2020 9:31	0	0	0
10	4/13/2020 9:46	0	0	0
11	4/13/2020 10:01	0	0	0
12	4/13/2020 10:16	0	0	0
13	4/13/2020 10:31	0	0	0
14	4/13/2020 10:46	0	0	0
15	4/13/2020 11:01	0	0	0
Peak		0	0	0
Min		0	0	0
Average		0	0	0

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TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	4/13/2020 7:31	0	0
2	4/13/2020 7:46	0	0
3	4/13/2020 8:01	0	0
4	4/13/2020 8:16	0	0
5	4/13/2020 8:31	0	0
6	4/13/2020 8:46	0	0
7	4/13/2020 9:01	0	0
8	4/13/2020 9:16	0	0
9	4/13/2020 9:31	0	0
10	4/13/2020 9:46	0	0
11	4/13/2020 10:01	0	0
12	4/13/2020 10:16	0	0
13	4/13/2020 10:31	0	0
14	4/13/2020 10:46	0	0
15	4/13/2020 11:01	0	0

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20/04/14 06:59
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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-905938
Unit Firmware Ver	V2.20A
Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down
Site ID	12345678
User ID	12345678
Begin	4/14/2020 6:59
End	4/14/2020 15:14
Sample Period(s)	900
Number of Records	33
Sensor	PID(ppm)
Sensor SN	S023030077U1
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	3/31/2020 11:34
Peak	0
Min	0
Average	0

****
Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	4/14/2020 7:14	0	0	0
2	4/14/2020 7:29	0	0	0
3	4/14/2020 7:44	0	0	0
4	4/14/2020 7:59	0	0	0
5	4/14/2020 8:14	0	0	0

6	4/14/2020 8:29	0	0	0
7	4/14/2020 8:44	0	0	0
8	4/14/2020 8:59	0	0	0
9	4/14/2020 9:14	0	0	0
10	4/14/2020 9:29	0	0	0
11	4/14/2020 9:44	0	0	0
12	4/14/2020 9:59	0	0	0
13	4/14/2020 10:14	0	0	0
14	4/14/2020 10:29	0	0	0
15	4/14/2020 10:44	0	0	0
16	4/14/2020 10:59	0	0	0
17	4/14/2020 11:14	0	0	0
18	4/14/2020 11:29	0	0	0
19	4/14/2020 11:44	0	0	0
20	4/14/2020 11:59	0	0	0
21	4/14/2020 12:14	0	0	0
22	4/14/2020 12:29	0	0	0
23	4/14/2020 12:44	0	0	0
24	4/14/2020 12:59	0	0	0
25	4/14/2020 13:14	0	0	0
26	4/14/2020 13:29	0	0.1	0
27	4/14/2020 13:44	0	0	0
28	4/14/2020 13:59	0	0.1	0
29	4/14/2020 14:14	0	0.1	0
30	4/14/2020 14:29	0	0.2	0
31	4/14/2020 14:44	0	0.4	0
32	4/14/2020 14:59	0	0.1	0
33	4/14/2020 15:14	0	1.1	0
Peak		0	1.1	0
Min		0	0	0
Average		0	0.1	0

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	4/14/2020 7:14	0	0
2	4/14/2020 7:29	0	0
3	4/14/2020 7:44	0	0
4	4/14/2020 7:59	0	0
5	4/14/2020 8:14	0	0
6	4/14/2020 8:29	0	0
7	4/14/2020 8:44	0	0
8	4/14/2020 8:59	0	0
9	4/14/2020 9:14	0	0
10	4/14/2020 9:29	0	0
11	4/14/2020 9:44	0	0

12	4/14/2020 9:59	0	0
13	4/14/2020 10:14	0	0
14	4/14/2020 10:29	0	0
15	4/14/2020 10:44	0	0
16	4/14/2020 10:59	0	0
17	4/14/2020 11:14	0	0
18	4/14/2020 11:29	0	0
19	4/14/2020 11:44	0	0
20	4/14/2020 11:59	0	0
21	4/14/2020 12:14	0	0
22	4/14/2020 12:29	0	0
23	4/14/2020 12:44	0	0
24	4/14/2020 12:59	0	0
25	4/14/2020 13:14	0	0
26	4/14/2020 13:29	0	0
27	4/14/2020 13:44	0	0
28	4/14/2020 13:59	0	0
29	4/14/2020 14:14	0	0
30	4/14/2020 14:29	0	0
31	4/14/2020 14:44	0	0
32	4/14/2020 14:59	0	0
33	4/14/2020 15:14	0	0

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20/04/15 07:06
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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-905938
Unit Firmware Ver	V2.20A
Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down
Site ID	12345678
User ID	12345678
Begin	4/15/2020 7:06
End	4/15/2020 12:31
Sample Period(s)	900
Number of Records	21
Sensor	PID(ppm)
Sensor SN	S023030077U1
Measure Type	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	3/31/2020 11:34
Peak	0
Min	0
Average	0

****
Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	4/15/2020 7:21	0	0	0
2	4/15/2020 7:36	0	0	0
3	4/15/2020 7:51	0	0	0
4	4/15/2020 8:06	0	0	0
5	4/15/2020 8:21	0	0	0

6	4/15/2020 8:36	0	0.1	0
7	4/15/2020 8:51	0	0	0
8	4/15/2020 9:06	0	0	0
9	4/15/2020 9:21	0	0	0
10	4/15/2020 9:36	0	0	0
11	4/15/2020 9:51	0	0	0
12	4/15/2020 10:06	0	0	0
13	4/15/2020 10:21	0	0.3	0
14	4/15/2020 10:36	0	0	0
15	4/15/2020 10:51	0	0	0
16	4/15/2020 11:06	0	0	0
17	4/15/2020 11:21	0	0	0
18	4/15/2020 11:36	0	0	0
19	4/15/2020 11:51	0	0	0
20	4/15/2020 12:06	0	0	0
21	4/15/2020 12:21	0	0	0
Peak		0	0.3	0
Min		0	0	0
Average		0	0	0

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	4/15/2020 7:21	0	0
2	4/15/2020 7:36	0	0
3	4/15/2020 7:51	0	0
4	4/15/2020 8:06	0	0
5	4/15/2020 8:21	0	0
6	4/15/2020 8:36	0	0
7	4/15/2020 8:51	0	0
8	4/15/2020 9:06	0	0
9	4/15/2020 9:21	0	0
10	4/15/2020 9:36	0	0
11	4/15/2020 9:51	0	0
12	4/15/2020 10:06	0	0
13	4/15/2020 10:21	0	0
14	4/15/2020 10:36	0	0
15	4/15/2020 10:51	0	0
16	4/15/2020 11:06	0	0
17	4/15/2020 11:21	0	0
18	4/15/2020 11:36	0	0
19	4/15/2020 11:51	0	0
20	4/15/2020 12:06	0	0
21	4/15/2020 12:21	0	0

APPENDIX E

Monthly Progress Reports

April 28, 2020

Charlotte Theobald
NYS Department of Environmental Conservation
6274 East Avon-Lima Road
Avon, New York 14414

Re: January to March 2020 Monthly Progress Report
Former Wollensack Optical Site – C828209
872 & 886 Hudson Avenue, Rochester, New York
LaBella Project #2182207

Dear Ms. Theobald,

LaBella Associates, D.P.C. ("LaBella") is pleased to submit this Monthly Progress Report (MPR) associated with the New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP) Site (BCP ID No. C828209) located at 872 & 886 Hudson Avenue, Rochester, New York, hereinafter referred to as the "Site." Below is a summary of activities completed in the previous months (January to March 2020) and planned for this month (April 2020).

Activities in Prior Months (January, February, and March 2020)

Installation of SSDS and Sub-Grade Plumbing
The majority of the SSDS subgrade piping and subgrade plumbing was installed. The remaining portion of the SSDS into the western stairwell adjacent to Hudson Avenue will be installed sometime in April 2020. In addition, the above grade SSDS piping and fans have not been fully installed. The CAMP was implemented during the work in accordance with the ISMP. A CCR or FER will include a summary of the work and as-built drawings of the SSDS.

Radiological Remediation
Austin Masters Services (AMS) performed remediation of a small (3' x3") contaminated area of floorboards on the third floor of the building and the sump located on the first floor of the building. A summary of this work is included AMS remediation report dated January 28, 2020 (attached). A CCR will include a summary of the work.

Box-Out of Parking Lot
LaBella was on-site during January to monitor the box-out of the new parking lot. Monitoring of the soil and the implementation of the CAMP was completed during this work. The work included the removal of surface soil for off-site disposal and importation of material for the parking lot subbase. A CCR will include a summary of this work.

Installation of Sanitary Sewer Lateral
A sanitary sewer lateral was installed from the northwest corner of the site building into the Hudson Avenue right-of-way. Monitoring of the soil and the implementation of the CAMP was completed during this work. The excavation was backfilled with #2 crusher run stone. All excavated soil was placed on and covered with poly sheeting on-site pending waste characterization, contained-in approval, and disposal. A CCR will include a summary of this work.

Treatment Well Installation

The installation and monitoring of the treatment wells as part of the NYSDEC approved Interim Remedial Measure (IRM) Work Plan was conducted during January and February 2020. This involved the installation of seventeen (17) overburden and seven (7) bedrock treatment wells. The CAMP was implemented during this work. There were some CAMP exceedances for dust detected during the installation of the treatment wells that were attributed to the ongoing construction work (i.e. masonry, floor cleaning, etc.). These exceedances were documented on the CAMP logs with an explanation.

Periodic static water levels (SWLs) were collected from each treatment well to monitor whether the seal remained competent between the bedrock and over burden treatment wells. Based on the SWLs measurements overtime, the well seals appear to remain competent.

Each treatment well was purged of a minimum of three wells volumes (or until dry). Purge water was stored in 55-gallon drums on-site. During the well purging, DNAPL was observed within bedrock treatment well IW-D-08. A black oily film was observed to smear the bailer during purging. The presence of DNAPL was checked and not observed in any other overburden or bedrock treatment wells. A CCR will include a summary of this work.

Decommission and Installation of Interior Monitoring Wells

Three of the wells that were proposed be used as performance sampling for the chemical application (see below) are located within the residential apartments. These wells were decommissioned in accordance with CP-43 and a nested overburden/bedrock well in a non-residential area was installed as a replacement. This is discussed in the Approved Activity Modifications section below. A CCR will include a summary of the well closure and installation logs.

Application of the In-Situ Chemical Oxidation (ISCO) Chemical

The ISCO chemical permanganate was injected and/or gravity fed into the 17 overburden treatment wells from March 3 through March 20, 2020. Permanganate was applied at either a 10% or 20% solution depending how well each treatment well/location accepted the chemical and to reduce the potential of daylighting. The permanganate was distributed to each treatment well in general accordance with the work plan; with the exception of a couple locations that received less chemical due to concern of daylighting in the basement Any chemical that was observed to be daylighting was immediately neutralized. A CCR or FER will include a summary of the application of permanganate and a summary of the application is provided below.

Well ID	Date(s) of Application	Concentration of Permanganate	Gallons Applied
IW-S-01	3/18/2020	10% and 20%	75 gal of 10% ; 28 gal of 20%
IW-S-02	3/18/2020	10% and 20%	15 gal of 10% ; 58 gal of 20%
IW-S-03	3/16/2020	10%	145
IW-S-04	3/17/2020	10%	145
IW-S-05	3/20/2020	20%	30
IW-S-06	3/19/2020 and 3/20/2020	20%	40
IW-S-07	3/16/2020	10%	145
IW-S-08	3/13/2020	10%	145
IW-S-09	3/10/2020	10%	145
IW-S-10	3/10/2020	10%	145

IW-S-11	3/9/2020	10%	145
IW-S-12	3/10/2020	10%	145
IW-S-13	3/11/2020 and 3/19/2020	10% and 20%	75 gal of 10% ; 28 gal of 20%
IW-S-14	3/13/2020	10%	145
IW-S-15	3/13/2020	10%	145
IW-S-16	3/13/2020	10%	145
IW-S-17	3/3/2020 and 3/19/2020	10% and 20%	25 gal of 10%; 40 gal of 20%

Contained In Use Requests

The following requests for contained-in determinations were approved by the Department from January to March 2020:

Request Type	Material - Source	NYSDEC Approval Date
Contained-In Determination	Sewer Line Excavation	21-February-2020
Contained-In Determination	Treatment Well Installation	27-March-2020

A CCR will include a summary of the disposal and applicable documentation listed above.

Approved Activity Modifications

- The location of the pressure field extension (PFE) monitoring points were reviewed based on the layout of the 1st floor residential space. Two of the PFE locations were located within a residential apartment. One of the points was proposed to be relocated to an adjacent office area, and the other is located at the northwest area of the building. The location at the northwest area of the building was requested to be made temporary since it is located within a future residential living space. A PFE reading will be collected from this location when the SSDS is fully operational to confirm a minimum reading of -0.004 inches of water, then permanently seal the location.
- Reviewing the existing wells with the layout of the building, 3 of the wells that are proposed be used as performance sampling for the chemical application are located within the residential apartments. These wells are to be decommission and a nested overburden/bedrock well in a non-residential area will be installed as a replacement. Two additional bedrock treatment wells will be installed in the area of treatment well (IW-D-08) that detected DNAPL. The locations were approved by the NYSDEC.

A copy of each correspondence for the above approved modifications is attached.

Activities Planned for this Month (April)

- Begin trenching and the installation of horizontal piping beneath the floor slab that will be used for subsequent ISCO application events.

Sampling/Testing Results

The following sampling/testing results were received during this reporting period:

- SPLP PFAS at RI surface soil location (SS-COMP-01 0-2 inches) per new PFAS guidance (lab report L2002747).
- Groundwater samples results for samples BW-01, BW-02, MW-03, SB-MW-10, RIMW-A-1, RIMW-A-2, RIMW-A-3, and RIMW-A-4 (lab report L2002906).
- Trench soil for the plumbing and SSDS installation that were collected in December 2019 (lab report L1960377).
- Groundwater data for the wells BW-03-1 and BW-03-2 (lab report L2000143).
- Waste characterization testing during this reporting period will be included in the CCR.

Unresolved Delays Encountered or Anticipated

Unresolved delays have not been encountered nor are they anticipated at this time.

Percentage of Completion

To date, the following key items have been completed as part of the BCP project:

- RIWP Approval
- Interim Site Management Plan submitted to NYSDEC/NYSDOH (pending approval)
- SSDS Work Plan Approval
- RI Report Approval
- IRM Work Plan Approval
- IRM RAOC #1 Design Document
- IRM RAOC #1 Implementation – 50%
- SSDS Installation – 75%

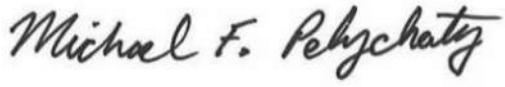
Citizen Participation Plan Activities

No Citizen Participation Plan Activities were undertaken during this reporting report.

We appreciate the opportunity to serve your professional environmental engineering needs. If you have any questions please do not hesitate to contact me at 585-295-6253.

Respectfully submitted,

LaBella Associates



Michael F. Pelychaty, PG
Sr. Environmental Geologist

Attachments

cc: Carolyn Vitale – Jefferson Wollensack LLC
Amy Reichhart – Nixon Peabody LLP
Chris Roland – Edgemere Development
Arunesh Ghosh – NYSDOH
Justin Deming – NYSDOH
Joseph Biondolillo – City of Rochester DEQ
John Frazer – MCHD
Wade Silkworth – MCHD

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RADIOLOGICAL REMEDIATION REPORT

Austin Master Services
801 N 1st St
Martins Ferry, OH
740-609-3806 Main Number

1/28/2020

Ms. Carolyn Vitale
Jeffeson Wollensack LLC
312 State Street
Rochester, NY 14614

Re: Former Wollensack Suite Optical January 2020 Radiological Remediation Project

Dear Ms. Vitale

Austin Master Services, LLC (AMS) was contracted to remediate two radiologically contaminated areas at the former Wollensack Optical facility located at 872-886 Hudson Avenue in Rochester New York. The Site is in the New York State Department of Environmental Conservation's (NYSDEC's) Brownfield Cleanup Program as facility #C828209. The radiologically contaminated areas were 1) a small (3' x3") contaminated area of floorboards on the third floor of the building and the sump located on the first floor of the building. The July 2019 report from AMS to your office provides the survey details for both those areas. The following summarizes the results of the remediation activities and AMS recommendations for future actions:

- The 3rd floor area has been successfully removed and no residual contamination remains in the area.
- The interior of sump, after several pressure washings exhibits surface count rates greater than background for the building but do not contribute or increase the building background dose rates above the sump.
- AMS believes those elevated count rates are due to naturally occurring radioactive material contained within the glazed tera cotta material of which the sump is comprised.
- Because 1) the dose rates in the occupied area above the sump are at background levels for the building, 2) the elevated count rates are primarily from the terra cotta material, and 3) the plan is to fill the sump with concrete and install a 30" raised floor above the sump, the radiological risk to any future occupant is zero; consequently AMS recommends no further effort be made to either clean or remove the sump.

The remediation approach, as described in the Radiation Protection Plan (RPP) consisted of the following steps.

1. Cut through the "non-contaminated area surrounding the contaminated 3'x3' section of the floor and remove the 3' x 3' section plus a small uncontaminated border section.
2. Place the removed section into a waste container for disposal out-of state at a suitably permitted facility.
3. Upon completion of the 3rd floor section removal, perform a post remediation/removal survey that includes a wipe and direct measurement of the surfaces adjacent to the removed area.
4. In addition, survey the area, with wipes and direct measurements in the area on the second floor directly below the removed section. This second survey was performed to ensure no loose contaminants fell to the floor below.
5. For the sump, remove the materials in the sump and place in a waste container for disposal out-of state at a suitably permitted facility.
6. After removal of the sump debris, use a pressure washer to clean the interior. Decontamination debris and water were removed and placed in suitable containers for disposal at a suitably permitted out of state facility.
7. After each pressure washing survey the interior of the sump and compare contamination levels to the release criteria recommended by NYSDEC.

8. Note that the release criteria denoting no contamination present was established at the 95% confidence level for the average of the background counts for removable and total surface alpha and beta emissions.

Table 1 below lists the post remediation survey results for the third and second floor areas. The survey detail sheets are contained in Attachment 2 to this letter report. The average post remediation survey count rates were then compared with the background 95% confidence levels for the wood floor in the building; see Attachment 1 for background survey measurements. Post remediation surveys showed the removable contamination and total surface contamination were all less than the 95% CL action level.

Table 1 - 3rd & 2nd Floor Post Remediation Survey Data and Comparison to 95% CL Action Limits

	3rd Floor				2nd Floor (beneath 3rd floor removal area)			
	Wipes		Direct		Wipes		Direct	
	Counts				Counts			
	alpha	Beta	alpha	Beta	alpha	Beta	alpha	Beta
	1	72	7	214	0	50	3	225
	0	70	5	201	0	53	4	214
	0	77	6	199	1	50	7	228
	0	68	3	227	1	56	4	206
	0	83	4	236	0	48	2	223
	0	60	4	219	0	47	1	202
	1	55	5	210	Not Sampled			
	0	53	4	239				
	0	58	6	236				
	0	49	4	201				
	2	52	4	213				
	1	44	5	228				
Mean	0.2	71.7	4.8	216.0	0.3	50.7	3.5	216.3
95% CL (for wood surface)	3.5	85.3	7.8	239.0	3.5	85.3	7.8	239.0

As shown in Table 2, the post remediation direct surface counts for the sump did not meet the RPP 95% confidence levels being used for the release criteria. This was likely a result of the composition of the sump and not the contamination from former facility operations. Survey data sheets are contained in Attachment 3 to this letter report.

The sump is made from a terra cotta material with glazing similar to that found in floor tile on the first floor during the July 2019 scoping survey. It is suspected that the glazing contains some elevated concentrations (i.e. above normal background for the Rochester area) of naturally occurring radionuclides, which is resulting in the alpha and beta surface emissions above the 95% CL. Because this building material itself is naturally slightly radioactive, further surface decontamination will be ineffective in reducing levels below the 95% CL. See Table 2 below for a results summary.

Table 2- Sump Post Remediation Survey Data and Comparison to 95% CL Action Limits

	Wipes (counts)		Direct (counts)	
	α	β	α	β
	1	43	95	874
	9	62	93	1032
	1	52	34	673
	8	76	98	1470
	5	39	52	850
	2	60	28	859
	3	68	16	631
	4	57	91	1064
	2	45	22	663
Mean	3.9	55.8	58.8	901.8
95% CL Bkgd	3.5	85.3	10.1	366.9

Dose rate measurements were made one foot above the sump and then throughout the first floor. The values were 8 urem/h and were consistent with background levels found throughout the building. Given that the dose rate is indistinguishable from background and the building renovation plan is to fill in the sump and then raise the existing first floor elevation over the sump area by approximately 30 inches, there will be no radiological risk to future occupants. Consequently, AMS recommends no further remediation effort be applied to this area.

Finally, approximately 50 ft^3 of contaminated debris and water has been collected to date; there will be additional waste generated from tear down of the sump containment. Drums are currently located in a posted radioactive materials storage area awaiting disposal by AMS. The contaminated debris removal will take place within the next 30 days.

Feel free to call (518-859-1944) or email (pcollopy@austinmasterservices.com) with any questions or comments.

Respectfully,

Peter Collopy

Peter Collopy, CHP, CIH, CSP
AMS Radiation Safety Officer

Attachments:

Attachment 1 –Background Measurements
Attachment 2 - Post Second and Third Floor Remediation Survey Data Sheets
Attachment 3 - Post Sump Remediation Survey Data Sheets

cc: Jack Bement

Attachment 1
Instrument Background Values and 95% CLs

Background Count Rates and 95% Confidence Level Values

Ludlum 2929 Ser. No: 111575				Ludlum 2360 Ser. No. 311203				Ludlum 2360 Ser. No. 311203		
Removable				Direct - Concrete				Direct - Wood		
Count	alpha	beta		Count	alpha	beta		Count	alpha	beta
1	1	43		1	7	308		1	4	237
2	1	61		2	7	331		2	1	214
3	1	53		3	5	361		3	2	206
4	2	68		4	4	330		4	3	189
5	4	70		5	8	302		5	1	200
6	0	74		6	2	314		6	2	198
7	0	68		7	9	312		7	6	204
8	0	77		8	4	294		8	2	221
9	1	58		9	5	331		9	6	203
10	0	71		10	7	264		10	7	174
average	1	64.3		average	5.8	314.7		average	3.4	204.6
SD	1.2	10.5		SD	2.1	26.1		SD	2.2	17.2
95% CL	3.5	85.3		95% CL	10.1	366.9		95% CL	7.8	239.0

Attachment 2
Post Remediation Survey Data- 2nd and 3rd Floors

Austin Master Services

RADIOLOGICAL SURVEY REPORT

TYPE: **AREA / LOCATION:** **Wollensack- Third Floor** **SURVEY#:** **W-2020-002**

Contamination Survey Instrument Data

ID	Type	Serial #	Cal. Due	probe area (cm²)	α Eff.		β Eff.		Bkg α (total counts) Rb	Bkg β (total counts) Rb	Sample count time (minutes) Ts	Bkg count time (minutes) Tb	DL (dpm) α	DL (dpm) β	Units
					Instr.	Surface	Inst	Surface							
1	Ludlum 2929	111575	11/21/2020	100	0.3312	0.9	0.2454	1	35	853	1	10	10.9	65.1	/100cm2
2	Ludlum 2360	278541	5/6/2020	100	0.2047	0.25	0.1545	0.54	78	2390	1	10	94.4	320.7	/100cm2

Exposure Rate Survey Instrument Data

Type	Serial #	Cal. Due

Unrestricted Release Criteria

Removable (dpm/100 cm²)		Total (dpm/100 cm2)	
α	β	α	β
Avg. < 95% Bkgd CL			

$$DL = \frac{1.65 * \sqrt{R_b * T_S * \left(1 + \frac{T_S}{T_B}\right)}}{E_{inst} * T_S}$$

Survey No.	Type (D, S)	Inst. ID	Location or Item Description	Gross count rate α (cpm)	Net count rate α (cpm)	Gross count rate β (cpm)	Net count rate β (cpm)	DPM α	DPM β	Units
1	S	1	Wollensack 3rd Floor Contaminated wood floor	1	-2.5	72	-13.3	<DL	<DL	/100cm2
2	S	1	Wollensack 3rd Floor Contaminated wood floor	0	-3.5	70	-15.3	<DL	<DL	/100cm2
3	S	1	Wollensack 3rd Floor Contaminated wood floor	0	-3.5	77	-8.3	<DL	<DL	/100cm2
4	S	1	Wollensack 3rd Floor Contaminated wood floor	0	-3.5	68	-17.3	<DL	<DL	/100cm2
5	S	1	Wollensack 3rd Floor Contaminated wood floor	0	-3.5	83	-2.3	<DL	<DL	/100cm2
6	S	1	Wollensack 3rd Floor Contaminated wood floor	0	-3.5	60	-25.3	<DL	<DL	/100cm2
7	S	1	Wollensack 3rd Floor Contaminated wood floor	1	-2.5	55	-30.3	<DL	<DL	/100cm2
8	S	1	Wollensack 3rd Floor Contaminated wood floor	0	-3.5	53	-32.3	<DL	<DL	/100cm2
9	S	1	Wollensack 3rd Floor Contaminated wood floor	0	-3.5	58	-27.3	<DL	<DL	/100cm2
10	S	1	Wollensack 3rd Floor Contaminated wood floor	0	-3.5	49	-36.3	<DL	<DL	/100cm2
11	S	1	Wollensack 3rd Floor Contaminated wood floor	2	-1.5	52	-33.3	<DL	<DL	/100cm2
12	S	1	Wollensack 3rd Floor Contaminated wood floor	1	-2.5	44	-41.3	<DL	<DL	/100cm2

Survey Types

D = Direct Scan

S = Swipe

NOTES

1. "Probe Area (cm²)/100 cm²" not used in MDA equation for Scalers.
2. A map is not required if sufficient detail can be included on this page.
3. Activity for direct (D) measurements corrected for probe area to 100 cm².
4. Swipes obtained over 100 cm² when the accessible surface area item exceeds 100cm².
5. **Notify RSO/SRSO when contamination levels exceed Unrestricted Release Criteria Noted Above**.

Survey Performed By:

Print name: Kyle Klein

Signature: KJK

Date: 1/16/2020

Survey Reviewed By:

Print name: Peter Collopy PC

Signature:

Date: 1/19/2020

Austin Master Services

Area/Location: **Wollensack- Third Floor** **Survey#:** **W-2020-002**

RADIOLOGICAL SURVEY REPORT CONTINUATION SHEET

Survey No.	Type (D, S)	Inst. ID	Location or Item Description	Gross count rate α (cpm)	Net count rate α (cpm)	Gross count rate β (cpm)	Net count rate β (cpm)	DPM α	DPM β	Units
1	D	2	Wollensack 3rd Floor Contaminated wood floor	7	-0.8	214	-25	<DL	<DL	/100cm2
2	D	2	Wollensack 3rd Floor Contaminated wood floor	5	-2.8	201	-38	<DL	<DL	/100cm2
3	D	2	Wollensack 3rd Floor Contaminated wood floor	6	-1.8	199	-40	<DL	<DL	/100cm2
4	D	2	Wollensack 3rd Floor Contaminated wood floor	3	-4.8	227	-12	<DL	<DL	/100cm2
5	D	2	Wollensack 3rd Floor Contaminated wood floor	4	-3.8	236	-3	<DL	<DL	/100cm2
6	D	2	Wollensack 3rd Floor Contaminated wood floor	4	-3.8	219	-20	<DL	<DL	/100cm2
7	D	2	Wollensack 3rd Floor Contaminated wood floor	5	-2.8	210	-29	<DL	<DL	/100cm2
8	D	2	Wollensack 3rd Floor Contaminated wood floor	4	-3.8	239	0	<DL	<DL	/100cm2
9	D	2	Wollensack 3rd Floor Contaminated wood floor	6	-1.8	236	-3	<DL	<DL	/100cm2
10	D	2	Wollensack 3rd Floor Contaminated wood floor	4	-3.8	201	-38	<DL	<DL	/100cm2
11	D	2	Wollensack 3rd Floor Contaminated wood floor	4	-3.8	213	-26	<DL	<DL	/100cm2
12	D	2	Wollensack 3rd Floor Contaminated wood floor	5	-2.8	228	-11	<DL	<DL	/100cm2

Austin Master Services

RADIOLOGICAL SURVEY REPORT

TYPE: **AREA / LOCATION:** **Wollensak- Second Floor** **SURVEY#:** **W-2020-002**

Contamination Survey Instrument Data

ID	Type	Serial #	Cal. Due	probe area (cm²)	α Eff.		β Eff.		Bkg α (total counts) Rb	Bkg β (total counts) Rb	Sample count time (minutes) Ts	Bkg count time (minutes) Tb	DL (dpm) α	DL (dpm) β	Units
					Instr.	Surface	Inst	Surface							
1	Ludlum 2929	111575	11/21/2020	100	0.3312	0.9	0.2454	1	35	853	1	10	10.9	65.1	/100cm2
2	Ludlum 2360	278541	5/6/2020	100	0.2047	0.25	0.1545	0.54	78	2390	1	10	94.4	320.7	/100cm2

Exposure Rate Survey Instrument Data

Type	Serial #	Cal. Due

Unrestricted Release Criteria

Removable (dpm/100 cm²)		Total (dpm/100 cm2)	
α	β	α	β
Avg. < 95% Bkgd CL			

$$DL = \frac{1.65 * \sqrt{R_b * T_S * \left(1 + \frac{T_S}{T_B}\right)}}{E_{inst} * T_S}$$

Survey No.	Type (D, S)	Inst. ID	Location or Item Description	Gross count rate α (cpm)	Net count rate α (cpm)	Gross count rate β (cpm)	Net count rate β (cpm)	DPM α	DPM β	Units
1	S	1	Woolensak 2nd floor from 3rd Floor fall debris	0	-3.5	50	-35.3	<DL	<DL	/100cm2
2	S	1	Woolensak 2nd floor from 3rd Floor fall debris	0	-3.5	53	-32.3	<DL	<DL	/100cm2
3	S	1	Woolensak 2nd floor from 3rd Floor fall debris	1	-2.5	50	-35.3	<DL	<DL	/100cm2
4	S	1	Woolensak 2nd floor from 3rd Floor fall debris	1	-2.5	56	-29.3	<DL	<DL	/100cm2
5	S	1	Woolensak 2nd floor from 3rd Floor fall debris	0	-3.5	48	-37.3	<DL	<DL	/100cm2
6	S	1	Woolensak 2nd floor from 3rd Floor fall debris	0	-3.5	47	-38.3	<DL	<DL	/100cm2
1	D	2	Woolensak 2nd floor from 3rd Floor fall debris	3	-4.8	225	-14	<DL	<DL	/100cm2
2	D	2	Woolensak 2nd floor from 3rd Floor fall debris	4	-3.8	214	-25	<DL	<DL	/100cm2
3	D	2	Woolensak 2nd floor from 3rd Floor fall debris	7	-0.8	228	-11	<DL	<DL	/100cm2
4	D	2	Woolensak 2nd floor from 3rd Floor fall debris	4	-3.8	206	-33	<DL	<DL	/100cm2
5	D	2	Woolensak 2nd floor from 3rd Floor fall debris	2	-5.8	223	-16	<DL	<DL	/100cm2
6	D	2	Woolensak 2nd floor from 3rd Floor fall debris	1	-6.8	202	-37	<DL	<DL	/100cm2

Survey Types

D = Direct Scan

S = Swipe

NOTES

1. "Probe Area (cm²)/100 cm²" not used in MDA equation for Scalers.
2. A map is not required if sufficient detail can be included on this page.
3. Activity for direct (D) measurements corrected for probe area to 100 cm².
4. Swipes obtained over 100 cm² when the accessible surface area item exceeds 100cm².
5. **Notify RSO/SRSO when contamination levels exceed Unrestricted Release Criteria Noted Above**.

Survey Performed By:

Print name: Kyle Klein

Signature: KJK

Date: 1/16/2020

Survey Reviewed By:

Print name: Peter Collopy PC

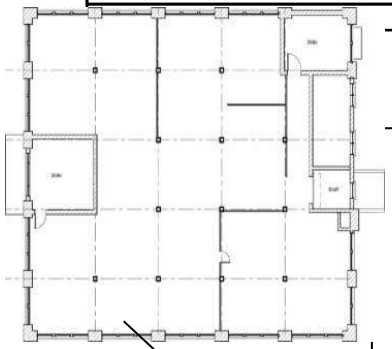
Signature:

Date: 1/19/2020

Austin Master Services

RADIOLOGICAL SURVEY REPORT

Survey #: W-2020-01	☐Routine
BLDG: Wollensack	☐Non-Routine (Specify)
Area/Room: Third Floor	☐Follow Up
RWP#:	Surveyed By: Kyle Klein
Date: 1-16-2020	Comments: Instrument used: 2360 w/ 43-93 probe 1 minute static counts 10cm from floor
Time:	☑ 2929 for contamination swipes
	☑



NOTES	
Dose Rates in µR/h unless otherwise noted	Radiological barriers indicated by ----x----x----x----
Annotation Conventions	
Direct Scan annotated by: #	On contact radiation survey annotated by: *
Swipe annotated by: O	Distance from source annotated by: @ Y cm
Large Area Wipes annotated by: ◇	General area dose rates annotated as a number only
Air sample annotated by Δ	

Attachment 3
Sump Survey Data Post Pressure Wash and Decon

Austin Master Services

RADIOLOGICAL SURVEY REPORT

TYPE: **AREA / LOCATION:** **Wollensack- Sump** **SURVEY#:** **W-2020-002**

Contamination Survey Instrument Data

ID	Type	Serial #	Cal. Due	probe area (cm²)	α Eff.		β Eff.		Bkg α (total counts) Rb	Bkg β (total counts) Rb	Sample count time (minutes) Ts	Bkg count time (minutes) Tb	DL (dpm) α	DL (dpm) β	Units
					Instr.	Surface	Inst	Surface							
1	Ludlum 2929	111575	11/21/2020	100	0.3312	0.9	0.2454	1	35	853	1	10	10.9	65.1	/100cm2
2	Ludlum 2360	278541	5/6/2020	100	0.2047	0.25	0.1545	0.54	78	2390	1	10	94.4	320.7	/100cm2

Exposure Rate Survey Instrument Data

Type	Serial #	Cal. Due

Unrestricted Release Criteria

Removable (dpm/100 cm²)		Total (dpm/100 cm2)	
α	β	α	β
Avg. < 95% Bkgd CL			

$$DL = \frac{1.65 * \sqrt{R_b * T_S * \left(1 + \frac{T_S}{T_B}\right)}}{E_{inst} * T_S}$$

Survey No.	Type (D, S)	Inst. ID	Location or Item Description	Gross count rate α (cpm)	Net count rate α (cpm)	Gross count rate β (cpm)	Net count rate β (cpm)	DPM α	DPM β	Units
1	S	1	Sump Wipes After First Decon	6	2.5	58	-27.3	<DL	<DL	/100cm2
2	S	1	Sump Wipes After First Decon	0	-3.5	46	-39.3	<DL	<DL	/100cm2
3	S	1	Sump Wipes After First Decon	0	-3.5	61	-24.3	<DL	<DL	/100cm2
4	S	1	Sump Wipes After First Decon	12	8.5	60	-25.3	29	<DL	/100cm2
5	S	1	Sump Wipes After First Decon	7	3.5	80	-5.3	12	<DL	/100cm2
6	S	1	Sump Wipes After First Decon	7	3.5	80	-5.3	12	<DL	/100cm2
7	S	1	Sump Wipes After First Decon	8	4.5	62	-23.3	15	<DL	/100cm2
8	S	1	Sump Wipes After First Decon	20	16.5	84	-1.3	55	<DL	/100cm2
9	S	1	Sump Wipes After First Decon	1	-2.5	51	-34.3	<DL	<DL	/100cm2

Survey Types

D = Direct Scan

S = Swipe

NOTES

1. "Probe Area (cm²)/100 cm²" not used in MDA equation for Scalers.
2. A map is not required if sufficient detail can be included on this page.
3. Activity for direct (D) measurements corrected for probe area to 100 cm².
4. Swipes obtained over 100 cm² when the accessible surface area item exceeds 100cm².
5. **Notify RSO/SRSO when contamination levels exceed Unrestricted Release Criteria Noted Above**.

Survey Performed By:

Print name: Kyle Klein

Signature: KJK

Date: 1/16/2020

Survey Reviewed By:

Print name: Peter Collopy PC

Signature:

Date: 1/19/2020

Austin Master Services

Area/Location: **Wollensack- Sump** **Survey#:** **W-2020-002**

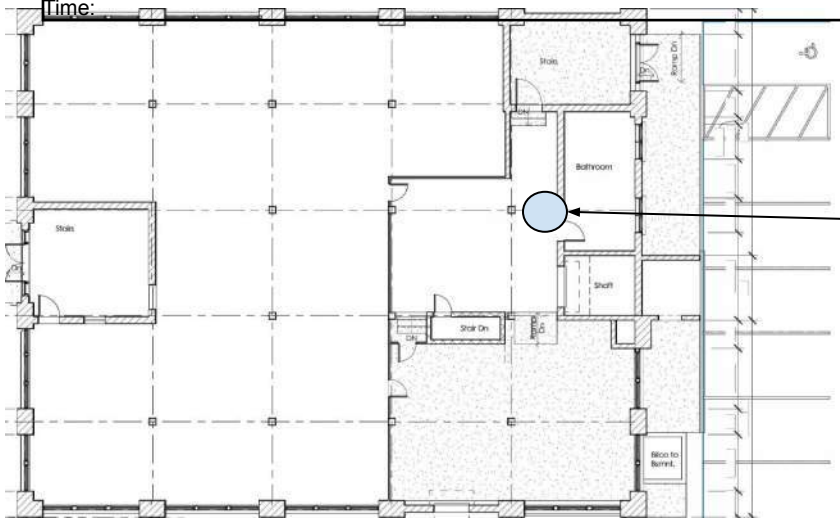
RADIOLOGICAL SURVEY REPORT CONTINUATION SHEET

Survey No.	Type (D, S)	Inst. ID	Location or Item Description	Gross count rate α (cpm)	Net count rate α (cpm)	Gross count rate β (cpm)	Net count rate β (cpm)	DPM α	DPM β	Units
1	D	1	Sump Wipes After Second Decon	1	-2.5	43	-42.3	<DL	<DL	/100cm2
2	D	1	Sump Wipes After Second Decon	9	5.5	62	-23.3	18	<DL	/100cm2
3	D	1	Sump Wipes After Second Decon	1	-2.5	52	-33.3	<DL	<DL	/100cm2
4	D	1	Sump Wipes After Second Decon	8	4.5	76	-9.3	15	<DL	/100cm2
5	D	1	Sump Wipes After Second Decon	5	1.5	39	-46.3	<DL	<DL	/100cm2
6	D	1	Sump Wipes After Second Decon	2	-1.5	60	-25.3	<DL	<DL	/100cm2
7	D	1	Sump Wipes After Second Decon	3	-0.5	68	-17.3	<DL	<DL	/100cm2
8	D	1	Sump Wipes After Second Decon	4	0.5	57	-28.3	<DL	<DL	/100cm2
9	D	1	Sump Wipes After Second Decon	2	-1.5	45	-40.3	<DL	<DL	/100cm2
1	D	2	Direct Counts After 2nd Decon (see Map on 3rd Page)	95	87.2	874	635	1704	7611	/100cm2
2	D	2	Direct Counts After 2nd Decon	93	85.2	1032	793	1665	9505	/100cm2
3	D	2	Direct Counts After 2nd Decon	34	26.2	673	434	512	5202	/100cm2
4	D	2	Direct Counts After 2nd Decon	98	90.2	1470	1231	1763	14755	/100cm2
5	D	2	Direct Counts After 2nd Decon	52	44.2	850	611	864	7324	/100cm2
6	D	2	Direct Counts After 2nd Decon	28	20.2	859	620	395	7431	/100cm2
7	D	2	Direct Counts After 2nd Decon	16	8.2	631	392	160	4699	/100cm2
8	D	2	Direct Counts After 2nd Decon	91	83.2	1064	825	1626	9889	/100cm2
9	D	2	Direct Counts After 2nd Decon	22	14.2	663	424	277	5082	/100cm2

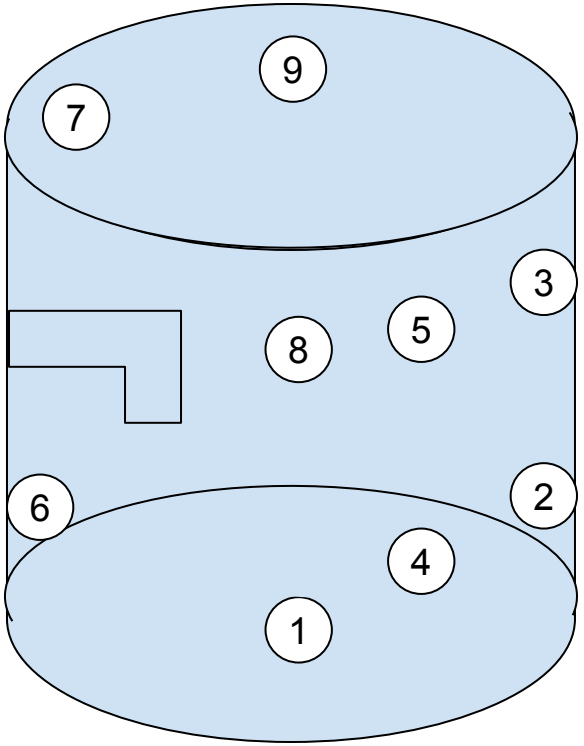
Austin Master Services

RADIOLOGICAL SURVEY REPORT

Survey #: W-2020-03	☐Routine
BLDG: Wollensack	☐Non-Routine (Specify)
Area/Room:	☐Follow Up
RWP#:	Surveyed By: Kyle Klein
Date: 1-17-2020	Comments:Instrument used: 2360 w/ 43-93 probe 1 minute static counts 10cm from floor 2929 for contamination swipes
Time:	☑



Sump



#3

NOTES	
Dose Rates in µR/h unless otherwise noted	Radiological barriers indicated by ----x----x----x----
Annotation Conventions	
Direct Scan annotated by: #	On contact radiation survey annotated by: *
Swipe annotated by: O	Distance from source annotated by: @ Y cm
Large Area Wipes annotated by:◇	General area dose rates annotated as a number only
Air sample annotated by Δ	



APPROVED MODIFICATION REQUESTS

Pelychaty,Mike

From: Theobald, Charlotte B (DEC) <charlotte.theobald@dec.ny.gov>
Sent: Wednesday, February 19, 2020 3:23 PM
To: Pelychaty,Mike
Cc: Caffoe, Todd (DEC); Gillen, Jennifer
Subject: RE: C828208, Jefferson-Wollensack - Groundwater Monitoring Well Closure, Installation, and DNAPL

Mike:

The Department is well aware of the developer's need to meet HCR's schedule. It would be advantageous to have the monitoring wells in the source area remain for rebound monitoring but the Department understands that it is not convenient to have groundwater monitoring wells located in someone's apartment. With that said, the proposed work below can proceed forward. If after the completion of the IRM activities and submittal of the CCR, any data gaps can be addressed in remedy selection and in the Site's RAWP when that is submitted to the Department for review and approval.

Best Regards,
Charlotte

From: Pelychaty,Mike <mpelychaty@LaBellaPC.com>
Sent: Wednesday, February 19, 2020 12:19 PM
To: Theobald, Charlotte B (DEC) <charlotte.theobald@dec.ny.gov>
Cc: Caffoe, Todd (DEC) <todd.caffoe@dec.ny.gov>; Gillen, Jennifer <jgillen@LaBellaPC.com>
Subject: RE: C828208, Jefferson-Wollensack - Groundwater Monitoring Well Closure, Installation, and DNAPL

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Charlotte,

The main concern is keeping the driller going on the additional wells, as it may be a while before they can return to the site if they have to demob. If they have to remob to the site at a much later date, it could delay occupancy of the building, as the contractor would have to delay working in the drilling area. With HCR and funding, the project is has to meet certain deadlines, and there are significant cost implications to the client if they cannot. Also, we want the wells installed to we can have them to monitor the performance of the chemical injection.

-Mike

Michael Pelychaty, PG
LaBella Associates | Sr. Environmental Geologist

585-295-6253 **direct**
585-454-6110 **office**

From: Theobald, Charlotte B (DEC) [mailto:charlotte.theobald@dec.ny.gov]
Sent: Wednesday, February 19, 2020 10:07 AM
To: Pelychaty,Mike <mpelychaty@LaBellaPC.com>
Cc: Caffoe, Todd (DEC) <todd.caffoe@dec.ny.gov>; Gillen, Jennifer <jgillen@LaBellaPC.com>
Subject: RE: C828208, Jefferson-Wollensack - Groundwater Monitoring Well Closure, Installation, and DNAPL

Mike:

I am looking over the proposed work. Question – why do you need an answer by Friday?

Charlotte

From: Pelychaty,Mike <mpelychaty@LaBellaPC.com>
Sent: Tuesday, February 18, 2020 5:00 PM
To: Theobald, Charlotte B (DEC) <charlotte.theobald@dec.ny.gov>
Cc: Caffoe, Todd (DEC) <todd.caffoe@dec.ny.gov>; Gillen, Jennifer <jgillen@LaBellaPC.com>
Subject: C828208, Jefferson-Wollensack - Groundwater Monitoring Well Closure, Installation, and DNAPL

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Charlotte,

DNAPL Layer
We have detected what appears to be a slight DNAPL layer at one of the injection wells shown on the attached figure. We have attempted to measure the thickness of the DNAPL with an oil/water interface probe, but it appears the DNAPL layer is not thick enough to allow an actual measurement. So far we have not detected DNAPL in the other wells. As a contingency, we are proposing to add 2 additional bedrock treatment wells shown on the attached figure.

Well Installation and Decommissioning
Reviewing the existing wells with the layout of the building, 3 of the wells that are proposed be used as performance sampling for the chemical injection are located within the residential apartments as shown on the attached figure. We are proposing to decommission these wells and add a nested overburden/bedrock well in a non-residential area shown on the attached figure.

The installation of the injection wells are progressing on schedule at this point and we anticipate to be completed by sometime next week. Please let me know by Friday 2/21/2020 if you have any objection to the proposed plan discussed above or have any questions. We would like to keep Nothnagle on-site to continue with the work discussed above.

Regards,

Mike Pelychaty

Michael Pelychaty, PG
LaBella Associates | Sr. Environmental Geologist

585-295-6253 **direct**
585-454-6110 **office**
300 State Street, Suite 201
Rochester, NY 14614
labellapc.com

NOTES:
1) Property boundaries obtained from Monroe County GIS and are considered approximate.
2) Treatment well locations are approximate and subject to change based on site conditions.
3) Layout from Barkstrom Lacroix Architects dated July 2018 and is approximate.
4) All locations should be considered approximate.

SB-06
SB-MW-11
SB-MW-12
Decommission Well
Decommission Well
Decommission Well
RIMW-15
RIMW-14
RIMW-12
Proposed Approximate Location of Bedrock Injection Well
BW-03
SB-01
SB-17
SB-MW-13
Location of DNAPL in Rock Well
BW-02
RIMW-16
SB-MW-07
SB-MW-16
Proposed Approximate Location of Bedrock Injection Well
RIMW-17
RIBW-A
RIMW-02
RIMW-04
RIMW-18
SB-MW-15
BW-01
SB-MW-14
SB-09
Proposed Approximate Location of Nested Overburden/Bedrock Well to be used for Monitoring
SB-08
Decommission Well
Decommission Well
Decommission Well

FIRST FLOOR LAYOUT

Legend
- Proposed Bedrock Treatment Wells
- Proposed Overburden Treatment Wells
- RI Bedrock Wells
- RI Monitoring Well/Soil Boring
- Pre-BCP Overburden Monitoring Well
- Pre-BCP Soil Boring
- Pre-BCP Bedrock Wells
- Performace Monitoring Well
- Approximate Residential Apartment Area
- Basement (Approx.)

LaBella
Powered by partnership.

It is a violation of New York Education Law Article 145 Sec.7209, for any person, unless acting under the direction of a licensed architect, professional engineer, or land surveyor, to alter an item in any way. If an item bearing the seal of an architect, engineer, or land surveyor is altered; the altering architect, engineer, or land surveyor shall affix to the item their seal and notation "altered by" followed by their signature and date of such alteration, and a specific description of the alteration.

N W E S

0 10 Feet

1 inch = 10 feet

INTENDED TO PRINT AS: 11" X 17"

PROJECT:
INTERIM REMEDIAL MEASURES
WORK PLAN
DESIGN DOCUMENT

FORMER WOLLENSACK OPTICAL
NYSDEC BCP C828209
872 & 886 HUDSON AVENUE
ROCHESTER, NEW YORK

DRAFT

DRAWING NAME:

TREATMENT AND MONITORING WELLS

PROJECT #/DRAWING #/ DATE

2182207

FIGURE 1

2/18/2020

I:\Jefferson Wollensack LLC\2182207 - 872 & 886 Hudson Brownfield\Drawings\Working Copies\Figure 1 - Wells Closed.mxd

Pelychaty,Mike

From: Theobald, Charlotte B (DEC) <charlotte.theobald@dec.ny.gov>
Sent: Thursday, February 20, 2020 2:48 PM
To: Pelychaty,Mike
Subject: RE: C828209, Jefferson-Wollensack - PFE Monitoring Points

Mike:

The State is agreeable with the locations.

Charlotte

From: Pelychaty,Mike <mpelychaty@LaBellaPC.com>
Sent: Monday, February 17, 2020 4:34 PM
To: Theobald, Charlotte B (DEC) <charlotte.theobald@dec.ny.gov>
Cc: Caffoe, Todd (DEC) <todd.caffoe@dec.ny.gov>
Subject: C828209, Jefferson-Wollensack - PFE Monitoring Points

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Charlotte,

I reviewed the location of the pressure field extension (PFE) monitoring points and two of the locations were located within a residential apartment as shown on the attached figure. One of the points I propose to move to an adjacent office area, and the other is located at the northwest area of the building. The location at the northwest area of the building is requested to be made temporary; meaning we will collection PFE readings when the SSDS is fully operational to confirm a minimum reading of -0.004 inches of water, then permanently seal the location.

Please let me know if you accept the proposed change or would like to discuss further.

Regards,

Mike Pelychaty

Michael Pelychaty, PG
LaBella Associates | Sr. Environmental Geologist

585-295-6253 **direct**
585-454-6110 **office**
300 State Street, Suite 201
Rochester, NY 14614
labellapc.com

Make a Temporary PFE Point
(Location inside Apartment)
-PFE Point would be sealed once confirmed SSDS pressure differential readings is a minimum -0.004 inches of water column

Shaded Area is the general location of the basement

Move from Apartment to Office Area

Legend

- PFE Point
- Basement (Approx.)

LaBella
Powered by partnership.

It is a violation of New York Education Law Article 145 Sec.7209, for any person, unless acting under the direction of a licensed architect, professional engineer, or land surveyor, to alter an item in any way. If an item bearing the seal of an architect, engineer, or land surveyor is altered; the altering architect, engineer, or land surveyor shall affix to the item their seal and notation "altered by" followed by their signature and date of such alteration, and a specific description of the alteration.

N W E S

0 10
Feet
1 inch = 10 feet
INTENDED TO PRINT AS: 11" X 17"

PROJECT:
SUB-SLAB DEPRESSURIZATION
WORK PLAN
DESIGN DOCUMENT

FORMER WOLLENSACK OPTICAL
NYSDEC BCP C828209
872 & 886 HUDSON AVENUE
ROCHESTER, NEW YORK

DRAFT

DRAWING NAME:
PRESSURE FIELD EXTENSION
MONITORING POINT LOCATIONS

PROJECT #/DRAWING #/ DATE

2182207

FIGURE 1

2/17/2020

SAMPLING/TESTING RESULTS

ANALYTICAL REPORT

Lab Number:	L2000143
Client:	LaBella Associates, P.C. 300 State Street Suite 201 Rochester, NY 14614
ATTN:	Ann Aquilina
Phone:	(585) 454-6110
Project Name:	FORMER WOLLENSACK OPTICAL
Project Number:	2182207
Report Date:	01/06/20

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Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: FORMER WOLLENSACK OPTICAL
Project Number: 2182207

Lab Number: L2000143
Report Date: 01/06/20

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2000143-01	BW-03-1	WATER	872 HUDSON AVE, ROCHESTER, NY	01/02/20 13:15	01/02/20
L2000143-02	BW-03-2	WATER	872 HUDSON AVE, ROCHESTER, NY	01/02/20 13:30	01/02/20
L2000143-03	TRIP BLANK	WATER	872 HUDSON AVE, ROCHESTER, NY	01/02/20 00:00	01/02/20

Project Name:	FORMER WOLLENSACK OPTICAL	**Lab Number:**	L2000143
Project Number:	2182207	**Report Date:**	01/06/20

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	FORMER WOLLENSACK OPTICAL	**Lab Number:**	L2000143
Project Number:	2182207	**Report Date:**	01/06/20

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Sample Receipt

L2000143-03: A sample identified as "TRIP BLANK" was received, but not listed on the Chain of Custody. The sample was not analyzed.

Volatile Organics

The WG1327138-7 MSD recovery, performed on L2000143-01, is outside the acceptance criteria for trichloroethene (0%). The unacceptable percent recovery is attributed to the elevated concentrations of target compounds present in the native sample.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Tiffani Morrissey - Tiffani Morrissey

Title: Technical Director/Representative Date: 01/06/20

ORGANICS

VOLATILES

Project Name: FORMER WOLLENSACK OPTICAL **Lab Number:** L2000143

Project Number: 2182207 **Report Date:** 01/06/20

SAMPLE RESULTS

Lab ID: L2000143-01 D
Client ID: BW-03-1
Sample Location: 872 HUDSON AVE, ROCHESTER, NY

Date Collected: 01/02/20 13:15
Date Received: 01/02/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 01/04/20 19:16
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	25	7.0	10
1,1-Dichloroethane	ND		ug/l	25	7.0	10
Chloroform	ND		ug/l	25	7.0	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
1,2-Dichloropropane	ND		ug/l	10	1.4	10
Dibromochloromethane	ND		ug/l	5.0	1.5	10
1,1,2-Trichloroethane	ND		ug/l	15	5.0	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	25	7.0	10
Trichlorofluoromethane	ND		ug/l	25	7.0	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
1,1,1-Trichloroethane	ND		ug/l	25	7.0	10
Bromodichloromethane	ND		ug/l	5.0	1.9	10
trans-1,3-Dichloropropene	ND		ug/l	5.0	1.6	10
cis-1,3-Dichloropropene	ND		ug/l	5.0	1.4	10
Bromoform	ND		ug/l	20	6.5	10
1,1,2,2-Tetrachloroethane	ND		ug/l	5.0	1.7	10
Benzene	ND		ug/l	5.0	1.6	10
Toluene	ND		ug/l	25	7.0	10
Ethylbenzene	ND		ug/l	25	7.0	10
Chloromethane	ND		ug/l	25	7.0	10
Bromomethane	ND		ug/l	25	7.0	10
Vinyl chloride	56		ug/l	10	0.71	10
Chloroethane	ND		ug/l	25	7.0	10
1,1-Dichloroethene	28		ug/l	5.0	1.7	10
trans-1,2-Dichloroethene	36		ug/l	25	7.0	10
Trichloroethene	1800		ug/l	5.0	1.8	10
1,2-Dichlorobenzene	ND		ug/l	25	7.0	10

Project Name: FORMER WOLLENSACK OPTICAL **Lab Number:** L2000143

Project Number: 2182207 **Report Date:** 01/06/20

SAMPLE RESULTS

Lab ID: L2000143-01 D Date Collected: 01/02/20 13:15

Client ID: BW-03-1 Date Received: 01/02/20

Sample Location: 872 HUDSON AVE, ROCHESTER, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	25	7.0	10
1,4-Dichlorobenzene	ND		ug/l	25	7.0	10
Methyl tert butyl ether	ND		ug/l	25	7.0	10
p/m-Xylene	ND		ug/l	25	7.0	10
o-Xylene	ND		ug/l	25	7.0	10
cis-1,2-Dichloroethene	1800		ug/l	25	7.0	10
Styrene	ND		ug/l	25	7.0	10
Dichlorodifluoromethane	ND		ug/l	50	10.	10
Acetone	15	J	ug/l	50	15.	10
Carbon disulfide	ND		ug/l	50	10.	10
2-Butanone	ND		ug/l	50	19.	10
4-Methyl-2-pentanone	ND		ug/l	50	10.	10
2-Hexanone	ND		ug/l	50	10.	10
1,2-Dibromoethane	ND		ug/l	20	6.5	10
n-Butylbenzene	ND		ug/l	25	7.0	10
sec-Butylbenzene	ND		ug/l	25	7.0	10
tert-Butylbenzene	ND		ug/l	25	7.0	10
1,2-Dibromo-3-chloropropane	ND		ug/l	25	7.0	10
Isopropylbenzene	ND		ug/l	25	7.0	10
p-Isopropyltoluene	ND		ug/l	25	7.0	10
Naphthalene	ND		ug/l	25	7.0	10
n-Propylbenzene	ND		ug/l	25	7.0	10
1,2,4-Trichlorobenzene	ND		ug/l	25	7.0	10
1,3,5-Trimethylbenzene	ND		ug/l	25	7.0	10
1,2,4-Trimethylbenzene	ND		ug/l	25	7.0	10
Methyl Acetate	ND		ug/l	20	2.3	10
Cyclohexane	ND		ug/l	100	2.7	10
Freon-113	ND		ug/l	25	7.0	10
Methyl cyclohexane	ND		ug/l	100	4.0	10
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/l			10

Project Name: FORMER WOLLENSACK OPTICAL **Lab Number:** L2000143

Project Number: 2182207 **Report Date:** 01/06/20

SAMPLE RESULTS

Lab ID: L2000143-01 D Date Collected: 01/02/20 13:15

Client ID: BW-03-1 Date Received: 01/02/20

Sample Location: 872 HUDSON AVE, ROCHESTER, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	99		70-130

Project Name: FORMER WOLLENSACK OPTICAL
Lab Number: L2000143
Project Number: 2182207
Report Date: 01/06/20

SAMPLE RESULTS

Lab ID: L2000143-02 D2
Client ID: BW-03-2
Sample Location: 872 HUDSON AVE, ROCHESTER, NY

Date Collected: 01/02/20 13:30
Date Received: 01/02/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 01/05/20 14:36
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
cis-1,2-Dichloroethene	4600		ug/l	250	70.	100

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	97		70-130

Project Name: FORMER WOLLENSACK OPTICAL **Lab Number:** L2000143

Project Number: 2182207 **Report Date:** 01/06/20

SAMPLE RESULTS

Lab ID: L2000143-02 D
Client ID: BW-03-2
Sample Location: 872 HUDSON AVE, ROCHESTER, NY

Date Collected: 01/02/20 13:30
Date Received: 01/02/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 01/04/20 19:39
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	50	14.	20
1,1-Dichloroethane	ND		ug/l	50	14.	20
Chloroform	ND		ug/l	50	14.	20
Carbon tetrachloride	ND		ug/l	10	2.7	20
1,2-Dichloropropane	ND		ug/l	20	2.7	20
Dibromochloromethane	ND		ug/l	10	3.0	20
1,1,2-Trichloroethane	ND		ug/l	30	10.	20
Tetrachloroethene	ND		ug/l	10	3.6	20
Chlorobenzene	ND		ug/l	50	14.	20
Trichlorofluoromethane	ND		ug/l	50	14.	20
1,2-Dichloroethane	ND		ug/l	10	2.6	20
1,1,1-Trichloroethane	ND		ug/l	50	14.	20
Bromodichloromethane	ND		ug/l	10	3.8	20
trans-1,3-Dichloropropene	ND		ug/l	10	3.3	20
cis-1,3-Dichloropropene	ND		ug/l	10	2.9	20
Bromoform	ND		ug/l	40	13.	20
1,1,2,2-Tetrachloroethane	ND		ug/l	10	3.3	20
Benzene	ND		ug/l	10	3.2	20
Toluene	ND		ug/l	50	14.	20
Ethylbenzene	ND		ug/l	50	14.	20
Chloromethane	ND		ug/l	50	14.	20
Bromomethane	ND		ug/l	50	14.	20
Vinyl chloride	80		ug/l	20	1.4	20
Chloroethane	ND		ug/l	50	14.	20
1,1-Dichloroethene	53		ug/l	10	3.4	20
trans-1,2-Dichloroethene	65		ug/l	50	14.	20
Trichloroethene	1100		ug/l	10	3.5	20
1,2-Dichlorobenzene	ND		ug/l	50	14.	20

Project Name: FORMER WOLLENSACK OPTICAL **Lab Number:** L2000143

Project Number: 2182207 **Report Date:** 01/06/20

SAMPLE RESULTS

Lab ID: L2000143-02 D Date Collected: 01/02/20 13:30

Client ID: BW-03-2 Date Received: 01/02/20

Sample Location: 872 HUDSON AVE, ROCHESTER, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	50	14.	20
1,4-Dichlorobenzene	ND		ug/l	50	14.	20
Methyl tert butyl ether	ND		ug/l	50	14.	20
p/m-Xylene	ND		ug/l	50	14.	20
o-Xylene	ND		ug/l	50	14.	20
cis-1,2-Dichloroethene	4300	E	ug/l	50	14.	20
Styrene	ND		ug/l	50	14.	20
Dichlorodifluoromethane	ND		ug/l	100	20.	20
Acetone	ND		ug/l	100	29.	20
Carbon disulfide	ND		ug/l	100	20.	20
2-Butanone	ND		ug/l	100	39.	20
4-Methyl-2-pentanone	ND		ug/l	100	20.	20
2-Hexanone	ND		ug/l	100	20.	20
1,2-Dibromoethane	ND		ug/l	40	13.	20
n-Butylbenzene	ND		ug/l	50	14.	20
sec-Butylbenzene	ND		ug/l	50	14.	20
tert-Butylbenzene	ND		ug/l	50	14.	20
1,2-Dibromo-3-chloropropane	ND		ug/l	50	14.	20
Isopropylbenzene	ND		ug/l	50	14.	20
p-Isopropyltoluene	ND		ug/l	50	14.	20
Naphthalene	ND		ug/l	50	14.	20
n-Propylbenzene	ND		ug/l	50	14.	20
1,2,4-Trichlorobenzene	ND		ug/l	50	14.	20
1,3,5-Trimethylbenzene	ND		ug/l	50	14.	20
1,2,4-Trimethylbenzene	ND		ug/l	50	14.	20
Methyl Acetate	ND		ug/l	40	4.7	20
Cyclohexane	ND		ug/l	200	5.4	20
Freon-113	ND		ug/l	50	14.	20
Methyl cyclohexane	ND		ug/l	200	7.9	20

Tentatively Identified Compounds			
No Tentatively Identified Compounds	ND	ug/l	20

Project Name: FORMER WOLLENSACK OPTICAL **Lab Number:** L2000143

Project Number: 2182207 **Report Date:** 01/06/20

SAMPLE RESULTS

Lab ID: L2000143-02 D Date Collected: 01/02/20 13:30

Client ID: BW-03-2 Date Received: 01/02/20

Sample Location: 872 HUDSON AVE, ROCHESTER, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	98		70-130

Project Name: FORMER WOLLENSACK OPTICAL **Lab Number:** L2000143

Project Number: 2182207 **Report Date:** 01/06/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/05/20 13:26
Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG1327138-12					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: FORMER WOLLENSACK OPTICAL **Lab Number:** L2000143

Project Number: 2182207 **Report Date:** 01/06/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/05/20 13:26
Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG1327138-12					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
1,2-Dibromoethane	ND		ug/l	2.0	0.65
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: FORMER WOLLENSACK OPTICAL **Lab Number:** L2000143

Project Number: 2182207 **Report Date:** 01/06/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/05/20 13:26
Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG1327138-12					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	95		70-130

Project Name: FORMER WOLLENSACK OPTICAL **Lab Number:** L2000143

Project Number: 2182207 **Report Date:** 01/06/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/04/20 11:55
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1327138-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: FORMER WOLLENSACK OPTICAL **Lab Number:** L2000143

Project Number: 2182207 **Report Date:** 01/06/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/04/20 11:55
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1327138-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
1,2-Dibromoethane	ND		ug/l	2.0	0.65
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: FORMER WOLLENSACK OPTICAL **Lab Number:** L2000143

Project Number: 2182207 **Report Date:** 01/06/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/04/20 11:55
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1327138-5					
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/l		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	94		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: FORMER WOLLENSACK OPTICAL
Project Number: 2182207
Lab Number: L2000143
Report Date: 01/06/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG1327138-10 WG1327138-11								
Methylene chloride	98		99		70-130	1		20
1,1-Dichloroethane	100		100		70-130	0		20
Chloroform	100		100		70-130	0		20
Carbon tetrachloride	95		94		63-132	1		20
1,2-Dichloropropane	100		99		70-130	1		20
Dibromochloromethane	86		86		63-130	0		20
1,1,2-Trichloroethane	97		98		70-130	1		20
Tetrachloroethene	99		100		70-130	1		20
Chlorobenzene	98		99		75-130	1		20
Trichlorofluoromethane	100		100		62-150	0		20
1,2-Dichloroethane	97		96		70-130	1		20
1,1,1-Trichloroethane	100		100		67-130	0		20
Bromodichloromethane	86		87		67-130	1		20
trans-1,3-Dichloropropene	84		83		70-130	1		20
cis-1,3-Dichloropropene	89		90		70-130	1		20
Bromoform	85		86		54-136	1		20
1,1,2,2-Tetrachloroethane	96		98		67-130	2		20
Benzene	100		100		70-130	0		20
Toluene	98		99		70-130	1		20
Ethylbenzene	100		100		70-130	0		20
Chloromethane	91		92		64-130	1		20
Bromomethane	87		89		39-139	2		20
Vinyl chloride	99		99		55-140	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: FORMER WOLLENSACK OPTICAL
Project Number: 2182207
Lab Number: L2000143
Report Date: 01/06/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG1327138-10 WG1327138-11								
Chloroethane	97		98		55-138	1		20
1,1-Dichloroethene	100		100		61-145	0		20
trans-1,2-Dichloroethene	100		100		70-130	0		20
Trichloroethene	96		96		70-130	0		20
1,2-Dichlorobenzene	98		98		70-130	0		20
1,3-Dichlorobenzene	98		98		70-130	0		20
1,4-Dichlorobenzene	98		98		70-130	0		20
Methyl tert butyl ether	96		96		63-130	0		20
p/m-Xylene	105		105		70-130	0		20
o-Xylene	100		105		70-130	5		20
cis-1,2-Dichloroethene	100		100		70-130	0		20
Styrene	105		105		70-130	0		20
Dichlorodifluoromethane	93		95		36-147	2		20
Acetone	89		88		58-148	1		20
Carbon disulfide	91		90		51-130	1		20
2-Butanone	88		92		63-138	4		20
4-Methyl-2-pentanone	81		85		59-130	5		20
2-Hexanone	80		80		57-130	0		20
1,2-Dibromoethane	97		97		70-130	0		20
n-Butylbenzene	100		100		53-136	0		20
sec-Butylbenzene	100		100		70-130	0		20
tert-Butylbenzene	100		100		70-130	0		20
1,2-Dibromo-3-chloropropane	78		80		41-144	3		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER WOLLENSACK OPTICAL

Project Number: 2182207

Lab Number: L2000143

Report Date: 01/06/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG1327138-10 WG1327138-11								
Isopropylbenzene	100		100		70-130	0		20
p-Isopropyltoluene	100		100		70-130	0		20
Naphthalene	95		98		70-130	3		20
n-Propylbenzene	100		100		69-130	0		20
1,2,4-Trichlorobenzene	98		98		70-130	0		20
1,3,5-Trimethylbenzene	100		100		64-130	0		20
1,2,4-Trimethylbenzene	100		100		70-130	0		20
Methyl Acetate	91		94		70-130	3		20
Cyclohexane	100		100		70-130	0		20
Freon-113	100		100		70-130	0		20
Methyl cyclohexane	100		100		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	99		100		70-130
Toluene-d8	100		100		70-130
4-Bromofluorobenzene	99		99		70-130
Dibromofluoromethane	102		102		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: FORMER WOLLENSACK OPTICAL
Project Number: 2182207
Lab Number: L2000143
Report Date: 01/06/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1327138-3 WG1327138-4								
Methylene chloride	99		97		70-130	2		20
1,1-Dichloroethane	100		100		70-130	0		20
Chloroform	100		100		70-130	0		20
Carbon tetrachloride	100		99		63-132	1		20
1,2-Dichloropropane	100		100		70-130	0		20
Dibromochloromethane	93		90		63-130	3		20
1,1,2-Trichloroethane	99		100		70-130	1		20
Tetrachloroethene	100		100		70-130	0		20
Chlorobenzene	100		100		75-130	0		20
Trichlorofluoromethane	100		110		62-150	10		20
1,2-Dichloroethane	100		100		70-130	0		20
1,1,1-Trichloroethane	110		110		67-130	0		20
Bromodichloromethane	91		92		67-130	1		20
trans-1,3-Dichloropropene	91		88		70-130	3		20
cis-1,3-Dichloropropene	96		92		70-130	4		20
Bromoform	88		92		54-136	4		20
1,1,2,2-Tetrachloroethane	95		100		67-130	5		20
Benzene	100		100		70-130	0		20
Toluene	100		100		70-130	0		20
Ethylbenzene	100		100		70-130	0		20
Chloromethane	100		100		64-130	0		20
Bromomethane	130		100		39-139	**26**	Q	20
Vinyl chloride	110		110		55-140	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: FORMER WOLLENSACK OPTICAL
Project Number: 2182207

Lab Number: L2000143
Report Date: 01/06/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1327138-3 WG1327138-4								
Chloroethane	110		110		55-138	0		20
1,1-Dichloroethene	100		100		61-145	0		20
trans-1,2-Dichloroethene	100		100		70-130	0		20
Trichloroethene	100		100		70-130	0		20
1,2-Dichlorobenzene	100		100		70-130	0		20
1,3-Dichlorobenzene	100		100		70-130	0		20
1,4-Dichlorobenzene	100		100		70-130	0		20
Methyl tert butyl ether	98		100		63-130	2		20
p/m-Xylene	110		110		70-130	0		20
o-Xylene	105		105		70-130	0		20
cis-1,2-Dichloroethene	100		100		70-130	0		20
Styrene	110		110		70-130	0		20
Dichlorodifluoromethane	100		100		36-147	0		20
Acetone	130		83		58-148	**44**	Q	20
Carbon disulfide	100		94		51-130	6		20
2-Butanone	98		92		63-138	6		20
4-Methyl-2-pentanone	88		94		59-130	7		20
2-Hexanone	86		92		57-130	7		20
1,2-Dibromoethane	99		100		70-130	1		20
n-Butylbenzene	110		110		53-136	0		20
sec-Butylbenzene	110		100		70-130	10		20
tert-Butylbenzene	100		100		70-130	0		20
1,2-Dibromo-3-chloropropane	91		87		41-144	4		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER WOLLENSACK OPTICAL

Project Number: 2182207

Lab Number: L2000143

Report Date: 01/06/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1327138-3 WG1327138-4								
Isopropylbenzene	100		100		70-130	0		20
p-Isopropyltoluene	110		110		70-130	0		20
Naphthalene	110		100		70-130	10		20
n-Propylbenzene	110		110		69-130	0		20
1,2,4-Trichlorobenzene	110		100		70-130	10		20
1,3,5-Trimethylbenzene	110		110		64-130	0		20
1,2,4-Trimethylbenzene	110		100		70-130	10		20
Methyl Acetate	94		96		70-130	2		20
Cyclohexane	100		110		70-130	10		20
Freon-113	110		110		70-130	0		20
Methyl cyclohexane	110		110		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	102		103		70-130
Toluene-d8	99		101		70-130
4-Bromofluorobenzene	99		100		70-130
Dibromofluoromethane	102		101		70-130

Matrix Spike Analysis

Batch Quality Control

Project Name: FORMER WOLLENSACK OPTICAL

Project Number: 2182207

Lab Number: L2000143

Report Date: 01/06/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1327138-6 WG1327138-7 QC Sample: L2000143-01 Client ID: BW-03-1												
Methylene chloride	ND	100	110	110		110	110		70-130	0		20
1,1-Dichloroethane	ND	100	110	110		110	110		70-130	0		20
Chloroform	ND	100	110	110		110	110		70-130	0		20
Carbon tetrachloride	ND	100	110	110		110	110		63-132	0		20
1,2-Dichloropropane	ND	100	110	110		110	110		70-130	0		20
Dibromochloromethane	ND	100	92	92		94	94		63-130	2		20
1,1,2-Trichloroethane	ND	100	110	110		110	110		70-130	0		20
Tetrachloroethene	ND	100	120	120		120	120		70-130	0		20
Chlorobenzene	ND	100	110	110		110	110		75-130	0		20
Trichlorofluoromethane	ND	100	120	120		120	120		62-150	0		20
1,2-Dichloroethane	ND	100	100	100		100	100		70-130	0		20
1,1,1-Trichloroethane	ND	100	120	120		120	120		67-130	0		20
Bromodichloromethane	ND	100	98	98		99	99		67-130	1		20
trans-1,3-Dichloropropene	ND	100	86	86		90	90		70-130	5		20
cis-1,3-Dichloropropene	ND	100	92	92		94	94		70-130	2		20
Bromoform	ND	100	87	87		91	91		54-136	4		20
1,1,2,2-Tetrachloroethane	ND	100	100	100		110	110		67-130	10		20
Benzene	ND	100	120	120		120	120		70-130	0		20
Toluene	ND	100	110	110		110	110		70-130	0		20
Ethylbenzene	ND	100	110	110		120	120		70-130	9		20
Chloromethane	ND	100	100	100		110	110		64-130	10		20
Bromomethane	ND	100	66	66		78	78		39-139	17		20
Vinyl chloride	56	100	170	114		170	114		55-140	0		20

Matrix Spike Analysis

Batch Quality Control

Project Name: FORMER WOLLENSACK OPTICAL

Project Number: 2182207

Lab Number: L2000143

Report Date: 01/06/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1327138-6 WG1327138-7 QC Sample: L2000143-01 Client ID: BW-03-1												
Chloroethane	ND	100	110	110		110	110		55-138	0		20
1,1-Dichloroethene	28	100	150	122		150	122		61-145	0		20
trans-1,2-Dichloroethene	36	100	150	114		150	114		70-130	0		20
Trichloroethene	1800	100	1900	100		1800	**0**	Q	70-130	5		20
1,2-Dichlorobenzene	ND	100	110	110		110	110		70-130	0		20
1,3-Dichlorobenzene	ND	100	110	110		110	110		70-130	0		20
1,4-Dichlorobenzene	ND	100	110	110		110	110		70-130	0		20
Methyl tert butyl ether	ND	100	100	100		100	100		63-130	0		20
p/m-Xylene	ND	200	240	120		240	120		70-130	0		20
o-Xylene	ND	200	230	115		240	120		70-130	4		20
cis-1,2-Dichloroethene	1800	100	1900	100		1900	100		70-130	0		20
Styrene	ND	200	230	115		240	120		70-130	4		20
Dichlorodifluoromethane	ND	100	120	120		110	110		36-147	9		20
Acetone	15J	100	99	99		100	100		58-148	1		20
Carbon disulfide	ND	100	100	100		100	100		51-130	0		20
2-Butanone	ND	100	96	96		95	95		63-138	1		20
4-Methyl-2-pentanone	ND	100	89	89		92	92		59-130	3		20
2-Hexanone	ND	100	81	81		87	87		57-130	7		20
1,2-Dibromoethane	ND	100	100	100		110	110		70-130	10		20
n-Butylbenzene	ND	100	110	110		120	120		53-136	9		20
sec-Butylbenzene	ND	100	120	120		120	120		70-130	0		20
tert-Butylbenzene	ND	100	110	110		120	120		70-130	9		20
1,2-Dibromo-3-chloropropane	ND	100	81	81		86	86		41-144	6		20

Matrix Spike Analysis

Batch Quality Control

Project Name: FORMER WOLLENSACK OPTICAL

Project Number: 2182207

Lab Number: L2000143

Report Date: 01/06/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1327138-6 WG1327138-7 QC Sample: L2000143-01 Client ID: BW-03-1												
Isopropylbenzene	ND	100	120	120		120	120		70-130	0		20
p-Isopropyltoluene	ND	100	120	120		120	120		70-130	0		20
Naphthalene	ND	100	93	93		100	100		70-130	7		20
n-Propylbenzene	ND	100	120	120		120	120		69-130	0		20
1,2,4-Trichlorobenzene	ND	100	100	100		110	110		70-130	10		20
1,3,5-Trimethylbenzene	ND	100	110	110		120	120		64-130	9		20
1,2,4-Trimethylbenzene	ND	100	110	110		120	120		70-130	9		20
Methyl Acetate	ND	100	97	97		99	99		70-130	2		20
Cyclohexane	ND	100	120	120		120	120		70-130	0		20
Freon-113	ND	100	120	120		120	120		70-130	0		20
Methyl cyclohexane	ND	100	130	130		130	130		70-130	0		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		100		70-130
4-Bromofluorobenzene	98		99		70-130
Dibromofluoromethane	101		101		70-130
Toluene-d8	98		99		70-130

Project Name: FORMER WOLLENSACK OPTICAL
Project Number: 2182207

Lab Number: L2000143
Report Date: 01/06/20

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2000143-01A	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2000143-01A1	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2000143-01A2	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2000143-01B	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2000143-01B1	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2000143-01B2	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2000143-02A	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2000143-02B	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2000143-02C	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2000143-03A	Vial HCl preserved	A	NA		3.6	Y	Absent		ARCHIVE()
L2000143-03B	Vial HCl preserved	A	NA		3.6	Y	Absent		ARCHIVE()

*Values in parentheses indicate holding time in days

Project Name:	FORMER WOLLENSACK OPTICAL	**Lab Number:**	L2000143
Project Number:	2182207	**Report Date:**	01/06/20

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

Report Format: DU Report with 'J' Qualifiers

Project Name:	FORMER WOLLENSACK OPTICAL	**Lab Number:**	L2000143
Project Number:	2182207	**Report Date:**	01/06/20

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration

Report Format: DU Report with 'J' Qualifiers

Project Name:	FORMER WOLLENSACK OPTICAL	**Lab Number:**	L2000143
Project Number:	2182207	**Report Date:**	01/06/20

Data Qualifiers

Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Report Format: DU Report with 'J' Qualifiers

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581 — 8 Walkup Dr. — TEL: 508-898-9220 — FAX: 508-898-9193

Mansfield, MA 02048 — 320 Forbes Blvd — TEL: 508-822-9300 — FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 1/3/20

ALPHA Job #: L2000143

Client Information
Client: LaBella Associates
Address: 300 State St
Rochester NY 14614
Phone: 585-454-6110
Email: aaquilina@labellapc.com; slogan@labellapc.com

Project Information
Project Name: Former Wollensack Optical
Project Location: 872 Hudson Ave, Rochester, NY
Project # 2182207
(Use Project name as Project #) ☐
Project Manager: Ann Aquilina
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☒ ASP-B
☐ EQuIS (1 File) ☒ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☒ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOCs + TICs	CP51 VOCs + TICs	MS/MSD	Sample Specific Comments	Total Bottle
L2000143-01	BW-03-1	1/2/20	1315	GW	SL	X	X	X		5
-02	BW-03-2	1/2/20	1330	GW	SL	X	X			3

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type
Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
Sarah Logan	1/2/20 1430	Audrey Tilley MM	1/2/20 16:30
Audrey Tilley MM	1/2/20 16:30	Wendy Mooney	1/3/20 8:45

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L2002747
Client:	LaBella Associates, P.C. 300 State Street Suite 201 Rochester, NY 14614
ATTN:	Jennifer Gillen
Phone:	(585) 454-6110
Project Name:	FORMER WOLLENSACK OPTICAL
Project Number:	2182207
Report Date:	02/10/20

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: FORMER WOLLENSACK OPTICAL
Project Number: 2182207

Lab Number: L2002747
Report Date: 02/10/20

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2002747-01	20200117-PFAAS	SOIL	ROCHESTER, NY	01/17/20 12:00	01/20/20

Project Name:	FORMER WOLLENSACK OPTICAL	**Lab Number:**	L2002747
Project Number:	2182207	**Report Date:**	02/10/20

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	FORMER WOLLENSACK OPTICAL	**Lab Number:**	L2002747
Project Number:	2182207	**Report Date:**	02/10/20

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

SPLP Perfluorinated Alkyl Acids by Isotope Dilution

L2002747-01: Extracted Internal Standard recoveries were outside the acceptance criteria for individual analytes. Please refer to the surrogate section of the report for details.

WG1334679-4: Extracted Internal Standard recoveries were outside the acceptance criteria for individual analytes. Please refer to the surrogate section of the report for details.

WG1334679-5: This blank represents the SPLP tumbling blank associated with L2002747-01.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Susan E O'Neil Susan O' Neil

Title: Technical Director/Representative Date: 02/10/20

ORGANICS

SEMIVOLATILES

Project Name: FORMER WOLLENSACK OPTICAL **Lab Number:** L2002747

Project Number: 2182207 **Report Date:** 02/10/20

SAMPLE RESULTS

Lab ID: L2002747-01
Client ID: 20200117-PFAAS
Sample Location: ROCHESTER, NY

Date Collected: 01/17/20 12:00
Date Received: 01/20/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/07/20 06:45
Analyst: JW

Extraction Method: ALPHA 23528
Extraction Date: 01/28/20 17:00

TCLP/SPLP Ext. Date: 01/21/20 16:03

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
SPLP Perfluorinated Alkyl Acids by Isotope Dilution & EPA 1312 - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	1.17	J	ng/l	1.71	0.348	1
Perfluoropentanoic Acid (PFPeA)	0.754	J	ng/l	1.71	0.338	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.71	0.203	1
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/l	1.71	0.386	1
Perfluorohexanoic Acid (PFHxA)	0.628	J	ng/l	1.71	0.280	1
Perfluoropentanesulfonic Acid (PFPeS)	ND		ng/l	1.71	0.209	1
Perfluoroheptanoic Acid (PFHpA)	0.444	J	ng/l	1.71	0.192	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.71	0.321	1
Perfluorooctanoic Acid (PFOA)	2.20		ng/l	1.71	0.201	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.71	1.14	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.71	0.587	1
Perfluorononanoic Acid (PFNA)	0.522	J	ng/l	1.71	0.266	1
Perfluorooctanesulfonic Acid (PFOS)	15.1		ng/l	1.71	0.430	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.71	0.259	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.71	1.03	1
Perfluorononanesulfonic Acid (PFNS)	ND		ng/l	1.71	0.956	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.71	0.553	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.71	0.222	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.71	0.836	1
Perfluorooctanesulfonamide (FOSA)	0.519	J	ng/l	1.71	0.495	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.71	0.686	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.71	0.317	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.71	0.279	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.71	0.212	1
PFOA/PFOS, Total	17.3		ng/l	1.71	0.201	1
PFAS, Total (5)	18.3	J	ng/l	1.71	0.192	1

Project Name: FORMER WOLLENSACK OPTICAL **Lab Number:** L2002747

Project Number: 2182207 **Report Date:** 02/10/20

SAMPLE RESULTS

Lab ID: L2002747-01 Date Collected: 01/17/20 12:00

Client ID: 20200117-PFAAS Date Received: 01/20/20

Sample Location: ROCHESTER, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

SPLP Perfluorinated Alkyl Acids by Isotope Dilution & EPA 1312 - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	98		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	113		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	111		31-159
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	171		1-313
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	84		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	90		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	112		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	97		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	220		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	107		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	112		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	102		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	**266**	Q	7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	103		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	109		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	20		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	113		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	92		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	74		33-143

Project Name: FORMER WOLLENSACK OPTICAL **Lab Number:** L2002747

Project Number: 2182207 **Report Date:** 02/10/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/06/20 23:02
Analyst: JW
TCLP/SPLP Extraction Date:

Extraction Method: ALPHA 23528
Extraction Date: 01/28/20 17:00

Parameter	Result	Qualifier	Units	RL	MDL
SPLP Perfluorinated Alkyl Acids by Isotope Dilution & EPA 1312 - Mansfield Lab for sample(s): 01 Batch: WG1334679-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/l	2.00	0.408
Perfluoropentanoic Acid (PFPeA)	0.508	J	ng/l	2.00	0.396
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	2.00	0.238
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/l	2.00	0.452
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	2.00	0.328
Perfluoropentanesulfonic Acid (PFPeS)	ND		ng/l	2.00	0.245
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	2.00	0.225
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	2.00	0.376
Perfluorooctanoic Acid (PFOA)	ND		ng/l	2.00	0.236
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	2.00	1.33
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	2.00	0.688
Perfluorononanoic Acid (PFNA)	ND		ng/l	2.00	0.312
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	2.00	0.504
Perfluorodecanoic Acid (PFDA)	ND		ng/l	2.00	0.304
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	2.00	1.21
Perfluorononanesulfonic Acid (PFNS)	ND		ng/l	2.00	1.12
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	2.00	0.648
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	2.00	0.260
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	2.00	0.980
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.00	0.580
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	2.00	0.804
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	2.00	0.372
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	2.00	0.327
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	2.00	0.248
PFOA/PFOS, Total	ND		ng/l	2.00	0.236
PFAS, Total (5)	ND		ng/l	2.00	0.225

Project Name: FORMER WOLLENSACK OPTICAL **Lab Number:** L2002747

Project Number: 2182207 **Report Date:** 02/10/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/06/20 23:02
Analyst: JW
TCLP/SPLP Extraction Date:

Extraction Method: ALPHA 23528
Extraction Date: 01/28/20 17:00

Parameter	Result	Qualifier	Units	RL	MDL
SPLP Perfluorinated Alkyl Acids by Isotope Dilution & EPA 1312 - Mansfield Lab for sample(s): 01 Batch: WG1334679-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	95		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	111		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	90		31-159
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	91		1-313
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	89		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	93		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	94		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	95		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	93		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	100		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	98		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	96		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	105		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	88		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	106		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	38		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	79		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	100		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	87		33-143

Project Name: FORMER WOLLENSACK OPTICAL **Lab Number:** L2002747

Project Number: 2182207 **Report Date:** 02/10/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/06/20 23:18
Analyst: JW
TCLP/SPLP Extraction Date: 01/21/20 16:03

Extraction Method: ALPHA 23528
Extraction Date: 01/28/20 17:00

Parameter	Result	Qualifier	Units	RL	MDL
SPLP Perfluorinated Alkyl Acids by Isotope Dilution & EPA 1312 - Mansfield Lab for sample(s): 01 Batch: WG1334679-5					
Perfluorobutanoic Acid (PFBA)	ND		ng/l	1.77	0.362
Perfluoropentanoic Acid (PFPeA)	0.404	J	ng/l	1.77	0.351
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.77	0.211
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/l	1.77	0.401
Perfluorohexanoic Acid (PFHxA)	0.340	J	ng/l	1.77	0.291
Perfluoropentanesulfonic Acid (PFPeS)	ND		ng/l	1.77	0.217
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.77	0.200
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.77	0.333
Perfluorooctanoic Acid (PFOA)	ND		ng/l	1.77	0.209
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.77	1.18
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.77	0.610
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.77	0.276
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	1.77	0.447
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.77	0.270
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.77	1.07
Perfluorononanesulfonic Acid (PFNS)	ND		ng/l	1.77	0.993
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.77	0.574
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.77	0.230
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.77	0.869
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.77	0.514
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.77	0.713
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.77	0.330
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.77	0.290
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.77	0.220
PFOA/PFOS, Total	ND		ng/l	1.77	0.209
PFAS, Total (5)	ND		ng/l	1.77	0.200

Project Name: FORMER WOLLENSACK OPTICAL **Lab Number:** L2002747

Project Number: 2182207 **Report Date:** 02/10/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/06/20 23:18
Analyst: JW
TCLP/SPLP Extraction Date: 01/21/20 16:03

Extraction Method: ALPHA 23528
Extraction Date: 01/28/20 17:00

Parameter	Result	Qualifier	Units	RL	MDL
SPLP Perfluorinated Alkyl Acids by Isotope Dilution & EPA 1312 - Mansfield Lab for sample(s): 01 Batch: WG1334679-5					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	71		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	87		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	95		31-159
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	141		1-313
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	69		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	74		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	106		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	80		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	101		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	83		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	105		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	85		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	110		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	66		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	94		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	24		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	62		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	85		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	85		33-143

Lab Control Sample Analysis
Batch Quality Control

Project Name: FORMER WOLLENSACK OPTICAL
Project Number: 2182207

Lab Number: L2002747
Report Date: 02/10/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
SPLP Perfluorinated Alkyl Acids by Isotope Dilution & EPA 1312 - Mansfield Lab Associated sample(s): 01 Batch: WG1334679-2 WG1334679-3								
Perfluorobutanoic Acid (PFBA)	102		110		67-148	8		30
Perfluoropentanoic Acid (PFPeA)	107		117		63-161	9		30
Perfluorobutanesulfonic Acid (PFBS)	100		110		65-157	10		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	108		120		37-219	11		30
Perfluorohexanoic Acid (PFHxA)	103		111		69-168	7		30
Perfluoropentanesulfonic Acid (PFPeS)	98		106		52-156	8		30
Perfluoroheptanoic Acid (PFHpA)	104		107		58-159	3		30
Perfluorohexanesulfonic Acid (PFHxS)	105		108		69-177	3		30
Perfluorooctanoic Acid (PFOA)	107		117		63-159	9		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	117		134		49-187	14		30
Perfluoroheptanesulfonic Acid (PFHpS)	113		119		61-179	5		30
Perfluorononanoic Acid (PFNA)	102		117		68-171	14		30
Perfluorooctanesulfonic Acid (PFOS)	99		114		52-151	14		30
Perfluorodecanoic Acid (PFDA)	102		111		63-171	8		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	118		145		56-173	21		30
Perfluorononanesulfonic Acid (PFNS)	104		115		48-150	10		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	117		132		60-166	12		30
Perfluoroundecanoic Acid (PFUnA)	106		109		60-153	3		30
Perfluorodecanesulfonic Acid (PFDS)	117		118		38-156	1		30
Perfluorooctanesulfonamide (FOSA)	110		106		46-170	4		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	108		114		45-170	5		30
Perfluorododecanoic Acid (PFDoA)	106		124		67-153	16		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER WOLLENSACK OPTICAL

Project Number: 2182207

Lab Number: L2002747

Report Date: 02/10/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
SPLP Perfluorinated Alkyl Acids by Isotope Dilution & EPA 1312 - Mansfield Lab Associated sample(s): 01 Batch: WG1334679-2 WG1334679-3								
Perfluorotridecanoic Acid (PFTrDA)	117		129		48-158	10		30
Perfluorotetradecanoic Acid (PFTA)	109		116		59-182	6		30

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	96		89		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	110		102		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	94		89		31-159
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	111		97		1-313
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	91		86		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	95		90		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	98		94		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	96		88		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	117		109		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	104		92		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	96		89		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	97		89		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	130		107		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	85		79		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	102		95		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	45		42		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	82		73		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	93		84		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	83		78		33-143

Lab Duplicate Analysis
Batch Quality Control

Project Name: FORMER WOLLENSACK OPTICAL
Project Number: 2182207

Lab Number: L2002747
Report Date: 02/10/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
SPLP Perfluorinated Alkyl Acids by Isotope Dilution & EPA 1312 - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1334679-4 QC Sample: L2002747-01 Client ID: 20200117-PFAAS						
Perfluorobutanoic Acid (PFBA)	1.17J	1.50J	ng/l	NC		30
Perfluoropentanoic Acid (PFPeA)	0.754J	0.753J	ng/l	NC		30
Perfluorobutanesulfonic Acid (PFBS)	ND	ND	ng/l	NC		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	ND	ng/l	NC		30
Perfluorohexanoic Acid (PFHxA)	0.628J	0.833J	ng/l	NC		30
Perfluoropentanesulfonic Acid (PFPeS)	ND	ND	ng/l	NC		30
Perfluoroheptanoic Acid (PFHpA)	0.444J	0.425J	ng/l	NC		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	ND	ng/l	NC		30
Perfluorooctanoic Acid (PFOA)	2.20	2.37	ng/l	7		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	ND	ng/l	NC		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	ND	ng/l	NC		30
Perfluorononanoic Acid (PFNA)	0.522J	0.519J	ng/l	NC		30
Perfluorooctanesulfonic Acid (PFOS)	15.1	14.3	ng/l	5		30
Perfluorodecanoic Acid (PFDA)	ND	ND	ng/l	NC		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	ND	ng/l	NC		30
Perfluorononanesulfonic Acid (PFNS)	ND	ND	ng/l	NC		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	ND	ng/l	NC		30
Perfluoroundecanoic Acid (PFUnA)	ND	ND	ng/l	NC		30
Perfluorodecanesulfonic Acid (PFDS)	ND	ND	ng/l	NC		30
Perfluorooctanesulfonamide (FOSA)	0.519J	0.770J	ng/l	NC		30

Lab Duplicate Analysis
Batch Quality Control

Project Name: FORMER WOLLENSACK OPTICAL
Project Number: 2182207

Lab Number: L2002747
Report Date: 02/10/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
SPLP Perfluorinated Alkyl Acids by Isotope Dilution & EPA 1312 - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1334679-4 QC Sample: L2002747-01 Client ID: 20200117-PFAAS						
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	ND	ng/l	NC		30
Perfluorododecanoic Acid (PFDoA)	ND	ND	ng/l	NC		30
Perfluorotridecanoic Acid (PFTrDA)	ND	ND	ng/l	NC		30
Perfluorotetradecanoic Acid (PFTA)	ND	ND	ng/l	NC		30
PFOA/PFOS, Total	17.3	16.7	ng/l	4		30
PFAS, Total (5)	18.3J	17.6J	ng/l	NC		30

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	98		91		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	113		105		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	111		99		31-159
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	171		155		1-313
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	84		83		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	90		89		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	112		109		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	97		94		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	220		184		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	107		101		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	112		106		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	102		94		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	**266**	Q	**173**	Q	7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	103		84		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	109		107		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	20		29		1-87

Lab Duplicate Analysis
Batch Quality Control

Project Name: FORMER WOLLENSACK OPTICAL
Project Number: 2182207

Lab Number: L2002747
Report Date: 02/10/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits

SPLP Perfluorinated Alkyl Acids by Isotope Dilution & EPA 1312 - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1334679-4 QC Sample: L2002747-01 Client ID: 20200117-PFAAS

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	113		84		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	92		85		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	74		70		33-143

Project Name: FORMER WOLLENSACK OPTICAL
Project Number: 2182207

Lab Number: L2002747
Report Date: 02/10/20

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2002747-01A	Plastic 8oz unpreserved	A	NA		2.2	Y	Absent		-
L2002747-01B	Plastic 2oz unpreserved for TS	A	NA		2.2	Y	Absent		-
L2002747-01X	Plastic 250ml unpreserved Extracts	A	NA		2.2	Y	Absent		A2-SPLP-537-ISOTOPE(28)
L2002747-01X9	Tumble Vessel	A	NA		2.2	Y	Absent		-
L2002747-01Y	Plastic 250ml unpreserved Extracts	A	NA		2.2	Y	Absent		A2-SPLP-537-ISOTOPE(28)
L2002747-01Z	Plastic 250ml unpreserved Extracts	A	NA		2.2	Y	Absent		A2-SPLP-537-ISOTOPE(28)
L2002747-01Z1	Plastic 250ml unpreserved Extracts	A	NA		2.2	Y	Absent		A2-SPLP-537-ISOTOPE(28)

*Values in parentheses indicate holding time in days

Project Name: FORMER WOLLENSACK OPTICAL
Project Number: 2182207
Lab Number: L2002747
Report Date: 02/10/20

PFAS PARAMETER SUMMARY

Parameter	Acronym	CAS Number
PERFLUOROALKYL CARBOXYLIC ACIDS (PFCAs)		
Perfluorooctadecanoic Acid	PFODA	16517-11-6
Perfluorohexadecanoic Acid	PFHxDA	67905-19-5
Perfluorotetradecanoic Acid	PFTA	376-06-7
Perfluorotridecanoic Acid	PFTrDA	72629-94-8
Perfluorododecanoic Acid	PFDoA	307-55-1
Perfluoroundecanoic Acid	PFUnA	2058-94-8
Perfluorodecanoic Acid	PFDA	335-76-2
Perfluorononanoic Acid	PFNA	375-95-1
Perfluorooctanoic Acid	PFOA	335-67-1
Perfluoroheptanoic Acid	PFHpA	375-85-9
Perfluorohexanoic Acid	PFHxA	307-24-4
Perfluoropentanoic Acid	PFPeA	2706-90-3
Perfluorobutanoic Acid	PFBA	375-22-4
PERFLUOROALKYL SULFONIC ACIDS (PFSAs)		
Perfluorododecanesulfonic Acid	PFDoDS	79780-39-5
Perfluorodecanesulfonic Acid	PFDS	335-77-3
Perfluorononanesulfonic Acid	PFNS	68259-12-1
Perfluorooctanesulfonic Acid	PFOS	1763-23-1
Perfluoroheptanesulfonic Acid	PFHpS	375-92-8
Perfluorohexanesulfonic Acid	PFHxS	355-46-4
Perfluoropentanesulfonic Acid	PFPeS	2706-91-4
Perfluorobutanesulfonic Acid	PFBS	375-73-5
FLUOROTELOMERS		
1H,1H,2H,2H-Perfluorododecanesulfonic Acid	10:2FTS	120226-60-0
1H,1H,2H,2H-Perfluorodecanesulfonic Acid	8:2FTS	39108-34-4
1H,1H,2H,2H-Perfluorooctanesulfonic Acid	6:2FTS	27619-97-2
1H,1H,2H,2H-Perfluorohexanesulfonic Acid	4:2FTS	757124-72-4
PERFLUOROALKANE SULFONAMIDES (FASAs)		
Perfluorooctanesulfonamide	FOSA	754-91-6
N-Ethyl Perfluorooctane Sulfonamide	NEtFOSA	4151-50-2
N-Methyl Perfluorooctane Sulfonamide	NMeFOSA	31506-32-8
PERFLUOROALKANE SULFONYL SUBSTANCES		
N-Ethyl Perfluorooctanesulfonamido Ethanol	NEtFOSE	1691-99-2
N-Methyl Perfluorooctanesulfonamido Ethanol	NMeFOSE	24448-09-7
N-Ethyl Perfluorooctanesulfonamidoacetic Acid	NEtFOSAA	2991-50-6
N-Methyl Perfluorooctanesulfonamidoacetic Acid	NMeFOSAA	2355-31-9
PER- and POLYFLUOROALKYL ETHER CARBOXYLIC ACIDS		
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid	HFPO-DA	13252-13-6
4,8-Dioxa-3h-Perfluorononanoic Acid	ADONA	919005-14-4
CHLORO-PERFLUOROALKYL SULFONIC ACIDS		
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	11Cl-PF3OUdS	763051-92-9
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid	9Cl-PF3ONS	756426-58-1

Project Name:	FORMER WOLLENSACK OPTICAL	**Lab Number:**	L2002747
Project Number:	2182207	**Report Date:**	02/10/20

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

Report Format: DU Report with 'J' Qualifiers

Project Name:	FORMER WOLLENSACK OPTICAL	**Lab Number:**	L2002747
Project Number:	2182207	**Report Date:**	02/10/20

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration

Report Format: DU Report with 'J' Qualifiers

Project Name:	FORMER WOLLENSACK OPTICAL	**Lab Number:**	L2002747
Project Number:	2182207	**Report Date:**	02/10/20

Data Qualifiers

Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Report Format: DU Report with 'J' Qualifiers

REFERENCES

134 Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS) using Isotope Dilution. Alpha SOP 23528.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

NEW YORK CHAIN OF CUSTODY

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 1/21/20

ALPHA Job #: L2002747

Client Information
Client: LuBella
Address: 300 State St. Rochester NY 14614
Phone: 585-454-6110
Fax: jfolger@labellapc.com
Email: jgillen@labellapc.com

Project Information
Project Name: Former Wollensack Optical
Project Location: Rochester, NY
Project #: 2182207
(Use Project name as Project #) ☐
Project Manager: J. Gillen
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

Deliverables
☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☒ Same as Client Info
PO # 2182207

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	ANALYSIS: 537.1 PFAs (EPA 312)	Sample Specific Comments	Total Bottle
2747-01	20200117-PFAAs	1/17/20	12:00	soil		X		

Container Type
Preservative

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
	12/20/20 15:30	Chris Stahl	01/20/2020 16:40
Chris Stahl	01/20/2020 16:40		1/21/20 00:35

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L2002906
Client:	LaBella Associates, P.C. 300 State Street Suite 201 Rochester, NY 14614
ATTN:	Jennifer Gillen
Phone:	(585) 454-6110
Project Name:	Not Specified
Project Number:	Not Specified
Report Date:	02/11/20

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L2002906
Report Date: 02/11/20

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2002906-01	BW-01-01202020	WATER	Not Specified	01/20/20 11:40	01/21/20
L2002906-02	BW-02-01212020	WATER	Not Specified	01/21/20 12:40	01/21/20
L2002906-03	BW-03-01212020	WATER	Not Specified	01/21/20 09:30	01/21/20
L2002906-04	DUP-01	WATER	Not Specified	01/21/20 00:00	01/21/20
L2002906-05	SB-MW-10-01212020	WATER	Not Specified	01/21/20 14:50	01/21/20
L2002906-06	RIMW-A-1-01202020	WATER	Not Specified	01/20/20 08:40	01/21/20
L2002906-07	RIMW-A-2-01202020	WATER	Not Specified	01/20/20 08:45	01/21/20
L2002906-08	RIMW-A-3-01202020	WATER	Not Specified	01/20/20 08:50	01/21/20
L2002906-09	RIMW-A-4-01202020	WATER	Not Specified	01/20/20 08:55	01/21/20
L2002906-10	FIELD BLANK	WATER	Not Specified	01/20/20 00:00	01/21/20
L2002906-11	TRIP BLANK	WATER	Not Specified	01/20/20 00:00	01/21/20

Project Name:	Not Specified	**Lab Number:**	L2002906
Project Number:	Not Specified	**Report Date:**	02/11/20

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	Not Specified	**Lab Number:**	L2002906
Project Number:	Not Specified	**Report Date:**	02/11/20

Case Narrative (continued)

Report Submission

February 11, 2020: This final report includes the results of all requested analyses.

January 29, 2020: This is a preliminary report.

January 28, 2020: This is a preliminary report.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Sample Receipt

L2002906-10: A sample identified as "FIELD BLANK" was received, but not listed on the Chain of Custody. At the client's request, this sample was not analyzed.

L2002906-11: A sample identified as "TRIP BLANK" was received, but not listed on the Chain of Custody. At the client's request, this sample was not analyzed.

Volatile Organics

L2002906-09D2: The analysis was performed utilizing a compromised vial.

Perfluorinated Alkyl Acids by Isotope Dilution

L2002906-01, -03, -04, and WG1332696-4/-5: Extracted Internal Standard recoveries were outside the acceptance criteria for individual analytes. Please refer to the surrogate section of the report for details.

Total Metals

The WG1332689-3/-4 MS/MSD recoveries for calcium (200%/190%), potassium (MS 129%), and sodium (0%/0%), performed on L2002906-01, do not apply because the sample concentrations are greater than four times the spike amounts added.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Kelly Stenstrom

Title: Technical Director/Representative Date: 02/11/20

ORGANICS

VOLATILES

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L2002906
Report Date: 02/11/20

SAMPLE RESULTS

Lab ID: L2002906-01 D
Client ID: BW-01-01202020
Sample Location: Not Specified

Date Collected: 01/20/20 11:40
Date Received: 01/21/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 01/23/20 15:20
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	100	28.	40
1,1-Dichloroethane	ND		ug/l	100	28.	40
Chloroform	ND		ug/l	100	28.	40
Carbon tetrachloride	ND		ug/l	20	5.4	40
1,2-Dichloropropane	ND		ug/l	40	5.5	40
Dibromochloromethane	ND		ug/l	20	6.0	40
1,1,2-Trichloroethane	ND		ug/l	60	20.	40
Tetrachloroethene	19	J	ug/l	20	7.2	40
Chlorobenzene	ND		ug/l	100	28.	40
Trichlorofluoromethane	ND		ug/l	100	28.	40
1,2-Dichloroethane	ND		ug/l	20	5.3	40
1,1,1-Trichloroethane	ND		ug/l	100	28.	40
Bromodichloromethane	ND		ug/l	20	7.7	40
trans-1,3-Dichloropropene	ND		ug/l	20	6.6	40
cis-1,3-Dichloropropene	ND		ug/l	20	5.8	40
Bromoform	ND		ug/l	80	26.	40
1,1,2,2-Tetrachloroethane	ND		ug/l	20	6.7	40
Benzene	ND		ug/l	20	6.4	40
Toluene	ND		ug/l	100	28.	40
Ethylbenzene	ND		ug/l	100	28.	40
Chloromethane	ND		ug/l	100	28.	40
Bromomethane	ND		ug/l	100	28.	40
Vinyl chloride	ND		ug/l	40	2.8	40
Chloroethane	ND		ug/l	100	28.	40
1,1-Dichloroethene	ND		ug/l	20	6.8	40
trans-1,2-Dichloroethene	ND		ug/l	100	28.	40
Trichloroethene	4200		ug/l	20	7.0	40
1,2-Dichlorobenzene	ND		ug/l	100	28.	40

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L2002906
Report Date: 02/11/20

SAMPLE RESULTS

Lab ID: L2002906-01 D
Client ID: BW-01-01202020
Sample Location: Not Specified

Date Collected: 01/20/20 11:40
Date Received: 01/21/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	100	28.	40
1,4-Dichlorobenzene	ND		ug/l	100	28.	40
Methyl tert butyl ether	ND		ug/l	100	28.	40
p/m-Xylene	ND		ug/l	100	28.	40
o-Xylene	ND		ug/l	100	28.	40
cis-1,2-Dichloroethene	140		ug/l	100	28.	40
Styrene	ND		ug/l	100	28.	40
Dichlorodifluoromethane	ND		ug/l	200	40.	40
Acetone	ND		ug/l	200	58.	40
Carbon disulfide	ND		ug/l	200	40.	40
2-Butanone	ND		ug/l	200	78.	40
4-Methyl-2-pentanone	ND		ug/l	200	40.	40
2-Hexanone	ND		ug/l	200	40.	40
Bromochloromethane	ND		ug/l	100	28.	40
1,2-Dibromoethane	ND		ug/l	80	26.	40
1,2-Dibromo-3-chloropropane	ND		ug/l	100	28.	40
Isopropylbenzene	ND		ug/l	100	28.	40
1,2,3-Trichlorobenzene	ND		ug/l	100	28.	40
1,2,4-Trichlorobenzene	ND		ug/l	100	28.	40
Methyl Acetate	ND		ug/l	80	9.4	40
Cyclohexane	ND		ug/l	400	11.	40
1,4-Dioxane	ND		ug/l	10000	2400	40
Freon-113	ND		ug/l	100	28.	40
Methyl cyclohexane	ND		ug/l	400	16.	40

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/l	40

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	105		70-130

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L2002906
Report Date: 02/11/20

SAMPLE RESULTS

Lab ID: L2002906-02
Client ID: BW-02-01212020
Sample Location: Not Specified

Date Collected: 01/21/20 12:40
Date Received: 01/21/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 01/23/20 14:56
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	5.0		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	0.80		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L2002906
Report Date: 02/11/20

SAMPLE RESULTS

Lab ID: L2002906-02
Client ID: BW-02-01212020
Sample Location: Not Specified

Date Collected: 01/21/20 12:40
Date Received: 01/21/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	9.9		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	4.0	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	1.3	J	ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Tentatively Identified Compounds					
Total TIC Compounds	2.41	J	ug/l		1
Unknown	2.41	J	ug/l		1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	105		70-130

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L2002906
Report Date: 02/11/20

SAMPLE RESULTS

Lab ID: L2002906-03 D
Client ID: BW-03-01212020
Sample Location: Not Specified

Date Collected: 01/21/20 09:30
Date Received: 01/21/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 01/23/20 15:43
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	50	14.	20
1,1-Dichloroethane	ND		ug/l	50	14.	20
Chloroform	ND		ug/l	50	14.	20
Carbon tetrachloride	ND		ug/l	10	2.7	20
1,2-Dichloropropane	ND		ug/l	20	2.7	20
Dibromochloromethane	ND		ug/l	10	3.0	20
1,1,2-Trichloroethane	ND		ug/l	30	10.	20
Tetrachloroethene	ND		ug/l	10	3.6	20
Chlorobenzene	ND		ug/l	50	14.	20
Trichlorofluoromethane	ND		ug/l	50	14.	20
1,2-Dichloroethane	ND		ug/l	10	2.6	20
1,1,1-Trichloroethane	ND		ug/l	50	14.	20
Bromodichloromethane	ND		ug/l	10	3.8	20
trans-1,3-Dichloropropene	ND		ug/l	10	3.3	20
cis-1,3-Dichloropropene	ND		ug/l	10	2.9	20
Bromoform	ND		ug/l	40	13.	20
1,1,2,2-Tetrachloroethane	ND		ug/l	10	3.3	20
Benzene	ND		ug/l	10	3.2	20
Toluene	ND		ug/l	50	14.	20
Ethylbenzene	ND		ug/l	50	14.	20
Chloromethane	ND		ug/l	50	14.	20
Bromomethane	ND		ug/l	50	14.	20
Vinyl chloride	31		ug/l	20	1.4	20
Chloroethane	ND		ug/l	50	14.	20
1,1-Dichloroethene	17		ug/l	10	3.4	20
trans-1,2-Dichloroethene	18	J	ug/l	50	14.	20
Trichloroethene	180		ug/l	10	3.5	20
1,2-Dichlorobenzene	ND		ug/l	50	14.	20

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L2002906
Report Date: 02/11/20

SAMPLE RESULTS

Lab ID: L2002906-03 D
Client ID: BW-03-01212020
Sample Location: Not Specified

Date Collected: 01/21/20 09:30
Date Received: 01/21/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	50	14.	20
1,4-Dichlorobenzene	ND		ug/l	50	14.	20
Methyl tert butyl ether	ND		ug/l	50	14.	20
p/m-Xylene	ND		ug/l	50	14.	20
o-Xylene	ND		ug/l	50	14.	20
cis-1,2-Dichloroethene	1600		ug/l	50	14.	20
Styrene	ND		ug/l	50	14.	20
Dichlorodifluoromethane	ND		ug/l	100	20.	20
Acetone	ND		ug/l	100	29.	20
Carbon disulfide	ND		ug/l	100	20.	20
2-Butanone	ND		ug/l	100	39.	20
4-Methyl-2-pentanone	ND		ug/l	100	20.	20
2-Hexanone	ND		ug/l	100	20.	20
Bromochloromethane	ND		ug/l	50	14.	20
1,2-Dibromoethane	ND		ug/l	40	13.	20
1,2-Dibromo-3-chloropropane	ND		ug/l	50	14.	20
Isopropylbenzene	ND		ug/l	50	14.	20
1,2,3-Trichlorobenzene	ND		ug/l	50	14.	20
1,2,4-Trichlorobenzene	ND		ug/l	50	14.	20
Methyl Acetate	ND		ug/l	40	4.7	20
Cyclohexane	ND		ug/l	200	5.4	20
1,4-Dioxane	ND		ug/l	5000	1200	20
Freon-113	ND		ug/l	50	14.	20
Methyl cyclohexane	ND		ug/l	200	7.9	20

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/l	20

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	105		70-130

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L2002906
Report Date: 02/11/20

SAMPLE RESULTS

Lab ID: L2002906-04 D
Client ID: DUP-01
Sample Location: Not Specified

Date Collected: 01/21/20 00:00
Date Received: 01/21/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 01/23/20 16:06
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	62	18.	25
1,1-Dichloroethane	ND		ug/l	62	18.	25
Chloroform	ND		ug/l	62	18.	25
Carbon tetrachloride	ND		ug/l	12	3.4	25
1,2-Dichloropropane	ND		ug/l	25	3.4	25
Dibromochloromethane	ND		ug/l	12	3.7	25
1,1,2-Trichloroethane	ND		ug/l	38	12.	25
Tetrachloroethene	21		ug/l	12	4.5	25
Chlorobenzene	ND		ug/l	62	18.	25
Trichlorofluoromethane	ND		ug/l	62	18.	25
1,2-Dichloroethane	ND		ug/l	12	3.3	25
1,1,1-Trichloroethane	ND		ug/l	62	18.	25
Bromodichloromethane	ND		ug/l	12	4.8	25
trans-1,3-Dichloropropene	ND		ug/l	12	4.1	25
cis-1,3-Dichloropropene	ND		ug/l	12	3.6	25
Bromoform	ND		ug/l	50	16.	25
1,1,2,2-Tetrachloroethane	ND		ug/l	12	4.2	25
Benzene	ND		ug/l	12	4.0	25
Toluene	ND		ug/l	62	18.	25
Ethylbenzene	ND		ug/l	62	18.	25
Chloromethane	ND		ug/l	62	18.	25
Bromomethane	ND		ug/l	62	18.	25
Vinyl chloride	ND		ug/l	25	1.8	25
Chloroethane	ND		ug/l	62	18.	25
1,1-Dichloroethene	ND		ug/l	12	4.2	25
trans-1,2-Dichloroethene	ND		ug/l	62	18.	25
Trichloroethene	4000		ug/l	12	4.4	25
1,2-Dichlorobenzene	ND		ug/l	62	18.	25

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L2002906
Report Date: 02/11/20

SAMPLE RESULTS

Lab ID: L2002906-04 D
Client ID: DUP-01
Sample Location: Not Specified

Date Collected: 01/21/20 00:00
Date Received: 01/21/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	62	18.	25
1,4-Dichlorobenzene	ND		ug/l	62	18.	25
Methyl tert butyl ether	ND		ug/l	62	18.	25
p/m-Xylene	ND		ug/l	62	18.	25
o-Xylene	ND		ug/l	62	18.	25
cis-1,2-Dichloroethene	140		ug/l	62	18.	25
Styrene	ND		ug/l	62	18.	25
Dichlorodifluoromethane	ND		ug/l	120	25.	25
Acetone	ND		ug/l	120	36.	25
Carbon disulfide	ND		ug/l	120	25.	25
2-Butanone	ND		ug/l	120	48.	25
4-Methyl-2-pentanone	ND		ug/l	120	25.	25
2-Hexanone	ND		ug/l	120	25.	25
Bromochloromethane	ND		ug/l	62	18.	25
1,2-Dibromoethane	ND		ug/l	50	16.	25
1,2-Dibromo-3-chloropropane	ND		ug/l	62	18.	25
Isopropylbenzene	ND		ug/l	62	18.	25
1,2,3-Trichlorobenzene	ND		ug/l	62	18.	25
1,2,4-Trichlorobenzene	ND		ug/l	62	18.	25
Methyl Acetate	ND		ug/l	50	5.8	25
Cyclohexane	ND		ug/l	250	6.8	25
1,4-Dioxane	ND		ug/l	6200	1500	25
Freon-113	ND		ug/l	62	18.	25
Methyl cyclohexane	ND		ug/l	250	9.9	25

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/l	25

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	103		70-130

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L2002906
Report Date: 02/11/20

SAMPLE RESULTS

Lab ID: L2002906-05
Client ID: SB-MW-10-01212020
Sample Location: Not Specified

Date Collected: 01/21/20 14:50
Date Received: 01/21/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 01/23/20 12:21
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	8.2		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	2.8		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L2002906
Report Date: 02/11/20

SAMPLE RESULTS

Lab ID: L2002906-05
Client ID: SB-MW-10-01212020
Sample Location: Not Specified

Date Collected: 01/21/20 14:50
Date Received: 01/21/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	1.6	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Tentatively Identified Compounds			
No Tentatively Identified Compounds	ND	ug/l	1

Project Name: Not Specified
Project Number: Not Specified
Lab Number: L2002906
Report Date: 02/11/20

SAMPLE RESULTS

Lab ID: L2002906-05
Client ID: SB-MW-10-01212020
Sample Location: Not Specified
Date Collected: 01/21/20 14:50
Date Received: 01/21/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	83		70-130
Dibromofluoromethane	95		70-130

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L2002906
Report Date: 02/11/20

SAMPLE RESULTS

Lab ID: L2002906-06 D
Client ID: RIMW-A-1-01202020
Sample Location: Not Specified

Date Collected: 01/20/20 08:40
Date Received: 01/21/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 01/23/20 19:35
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	100	28.	40
1,1-Dichloroethane	ND		ug/l	100	28.	40
Chloroform	ND		ug/l	100	28.	40
Carbon tetrachloride	ND		ug/l	20	5.4	40
1,2-Dichloropropane	ND		ug/l	40	5.5	40
Dibromochloromethane	ND		ug/l	20	6.0	40
1,1,2-Trichloroethane	ND		ug/l	60	20.	40
Tetrachloroethene	39		ug/l	20	7.2	40
Chlorobenzene	ND		ug/l	100	28.	40
Trichlorofluoromethane	ND		ug/l	100	28.	40
1,2-Dichloroethane	ND		ug/l	20	5.3	40
1,1,1-Trichloroethane	ND		ug/l	100	28.	40
Bromodichloromethane	ND		ug/l	20	7.7	40
trans-1,3-Dichloropropene	ND		ug/l	20	6.6	40
cis-1,3-Dichloropropene	ND		ug/l	20	5.8	40
Bromoform	ND		ug/l	80	26.	40
1,1,2,2-Tetrachloroethane	ND		ug/l	20	6.7	40
Benzene	ND		ug/l	20	6.4	40
Toluene	ND		ug/l	100	28.	40
Ethylbenzene	ND		ug/l	100	28.	40
Chloromethane	ND		ug/l	100	28.	40
Bromomethane	ND		ug/l	100	28.	40
Vinyl chloride	11	J	ug/l	40	2.8	40
Chloroethane	ND		ug/l	100	28.	40
1,1-Dichloroethene	6.8	J	ug/l	20	6.8	40
trans-1,2-Dichloroethene	110		ug/l	100	28.	40
Trichloroethene	6600		ug/l	20	7.0	40
1,2-Dichlorobenzene	ND		ug/l	100	28.	40

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L2002906
Report Date: 02/11/20

SAMPLE RESULTS

Lab ID: L2002906-06 D
Client ID: RIMW-A-1-01202020
Sample Location: Not Specified

Date Collected: 01/20/20 08:40
Date Received: 01/21/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	100	28.	40
1,4-Dichlorobenzene	ND		ug/l	100	28.	40
Methyl tert butyl ether	ND		ug/l	100	28.	40
p/m-Xylene	ND		ug/l	100	28.	40
o-Xylene	ND		ug/l	100	28.	40
cis-1,2-Dichloroethene	160		ug/l	100	28.	40
Styrene	ND		ug/l	100	28.	40
Dichlorodifluoromethane	ND		ug/l	200	40.	40
Acetone	ND		ug/l	200	58.	40
Carbon disulfide	ND		ug/l	200	40.	40
2-Butanone	ND		ug/l	200	78.	40
4-Methyl-2-pentanone	ND		ug/l	200	40.	40
2-Hexanone	ND		ug/l	200	40.	40
1,2-Dibromoethane	ND		ug/l	80	26.	40
n-Butylbenzene	ND		ug/l	100	28.	40
sec-Butylbenzene	ND		ug/l	100	28.	40
tert-Butylbenzene	ND		ug/l	100	28.	40
1,2-Dibromo-3-chloropropane	ND		ug/l	100	28.	40
Isopropylbenzene	ND		ug/l	100	28.	40
p-Isopropyltoluene	ND		ug/l	100	28.	40
Naphthalene	ND		ug/l	100	28.	40
n-Propylbenzene	ND		ug/l	100	28.	40
1,2,4-Trichlorobenzene	ND		ug/l	100	28.	40
1,3,5-Trimethylbenzene	ND		ug/l	100	28.	40
1,2,4-Trimethylbenzene	ND		ug/l	100	28.	40
Methyl Acetate	ND		ug/l	80	9.4	40
Cyclohexane	ND		ug/l	400	11.	40
Freon-113	ND		ug/l	100	28.	40
Methyl cyclohexane	ND		ug/l	400	16.	40

Tentatively Identified Compounds			
No Tentatively Identified Compounds	ND	ug/l	40

Project Name: Not Specified **Lab Number:** L2002906

Project Number: Not Specified **Report Date:** 02/11/20

SAMPLE RESULTS

Lab ID: L2002906-06 D
Client ID: RIMW-A-1-01202020
Sample Location: Not Specified

Date Collected: 01/20/20 08:40
Date Received: 01/21/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	89		70-130
Toluene-d8	123		70-130
4-Bromofluorobenzene	73		70-130
Dibromofluoromethane	76		70-130

Project Name: Not Specified
Project Number: Not Specified
Lab Number: L2002906
Report Date: 02/11/20

SAMPLE RESULTS

Lab ID: L2002906-07 D
Client ID: RIMW-A-2-01202020
Sample Location: Not Specified
Date Collected: 01/20/20 08:45
Date Received: 01/21/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 01/23/20 20:00
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	120	35.	50
1,1-Dichloroethane	ND		ug/l	120	35.	50
Chloroform	ND		ug/l	120	35.	50
Carbon tetrachloride	ND		ug/l	25	6.7	50
1,2-Dichloropropane	ND		ug/l	50	6.8	50
Dibromochloromethane	ND		ug/l	25	7.4	50
1,1,2-Trichloroethane	ND		ug/l	75	25.	50
Tetrachloroethene	31		ug/l	25	9.0	50
Chlorobenzene	ND		ug/l	120	35.	50
Trichlorofluoromethane	ND		ug/l	120	35.	50
1,2-Dichloroethane	ND		ug/l	25	6.6	50
1,1,1-Trichloroethane	ND		ug/l	120	35.	50
Bromodichloromethane	ND		ug/l	25	9.6	50
trans-1,3-Dichloropropene	ND		ug/l	25	8.2	50
cis-1,3-Dichloropropene	ND		ug/l	25	7.2	50
Bromoform	ND		ug/l	100	32.	50
1,1,2,2-Tetrachloroethane	ND		ug/l	25	8.4	50
Benzene	ND		ug/l	25	8.0	50
Toluene	ND		ug/l	120	35.	50
Ethylbenzene	ND		ug/l	120	35.	50
Chloromethane	ND		ug/l	120	35.	50
Bromomethane	ND		ug/l	120	35.	50
Vinyl chloride	12	J	ug/l	50	3.6	50
Chloroethane	ND		ug/l	120	35.	50
1,1-Dichloroethene	ND		ug/l	25	8.4	50
trans-1,2-Dichloroethene	120		ug/l	120	35.	50
Trichloroethene	5900		ug/l	25	8.8	50
1,2-Dichlorobenzene	ND		ug/l	120	35.	50

Project Name: Not Specified
Project Number: Not Specified
Lab Number: L2002906
Report Date: 02/11/20

SAMPLE RESULTS

Lab ID: L2002906-07 D
Client ID: RIMW-A-2-01202020
Sample Location: Not Specified
Date Collected: 01/20/20 08:45
Date Received: 01/21/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	120	35.	50
1,4-Dichlorobenzene	ND		ug/l	120	35.	50
Methyl tert butyl ether	ND		ug/l	120	35.	50
p/m-Xylene	ND		ug/l	120	35.	50
o-Xylene	ND		ug/l	120	35.	50
cis-1,2-Dichloroethene	200		ug/l	120	35.	50
Styrene	ND		ug/l	120	35.	50
Dichlorodifluoromethane	ND		ug/l	250	50.	50
Acetone	ND		ug/l	250	73.	50
Carbon disulfide	ND		ug/l	250	50.	50
2-Butanone	ND		ug/l	250	97.	50
4-Methyl-2-pentanone	ND		ug/l	250	50.	50
2-Hexanone	ND		ug/l	250	50.	50
1,2-Dibromoethane	ND		ug/l	100	32.	50
n-Butylbenzene	ND		ug/l	120	35.	50
sec-Butylbenzene	ND		ug/l	120	35.	50
tert-Butylbenzene	ND		ug/l	120	35.	50
1,2-Dibromo-3-chloropropane	ND		ug/l	120	35.	50
Isopropylbenzene	ND		ug/l	120	35.	50
p-Isopropyltoluene	ND		ug/l	120	35.	50
Naphthalene	ND		ug/l	120	35.	50
n-Propylbenzene	ND		ug/l	120	35.	50
1,2,4-Trichlorobenzene	ND		ug/l	120	35.	50
1,3,5-Trimethylbenzene	ND		ug/l	120	35.	50
1,2,4-Trimethylbenzene	ND		ug/l	120	35.	50
Methyl Acetate	ND		ug/l	100	12.	50
Cyclohexane	ND		ug/l	500	14.	50
Freon-113	ND		ug/l	120	35.	50
Methyl cyclohexane	ND		ug/l	500	20.	50

Tentatively Identified Compounds			
No Tentatively Identified Compounds	ND	ug/l	50

Project Name: Not Specified **Lab Number:** L2002906

Project Number: Not Specified **Report Date:** 02/11/20

SAMPLE RESULTS

Lab ID: L2002906-07 D
Client ID: RIMW-A-2-01202020
Sample Location: Not Specified

Date Collected: 01/20/20 08:45
Date Received: 01/21/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	124		70-130
Dibromofluoromethane	93		70-130

Project Name: Not Specified
Project Number: Not Specified
Lab Number: L2002906
Report Date: 02/11/20

SAMPLE RESULTS

Lab ID: L2002906-08 D
Client ID: RIMW-A-3-01202020
Sample Location: Not Specified
Date Collected: 01/20/20 08:50
Date Received: 01/21/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 01/23/20 20:25
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	120	35.	50
1,1-Dichloroethane	ND		ug/l	120	35.	50
Chloroform	ND		ug/l	120	35.	50
Carbon tetrachloride	ND		ug/l	25	6.7	50
1,2-Dichloropropane	ND		ug/l	50	6.8	50
Dibromochloromethane	ND		ug/l	25	7.4	50
1,1,2-Trichloroethane	ND		ug/l	75	25.	50
Tetrachloroethene	52		ug/l	25	9.0	50
Chlorobenzene	ND		ug/l	120	35.	50
Trichlorofluoromethane	ND		ug/l	120	35.	50
1,2-Dichloroethane	ND		ug/l	25	6.6	50
1,1,1-Trichloroethane	ND		ug/l	120	35.	50
Bromodichloromethane	ND		ug/l	25	9.6	50
trans-1,3-Dichloropropene	ND		ug/l	25	8.2	50
cis-1,3-Dichloropropene	ND		ug/l	25	7.2	50
Bromoform	ND		ug/l	100	32.	50
1,1,2,2-Tetrachloroethane	ND		ug/l	25	8.4	50
Benzene	ND		ug/l	25	8.0	50
Toluene	ND		ug/l	120	35.	50
Ethylbenzene	ND		ug/l	120	35.	50
Chloromethane	ND		ug/l	120	35.	50
Bromomethane	ND		ug/l	120	35.	50
Vinyl chloride	18	J	ug/l	50	3.6	50
Chloroethane	ND		ug/l	120	35.	50
1,1-Dichloroethene	9.5	J	ug/l	25	8.4	50
trans-1,2-Dichloroethene	160		ug/l	120	35.	50
Trichloroethene	8700		ug/l	25	8.8	50
1,2-Dichlorobenzene	ND		ug/l	120	35.	50

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L2002906
Report Date: 02/11/20

SAMPLE RESULTS

Lab ID: L2002906-08 D
Client ID: RIMW-A-3-01202020
Sample Location: Not Specified

Date Collected: 01/20/20 08:50
Date Received: 01/21/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	120	35.	50
1,4-Dichlorobenzene	ND		ug/l	120	35.	50
Methyl tert butyl ether	ND		ug/l	120	35.	50
p/m-Xylene	ND		ug/l	120	35.	50
o-Xylene	ND		ug/l	120	35.	50
cis-1,2-Dichloroethene	210		ug/l	120	35.	50
Styrene	ND		ug/l	120	35.	50
Dichlorodifluoromethane	ND		ug/l	250	50.	50
Acetone	ND		ug/l	250	73.	50
Carbon disulfide	ND		ug/l	250	50.	50
2-Butanone	ND		ug/l	250	97.	50
4-Methyl-2-pentanone	ND		ug/l	250	50.	50
2-Hexanone	ND		ug/l	250	50.	50
1,2-Dibromoethane	ND		ug/l	100	32.	50
n-Butylbenzene	ND		ug/l	120	35.	50
sec-Butylbenzene	ND		ug/l	120	35.	50
tert-Butylbenzene	ND		ug/l	120	35.	50
1,2-Dibromo-3-chloropropane	ND		ug/l	120	35.	50
Isopropylbenzene	ND		ug/l	120	35.	50
p-Isopropyltoluene	ND		ug/l	120	35.	50
Naphthalene	ND		ug/l	120	35.	50
n-Propylbenzene	ND		ug/l	120	35.	50
1,2,4-Trichlorobenzene	ND		ug/l	120	35.	50
1,3,5-Trimethylbenzene	ND		ug/l	120	35.	50
1,2,4-Trimethylbenzene	ND		ug/l	120	35.	50
Methyl Acetate	ND		ug/l	100	12.	50
Cyclohexane	ND		ug/l	500	14.	50
Freon-113	ND		ug/l	120	35.	50
Methyl cyclohexane	ND		ug/l	500	20.	50

Tentatively Identified Compounds			
No Tentatively Identified Compounds	ND	ug/l	50

Project Name: Not Specified **Lab Number:** L2002906

Project Number: Not Specified **Report Date:** 02/11/20

SAMPLE RESULTS

Lab ID: L2002906-08 D
Client ID: RIMW-A-3-01202020
Sample Location: Not Specified

Date Collected: 01/20/20 08:50
Date Received: 01/21/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	94		70-130

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L2002906
Report Date: 02/11/20

SAMPLE RESULTS

Lab ID: L2002906-09
Client ID: RIMW-A-4-01202020
Sample Location: Not Specified

Date Collected: 01/20/20 08:55
Date Received: 01/21/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 01/23/20 12:46
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	60		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	0.16	J	ug/l	0.50	0.16	1
Toluene	2.4	J	ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	18		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	6.6		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	120		ug/l	2.5	0.70	1
Trichloroethene	3700	E	ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L2002906
Report Date: 02/11/20

SAMPLE RESULTS

Lab ID: L2002906-09
Client ID: RIMW-A-4-01202020
Sample Location: Not Specified

Date Collected: 01/20/20 08:55
Date Received: 01/21/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	1.0	J	ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	200	E	ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	0.45	J	ug/l	10	0.27	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Tentatively Identified Compounds				
Total TIC Compounds	2.36	J	ug/l	1
Butane, 2-Methyl-	2.36	NJ	ug/l	1

Project Name: Not Specified **Lab Number:** L2002906

Project Number: Not Specified **Report Date:** 02/11/20

SAMPLE RESULTS

Lab ID: L2002906-09 Date Collected: 01/20/20 08:55

Client ID: RIMW-A-4-01202020 Date Received: 01/21/20

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	90		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	86		70-130
Dibromofluoromethane	97		70-130

Project Name: Not Specified
Project Number: Not Specified
Lab Number: L2002906
Report Date: 02/11/20

SAMPLE RESULTS

Lab ID: L2002906-09 D2
Client ID: RIMW-A-4-01202020
Sample Location: Not Specified
Date Collected: 01/20/20 08:55
Date Received: 01/21/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 01/25/20 02:30
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
cis-1,2-Dichloroethene	150		ug/l	100	28.	40

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	93		70-130

Project Name: Not Specified
Project Number: Not Specified
Lab Number: L2002906
Report Date: 02/11/20

SAMPLE RESULTS

Lab ID: L2002906-09 D
Client ID: RIMW-A-4-01202020
Sample Location: Not Specified
Date Collected: 01/20/20 08:55
Date Received: 01/21/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 01/23/20 20:49
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	8100		ug/l	200	70.	400

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	119		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	79		70-130
Dibromofluoromethane	82		70-130

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L2002906
Report Date: 02/11/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/23/20 08:23
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1333212-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L2002906
Report Date: 02/11/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/23/20 08:23
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1333212-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Tentatively Identified Compounds

No Tentatively Identified Compounds ND ug/l

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L2002906
Report Date: 02/11/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/23/20 08:23
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1333212-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	95		70-130

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L2002906
Report Date: 02/11/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/23/20 10:13
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05,09 Batch: WG1333238-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L2002906
Report Date: 02/11/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/23/20 10:13
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05,09 Batch: WG1333238-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
1,2-Dibromoethane	ND		ug/l	2.0	0.65
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L2002906
Report Date: 02/11/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/23/20 10:13
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05,09 Batch: WG1333238-5					
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/l		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	88		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	84		70-130
Dibromofluoromethane	93		70-130

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L2002906
Report Date: 02/11/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/23/20 19:10
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06-09 Batch: WG1333538-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L2002906
Report Date: 02/11/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/23/20 19:10
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06-09 Batch: WG1333538-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
1,2-Dibromoethane	ND		ug/l	2.0	0.65
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L2002906
Report Date: 02/11/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/23/20 19:10
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06-09 Batch: WG1333538-5					
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/l		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	116		70-130
Dibromofluoromethane	94		70-130

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L2002906
Report Date: 02/11/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/24/20 18:48
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 09 Batch: WG1333825-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L2002906
Report Date: 02/11/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/24/20 18:48
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 09 Batch: WG1333825-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
1,2-Dibromoethane	ND		ug/l	2.0	0.65
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L2002906
Report Date: 02/11/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/24/20 18:48
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 09 Batch: WG1333825-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	98		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L2002906
Report Date: 02/11/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1333212-3 WG1333212-4								
Methylene chloride	89		87		70-130	2		20
1,1-Dichloroethane	87		86		70-130	1		20
Chloroform	86		83		70-130	4		20
Carbon tetrachloride	86		84		63-132	2		20
1,2-Dichloropropane	81		82		70-130	1		20
Dibromochloromethane	80		77		63-130	4		20
1,1,2-Trichloroethane	88		85		70-130	3		20
Tetrachloroethene	90		89		70-130	1		20
Chlorobenzene	88		87		75-130	1		20
Trichlorofluoromethane	110		110		62-150	0		20
1,2-Dichloroethane	81		80		70-130	1		20
1,1,1-Trichloroethane	89		87		67-130	2		20
Bromodichloromethane	75		72		67-130	4		20
trans-1,3-Dichloropropene	74		74		70-130	0		20
cis-1,3-Dichloropropene	78		77		70-130	1		20
Bromoform	78		76		54-136	3		20
1,1,2,2-Tetrachloroethane	88		87		67-130	1		20
Benzene	88		88		70-130	0		20
Toluene	86		85		70-130	1		20
Ethylbenzene	88		86		70-130	2		20
Chloromethane	120		110		64-130	9		20
Bromomethane	110		100		39-139	10		20
Vinyl chloride	100		100		55-140	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L2002906
Report Date: 02/11/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1333212-3 WG1333212-4								
Chloroethane	95		94		55-138	1		20
1,1-Dichloroethene	97		95		61-145	2		20
trans-1,2-Dichloroethene	90		89		70-130	1		20
Trichloroethene	85		81		70-130	5		20
1,2-Dichlorobenzene	88		87		70-130	1		20
1,3-Dichlorobenzene	87		87		70-130	0		20
1,4-Dichlorobenzene	86		86		70-130	0		20
Methyl tert butyl ether	84		84		63-130	0		20
p/m-Xylene	90		90		70-130	0		20
o-Xylene	90		90		70-130	0		20
cis-1,2-Dichloroethene	86		88		70-130	2		20
Styrene	90		90		70-130	0		20
Dichlorodifluoromethane	130		130		36-147	0		20
Acetone	80		77		58-148	4		20
Carbon disulfide	90		89		51-130	1		20
2-Butanone	93		90		63-138	3		20
4-Methyl-2-pentanone	68		68		59-130	0		20
2-Hexanone	65		63		57-130	3		20
Bromochloromethane	96		93		70-130	3		20
1,2-Dibromoethane	86		85		70-130	1		20
1,2-Dibromo-3-chloropropane	78		76		41-144	3		20
Isopropylbenzene	88		87		70-130	1		20
1,2,3-Trichlorobenzene	90		89		70-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: Not Specified

Lab Number: L2002906

Report Date: 02/11/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1333212-3 WG1333212-4								
1,2,4-Trichlorobenzene	87		86		70-130	1		20
Methyl Acetate	84		84		70-130	0		20
Cyclohexane	89		88		70-130	1		20
1,4-Dioxane	98		92		56-162	6		20
Freon-113	100		100		70-130	0		20
Methyl cyclohexane	90		91		70-130	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	99		97		70-130
Toluene-d8	101		101		70-130
4-Bromofluorobenzene	95		94		70-130
Dibromofluoromethane	101		101		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: Not Specified

Lab Number: L2002906

Report Date: 02/11/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05,09 Batch: WG1333238-3 WG1333238-4								
Methylene chloride	92		91		70-130	1		20
1,1-Dichloroethane	94		91		70-130	3		20
Chloroform	100		94		70-130	6		20
Carbon tetrachloride	94		92		63-132	2		20
1,2-Dichloropropane	91		90		70-130	1		20
Dibromochloromethane	95		97		63-130	2		20
1,1,2-Trichloroethane	92		93		70-130	1		20
Tetrachloroethene	100		99		70-130	1		20
Chlorobenzene	96		96		75-130	0		20
Trichlorofluoromethane	100		97		62-150	3		20
1,2-Dichloroethane	90		90		70-130	0		20
1,1,1-Trichloroethane	96		92		67-130	4		20
Bromodichloromethane	94		94		67-130	0		20
trans-1,3-Dichloropropene	83		84		70-130	1		20
cis-1,3-Dichloropropene	90		89		70-130	1		20
Bromoform	96		97		54-136	1		20
1,1,2,2-Tetrachloroethane	84		89		67-130	6		20
Benzene	98		97		70-130	1		20
Toluene	93		93		70-130	0		20
Ethylbenzene	93		92		70-130	1		20
Chloromethane	90		87		64-130	3		20
Bromomethane	**140**	Q	**140**	Q	39-139	0		20
Vinyl chloride	120		120		55-140	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L2002906
Report Date: 02/11/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05,09 Batch: WG1333238-3 WG1333238-4								
Chloroethane	110		100		55-138	10		20
1,1-Dichloroethene	94		91		61-145	3		20
trans-1,2-Dichloroethene	95		93		70-130	2		20
Trichloroethene	91		89		70-130	2		20
1,2-Dichlorobenzene	95		97		70-130	2		20
1,3-Dichlorobenzene	96		95		70-130	1		20
1,4-Dichlorobenzene	96		98		70-130	2		20
Methyl tert butyl ether	96		95		63-130	1		20
p/m-Xylene	95		95		70-130	0		20
o-Xylene	95		95		70-130	0		20
cis-1,2-Dichloroethene	95		94		70-130	1		20
Styrene	95		90		70-130	5		20
Dichlorodifluoromethane	130		130		36-147	0		20
Acetone	76		87		58-148	13		20
Carbon disulfide	93		90		51-130	3		20
2-Butanone	78		85		63-138	9		20
4-Methyl-2-pentanone	86		93		59-130	8		20
2-Hexanone	74		79		57-130	7		20
1,2-Dibromoethane	90		92		70-130	2		20
n-Butylbenzene	87		85		53-136	2		20
sec-Butylbenzene	87		87		70-130	0		20
tert-Butylbenzene	88		90		70-130	2		20
1,2-Dibromo-3-chloropropane	81		94		41-144	15		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: Not Specified

Lab Number: L2002906

Report Date: 02/11/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05,09 Batch: WG1333238-3 WG1333238-4								
Isopropylbenzene	87		87		70-130	0		20
p-Isopropyltoluene	88		89		70-130	1		20
Naphthalene	85		90		70-130	6		20
n-Propylbenzene	86		86		69-130	0		20
1,2,4-Trichlorobenzene	88		90		70-130	2		20
1,3,5-Trimethylbenzene	88		88		64-130	0		20
1,2,4-Trimethylbenzene	87		87		70-130	0		20
Methyl Acetate	79		83		70-130	5		20
Cyclohexane	84		81		70-130	4		20
Freon-113	96		94		70-130	2		20
Methyl cyclohexane	87		85		70-130	2		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	89		90		70-130
Toluene-d8	91		92		70-130
4-Bromofluorobenzene	82		82		70-130
Dibromofluoromethane	98		95		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L2002906
Report Date: 02/11/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06-09 Batch: WG1333538-3 WG1333538-4								
Methylene chloride	96		83		70-130	15		20
1,1-Dichloroethane	120		100		70-130	18		20
Chloroform	96		87		70-130	10		20
Carbon tetrachloride	96		88		63-132	9		20
1,2-Dichloropropane	100		100		70-130	0		20
Dibromochloromethane	84		65		63-130	**26**	Q	20
1,1,2-Trichloroethane	92		81		70-130	13		20
Tetrachloroethene	80		70		70-130	13		20
Chlorobenzene	88		87		75-130	1		20
Trichlorofluoromethane	80		83		62-150	4		20
1,2-Dichloroethane	84		82		70-130	2		20
1,1,1-Trichloroethane	95		88		67-130	8		20
Bromodichloromethane	90		92		67-130	2		20
trans-1,3-Dichloropropene	94		77		70-130	20		20
cis-1,3-Dichloropropene	89		98		70-130	10		20
Bromoform	74		87		54-136	16		20
1,1,2,2-Tetrachloroethane	94		100		67-130	6		20
Benzene	97		88		70-130	10		20
Toluene	87		79		70-130	10		20
Ethylbenzene	91		91		70-130	0		20
Chloromethane	110		99		64-130	11		20
Bromomethane	**37**	Q	41		39-139	10		20
Vinyl chloride	90		98		55-140	9		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: Not Specified

Lab Number: L2002906

Report Date: 02/11/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06-09 Batch: WG1333538-3 WG1333538-4								
Chloroethane	82		85		55-138	4		20
1,1-Dichloroethene	99		81		61-145	20		20
trans-1,2-Dichloroethene	95		82		70-130	15		20
Trichloroethene	90		87		70-130	3		20
1,2-Dichlorobenzene	83		80		70-130	4		20
1,3-Dichlorobenzene	88		86		70-130	2		20
1,4-Dichlorobenzene	88		87		70-130	1		20
Methyl tert butyl ether	100		95		63-130	5		20
p/m-Xylene	90		85		70-130	6		20
o-Xylene	80		85		70-130	6		20
cis-1,2-Dichloroethene	97		84		70-130	14		20
Styrene	75		85		70-130	13		20
Dichlorodifluoromethane	110		91		36-147	19		20
Acetone	120		83		58-148	**36**	Q	20
Carbon disulfide	100		85		51-130	16		20
2-Butanone	130		100		63-138	**26**	Q	20
4-Methyl-2-pentanone	110		94		59-130	16		20
2-Hexanone	120		110		57-130	9		20
1,2-Dibromoethane	84		72		70-130	15		20
n-Butylbenzene	97		100		53-136	3		20
sec-Butylbenzene	84		89		70-130	6		20
tert-Butylbenzene	89		100		70-130	12		20
1,2-Dibromo-3-chloropropane	81		74		41-144	9		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: Not Specified

Lab Number: L2002906

Report Date: 02/11/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06-09 Batch: WG1333538-3 WG1333538-4								
Isopropylbenzene	82		100		70-130	20		20
p-Isopropyltoluene	80		86		70-130	7		20
Naphthalene	89		95		70-130	7		20
n-Propylbenzene	95		100		69-130	5		20
1,2,4-Trichlorobenzene	88		94		70-130	7		20
1,3,5-Trimethylbenzene	91		100		64-130	9		20
1,2,4-Trimethylbenzene	78		96		70-130	**21**	Q	20
Methyl Acetate	**150**	Q	130		70-130	14		20
Cyclohexane	120		100		70-130	18		20
Freon-113	100		85		70-130	16		20
Methyl cyclohexane	91		87		70-130	4		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	102		93		70-130
Toluene-d8	92		87		70-130
4-Bromofluorobenzene	104		112		70-130
Dibromofluoromethane	100		92		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L2002906
Report Date: 02/11/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09 Batch: WG1333825-3 WG1333825-4								
Methylene chloride	95		86		70-130	10		20
1,1-Dichloroethane	98		86		70-130	13		20
Chloroform	99		90		70-130	10		20
Carbon tetrachloride	100		85		63-132	16		20
1,2-Dichloropropane	92		83		70-130	10		20
Dibromochloromethane	91		80		63-130	13		20
1,1,2-Trichloroethane	100		92		70-130	8		20
Tetrachloroethene	100		89		70-130	12		20
Chlorobenzene	100		88		75-130	13		20
Trichlorofluoromethane	120		100		62-150	18		20
1,2-Dichloroethane	94		85		70-130	10		20
1,1,1-Trichloroethane	100		90		67-130	11		20
Bromodichloromethane	89		79		67-130	12		20
trans-1,3-Dichloropropene	83		76		70-130	9		20
cis-1,3-Dichloropropene	87		78		70-130	11		20
Bromoform	90		79		54-136	13		20
1,1,2,2-Tetrachloroethane	100		90		67-130	11		20
Benzene	99		87		70-130	13		20
Toluene	98		87		70-130	12		20
Ethylbenzene	100		89		70-130	12		20
Chloromethane	100		91		64-130	9		20
Bromomethane	90		84		39-139	7		20
Vinyl chloride	94		81		55-140	15		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: Not Specified

Lab Number: L2002906

Report Date: 02/11/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09 Batch: WG1333825-3 WG1333825-4								
Chloroethane	98		82		55-138	18		20
1,1-Dichloroethene	99		85		61-145	15		20
trans-1,2-Dichloroethene	98		84		70-130	15		20
Trichloroethene	97		84		70-130	14		20
1,2-Dichlorobenzene	100		93		70-130	7		20
1,3-Dichlorobenzene	100		91		70-130	9		20
1,4-Dichlorobenzene	100		91		70-130	9		20
Methyl tert butyl ether	97		88		63-130	10		20
p/m-Xylene	105		90		70-130	15		20
o-Xylene	105		90		70-130	15		20
cis-1,2-Dichloroethene	99		85		70-130	15		20
Styrene	105		90		70-130	15		20
Dichlorodifluoromethane	140		120		36-147	15		20
Acetone	76		76		58-148	0		20
Carbon disulfide	84		72		51-130	15		20
2-Butanone	80		74		63-138	8		20
4-Methyl-2-pentanone	78		73		59-130	7		20
2-Hexanone	70		63		57-130	11		20
1,2-Dibromoethane	95		86		70-130	10		20
n-Butylbenzene	100		91		53-136	9		20
sec-Butylbenzene	100		90		70-130	11		20
tert-Butylbenzene	100		90		70-130	11		20
1,2-Dibromo-3-chloropropane	87		80		41-144	8		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: Not Specified

Lab Number: L2002906

Report Date: 02/11/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09 Batch: WG1333825-3 WG1333825-4								
Isopropylbenzene	100		90		70-130	11		20
p-Isopropyltoluene	100		92		70-130	8		20
Naphthalene	100		95		70-130	5		20
n-Propylbenzene	100		90		69-130	11		20
1,2,4-Trichlorobenzene	100		93		70-130	7		20
1,3,5-Trimethylbenzene	100		91		64-130	9		20
1,2,4-Trimethylbenzene	100		92		70-130	8		20
Methyl Acetate	86		80		70-130	7		20
Cyclohexane	95		81		70-130	16		20
Freon-113	110		93		70-130	17		20
Methyl cyclohexane	99		86		70-130	14		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	103		101		70-130
Toluene-d8	99		99		70-130
4-Bromofluorobenzene	94		93		70-130
Dibromofluoromethane	103		102		70-130

Matrix Spike Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: Not Specified

Lab Number: L2002906

Report Date: 02/11/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG1333212-6 WG1333212-7 QC Sample: L2002906-01 Client ID: BW-01-01202020												
Methylene chloride	ND	400	380	95		400	100		70-130	5		20
1,1-Dichloroethane	ND	400	380	95		400	100		70-130	5		20
Chloroform	ND	400	390	98		400	100		70-130	3		20
Carbon tetrachloride	ND	400	400	100		420	105		63-132	5		20
1,2-Dichloropropane	ND	400	330	82		350	88		70-130	6		20
Dibromochloromethane	ND	400	330	82		350	88		63-130	6		20
1,1,2-Trichloroethane	ND	400	360	90		390	98		70-130	8		20
Tetrachloroethene	19J	400	400	100		430	108		70-130	7		20
Chlorobenzene	ND	400	370	92		390	98		75-130	5		20
Trichlorofluoromethane	ND	400	560	140		590	148		62-150	5		20
1,2-Dichloroethane	ND	400	380	95		380	95		70-130	0		20
1,1,1-Trichloroethane	ND	400	410	103		440	110		67-130	7		20
Bromodichloromethane	ND	400	340	85		350	88		67-130	3		20
trans-1,3-Dichloropropene	ND	400	290	72		310	78		70-130	7		20
cis-1,3-Dichloropropene	ND	400	310	78		320	80		70-130	3		20
Bromoform	ND	400	310	78		320	80		54-136	3		20
1,1,2,2-Tetrachloroethane	ND	400	340	85		380	95		67-130	11		20
Benzene	ND	400	380	95		390	98		70-130	3		20
Toluene	ND	400	370	92		390	98		70-130	5		20
Ethylbenzene	ND	400	380	95		400	100		70-130	5		20
Chloromethane	ND	400	440	110		500	125		64-130	13		20
Bromomethane	ND	400	320	80		350	88		39-139	9		20
Vinyl chloride	ND	400	420	105		480	120		55-140	13		20

Matrix Spike Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: Not Specified

Lab Number: L2002906

Report Date: 02/11/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG1333212-6 WG1333212-7 QC Sample: L2002906-01 Client ID: BW-01-01202020												
Chloroethane	ND	400	460	115		490	123		55-138	6		20
1,1-Dichloroethene	ND	400	430	108		450	113		61-145	5		20
trans-1,2-Dichloroethene	ND	400	390	98		420	105		70-130	7		20
Trichloroethene	4200	400	4300	**25**	Q	4300	**25**	Q	70-130	0		20
1,2-Dichlorobenzene	ND	400	360	90		380	95		70-130	5		20
1,3-Dichlorobenzene	ND	400	350	88		380	95		70-130	8		20
1,4-Dichlorobenzene	ND	400	350	88		380	95		70-130	8		20
Methyl tert butyl ether	ND	400	340	85		360	90		63-130	6		20
p/m-Xylene	ND	800	770	96		820	103		70-130	6		20
o-Xylene	ND	800	760	95		800	100		70-130	5		20
cis-1,2-Dichloroethene	140	400	540	100		560	105		70-130	4		20
Styrene	ND	800	740	92		760	95		70-130	3		20
Dichlorodifluoromethane	ND	400	600	**150**	Q	650	**163**	Q	36-147	8		20
Acetone	ND	400	300	75		340	85		58-148	13		20
Carbon disulfide	ND	400	400	100		420	105		51-130	5		20
2-Butanone	ND	400	290	72		300	75		63-138	3		20
4-Methyl-2-pentanone	ND	400	240	60		280	70		59-130	15		20
2-Hexanone	ND	400	220	**55**	Q	240	60		57-130	9		20
Bromochloromethane	ND	400	420	105		420	105		70-130	0		20
1,2-Dibromoethane	ND	400	350	88		370	92		70-130	6		20
1,2-Dibromo-3-chloropropane	ND	400	280	70		320	80		41-144	13		20
Isopropylbenzene	ND	400	350	88		380	95		70-130	8		20
1,2,3-Trichlorobenzene	ND	400	330	82		370	92		70-130	11		20

Matrix Spike Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: Not Specified

Lab Number: L2002906

Report Date: 02/11/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG1333212-6 WG1333212-7 QC Sample: L2002906-01 Client ID: BW-01-01202020												
1,2,4-Trichlorobenzene	ND	400	330	82		360	90		70-130	9		20
Methyl Acetate	ND	400	300	75		340	85		70-130	13		20
Cyclohexane	ND	400	370J	92		400	100		70-130	8		20
1,4-Dioxane	ND	20000	18000	90		18000	90		56-162	0		20
Freon-113	ND	400	470	118		490	123		70-130	4		20
Methyl cyclohexane	ND	400	410	103		430	108		70-130	5		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		108		70-130
4-Bromofluorobenzene	88		91		70-130
Dibromofluoromethane	107		106		70-130
Toluene-d8	99		101		70-130

SEMIVOLATILES

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L2002906
Report Date: 02/11/20

SAMPLE RESULTS

Lab ID: L2002906-01
Client ID: BW-01-01202020
Sample Location: Not Specified

Date Collected: 01/20/20 11:40
Date Received: 01/21/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 01/23/20 16:14
Analyst: DW

Extraction Method: EPA 3510C
Extraction Date: 01/22/20 15:24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	1.8	J	ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L2002906
Report Date: 02/11/20

SAMPLE RESULTS

Lab ID: L2002906-01
Client ID: BW-01-01202020
Sample Location: Not Specified

Date Collected: 01/20/20 11:40
Date Received: 01/21/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	1.6	J	ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Carbazole	ND		ug/l	2.0	0.49	1
Atrazine	ND		ug/l	10	0.76	1
Benzaldehyde	ND		ug/l	5.0	0.53	1
Caprolactam	ND		ug/l	10	3.3	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.84	1

Project Name: Not Specified
Project Number: Not Specified
Lab Number: L2002906
Report Date: 02/11/20

SAMPLE RESULTS

Lab ID: L2002906-01
Client ID: BW-01-01202020
Sample Location: Not Specified
Date Collected: 01/20/20 11:40
Date Received: 01/21/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Tentatively Identified Compounds						
Total TIC Compounds	200	J	ug/l			1
Tetrachloroethene	7.24	NJ	ug/l			1
Cyclic Octaatomic Sulfur	9.71	NJ	ug/l			1
Aldol Condensates (A)	3.02	J	ug/l			1
Toluene	2.84	NJ	ug/l			1
Unknown	2.80	J	ug/l			1
Unknown	3.42	J	ug/l			1
Unknown Organic Acid	18.9	J	ug/l			1
Unknown Phenol	1.67	J	ug/l			1
Unknown	3.49	J	ug/l			1
Unknown Organic Acid	1.74	J	ug/l			1
Aldol Condensates (A)	123	J	ug/l			1
Unknown Organic Acid	1.74	J	ug/l			1
Unknown	14.5	J	ug/l			1
Unknown	2.73	J	ug/l			1
Unknown	3.09	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	67		21-120
Phenol-d6	54		10-120
Nitrobenzene-d5	67		23-120
2-Fluorobiphenyl	63		15-120
2,4,6-Tribromophenol	102		10-120
4-Terphenyl-d14	73		41-149

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L2002906
Report Date: 02/11/20

SAMPLE RESULTS

Lab ID: L2002906-01
Client ID: BW-01-01202020
Sample Location: Not Specified

Date Collected: 01/20/20 11:40
Date Received: 01/21/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 01/23/20 12:40
Analyst: CB

Extraction Method: EPA 3510C
Extraction Date: 01/22/20 15:24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.10	J	ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	0.25		ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	0.02	J	ug/l	0.10	0.01	1
Anthracene	0.02	J	ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	0.13		ug/l	0.10	0.01	1
Phenanthrene	0.08	J	ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	ND		ug/l	0.10	0.02	1
2-Methylnaphthalene	0.20		ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: Not Specified
Project Number: Not Specified
Lab Number: L2002906
Report Date: 02/11/20

SAMPLE RESULTS

Lab ID: L2002906-01
Client ID: BW-01-01202020
Sample Location: Not Specified
Date Collected: 01/20/20 11:40
Date Received: 01/21/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	73		21-120
Phenol-d6	60		10-120
Nitrobenzene-d5	87		23-120
2-Fluorobiphenyl	86		15-120
2,4,6-Tribromophenol	107		10-120
4-Terphenyl-d14	106		41-149

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L2002906
Report Date: 02/11/20

SAMPLE RESULTS

Lab ID: L2002906-01
Client ID: BW-01-01202020
Sample Location: Not Specified

Date Collected: 01/20/20 11:40
Date Received: 01/21/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 01/24/20 18:51
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 01/23/20 08:40

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270D-SIM - Mansfield Lab						
1,4-Dioxane	529.		ng/l	139	31.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	48		15-110

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L2002906
Report Date: 02/11/20

SAMPLE RESULTS

Lab ID: L2002906-01
Client ID: BW-01-01202020
Sample Location: Not Specified

Date Collected: 01/20/20 11:40
Date Received: 01/21/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/07/20 00:58
Analyst: JW

Extraction Method: ALPHA 23528
Extraction Date: 01/22/20 14:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	19.4		ng/l	1.78	0.363	1
Perfluoropentanoic Acid (PFPeA)	3.63		ng/l	1.78	0.352	1
Perfluorobutanesulfonic Acid (PFBS)	1.47	J	ng/l	1.78	0.212	1
Perfluorohexanoic Acid (PFHxA)	3.65		ng/l	1.78	0.292	1
Perfluoroheptanoic Acid (PFHpA)	3.58		ng/l	1.78	0.200	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.78	0.334	1
Perfluorooctanoic Acid (PFOA)	9.47		ng/l	1.78	0.210	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.78	1.18	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.78	0.612	1
Perfluorononanoic Acid (PFNA)	0.334	J	ng/l	1.78	0.278	1
Perfluorooctanesulfonic Acid (PFOS)	1.41	J	ng/l	1.78	0.448	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.78	0.270	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.78	1.08	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.78	0.576	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.78	0.231	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.78	0.872	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.78	0.516	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.78	0.715	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.78	0.331	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.78	0.291	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.78	0.221	1
PFOA/PFOS, Total	10.9	J	ng/l	1.78	0.210	1

Project Name: Not Specified
Project Number: Not Specified
Lab Number: L2002906
Report Date: 02/11/20

SAMPLE RESULTS

Lab ID: L2002906-01
Client ID: BW-01-01202020
Sample Location: Not Specified
Date Collected: 01/20/20 11:40
Date Received: 01/21/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	137		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	141		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	111		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	94		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	111		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	119		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	124		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	**288**	Q	1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	134		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	110		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	115		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	**264**	Q	7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	109		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	117		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	42		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	106		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	98		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	86		33-143

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L2002906
Report Date: 02/11/20

SAMPLE RESULTS

Lab ID: L2002906-02
Client ID: BW-02-01212020
Sample Location: Not Specified

Date Collected: 01/21/20 12:40
Date Received: 01/21/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 01/23/20 10:34
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 01/22/20 15:24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1

Project Name: Not Specified
Project Number: Not Specified
Lab Number: L2002906
Report Date: 02/11/20

SAMPLE RESULTS

Lab ID: L2002906-02
Client ID: BW-02-01212020
Sample Location: Not Specified
Date Collected: 01/21/20 12:40
Date Received: 01/21/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Carbazole	ND		ug/l	2.0	0.49	1
Atrazine	ND		ug/l	10	0.76	1
Benzaldehyde	ND		ug/l	5.0	0.53	1
Caprolactam	ND		ug/l	10	3.3	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.84	1

Tentatively Identified Compounds						
Total TIC Compounds	209	J	ug/l			1
Unknown	1.67	J	ug/l			1
Unknown	2.04	J	ug/l			1
Unknown	2.36	J	ug/l			1
Aldol Condensates (A)	24.3	J	ug/l			1
Sulfur	2.73	NJ	ug/l			1
Unknown	2.62	J	ug/l			1
Unknown	2.94	J	ug/l			1
Unknown	3.38	J	ug/l			1
Unknown Organic Acid	4.76	J	ug/l			1
Unknown	3.96	J	ug/l			1
Cyclic Octaatomic Sulfur	157	NJ	ug/l			1
Unknown	1.64	J	ug/l			1

Project Name: Not Specified
Project Number: Not Specified
Lab Number: L2002906
Report Date: 02/11/20

SAMPLE RESULTS

Lab ID: L2002906-02
Client ID: BW-02-01212020
Sample Location: Not Specified
Date Collected: 01/21/20 12:40
Date Received: 01/21/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	62		21-120
Phenol-d6	52		10-120
Nitrobenzene-d5	62		23-120
2-Fluorobiphenyl	63		15-120
2,4,6-Tribromophenol	83		10-120
4-Terphenyl-d14	79		41-149

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L2002906
Report Date: 02/11/20

SAMPLE RESULTS

Lab ID: L2002906-02
Client ID: BW-02-01212020
Sample Location: Not Specified

Date Collected: 01/21/20 12:40
Date Received: 01/21/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 01/24/20 11:44
Analyst: CB

Extraction Method: EPA 3510C
Extraction Date: 01/22/20 15:24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.03	J	ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	ND		ug/l	0.10	0.05	1
Benzo(a)anthracene	0.03	J	ug/l	0.10	0.02	1
Benzo(a)pyrene	0.02	J	ug/l	0.10	0.02	1
Benzo(b)fluoranthene	0.03	J	ug/l	0.10	0.01	1
Benzo(k)fluoranthene	0.02	J	ug/l	0.10	0.01	1
Chrysene	0.02	J	ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	0.02	J	ug/l	0.10	0.01	1
Benzo(ghi)perylene	0.03	J	ug/l	0.10	0.01	1
Fluorene	0.02	J	ug/l	0.10	0.01	1
Phenanthrene	0.03	J	ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	0.03	J	ug/l	0.10	0.01	1
Pyrene	0.02	J	ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: Not Specified
Project Number: Not Specified
Lab Number: L2002906
Report Date: 02/11/20

SAMPLE RESULTS

Lab ID: L2002906-02
Client ID: BW-02-01212020
Sample Location: Not Specified
Date Collected: 01/21/20 12:40
Date Received: 01/21/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	66		21-120
Phenol-d6	56		10-120
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	79		15-120
2,4,6-Tribromophenol	104		10-120
4-Terphenyl-d14	110		41-149

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L2002906
Report Date: 02/11/20

SAMPLE RESULTS

Lab ID: L2002906-02
Client ID: BW-02-01212020
Sample Location: Not Specified

Date Collected: 01/21/20 12:40
Date Received: 01/21/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 01/24/20 14:18
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 01/23/20 08:40

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270D-SIM - Mansfield Lab						
1,4-Dioxane	ND		ng/l	139	31.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	45		15-110

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L2002906
Report Date: 02/11/20

SAMPLE RESULTS

Lab ID: L2002906-02
Client ID: BW-02-01212020
Sample Location: Not Specified

Date Collected: 01/21/20 12:40
Date Received: 01/21/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/06/20 20:33
Analyst: JW

Extraction Method: ALPHA 23528
Extraction Date: 01/22/20 14:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	14.2		ng/l	2.10	0.428	1
Perfluoropentanoic Acid (PFPeA)	3.02		ng/l	2.10	0.416	1
Perfluorobutanesulfonic Acid (PFBS)	0.307	J	ng/l	2.10	0.250	1
Perfluorohexanoic Acid (PFHxA)	2.08	J	ng/l	2.10	0.344	1
Perfluoroheptanoic Acid (PFHpA)	0.470	J	ng/l	2.10	0.236	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	2.10	0.395	1
Perfluorooctanoic Acid (PFOA)	0.727	J	ng/l	2.10	0.248	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	2.10	1.40	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	2.10	0.723	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	2.10	0.328	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	2.10	0.529	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	2.10	0.319	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	2.10	1.27	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	2.10	0.681	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	2.10	0.273	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	2.10	1.03	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.10	0.609	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	2.10	0.844	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	2.10	0.391	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	2.10	0.344	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	2.10	0.260	1
PFOA/PFOS, Total	0.727	J	ng/l	2.10	0.248	1

Project Name: Not Specified
Project Number: Not Specified
Lab Number: L2002906
Report Date: 02/11/20

SAMPLE RESULTS

Lab ID: L2002906-02
Client ID: BW-02-01212020
Sample Location: Not Specified
Date Collected: 01/21/20 12:40
Date Received: 01/21/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	118		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	137		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	96		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	98		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	101		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	104		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	107		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	139		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	107		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	100		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	95		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	125		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	87		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	102		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	33		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	88		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	91		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	80		33-143

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L2002906
Report Date: 02/11/20

SAMPLE RESULTS

Lab ID: L2002906-03
Client ID: BW-03-01212020
Sample Location: Not Specified

Date Collected: 01/21/20 09:30
Date Received: 01/21/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 01/23/20 10:58
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 01/22/20 15:24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L2002906
Report Date: 02/11/20

SAMPLE RESULTS

Lab ID: L2002906-03
Client ID: BW-03-01212020
Sample Location: Not Specified

Date Collected: 01/21/20 09:30
Date Received: 01/21/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Carbazole	ND		ug/l	2.0	0.49	1
Atrazine	ND		ug/l	10	0.76	1
Benzaldehyde	ND		ug/l	5.0	0.53	1
Caprolactam	ND		ug/l	10	3.3	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.84	1

Tentatively Identified Compounds				
Total TIC Compounds	28.7	J	ug/l	1
Unknown	1.60	J	ug/l	1
Unknown Organic Acid	4.51	J	ug/l	1
Unknown	1.89	J	ug/l	1
Aldol Condensates (A)	12.8	J	ug/l	1
Cyclic Octaatomic Sulfur	3.09	NJ	ug/l	1
Unknown	3.31	J	ug/l	1
Unknown	1.45	J	ug/l	1

Project Name: Not Specified
Project Number: Not Specified
Lab Number: L2002906
Report Date: 02/11/20

SAMPLE RESULTS

Lab ID: L2002906-03
Client ID: BW-03-01212020
Sample Location: Not Specified
Date Collected: 01/21/20 09:30
Date Received: 01/21/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	56		21-120
Phenol-d6	45		10-120
Nitrobenzene-d5	57		23-120
2-Fluorobiphenyl	58		15-120
2,4,6-Tribromophenol	84		10-120
4-Terphenyl-d14	76		41-149

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L2002906
Report Date: 02/11/20

SAMPLE RESULTS

Lab ID: L2002906-03
Client ID: BW-03-01212020
Sample Location: Not Specified

Date Collected: 01/21/20 09:30
Date Received: 01/21/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 01/24/20 11:59
Analyst: CB

Extraction Method: EPA 3510C
Extraction Date: 01/22/20 15:24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.02	J	ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	0.06	J	ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	ND		ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	0.02	J	ug/l	0.10	0.01	1
Phenanthrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	ND		ug/l	0.10	0.02	1
2-Methylnaphthalene	0.04	J	ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: Not Specified
Project Number: Not Specified
Lab Number: L2002906
Report Date: 02/11/20

SAMPLE RESULTS

Lab ID: L2002906-03
Client ID: BW-03-01212020
Sample Location: Not Specified
Date Collected: 01/21/20 09:30
Date Received: 01/21/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	59		21-120
Phenol-d6	50		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	77		15-120
2,4,6-Tribromophenol	107		10-120
4-Terphenyl-d14	107		41-149

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L2002906
Report Date: 02/11/20

SAMPLE RESULTS

Lab ID: L2002906-03
Client ID: BW-03-01212020
Sample Location: Not Specified

Date Collected: 01/21/20 09:30
Date Received: 01/21/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 01/24/20 14:49
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 01/23/20 08:40

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270D-SIM - Mansfield Lab						
1,4-Dioxane	287.		ng/l	139	31.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	50		15-110

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L2002906
Report Date: 02/11/20

SAMPLE RESULTS

Lab ID: L2002906-03
Client ID: BW-03-01212020
Sample Location: Not Specified

Date Collected: 01/21/20 09:30
Date Received: 01/21/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/06/20 20:49
Analyst: JW

Extraction Method: ALPHA 23528
Extraction Date: 01/22/20 14:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	14.5		ng/l	2.14	0.438	1
Perfluoropentanoic Acid (PFPeA)	2.31		ng/l	2.14	0.425	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	2.14	0.255	1
Perfluorohexanoic Acid (PFHxA)	1.15	J	ng/l	2.14	0.352	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	2.14	0.242	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	2.14	0.403	1
Perfluorooctanoic Acid (PFOA)	0.657	J	ng/l	2.14	0.253	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	2.14	1.43	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	2.14	0.738	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	2.14	0.335	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	2.14	0.541	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	2.14	0.326	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	2.14	1.30	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	2.14	0.695	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	2.14	0.279	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	2.14	1.05	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.14	0.622	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	2.14	0.863	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	2.14	0.399	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	2.14	0.351	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	2.14	0.266	1
PFOA/PFOS, Total	0.657	J	ng/l	2.14	0.253	1

Project Name: Not Specified
Project Number: Not Specified
Lab Number: L2002906
Report Date: 02/11/20

SAMPLE RESULTS

Lab ID: L2002906-03
Client ID: BW-03-01212020
Sample Location: Not Specified
Date Collected: 01/21/20 09:30
Date Received: 01/21/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	111		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	125		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	110		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	97		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	105		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	117		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	114		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	227		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	117		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	118		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	111		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	**214**	Q	7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	104		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	113		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	39		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	102		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	102		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	88		33-143

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L2002906
Report Date: 02/11/20

SAMPLE RESULTS

Lab ID: L2002906-04
Client ID: DUP-01
Sample Location: Not Specified

Date Collected: 01/21/20 00:00
Date Received: 01/21/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 01/23/20 11:22
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 01/22/20 15:24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L2002906
Report Date: 02/11/20

SAMPLE RESULTS

Lab ID: L2002906-04
Client ID: DUP-01
Sample Location: Not Specified

Date Collected: 01/21/20 00:00
Date Received: 01/21/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	0.57	J	ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	1.4	J	ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Carbazole	ND		ug/l	2.0	0.49	1
Atrazine	ND		ug/l	10	0.76	1
Benzaldehyde	ND		ug/l	5.0	0.53	1
Caprolactam	ND		ug/l	10	3.3	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.84	1

Tentatively Identified Compounds					
Total TIC Compounds	72.4	J	ug/l		1
Unknown	3.67	J	ug/l		1
Unknown Organic Acid	1.82	J	ug/l		1
Unknown	3.64	J	ug/l		1
Unknown Organic Acid	1.78	J	ug/l		1
Cyclic Octaatomic Sulfur	29.9	NJ	ug/l		1
Tetrachloroethene	6.00	NJ	ug/l		1
Aldol Condensates (A)	16.1	J	ug/l		1
Toluene	2.25	NJ	ug/l		1
Unknown Organic Acid	4.33	J	ug/l		1
Unknown	2.87	J	ug/l		1

Project Name: Not Specified
Project Number: Not Specified
Lab Number: L2002906
Report Date: 02/11/20

SAMPLE RESULTS

Lab ID: L2002906-04
Client ID: DUP-01
Sample Location: Not Specified
Date Collected: 01/21/20 00:00
Date Received: 01/21/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	63		21-120
Phenol-d6	51		10-120
Nitrobenzene-d5	65		23-120
2-Fluorobiphenyl	62		15-120
2,4,6-Tribromophenol	88		10-120
4-Terphenyl-d14	79		41-149

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L2002906
Report Date: 02/11/20

SAMPLE RESULTS

Lab ID: L2002906-04
Client ID: DUP-01
Sample Location: Not Specified

Date Collected: 01/21/20 00:00
Date Received: 01/21/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 01/24/20 12:31
Analyst: CB

Extraction Method: EPA 3510C
Extraction Date: 01/22/20 15:24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.10	J	ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.02	J	ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	0.23		ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	0.02	J	ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	0.12		ug/l	0.10	0.01	1
Phenanthrene	0.07	J	ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	ND		ug/l	0.10	0.02	1
2-Methylnaphthalene	0.18		ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: Not Specified
Project Number: Not Specified
Lab Number: L2002906
Report Date: 02/11/20

SAMPLE RESULTS

Lab ID: L2002906-04
Client ID: DUP-01
Sample Location: Not Specified
Date Collected: 01/21/20 00:00
Date Received: 01/21/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	63		21-120
Phenol-d6	54		10-120
Nitrobenzene-d5	79		23-120
2-Fluorobiphenyl	79		15-120
2,4,6-Tribromophenol	107		10-120
4-Terphenyl-d14	106		41-149

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L2002906
Report Date: 02/11/20

SAMPLE RESULTS

Lab ID: L2002906-04
Client ID: DUP-01
Sample Location: Not Specified

Date Collected: 01/21/20 00:00
Date Received: 01/21/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 01/24/20 15:21
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 01/23/20 08:40

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270D-SIM - Mansfield Lab						
1,4-Dioxane	560.		ng/l	139	31.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	52		15-110

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L2002906
Report Date: 02/11/20

SAMPLE RESULTS

Lab ID: L2002906-04
Client ID: DUP-01
Sample Location: Not Specified

Date Collected: 01/21/20 00:00
Date Received: 01/21/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/06/20 21:06
Analyst: JW

Extraction Method: ALPHA 23528
Extraction Date: 01/22/20 14:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	26.5		ng/l	1.80	0.367	1
Perfluoropentanoic Acid (PFPeA)	4.49		ng/l	1.80	0.356	1
Perfluorobutanesulfonic Acid (PFBS)	1.37	J	ng/l	1.80	0.214	1
Perfluorohexanoic Acid (PFHxA)	3.88		ng/l	1.80	0.295	1
Perfluoroheptanoic Acid (PFHpA)	3.77		ng/l	1.80	0.202	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.80	0.338	1
Perfluorooctanoic Acid (PFOA)	10.9		ng/l	1.80	0.212	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.80	1.20	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.80	0.619	1
Perfluorononanoic Acid (PFNA)	0.313	J	ng/l	1.80	0.280	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	1.80	0.453	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.80	0.273	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.80	1.09	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.80	0.583	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.80	0.234	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.80	0.881	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.80	0.522	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.80	0.723	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.80	0.334	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.80	0.294	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.80	0.223	1
PFOA/PFOS, Total	10.9		ng/l	1.80	0.212	1

Project Name: Not Specified
Project Number: Not Specified
Lab Number: L2002906
Report Date: 02/11/20

SAMPLE RESULTS

Lab ID: L2002906-04
Client ID: DUP-01
Sample Location: Not Specified
Date Collected: 01/21/20 00:00
Date Received: 01/21/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	103		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	102		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	90		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	72		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	84		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	101		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	93		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	242		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	108		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	100		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	90		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	**218**	Q	7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	85		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	95		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	30		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	89		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	83		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	72		33-143

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L2002906
Report Date: 02/11/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/06/20 14:44
Analyst: JW

Extraction Method: ALPHA 23528
Extraction Date: 01/22/20 14:15

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-04 Batch: WG1332696-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/l	2.00	0.408
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	2.00	0.396
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	2.00	0.238
Perfluorohexanoic Acid (PFHxA)	0.416	J	ng/l	2.00	0.328
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	2.00	0.225
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	2.00	0.376
Perfluorooctanoic Acid (PFOA)	ND		ng/l	2.00	0.236
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	1.59	J	ng/l	2.00	1.33
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	2.00	0.688
Perfluorononanoic Acid (PFNA)	ND		ng/l	2.00	0.312
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	2.00	0.504
Perfluorodecanoic Acid (PFDA)	ND		ng/l	2.00	0.304
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	2.00	1.21
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	1.02	J	ng/l	2.00	0.648
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	2.00	0.260
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	2.00	0.980
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.00	0.580
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	1.28	J	ng/l	2.00	0.804
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	2.00	0.372
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	2.00	0.327
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	2.00	0.248
PFOA/PFOS, Total	ND		ng/l	2.00	0.236

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L2002906
Report Date: 02/11/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/06/20 14:44
Analyst: JW

Extraction Method: ALPHA 23528
Extraction Date: 01/22/20 14:15

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-04 Batch: WG1332696-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	112		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	134		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	112		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	108		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	102		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	111		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	106		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	123		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	104		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	110		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	96		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	149		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	116		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	101		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	54		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	90		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	89		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	81		33-143

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L2002906
Report Date: 02/11/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 01/23/20 00:14
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 01/22/20 15:24

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1332773-1					
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50
Hexachlorocyclopentadiene	ND		ug/l	20	0.69
Isophorone	ND		ug/l	5.0	1.2
Nitrobenzene	ND		ug/l	2.0	0.77
NDPA/DPA	ND		ug/l	2.0	0.42
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5
Butyl benzyl phthalate	ND		ug/l	5.0	1.2
Di-n-butylphthalate	ND		ug/l	5.0	0.39
Di-n-octylphthalate	ND		ug/l	5.0	1.3
Diethyl phthalate	ND		ug/l	5.0	0.38
Dimethyl phthalate	ND		ug/l	5.0	1.8
Biphenyl	ND		ug/l	2.0	0.46
4-Chloroaniline	ND		ug/l	5.0	1.1
2-Nitroaniline	ND		ug/l	5.0	0.50
3-Nitroaniline	ND		ug/l	5.0	0.81
4-Nitroaniline	ND		ug/l	5.0	0.80
Dibenzofuran	ND		ug/l	2.0	0.50
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44
Acetophenone	ND		ug/l	5.0	0.53
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61
p-Chloro-m-cresol	ND		ug/l	2.0	0.35

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L2002906
Report Date: 02/11/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 01/23/20 00:14
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 01/22/20 15:24

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1332773-1					
2-Chlorophenol	ND		ug/l	2.0	0.48
2,4-Dichlorophenol	ND		ug/l	5.0	0.41
2,4-Dimethylphenol	ND		ug/l	5.0	1.8
2-Nitrophenol	ND		ug/l	10	0.85
4-Nitrophenol	ND		ug/l	10	0.67
2,4-Dinitrophenol	ND		ug/l	20	6.6
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8
Phenol	ND		ug/l	5.0	0.57
2-Methylphenol	ND		ug/l	5.0	0.49
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77
Carbazole	ND		ug/l	2.0	0.49
Atrazine	ND		ug/l	10	0.76
Benzaldehyde	ND		ug/l	5.0	0.53
Caprolactam	ND		ug/l	10	3.3
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.84

Tentatively Identified Compounds

Total TIC Compounds	70.3	J	ug/l
Aldol Condensates (A)	65.8	J	ug/l
Unknown	2.58	J	ug/l
Unknown	1.96	J	ug/l

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L2002906
Report Date: 02/11/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 01/23/20 00:14
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 01/22/20 15:24

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1332773-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	62		21-120
Phenol-d6	49		10-120
Nitrobenzene-d5	46		23-120
2-Fluorobiphenyl	54		15-120
2,4,6-Tribromophenol	55		10-120
4-Terphenyl-d14	60		41-149

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L2002906
Report Date: 02/11/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 01/23/20 11:21
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 01/22/20 15:24

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-04 Batch: WG1332774-1					
Acenaphthene	ND		ug/l	0.10	0.01
2-Chloronaphthalene	ND		ug/l	0.20	0.02
Fluoranthene	ND		ug/l	0.10	0.02
Hexachlorobutadiene	ND		ug/l	0.50	0.05
Naphthalene	ND		ug/l	0.10	0.05
Benzo(a)anthracene	ND		ug/l	0.10	0.02
Benzo(a)pyrene	ND		ug/l	0.10	0.02
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01
Chrysene	ND		ug/l	0.10	0.01
Acenaphthylene	ND		ug/l	0.10	0.01
Anthracene	ND		ug/l	0.10	0.01
Benzo(ghi)perylene	ND		ug/l	0.10	0.01
Fluorene	ND		ug/l	0.10	0.01
Phenanthrene	ND		ug/l	0.10	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01
Pyrene	ND		ug/l	0.10	0.02
2-Methylnaphthalene	ND		ug/l	0.10	0.02
Pentachlorophenol	ND		ug/l	0.80	0.01
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.06

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L2002906
Report Date: 02/11/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 01/23/20 11:21
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 01/22/20 15:24

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-04 Batch: WG1332774-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	54		21-120
Phenol-d6	46		10-120
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	71		15-120
2,4,6-Tribromophenol	55		10-120
4-Terphenyl-d14	87		41-149

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L2002906
Report Date: 02/11/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 01/24/20 11:16
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 01/23/20 08:40

Parameter	Result	Qualifier	Units	RL	MDL
1,4 Dioxane by 8270D-SIM - Mansfield Lab for sample(s): 01-04 Batch: WG1332995-1					
1,4-Dioxane	ND		ng/l	150	33.9

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	49		15-110

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: Not Specified

Lab Number: L2002906

Report Date: 02/11/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-04 Batch: WG1332696-2 WG1332696-3								
Perfluorobutanoic Acid (PFBA)	99		100		67-148	1		30
Perfluoropentanoic Acid (PFPeA)	103		104		63-161	1		30
Perfluorobutanesulfonic Acid (PFBS)	92		91		65-157	1		30
Perfluorohexanoic Acid (PFHxA)	100		100		69-168	0		30
Perfluoroheptanoic Acid (PFHpA)	100		99		58-159	1		30
Perfluorohexanesulfonic Acid (PFHxS)	92		98		69-177	6		30
Perfluorooctanoic Acid (PFOA)	103		102		63-159	1		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	107		114		49-187	6		30
Perfluoroheptanesulfonic Acid (PFHpS)	96		104		61-179	8		30
Perfluorononanoic Acid (PFNA)	101		102		68-171	1		30
Perfluorooctanesulfonic Acid (PFOS)	94		102		52-151	8		30
Perfluorodecanoic Acid (PFDA)	100		100		63-171	0		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	114		106		56-173	7		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	103		107		60-166	4		30
Perfluoroundecanoic Acid (PFUnA)	99		105		60-153	6		30
Perfluorodecanesulfonic Acid (PFDS)	100		93		38-156	7		30
Perfluorooctanesulfonamide (FOSA)	101		94		46-170	7		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	105		95		45-170	10		30
Perfluorododecanoic Acid (PFDoA)	103		100		67-153	3		30
Perfluorotridecanoic Acid (PFTrDA)	105		108		48-158	3		30
Perfluorotetradecanoic Acid (PFTA)	111		109		59-182	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: Not Specified

Lab Number: L2002906

Report Date: 02/11/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-04 Batch: WG1332696-2 WG1332696-3								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	108		110		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	124		126		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	104		101		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	103		102		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	106		103		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	114		106		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	107		105		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	118		116		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	109		106		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	105		98		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	99		101		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	118		127		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	97		98		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	106		107		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	54		57		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	86		91		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	100		102		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	88		90		33-143

Lab Control Sample Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L2002906
Report Date: 02/11/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1332773-2 WG1332773-3								
Bis(2-chloroethyl)ether	72		84		40-140	15		30
3,3'-Dichlorobenzidine	40		50		40-140	22		30
2,4-Dinitrotoluene	62		68		48-143	9		30
2,6-Dinitrotoluene	57		70		40-140	20		30
4-Chlorophenyl phenyl ether	66		73		40-140	10		30
4-Bromophenyl phenyl ether	65		73		40-140	12		30
Bis(2-chloroisopropyl)ether	70		79		40-140	12		30
Bis(2-chloroethoxy)methane	66		78		40-140	17		30
Hexachlorocyclopentadiene	52		62		40-140	18		30
Isophorone	63		72		40-140	13		30
Nitrobenzene	62		75		40-140	19		30
NDPA/DPA	65		72		40-140	10		30
n-Nitrosodi-n-propylamine	66		76		29-132	14		30
Bis(2-ethylhexyl)phthalate	56		65		40-140	15		30
Butyl benzyl phthalate	57		62		40-140	8		30
Di-n-butylphthalate	56		62		40-140	10		30
Di-n-octylphthalate	60		65		40-140	8		30
Diethyl phthalate	59		65		40-140	10		30
Dimethyl phthalate	58		66		40-140	13		30
Biphenyl	65		75		40-140	14		30
4-Chloroaniline	**29**	Q	40		40-140	**32**	Q	30
2-Nitroaniline	54		65		52-143	18		30
3-Nitroaniline	45		60		25-145	29		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L2002906
Report Date: 02/11/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1332773-2 WG1332773-3								
4-Nitroaniline	**46**	Q	53		51-143	14		30
Dibenzofuran	67		76		40-140	13		30
1,2,4,5-Tetrachlorobenzene	63		73		2-134	15		30
Acetophenone	65		76		39-129	16		30
2,4,6-Trichlorophenol	61		70		30-130	14		30
p-Chloro-m-cresol	63		74		23-97	16		30
2-Chlorophenol	72		82		27-123	13		30
2,4-Dichlorophenol	70		82		30-130	16		30
2,4-Dimethylphenol	43		54		30-130	23		30
2-Nitrophenol	67		78		30-130	15		30
4-Nitrophenol	59		64		10-80	8		30
2,4-Dinitrophenol	65		79		20-130	19		30
4,6-Dinitro-o-cresol	66		73		20-164	10		30
Phenol	52		63		12-110	19		30
2-Methylphenol	63		78		30-130	21		30
3-Methylphenol/4-Methylphenol	67		80		30-130	18		30
2,4,5-Trichlorophenol	62		74		30-130	18		30
Carbazole	67		74		55-144	10		30
Atrazine	64		72		40-140	12		30
Benzaldehyde	66		78		40-140	17		30
Caprolactam	32		37		10-130	14		30
2,3,4,6-Tetrachlorophenol	66		75		40-140	13		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: Not Specified

Lab Number: L2002906

Report Date: 02/11/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1332773-2 WG1332773-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	64		73		21-120
Phenol-d6	50		60		10-120
Nitrobenzene-d5	48		57		23-120
2-Fluorobiphenyl	49		56		15-120
2,4,6-Tribromophenol	66		72		10-120
4-Terphenyl-d14	55		63		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L2002906
Report Date: 02/11/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-04 Batch: WG1332774-2 WG1332774-3								
Acenaphthene	91		82		40-140	10		40
2-Chloronaphthalene	86		79		40-140	8		40
Fluoranthene	93		82		40-140	13		40
Hexachlorobutadiene	84		80		40-140	5		40
Naphthalene	85		80		40-140	6		40
Benzo(a)anthracene	90		83		40-140	8		40
Benzo(a)pyrene	102		91		40-140	11		40
Benzo(b)fluoranthene	100		91		40-140	9		40
Benzo(k)fluoranthene	105		90		40-140	15		40
Chrysene	91		78		40-140	15		40
Acenaphthylene	87		78		40-140	11		40
Anthracene	98		86		40-140	13		40
Benzo(ghi)perylene	105		93		40-140	12		40
Fluorene	93		82		40-140	13		40
Phenanthrene	91		80		40-140	13		40
Dibenzo(a,h)anthracene	107		95		40-140	12		40
Indeno(1,2,3-cd)pyrene	104		93		40-140	11		40
Pyrene	92		82		40-140	11		40
2-Methylnaphthalene	87		80		40-140	8		40
Pentachlorophenol	84		78		40-140	7		40
Hexachlorobenzene	87		77		40-140	12		40
Hexachloroethane	77		73		40-140	5		40

Lab Control Sample Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L2002906
Report Date: 02/11/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-04 Batch: WG1332774-2 WG1332774-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	71		65		21-120
Phenol-d6	60		54		10-120
Nitrobenzene-d5	84		78		23-120
2-Fluorobiphenyl	85		77		15-120
2,4,6-Tribromophenol	92		77		10-120
4-Terphenyl-d14	101		90		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: Not Specified

Lab Number: L2002906

Report Date: 02/11/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
1,4 Dioxane by 8270D-SIM - Mansfield Lab	Associated sample(s): 01-04		Batch: WG1332995-2 WG1332995-3					
1,4-Dioxane	103		107		40-140	4		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,4-Dioxane-d8	50		52		15-110

Matrix Spike Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: Not Specified

Lab Number: L2002906

Report Date: 02/11/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1332696-4 WG1332696-5 QC Sample: L2002906-01 Client ID: BW-01-01202020												
Perfluorobutanoic Acid (PFBA)	19.4	35	65.4	132		63.6	125		67-148	3		30
Perfluoropentanoic Acid (PFPeA)	3.63	35	43.9	115		42.3	109		63-161	4		30
Perfluorobutanesulfonic Acid (PFBS)	1.47J	31	31.4	101		30.9	98		65-157	2		30
Perfluorohexanoic Acid (PFHxA)	3.65	35	42.5	111		40.5	104		69-168	5		30
Perfluoroheptanoic Acid (PFHpA)	3.58	35	43.2	113		42.3	109		58-159	2		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	31.9	39.3	123		37.2	115		69-177	5		30
Perfluorooctanoic Acid (PFOA)	9.47	35	49.3	114		49.2	112		63-159	0		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	33.2	45.1	136		40.5	120		49-187	11		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	33.2	37.0	111		36.6	109		61-179	1		30
Perfluorononanoic Acid (PFNA)	0.334J	35	39.9	114		37.6	106		68-171	6		30
Perfluorooctanesulfonic Acid (PFOS)	1.41J	32.4	37.4	116		43.7	133		52-151	16		30
Perfluorodecanoic Acid (PFDA)	ND	35	38.4	110		38.3	108		63-171	0		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	33.6	38.9	116		43.3	127		56-173	11		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	35	41.8	120		38.6	109		60-166	8		30
Perfluoroundecanoic Acid (PFUnA)	ND	35	36.6	105		36.5	103		60-153	0		30
Perfluorodecanesulfonic Acid (PFDS)	ND	33.8	37.3	110		28.4	83		38-156	27		30
Perfluorooctanesulfonamide (FOSA)	ND	35	35.0	100		35.6	100		46-170	2		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	35	39.8	114		36.6	103		45-170	8		30
Perfluorododecanoic Acid (PFDoA)	ND	35	40.8	117		36.5	103		67-153	11		30
Perfluorotridecanoic Acid (PFTrDA)	ND	35	41.9	120		38.4	108		48-158	9		30
Perfluorotetradecanoic Acid (PFTA)	ND	35	41.2	118		38.2	108		59-182	8		30

Matrix Spike Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: Not Specified

Lab Number: L2002906

Report Date: 02/11/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1332696-4 WG1332696-5 QC Sample: L2002906-01 Client ID: BW-01-01202020												

Surrogate (Extracted Internal Standard)	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	**276**	Q	**215**	Q	7-170
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	241		239		1-244
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	105		94		23-146
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	96		89		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	111		100		40-144
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	97		93		38-144
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	75		72		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	88		83		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	110		98		47-153
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	95		87		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	85		78		33-143
Perfluoro[13C4]Butanoic Acid (MPFBA)	98		94		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	97		94		16-173
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	38		35		1-87
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	112		97		42-146
Perfluoro[13C8]Octanoic Acid (M8PFOA)	102		96		36-149
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	113		107		34-146
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	104		89		31-159

Matrix Spike Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L2002906
Report Date: 02/11/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG1332773-4 WG1332773-5 QC Sample: L2002906-01 Client ID: BW-01-01202020												
Bis(2-chloroethyl)ether	ND	18.2	15	83		14	77		40-140	7		30
3,3'-Dichlorobenzidine	ND	18.2	7.2	40		6.4	**35**	Q	40-140	12		30
2,4-Dinitrotoluene	ND	18.2	18	99		17	94		48-143	6		30
2,6-Dinitrotoluene	ND	18.2	18	99		16	88		40-140	12		30
4-Chlorophenyl phenyl ether	ND	18.2	16	88		15	83		40-140	6		30
4-Bromophenyl phenyl ether	ND	18.2	17	94		16	88		40-140	6		30
Bis(2-chloroisopropyl)ether	ND	18.2	15	83		14	77		40-140	7		30
Bis(2-chloroethoxy)methane	ND	18.2	16	88		15	83		40-140	6		30
Hexachlorocyclopentadiene	ND	18.2	16.J	88		15.J	83		40-140	6		30
Isophorone	ND	18.2	16	88		16	88		40-140	0		30
Nitrobenzene	ND	18.2	16	88		15	83		40-140	6		30
NDPA/DPA	ND	18.2	17	94		16	88		40-140	6		30
n-Nitrosodi-n-propylamine	ND	18.2	18	99		17	94		29-132	6		30
Bis(2-ethylhexyl)phthalate	1.8J	18.2	18	99		18	99		40-140	0		30
Butyl benzyl phthalate	ND	18.2	19	100		18	99		40-140	5		30
Di-n-butylphthalate	ND	18.2	18	99		17	94		40-140	6		30
Di-n-octylphthalate	ND	18.2	20	110		18	99		40-140	11		30
Diethyl phthalate	ND	18.2	18	99		17	94		40-140	6		30
Dimethyl phthalate	ND	18.2	17	94		16	88		40-140	6		30
Biphenyl	ND	18.2	16	88		16	88		40-140	0		30
4-Chloroaniline	ND	18.2	13	72		15	83		40-140	14		30
2-Nitroaniline	ND	18.2	18	99		18	99		52-143	0		30
3-Nitroaniline	ND	18.2	12	66		11	61		25-145	9		30

Matrix Spike Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L2002906
Report Date: 02/11/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG1332773-4 WG1332773-5 QC Sample: L2002906-01 Client ID: BW-01-01202020												
4-Nitroaniline	ND	18.2	15	83		14	77		51-143	7		30
Dibenzofuran	ND	18.2	16	88		15	83		40-140	6		30
1,2,4,5-Tetrachlorobenzene	ND	18.2	15	83		15	83		2-134	0		30
Acetophenone	ND	18.2	16	88		15	83		39-129	6		30
2,4,6-Trichlorophenol	ND	18.2	17	94		16	88		30-130	6		30
p-Chloro-m-cresol	ND	18.2	19	**100**	Q	18	**99**	Q	23-97	5		30
2-Chlorophenol	ND	18.2	15	83		15	83		27-123	0		30
2,4-Dichlorophenol	ND	18.2	17	94		16	88		30-130	6		30
2,4-Dimethylphenol	ND	18.2	16	88		15	83		30-130	6		30
2-Nitrophenol	ND	18.2	16	88		16	88		30-130	0		30
4-Nitrophenol	ND	18.2	16	**88**	Q	16	**88**	Q	10-80	0		30
2,4-Dinitrophenol	ND	18.2	23	130		23	130		20-130	0		30
4,6-Dinitro-o-cresol	ND	18.2	21	120		20	110		20-164	5		30
Phenol	ND	18.2	12	66		11	61		12-110	9		30
2-Methylphenol	ND	18.2	15	83		15	83		30-130	0		30
3-Methylphenol/4-Methylphenol	1.6J	18.2	18	99		17	94		30-130	6		30
2,4,5-Trichlorophenol	ND	18.2	16	88		16	88		30-130	0		30
Carbazole	ND	18.2	17	94		16	88		55-144	6		30
Atrazine	ND	18.2	20	110		19	100		40-140	5		30
Benzaldehyde	ND	18.2	16	88		15	83		40-140	6		30
Caprolactam	ND	18.2	9.7J	53		10	55		10-130	3		30
2,3,4,6-Tetrachlorophenol	ND	18.2	18	99		17	94		40-140	6		30

Matrix Spike Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: Not Specified

Lab Number: L2002906

Report Date: 02/11/20

Parameter	*Native Sample*	*MS Added*	*MS Found*	*MS %Recovery*	*Qual*	*MSD Found*	*MSD %Recovery*	*Qual*	*Recovery Limits*	*RPD*	*Qual*	*RPD Limits*

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG1332773-4 WG1332773-5 QC Sample: L2002906-01 Client ID: BW-01-01202020

Surrogate	*MS % Recovery*	*MS Qualifier*	*MSD % Recovery*	*MSD Qualifier*	*Acceptance Criteria*
2,4,6-Tribromophenol	110		108		10-120
2-Fluorobiphenyl	68		65		15-120
2-Fluorophenol	68		69		21-120
4-Terphenyl-d14	77		73		41-149
Nitrobenzene-d5	72		69		23-120
Phenol-d6	59		58		10-120

Matrix Spike Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L2002906
Report Date: 02/11/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG1332774-4 WG1332774-5 QC Sample: L2002906-01 Client ID: BW-01-01202020												
Acenaphthene	0.10J	18.2	17	94		16	88		40-140	6		40
2-Chloronaphthalene	ND	18.2	16	88		16	88		40-140	0		40
Fluoranthene	ND	18.2	18	99		17	94		40-140	6		40
Hexachlorobutadiene	ND	18.2	16	88		16	88		40-140	0		40
Naphthalene	0.25	18.2	16	87		16	87		40-140	0		40
Benzo(a)anthracene	ND	18.2	17	94		16	88		40-140	6		40
Benzo(a)pyrene	ND	18.2	20	110		19	100		40-140	5		40
Benzo(b)fluoranthene	ND	18.2	20	110		19	100		40-140	5		40
Benzo(k)fluoranthene	ND	18.2	19	100		19	100		40-140	0		40
Chrysene	ND	18.2	17	94		16	88		40-140	6		40
Acenaphthylene	0.02J	18.2	16	88		15	83		40-140	6		40
Anthracene	0.02J	18.2	18	99		18	99		40-140	0		40
Benzo(ghi)perylene	ND	18.2	20	110		20	110		40-140	0		40
Fluorene	0.13	18.2	18	98		17	93		40-140	6		40
Phenanthrene	0.08J	18.2	17	94		16	88		40-140	6		40
Dibenzo(a,h)anthracene	ND	18.2	21	120		21	120		40-140	0		40
Indeno(1,2,3-cd)pyrene	ND	18.2	21	120		21	120		40-140	0		40
Pyrene	ND	18.2	18	99		17	94		40-140	6		40
2-Methylnaphthalene	0.20	18.2	16	87		16	87		40-140	0		40
Pentachlorophenol	ND	18.2	22	120		22	120		40-140	0		40
Hexachlorobenzene	ND	18.2	16	88		16	88		40-140	0		40
Hexachloroethane	ND	18.2	14	77		14	77		40-140	0		40

Matrix Spike Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: Not Specified

Lab Number: L2002906

Report Date: 02/11/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG1332774-4 WG1332774-5 QC Sample: L2002906-01 Client ID: BW-01-01202020												

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
2,4,6-Tribromophenol	106		104		10-120
2-Fluorobiphenyl	83		82		15-120
2-Fluorophenol	73		74		21-120
4-Terphenyl-d14	101		98		41-149
Nitrobenzene-d5	84		84		23-120
Phenol-d6	63		63		10-120

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
1,4 Dioxane by 8270D-SIM - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1332995-4 WG1332995-5 QC Sample: L2002906-01 Client ID: BW-01-01202020												
1,4-Dioxane	529	4630	5460	107		5710	112		40-140	4		30

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,4-Dioxane-d8	48		42		15-110

PCBS

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L2002906
Report Date: 02/11/20

SAMPLE RESULTS

Lab ID: L2002906-01
Client ID: BW-01-01202020
Sample Location: Not Specified

Date Collected: 01/20/20 11:40
Date Received: 01/21/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 01/24/20 23:04
Analyst: CW

Extraction Method: EPA 3510C
Extraction Date: 01/23/20 02:28
Cleanup Method: EPA 3665A
Cleanup Date: 01/23/20
Cleanup Method: EPA 3660B
Cleanup Date: 01/23/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.034	1	A
Aroclor 1221	ND		ug/l	0.083	0.067	1	A
Aroclor 1232	ND		ug/l	0.083	0.046	1	A
Aroclor 1242	ND		ug/l	0.083	0.039	1	A
Aroclor 1248	ND		ug/l	0.083	0.049	1	A
Aroclor 1254	ND		ug/l	0.083	0.039	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.035	1	A
Aroclor 1268	ND		ug/l	0.083	0.034	1	A
PCBs, Total	ND		ug/l	0.083	0.032	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	106		30-150	A
Decachlorobiphenyl	78		30-150	A
2,4,5,6-Tetrachloro-m-xylene	108		30-150	B
Decachlorobiphenyl	112		30-150	B

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L2002906
Report Date: 02/11/20

SAMPLE RESULTS

Lab ID: L2002906-02
Client ID: BW-02-01212020
Sample Location: Not Specified

Date Collected: 01/21/20 12:40
Date Received: 01/21/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 01/24/20 23:45
Analyst: CW

Extraction Method: EPA 3510C
Extraction Date: 01/23/20 02:28
Cleanup Method: EPA 3665A
Cleanup Date: 01/23/20
Cleanup Method: EPA 3660B
Cleanup Date: 01/23/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.034	1	A
Aroclor 1221	ND		ug/l	0.083	0.067	1	A
Aroclor 1232	ND		ug/l	0.083	0.046	1	A
Aroclor 1242	ND		ug/l	0.083	0.039	1	A
Aroclor 1248	ND		ug/l	0.083	0.049	1	A
Aroclor 1254	ND		ug/l	0.083	0.039	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.035	1	A
Aroclor 1268	ND		ug/l	0.083	0.034	1	A
PCBs, Total	ND		ug/l	0.083	0.032	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		30-150	A
Decachlorobiphenyl	74		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		30-150	B
Decachlorobiphenyl	84		30-150	B

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L2002906
Report Date: 02/11/20

SAMPLE RESULTS

Lab ID: L2002906-03
Client ID: BW-03-01212020
Sample Location: Not Specified

Date Collected: 01/21/20 09:30
Date Received: 01/21/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 01/24/20 23:58
Analyst: CW

Extraction Method: EPA 3510C
Extraction Date: 01/23/20 02:28
Cleanup Method: EPA 3665A
Cleanup Date: 01/23/20
Cleanup Method: EPA 3660B
Cleanup Date: 01/23/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.034	1	A
Aroclor 1221	ND		ug/l	0.083	0.067	1	A
Aroclor 1232	ND		ug/l	0.083	0.046	1	A
Aroclor 1242	ND		ug/l	0.083	0.039	1	A
Aroclor 1248	ND		ug/l	0.083	0.049	1	A
Aroclor 1254	ND		ug/l	0.083	0.039	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.035	1	A
Aroclor 1268	ND		ug/l	0.083	0.034	1	A
PCBs, Total	ND		ug/l	0.083	0.032	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	88		30-150	A
Decachlorobiphenyl	81		30-150	A
2,4,5,6-Tetrachloro-m-xylene	91		30-150	B
Decachlorobiphenyl	91		30-150	B

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L2002906
Report Date: 02/11/20

SAMPLE RESULTS

Lab ID: L2002906-04
Client ID: DUP-01
Sample Location: Not Specified

Date Collected: 01/21/20 00:00
Date Received: 01/21/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 01/25/20 00:12
Analyst: CW

Extraction Method: EPA 3510C
Extraction Date: 01/23/20 02:28
Cleanup Method: EPA 3665A
Cleanup Date: 01/23/20
Cleanup Method: EPA 3660B
Cleanup Date: 01/23/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.034	1	A
Aroclor 1221	ND		ug/l	0.083	0.067	1	A
Aroclor 1232	ND		ug/l	0.083	0.046	1	A
Aroclor 1242	ND		ug/l	0.083	0.039	1	A
Aroclor 1248	ND		ug/l	0.083	0.049	1	A
Aroclor 1254	ND		ug/l	0.083	0.039	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.035	1	A
Aroclor 1268	ND		ug/l	0.083	0.034	1	A
PCBs, Total	ND		ug/l	0.083	0.032	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	96		30-150	A
Decachlorobiphenyl	88		30-150	A
2,4,5,6-Tetrachloro-m-xylene	97		30-150	B
Decachlorobiphenyl	108		30-150	B

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L2002906
Report Date: 02/11/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 01/25/20 00:39
Analyst: AWS

Extraction Method: EPA 3510C
Extraction Date: 01/23/20 02:28
Cleanup Method: EPA 3665A
Cleanup Date: 01/23/20
Cleanup Method: EPA 3660B
Cleanup Date: 01/23/20

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-04 Batch: WG1332908-1						
Aroclor 1016	ND		ug/l	0.083	0.034	A
Aroclor 1221	ND		ug/l	0.083	0.067	A
Aroclor 1232	ND		ug/l	0.083	0.046	A
Aroclor 1242	ND		ug/l	0.083	0.039	A
Aroclor 1248	ND		ug/l	0.083	0.049	A
Aroclor 1254	ND		ug/l	0.083	0.039	A
Aroclor 1260	ND		ug/l	0.083	0.032	A
Aroclor 1262	ND		ug/l	0.083	0.035	A
Aroclor 1268	ND		ug/l	0.083	0.034	A
PCBs, Total	ND		ug/l	0.083	0.032	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	98		30-150	A
Decachlorobiphenyl	96		30-150	A
2,4,5,6-Tetrachloro-m-xylene	99		30-150	B
Decachlorobiphenyl	107		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: Not Specified

Lab Number: L2002906

Report Date: 02/11/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-04 Batch: WG1332908-2 WG1332908-3									
Aroclor 1016	105		105		40-140	0		50	A
Aroclor 1260	95		96		40-140	2		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	102		102		30-150	A
Decachlorobiphenyl	93		92		30-150	A
2,4,5,6-Tetrachloro-m-xylene	99		99		30-150	B
Decachlorobiphenyl	105		105		30-150	B

Matrix Spike Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: Not Specified

Lab Number: L2002906

Report Date: 02/11/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG1332908-4 WG1332908-5 QC Sample: L2002906-01 Client ID: BW-01-01202020													
Aroclor 1016	ND	1.78	1.75	98		1.94	109		40-140	10		50	A
Aroclor 1260	ND	1.78	1.59	89		1.75	98		40-140	10		50	A

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	93		103		30-150	A
Decachlorobiphenyl	88		102		30-150	A
2,4,5,6-Tetrachloro-m-xylene	91		100		30-150	B
Decachlorobiphenyl	98		111		30-150	B

PESTICIDES

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L2002906
Report Date: 02/11/20

SAMPLE RESULTS

Lab ID: L2002906-01
Client ID: BW-01-01202020
Sample Location: Not Specified

Date Collected: 01/20/20 11:40
Date Received: 01/21/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 01/27/20 13:30
Analyst: BM

Extraction Method: EPA 3510C
Extraction Date: 01/23/20 02:37

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.014	0.003	1	A
Lindane	ND		ug/l	0.014	0.003	1	A
Alpha-BHC	ND		ug/l	0.014	0.003	1	A
Beta-BHC	ND		ug/l	0.014	0.004	1	A
Heptachlor	ND		ug/l	0.014	0.002	1	A
Aldrin	ND		ug/l	0.014	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	1	A
Endrin	ND		ug/l	0.029	0.003	1	A
Endrin aldehyde	ND		ug/l	0.029	0.006	1	A
Endrin ketone	ND		ug/l	0.029	0.003	1	A
Dieldrin	ND		ug/l	0.029	0.003	1	A
4,4'-DDE	ND		ug/l	0.029	0.003	1	A
4,4'-DDD	ND		ug/l	0.029	0.003	1	A
4,4'-DDT	ND		ug/l	0.029	0.003	1	A
Endosulfan I	ND		ug/l	0.014	0.002	1	A
Endosulfan II	ND		ug/l	0.029	0.004	1	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	1	A
Methoxychlor	ND		ug/l	0.143	0.005	1	A
Toxaphene	ND		ug/l	0.143	0.045	1	A
cis-Chlordane	ND		ug/l	0.014	0.005	1	A
trans-Chlordane	ND		ug/l	0.014	0.004	1	A
Chlordane	ND		ug/l	0.143	0.033	1	A

Project Name: Not Specified **Lab Number:** L2002906

Project Number: Not Specified **Report Date:** 02/11/20

SAMPLE RESULTS

Lab ID: L2002906-01 Date Collected: 01/20/20 11:40

Client ID: BW-01-01202020 Date Received: 01/21/20

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		30-150	A
Decachlorobiphenyl	75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		30-150	B
Decachlorobiphenyl	74		30-150	B

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L2002906
Report Date: 02/11/20

SAMPLE RESULTS

Lab ID: L2002906-02
Client ID: BW-02-01212020
Sample Location: Not Specified

Date Collected: 01/21/20 12:40
Date Received: 01/21/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 01/24/20 04:56
Analyst: BM

Extraction Method: EPA 3510C
Extraction Date: 01/23/20 02:37

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.014	0.003	1	A
Lindane	ND		ug/l	0.014	0.003	1	A
Alpha-BHC	ND		ug/l	0.014	0.003	1	A
Beta-BHC	ND		ug/l	0.014	0.004	1	A
Heptachlor	ND		ug/l	0.014	0.002	1	A
Aldrin	ND		ug/l	0.014	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	1	A
Endrin	ND		ug/l	0.029	0.003	1	A
Endrin aldehyde	ND		ug/l	0.029	0.006	1	A
Endrin ketone	ND		ug/l	0.029	0.003	1	A
Dieldrin	ND		ug/l	0.029	0.003	1	A
4,4'-DDE	ND		ug/l	0.029	0.003	1	A
4,4'-DDD	ND		ug/l	0.029	0.003	1	A
4,4'-DDT	ND		ug/l	0.029	0.003	1	A
Endosulfan I	ND		ug/l	0.014	0.002	1	A
Endosulfan II	ND		ug/l	0.029	0.004	1	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	1	A
Methoxychlor	ND		ug/l	0.143	0.005	1	A
Toxaphene	ND		ug/l	0.143	0.045	1	A
cis-Chlordane	ND		ug/l	0.014	0.005	1	A
trans-Chlordane	ND		ug/l	0.014	0.004	1	A
Chlordane	ND		ug/l	0.143	0.033	1	A

Project Name: Not Specified
Project Number: Not Specified
Lab Number: L2002906
Report Date: 02/11/20

SAMPLE RESULTS

Lab ID: L2002906-02
Client ID: BW-02-01212020
Sample Location: Not Specified
Date Collected: 01/21/20 12:40
Date Received: 01/21/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	52		30-150	A
Decachlorobiphenyl	49		30-150	A
2,4,5,6-Tetrachloro-m-xylene	50		30-150	B
Decachlorobiphenyl	39		30-150	B

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L2002906
Report Date: 02/11/20

SAMPLE RESULTS

Lab ID: L2002906-03
Client ID: BW-03-01212020
Sample Location: Not Specified

Date Collected: 01/21/20 09:30
Date Received: 01/21/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 01/24/20 05:09
Analyst: BM

Extraction Method: EPA 3510C
Extraction Date: 01/23/20 02:37

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.014	0.003	1	A
Lindane	ND		ug/l	0.014	0.003	1	A
Alpha-BHC	ND		ug/l	0.014	0.003	1	A
Beta-BHC	ND		ug/l	0.014	0.004	1	A
Heptachlor	ND		ug/l	0.014	0.002	1	A
Aldrin	ND		ug/l	0.014	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	1	A
Endrin	ND		ug/l	0.029	0.003	1	A
Endrin aldehyde	ND		ug/l	0.029	0.006	1	A
Endrin ketone	ND		ug/l	0.029	0.003	1	A
Dieldrin	ND		ug/l	0.029	0.003	1	A
4,4'-DDE	ND		ug/l	0.029	0.003	1	A
4,4'-DDD	ND		ug/l	0.029	0.003	1	A
4,4'-DDT	ND		ug/l	0.029	0.003	1	A
Endosulfan I	ND		ug/l	0.014	0.002	1	A
Endosulfan II	ND		ug/l	0.029	0.004	1	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	1	A
Methoxychlor	ND		ug/l	0.143	0.005	1	A
Toxaphene	ND		ug/l	0.143	0.045	1	A
cis-Chlordane	ND		ug/l	0.014	0.005	1	A
trans-Chlordane	ND		ug/l	0.014	0.004	1	A
Chlordane	ND		ug/l	0.143	0.033	1	A

Project Name: Not Specified
Project Number: Not Specified
Lab Number: L2002906
Report Date: 02/11/20

SAMPLE RESULTS

Lab ID: L2002906-03
Client ID: BW-03-01212020
Sample Location: Not Specified
Date Collected: 01/21/20 09:30
Date Received: 01/21/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58		30-150	A
Decachlorobiphenyl	52		30-150	A
2,4,5,6-Tetrachloro-m-xylene	53		30-150	B
Decachlorobiphenyl	43		30-150	B

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L2002906
Report Date: 02/11/20

SAMPLE RESULTS

Lab ID: L2002906-04
Client ID: DUP-01
Sample Location: Not Specified

Date Collected: 01/21/20 00:00
Date Received: 01/21/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 01/24/20 18:21
Analyst: BM

Extraction Method: EPA 3510C
Extraction Date: 01/23/20 02:37

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.014	0.003	1	A
Lindane	ND		ug/l	0.014	0.003	1	A
Alpha-BHC	ND		ug/l	0.014	0.003	1	A
Beta-BHC	ND		ug/l	0.014	0.004	1	A
Heptachlor	ND		ug/l	0.014	0.002	1	A
Aldrin	ND		ug/l	0.014	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	1	A
Endrin	ND		ug/l	0.029	0.003	1	A
Endrin aldehyde	ND		ug/l	0.029	0.006	1	A
Endrin ketone	ND		ug/l	0.029	0.003	1	A
Dieldrin	ND		ug/l	0.029	0.003	1	A
4,4'-DDE	ND		ug/l	0.029	0.003	1	A
4,4'-DDD	ND		ug/l	0.029	0.003	1	A
4,4'-DDT	ND		ug/l	0.029	0.003	1	A
Endosulfan I	ND		ug/l	0.014	0.002	1	A
Endosulfan II	ND		ug/l	0.029	0.004	1	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	1	A
Methoxychlor	ND		ug/l	0.143	0.005	1	A
Toxaphene	ND		ug/l	0.143	0.045	1	A
cis-Chlordane	ND		ug/l	0.014	0.005	1	A
trans-Chlordane	ND		ug/l	0.014	0.004	1	A
Chlordane	ND		ug/l	0.143	0.033	1	A

Project Name: Not Specified
Project Number: Not Specified
Lab Number: L2002906
Report Date: 02/11/20

SAMPLE RESULTS

Lab ID: L2002906-04
Client ID: DUP-01
Sample Location: Not Specified
Date Collected: 01/21/20 00:00
Date Received: 01/21/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	49		30-150	A
Decachlorobiphenyl	45		30-150	A
2,4,5,6-Tetrachloro-m-xylene	49		30-150	B
Decachlorobiphenyl	42		30-150	B

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L2002906
Report Date: 02/11/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 01/24/20 04:43
Analyst: BM

Extraction Method: EPA 3510C
Extraction Date: 01/23/20 02:37

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-04 Batch: WG1332913-1						
Delta-BHC	ND		ug/l	0.014	0.003	A
Lindane	ND		ug/l	0.014	0.003	A
Alpha-BHC	ND		ug/l	0.014	0.003	A
Beta-BHC	ND		ug/l	0.014	0.004	A
Heptachlor	ND		ug/l	0.014	0.002	A
Aldrin	ND		ug/l	0.014	0.002	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	A
Endrin	ND		ug/l	0.029	0.003	A
Endrin aldehyde	ND		ug/l	0.029	0.006	A
Endrin ketone	ND		ug/l	0.029	0.003	A
Dieldrin	ND		ug/l	0.029	0.003	A
4,4'-DDE	ND		ug/l	0.029	0.003	A
4,4'-DDD	ND		ug/l	0.029	0.003	A
4,4'-DDT	ND		ug/l	0.029	0.003	A
Endosulfan I	ND		ug/l	0.014	0.002	A
Endosulfan II	ND		ug/l	0.029	0.004	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	A
Methoxychlor	ND		ug/l	0.143	0.005	A
Toxaphene	ND		ug/l	0.143	0.045	A
cis-Chlordane	ND		ug/l	0.014	0.005	A
trans-Chlordane	ND		ug/l	0.014	0.004	A
Chlordane	ND		ug/l	0.143	0.033	A

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L2002906
Report Date: 02/11/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 01/24/20 04:43
Analyst: BM

Extraction Method: EPA 3510C
Extraction Date: 01/23/20 02:37

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-04 Batch: WG1332913-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	52		30-150	A
Decachlorobiphenyl	47		30-150	A
2,4,5,6-Tetrachloro-m-xylene	46		30-150	B
Decachlorobiphenyl	37		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: Not Specified

Lab Number: L2002906

Report Date: 02/11/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-04 Batch: WG1332913-2 WG1332913-3									
Delta-BHC	59		52		30-150	13		20	A
Lindane	55		49		30-150	12		20	A
Alpha-BHC	59		55		30-150	7		20	A
Beta-BHC	54		50		30-150	8		20	A
Heptachlor	54		50		30-150	8		20	A
Aldrin	55		50		30-150	10		20	A
Heptachlor epoxide	58		52		30-150	10		20	A
Endrin	56		52		30-150	7		20	A
Endrin aldehyde	44		43		30-150	3		20	A
Endrin ketone	58		52		30-150	11		20	A
Dieldrin	59		53		30-150	11		20	A
4,4'-DDE	62		55		30-150	12		20	A
4,4'-DDD	64		56		30-150	13		20	A
4,4'-DDT	61		54		30-150	12		20	A
Endosulfan I	54		49		30-150	10		20	A
Endosulfan II	57		52		30-150	10		20	A
Endosulfan sulfate	56		50		30-150	12		20	A
Methoxychlor	56		51		30-150	8		20	A
cis-Chlordane	54		48		30-150	11		20	A
trans-Chlordane	56		50		30-150	10		20	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: Not Specified

Lab Number: L2002906

Report Date: 02/11/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-04 Batch: WG1332913-2 WG1332913-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	54		50		30-150	A
Decachlorobiphenyl	54		48		30-150	A
2,4,5,6-Tetrachloro-m-xylene	49		45		30-150	B
Decachlorobiphenyl	44		38		30-150	B

Matrix Spike Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: Not Specified

Lab Number: L2002906

Report Date: 02/11/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG1332913-4 WG1332913-5 QC Sample: L2002906-01 Client ID: BW-01-01202020													
Delta-BHC	ND	0.357	0.198	55		0.230	64		30-150	15		30	A
Lindane	ND	0.357	0.197	55		0.237	66		30-150	18		30	A
Alpha-BHC	ND	0.357	0.212	59		0.257	72		30-150	19		30	A
Beta-BHC	ND	0.357	0.197	55		0.235	66		30-150	18		30	A
Heptachlor	ND	0.357	0.186	52		0.234	66		30-150	23		30	A
Aldrin	ND	0.357	0.211	59		0.260	73		30-150	21		30	A
Heptachlor epoxide	ND	0.357	0.208	58		0.255	71		30-150	20		30	A
Endrin	ND	0.357	0.216	60		0.271	76		30-150	23		30	A
Endrin aldehyde	ND	0.357	0.173	48		0.216	60		30-150	22		30	A
Endrin ketone	ND	0.357	0.218	61		0.270	76		30-150	21		30	A
Dieldrin	ND	0.357	0.224	63		0.278	78		30-150	22		30	A
4,4'-DDE	ND	0.357	0.225	63		0.278	78		30-150	21		30	A
4,4'-DDD	ND	0.357	0.209	58		0.247	69		30-150	17		30	A
4,4'-DDT	ND	0.357	0.198	55		0.245	69		30-150	21		30	A
Endosulfan I	ND	0.357	0.090	**25**	Q	0.073	**20**	Q	30-150	21		30	A
Endosulfan II	ND	0.357	0.051	**14**	Q	0.036	**10**	Q	30-150	**34**	Q	30	A
Endosulfan sulfate	ND	0.357	0.205	57		0.253	71		30-150	21		30	A
Methoxychlor	ND	0.357	0.216	60		0.278	78		30-150	25		30	A
cis-Chlordane	ND	0.357	0.197	55		0.240	67		30-150	20		30	A
trans-Chlordane	ND	0.357	0.202	57		0.249	70		30-150	21		30	A

Matrix Spike Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: Not Specified

Lab Number: L2002906

Report Date: 02/11/20

Parameter	*Native Sample*	*MS Added*	*MS Found*	*MS %Recovery*	*Qual*	*MSD Found*	*MSD %Recovery*	*Qual*	*Recovery Limits*	*RPD*	*Qual*	*RPD Limits*
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG1332913-4 WG1332913-5 QC Sample: L2002906-01 Client ID: BW-01-01202020												

Surrogate	*MS % Recovery*	*MS Qualifier*	*MSD % Recovery*	*MSD Qualifier*	*Acceptance Criteria*	*Column*
2,4,5,6-Tetrachloro-m-xylene	60		72		30-150	A
Decachlorobiphenyl	60		74		30-150	A
2,4,5,6-Tetrachloro-m-xylene	59		73		30-150	B
Decachlorobiphenyl	56		73		30-150	B

METALS

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L2002906
Report Date: 02/11/20

SAMPLE RESULTS

Lab ID: L2002906-01
Client ID: BW-01-01202020
Sample Location: Not Specified

Date Collected: 01/20/20 11:40
Date Received: 01/21/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.0105		mg/l	0.0100	0.00327	1	01/22/20 14:47	01/22/20 22:34	EPA 3005A	1,6020B	AM
Antimony, Total	ND		mg/l	0.00400	0.00042	1	01/22/20 14:47	01/22/20 22:34	EPA 3005A	1,6020B	AM
Arsenic, Total	0.00058		mg/l	0.00050	0.00016	1	01/22/20 14:47	01/22/20 22:34	EPA 3005A	1,6020B	AM
Barium, Total	0.2525		mg/l	0.00050	0.00017	1	01/22/20 14:47	01/22/20 22:34	EPA 3005A	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	01/22/20 14:47	01/22/20 22:34	EPA 3005A	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	01/22/20 14:47	01/22/20 22:34	EPA 3005A	1,6020B	AM
Calcium, Total	465.		mg/l	0.100	0.0394	1	01/22/20 14:47	01/22/20 22:34	EPA 3005A	1,6020B	AM
Chromium, Total	0.00061	J	mg/l	0.00100	0.00017	1	01/22/20 14:47	01/22/20 22:34	EPA 3005A	1,6020B	AM
Cobalt, Total	0.00017	J	mg/l	0.00050	0.00016	1	01/22/20 14:47	01/22/20 22:34	EPA 3005A	1,6020B	AM
Copper, Total	0.00704		mg/l	0.00100	0.00038	1	01/22/20 14:47	01/22/20 22:34	EPA 3005A	1,6020B	AM
Iron, Total	0.738		mg/l	0.110	0.0191	1	01/22/20 14:47	01/22/20 22:34	EPA 3005A	1,6020B	AM
Lead, Total	0.00044	J	mg/l	0.00100	0.00034	1	01/22/20 14:47	01/22/20 22:34	EPA 3005A	1,6020B	AM
Magnesium, Total	0.620		mg/l	0.0700	0.0242	1	01/22/20 14:47	01/22/20 22:34	EPA 3005A	1,6020B	AM
Manganese, Total	0.00737		mg/l	0.00100	0.00044	1	01/22/20 14:47	01/22/20 22:34	EPA 3005A	1,6020B	AM
Mercury, Total	ND		mg/l	0.00020	0.00009	1	01/22/20 12:54	01/22/20 16:53	EPA 7470A	1,7470A	AL
Nickel, Total	0.00235		mg/l	0.00200	0.00055	1	01/22/20 14:47	01/22/20 22:34	EPA 3005A	1,6020B	AM
Potassium, Total	57.0		mg/l	0.100	0.0309	1	01/22/20 14:47	01/22/20 22:34	EPA 3005A	1,6020B	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	01/22/20 14:47	01/22/20 22:34	EPA 3005A	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	01/22/20 14:47	01/22/20 22:34	EPA 3005A	1,6020B	AM
Sodium, Total	202.		mg/l	0.100	0.0293	1	01/22/20 14:47	01/22/20 22:34	EPA 3005A	1,6020B	AM
Thallium, Total	ND		mg/l	0.00100	0.00014	1	01/22/20 14:47	01/22/20 22:34	EPA 3005A	1,6020B	AM
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	01/22/20 14:47	01/22/20 22:34	EPA 3005A	1,6020B	AM
Zinc, Total	ND		mg/l	0.01000	0.00341	1	01/22/20 14:47	01/22/20 22:34	EPA 3005A	1,6020B	AM

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L2002906
Report Date: 02/11/20

SAMPLE RESULTS

Lab ID: L2002906-02
Client ID: BW-02-01212020
Sample Location: Not Specified

Date Collected: 01/21/20 12:40
Date Received: 01/21/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.0995		mg/l	0.0100	0.00327	1	01/22/20 14:47	01/22/20 22:43	EPA 3005A	1,6020B	AM
Antimony, Total	ND		mg/l	0.00400	0.00042	1	01/22/20 14:47	01/22/20 22:43	EPA 3005A	1,6020B	AM
Arsenic, Total	0.00020	J	mg/l	0.00050	0.00016	1	01/22/20 14:47	01/22/20 22:43	EPA 3005A	1,6020B	AM
Barium, Total	0.02484		mg/l	0.00050	0.00017	1	01/22/20 14:47	01/22/20 22:43	EPA 3005A	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	01/22/20 14:47	01/22/20 22:43	EPA 3005A	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	01/22/20 14:47	01/22/20 22:43	EPA 3005A	1,6020B	AM
Calcium, Total	54.4		mg/l	0.100	0.0394	1	01/22/20 14:47	01/22/20 22:43	EPA 3005A	1,6020B	AM
Chromium, Total	0.00067	J	mg/l	0.00100	0.00017	1	01/22/20 14:47	01/22/20 22:43	EPA 3005A	1,6020B	AM
Cobalt, Total	0.00031	J	mg/l	0.00050	0.00016	1	01/22/20 14:47	01/22/20 22:43	EPA 3005A	1,6020B	AM
Copper, Total	0.00083	J	mg/l	0.00100	0.00038	1	01/22/20 14:47	01/22/20 22:43	EPA 3005A	1,6020B	AM
Iron, Total	5.53		mg/l	0.110	0.0191	1	01/22/20 14:47	01/22/20 22:43	EPA 3005A	1,6020B	AM
Lead, Total	0.00045	J	mg/l	0.00100	0.00034	1	01/22/20 14:47	01/22/20 22:43	EPA 3005A	1,6020B	AM
Magnesium, Total	33.3		mg/l	0.0700	0.0242	1	01/22/20 14:47	01/22/20 22:43	EPA 3005A	1,6020B	AM
Manganese, Total	0.1069		mg/l	0.00100	0.00044	1	01/22/20 14:47	01/22/20 22:43	EPA 3005A	1,6020B	AM
Mercury, Total	ND		mg/l	0.00020	0.00009	1	01/22/20 12:54	01/22/20 17:04	EPA 7470A	1,7470A	AL
Nickel, Total	0.00593		mg/l	0.00200	0.00055	1	01/22/20 14:47	01/22/20 22:43	EPA 3005A	1,6020B	AM
Potassium, Total	9.29		mg/l	0.100	0.0309	1	01/22/20 14:47	01/22/20 22:43	EPA 3005A	1,6020B	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	01/22/20 14:47	01/22/20 22:43	EPA 3005A	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	01/22/20 14:47	01/22/20 22:43	EPA 3005A	1,6020B	AM
Sodium, Total	42.9		mg/l	0.100	0.0293	1	01/22/20 14:47	01/22/20 22:43	EPA 3005A	1,6020B	AM
Thallium, Total	ND		mg/l	0.00100	0.00014	1	01/22/20 14:47	01/22/20 22:43	EPA 3005A	1,6020B	AM
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	01/22/20 14:47	01/22/20 22:43	EPA 3005A	1,6020B	AM
Zinc, Total	0.00374	J	mg/l	0.01000	0.00341	1	01/22/20 14:47	01/22/20 22:43	EPA 3005A	1,6020B	AM

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L2002906
Report Date: 02/11/20

SAMPLE RESULTS

Lab ID: L2002906-03
Client ID: BW-03-01212020
Sample Location: Not Specified

Date Collected: 01/21/20 09:30
Date Received: 01/21/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.0123		mg/l	0.0100	0.00327	1	01/22/20 14:47	01/22/20 22:47	EPA 3005A	1,6020B	AM
Antimony, Total	ND		mg/l	0.00400	0.00042	1	01/22/20 14:47	01/22/20 22:47	EPA 3005A	1,6020B	AM
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	01/22/20 14:47	01/22/20 22:47	EPA 3005A	1,6020B	AM
Barium, Total	0.03774		mg/l	0.00050	0.00017	1	01/22/20 14:47	01/22/20 22:47	EPA 3005A	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	01/22/20 14:47	01/22/20 22:47	EPA 3005A	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	01/22/20 14:47	01/22/20 22:47	EPA 3005A	1,6020B	AM
Calcium, Total	72.6		mg/l	0.100	0.0394	1	01/22/20 14:47	01/22/20 22:47	EPA 3005A	1,6020B	AM
Chromium, Total	0.00093	J	mg/l	0.00100	0.00017	1	01/22/20 14:47	01/22/20 22:47	EPA 3005A	1,6020B	AM
Cobalt, Total	0.00029	J	mg/l	0.00050	0.00016	1	01/22/20 14:47	01/22/20 22:47	EPA 3005A	1,6020B	AM
Copper, Total	0.00175		mg/l	0.00100	0.00038	1	01/22/20 14:47	01/22/20 22:47	EPA 3005A	1,6020B	AM
Iron, Total	42.8		mg/l	0.110	0.0191	1	01/22/20 14:47	01/22/20 22:47	EPA 3005A	1,6020B	AM
Lead, Total	ND		mg/l	0.00100	0.00034	1	01/22/20 14:47	01/22/20 22:47	EPA 3005A	1,6020B	AM
Magnesium, Total	32.7		mg/l	0.0700	0.0242	1	01/22/20 14:47	01/22/20 22:47	EPA 3005A	1,6020B	AM
Manganese, Total	2.314		mg/l	0.00100	0.00044	1	01/22/20 14:47	01/22/20 22:47	EPA 3005A	1,6020B	AM
Mercury, Total	ND		mg/l	0.00020	0.00009	1	01/22/20 12:54	01/22/20 17:10	EPA 7470A	1,7470A	AL
Nickel, Total	0.00192	J	mg/l	0.00200	0.00055	1	01/22/20 14:47	01/22/20 22:47	EPA 3005A	1,6020B	AM
Potassium, Total	19.5		mg/l	0.100	0.0309	1	01/22/20 14:47	01/22/20 22:47	EPA 3005A	1,6020B	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	01/22/20 14:47	01/22/20 22:47	EPA 3005A	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	01/22/20 14:47	01/22/20 22:47	EPA 3005A	1,6020B	AM
Sodium, Total	144.		mg/l	0.100	0.0293	1	01/22/20 14:47	01/22/20 22:47	EPA 3005A	1,6020B	AM
Thallium, Total	ND		mg/l	0.00100	0.00014	1	01/22/20 14:47	01/22/20 22:47	EPA 3005A	1,6020B	AM
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	01/22/20 14:47	01/22/20 22:47	EPA 3005A	1,6020B	AM
Zinc, Total	ND		mg/l	0.01000	0.00341	1	01/22/20 14:47	01/22/20 22:47	EPA 3005A	1,6020B	AM

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L2002906
Report Date: 02/11/20

SAMPLE RESULTS

Lab ID: L2002906-04
Client ID: DUP-01
Sample Location: Not Specified

Date Collected: 01/21/20 00:00
Date Received: 01/21/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.00968	J	mg/l	0.0100	0.00327	1	01/22/20 14:47	01/22/20 22:52	EPA 3005A	1,6020B	AM
Antimony, Total	ND		mg/l	0.00400	0.00042	1	01/22/20 14:47	01/22/20 22:52	EPA 3005A	1,6020B	AM
Arsenic, Total	0.00056		mg/l	0.00050	0.00016	1	01/22/20 14:47	01/22/20 22:52	EPA 3005A	1,6020B	AM
Barium, Total	0.2359		mg/l	0.00050	0.00017	1	01/22/20 14:47	01/22/20 22:52	EPA 3005A	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	01/22/20 14:47	01/22/20 22:52	EPA 3005A	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	01/22/20 14:47	01/22/20 22:52	EPA 3005A	1,6020B	AM
Calcium, Total	451.		mg/l	0.100	0.0394	1	01/22/20 14:47	01/22/20 22:52	EPA 3005A	1,6020B	AM
Chromium, Total	0.00077	J	mg/l	0.00100	0.00017	1	01/22/20 14:47	01/22/20 22:52	EPA 3005A	1,6020B	AM
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	01/22/20 14:47	01/22/20 22:52	EPA 3005A	1,6020B	AM
Copper, Total	0.00570		mg/l	0.00100	0.00038	1	01/22/20 14:47	01/22/20 22:52	EPA 3005A	1,6020B	AM
Iron, Total	0.727		mg/l	0.110	0.0191	1	01/22/20 14:47	01/22/20 22:52	EPA 3005A	1,6020B	AM
Lead, Total	0.00037	J	mg/l	0.00100	0.00034	1	01/22/20 14:47	01/22/20 22:52	EPA 3005A	1,6020B	AM
Magnesium, Total	0.751		mg/l	0.0700	0.0242	1	01/22/20 14:47	01/22/20 22:52	EPA 3005A	1,6020B	AM
Manganese, Total	0.00745		mg/l	0.00100	0.00044	1	01/22/20 14:47	01/22/20 22:52	EPA 3005A	1,6020B	AM
Mercury, Total	ND		mg/l	0.00020	0.00009	1	01/22/20 12:54	01/22/20 17:12	EPA 7470A	1,7470A	AL
Nickel, Total	0.00205		mg/l	0.00200	0.00055	1	01/22/20 14:47	01/22/20 22:52	EPA 3005A	1,6020B	AM
Potassium, Total	57.9		mg/l	0.100	0.0309	1	01/22/20 14:47	01/22/20 22:52	EPA 3005A	1,6020B	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	01/22/20 14:47	01/22/20 22:52	EPA 3005A	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	01/22/20 14:47	01/22/20 22:52	EPA 3005A	1,6020B	AM
Sodium, Total	211.		mg/l	0.100	0.0293	1	01/22/20 14:47	01/22/20 22:52	EPA 3005A	1,6020B	AM
Thallium, Total	ND		mg/l	0.00100	0.00014	1	01/22/20 14:47	01/22/20 22:52	EPA 3005A	1,6020B	AM
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	01/22/20 14:47	01/22/20 22:52	EPA 3005A	1,6020B	AM
Zinc, Total	ND		mg/l	0.01000	0.00341	1	01/22/20 14:47	01/22/20 22:52	EPA 3005A	1,6020B	AM

Project Name: Not Specified
Project Number: Not Specified
Lab Number: L2002906
Report Date: 02/11/20

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-04 Batch: WG1332689-1										
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	01/22/20 14:47	01/22/20 20:37	1,6020B	AM
Antimony, Total	ND		mg/l	0.00400	0.00042	1	01/22/20 14:47	01/22/20 20:37	1,6020B	AM
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	01/22/20 14:47	01/22/20 20:37	1,6020B	AM
Barium, Total	ND		mg/l	0.00050	0.00017	1	01/22/20 14:47	01/22/20 20:37	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	01/22/20 14:47	01/22/20 20:37	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	01/22/20 14:47	01/22/20 20:37	1,6020B	AM
Calcium, Total	ND		mg/l	0.100	0.0394	1	01/22/20 14:47	01/22/20 20:37	1,6020B	AM
Chromium, Total	0.00076	J	mg/l	0.00100	0.00017	1	01/22/20 14:47	01/22/20 20:37	1,6020B	AM
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	01/22/20 14:47	01/22/20 20:37	1,6020B	AM
Copper, Total	ND		mg/l	0.00100	0.00038	1	01/22/20 14:47	01/22/20 20:37	1,6020B	AM
Iron, Total	0.106	J	mg/l	0.110	0.0191	1	01/22/20 14:47	01/22/20 20:37	1,6020B	AM
Lead, Total	ND		mg/l	0.00100	0.00034	1	01/22/20 14:47	01/22/20 20:37	1,6020B	AM
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	01/22/20 14:47	01/22/20 20:37	1,6020B	AM
Manganese, Total	0.00088	J	mg/l	0.00100	0.00044	1	01/22/20 14:47	01/22/20 20:37	1,6020B	AM
Nickel, Total	ND		mg/l	0.00200	0.00055	1	01/22/20 14:47	01/22/20 20:37	1,6020B	AM
Potassium, Total	ND		mg/l	0.100	0.0309	1	01/22/20 14:47	01/22/20 20:37	1,6020B	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	01/22/20 14:47	01/22/20 20:37	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	01/22/20 14:47	01/22/20 20:37	1,6020B	AM
Sodium, Total	ND		mg/l	0.100	0.0293	1	01/22/20 14:47	01/22/20 20:37	1,6020B	AM
Thallium, Total	0.00018	J	mg/l	0.00100	0.00014	1	01/22/20 14:47	01/22/20 20:37	1,6020B	AM
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	01/22/20 14:47	01/22/20 20:37	1,6020B	AM
Zinc, Total	ND		mg/l	0.01000	0.00341	1	01/22/20 14:47	01/22/20 20:37	1,6020B	AM

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-04 Batch: WG1332718-1										
Mercury, Total	ND		mg/l	0.00020	0.00009	1	01/22/20 12:54	01/22/20 16:48	1,7470A	AL

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L2002906
Report Date: 02/11/20

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7470A

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: Not Specified

Lab Number: L2002906

Report Date: 02/11/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04 Batch: WG1332689-2								
Aluminum, Total	109		-		80-120	-		
Antimony, Total	84		-		80-120	-		
Arsenic, Total	98		-		80-120	-		
Barium, Total	102		-		80-120	-		
Beryllium, Total	101		-		80-120	-		
Cadmium, Total	106		-		80-120	-		
Calcium, Total	115		-		80-120	-		
Chromium, Total	100		-		80-120	-		
Cobalt, Total	99		-		80-120	-		
Copper, Total	89		-		80-120	-		
Iron, Total	105		-		80-120	-		
Lead, Total	100		-		80-120	-		
Magnesium, Total	109		-		80-120	-		
Manganese, Total	104		-		80-120	-		
Nickel, Total	97		-		80-120	-		
Potassium, Total	107		-		80-120	-		
Selenium, Total	107		-		80-120	-		
Silver, Total	102		-		80-120	-		
Sodium, Total	106		-		80-120	-		
Thallium, Total	99		-		80-120	-		
Vanadium, Total	103		-		80-120	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: Not Specified

Lab Number: L2002906

Report Date: 02/11/20

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04 Batch: WG1332689-2					
Zinc, Total	110	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 01-04 Batch: WG1332718-2					
Mercury, Total	102	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L2002906
Report Date: 02/11/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04 01202020	QC Batch ID: WG1332689-3					WG1332689-4			QC Sample: L2002906-01			Client ID: BW-01-
Aluminum, Total	0.0105	2	2.12	105		2.10	104		75-125	1		20
Antimony, Total	ND	0.5	0.4923	98		0.4870	97		75-125	1		20
Arsenic, Total	0.00058	0.12	0.1278	106		0.1233	102		75-125	4		20
Barium, Total	0.2525	2	2.237	99		2.210	98		75-125	1		20
Beryllium, Total	ND	0.05	0.04723	94		0.04790	96		75-125	1		20
Cadmium, Total	ND	0.051	0.05440	107		0.05212	102		75-125	4		20
Calcium, Total	465.	10	485	**200**	Q	484	**190**	Q	75-125	0		20
Chromium, Total	0.00061J	0.2	0.1991	100		0.1932	97		75-125	3		20
Cobalt, Total	0.00017J	0.5	0.4931	99		0.4896	98		75-125	1		20
Copper, Total	0.00704	0.25	0.2426	94		0.2423	94		75-125	0		20
Iron, Total	0.738	1	1.84	110		1.91	117		75-125	4		20
Lead, Total	0.00044J	0.51	0.5120	100		0.5094	100		75-125	1		20
Magnesium, Total	0.620	10	11.0	104		10.9	103		75-125	1		20
Manganese, Total	0.00737	0.5	0.5240	103		0.5074	100		75-125	3		20
Nickel, Total	0.00235	0.5	0.5002	100		0.4876	97		75-125	3		20
Potassium, Total	57.0	10	69.9	**129**	Q	68.4	114		75-125	2		20
Selenium, Total	ND	0.12	0.122	102		0.127	106		75-125	4		20
Silver, Total	ND	0.05	0.05035	101		0.04779	96		75-125	5		20
Sodium, Total	202.	10	184	**0**	Q	185	**0**	Q	75-125	1		20
Thallium, Total	ND	0.12	0.1162	97		0.1190	99		75-125	2		20
Vanadium, Total	ND	0.5	0.5121	102		0.5088	102		75-125	1		20

Matrix Spike Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L2002906
Report Date: 02/11/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04 01202020	QC Batch ID: WG1332689-3				WG1332689-4		QC Sample: L2002906-01	Client ID: BW-01-	
Zinc, Total	ND	0.5	0.5240	105	0.5290	106	75-125	1	20
Total Metals - Mansfield Lab Associated sample(s): 01-04 01202020	QC Batch ID: WG1332718-3				WG1332718-4		QC Sample: L2002906-01	Client ID: BW-01-	
Mercury, Total	ND	0.005	0.00487	98	0.00482	96	75-125	1	20

INORGANICS
&
MISCELLANEOUS

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L2002906
Report Date: 02/11/20

SAMPLE RESULTS

Lab ID: L2002906-01
Client ID: BW-01-01202020
Sample Location: Not Specified

Date Collected: 01/20/20 11:40
Date Received: 01/21/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	ND		mg/l	0.005	0.001	1	01/22/20 12:35	01/22/20 15:08	1,9010C/9012B	LH

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L2002906
Report Date: 02/11/20

SAMPLE RESULTS

Lab ID: L2002906-02
Client ID: BW-02-01212020
Sample Location: Not Specified

Date Collected: 01/21/20 12:40
Date Received: 01/21/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	0.001	J	mg/l	0.005	0.001	1	01/22/20 12:35	01/22/20 15:13	1,9010C/9012B	LH

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L2002906
Report Date: 02/11/20

SAMPLE RESULTS

Lab ID: L2002906-03
Client ID: BW-03-01212020
Sample Location: Not Specified

Date Collected: 01/21/20 09:30
Date Received: 01/21/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	ND		mg/l	0.005	0.001	1	01/22/20 12:35	01/22/20 15:14	1,9010C/9012B	LH

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L2002906
Report Date: 02/11/20

SAMPLE RESULTS

Lab ID: L2002906-04
Client ID: DUP-01
Sample Location: Not Specified

Date Collected: 01/21/20 00:00
Date Received: 01/21/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	ND		mg/l	0.005	0.001	1	01/22/20 12:35	01/22/20 15:15	1,9010C/9012B	LH

Project Name:

Project Number: Not Specified

Lab Number: L2002906

Report Date: 02/11/20

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-04 Batch: WG1332693-1										
Cyanide, Total	ND		mg/l	0.005	0.001	1	01/22/20 12:35	01/22/20 14:38	1,9010C/9012B	LH

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: Not Specified

Lab Number: L2002906

Report Date: 02/11/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-04 Batch: WG1332693-2 WG1332693-3								
Cyanide, Total	94		96		85-115	2		20

Matrix Spike Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L2002906
Report Date: 02/11/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG1332693-4 WG1332693-5 QC Sample: L2002906-01 Client ID: BW-01-01202020												
Cyanide, Total	ND	0.2	0.191	96		0.199	100		80-120	4		20

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L2002906
Report Date: 02/11/20

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent
C	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2002906-01A	Vial HCl preserved	B	NA		5.3	Y	Absent		NYTCL-8260-R2(14)
L2002906-01A1	Vial HCl preserved	B	NA		5.3	Y	Absent		NYTCL-8260-R2(14)
L2002906-01A2	Vial HCl preserved	B	NA		5.3	Y	Absent		NYTCL-8260-R2(14)
L2002906-01B	Vial HCl preserved	B	NA		5.3	Y	Absent		NYTCL-8260-R2(14)
L2002906-01B1	Vial HCl preserved	B	NA		5.3	Y	Absent		NYTCL-8260-R2(14)
L2002906-01B2	Vial HCl preserved	B	NA		5.3	Y	Absent		NYTCL-8260-R2(14)
L2002906-01C	Vial HCl preserved	B	NA		5.3	Y	Absent		NYTCL-8260-R2(14)
L2002906-01C1	Vial HCl preserved	B	NA		5.3	Y	Absent		NYTCL-8260-R2(14)
L2002906-01C2	Vial HCl preserved	B	NA		5.3	Y	Absent		NYTCL-8260-R2(14)
L2002906-01D	Plastic 250ml Trizma preserved	A	NA		3.1	Y	Absent		A2-NY-537-ISOTOPE(14)
L2002906-01D1	Plastic 250ml Trizma preserved	A	NA		3.1	Y	Absent		A2-NY-537-ISOTOPE(14)
L2002906-01D2	Plastic 250ml Trizma preserved	A	NA		3.1	Y	Absent		A2-NY-537-ISOTOPE(14)
L2002906-01E	Plastic 250ml Trizma preserved	A	NA		3.1	Y	Absent		A2-NY-537-ISOTOPE(14)
L2002906-01E1	Plastic 250ml Trizma preserved	A	NA		3.1	Y	Absent		A2-NY-537-ISOTOPE(14)
L2002906-01E2	Plastic 250ml Trizma preserved	A	NA		3.1	Y	Absent		A2-NY-537-ISOTOPE(14)
L2002906-01F	Plastic 250ml HNO3 preserved	B	<2	<2	5.3	Y	Absent		BA-6020T(180),TL-6020T(180),FE-6020T(180),SE-6020T(180),CA-6020T(180),NI-6020T(180),K-6020T(180),CR-6020T(180),CU-6020T(180),ZN-6020T(180),NA-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),V-6020T(180),SB-6020T(180),AG-6020T(180),HG-T(28),CD-6020T(180),AL-6020T(180),MG-6020T(180),CO-6020T(180)

*Values in parentheses indicate holding time in days

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2002906-01F1	Plastic 250ml HNO3 preserved	B	<2	<2	5.3	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),NI-6020T(180),CR-6020T(180),K-6020T(180),CU-6020T(180),ZN-6020T(180),NA-6020T(180),PB-6020T(180),MN-6020T(180),BE-6020T(180),AS-6020T(180),V-6020T(180),SB-6020T(180),AG-6020T(180),HG-T(28),CD-6020T(180),AL-6020T(180),MG-6020T(180),CO-6020T(180)
L2002906-01F2	Plastic 250ml HNO3 preserved	B	<2	<2	5.3	Y	Absent		BA-6020T(180),TL-6020T(180),FE-6020T(180),SE-6020T(180),CA-6020T(180),NI-6020T(180),K-6020T(180),CR-6020T(180),CU-6020T(180),ZN-6020T(180),NA-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),HG-T(28),CD-6020T(180),AL-6020T(180),MG-6020T(180),CO-6020T(180)
L2002906-01G	Plastic 250ml NaOH preserved	B	>12	>12	5.3	Y	Absent		TCN-9010(14)
L2002906-01G1	Plastic 250ml NaOH preserved	B	>12	>12	5.3	Y	Absent		TCN-9010(14)
L2002906-01G2	Plastic 250ml NaOH preserved	B	>12	>12	5.3	Y	Absent		TCN-9010(14)
L2002906-01H	Amber 120ml unpreserved	B	7	7	5.3	Y	Absent		NYTCL-8082-LVI(7)
L2002906-01H1	Amber 120ml unpreserved	B	7	7	5.3	Y	Absent		NYTCL-8082-LVI(7)
L2002906-01H2	Amber 120ml unpreserved	B	7	7	5.3	Y	Absent		NYTCL-8082-LVI(7)
L2002906-01I	Amber 120ml unpreserved	B	7	7	5.3	Y	Absent		NYTCL-8082-LVI(7)
L2002906-01I1	Amber 120ml unpreserved	B	7	7	5.3	Y	Absent		NYTCL-8082-LVI(7)
L2002906-01I2	Amber 120ml unpreserved	B	7	7	5.3	Y	Absent		NYTCL-8082-LVI(7)
L2002906-01J	Amber 120ml unpreserved	B	7	7	5.3	Y	Absent		NYTCL-8081(7)
L2002906-01J1	Amber 120ml unpreserved	B	7	7	5.3	Y	Absent		NYTCL-8081(7)
L2002906-01J2	Amber 120ml unpreserved	B	7	7	5.3	Y	Absent		NYTCL-8081(7)
L2002906-01K	Amber 120ml unpreserved	B	7	7	5.3	Y	Absent		NYTCL-8081(7)
L2002906-01K1	Amber 120ml unpreserved	B	7	7	5.3	Y	Absent		NYTCL-8081(7)
L2002906-01L	Amber 250ml unpreserved	B	7	7	5.3	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2002906-01L1	Amber 250ml unpreserved	B	7	7	5.3	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2002906-01L2	Amber 250ml unpreserved	B	7	7	5.3	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2002906-01M	Amber 250ml unpreserved	B	7	7	5.3	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)

*Values in parentheses indicate holding time in days

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2002906-01M1	Amber 250ml unpreserved	B	7	7	5.3	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2002906-01M2	Amber 250ml unpreserved	B	7	7	5.3	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2002906-01N	Amber 250ml unpreserved	B	7	7	5.3	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2002906-01N1	Amber 250ml unpreserved	B	7	7	5.3	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2002906-01N2	Amber 250ml unpreserved	B	7	7	5.3	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2002906-01O	Amber 250ml unpreserved	B	7	7	5.3	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2002906-01O1	Amber 250ml unpreserved	B	7	7	5.3	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2002906-01O2	Amber 250ml unpreserved	B	7	7	5.3	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2002906-02A	Vial HCl preserved	C	NA		5.6	Y	Absent		NYTCL-8260-R2(14)
L2002906-02B	Vial HCl preserved	C	NA		5.6	Y	Absent		NYTCL-8260-R2(14)
L2002906-02C	Vial HCl preserved	C	NA		5.6	Y	Absent		NYTCL-8260-R2(14)
L2002906-02D	Plastic 250ml Trizma preserved	A	NA		3.1	Y	Absent		A2-NY-537-ISOTOPE(14)
L2002906-02E	Plastic 250ml Trizma preserved	A	NA		3.1	Y	Absent		A2-NY-537-ISOTOPE(14)
L2002906-02F	Plastic 250ml HNO3 preserved	C	<2	<2	5.6	Y	Absent		TL-6020T(180),BA-6020T(180),SE-6020T(180),FE-6020T(180),CA-6020T(180),K-6020T(180),NI-6020T(180),CR-6020T(180),CU-6020T(180),ZN-6020T(180),NA-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),SB-6020T(180),V-6020T(180),AS-6020T(180),AL-6020T(180),AG-6020T(180),HG-T(28),CD-6020T(180),MG-6020T(180),CO-6020T(180)
L2002906-02G	Plastic 250ml NaOH preserved	C	>12	>12	5.6	Y	Absent		TCN-9010(14)
L2002906-02H	Amber 120ml unpreserved	C	7	7	5.6	Y	Absent		NYTCL-8082-LVI(7)
L2002906-02I	Amber 120ml unpreserved	C	7	7	5.6	Y	Absent		NYTCL-8082-LVI(7)
L2002906-02J	Amber 120ml unpreserved	C	7	7	5.6	Y	Absent		NYTCL-8081(7)
L2002906-02K	Amber 120ml unpreserved	C	7	7	5.6	Y	Absent		NYTCL-8081(7)
L2002906-02L	Amber 250ml unpreserved	C	7	7	5.6	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2002906-02M	Amber 250ml unpreserved	C	7	7	5.6	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2002906-02N	Amber 250ml unpreserved	C	7	7	5.6	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2002906-02O	Amber 250ml unpreserved	C	7	7	5.6	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2002906-03A	Vial HCl preserved	C	NA		5.6	Y	Absent		NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2002906-03B	Vial HCl preserved	C	NA		5.6	Y	Absent		NYTCL-8260-R2(14)
L2002906-03C	Vial HCl preserved	C	NA		5.6	Y	Absent		NYTCL-8260-R2(14)
L2002906-03D	Plastic 250ml Trizma preserved	A	NA		3.1	Y	Absent		A2-NY-537-ISOTOPE(14)
L2002906-03E	Plastic 250ml Trizma preserved	A	NA		3.1	Y	Absent		A2-NY-537-ISOTOPE(14)
L2002906-03F	Plastic 250ml HNO3 preserved	C	<2	<2	5.6	Y	Absent		FE-6020T(180),SE-6020T(180),TL-6020T(180),BA-6020T(180),CR-6020T(180),NI-6020T(180),CA-6020T(180),K-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),SB-6020T(180),V-6020T(180),AS-6020T(180),MG-6020T(180),AG-6020T(180),HG-T(28),CD-6020T(180),AL-6020T(180),CO-6020T(180)
L2002906-03G	Plastic 250ml NaOH preserved	C	>12	>12	5.6	Y	Absent		TCN-9010(14)
L2002906-03H	Amber 120ml unpreserved	C	7	7	5.6	Y	Absent		NYTCL-8082-LVI(7)
L2002906-03I	Amber 120ml unpreserved	C	7	7	5.6	Y	Absent		NYTCL-8082-LVI(7)
L2002906-03J	Amber 120ml unpreserved	C	7	7	5.6	Y	Absent		NYTCL-8081(7)
L2002906-03K	Amber 120ml unpreserved	C	7	7	5.6	Y	Absent		NYTCL-8081(7)
L2002906-03L	Amber 250ml unpreserved	C	7	7	5.6	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2002906-03M	Amber 250ml unpreserved	C	7	7	5.6	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2002906-03N	Amber 250ml unpreserved	C	7	7	5.6	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2002906-03O	Amber 250ml unpreserved	C	7	7	5.6	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2002906-04A	Vial HCl preserved	C	NA		5.6	Y	Absent		NYTCL-8260-R2(14)
L2002906-04B	Vial HCl preserved	C	NA		5.6	Y	Absent		NYTCL-8260-R2(14)
L2002906-04C	Vial HCl preserved	C	NA		5.6	Y	Absent		NYTCL-8260-R2(14)
L2002906-04D	Plastic 250ml Trizma preserved	A	NA		3.1	Y	Absent		A2-NY-537-ISOTOPE(14)
L2002906-04E	Plastic 250ml Trizma preserved	A	NA		3.1	Y	Absent		A2-NY-537-ISOTOPE(14)
L2002906-04F	Plastic 250ml HNO3 preserved	C	<2	<2	5.6	Y	Absent		FE-6020T(180),BA-6020T(180),SE-6020T(180),TL-6020T(180),K-6020T(180),CA-6020T(180),NI-6020T(180),CR-6020T(180),ZN-6020T(180),CU-6020T(180),NA-6020T(180),PB-6020T(180),MN-6020T(180),BE-6020T(180),V-6020T(180),SB-6020T(180),AS-6020T(180),AL-6020T(180),HG-T(28),CD-6020T(180),AG-6020T(180),MG-6020T(180),CO-6020T(180)

*Values in parentheses indicate holding time in days

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L2002906
Report Date: 02/11/20

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2002906-04G	Plastic 250ml NaOH preserved	C	>12	>12	5.6	Y	Absent		TCN-9010(14)
L2002906-04H	Amber 120ml unpreserved	C	7	7	5.6	Y	Absent		NYTCL-8082-LVI(7)
L2002906-04I	Amber 120ml unpreserved	C	7	7	5.6	Y	Absent		NYTCL-8082-LVI(7)
L2002906-04J	Amber 120ml unpreserved	C	7	7	5.6	Y	Absent		NYTCL-8081(7)
L2002906-04K	Amber 120ml unpreserved	C	7	7	5.6	Y	Absent		NYTCL-8081(7)
L2002906-04L	Amber 250ml unpreserved	C	7	7	5.6	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2002906-04M	Amber 250ml unpreserved	C	7	7	5.6	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2002906-04N	Amber 250ml unpreserved	C	7	7	5.6	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2002906-04O	Amber 250ml unpreserved	C	7	7	5.6	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2002906-05A	Vial HCl preserved	B	NA		5.3	Y	Absent		NYTCL-8260-R2(14)
L2002906-05B	Vial HCl preserved	B	NA		5.3	Y	Absent		NYTCL-8260-R2(14)
L2002906-05C	Vial HCl preserved	B	NA		5.3	Y	Absent		NYTCL-8260-R2(14)
L2002906-06A	Vial HCl preserved	B	NA		5.3	Y	Absent		NYTCL-8260-R2(14)
L2002906-06B	Vial HCl preserved	B	NA		5.3	Y	Absent		NYTCL-8260-R2(14)
L2002906-06C	Vial HCl preserved	B	NA		5.3	Y	Absent		NYTCL-8260-R2(14)
L2002906-07A	Vial HCl preserved	B	NA		5.3	Y	Absent		NYTCL-8260-R2(14)
L2002906-07B	Vial HCl preserved	B	NA		5.3	Y	Absent		NYTCL-8260-R2(14)
L2002906-07C	Vial HCl preserved	B	NA		5.3	Y	Absent		NYTCL-8260-R2(14)
L2002906-08A	Vial HCl preserved	B	NA		5.3	Y	Absent		NYTCL-8260-R2(14)
L2002906-08B	Vial HCl preserved	B	NA		5.3	Y	Absent		NYTCL-8260-R2(14)
L2002906-08C	Vial HCl preserved	B	NA		5.3	Y	Absent		NYTCL-8260-R2(14)
L2002906-09A	Vial HCl preserved	B	NA		5.3	Y	Absent		NYTCL-8260-R2(14)
L2002906-09B	Vial HCl preserved	B	NA		5.3	Y	Absent		NYTCL-8260-R2(14)
L2002906-09C	Vial HCl preserved	B	NA		5.3	Y	Absent		NYTCL-8260-R2(14)
L2002906-10A	Plastic 250ml Trizma preserved	A	NA		3.1	Y	Absent		HOLD-537(14)
L2002906-11A	Vial HCl preserved	C	NA		5.6	Y	Absent		ARCHIVE()
L2002906-11B	Vial HCl preserved	C	NA		5.6	Y	Absent		ARCHIVE()

*Values in parentheses indicate holding time in days

Project Name: Not Specified
Project Number:

Lab Number: L2002906
Report Date: 02/11/20

PFAS PARAMETER SUMMARY

Parameter	Acronym	CAS Number
PERFLUOROALKYL CARBOXYLIC ACIDS (PFCAs)		
Perfluorooctadecanoic Acid	PFODA	16517-11-6
Perfluorohexadecanoic Acid	PFHxDA	67905-19-5
Perfluorotetradecanoic Acid	PFTA	376-06-7
Perfluorotridecanoic Acid	PFTrDA	72629-94-8
Perfluorododecanoic Acid	PFDoA	307-55-1
Perfluoroundecanoic Acid	PFUnA	2058-94-8
Perfluorodecanoic Acid	PFDA	335-76-2
Perfluorononanoic Acid	PFNA	375-95-1
Perfluorooctanoic Acid	PFOA	335-67-1
Perfluoroheptanoic Acid	PFHpA	375-85-9
Perfluorohexanoic Acid	PFHxA	307-24-4
Perfluoropentanoic Acid	PFPeA	2706-90-3
Perfluorobutanoic Acid	PFBA	375-22-4
PERFLUOROALKYL SULFONIC ACIDS (PFSAs)		
Perfluorododecanesulfonic Acid	PFDoDS	79780-39-5
Perfluorodecanesulfonic Acid	PFDS	335-77-3
Perfluorononanesulfonic Acid	PFNS	68259-12-1
Perfluorooctanesulfonic Acid	PFOS	1763-23-1
Perfluoroheptanesulfonic Acid	PFHpS	375-92-8
Perfluorohexanesulfonic Acid	PFHxS	355-46-4
Perfluoropentanesulfonic Acid	PFPeS	2706-91-4
Perfluorobutanesulfonic Acid	PFBS	375-73-5
FLUOROTELOMERS		
1H,1H,2H,2H-Perfluorododecanesulfonic Acid	10:2FTS	120226-60-0
1H,1H,2H,2H-Perfluorodecanesulfonic Acid	8:2FTS	39108-34-4
1H,1H,2H,2H-Perfluorooctanesulfonic Acid	6:2FTS	27619-97-2
1H,1H,2H,2H-Perfluorohexanesulfonic Acid	4:2FTS	757124-72-4
PERFLUOROALKANE SULFONAMIDES (FASAs)		
Perfluorooctanesulfonamide	FOSA	754-91-6
N-Ethyl Perfluorooctane Sulfonamide	NEtFOSA	4151-50-2
N-Methyl Perfluorooctane Sulfonamide	NMeFOSA	31506-32-8
PERFLUOROALKANE SULFONYL SUBSTANCES		
N-Ethyl Perfluorooctanesulfonamido Ethanol	NEtFOSE	1691-99-2
N-Methyl Perfluorooctanesulfonamido Ethanol	NMeFOSE	24448-09-7
N-Ethyl Perfluorooctanesulfonamidoacetic Acid	NEtFOSAA	2991-50-6
N-Methyl Perfluorooctanesulfonamidoacetic Acid	NMeFOSAA	2355-31-9
PER- and POLYFLUOROALKYL ETHER CARBOXYLIC ACIDS		
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid	HFPO-DA	13252-13-6
4,8-Dioxa-3h-Perfluorononanoic Acid	ADONA	919005-14-4
CHLORO-PERFLUOROALKYL SULFONIC ACIDS		
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	11Cl-PF3OUdS	763051-92-9
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid	9Cl-PF3ONS	756426-58-1

Project Name:	Not Specified	**Lab Number:**	L2002906
Project Number:	Not Specified	**Report Date:**	02/11/20

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

Report Format: DU Report with 'J' Qualifiers

Project Name:	Not Specified	**Lab Number:**	L2002906
Project Number:	Not Specified	**Report Date:**	02/11/20

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration

Report Format: DU Report with 'J' Qualifiers

Project Name:	Not Specified	**Lab Number:**	L2002906
Project Number:	Not Specified	**Report Date:**	02/11/20

Data Qualifiers

Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Report Format: DU Report with 'J' Qualifiers

Project Name: Not Specified
Project Number: Not Specified
Lab Number: L2002906
Report Date: 02/11/20

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

134 Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS) using Isotope Dilution. Alpha SOP 23528.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581 — 8 Walkup Dr. — TEL: 508-898-9220 — FAX: 508-898-9193

Mansfield, MA 02048 — 320 Forbes Blvd — TEL: 508-822-9300 — FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 1/22/20

ALPHA Job #: L2002906

Project Information
Project Name:
Project Location:
Project #
(Use Project name as Project #) ☐
Project Manager: JEN GILLEN
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☒ ASP-B
☐ EQuIS (1 File) ☒ EQuIS (4 File)
☐ Other

Billing Information
☒ Same as Client Info
PO #

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

Client Information
Client: LABELLA ASSOCIATES
Address: 300 STATE ST, ROCHESTER NY
585-454-6110
~~Phone~~
aaguilina@labellapc.com
~~Fax~~ jgillen@labellapc.com
Email: slogan@labellapc.com

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

TAL METALS

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

Sample Specific Comments

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	CP-51 VOC +TIC	TCL VOCs+TICs	TCL SVOCs +TIC	TAL METALS	CYANIDE	PCB	PESTICIDES	1,4-DIOXANE	PFAS	MS/MSD	Total Bottle
02906-01	BW-01-01202020	1/20/2020	1140	GW	SL		9	X	X	X	X	X	X	X	X	
-02	BW-02-01212020	1/21/2020	~~0830~~ 1248				X	X	X	X	X	X	X	X		
-03	BW-03-01212020	1/21/2020	~~1240~~ 0930				X	X	X	X	X	X	X	X		
-04	DUP-01	—	—				X	X	X	X	X	X	X	X		
-05	SB-MW-10-01212020	1/21/2020	1450			X	X									
-06	RIMW-A-1-01202020	1/20/2020	0840			X	X									
-07	RIMW-A-2-01202020	1/20/2020	0845			X	X									
-08	RIMW-A-3-01202020	1/20/2020	0850			X	X									
-09	RIMW-A-4-01202020	1/20/2020	0855			X	X									

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type									
Preservative									

Relinquished By:	Date/Time	Received By:	Date/Time
	1/21/2020 1730		1/21/2020 17:30
	1/21/2020 17:30		1/22/20 0055

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L1960377
Client:	LaBella Associates, P.C. 300 State Street Suite 201 Rochester, NY 14614
ATTN:	Jennifer Gillen
Phone:	(585) 454-6110
Project Name:	FORMER WOLLENSACK OPTICAL
Project Number:	2182207
Report Date:	01/23/20

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: FORMER WOLLENSACK OPTICAL
Project Number: 2182207

Lab Number: L1960377
Report Date: 01/23/20

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1960377-01	DIS-01-121719	SOIL	872 HUDSON AVE, ROCHESTER, NY	12/17/19 11:00	12/17/19
L1960377-02	DIS-02-121719	SOIL	872 HUDSON AVE, ROCHESTER, NY	12/17/19 11:30	12/17/19
L1960377-03	COMP-01-121719	SOIL	872 HUDSON AVE, ROCHESTER, NY	12/17/19 12:00	12/17/19

Project Name:	FORMER WOLLENSACK OPTICAL	**Lab Number:**	L1960377
Project Number:	2182207	**Report Date:**	01/23/20

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	FORMER WOLLENSACK OPTICAL	**Lab Number:**	L1960377
Project Number:	2182207	**Report Date:**	01/23/20

Case Narrative (continued)

Report Submission

January 23, 2020: This final report includes the results of all requested analyses.

December 24, 2019: This is a preliminary report.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Total Metals

L1960377-03: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Kelly Stenstrom

Title: Technical Director/Representative Date: 01/23/20

ORGANICS

VOLATILES

Project Name: FORMER WOLLENSACK OPTICAL **Lab Number:** L1960377

Project Number: 2182207 **Report Date:** 01/23/20

SAMPLE RESULTS

Lab ID: L1960377-01
Client ID: DIS-01-121719
Sample Location: 872 HUDSON AVE, ROCHESTER, NY

Date Collected: 12/17/19 11:00
Date Received: 12/17/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 12/23/19 10:14
Analyst: JC
Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.3	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.15	1
Chloroform	0.15	J	ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.0	0.24	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.13	1
Dibromochloromethane	ND		ug/kg	1.0	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.28	1
Tetrachloroethene	ND		ug/kg	0.53	0.21	1
Chlorobenzene	ND		ug/kg	0.53	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.2	0.73	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.27	1
1,1,1-Trichloroethane	ND		ug/kg	0.53	0.18	1
Bromodichloromethane	ND		ug/kg	0.53	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.29	1
cis-1,3-Dichloropropene	ND		ug/kg	0.53	0.17	1
Bromoform	ND		ug/kg	4.2	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.53	0.17	1
Benzene	ND		ug/kg	0.53	0.17	1
Toluene	ND		ug/kg	1.0	0.57	1
Ethylbenzene	ND		ug/kg	1.0	0.15	1
Chloromethane	ND		ug/kg	4.2	0.98	1
Bromomethane	ND		ug/kg	2.1	0.61	1
Vinyl chloride	ND		ug/kg	1.0	0.35	1
Chloroethane	ND		ug/kg	2.1	0.48	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.25	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.14	1
Trichloroethene	2.3		ug/kg	0.53	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.1	0.15	1

Project Name: FORMER WOLLENSACK OPTICAL **Lab Number:** L1960377

Project Number: 2182207 **Report Date:** 01/23/20

SAMPLE RESULTS

Lab ID: L1960377-01 Date Collected: 12/17/19 11:00

Client ID: DIS-01-121719 Date Received: 12/17/19

Sample Location: 872 HUDSON AVE, ROCHESTER, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	2.1	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.1	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.21	1
p/m-Xylene	ND		ug/kg	2.1	0.59	1
o-Xylene	ND		ug/kg	1.0	0.31	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18	1
Styrene	ND		ug/kg	1.0	0.21	1
Dichlorodifluoromethane	ND		ug/kg	10	0.96	1
Acetone	35		ug/kg	10	5.1	1
Carbon disulfide	ND		ug/kg	10	4.8	1
2-Butanone	4.2	J	ug/kg	10	2.3	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.1	0.22	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.29	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.2	1.0	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.1	0.34	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.1	0.29	1
Methyl Acetate	ND		ug/kg	4.2	1.0	1
Cyclohexane	ND		ug/kg	10	0.57	1
1,4-Dioxane	ND		ug/kg	84	37.	1
Freon-113	ND		ug/kg	4.2	0.73	1
Methyl cyclohexane	ND		ug/kg	4.2	0.63	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/kg	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	102		70-130

Project Name: FORMER WOLLENSACK OPTICAL **Lab Number:** L1960377

Project Number: 2182207 **Report Date:** 01/23/20

SAMPLE RESULTS

Lab ID: L1960377-02 Date Collected: 12/17/19 11:30
Client ID: DIS-02-121719 Date Received: 12/17/19
Sample Location: 872 HUDSON AVE, ROCHESTER, NY Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 12/23/19 10:39
Analyst: JC
Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	6.0	2.7	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.17	1
Chloroform	ND		ug/kg	1.8	0.17	1
Carbon tetrachloride	ND		ug/kg	1.2	0.27	1
1,2-Dichloropropane	ND		ug/kg	1.2	0.15	1
Dibromochloromethane	ND		ug/kg	1.2	0.17	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.32	1
Tetrachloroethene	0.53	J	ug/kg	0.60	0.23	1
Chlorobenzene	ND		ug/kg	0.60	0.15	1
Trichlorofluoromethane	ND		ug/kg	4.8	0.83	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.31	1
1,1,1-Trichloroethane	ND		ug/kg	0.60	0.20	1
Bromodichloromethane	ND		ug/kg	0.60	0.13	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.32	1
cis-1,3-Dichloropropene	ND		ug/kg	0.60	0.19	1
Bromoform	ND		ug/kg	4.8	0.29	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.60	0.20	1
Benzene	ND		ug/kg	0.60	0.20	1
Toluene	1.3		ug/kg	1.2	0.65	1
Ethylbenzene	1.2		ug/kg	1.2	0.17	1
Chloromethane	ND		ug/kg	4.8	1.1	1
Bromomethane	ND		ug/kg	2.4	0.69	1
Vinyl chloride	ND		ug/kg	1.2	0.40	1
Chloroethane	ND		ug/kg	2.4	0.54	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.28	1
trans-1,2-Dichloroethene	0.25	J	ug/kg	1.8	0.16	1
Trichloroethene	140		ug/kg	0.60	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	2.4	0.17	1

Project Name: FORMER WOLLENSACK OPTICAL **Lab Number:** L1960377

Project Number: 2182207 **Report Date:** 01/23/20

SAMPLE RESULTS

Lab ID: L1960377-02 Date Collected: 12/17/19 11:30

Client ID: DIS-02-121719 Date Received: 12/17/19

Sample Location: 872 HUDSON AVE, ROCHESTER, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	2.4	0.18	1
1,4-Dichlorobenzene	ND		ug/kg	2.4	0.20	1
Methyl tert butyl ether	ND		ug/kg	2.4	0.24	1
p/m-Xylene	3.9		ug/kg	2.4	0.67	1
o-Xylene	2.1		ug/kg	1.2	0.35	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.21	1
Styrene	ND		ug/kg	1.2	0.23	1
Dichlorodifluoromethane	ND		ug/kg	12	1.1	1
Acetone	14		ug/kg	12	5.7	1
Carbon disulfide	ND		ug/kg	12	5.4	1
2-Butanone	ND		ug/kg	12	2.6	1
4-Methyl-2-pentanone	ND		ug/kg	12	1.5	1
2-Hexanone	ND		ug/kg	12	1.4	1
Bromochloromethane	ND		ug/kg	2.4	0.24	1
1,2-Dibromoethane	ND		ug/kg	1.2	0.33	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.6	1.2	1
Isopropylbenzene	ND		ug/kg	1.2	0.13	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.4	0.38	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.4	0.32	1
Methyl Acetate	ND		ug/kg	4.8	1.1	1
Cyclohexane	ND		ug/kg	12	0.65	1
1,4-Dioxane	ND		ug/kg	96	42.	1
Freon-113	ND		ug/kg	4.8	0.83	1
Methyl cyclohexane	1.3	J	ug/kg	4.8	0.72	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/kg	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	103		70-130

Project Name: FORMER WOLLENSACK OPTICAL **Lab Number:** L1960377

Project Number: 2182207 **Report Date:** 01/23/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/23/19 07:19
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-02 Batch: WG1324208-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15

Project Name: FORMER WOLLENSACK OPTICAL **Lab Number:** L1960377

Project Number: 2182207 **Report Date:** 01/23/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/23/19 07:19
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-02 Batch: WG1324208-5					
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	0.25	J	ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Isopropylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
Methyl Acetate	ND		ug/kg	4.0	0.95
Cyclohexane	ND		ug/kg	10	0.54
1,4-Dioxane	ND		ug/kg	80	35.
Freon-113	ND		ug/kg	4.0	0.69
Methyl cyclohexane	ND		ug/kg	4.0	0.60

Tentatively Identified Compounds		
No Tentatively Identified Compounds	ND	ug/kg

Project Name: FORMER WOLLENSACK OPTICAL **Lab Number:** L1960377

Project Number: 2182207 **Report Date:** 01/23/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/23/19 07:19
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-02 Batch: WG1324208-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	93		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: FORMER WOLLENSACK OPTICAL
Project Number: 2182207
Lab Number: L1960377
Report Date: 01/23/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-02 Batch: WG1324208-3 WG1324208-4								
Methylene chloride	89		88		70-130	1		30
1,1-Dichloroethane	96		95		70-130	1		30
Chloroform	96		94		70-130	2		30
Carbon tetrachloride	105		102		70-130	3		30
1,2-Dichloropropane	97		95		70-130	2		30
Dibromochloromethane	96		97		70-130	1		30
1,1,2-Trichloroethane	91		92		70-130	1		30
Tetrachloroethene	107		106		70-130	1		30
Chlorobenzene	97		97		70-130	0		30
Trichlorofluoromethane	102		99		70-139	3		30
1,2-Dichloroethane	90		89		70-130	1		30
1,1,1-Trichloroethane	102		99		70-130	3		30
Bromodichloromethane	95		94		70-130	1		30
trans-1,3-Dichloropropene	99		99		70-130	0		30
cis-1,3-Dichloropropene	104		103		70-130	1		30
Bromoform	98		99		70-130	1		30
1,1,2,2-Tetrachloroethane	89		89		70-130	0		30
Benzene	99		97		70-130	2		30
Toluene	99		98		70-130	1		30
Ethylbenzene	106		103		70-130	3		30
Chloromethane	92		91		52-130	1		30
Bromomethane	100		95		57-147	5		30
Vinyl chloride	96		92		67-130	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: FORMER WOLLENSACK OPTICAL
Project Number: 2182207
Lab Number: L1960377
Report Date: 01/23/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-02 Batch: WG1324208-3 WG1324208-4								
Chloroethane	91		86		50-151	6		30
1,1-Dichloroethene	105		103		65-135	2		30
trans-1,2-Dichloroethene	103		101		70-130	2		30
Trichloroethene	102		99		70-130	3		30
1,2-Dichlorobenzene	96		97		70-130	1		30
1,3-Dichlorobenzene	98		98		70-130	0		30
1,4-Dichlorobenzene	96		97		70-130	1		30
Methyl tert butyl ether	99		99		66-130	0		30
p/m-Xylene	110		109		70-130	1		30
o-Xylene	109		108		70-130	1		30
cis-1,2-Dichloroethene	102		100		70-130	2		30
Styrene	110		108		70-130	2		30
Dichlorodifluoromethane	98		96		30-146	2		30
Acetone	85		82		54-140	4		30
Carbon disulfide	92		89		59-130	3		30
2-Butanone	91		89		70-130	2		30
4-Methyl-2-pentanone	99		99		70-130	0		30
2-Hexanone	98		96		70-130	2		30
Bromochloromethane	98		98		70-130	0		30
1,2-Dibromoethane	96		97		70-130	1		30
1,2-Dibromo-3-chloropropane	97		98		68-130	1		30
Isopropylbenzene	110		110		70-130	0		30
1,2,3-Trichlorobenzene	103		106		70-130	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: FORMER WOLLENSACK OPTICAL
Project Number: 2182207
Lab Number: L1960377
Report Date: 01/23/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-02 Batch: WG1324208-3 WG1324208-4								
1,2,4-Trichlorobenzene	108		110		70-130	2		30
Methyl Acetate	89		88		51-146	1		30
Cyclohexane	112		110		59-142	2		30
1,4-Dioxane	99		107		65-136	8		30
Freon-113	106		104		50-139	2		30
Methyl cyclohexane	114		111		70-130	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	91		90		70-130
Toluene-d8	98		98		70-130
4-Bromofluorobenzene	100		101		70-130
Dibromofluoromethane	96		97		70-130

SEMIVOLATILES

Project Name: FORMER WOLLENSACK OPTICAL
Project Number: 2182207
Lab Number: L1960377
Report Date: 01/23/20

SAMPLE RESULTS

Lab ID: L1960377-03
Client ID: COMP-01-121719
Sample Location: 872 HUDSON AVE, ROCHESTER, NY

Date Collected: 12/17/19 12:00
Date Received: 12/17/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 12/21/19 18:08
Analyst: IM
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 12/19/19 12:24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	20.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	27.	1
2-Chloronaphthalene	ND		ug/kg	200	20.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	53.	1
2,4-Dinitrotoluene	ND		ug/kg	200	40.	1
2,6-Dinitrotoluene	ND		ug/kg	200	34.	1
Fluoranthene	ND		ug/kg	120	23.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	30.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	34.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	20.	1
Hexachlorobutadiene	ND		ug/kg	200	29.	1
Hexachlorocyclopentadiene	ND		ug/kg	570	180	1
Hexachloroethane	ND		ug/kg	160	32.	1
Isophorone	ND		ug/kg	180	26.	1
Naphthalene	ND		ug/kg	200	24.	1
Nitrobenzene	ND		ug/kg	180	29.	1
NDPA/DPA	ND		ug/kg	160	23.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	31.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	69.	1
Butyl benzyl phthalate	ND		ug/kg	200	50.	1
Di-n-butylphthalate	ND		ug/kg	200	38.	1
Di-n-octylphthalate	ND		ug/kg	200	68.	1
Diethyl phthalate	ND		ug/kg	200	18.	1
Dimethyl phthalate	ND		ug/kg	200	42.	1
Benzo(a)anthracene	ND		ug/kg	120	22.	1
Benzo(a)pyrene	ND		ug/kg	160	48.	1

Project Name: FORMER WOLLENSACK OPTICAL **Lab Number:** L1960377

Project Number: 2182207 **Report Date:** 01/23/20

SAMPLE RESULTS

Lab ID: L1960377-03 Date Collected: 12/17/19 12:00

Client ID: COMP-01-121719 Date Received: 12/17/19

Sample Location: 872 HUDSON AVE, ROCHESTER, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	ND		ug/kg	120	33.	1
Benzo(k)fluoranthene	ND		ug/kg	120	32.	1
Chrysene	46	J	ug/kg	120	21.	1
Acenaphthylene	ND		ug/kg	160	31.	1
Anthracene	ND		ug/kg	120	39.	1
Benzo(ghi)perylene	ND		ug/kg	160	23.	1
Fluorene	ND		ug/kg	200	19.	1
Phenanthrene	32	J	ug/kg	120	24.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	28.	1
Pyrene	24	J	ug/kg	120	20.	1
Biphenyl	ND		ug/kg	450	46.	1
4-Chloroaniline	ND		ug/kg	200	36.	1
2-Nitroaniline	ND		ug/kg	200	38.	1
3-Nitroaniline	ND		ug/kg	200	37.	1
4-Nitroaniline	ND		ug/kg	200	82.	1
Dibenzofuran	ND		ug/kg	200	19.	1
2-Methylnaphthalene	ND		ug/kg	240	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	21.	1
Acetophenone	ND		ug/kg	200	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	38.	1
p-Chloro-m-cresol	ND		ug/kg	200	30.	1
2-Chlorophenol	ND		ug/kg	200	23.	1
2,4-Dichlorophenol	ND		ug/kg	180	32.	1
2,4-Dimethylphenol	ND		ug/kg	200	66.	1
2-Nitrophenol	ND		ug/kg	430	75.	1
4-Nitrophenol	ND		ug/kg	280	81.	1
2,4-Dinitrophenol	ND		ug/kg	950	92.	1
4,6-Dinitro-o-cresol	ND		ug/kg	520	95.	1
Pentachlorophenol	ND		ug/kg	160	44.	1
Phenol	ND		ug/kg	200	30.	1
2-Methylphenol	ND		ug/kg	200	31.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	31.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	38.	1
Carbazole	ND		ug/kg	200	19.	1
Atrazine	ND		ug/kg	160	70.	1
Benzaldehyde	ND		ug/kg	260	54.	1

Project Name: FORMER WOLLENSACK OPTICAL **Lab Number:** L1960377

Project Number: 2182207 **Report Date:** 01/23/20

SAMPLE RESULTS

Lab ID: L1960377-03 Date Collected: 12/17/19 12:00

Client ID: COMP-01-121719 Date Received: 12/17/19

Sample Location: 872 HUDSON AVE, ROCHESTER, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	200	60.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	200	40.	1
1,4-Dioxane	ND		ug/kg	30	9.1	1
Tentatively Identified Compounds						
Total TIC Compounds	162	J	ug/kg			1
Unknown Alkane	162	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	96		25-120
Phenol-d6	96		10-120
Nitrobenzene-d5	79		23-120
2-Fluorobiphenyl	70		30-120
2,4,6-Tribromophenol	96		10-136
4-Terphenyl-d14	67		18-120

Project Name: FORMER WOLLENSACK OPTICAL
Lab Number: L1960377
Project Number: 2182207
Report Date: 01/23/20

SAMPLE RESULTS

Lab ID: L1960377-03
Client ID: COMP-01-121719
Sample Location: 872 HUDSON AVE, ROCHESTER, NY

Date Collected: 12/17/19 12:00
Date Received: 12/17/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 01/22/20 23:13
Analyst: JW
Percent Solids: 83%

Extraction Method: ALPHA 23528
Extraction Date: 12/27/19 11:22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	0.030	J	ug/kg	1.10	0.025	1
Perfluoropentanoic Acid (PFPeA)	ND		ug/kg	1.10	0.051	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ug/kg	1.10	0.043	1
Perfluorohexanoic Acid (PFHxA)	ND		ug/kg	1.10	0.058	1
Perfluoroheptanoic Acid (PFHpA)	ND		ug/kg	1.10	0.050	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ug/kg	1.10	0.067	1
Perfluorooctanoic Acid (PFOA)	0.061	J	ug/kg	1.10	0.046	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ug/kg	1.10	0.198	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ug/kg	1.10	0.151	1
Perfluorononanoic Acid (PFNA)	ND		ug/kg	1.10	0.083	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ug/kg	1.10	0.144	1
Perfluorodecanoic Acid (PFDA)	ND		ug/kg	1.10	0.074	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ug/kg	1.10	0.317	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ug/kg	1.10	0.223	1
Perfluoroundecanoic Acid (PFUnA)	ND		ug/kg	1.10	0.052	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ug/kg	1.10	0.169	1
Perfluorooctanesulfonamide (FOSA)	ND		ug/kg	1.10	0.108	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ug/kg	1.10	0.093	1
Perfluorododecanoic Acid (PFDoA)	ND		ug/kg	1.10	0.077	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ug/kg	1.10	0.226	1
Perfluorotetradecanoic Acid (PFTA)	ND		ug/kg	1.10	0.060	1
PFOA/PFOS, Total	0.061	J	ug/kg	1.10	0.046	1

Project Name: FORMER WOLLENSACK OPTICAL **Lab Number:** L1960377

Project Number: 2182207 **Report Date:** 01/23/20

SAMPLE RESULTS

Lab ID: L1960377-03 Date Collected: 12/17/19 12:00

Client ID: COMP-01-121719 Date Received: 12/17/19

Sample Location: 872 HUDSON AVE, ROCHESTER, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	94		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	95		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	88		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	87		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	94		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	98		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	95		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	93		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	98		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	93		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	97		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	101		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	53		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	105		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	15		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	67		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	87		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	81		26-160

Project Name: FORMER WOLLENSACK OPTICAL **Lab Number:** L1960377

Project Number: 2182207 **Report Date:** 01/23/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 12/19/19 18:01
Analyst: ALS

Extraction Method: EPA 3546
Extraction Date: 12/18/19 18:43

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG1322459-1					
Acenaphthene	ND		ug/kg	130	17.
Hexachlorobenzene	ND		ug/kg	100	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	100	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	18.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	17.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	27.
Isophorone	ND		ug/kg	150	22.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	26.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	57.
Butyl benzyl phthalate	ND		ug/kg	160	42.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.
Dimethyl phthalate	ND		ug/kg	160	35.
Benzo(a)anthracene	ND		ug/kg	100	19.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	100	28.

Project Name: FORMER WOLLENSACK OPTICAL **Lab Number:** L1960377

Project Number: 2182207 **Report Date:** 01/23/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 12/19/19 18:01
Analyst: ALS

Extraction Method: EPA 3546
Extraction Date: 12/18/19 18:43

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG1322459-1					
Benzo(k)fluoranthene	ND		ug/kg	100	26.
Chrysene	ND		ug/kg	100	17.
Acenaphthylene	ND		ug/kg	130	26.
Anthracene	ND		ug/kg	100	32.
Benzo(ghi)perylene	ND		ug/kg	130	20.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	100	20.
Dibenzo(a,h)anthracene	ND		ug/kg	100	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	100	16.
Biphenyl	ND		ug/kg	380	38.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	69.
Dibenzofuran	ND		ug/kg	160	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	100	31.
p-Chloro-m-cresol	ND		ug/kg	160	25.
2-Chlorophenol	ND		ug/kg	160	20.
2,4-Dichlorophenol	ND		ug/kg	150	27.
2,4-Dimethylphenol	ND		ug/kg	160	55.
2-Nitrophenol	ND		ug/kg	360	62.
4-Nitrophenol	ND		ug/kg	230	68.
2,4-Dinitrophenol	ND		ug/kg	800	77.
4,6-Dinitro-o-cresol	ND		ug/kg	430	80.
Pentachlorophenol	ND		ug/kg	130	36.

Project Name: FORMER WOLLENSACK OPTICAL
Project Number: 2182207
Lab Number: L1960377
Report Date: 01/23/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 12/19/19 18:01
Analyst: ALS

Extraction Method: EPA 3546
Extraction Date: 12/18/19 18:43

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG1322459-1					
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	26.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	32.
Carbazole	ND		ug/kg	160	16.
Atrazine	ND		ug/kg	130	58.
Benzaldehyde	ND		ug/kg	220	45.
Caprolactam	ND		ug/kg	160	50.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	34.
1,4-Dioxane	ND		ug/kg	25	7.6
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/kg		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	79		25-120
Phenol-d6	79		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	71		30-120
2,4,6-Tribromophenol	89		10-136
4-Terphenyl-d14	74		18-120

Project Name: FORMER WOLLENSACK OPTICAL **Lab Number:** L1960377

Project Number: 2182207 **Report Date:** 01/23/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 01/17/20 09:23
Analyst: JW

Extraction Method: ALPHA 23528
Extraction Date: 12/27/19 11:22

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 03 Batch: WG1325203-1					
Perfluorobutanoic Acid (PFBA)	0.040	J	ug/kg	1.00	0.023
Perfluoropentanoic Acid (PFPeA)	ND		ug/kg	1.00	0.046
Perfluorobutanesulfonic Acid (PFBS)	ND		ug/kg	1.00	0.039
Perfluorohexanoic Acid (PFHxA)	ND		ug/kg	1.00	0.053
Perfluoroheptanoic Acid (PFHpA)	ND		ug/kg	1.00	0.045
Perfluorohexanesulfonic Acid (PFHxS)	ND		ug/kg	1.00	0.061
Perfluorooctanoic Acid (PFOA)	ND		ug/kg	1.00	0.042
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ug/kg	1.00	0.180
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ug/kg	1.00	0.136
Perfluorononanoic Acid (PFNA)	ND		ug/kg	1.00	0.075
Perfluorooctanesulfonic Acid (PFOS)	ND		ug/kg	1.00	0.130
Perfluorodecanoic Acid (PFDA)	ND		ug/kg	1.00	0.067
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ug/kg	1.00	0.287
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ug/kg	1.00	0.202
Perfluoroundecanoic Acid (PFUnA)	ND		ug/kg	1.00	0.047
Perfluorodecanesulfonic Acid (PFDS)	ND		ug/kg	1.00	0.153
Perfluorooctanesulfonamide (FOSA)	ND		ug/kg	1.00	0.098
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	0.256	J	ug/kg	1.00	0.085
Perfluorododecanoic Acid (PFDoA)	ND		ug/kg	1.00	0.070
Perfluorotridecanoic Acid (PFTrDA)	ND		ug/kg	1.00	0.204
Perfluorotetradecanoic Acid (PFTA)	ND		ug/kg	1.00	0.054
PFOA/PFOS, Total	ND		ug/kg	1.00	0.042

Project Name: FORMER WOLLENSACK OPTICAL
Project Number: 2182207
Lab Number: L1960377
Report Date: 01/23/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 01/17/20 09:23
Analyst: JW

Extraction Method: ALPHA 23528
Extraction Date: 12/27/19 11:22

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 03 Batch: WG1325203-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	92		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	110		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	98		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	87		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	95		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	107		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	97		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	129		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	102		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	101		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	98		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	129		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	96		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	105		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	23		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	100		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	94		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	78		26-160

Lab Control Sample Analysis
Batch Quality Control

Project Name: FORMER WOLLENSACK OPTICAL
Project Number: 2182207
Lab Number: L1960377
Report Date: 01/23/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG1322459-2 WG1322459-3								
Acenaphthene	85		90		31-137	6		50
Hexachlorobenzene	92		100		40-140	8		50
Bis(2-chloroethyl)ether	82		75		40-140	9		50
2-Chloronaphthalene	85		86		40-140	1		50
3,3'-Dichlorobenzidine	60		68		40-140	13		50
2,4-Dinitrotoluene	99		110		40-132	11		50
2,6-Dinitrotoluene	98		101		40-140	3		50
Fluoranthene	87		96		40-140	10		50
4-Chlorophenyl phenyl ether	84		89		40-140	6		50
4-Bromophenyl phenyl ether	89		96		40-140	8		50
Bis(2-chloroisopropyl)ether	71		63		40-140	12		50
Bis(2-chloroethoxy)methane	84		79		40-117	6		50
Hexachlorobutadiene	81		76		40-140	6		50
Hexachlorocyclopentadiene	88		86		40-140	2		50
Hexachloroethane	81		73		40-140	10		50
Isophorone	86		83		40-140	4		50
Naphthalene	87		84		40-140	4		50
Nitrobenzene	83		77		40-140	8		50
NDPA/DPA	89		95		36-157	7		50
n-Nitrosodi-n-propylamine	83		81		32-121	2		50
Bis(2-ethylhexyl)phthalate	84		88		40-140	5		50
Butyl benzyl phthalate	93		102		40-140	9		50
Di-n-butylphthalate	94		102		40-140	8		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: FORMER WOLLENSACK OPTICAL
Project Number: 2182207

Lab Number: L1960377
Report Date: 01/23/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG1322459-2 WG1322459-3								
Di-n-octylphthalate	95		101		40-140	6		50
Diethyl phthalate	84		91		40-140	8		50
Dimethyl phthalate	88		93		40-140	6		50
Benzo(a)anthracene	91		95		40-140	4		50
Benzo(a)pyrene	83		91		40-140	9		50
Benzo(b)fluoranthene	93		101		40-140	8		50
Benzo(k)fluoranthene	79		87		40-140	10		50
Chrysene	78		87		40-140	11		50
Acenaphthylene	91		90		40-140	1		50
Anthracene	87		95		40-140	9		50
Benzo(ghi)perylene	96		103		40-140	7		50
Fluorene	90		97		40-140	7		50
Phenanthrene	84		92		40-140	9		50
Dibenzo(a,h)anthracene	100		106		40-140	6		50
Indeno(1,2,3-cd)pyrene	100		113		40-140	12		50
Pyrene	84		92		35-142	9		50
Biphenyl	92		93		37-127	1		50
4-Chloroaniline	82		82		40-140	0		50
2-Nitroaniline	104		108		47-134	4		50
3-Nitroaniline	66		74		26-129	11		50
4-Nitroaniline	86		92		41-125	7		50
Dibenzofuran	88		95		40-140	8		50
2-Methylnaphthalene	86		88		40-140	2		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER WOLLENSACK OPTICAL

Project Number: 2182207

Lab Number: L1960377

Report Date: 01/23/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG1322459-2 WG1322459-3								
1,2,4,5-Tetrachlorobenzene	93		93		40-117	0		50
Acetophenone	92		86		14-144	7		50
2,4,6-Trichlorophenol	100		104		30-130	4		50
p-Chloro-m-cresol	93		97		26-103	4		50
2-Chlorophenol	101		92		25-102	9		50
2,4-Dichlorophenol	100		99		30-130	1		50
2,4-Dimethylphenol	91		87		30-130	4		50
2-Nitrophenol	103		96		30-130	7		50
4-Nitrophenol	93		96		11-114	3		50
2,4-Dinitrophenol	68		68		4-130	0		50
4,6-Dinitro-o-cresol	111		120		10-130	8		50
Pentachlorophenol	97		107		17-109	10		50
Phenol	90		84		26-90	7		50
2-Methylphenol	98		94		30-130.	4		50
3-Methylphenol/4-Methylphenol	96		94		30-130	2		50
2,4,5-Trichlorophenol	98		104		30-130	6		50
Carbazole	90		97		54-128	7		50
Atrazine	89		98		40-140	10		50
Benzaldehyde	99		84		40-140	16		50
Caprolactam	96		102		15-130	6		50
2,3,4,6-Tetrachlorophenol	94		102		40-140	8		50
1,4-Dioxane	75		67		40-140	11		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER WOLLENSACK OPTICAL

Project Number: 2182207

Lab Number: L1960377

Report Date: 01/23/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG1322459-2 WG1322459-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	95		85		25-120
Phenol-d6	97		91		10-120
Nitrobenzene-d5	82		78		23-120
2-Fluorobiphenyl	81		80		30-120
2,4,6-Tribromophenol	100		109		10-136
4-Terphenyl-d14	84		88		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: FORMER WOLLENSACK OPTICAL
Project Number: 2182207
Lab Number: L1960377
Report Date: 01/23/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 03 Batch: WG1325203-2 WG1325203-3								
Perfluorobutanoic Acid (PFBA)	106		103		71-135	3		30
Perfluoropentanoic Acid (PFPeA)	112		108		69-132	4		30
Perfluorobutanesulfonic Acid (PFBS)	110		106		72-128	4		30
Perfluorohexanoic Acid (PFHxA)	110		105		70-132	5		30
Perfluoroheptanoic Acid (PFHpA)	103		102		71-131	1		30
Perfluorohexanesulfonic Acid (PFHxS)	106		100		67-130	6		30
Perfluorooctanoic Acid (PFOA)	113		109		69-133	4		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	117		126		64-140	7		30
Perfluoroheptanesulfonic Acid (PFHpS)	104		113		70-132	8		30
Perfluorononanoic Acid (PFNA)	108		107		72-129	1		30
Perfluorooctanesulfonic Acid (PFOS)	106		108		68-136	2		30
Perfluorodecanoic Acid (PFDA)	106		104		69-133	2		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	116		132		65-137	13		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	115		111		63-144	4		30
Perfluoroundecanoic Acid (PFUnA)	115		104		64-136	10		30
Perfluorodecanesulfonic Acid (PFDS)	107		116		59-134	8		30
Perfluorooctanesulfonamide (FOSA)	106		122		67-137	14		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	108		103		61-139	5		30
Perfluorododecanoic Acid (PFDoA)	109		108		69-135	1		30
Perfluorotridecanoic Acid (PFTrDA)	118		108		66-139	9		30
Perfluorotetradecanoic Acid (PFTA)	110		107		69-133	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER WOLLENSACK OPTICAL

Project Number: 2182207

Lab Number: L1960377

Report Date: 01/23/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 03 Batch: WG1325203-2 WG1325203-3

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	89		90		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	102		103		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	93		93		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	79		83		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	88		90		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	101		99		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	90		94		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	117		109		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	95		96		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	99		95		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	91		91		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	127		119		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	93		87		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	95		101		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	21		17		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	89		91		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	90		94		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	79		82		26-160

PCBS

Project Name: FORMER WOLLENSACK OPTICAL
Project Number: 2182207
Lab Number: L1960377
Report Date: 01/23/20

SAMPLE RESULTS

Lab ID: L1960377-03
Client ID: COMP-01-121719
Sample Location: 872 HUDSON AVE, ROCHESTER, NY

Date Collected: 12/17/19 12:00
Date Received: 12/17/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/20/19 03:32
Analyst: KB
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 12/19/19 09:52
Cleanup Method: EPA 3665A
Cleanup Date: 12/19/19
Cleanup Method: EPA 3660B
Cleanup Date: 12/19/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	38.4	3.41	1	A
Aroclor 1221	ND		ug/kg	38.4	3.85	1	A
Aroclor 1232	ND		ug/kg	38.4	8.15	1	A
Aroclor 1242	ND		ug/kg	38.4	5.18	1	A
Aroclor 1248	ND		ug/kg	38.4	5.77	1	A
Aroclor 1254	ND		ug/kg	38.4	4.21	1	A
Aroclor 1260	ND		ug/kg	38.4	7.10	1	A
Aroclor 1262	ND		ug/kg	38.4	4.88	1	A
Aroclor 1268	ND		ug/kg	38.4	3.98	1	A
PCBs, Total	ND		ug/kg	38.4	3.41	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	57		30-150	A
Decachlorobiphenyl	69		30-150	A
2,4,5,6-Tetrachloro-m-xylene	55		30-150	B
Decachlorobiphenyl	70		30-150	B

Project Name: FORMER WOLLENSACK OPTICAL
Project Number: 2182207
Lab Number: L1960377
Report Date: 01/23/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 12/18/19 23:06
Analyst: KB

Extraction Method: EPA 3546
Extraction Date: 12/18/19 13:26
Cleanup Method: EPA 3665A
Cleanup Date: 12/18/19
Cleanup Method: EPA 3660B
Cleanup Date: 12/18/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 03 Batch: WG1322305-1						
Aroclor 1016	ND		ug/kg	32.0	2.84	A
Aroclor 1221	ND		ug/kg	32.0	3.20	A
Aroclor 1232	ND		ug/kg	32.0	6.78	A
Aroclor 1242	ND		ug/kg	32.0	4.31	A
Aroclor 1248	ND		ug/kg	32.0	4.80	A
Aroclor 1254	ND		ug/kg	32.0	3.50	A
Aroclor 1260	ND		ug/kg	32.0	5.91	A
Aroclor 1262	ND		ug/kg	32.0	4.06	A
Aroclor 1268	ND		ug/kg	32.0	3.31	A
PCBs, Total	ND		ug/kg	32.0	2.84	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	90		30-150	A
Decachlorobiphenyl	87		30-150	A
2,4,5,6-Tetrachloro-m-xylene	95		30-150	B
Decachlorobiphenyl	99		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER WOLLENSACK OPTICAL

Project Number: 2182207

Lab Number: L1960377

Report Date: 01/23/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 03 Batch: WG1322305-2 WG1322305-3									
Aroclor 1016	68		76		40-140	11		50	A
Aroclor 1260	62		68		40-140	9		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		89		30-150	A
Decachlorobiphenyl	78		87		30-150	A
2,4,5,6-Tetrachloro-m-xylene	85		93		30-150	B
Decachlorobiphenyl	88		98		30-150	B

PESTICIDES

Project Name: FORMER WOLLENSACK OPTICAL
Project Number: 2182207
Lab Number: L1960377
Report Date: 01/23/20

SAMPLE RESULTS

Lab ID: L1960377-03
Client ID: COMP-01-121719
Sample Location: 872 HUDSON AVE, ROCHESTER, NY

Date Collected: 12/17/19 12:00
Date Received: 12/17/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 12/20/19 08:06
Analyst: SM
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 12/19/19 11:17
Cleanup Method: EPA 3620B
Cleanup Date: 12/20/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.87	0.366	1	A
Lindane	ND		ug/kg	0.780	0.349	1	A
Alpha-BHC	ND		ug/kg	0.780	0.222	1	A
Beta-BHC	ND		ug/kg	1.87	0.710	1	A
Heptachlor	ND		ug/kg	0.936	0.420	1	A
Aldrin	ND		ug/kg	1.87	0.659	1	A
Heptachlor epoxide	ND		ug/kg	3.51	1.05	1	A
Endrin	ND		ug/kg	0.780	0.320	1	A
Endrin aldehyde	ND		ug/kg	2.34	0.819	1	A
Endrin ketone	ND		ug/kg	1.87	0.482	1	A
Dieldrin	ND		ug/kg	1.17	0.585	1	A
4,4'-DDE	1.15	J	ug/kg	1.87	0.433	1	B
4,4'-DDD	ND		ug/kg	1.87	0.668	1	A
4,4'-DDT	ND		ug/kg	3.51	1.50	1	A
Endosulfan I	ND		ug/kg	1.87	0.442	1	A
Endosulfan II	ND		ug/kg	1.87	0.626	1	A
Endosulfan sulfate	ND		ug/kg	0.780	0.371	1	A
Methoxychlor	ND		ug/kg	3.51	1.09	1	A
Toxaphene	ND		ug/kg	35.1	9.83	1	A
cis-Chlordane	ND		ug/kg	2.34	0.652	1	B
trans-Chlordane	ND	IP	ug/kg	2.34	0.618	1	A
Chlordane	ND		ug/kg	15.2	6.20	1	A

Project Name: FORMER WOLLENSACK OPTICAL **Lab Number:** L1960377

Project Number: 2182207 **Report Date:** 01/23/20

SAMPLE RESULTS

Lab ID: L1960377-03 Date Collected: 12/17/19 12:00

Client ID: COMP-01-121719 Date Received: 12/17/19

Sample Location: 872 HUDSON AVE, ROCHESTER, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	88		30-150	B
Decachlorobiphenyl	70		30-150	B
2,4,5,6-Tetrachloro-m-xylene	60		30-150	A
Decachlorobiphenyl	52		30-150	A

Project Name: FORMER WOLLENSACK OPTICAL
Project Number: 2182207
Lab Number: L1960377
Report Date: 01/23/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 12/20/19 07:12
Analyst: SM

Extraction Method: EPA 3546
Extraction Date: 12/19/19 11:17
Cleanup Method: EPA 3620B
Cleanup Date: 12/20/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 03 Batch: WG1322764-1						
Delta-BHC	ND		ug/kg	1.56	0.306	A
Lindane	ND		ug/kg	0.652	0.291	A
Alpha-BHC	ND		ug/kg	0.652	0.185	A
Beta-BHC	ND		ug/kg	1.56	0.593	A
Heptachlor	ND		ug/kg	0.782	0.351	A
Aldrin	ND		ug/kg	1.56	0.551	A
Heptachlor epoxide	ND		ug/kg	2.93	0.880	A
Endrin	ND		ug/kg	0.652	0.267	A
Endrin aldehyde	ND		ug/kg	1.96	0.684	A
Endrin ketone	ND		ug/kg	1.56	0.403	A
Dieldrin	ND		ug/kg	0.978	0.489	A
4,4'-DDE	ND		ug/kg	1.56	0.362	A
4,4'-DDD	ND		ug/kg	1.56	0.558	A
4,4'-DDT	ND		ug/kg	2.93	1.26	A
Endosulfan I	ND		ug/kg	1.56	0.370	A
Endosulfan II	ND		ug/kg	1.56	0.523	A
Endosulfan sulfate	ND		ug/kg	0.652	0.310	A
Methoxychlor	ND		ug/kg	2.93	0.913	A
Toxaphene	ND		ug/kg	29.3	8.21	A
cis-Chlordane	ND		ug/kg	1.96	0.545	A
trans-Chlordane	ND		ug/kg	1.96	0.516	A
Chlordane	ND		ug/kg	12.7	5.18	A

Project Name: FORMER WOLLENSACK OPTICAL
Project Number: 2182207
Lab Number: L1960377
Report Date: 01/23/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 12/20/19 07:12
Analyst: SM

Extraction Method: EPA 3546
Extraction Date: 12/19/19 11:17
Cleanup Method: EPA 3620B
Cleanup Date: 12/20/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 03 Batch: WG1322764-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	92		30-150	B
Decachlorobiphenyl	88		30-150	B
2,4,5,6-Tetrachloro-m-xylene	88		30-150	A
Decachlorobiphenyl	85		30-150	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: FORMER WOLLENSACK OPTICAL
Project Number: 2182207
Lab Number: L1960377
Report Date: 01/23/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 03 Batch: WG1322764-2 WG1322764-3									
Delta-BHC	80		92		30-150	14		30	A
Lindane	78		89		30-150	13		30	A
Alpha-BHC	79		89		30-150	12		30	A
Beta-BHC	74		82		30-150	10		30	A
Heptachlor	76		90		30-150	17		30	A
Aldrin	79		91		30-150	14		30	A
Heptachlor epoxide	76		88		30-150	15		30	A
Endrin	82		94		30-150	14		30	A
Endrin aldehyde	58		64		30-150	10		30	A
Endrin ketone	80		88		30-150	10		30	A
Dieldrin	84		98		30-150	15		30	A
4,4'-DDE	79		92		30-150	15		30	A
4,4'-DDD	80		92		30-150	14		30	A
4,4'-DDT	82		93		30-150	13		30	A
Endosulfan I	75		86		30-150	14		30	A
Endosulfan II	76		86		30-150	12		30	A
Endosulfan sulfate	58		65		30-150	11		30	A
Methoxychlor	74		82		30-150	10		30	A
cis-Chlordane	72		83		30-150	14		30	A
trans-Chlordane	73		84		30-150	14		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER WOLLENSACK OPTICAL

Project Number: 2182207

Lab Number: L1960377

Report Date: 01/23/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 03 Batch: WG1322764-2 WG1322764-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	87		97		30-150	B
Decachlorobiphenyl	88		91		30-150	B
2,4,5,6-Tetrachloro-m-xylene	83		93		30-150	A
Decachlorobiphenyl	81		86		30-150	A

METALS

Project Name: FORMER WOLLENSACK OPTICAL
Lab Number: L1960377
Project Number: 2182207
Report Date: 01/23/20

SAMPLE RESULTS

Lab ID: L1960377-03
Client ID: COMP-01-121719
Sample Location: 872 HUDSON AVE, ROCHESTER, NY
Date Collected: 12/17/19 12:00
Date Received: 12/17/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	3810		mg/kg	9.54	2.58	2	12/18/19 20:26	12/23/19 15:31	EPA 3050B	1,6010D	LC
Antimony, Total	ND		mg/kg	4.77	0.362	2	12/18/19 20:26	12/23/19 15:31	EPA 3050B	1,6010D	LC
Arsenic, Total	4.71		mg/kg	0.954	0.198	2	12/18/19 20:26	12/23/19 15:31	EPA 3050B	1,6010D	LC
Barium, Total	68.2		mg/kg	0.954	0.166	2	12/18/19 20:26	12/23/19 15:31	EPA 3050B	1,6010D	LC
Beryllium, Total	0.191	J	mg/kg	0.477	0.032	2	12/18/19 20:26	12/23/19 15:31	EPA 3050B	1,6010D	LC
Cadmium, Total	0.515	J	mg/kg	0.954	0.094	2	12/18/19 20:26	12/23/19 15:31	EPA 3050B	1,6010D	LC
Calcium, Total	95300		mg/kg	95.4	33.4	20	12/18/19 20:26	12/24/19 01:19	EPA 3050B	1,6010D	LC
Chromium, Total	6.43		mg/kg	0.954	0.092	2	12/18/19 20:26	12/23/19 15:31	EPA 3050B	1,6010D	LC
Cobalt, Total	4.04		mg/kg	1.91	0.158	2	12/18/19 20:26	12/23/19 15:31	EPA 3050B	1,6010D	LC
Copper, Total	10.9		mg/kg	0.954	0.246	2	12/18/19 20:26	12/23/19 15:31	EPA 3050B	1,6010D	LC
Iron, Total	11600		mg/kg	4.77	0.861	2	12/18/19 20:26	12/23/19 15:31	EPA 3050B	1,6010D	LC
Lead, Total	30.2		mg/kg	4.77	0.256	2	12/18/19 20:26	12/23/19 15:31	EPA 3050B	1,6010D	LC
Magnesium, Total	20600		mg/kg	9.54	1.47	2	12/18/19 20:26	12/23/19 15:31	EPA 3050B	1,6010D	LC
Manganese, Total	311		mg/kg	0.954	0.152	2	12/18/19 20:26	12/23/19 15:31	EPA 3050B	1,6010D	LC
Mercury, Total	ND		mg/kg	0.088	0.057	1	12/18/19 22:46	12/19/19 15:31	EPA 7471B	1,7471B	GD
Nickel, Total	8.58		mg/kg	2.38	0.231	2	12/18/19 20:26	12/23/19 15:31	EPA 3050B	1,6010D	LC
Potassium, Total	798		mg/kg	238	13.7	2	12/18/19 20:26	12/23/19 15:31	EPA 3050B	1,6010D	LC
Selenium, Total	ND		mg/kg	1.91	0.246	2	12/18/19 20:26	12/23/19 15:31	EPA 3050B	1,6010D	LC
Silver, Total	ND		mg/kg	0.954	0.270	2	12/18/19 20:26	12/23/19 15:31	EPA 3050B	1,6010D	LC
Sodium, Total	236		mg/kg	191	3.00	2	12/18/19 20:26	12/23/19 15:31	EPA 3050B	1,6010D	LC
Thallium, Total	ND		mg/kg	1.91	0.300	2	12/18/19 20:26	12/23/19 15:31	EPA 3050B	1,6010D	LC
Vanadium, Total	9.21		mg/kg	0.954	0.194	2	12/18/19 20:26	12/23/19 15:31	EPA 3050B	1,6010D	LC
Zinc, Total	21.6		mg/kg	4.77	0.279	2	12/18/19 20:26	12/23/19 15:31	EPA 3050B	1,6010D	LC

Project Name: FORMER WOLLENSACK OPTICAL **Lab Number:** L1960377

Project Number: 2182207 **Report Date:** 01/23/20

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 03 Batch: WG1322461-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	12/18/19 20:26	12/23/19 14:20	1,6010D	LC
Antimony, Total	ND		mg/kg	2.00	0.152	1	12/18/19 20:26	12/23/19 14:20	1,6010D	LC
Arsenic, Total	ND		mg/kg	0.400	0.083	1	12/18/19 20:26	12/23/19 14:20	1,6010D	LC
Barium, Total	ND		mg/kg	0.400	0.070	1	12/18/19 20:26	12/23/19 14:20	1,6010D	LC
Beryllium, Total	ND		mg/kg	0.200	0.013	1	12/18/19 20:26	12/23/19 14:20	1,6010D	LC
Cadmium, Total	ND		mg/kg	0.400	0.039	1	12/18/19 20:26	12/23/19 14:20	1,6010D	LC
Calcium, Total	ND		mg/kg	4.00	1.40	1	12/18/19 20:26	12/23/19 14:20	1,6010D	LC
Chromium, Total	0.184	J	mg/kg	0.400	0.038	1	12/18/19 20:26	12/23/19 14:20	1,6010D	LC
Cobalt, Total	ND		mg/kg	0.800	0.066	1	12/18/19 20:26	12/23/19 14:20	1,6010D	LC
Copper, Total	ND		mg/kg	0.400	0.103	1	12/18/19 20:26	12/23/19 14:20	1,6010D	LC
Iron, Total	1.29	J	mg/kg	2.00	0.361	1	12/18/19 20:26	12/23/19 14:20	1,6010D	LC
Lead, Total	ND		mg/kg	2.00	0.107	1	12/18/19 20:26	12/23/19 14:20	1,6010D	LC
Magnesium, Total	ND		mg/kg	4.00	0.616	1	12/18/19 20:26	12/23/19 14:20	1,6010D	LC
Manganese, Total	ND		mg/kg	0.400	0.064	1	12/18/19 20:26	12/23/19 14:20	1,6010D	LC
Nickel, Total	ND		mg/kg	1.00	0.097	1	12/18/19 20:26	12/23/19 14:20	1,6010D	LC
Potassium, Total	ND		mg/kg	100	5.76	1	12/18/19 20:26	12/23/19 14:20	1,6010D	LC
Selenium, Total	0.204	J	mg/kg	0.800	0.103	1	12/18/19 20:26	12/23/19 14:20	1,6010D	LC
Silver, Total	ND		mg/kg	0.400	0.113	1	12/18/19 20:26	12/23/19 14:20	1,6010D	LC
Sodium, Total	ND		mg/kg	80.0	1.26	1	12/18/19 20:26	12/23/19 14:20	1,6010D	LC
Thallium, Total	ND		mg/kg	0.800	0.126	1	12/18/19 20:26	12/23/19 14:20	1,6010D	LC
Vanadium, Total	ND		mg/kg	0.400	0.081	1	12/18/19 20:26	12/23/19 14:20	1,6010D	LC
Zinc, Total	ND		mg/kg	2.00	0.117	1	12/18/19 20:26	12/23/19 14:20	1,6010D	LC

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 03 Batch: WG1322485-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	12/18/19 22:46	12/19/19 15:12	1,7471B	GD

Project Name: FORMER WOLLENSACK OPTICAL
Project Number: 2182207
Lab Number: L1960377
Report Date: 01/23/20

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER WOLLENSACK OPTICAL

Project Number: 2182207

Lab Number: L1960377

Report Date: 01/23/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 03 Batch: WG1322461-2 SRM Lot Number: D105-540								
Aluminum, Total	77		-		51-149	-		
Antimony, Total	138		-		19-249	-		
Arsenic, Total	104		-		70-130	-		
Barium, Total	102		-		75-125	-		
Beryllium, Total	102		-		75-125	-		
Cadmium, Total	93		-		75-125	-		
Calcium, Total	98		-		73-127	-		
Chromium, Total	105		-		70-130	-		
Cobalt, Total	99		-		75-125	-		
Copper, Total	102		-		75-125	-		
Iron, Total	98		-		38-162	-		
Lead, Total	98		-		71-128	-		
Magnesium, Total	90		-		63-137	-		
Manganese, Total	96		-		76-124	-		
Nickel, Total	99		-		70-131	-		
Potassium, Total	90		-		60-140	-		
Selenium, Total	101		-		63-137	-		
Silver, Total	102		-		69-131	-		
Sodium, Total	105		-		37-162	-		
Thallium, Total	96		-		68-132	-		
Vanadium, Total	100		-		65-135	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER WOLLENSACK OPTICAL

Project Number: 2182207

Lab Number: L1960377

Report Date: 01/23/20

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 03 Batch: WG1322461-2 SRM Lot Number: D105-540					
Zinc, Total	99	-	70-130	-	
Total Metals - Mansfield Lab Associated sample(s): 03 Batch: WG1322485-2 SRM Lot Number: D105-540					
Mercury, Total	99	-	60-141	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: FORMER WOLLENSACK OPTICAL
Project Number: 2182207
Lab Number: L1960377
Report Date: 01/23/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 03 QC Batch ID: WG1322461-3 QC Sample: L1960349-01 Client ID: MS Sample												
Aluminum, Total	694	208	1060	**176**	Q	-	-		75-125	-		20
Antimony, Total	ND	52	49.8	96		-	-		75-125	-		20
Arsenic, Total	ND	12.5	13.5	108		-	-		75-125	-		20
Barium, Total	15.9	208	234	105		-	-		75-125	-		20
Beryllium, Total	ND	5.2	5.32	102		-	-		75-125	-		20
Cadmium, Total	1.19	5.3	6.19	94		-	-		75-125	-		20
Calcium, Total	135	1040	1180	100		-	-		75-125	-		20
Chromium, Total	5.80	20.8	26.3	98		-	-		75-125	-		20
Cobalt, Total	0.201J	52	52.2	100		-	-		75-125	-		20
Copper, Total	119	26	144	96		-	-		75-125	-		20
Iron, Total	1030	104	1020	**0**	Q	-	-		75-125	-		20
Lead, Total	6.81	53	61.4	103		-	-		75-125	-		20
Magnesium, Total	192	1040	1220	99		-	-		75-125	-		20
Manganese, Total	2.93	52	53.7	98		-	-		75-125	-		20
Nickel, Total	1.10J	52	52.7	101		-	-		75-125	-		20
Potassium, Total	69.6J	1040	1110	107		-	-		75-125	-		20
Selenium, Total	0.835J	12.5	13.8	111		-	-		75-125	-		20
Silver, Total	64.2	31.2	187	**394**	Q	-	-		75-125	-		20
Sodium, Total	8.35J	1040	1070	103		-	-		75-125	-		20
Thallium, Total	ND	12.5	12.4	99		-	-		75-125	-		20
Vanadium, Total	1.61	52	54.8	102		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: FORMER WOLLENSACK OPTICAL
Project Number: 2182207

Lab Number: L1960377
Report Date: 01/23/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 03 QC Batch ID: WG1322461-3 QC Sample: L1960349-01 Client ID: MS Sample									
Zinc, Total	101	52	140	75	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 03 QC Batch ID: WG1322485-3 QC Sample: L1960536-01 Client ID: MS Sample									
Mercury, Total	ND	0.138	0.135	98	-	-	80-120	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: FORMER WOLLENSACK OPTICAL
Project Number: 2182207

Lab Number: L1960377
Report Date: 01/23/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 03 QC Batch ID: WG1322461-4 QC Sample: L1960349-01 Client ID: DUP Sample						
Aluminum, Total	694	616	mg/kg	12		20
Antimony, Total	ND	ND	mg/kg	NC		20
Arsenic, Total	ND	ND	mg/kg	NC		20
Barium, Total	15.9	10.9	mg/kg	**37**	Q	20
Beryllium, Total	ND	ND	mg/kg	NC		20
Cadmium, Total	1.19	0.538J	mg/kg	NC		20
Calcium, Total	135	118	mg/kg	13		20
Chromium, Total	5.80	6.27	mg/kg	8		20
Cobalt, Total	0.201J	0.186J	mg/kg	NC		20
Copper, Total	119	82.6	mg/kg	**36**	Q	20
Iron, Total	1030	1040	mg/kg	1		20
Lead, Total	6.81	5.46	mg/kg	**22**	Q	20
Magnesium, Total	192	229	mg/kg	18		20
Manganese, Total	2.93	3.29	mg/kg	12		20
Nickel, Total	1.10J	1.07J	mg/kg	NC		20
Potassium, Total	69.6J	63.9J	mg/kg	NC		20
Selenium, Total	0.835J	1.05J	mg/kg	NC		20
Silver, Total	64.2	61.7	mg/kg	4		20
Sodium, Total	8.35J	5.83J	mg/kg	NC		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: FORMER WOLLENSACK OPTICAL

Project Number: 2182207

Lab Number: L1960377

Report Date: 01/23/20

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 03 QC Batch ID: WG1322461-4 QC Sample: L1960349-01 Client ID: DUP Sample						
Thallium, Total	ND	ND	mg/kg	NC		20
Vanadium, Total	1.61	1.62	mg/kg	1		20
Zinc, Total	101	76.9	mg/kg	**27**	Q	20
Total Metals - Mansfield Lab Associated sample(s): 03 QC Batch ID: WG1322485-4 QC Sample: L1960536-01 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/kg	NC		20

INORGANICS
&
MISCELLANEOUS

Project Name: FORMER WOLLENSACK OPTICAL
Project Number: 2182207
Lab Number: L1960377
Report Date: 01/23/20

SAMPLE RESULTS

Lab ID: L1960377-01
Client ID: DIS-01-121719
Sample Location: 872 HUDSON AVE, ROCHESTER, NY
Sample Depth:
Matrix: Soil

Date Collected: 12/17/19 11:00
Date Received: 12/17/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.2		%	0.100	NA	1	-	12/19/19 13:41	121,2540G	RI

Project Name: FORMER WOLLENSACK OPTICAL
Project Number: 2182207
Lab Number: L1960377
Report Date: 01/23/20

SAMPLE RESULTS

Lab ID: L1960377-02
Client ID: DIS-02-121719
Sample Location: 872 HUDSON AVE, ROCHESTER, NY
Sample Depth:
Matrix: Soil

Date Collected: 12/17/19 11:30
Date Received: 12/17/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.6		%	0.100	NA	1	-	12/19/19 13:41	121,2540G	RI

Project Name: FORMER WOLLENSACK OPTICAL
Project Number: 2182207
Lab Number: L1960377
Report Date: 01/23/20

SAMPLE RESULTS

Lab ID: L1960377-03
Client ID: COMP-01-121719
Sample Location: 872 HUDSON AVE, ROCHESTER, NY
Sample Depth:
Matrix: Soil

Date Collected: 12/17/19 12:00
Date Received: 12/17/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.2		%	0.100	NA	1	-	12/19/19 13:41	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.1	0.23	1	12/20/19 14:15	12/20/19 16:29	1,9010C/9012B	LH

Project Name: FORMER WOLLENSACK OPTICAL
Lab Number: L1960377
Project Number: 2182207
Report Date: 01/23/20

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 03 Batch: WG1323307-1										
Cyanide, Total	ND		mg/kg	0.84	0.18	1	12/20/19 14:15	12/20/19 16:20	1,9010C/9012B	LH

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER WOLLENSACK OPTICAL

Project Number: 2182207

Lab Number: L1960377

Report Date: 01/23/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 03 Batch: WG1323307-2 WG1323307-3								
Cyanide, Total	103		96		80-120	7		35

Matrix Spike Analysis
Batch Quality Control

Project Name: FORMER WOLLENSACK OPTICAL
Project Number: 2182207
Lab Number: L1960377
Report Date: 01/23/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 03 QC Batch ID: WG1323307-4 WG1323307-5 QC Sample: L1961011-02 Client ID: MS Sample												
Cyanide, Total	ND	11	9.9	91		9.2	85		75-125	7		35

Lab Duplicate Analysis

Batch Quality Control

Project Name: FORMER WOLLENSACK OPTICAL

Project Number: 2182207

Lab Number: L1960377

Report Date: 01/23/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1322811-1 QC Sample: L1960338-02 Client ID: DUP Sample						
Solids, Total	72.6	73.1	%	1		20

Project Name: FORMER WOLLENSACK OPTICAL
Project Number: 2182207

Lab Number: L1960377
Report Date: 01/23/20

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1960377-01A	Vial MeOH preserved	A	NA		3.7	Y	Absent		NYTCL-8260HLW-R2(14)
L1960377-01B	Vial water preserved	A	NA		3.7	Y	Absent	18-DEC-19 12:08	NYTCL-8260HLW-R2(14)
L1960377-01C	Vial water preserved	A	NA		3.7	Y	Absent	18-DEC-19 12:08	NYTCL-8260HLW-R2(14)
L1960377-01D	Plastic 2oz unpreserved for TS	A	NA		3.7	Y	Absent		TS(7)
L1960377-02A	Vial MeOH preserved	A	NA		3.7	Y	Absent		NYTCL-8260HLW-R2(14)
L1960377-02B	Vial water preserved	A	NA		3.7	Y	Absent	18-DEC-19 12:08	NYTCL-8260HLW-R2(14)
L1960377-02C	Vial water preserved	A	NA		3.7	Y	Absent	18-DEC-19 12:08	NYTCL-8260HLW-R2(14)
L1960377-02D	Plastic 2oz unpreserved for TS	A	NA		3.7	Y	Absent		TS(7)
L1960377-03A	Plastic 2oz unpreserved for TS	A	NA		3.7	Y	Absent		TS(7)
L1960377-03B	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.7	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),NI-TI(180),AL-TI(180),CR-TI(180),TL-TI(180),CU-TI(180),ZN-TI(180),SE-TI(180),PB-TI(180),SB-TI(180),CO-TI(180),V-TI(180),HG-T(28),MG-TI(180),MN-TI(180),FE-TI(180),CD-TI(180),CA-TI(180),NA-TI(180),K-TI(180)
L1960377-03C	Plastic 8oz unpreserved	A	NA		3.7	Y	Absent		A2-NY-537-ISOTOPE(28)
L1960377-03D	Glass 250ml/8oz unpreserved	A	NA		3.7	Y	Absent		TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)

*Values in parentheses indicate holding time in days

Project Name: FORMER WOLLENSACK OPTICAL
Project Number: 2182207
Lab Number: L1960377
Report Date: 01/23/20

PFAS PARAMETER SUMMARY

Parameter	Acronym	CAS Number
PERFLUOROALKYL CARBOXYLIC ACIDS (PFCAs)		
Perfluorooctadecanoic Acid	PFODA	16517-11-6
Perfluorohexadecanoic Acid	PFHxDA	67905-19-5
Perfluorotetradecanoic Acid	PFTA	376-06-7
Perfluorotridecanoic Acid	PFTrDA	72629-94-8
Perfluorododecanoic Acid	PFDoA	307-55-1
Perfluoroundecanoic Acid	PFUnA	2058-94-8
Perfluorodecanoic Acid	PFDA	335-76-2
Perfluorononanoic Acid	PFNA	375-95-1
Perfluorooctanoic Acid	PFOA	335-67-1
Perfluoroheptanoic Acid	PFHpA	375-85-9
Perfluorohexanoic Acid	PFHxA	307-24-4
Perfluoropentanoic Acid	PFPeA	2706-90-3
Perfluorobutanoic Acid	PFBA	375-22-4
PERFLUOROALKYL SULFONIC ACIDS (PFSAs)		
Perfluorododecanesulfonic Acid	PFDoDS	79780-39-5
Perfluorodecanesulfonic Acid	PFDS	335-77-3
Perfluorononanesulfonic Acid	PFNS	68259-12-1
Perfluorooctanesulfonic Acid	PFOS	1763-23-1
Perfluoroheptanesulfonic Acid	PFHpS	375-92-8
Perfluorohexanesulfonic Acid	PFHxS	355-46-4
Perfluoropentanesulfonic Acid	PFPeS	2706-91-4
Perfluorobutanesulfonic Acid	PFBS	375-73-5
FLUOROTELOMERS		
1H,1H,2H,2H-Perfluorododecanesulfonic Acid	10:2FTS	120226-60-0
1H,1H,2H,2H-Perfluorodecanesulfonic Acid	8:2FTS	39108-34-4
1H,1H,2H,2H-Perfluorooctanesulfonic Acid	6:2FTS	27619-97-2
1H,1H,2H,2H-Perfluorohexanesulfonic Acid	4:2FTS	757124-72-4
PERFLUOROALKANE SULFONAMIDES (FASAs)		
Perfluorooctanesulfonamide	FOSA	754-91-6
N-Ethyl Perfluorooctane Sulfonamide	NEtFOSA	4151-50-2
N-Methyl Perfluorooctane Sulfonamide	NMeFOSA	31506-32-8
PERFLUOROALKANE SULFONYL SUBSTANCES		
N-Ethyl Perfluorooctanesulfonamido Ethanol	NEtFOSE	1691-99-2
N-Methyl Perfluorooctanesulfonamido Ethanol	NMeFOSE	24448-09-7
N-Ethyl Perfluorooctanesulfonamidoacetic Acid	NEtFOSAA	2991-50-6
N-Methyl Perfluorooctanesulfonamidoacetic Acid	NMeFOSAA	2355-31-9
PER- and POLYFLUOROALKYL ETHER CARBOXYLIC ACIDS		
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid	HFPO-DA	13252-13-6
4,8-Dioxa-3h-Perfluorononanoic Acid	ADONA	919005-14-4
CHLORO-PERFLUOROALKYL SULFONIC ACIDS		
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	11Cl-PF3OUdS	763051-92-9
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid	9Cl-PF3ONS	756426-58-1

Project Name:	FORMER WOLLENSACK OPTICAL	**Lab Number:**	L1960377
Project Number:	2182207	**Report Date:**	01/23/20

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

Report Format: DU Report with 'J' Qualifiers

Project Name:	FORMER WOLLENSACK OPTICAL	**Lab Number:**	L1960377
Project Number:	2182207	**Report Date:**	01/23/20

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration

Report Format: DU Report with 'J' Qualifiers

Project Name:	FORMER WOLLENSACK OPTICAL	**Lab Number:**	L1960377
Project Number:	2182207	**Report Date:**	01/23/20

Data Qualifiers

Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Report Format: DU Report with 'J' Qualifiers

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

134 Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS) using Isotope Dilution. Alpha SOP 23528.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 12/18/19

ALPHA Job #: L1960377

Client Information
Client: LABELLA ASSOCIATES
Address: 300 STATE ST
ROCHESTER, NY 14614
Phone: 585-454-6110
Fax: jgillen@labellapc.com
Email: slogan@labellapc.com

Project Information
Project Name: FORMER WOLLENSAK OPTICAL
Project Location: 872 HUDSON AVE, ROCHESTER NY
Project # 2182207
(Use Project name as Project #) ☐
Project Manager: JEN GILLEN
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

TAL

Please specify Metals or TAL.

Deliverables
☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☒ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOC + TICs	TCL SVOC + TICs	PCB	PESTICIDES	CYANIDE	TAL METALS	1,4 DIOXANE	PFAS	Sample Specific Comments	Total Bottle
60377-01	DIS-01-121719	12/17/19	1100	SOIL	SL	X									
-02	DIS-02-121719	↓	1130	↓	↓	X									
-03	COMP-01-121719	↓	1200	↓	↓		X	X	X	X	X	X	X		

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type															
Preservative															

Relinquished By:	Date/Time	Received By:	Date/Time
	12/17/19 1300		12/17/19 1310
	12/17/19 1320		12/18/19 0945

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

May 6, 2020

Charlotte Theobald
NYS Department of Environmental Conservation
6274 East Avon-Lima Road
Avon, New York 14414

RE: APRIL 2020 Monthly Progress Report
Former Wollensack Optical Site – C828209
872 & 886 Hudson Avenue, Rochester, New York
LaBella Project #2182207

Dear Ms. Theobald,

LaBella Associates, D.P.C. ("LaBella") is pleased to submit this Monthly Progress Report (MPR) associated with the New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP) Site (BCP ID No. C828209) located at 872 & 886 Hudson Avenue, Rochester, New York, hereinafter referred to as the "Site." Below is a summary of activities completed in the previous months (APRIL 2020) and planned for this month (MAY 2020).

Activities in Prior Month (APRIL 2020)

Installation of Sub-Grade Piping for Future Injections
The trenching was completed to install horizontal piping beneath the floor slab that will be used for subsequent groundwater treatment events. This includes the installation and connection of the horizontal piping to the treatment wells, backfilling the trenches and the placement of concrete over the trenches. The horizontal piping network was only installed under the 1st floor space and into the basement. The remaining components to be installed include the horizontal piping within the basement to the exterior of the site. This work is anticipated to be completed in May and/or June once other utility installations have been installed within the basement.

The CAMP was implemented during trenching excavations. Pre-characterization soil reuse sampling results from the trenches were forwarded to the NYSDEC. Based on the results, the NYSDEC did not allow reuse of the soil as the concentration of TCE exceeded the Part 375 Soil Cleanup Objective for the Protection of Groundwater. As such, the soil was disposed off-site under a Contained In Use Determination (see below). A CCR or FER will include a summary to document the installation of the sub-grade piping for the groundwater treatment system.

Treatment Well Water Disposal
Approximately 1,499 gallons of the purge and drilling water generated from the installation of the treatment wells was temporarily staged in 55-gallon drums, treated through carbon and then combined into two 1,000 gallon poly tanks on-site. Based on the concentration of Iron detected in the waste characterization samples, the water was disposed off-site at Covanta Environmental Solutions. A CCR or FER will include a summary of the waste disposal information.

Contained In Use Requests

The following request(s) for import, request for reuse, and/or contained-in determinations were approved by the Department in April 2020:

Request Type	Material - Source	NYSDEC Approval Date
Contained-In Determination	Excavated soil from the Installation of Sub-Grade Piping for Future Groundwater Treatment	10-April-2020

A CCR or FER will include a summary of the disposal and applicable documentation.

Activity Modifications

- Additional 4-inch diameter perforated HDPE pipes were installed within the trenches where horizontal piping was installed for the groundwater treatment system in the same manner as the approved design document. This additional piping for the SSDS system was installed to augment the removal of VOC vapors beneath the floor slab over the area where highest concentration of groundwater and soil impacts appear to be present. This modification of the SSDS will be documented in a CCR or FER.
- Some of the horizontal piping/trenching locations shown on Figure 2 of the IRM RAOC #1 Design Document dated January 7, 2020 was modified based on existing site conditions such as interior walls installed adjacent to the treatment wells, handicap ramp, and underground plumbing. The horizontal piping was installed to obtain a ¼ inch per foot pitch to the treatment wells. This modification will be documented in a CCR or FER.

Activities Planned for this Month (MAY)

- Conduct 6-week groundwater monitoring event following the ISCO Reagent application.
- Installation of groundwater treatment system horizontal piping within basement.

Sampling/Testing Results

The following sampling/testing results were received during this reporting period:

- Sampling of soil to be excavated for the installation of sub-grade piping for future groundwater treatment that was not approved for reuse (lab report L2014553)
- Waste characterization/Contained In Determination soil sample for the excavated soil from the installation of sub-grade piping for future groundwater treatment (lab report 201494).

Unresolved Delays Encountered or Anticipated

Unresolved delays have not been encountered nor are they anticipated at this time.

Percentage of Completion

To date, the following key items have been completed as part of the BCP project:

- RIWP Approval
- Interim Site Management Plan submitted to NYSDEC/NYSDOH (pending approval)
- SSDS Work Plan submitted to NYSDEC/NYSDOH (pending approval)
- RI Report Approval
- IRM Work Plan Approval
- IRM RAOC #1 Design Document
- IRM RAOC #1 Implementation – 70%

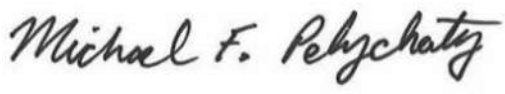
Citizen Participation Plan Activities

No Citizen Participation Plan Activities were undertaken during this reporting report.

If you have any questions or require additional information please do not hesitate to contact me at 585-295-6253.

Respectfully submitted,

LaBella Associates



Michael F. Pelychaty, PG
Sr. Environmental Geologist

Attachments

cc: Carolyn Vitale – Jefferson Wollensack LLC
Amy Reichhart – Nixon Peabody LLP
Chris Roland – Edgemere Development
Arunesh Ghosh – NYSDOH
Justin Deming – NYSDOH
Joseph Biondolillo – City of Rochester DEQ
John Frazer – MCHD
Wade Silkworth – MCHD

I:\Jefferson Wollensack LLC\2182207 - 872 & 886 Hudson Brownfield\Reports\Monthly Progress Reports\2020-04 April\MPR.2020-04.C828209 Jefferson Wollensack April 2020.docx

SAMPLING/TESTING RESULTS

ANALYTICAL REPORT

Lab Number:	L2014550
Client:	LaBella Associates, P.C. 300 State Street Suite 201 Rochester, NY 14614
ATTN:	Mike Pelychaty
Phone:	(585) 295-6253
Project Name:	WOLLENSACK
Project Number:	2182207.13
Report Date:	04/07/20

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: WOLLENSACK
Project Number: 2182207.13

Lab Number: L2014550
Report Date: 04/07/20

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2014550-01	IWTRENCHREUSE-01-C-20200403	SOIL	886 HUDSON AVE., ROCHESTER, NY	04/03/20 12:00	04/03/20
L2014550-02	IWTRENCHREUSE-02-C-20200403	SOIL	886 HUDSON AVE., ROCHESTER, NY	04/03/20 14:30	04/03/20
L2014550-03	DUPE-C-20200403	SOIL	886 HUDSON AVE., ROCHESTER, NY	04/03/20 12:30	04/03/20

Project Name:	WOLLENSACK	**Lab Number:**	L2014550
Project Number:	2182207.13	**Report Date:**	04/07/20

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	WOLLENSACK	**Lab Number:**	L2014550
Project Number:	2182207.13	**Report Date:**	04/07/20

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Perfluorinated Alkyl Acids by Isotope Dilution

WG1358589-2: The LCS recovery, associated with L2014550-01 through -03, is above the acceptance criteria for 1h,1h,2h,2h-perfluorodecanesulfonic acid (8:2fts) (142%); however, the associated samples are non-detect to the RL for this target analyte. The results of the original analysis are reported.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Alycia Mogayzel

Title: Technical Director/Representative Date: 04/07/20

ORGANICS

SEMIVOLATILES

Project Name: WOLLENSACK
Project Number: 2182207.13
Lab Number: L2014550
Report Date: 04/07/20

SAMPLE RESULTS

Lab ID: L2014550-01
Client ID: IWTRENCHREUSE-01-C-20200403
Sample Location: 886 HUDSON AVE., ROCHESTER, NY

Date Collected: 04/03/20 12:00
Date Received: 04/03/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 04/07/20 01:39
Analyst: JW
Percent Solids: 79%

Extraction Method: ALPHA 23528
Extraction Date: 04/06/20 14:10

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	0.036	J	ug/kg	1.21	0.028	1
Perfluoropentanoic Acid (PFPeA)	ND		ug/kg	1.21	0.056	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ug/kg	1.21	0.047	1
Perfluorohexanoic Acid (PFHxA)	0.075	J	ug/kg	1.21	0.064	1
Perfluoroheptanoic Acid (PFHpA)	ND		ug/kg	1.21	0.055	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ug/kg	1.21	0.074	1
Perfluorooctanoic Acid (PFOA)	ND		ug/kg	1.21	0.051	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ug/kg	1.21	0.218	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ug/kg	1.21	0.166	1
Perfluorononanoic Acid (PFNA)	ND		ug/kg	1.21	0.091	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ug/kg	1.21	0.158	1
Perfluorodecanoic Acid (PFDA)	ND		ug/kg	1.21	0.081	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ug/kg	1.21	0.348	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ug/kg	1.21	0.245	1
Perfluoroundecanoic Acid (PFUnA)	ND		ug/kg	1.21	0.057	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ug/kg	1.21	0.186	1
Perfluorooctanesulfonamide (FOSA)	ND		ug/kg	1.21	0.119	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ug/kg	1.21	0.103	1
Perfluorododecanoic Acid (PFDoA)	ND		ug/kg	1.21	0.085	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ug/kg	1.21	0.248	1
Perfluorotetradecanoic Acid (PFTA)	ND		ug/kg	1.21	0.066	1
PFOA/PFOS, Total	ND		ug/kg	1.21	0.051	1

Project Name: WOLLENSACK **Lab Number:** L2014550

Project Number: 2182207.13 **Report Date:** 04/07/20

SAMPLE RESULTS

Lab ID: L2014550-01 Date Collected: 04/03/20 12:00

Client ID: IWTRENCHREUSE-01-C-20200403 Date Received: 04/03/20

Sample Location: 886 HUDSON AVE., ROCHESTER, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	87		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	94		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	88		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	90		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	91		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	94		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	89		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	75		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	93		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	95		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	93		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	81		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	54		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	97		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	12		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	58		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	84		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	77		26-160

Project Name: WOLLENSACK **Lab Number:** L2014550

Project Number: 2182207.13 **Report Date:** 04/07/20

SAMPLE RESULTS

Lab ID: L2014550-02
Client ID: IWTRENCHREUSE-02-C-20200403
Sample Location: 886 HUDSON AVE., ROCHESTER, NY

Date Collected: 04/03/20 14:30
Date Received: 04/03/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 04/07/20 01:56
Analyst: JW
Percent Solids: 81%

Extraction Method: ALPHA 23528
Extraction Date: 04/06/20 14:10

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	0.051	J	ug/kg	1.16	0.026	1
Perfluoropentanoic Acid (PFPeA)	ND		ug/kg	1.16	0.053	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ug/kg	1.16	0.045	1
Perfluorohexanoic Acid (PFHxA)	0.063	J	ug/kg	1.16	0.061	1
Perfluoroheptanoic Acid (PFHpA)	ND		ug/kg	1.16	0.052	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ug/kg	1.16	0.070	1
Perfluorooctanoic Acid (PFOA)	ND		ug/kg	1.16	0.049	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ug/kg	1.16	0.208	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ug/kg	1.16	0.158	1
Perfluorononanoic Acid (PFNA)	ND		ug/kg	1.16	0.087	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ug/kg	1.16	0.151	1
Perfluorodecanoic Acid (PFDA)	ND		ug/kg	1.16	0.078	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ug/kg	1.16	0.333	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ug/kg	1.16	0.234	1
Perfluoroundecanoic Acid (PFUnA)	ND		ug/kg	1.16	0.054	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ug/kg	1.16	0.178	1
Perfluorooctanesulfonamide (FOSA)	ND		ug/kg	1.16	0.114	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ug/kg	1.16	0.098	1
Perfluorododecanoic Acid (PFDoA)	ND		ug/kg	1.16	0.081	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ug/kg	1.16	0.238	1
Perfluorotetradecanoic Acid (PFTA)	ND		ug/kg	1.16	0.063	1
PFOA/PFOS, Total	ND		ug/kg	1.16	0.049	1

Project Name: WOLLENSACK **Lab Number:** L2014550

Project Number: 2182207.13 **Report Date:** 04/07/20

SAMPLE RESULTS

Lab ID: L2014550-02 Date Collected: 04/03/20 14:30

Client ID: IWTRENCHREUSE-02-C-20200403 Date Received: 04/03/20

Sample Location: 886 HUDSON AVE., ROCHESTER, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	94		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	102		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	92		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	93		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	93		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	99		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	95		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	102		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	98		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	91		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	97		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	123		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	76		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	99		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	76		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	76		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	91		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	80		26-160

Project Name: WOLLENSACK
Project Number: 2182207.13
Lab Number: L2014550
Report Date: 04/07/20

SAMPLE RESULTS

Lab ID: L2014550-03
Client ID: DUPE-C-20200403
Sample Location: 886 HUDSON AVE., ROCHESTER, NY

Date Collected: 04/03/20 12:30
Date Received: 04/03/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 04/07/20 02:12
Analyst: JW
Percent Solids: 79%

Extraction Method: ALPHA 23528
Extraction Date: 04/06/20 14:10

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	0.030	J	ug/kg	1.19	0.027	1
Perfluoropentanoic Acid (PFPeA)	ND		ug/kg	1.19	0.055	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ug/kg	1.19	0.046	1
Perfluorohexanoic Acid (PFHxA)	ND		ug/kg	1.19	0.063	1
Perfluoroheptanoic Acid (PFHpA)	ND		ug/kg	1.19	0.054	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ug/kg	1.19	0.072	1
Perfluorooctanoic Acid (PFOA)	ND		ug/kg	1.19	0.050	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ug/kg	1.19	0.214	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ug/kg	1.19	0.162	1
Perfluorononanoic Acid (PFNA)	ND		ug/kg	1.19	0.089	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ug/kg	1.19	0.155	1
Perfluorodecanoic Acid (PFDA)	ND		ug/kg	1.19	0.080	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ug/kg	1.19	0.342	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ug/kg	1.19	0.240	1
Perfluoroundecanoic Acid (PFUnA)	ND		ug/kg	1.19	0.056	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ug/kg	1.19	0.182	1
Perfluorooctanesulfonamide (FOSA)	ND		ug/kg	1.19	0.117	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ug/kg	1.19	0.101	1
Perfluorododecanoic Acid (PFDoA)	ND		ug/kg	1.19	0.083	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ug/kg	1.19	0.244	1
Perfluorotetradecanoic Acid (PFTA)	ND		ug/kg	1.19	0.064	1
PFOA/PFOS, Total	ND		ug/kg	1.19	0.050	1

Project Name: WOLLENSACK **Lab Number:** L2014550

Project Number: 2182207.13 **Report Date:** 04/07/20

SAMPLE RESULTS

Lab ID: L2014550-03 Date Collected: 04/03/20 12:30

Client ID: DUPE-C-20200403 Date Received: 04/03/20

Sample Location: 886 HUDSON AVE., ROCHESTER, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	88		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	94		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	91		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	90		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	92		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	100		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	89		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	75		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	93		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	95		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	92		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	91		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	54		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	96		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	14		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	57		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	84		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	72		26-160

Project Name: WOLLENSACK
Project Number: 2182207.13
Lab Number: L2014550
Report Date: 04/07/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 04/07/20 00:49
Analyst: JW

Extraction Method: ALPHA 23528
Extraction Date: 04/06/20 14:10

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-03 Batch: WG1358589-1					
Perfluorobutanoic Acid (PFBA)	ND		ug/kg	1.00	0.023
Perfluoropentanoic Acid (PFPeA)	ND		ug/kg	1.00	0.046
Perfluorobutanesulfonic Acid (PFBS)	ND		ug/kg	1.00	0.039
Perfluorohexanoic Acid (PFHxA)	ND		ug/kg	1.00	0.053
Perfluoroheptanoic Acid (PFHpA)	ND		ug/kg	1.00	0.045
Perfluorohexanesulfonic Acid (PFHxS)	ND		ug/kg	1.00	0.061
Perfluorooctanoic Acid (PFOA)	ND		ug/kg	1.00	0.042
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ug/kg	1.00	0.180
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ug/kg	1.00	0.136
Perfluorononanoic Acid (PFNA)	ND		ug/kg	1.00	0.075
Perfluorooctanesulfonic Acid (PFOS)	ND		ug/kg	1.00	0.130
Perfluorodecanoic Acid (PFDA)	ND		ug/kg	1.00	0.067
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ug/kg	1.00	0.287
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ug/kg	1.00	0.202
Perfluoroundecanoic Acid (PFUnA)	ND		ug/kg	1.00	0.047
Perfluorodecanesulfonic Acid (PFDS)	ND		ug/kg	1.00	0.153
Perfluorooctanesulfonamide (FOSA)	ND		ug/kg	1.00	0.098
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ug/kg	1.00	0.085
Perfluorododecanoic Acid (PFDoA)	ND		ug/kg	1.00	0.070
Perfluorotridecanoic Acid (PFTrDA)	ND		ug/kg	1.00	0.204
Perfluorotetradecanoic Acid (PFTA)	ND		ug/kg	1.00	0.054
PFOA/PFOS, Total	ND		ug/kg	1.00	0.042

Project Name: WOLLENSACK
Project Number: 2182207.13
Lab Number: L2014550
Report Date: 04/07/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 04/07/20 00:49
Analyst: JW

Extraction Method: ALPHA 23528
Extraction Date: 04/06/20 14:10

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-03 Batch: WG1358589-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	96		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	103		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	92		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	95		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	96		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	99		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	97		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	72		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	100		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	95		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	98		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	73		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	71		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	100		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	36		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	67		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	87		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	77		26-160

Lab Control Sample Analysis

Batch Quality Control

Project Name: WOLLENSACK

Project Number: 2182207.13

Lab Number: L2014550

Report Date: 04/07/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab	Associated sample(s): 01-03		Batch: WG1358589-2 WG1358589-3					
Perfluorobutanoic Acid (PFBA)	109		108		71-135	1		30
Perfluoropentanoic Acid (PFPeA)	114		113		69-132	1		30
Perfluorobutanesulfonic Acid (PFBS)	109		110		72-128	1		30
Perfluorohexanoic Acid (PFHxA)	112		109		70-132	3		30
Perfluoroheptanoic Acid (PFHpA)	110		108		71-131	2		30
Perfluorohexanesulfonic Acid (PFHxS)	104		105		67-130	1		30
Perfluorooctanoic Acid (PFOA)	115		112		69-133	3		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	140		131		64-140	7		30
Perfluoroheptanesulfonic Acid (PFHpS)	108		114		70-132	5		30
Perfluorononanoic Acid (PFNA)	112		108		72-129	4		30
Perfluorooctanesulfonic Acid (PFOS)	102		106		68-136	4		30
Perfluorodecanoic Acid (PFDA)	109		110		69-133	1		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	**142**	Q	126		65-137	12		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	118		127		63-144	7		30
Perfluoroundecanoic Acid (PFUnA)	117		111		64-136	5		30
Perfluorodecanesulfonic Acid (PFDS)	107		108		59-134	1		30
Perfluorooctanesulfonamide (FOSA)	112		109		67-137	3		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	109		100		61-139	9		30
Perfluorododecanoic Acid (PFDoA)	116		112		69-135	4		30
Perfluorotridecanoic Acid (PFTrDA)	124		122		66-139	2		30
Perfluorotetradecanoic Acid (PFTA)	115		110		69-133	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: WOLLENSACK

Project Number: 2182207.13

Lab Number: L2014550

Report Date: 04/07/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-03 Batch: WG1358589-2 WG1358589-3								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	95		94		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	100		99		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	90		94		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	97		96		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	96		95		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	97		98		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	97		97		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	77		80		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	99		97		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	99		100		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	96		96		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	82		92		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	70		74		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	97		95		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	21		37		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	68		75		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	88		89		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	77		74		26-160

Matrix Spike Analysis
Batch Quality Control

Project Name: WOLLENSACK
Project Number: 2182207.13
Lab Number: L2014550
Report Date: 04/07/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1358589-4 WG1358589-5 QC Sample: L2014550-01 Client ID: IWTRENCHREUSE-01-C-20200403												
Perfluorobutanoic Acid (PFBA)	0.036J	5.96	6.50	109		6.33	108		71-135	3		30
Perfluoropentanoic Acid (PFPeA)	ND	5.96	6.76	113		6.54	111		69-132	3		30
Perfluorobutanesulfonic Acid (PFBS)	ND	5.28	5.65	107		5.61	108		72-128	1		30
Perfluorohexanoic Acid (PFHxA)	0.075J	5.96	6.61	111		6.45	110		70-132	2		30
Perfluoroheptanoic Acid (PFHpA)	ND	5.96	6.38	107		6.46	110		71-131	1		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	5.43	5.56	102		5.51	103		67-130	1		30
Perfluorooctanoic Acid (PFOA)	ND	5.96	6.80	114		6.51	111		69-133	4		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	5.66	7.36	130		6.39	115		64-140	14		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	5.66	6.62	117		6.35	114		70-132	4		30
Perfluorononanoic Acid (PFNA)	ND	5.96	6.33	106		6.46	110		72-129	2		30
Perfluorooctanesulfonic Acid (PFOS)	ND	5.52	6.21	113		5.75	106		68-136	8		30
Perfluorodecanoic Acid (PFDA)	ND	5.96	6.43	108		6.37	108		69-133	1		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	5.72	7.42	130		6.64	118		65-137	11		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	5.96	7.30	123		6.71	114		63-144	8		30
Perfluoroundecanoic Acid (PFUnA)	ND	5.96	6.58	110		6.55	112		64-136	0		30
Perfluorodecanesulfonic Acid (PFDS)	ND	5.75	6.80	118		6.47	114		59-134	5		30
Perfluorooctanesulfonamide (FOSA)	ND	5.96	5.36	90		6.83	116		67-137	24		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	5.96	6.53	110		7.14	122		61-139	9		30
Perfluorododecanoic Acid (PFDoA)	ND	5.96	6.91	116		6.53	111		69-135	6		30
Perfluorotridecanoic Acid (PFTrDA)	ND	5.96	7.46	125		7.16	122		66-139	4		30
Perfluorotetradecanoic Acid (PFTA)	ND	5.96	7.07	119		7.31	124		69-133	3		30

Matrix Spike Analysis

Batch Quality Control

Project Name: WOLLENSACK

Project Number: 2182207.13

Lab Number: L2014550

Report Date: 04/07/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1358589-4 WG1358589-5 QC Sample: L2014550-01
Client ID: IWTRENCHREUSE-01-C-20200403

Surrogate (Extracted Internal Standard)	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	95		111		25-186
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	81		96		32-182
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	62		59		42-136
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	58		61		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	95		95		64-158
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	92		90		65-150
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	90		91		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	91		89		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	95		110		63-166
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	84		86		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	78		73		26-160
Perfluoro[13C4]Butanoic Acid (MPFBA)	87		87		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	93		93		65-182
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	18		12		1-125
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	94		109		65-151
Perfluoro[13C8]Octanoic Acid (M8PFOA)	89		92		62-152
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	96		96		61-154
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	90		100		70-151

INORGANICS
&
MISCELLANEOUS

Project Name: WOLLENSACK
Project Number: 2182207.13
Lab Number: L2014550
Report Date: 04/07/20

SAMPLE RESULTS

Lab ID: L2014550-01
Client ID: IWTRENCHREUSE-01-C-20200403
Sample Location: 886 HUDSON AVE., ROCHESTER, NY
Sample Depth:
Matrix: Soil

Date Collected: 04/03/20 12:00
Date Received: 04/03/20
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	79.0		%	0.100	NA	1	-	04/06/20 05:46	121,2540G	PR

Project Name: WOLLENSACK
Project Number: 2182207.13
Lab Number: L2014550
Report Date: 04/07/20

SAMPLE RESULTS

Lab ID: L2014550-02
Client ID: IWTRENCHREUSE-02-C-20200403
Sample Location: 886 HUDSON AVE., ROCHESTER, NY
Sample Depth:
Matrix: Soil

Date Collected: 04/03/20 14:30
Date Received: 04/03/20
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	81.2		%	0.100	NA	1	-	04/06/20 12:39	121,2540G	PR

Project Name: WOLLENSACK
Project Number: 2182207.13
Lab Number: L2014550
Report Date: 04/07/20

SAMPLE RESULTS

Lab ID: L2014550-03
Client ID: DUPE-C-20200403
Sample Location: 886 HUDSON AVE., ROCHESTER, NY
Sample Depth:
Matrix: Soil

Date Collected: 04/03/20 12:30
Date Received: 04/03/20
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	79.4		%	0.100	NA	1	-	04/06/20 12:39	121,2540G	PR

Lab Duplicate Analysis
Batch Quality Control

Project Name: WOLLENSACK
Project Number: 2182207.13

Lab Number: L2014550
Report Date: 04/07/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1358485-1 QC Sample: L2014458-01 Client ID: DUP Sample						
Solids, Total	90.5	89.4	%	1		20
General Chemistry - Westborough Lab Associated sample(s): 02-03 QC Batch ID: WG1358630-1 QC Sample: L2014550-03 Client ID: DUPE-C-20200403						
Solids, Total	79.4	82.2	%	3		20

Project Name: WOLLENSACK
Project Number: 2182207.13

Lab Number: L2014550
Report Date: 04/07/20

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
B	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2014550-01A	Plastic 2oz unpreserved for TS	B	NA		4.0	Y	Absent		TS(7)
L2014550-01A1	Plastic 2oz unpreserved for TS	B	NA		4.0	Y	Absent		TS(7)
L2014550-01A2	Plastic 2oz unpreserved for TS	B	NA		4.0	Y	Absent		TS(7)
L2014550-01B	Plastic 8oz unpreserved	B	NA		4.0	Y	Absent		A2-NY-537-ISOTOPE(28)
L2014550-01B1	Plastic 8oz unpreserved	B	NA		4.0	Y	Absent		A2-NY-537-ISOTOPE(28)
L2014550-01B2	Plastic 8oz unpreserved	B	NA		4.0	Y	Absent		A2-NY-537-ISOTOPE(28)
L2014550-02A	Plastic 2oz unpreserved for TS	B	NA		4.0	Y	Absent		TS(7)
L2014550-02B	Plastic 8oz unpreserved	B	NA		4.0	Y	Absent		A2-NY-537-ISOTOPE(28)
L2014550-03A	Plastic 2oz unpreserved for TS	B	NA		4.0	Y	Absent		TS(7)
L2014550-03B	Plastic 8oz unpreserved	B	NA		4.0	Y	Absent		A2-NY-537-ISOTOPE(28)

*Values in parentheses indicate holding time in days

Project Name: WOLLENSACK
Project Number: 2182207.13
Lab Number: L2014550
Report Date: 04/07/20

PFAS PARAMETER SUMMARY

Parameter	Acronym	CAS Number
PERFLUOROALKYL CARBOXYLIC ACIDS (PFCAs)		
Perfluorooctadecanoic Acid	PFODA	16517-11-6
Perfluorohexadecanoic Acid	PFHxDA	67905-19-5
Perfluorotetradecanoic Acid	PFTA	376-06-7
Perfluorotridecanoic Acid	PFTrDA	72629-94-8
Perfluorododecanoic Acid	PFDoA	307-55-1
Perfluoroundecanoic Acid	PFUnA	2058-94-8
Perfluorodecanoic Acid	PFDA	335-76-2
Perfluorononanoic Acid	PFNA	375-95-1
Perfluorooctanoic Acid	PFOA	335-67-1
Perfluoroheptanoic Acid	PFHpA	375-85-9
Perfluorohexanoic Acid	PFHxA	307-24-4
Perfluoropentanoic Acid	PFPeA	2706-90-3
Perfluorobutanoic Acid	PFBA	375-22-4
PERFLUOROALKYL SULFONIC ACIDS (PFSAs)		
Perfluorododecanesulfonic Acid	PFDoDS	79780-39-5
Perfluorodecanesulfonic Acid	PFDS	335-77-3
Perfluorononanesulfonic Acid	PFNS	68259-12-1
Perfluorooctanesulfonic Acid	PFOS	1763-23-1
Perfluoroheptanesulfonic Acid	PFHpS	375-92-8
Perfluorohexanesulfonic Acid	PFHxS	355-46-4
Perfluoropentanesulfonic Acid	PFPeS	2706-91-4
Perfluorobutanesulfonic Acid	PFBS	375-73-5
FLUOROTELOMERS		
1H,1H,2H,2H-Perfluorododecanesulfonic Acid	10:2FTS	120226-60-0
1H,1H,2H,2H-Perfluorodecanesulfonic Acid	8:2FTS	39108-34-4
1H,1H,2H,2H-Perfluorooctanesulfonic Acid	6:2FTS	27619-97-2
1H,1H,2H,2H-Perfluorohexanesulfonic Acid	4:2FTS	757124-72-4
PERFLUOROALKANE SULFONAMIDES (FASAs)		
Perfluorooctanesulfonamide	FOSA	754-91-6
N-Ethyl Perfluorooctane Sulfonamide	NEtFOSA	4151-50-2
N-Methyl Perfluorooctane Sulfonamide	NMeFOSA	31506-32-8
PERFLUOROALKANE SULFONYL SUBSTANCES		
N-Ethyl Perfluorooctanesulfonamido Ethanol	NEtFOSE	1691-99-2
N-Methyl Perfluorooctanesulfonamido Ethanol	NMeFOSE	24448-09-7
N-Ethyl Perfluorooctanesulfonamidoacetic Acid	NEtFOSAA	2991-50-6
N-Methyl Perfluorooctanesulfonamidoacetic Acid	NMeFOSAA	2355-31-9
PER- and POLYFLUOROALKYL ETHER CARBOXYLIC ACIDS		
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid	HFPO-DA	13252-13-6
4,8-Dioxa-3h-Perfluorononanoic Acid	ADONA	919005-14-4
CHLORO-PERFLUOROALKYL SULFONIC ACIDS		
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	11Cl-PF3OUdS	763051-92-9
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid	9Cl-PF3ONS	756426-58-1

Project Name:	WOLLENSACK	**Lab Number:**	L2014550
Project Number:	2182207.13	**Report Date:**	04/07/20

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

Report Format: DU Report with 'J' Qualifiers

Project Name:	WOLLENSACK	**Lab Number:**	L2014550
Project Number:	2182207.13	**Report Date:**	04/07/20

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration

Report Format: DU Report with 'J' Qualifiers

Project Name:	WOLLENSACK	**Lab Number:**	L2014550
Project Number:	2182207.13	**Report Date:**	04/07/20

Data Qualifiers

Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Report Format: DU Report with 'J' Qualifiers

Project Name: WOLLENSACK
Project Number: 2182207.13
Lab Number: L2014550
Report Date: 04/07/20

REFERENCES

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

134 Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS) using Isotope Dilution. Alpha SOP 23528.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
EPA TO-12 Non-methane organics
EPA 3C Fixed gases
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 4/4/20

ALPHA Job #: L2014550

Client Information
Client: LaBella
Address: 300 State St. Rochester NY
Phone: 585-454-6110
Fax: AdaSilva@LaBellaPC.com
Email: MKelychaty@LaBellaPC.com

Project Information
Project Name: Hue Wollensack
Project Location: 886 Hudson Ave Rochester NY
Project # Z182207.13
(Use Project name as Project #) ☒
Project Manager: Mike Kelychaty
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☒ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☒ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☒ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS
PFAS

Sample Filtration
☐ Done
☒ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	PFAS	Sample Specific Comments	Total Bottle
14550 01	IW Trench Reuse-01-C-20200403	4/3/20	1200	Soil	ASd	☒	MS/MSD	6
02	IW Trench Reuse-02-C-20200403	4/3/20	1430	Soil	ASd	☒		2
03	DUP-E-C-20200403	4/3/20	1230	Soil	ASd	☒		2

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type
Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
	4/3/20 1618		4/3/20 1618
	4/3/20 1618		4/4/20 00:50

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

PARADIGM

ENVIRONMENTAL SERVICES, INC

Analytical Report For

LaBella Associates, P.C.

For Lab Project ID

201494

Referencing

2182207.13

Prepared

Friday, April 10, 2020

Any noncompliant QC parameters or other notes impacting data interpretation are flagged or documented on the final report or are noted below.

Certifies that this report has been approved by the Technical Director or Designee

179 Lake Avenue • Rochester, NY 14608 • (585) 647-2530 • Fax (585) 647-3311 • ELAP ID# 10958

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 201494

Client: LaBella Associates, P.C.

Project Reference: 2182207.13

Sample Identifier:	WC-IWTrench-01-C-20200408		
Lab Sample ID:	201494-01	**Date Sampled:**	4/8/2020
Matrix:	Soil	**Date Received:**	4/8/2020

Flash Point

Analyte	Result	Units	Qualifier	Date Analyzed
Flash Point, Celsius	>70.0	C		4/9/2020

Method Reference(s): EPA 1010A

pH

Analyte	Result	Units	Qualifier	Date Analyzed
pH	8.66 @ 23.3C	S.U.		4/9/2020 12:17

Method Reference(s): EPA 9045D

Reactive Cyanide

Analyte	Result	Units	Qualifier	Date Analyzed
Reactivity, Cyanide	<100	mg/Kg		4/9/2020

Method Reference(s): EPA 7.3.3.2
Subcontractor ELAP ID: 11148
ELAP does not offer this test for approval as part of their laboratory certification program.

Reactive Sulfide

Analyte	Result	Units	Qualifier	Date Analyzed
Reactivity, Sulfide	<100	mg/Kg		4/9/2020

Method Reference(s): EPA 7.3.4.2
Subcontractor ELAP ID: 11148
ELAP does not offer this test for approval as part of their laboratory certification program.

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 201494

Client: LaBella Associates, P.C.

Project Reference: 2182207.13

Sample Identifier:	WC-IWTrench-01-C-20200408		
Lab Sample ID:	201494-01A	**Date Sampled:**	4/8/2020
Matrix:	TCLP Extract	**Date Received:**	4/8/2020

TCLP Semi-Volatile Organics

Analyte	Result	Units	Regulatory Limit	Qualifier	Date Analyzed
1,4-Dichlorobenzene	< 40.0	ug/L	7500		4/9/2020 14:36
2,4,5-Trichlorophenol	< 40.0	ug/L	400000		4/9/2020 14:36
2,4,6-Trichlorophenol	< 40.0	ug/L	2000		4/9/2020 14:36
2,4-Dinitrotoluene	< 40.0	ug/L	130		4/9/2020 14:36
Cresols (as m,p,o-Cresol)	< 80.0	ug/L	200000		4/9/2020 14:36
Hexachlorobenzene	< 40.0	ug/L	130		4/9/2020 14:36
Hexachlorobutadiene	< 40.0	ug/L	500		4/9/2020 14:36
Hexachloroethane	< 40.0	ug/L	3000		4/9/2020 14:36
Nitrobenzene	< 40.0	ug/L	2000		4/9/2020 14:36
Pentachlorophenol	< 80.0	ug/L	100000		4/9/2020 14:36
Pyridine	< 40.0	ug/L	5000		4/9/2020 14:36

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
2,4,6-Tribromophenol	**74.6**	61.4 - 115		4/9/2020 14:36
2-Fluorobiphenyl	**67.7**	38.4 - 101		4/9/2020 14:36
2-Fluorophenol	**64.2**	12.7 - 105		4/9/2020 14:36
Nitrobenzene-d5	**65.5**	57.3 - 100		4/9/2020 14:36
Phenol-d5	**61.9**	10 - 107		4/9/2020 14:36
Terphenyl-d14	**70.2**	58.1 - 117		4/9/2020 14:36

Method Reference(s): EPA 8270D
EPA 1311 / 3510C
Preparation Date: 4/9/2020
Data File: B45663.D

TCLP Mercury

Analyte	Result	Units	Regulatory Limit	Qualifier	Date Analyzed
Mercury	< 0.00200	mg/L	0.2		4/10/2020 10:23

Method Reference(s): EPA 7470A
EPA 1311
Preparation Date: 4/9/2020
Data File: Hg200410A

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 201494

Client: LaBella Associates, P.C.

Project Reference: 2182207.13

Sample Identifier:	WC-IWTrench-01-C-20200408		
Lab Sample ID:	201494-01A	**Date Sampled:**	4/8/2020
Matrix:	TCLP Extract	**Date Received:**	4/8/2020

TCLP RCRA Metals (ICP)

Analyte	Result	Units	Regulatory Limit	Qualifier	Date Analyzed
Arsenic	< 0.500	mg/L	5		4/9/2020 16:10
Barium	**0.766**	mg/L	100		4/9/2020 16:10
Cadmium	< 0.0250	mg/L	1		4/9/2020 16:10
Chromium	< 0.500	mg/L	5		4/9/2020 16:10
Lead	< 0.500	mg/L	5		4/9/2020 16:10
Selenium	< 0.200	mg/L	1		4/9/2020 16:10
Silver	< 0.500	mg/L	5		4/9/2020 16:10

Method Reference(s): EPA 6010C
EPA 1311 / 3005A
Preparation Date: 4/9/2020
Data File: 200409B

TCLP Volatile Organics

Analyte	Result	Units	Regulatory Limit	Qualifier	Date Analyzed
1,1-Dichloroethene	< 20.0	ug/L	700		4/9/2020 11:59
1,2-Dichloroethane	< 20.0	ug/L	500		4/9/2020 11:59
2-Butanone	< 100	ug/L	200000		4/9/2020 11:59
Benzene	< 20.0	ug/L	500		4/9/2020 11:59
Carbon Tetrachloride	< 20.0	ug/L	500		4/9/2020 11:59
Chlorobenzene	< 20.0	ug/L	100000		4/9/2020 11:59
Chloroform	< 20.0	ug/L	6000		4/9/2020 11:59
Tetrachloroethene	< 20.0	ug/L	700		4/9/2020 11:59
Trichloroethene	< 20.0	ug/L	500		4/9/2020 11:59
Vinyl chloride	< 20.0	ug/L	200		4/9/2020 11:59

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 201494

Client: LaBella Associates, P.C.

Project Reference: 2182207.13

Sample Identifier:	WC-IWTrench-01-C-20200408		
Lab Sample ID:	201494-01A	**Date Sampled:**	4/8/2020
Matrix:	TCLP Extract	**Date Received:**	4/8/2020

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
1,2-Dichloroethane-d4	**140**	80.8 - 132	*	4/9/2020	11:59
4-Bromofluorobenzene	**94.3**	56.6 - 130		4/9/2020	11:59
Pentafluorobenzene	**105**	87.4 - 113		4/9/2020	11:59
Toluene-D8	**98.9**	82.2 - 115		4/9/2020	11:59

Method Reference(s): EPA 8260C
EPA 1311 / 5030C

Data File: x69617.D

Analytical Report Appendix

The reported results relate only to the samples as they have been received by the laboratory.

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All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

Low level Volatiles blank reports for soil/solid matrix are based on a nominal 5 gram weight. Sample results and reporting limits are based on actual weight, which may be more or less than 5 grams.

The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified. Aliquots separated for certain tests, such as TCLP, are indicated on the Chain of Custody and final reports with an "A" suffix.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of analyte-specific, frequently used data flags and their meaning:

"<" = Analyzed for but not detected at or above the quantitation limit.
"E" = Result has been estimated, calibration limit exceeded.
"Z" = See case narrative.
"D" = Sample, Laboratory Control Sample, or Matrix Spike Duplicate results above Relative Percent Difference limit.
"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.
"B" = Method blank contained trace levels of analyte. Refer to included method blank report.
"J" = Result estimated between the quantitation limit and half the quantitation limit.
"L" = Laboratory Control Sample recovery outside accepted QC limits.
"P" = Concentration differs by more than 40% between the primary and secondary analytical columns.
"NC" = Not calculable. Applicable to RPD if sample or duplicate result is non-detect or estimated (see primary report for data flags). Applicable to MS if sample is greater or equal to ten times the spike added. Applicable to sample surrogates or MS if sample dilution is 10x or higher.
"" = Indicates any recoveries outside associated acceptance windows. Surrogate outliers in samples are presumed matrix effects. LCS demonstrates method compliance unless otherwise noted.*
"(1)" = Indicates data from primary column used for QC calculation.
"A" = denotes a parameter for which ELAP does not offer approval as part of their laboratory certification program.
"F" = denotes a parameter for which Paradigm does not carry certification, the results for which should therefore only be used where ELAP certification is not required, such as personal exposure assessment.

GENERAL TERMS AND CONDITIONS
LABORATORY SERVICES

These Terms and Conditions embody the whole agreement of the parties in the absence of a signed and executed contract between the Laboratory (LAB) and Client. They shall supersede all previous communications, representations, or agreements, either verbal or written, between the parties. The LAB specifically rejects all additional, inconsistent, or conflicting terms, whether printed or otherwise set forth in any purchase order or other communication from the Client to the LAB. The invalidity or unenforceability in whole or in part of any provision, tern or condition hereof shall not affect in any way the validity or enforceability of the remainder of the Terms and Conditions. No waiver by LAB of any provision, term, or condition hereof or of any breach by or obligation of the Client hereunder shall constitute a waiver of such provision, term, or condition on any other occasion or a waiver of any other breach by or obligation of the Client. This agreement shall be administered and interpreted under the laws of the state which services are procured.

Warranty. Recognizing that the nature of many samples is unknown and that some may contain potentially hazardous components, LAB warrants only that it will perform testing services, obtain findings, and prepare reports in accordance with generally accepted analytical laboratory principles and practices at the time of performance of services. LAB makes no other warranty, express or implied.

Scope and Compensation. LAB agrees to perform the services described in the chain of custody to which these terms and conditions are attached. Unless the parties agree in writing to the contrary, the duties of LAB shall not be construed to exceed the services specifically described. LAB wi use LAB default method for all tests unless specified otherwise on the Work Order.
Payment terms are net 30 days from the date of invoice. All overdue payments are subject to an interest charge of one and one-half percent (1-1/2%) per month or a portion thereof. Client shall also be responsible for costs of collection, including payment of reasonable attorney fees if such expense is incurred. The prices, unless stated, do not include any sale, use or other taxes. Such taxes will be added to invoice prices when required.

Prices. Compensation for services performed will be based on the current Lab Analytical Fee Schedule or on quotations agreed to in writing by the parties. Turnaround time based charges are determined from the time of resolution of all work order questions. Testimony, court appearances or data compilation for legal action will be charged separately. Evaluation and reporting of initial screening runs may incur additional fees.

Limitations of Liability. In the event of any error, omission, or other professional negligence, the sole and exclusive responsibility of LAB shall be to re-perform the deficient work at its own expense and LAB shall have no other liability whatsoever. All claims shall be deemed waived unless made in writing and received by LAB within ninety (90) days following completion of services.
LAB shall have no liability, obligation, or responsibility of any kind for losses, costs, expenses, or other damages (including but not limited to any special, direct, incidental or consequential damages) with respect to LAB's services or results.
All results provided by LAB are strictly for the use of its clients and LAB is in no way responsible for the use of such results by clients or third parties. All reports should be considered in their entirety, and LAB is not responsible for the separation, detachment, or other use of any portion of these reports. Client may not assign the lab report without the written consent of the LAB.
Client covenants and agrees, at its/his/her sole expense, to indemnify, protect, defend, and save harmless the LAB from and against any and all damages, losses, liabilities, obligations, penalties, claims, litigation, demands, defenses, judgments, suits, actions, proceedings, costs, disbursements and/or expenses (including, without limitation attorneys' and experts' fees and disbursements) of any kind whatsoever which may at any time be imposed upon, incurred by or asserted or awarded against client relating to, resulting from or arising out of (a) the breach of this agreement by this client, (b) the negligence of the client in handling, delivering or disclosing any hazardous substance, (c) the violation of the Client of any applicable law, (d) non-compliance by the Client with any environmental permit or (e) a material misrepresentation in disclosing the materials to be tested.

Hazard Disclosure. Client represents and warrants that any sample delivered to LAB will be preceded or accompanied by complete written disclosure of the presence of any hazardous substances known or suspected by Client. Client further warrants that any sample containing any hazardous substance that is to be delivered to LAB will be packaged, labeled, transported, and delivered properly and in accordance with applicable laws.

Sample Handling. Prior to LAB's acceptance of any sample (or after any revocation of acceptance), the entire risk of loss or of damage to such sample remains with Client. Samples are accepted when receipt is acknowledged on chain of custody documentation. In no event will LAB have any responsibility for the action or inaction of any carrier shipping or delivering any sample to or from LAB premises.
Client authorizes LAB to proceed with the analysis of samples as received by the laboratory, recognizing that any samples not in compliance with all current DOH-ELAP-NELAP requirements for containers, preservation or holding time will be noted as such on th final report.
Disposal of hazardous waste samples is the responsibility of the Client. If the Client does not wish such samples returned, LAB may add storage and disposal fees to the final invoice. Maximum storage time for samples is 30 days after completion of analysis unless modified by applicable state or federal laws. Client will be required to give the LAB written instructions concerning disposal of these samples.
LAB reserves the absolute right, exercisable at any time, to refuse to receive delivery of, refuse to accept, or revoke acceptance of any sample, which, in the sole judgment of LAB (a) is of unsuitable volume, (b) may be or become unsuitable for or may pose a risk in handling, transport, or processing for any health, safety, environmental or other reason whether or not due to the presence in the sample of any hazardous substance, and whether or not such presence has been disclosed to LAB by Client or (c) if the condition or sample date make the sample unsuitable for analysis.

Legal Responsibility. LAB is solely responsible for performance of this contract, and no affiliated company, director, officer, employee, or agent shall have any legal responsibility hereunder, whether in contract or tort including negligence.

Assignment. LAB may assign its performance obligations under this contract to other parties, as it deems necessary. LAB shall disclose to Client any assignee (subcontractor) by ELAP ID # on the submitted final report.

Force Majeure. LAB shall have no responsibility or liability to the Client for any failure or delay in performance by LAB, which results in whole or in part from any cause or circumstance beyond the reasonable control of LAB. Such causes and circumstances shall include, but not limited to, acts of God, acts or orders of any government authority, strikes or other labor disputes, natural disasters, accidents, wars, civil disturbances, difficulties or delays in transportation, mail or delivery services, inability to obtain sufficient services or supplies from LAB's usual suppliers, or any other cause beyond LAB's reasonable control.

Law. This contract shall be continued under the laws of the State of New York without regard to its conflicts of laws provision.

179 Lake Avenue, Rochester, NY 14608 Office (585) 647-2530 Fax (585) 647-3311

1 of 2

CHAIN OF CUSTODY

201494

PARADIGM ENVIRONMENTAL SERVICES, INC.

REPORT TO:		INVOICE TO:		
CLIENT: LaBella		CLIENT:		LAB PROJECT ID: 21822207.13
ADDRESS: 300 State St.		ADDRESS:		
CITY: Rochester	STATE: NY ZIP	CITY:	STATE: ZIP:	Quotation #:
PHONE: 585-454-6110		PHONE:		Email: Mpelychaty@Labellapc.com Adasilva@Labellapc.com
ATTN: Mike Pelychaty		ATTN:		

PROJECT REFERENCE

21822207.13

Matrix Codes:

AQ - Aqueous Liquid; **NQ** - Non-Aqueous Liquid; **WA** - Water; **WG** - Groundwater; **DW** - Drinking Water; **WW** - Wastewater; **SO** - Soil; **SL** - Sludge; **SD** - Solid; **PT** - Paint; **WP** - Wipe; **CK** - Caulk; **OL** - Oil; **AR** - Air

REQUESTED ANALYSIS

DATE COLLECTED	TIME COLLECTED	COMPOSITE	GRAB	SAMPLE IDENTIFIER	MATRIX CODES	NUMBER OF CONTAINERS	TCLP VOC	TCLP SVOC	TCLP Metal	pH	Flashpoint	Reactive Cyanide & Sulfide					REMARKS	PARADIGM LAB SAMPLE NUMBER
4/8/2020	1130	X		WC-IWTrench-01-C-20200408	SO	8	X	X	X	X	X	X					A for TCLP extract. GP 4/8/2020	01A

Turnaround Time		Report Supplements			
Availability contingent upon lab approval; additional fees may apply.					
Standard 5 day	☐	None Required	☒	None Required	☐
10 day	☐	Batch QC	☐	Basic EDD	☒
Rush 3 day	☐	Category A	☐	NYSDEC EDD	☐
Rush 2 day per EF GP 4/8/2020	☒	Category B	☐		
Rush 1 day	☒				
Date Needed _____ please indicate date needed:		Other please indicate package needed:	☐	Other EDD please indicate EDD needed:	☐

Alexander daSilva — Sampled By — 4/8/20 / 1130 — Date/Time

Alexander J daSilva — Relinquished By — 4/8/20 / 1200 — Date/Time

[signature] — Received By — 4/8/2020 1200 — Date/Time

[signature] — Received @ Lab By — 4/8/2020 12:03 — Date/Time

10°C 4/8/2020 12:02

Total Cost:

P.I.F.

By signing this form, client agrees to Paradigm Terms and Conditions (reverse).

See additional page for sample conditions.

PARADIGM

Chain of Custody Supplement

Client: LaBella Associates **Completed by:** Glenn Pezzulo

Lab Project ID: 201494 **Date:** 4/8/2020

Sample Condition Requirements

Per NELAC/ELAP 210/241/242/243/244

Condition	*NELAC compliance with the sample condition requirements upon receipt* Yes	No	N/A
Container Type	X		
Comments			
Transferred to method-compliant container			X
Headspace (<1 mL)	X TCLP VOA		X
Comments			
Preservation			X
Comments			
Chlorine Absent (<0.10 ppm per test strip)			X
Comments			
Holding Time	X		
Comments			
Temperature		X	X Metals
Comments	10°C		
Compliant Sample Quantity/Type	X		
Comments			

179 Lake Avenue, Rochester, NY 14608 Office (585) 647-2530 Fax (585) 647-3311

1 of 1

L2015087

11148

CHAIN OF CUSTODY

REPORT TO:		INVOICE TO:			
COMPANY:	Paradigm Environmental	COMPANY:	Same	LAB PROJECT #:	CLIENT PROJECT #:
ADDRESS:	179 Lake Avenue	ADDRESS:			
CITY:	Rochester STATE: NY ZIP: 14608	CITY:	STATE: ZIP:	TURNAROUND TIME: (WORKING DAYS)	
PHONE:	FAX:	PHONE:	FAX:	Rush	STD / OTHER
PROJECT NAME/SITE NAME:		ATTN:	Reporting	ATTN:	Accounts Payable
		COMMENTS:	Please email results to reporting@paradigmenv.com	1 2 3 5	
				Date Due: 4/10/2020 3PM	

REQUESTED ANALYSIS

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER OF CONTAINERS	Reactivity	REMARKS	PARADIGM LAB SAMPLE NUMBER
1	4/8/2020	11:30	X		201494-01	So:l	1	X		
2										
3										
4										
5										
6										
7										
8										
9										
10										

LAB USE ONLY BELOW THIS LINE

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter	NELAC Compliance	
Container Type:	Y ☐	N ☐
Comments:		
Preservation:	Y ☐	N ☐
Comments:		
Holding Time:	Y ☐	N ☐
Comments:		
Temperature: Temp 2.7°C SRC	Y ☐	N ☐
Comments:		

Client

Sampled By: 2 P 2 — Date/Time: 4/8/2020 16:00

Relinquished By: AAL Ch. Field — Date/Time: 04/09/2020 16:39

Received By: — Date/Time:

Received @ Lab By: — Date/Time: 4/9/20 08:10

Total Cost:

P.I.F.

4/10/2020

June 13, 2020

Charlotte Theobald
NYS Department of Environmental Conservation
6274 East Avon-Lima Road
Avon, New York 14414

RE: MAY 2020 Monthly Progress Report
Former Wollensack Optical Site – C828209
872 & 886 Hudson Avenue, Rochester, New York
LaBella Project #2182207

Dear Ms. Theobald,

LaBella Associates, D.P.C. ("LaBella") is pleased to submit this Monthly Progress Report (MPR) associated with the New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP) Site (BCP ID No. C828209) located at 872 & 886 Hudson Avenue, Rochester, New York, hereinafter referred to as the "Site." Below is a summary of activities completed in the previous months (MAY 2020) and planned for this month (JUNE 2020).

Activities in Prior Month (MAY 2020)

6-Week Post Injection Groundwater Monitoring
Groundwater samples were collected from wells BW-01, BW-03, SB-MW-14, SB-MW-15, SM-MW-16, RIMW-02, RIMW-04. RIMW-16, and SBMW-07 in accordance with the NYSDEC work plan. In addition, a round of static water levels were collected from each well at the Site.

Activity Modifications

- Well RIMW-19S/19D was not sampled due to the presence of permanganate and the concern that it would damage the sampling equipment. Other sample alternatives will be evaluated to collect future samples from these wells such as using a passive diffusion bag or peristaltic pump without the collection of groundwater parameters.

Activities Planned for this Month (JUNE 2020)

- Conduct 12-week groundwater monitoring event following the ISCO Reagent application.
- Complete installation of groundwater treatment system horizontal piping within basement.

Sampling/Testing Results

The following sampling/testing results were received during this reporting period:

- Groundwater results for the 6-week post injection sampling event (lab report L2020006).

Unresolved Delays Encountered or Anticipated

The norther underground storage tank (UST) was to be closed during June 2020 as the electrical line over the tank was to be moved once RG&E connected power to the Site building. RG&E will not be able to complete the power connection to the Site building until late June or early July 2020. As such, the UST will be closed in July 2020.

Percentage of Completion

To date, the following key items have been completed as part of the BCP project:

- RIWP Approval
- Interim Site Management Plan submitted to NYSDEC/NYSDOH (pending approval)
- SSDS Work Plan submitted to NYSDEC/NYSDOH (pending approval)
- RI Report Approval
- IRM Work Plan Approval
- IRM RAOC #1 Design Document
- IRM RAOC #1 Implementation – 70%

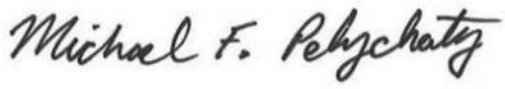
Citizen Participation Plan Activities

No Citizen Participation Plan Activities were undertaken during this reporting report.

If you have any questions or require additional information please do not hesitate to contact me at 585-295-6253.

Respectfully submitted,

LaBella Associates



Michael F. Pelychaty, PG
Sr. Environmental Geologist

Attachments

cc: Carolyn Vitale – Jefferson Wollensack LLC
Amy Reichhart – Nixon Peabody LLP
Chris Roland – Edgemere Development
Arunesh Ghosh – NYSDOH
Justin Deming – NYSDOH
Joseph Biondolillo – City of Rochester DEQ
John Frazer – MCHD
Wade Silkworth – MCHD

I:\Jefferson Wollensack LLC\2182207 - 872 & 886 Hudson Brownfield\Reports\Monthly Progress Reports\2020-05 May\MPR.2020-05.C828209 Jefferson Wollensack May 2020.docx

SAMPLING/TESTING RESULTS

ANALYTICAL REPORT

Lab Number:	L2020006
Client:	LaBella Associates, P.C. 300 State Street Suite 201 Rochester, NY 14614
ATTN:	Mike Pelychaty
Phone:	(585) 295-6253
Project Name:	JEFFERSON WOLLENSACK
Project Number:	2182207
Report Date:	05/20/20

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: JEFFERSON WOLLENSACK
Project Number: 2182207

Lab Number: L2020006
Report Date: 05/20/20

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2020006-01	BW-01	WATER	ROCHESTER, NY	05/12/20 09:00	05/14/20
L2020006-02	SB-MW-14	WATER	ROCHESTER, NY	05/12/20 09:20	05/14/20
L2020006-03	SB-MW-15	WATER	ROCHESTER, NY	05/12/20 10:10	05/14/20
L2020006-04	R1MW-16	WATER	ROCHESTER, NY	05/13/20 08:50	05/14/20
L2020006-05	SB-MW-07	WATER	ROCHESTER, NY	05/12/20 10:40	05/14/20
L2020006-06	R1MW-04	WATER	ROCHESTER, NY	05/13/20 09:40	05/14/20
L2020006-07	SB-MW-16	WATER	ROCHESTER, NY	05/13/20 11:00	05/14/20
L2020006-08	R1MW-02	WATER	ROCHESTER, NY	05/13/20 10:10	05/14/20
L2020006-09	BW-03	WATER	ROCHESTER, NY	05/13/20 13:30	05/14/20
L2020006-10	QA/QC	WATER	ROCHESTER, NY	05/12/20 00:00	05/14/20

Project Name:	JEFFERSON WOLLENSACK	**Lab Number:**	L2020006
Project Number:	2182207	**Report Date:**	05/20/20

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: JEFFERSON WOLLENSACK **Lab Number:** L2020006
Project Number: 2182207 **Report Date:** 05/20/20

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics

L2020006-08: The sample has elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the sample.

The WG1372229-6/-7 MS/MSD recoveries, performed on L2020006-01, are outside the acceptance criteria for trichloroethene (0%/0%). The unacceptable percent recoveries are attributed to the elevated concentrations of target compounds present in the native sample.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Jennifer L Clements

Title: Technical Director/Representative Date: 05/20/20

ORGANICS

VOLATILES

Project Name: JEFFERSON WOLLENSACK **Lab Number:** L2020006

Project Number: 2182207 **Report Date:** 05/20/20

SAMPLE RESULTS

Lab ID: L2020006-01 D
Client ID: BW-01
Sample Location: ROCHESTER, NY

Date Collected: 05/12/20 09:00
Date Received: 05/14/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 05/19/20 00:40
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	100	28.	40
1,1-Dichloroethane	ND		ug/l	100	28.	40
Chloroform	ND		ug/l	100	28.	40
Carbon tetrachloride	ND		ug/l	20	5.4	40
1,2-Dichloropropane	ND		ug/l	40	5.5	40
Dibromochloromethane	ND		ug/l	20	6.0	40
1,1,2-Trichloroethane	ND		ug/l	60	20.	40
Tetrachloroethene	13	J	ug/l	20	7.2	40
Chlorobenzene	ND		ug/l	100	28.	40
Trichlorofluoromethane	ND		ug/l	100	28.	40
1,2-Dichloroethane	ND		ug/l	20	5.3	40
1,1,1-Trichloroethane	ND		ug/l	100	28.	40
Bromodichloromethane	ND		ug/l	20	7.7	40
trans-1,3-Dichloropropene	ND		ug/l	20	6.6	40
cis-1,3-Dichloropropene	ND		ug/l	20	5.8	40
Bromoform	ND		ug/l	80	26.	40
1,1,2,2-Tetrachloroethane	ND		ug/l	20	6.7	40
Benzene	ND		ug/l	20	6.4	40
Toluene	ND		ug/l	100	28.	40
Ethylbenzene	ND		ug/l	100	28.	40
Chloromethane	ND		ug/l	100	28.	40
Bromomethane	ND		ug/l	100	28.	40
Vinyl chloride	ND		ug/l	40	2.8	40
Chloroethane	ND		ug/l	100	28.	40
1,1-Dichloroethene	ND		ug/l	20	6.8	40
trans-1,2-Dichloroethene	ND		ug/l	100	28.	40
Trichloroethene	4500		ug/l	20	7.0	40
1,2-Dichlorobenzene	ND		ug/l	100	28.	40

Project Name: JEFFERSON WOLLENSACK **Lab Number:** L2020006

Project Number: 2182207 **Report Date:** 05/20/20

SAMPLE RESULTS

Lab ID: L2020006-01 D Date Collected: 05/12/20 09:00
Client ID: BW-01 Date Received: 05/14/20
Sample Location: ROCHESTER, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	100	28.	40
1,4-Dichlorobenzene	ND		ug/l	100	28.	40
Methyl tert butyl ether	ND		ug/l	100	28.	40
p/m-Xylene	ND		ug/l	100	28.	40
o-Xylene	ND		ug/l	100	28.	40
cis-1,2-Dichloroethene	180		ug/l	100	28.	40
Styrene	ND		ug/l	100	28.	40
Dichlorodifluoromethane	ND		ug/l	200	40.	40
Acetone	ND		ug/l	200	58.	40
Carbon disulfide	ND		ug/l	200	40.	40
2-Butanone	ND		ug/l	200	78.	40
4-Methyl-2-pentanone	ND		ug/l	200	40.	40
2-Hexanone	ND		ug/l	200	40.	40
Bromochloromethane	ND		ug/l	100	28.	40
1,2-Dibromoethane	ND		ug/l	80	26.	40
1,2-Dibromo-3-chloropropane	ND		ug/l	100	28.	40
Isopropylbenzene	ND		ug/l	100	28.	40
1,2,3-Trichlorobenzene	ND		ug/l	100	28.	40
1,2,4-Trichlorobenzene	ND		ug/l	100	28.	40
Methyl Acetate	ND		ug/l	80	9.4	40
Cyclohexane	ND		ug/l	400	11.	40
1,4-Dioxane	ND		ug/l	10000	2400	40
Freon-113	ND		ug/l	100	28.	40
Methyl cyclohexane	ND		ug/l	400	16.	40

Tentatively Identified Compounds						
Total TIC Compounds	236	J	ug/l			40
Unknown Aromatic	108	J	ug/l			40
Unknown Aromatic	128	J	ug/l			40

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	112		70-130

Project Name: JEFFERSON WOLLENSACK **Lab Number:** L2020006

Project Number: 2182207 **Report Date:** 05/20/20

SAMPLE RESULTS

Lab ID: L2020006-02 D
Client ID: SB-MW-14
Sample Location: ROCHESTER, NY

Date Collected: 05/12/20 09:20
Date Received: 05/14/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 05/19/20 01:04
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	1200	350	500
1,1-Dichloroethane	ND		ug/l	1200	350	500
Chloroform	ND		ug/l	1200	350	500
Carbon tetrachloride	ND		ug/l	250	67.	500
1,2-Dichloropropane	ND		ug/l	500	68.	500
Dibromochloromethane	ND		ug/l	250	74.	500
1,1,2-Trichloroethane	ND		ug/l	750	250	500
Tetrachloroethene	2000		ug/l	250	90.	500
Chlorobenzene	ND		ug/l	1200	350	500
Trichlorofluoromethane	ND		ug/l	1200	350	500
1,2-Dichloroethane	ND		ug/l	250	66.	500
1,1,1-Trichloroethane	ND		ug/l	1200	350	500
Bromodichloromethane	ND		ug/l	250	96.	500
trans-1,3-Dichloropropene	ND		ug/l	250	82.	500
cis-1,3-Dichloropropene	ND		ug/l	250	72.	500
Bromoform	ND		ug/l	1000	320	500
1,1,2,2-Tetrachloroethane	ND		ug/l	250	84.	500
Benzene	ND		ug/l	250	80.	500
Toluene	ND		ug/l	1200	350	500
Ethylbenzene	ND		ug/l	1200	350	500
Chloromethane	ND		ug/l	1200	350	500
Bromomethane	ND		ug/l	1200	350	500
Vinyl chloride	ND		ug/l	500	36.	500
Chloroethane	ND		ug/l	1200	350	500
1,1-Dichloroethene	ND		ug/l	250	84.	500
trans-1,2-Dichloroethene	ND		ug/l	1200	350	500
Trichloroethene	74000		ug/l	250	88.	500
1,2-Dichlorobenzene	ND		ug/l	1200	350	500

Project Name: JEFFERSON WOLLENSACK **Lab Number:** L2020006

Project Number: 2182207 **Report Date:** 05/20/20

SAMPLE RESULTS

Lab ID: L2020006-02 D Date Collected: 05/12/20 09:20

Client ID: SB-MW-14 Date Received: 05/14/20

Sample Location: ROCHESTER, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	1200	350	500
1,4-Dichlorobenzene	ND		ug/l	1200	350	500
Methyl tert butyl ether	ND		ug/l	1200	350	500
p/m-Xylene	ND		ug/l	1200	350	500
o-Xylene	ND		ug/l	1200	350	500
cis-1,2-Dichloroethene	ND		ug/l	1200	350	500
Styrene	ND		ug/l	1200	350	500
Dichlorodifluoromethane	ND		ug/l	2500	500	500
Acetone	ND		ug/l	2500	730	500
Carbon disulfide	ND		ug/l	2500	500	500
2-Butanone	ND		ug/l	2500	970	500
4-Methyl-2-pentanone	ND		ug/l	2500	500	500
2-Hexanone	ND		ug/l	2500	500	500
Bromochloromethane	ND		ug/l	1200	350	500
1,2-Dibromoethane	ND		ug/l	1000	320	500
1,2-Dibromo-3-chloropropane	ND		ug/l	1200	350	500
Isopropylbenzene	ND		ug/l	1200	350	500
1,2,3-Trichlorobenzene	ND		ug/l	1200	350	500
1,2,4-Trichlorobenzene	ND		ug/l	1200	350	500
Methyl Acetate	ND		ug/l	1000	120	500
Cyclohexane	ND		ug/l	5000	140	500
1,4-Dioxane	ND		ug/l	120000	30000	500
Freon-113	ND		ug/l	1200	350	500
Methyl cyclohexane	ND		ug/l	5000	200	500
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/l			500

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	108		70-130

Project Name: JEFFERSON WOLLENSACK **Lab Number:** L2020006

Project Number: 2182207 **Report Date:** 05/20/20

SAMPLE RESULTS

Lab ID: L2020006-03 D
Client ID: SB-MW-15
Sample Location: ROCHESTER, NY

Date Collected: 05/12/20 10:10
Date Received: 05/14/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 05/19/20 01:27
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	250	70.	100
1,1-Dichloroethane	ND		ug/l	250	70.	100
Chloroform	ND		ug/l	250	70.	100
Carbon tetrachloride	ND		ug/l	50	13.	100
1,2-Dichloropropane	ND		ug/l	100	14.	100
Dibromochloromethane	ND		ug/l	50	15.	100
1,1,2-Trichloroethane	ND		ug/l	150	50.	100
Tetrachloroethene	20	J	ug/l	50	18.	100
Chlorobenzene	ND		ug/l	250	70.	100
Trichlorofluoromethane	ND		ug/l	250	70.	100
1,2-Dichloroethane	ND		ug/l	50	13.	100
1,1,1-Trichloroethane	ND		ug/l	250	70.	100
Bromodichloromethane	ND		ug/l	50	19.	100
trans-1,3-Dichloropropene	ND		ug/l	50	16.	100
cis-1,3-Dichloropropene	ND		ug/l	50	14.	100
Bromoform	ND		ug/l	200	65.	100
1,1,2,2-Tetrachloroethane	ND		ug/l	50	17.	100
Benzene	ND		ug/l	50	16.	100
Toluene	ND		ug/l	250	70.	100
Ethylbenzene	ND		ug/l	250	70.	100
Chloromethane	ND		ug/l	250	70.	100
Bromomethane	ND		ug/l	250	70.	100
Vinyl chloride	ND		ug/l	100	7.1	100
Chloroethane	ND		ug/l	250	70.	100
1,1-Dichloroethene	ND		ug/l	50	17.	100
trans-1,2-Dichloroethene	160	J	ug/l	250	70.	100
Trichloroethene	9700		ug/l	50	18.	100
1,2-Dichlorobenzene	ND		ug/l	250	70.	100

Project Name: JEFFERSON WOLLENSACK **Lab Number:** L2020006

Project Number: 2182207 **Report Date:** 05/20/20

SAMPLE RESULTS

Lab ID: L2020006-03 D Date Collected: 05/12/20 10:10
Client ID: SB-MW-15 Date Received: 05/14/20
Sample Location: ROCHESTER, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	250	70.	100
1,4-Dichlorobenzene	ND		ug/l	250	70.	100
Methyl tert butyl ether	ND		ug/l	250	70.	100
p/m-Xylene	ND		ug/l	250	70.	100
o-Xylene	ND		ug/l	250	70.	100
cis-1,2-Dichloroethene	260		ug/l	250	70.	100
Styrene	ND		ug/l	250	70.	100
Dichlorodifluoromethane	ND		ug/l	500	100	100
Acetone	ND		ug/l	500	150	100
Carbon disulfide	ND		ug/l	500	100	100
2-Butanone	ND		ug/l	500	190	100
4-Methyl-2-pentanone	ND		ug/l	500	100	100
2-Hexanone	ND		ug/l	500	100	100
Bromochloromethane	ND		ug/l	250	70.	100
1,2-Dibromoethane	ND		ug/l	200	65.	100
1,2-Dibromo-3-chloropropane	ND		ug/l	250	70.	100
Isopropylbenzene	ND		ug/l	250	70.	100
1,2,3-Trichlorobenzene	ND		ug/l	250	70.	100
1,2,4-Trichlorobenzene	ND		ug/l	250	70.	100
Methyl Acetate	ND		ug/l	200	23.	100
Cyclohexane	ND		ug/l	1000	27.	100
1,4-Dioxane	ND		ug/l	25000	6100	100
Freon-113	ND		ug/l	250	70.	100
Methyl cyclohexane	ND		ug/l	1000	40.	100

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/l	100

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	112		70-130

Project Name: JEFFERSON WOLLENSACK **Lab Number:** L2020006

Project Number: 2182207 **Report Date:** 05/20/20

SAMPLE RESULTS

Lab ID: L2020006-04 D
Client ID: R1MW-16
Sample Location: ROCHESTER, NY

Date Collected: 05/13/20 08:50
Date Received: 05/14/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 05/19/20 01:50
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	100	28.	40
1,1-Dichloroethane	ND		ug/l	100	28.	40
Chloroform	ND		ug/l	100	28.	40
Carbon tetrachloride	ND		ug/l	20	5.4	40
1,2-Dichloropropane	ND		ug/l	40	5.5	40
Dibromochloromethane	ND		ug/l	20	6.0	40
1,1,2-Trichloroethane	ND		ug/l	60	20.	40
Tetrachloroethene	50		ug/l	20	7.2	40
Chlorobenzene	ND		ug/l	100	28.	40
Trichlorofluoromethane	ND		ug/l	100	28.	40
1,2-Dichloroethane	ND		ug/l	20	5.3	40
1,1,1-Trichloroethane	ND		ug/l	100	28.	40
Bromodichloromethane	ND		ug/l	20	7.7	40
trans-1,3-Dichloropropene	ND		ug/l	20	6.6	40
cis-1,3-Dichloropropene	ND		ug/l	20	5.8	40
Bromoform	ND		ug/l	80	26.	40
1,1,2,2-Tetrachloroethane	ND		ug/l	20	6.7	40
Benzene	ND		ug/l	20	6.4	40
Toluene	ND		ug/l	100	28.	40
Ethylbenzene	ND		ug/l	100	28.	40
Chloromethane	ND		ug/l	100	28.	40
Bromomethane	ND		ug/l	100	28.	40
Vinyl chloride	ND		ug/l	40	2.8	40
Chloroethane	ND		ug/l	100	28.	40
1,1-Dichloroethene	ND		ug/l	20	6.8	40
trans-1,2-Dichloroethene	ND		ug/l	100	28.	40
Trichloroethene	5800		ug/l	20	7.0	40
1,2-Dichlorobenzene	ND		ug/l	100	28.	40

Project Name: JEFFERSON WOLLENSACK **Lab Number:** L2020006

Project Number: 2182207 **Report Date:** 05/20/20

SAMPLE RESULTS

Lab ID: L2020006-04 D Date Collected: 05/13/20 08:50
Client ID: R1MW-16 Date Received: 05/14/20
Sample Location: ROCHESTER, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	100	28.	40
1,4-Dichlorobenzene	ND		ug/l	100	28.	40
Methyl tert butyl ether	ND		ug/l	100	28.	40
p/m-Xylene	ND		ug/l	100	28.	40
o-Xylene	ND		ug/l	100	28.	40
cis-1,2-Dichloroethene	ND		ug/l	100	28.	40
Styrene	ND		ug/l	100	28.	40
Dichlorodifluoromethane	ND		ug/l	200	40.	40
Acetone	ND		ug/l	200	58.	40
Carbon disulfide	ND		ug/l	200	40.	40
2-Butanone	ND		ug/l	200	78.	40
4-Methyl-2-pentanone	ND		ug/l	200	40.	40
2-Hexanone	ND		ug/l	200	40.	40
Bromochloromethane	ND		ug/l	100	28.	40
1,2-Dibromoethane	ND		ug/l	80	26.	40
1,2-Dibromo-3-chloropropane	ND		ug/l	100	28.	40
Isopropylbenzene	ND		ug/l	100	28.	40
1,2,3-Trichlorobenzene	ND		ug/l	100	28.	40
1,2,4-Trichlorobenzene	ND		ug/l	100	28.	40
Methyl Acetate	ND		ug/l	80	9.4	40
Cyclohexane	ND		ug/l	400	11.	40
1,4-Dioxane	ND		ug/l	10000	2400	40
Freon-113	ND		ug/l	100	28.	40
Methyl cyclohexane	ND		ug/l	400	16.	40
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/l			40

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	112		70-130

Project Name: JEFFERSON WOLLENSACK **Lab Number:** L2020006

Project Number: 2182207 **Report Date:** 05/20/20

SAMPLE RESULTS

Lab ID: L2020006-05 D
Client ID: SB-MW-07
Sample Location: ROCHESTER, NY

Date Collected: 05/12/20 10:40
Date Received: 05/14/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 05/19/20 02:14
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	250	70.	100
1,1-Dichloroethane	ND		ug/l	250	70.	100
Chloroform	ND		ug/l	250	70.	100
Carbon tetrachloride	ND		ug/l	50	13.	100
1,2-Dichloropropane	ND		ug/l	100	14.	100
Dibromochloromethane	ND		ug/l	50	15.	100
1,1,2-Trichloroethane	ND		ug/l	150	50.	100
Tetrachloroethene	81		ug/l	50	18.	100
Chlorobenzene	ND		ug/l	250	70.	100
Trichlorofluoromethane	ND		ug/l	250	70.	100
1,2-Dichloroethane	ND		ug/l	50	13.	100
1,1,1-Trichloroethane	ND		ug/l	250	70.	100
Bromodichloromethane	ND		ug/l	50	19.	100
trans-1,3-Dichloropropene	ND		ug/l	50	16.	100
cis-1,3-Dichloropropene	ND		ug/l	50	14.	100
Bromoform	ND		ug/l	200	65.	100
1,1,2,2-Tetrachloroethane	ND		ug/l	50	17.	100
Benzene	ND		ug/l	50	16.	100
Toluene	ND		ug/l	250	70.	100
Ethylbenzene	ND		ug/l	250	70.	100
Chloromethane	ND		ug/l	250	70.	100
Bromomethane	ND		ug/l	250	70.	100
Vinyl chloride	ND		ug/l	100	7.1	100
Chloroethane	ND		ug/l	250	70.	100
1,1-Dichloroethene	ND		ug/l	50	17.	100
trans-1,2-Dichloroethene	ND		ug/l	250	70.	100
Trichloroethene	14000		ug/l	50	18.	100
1,2-Dichlorobenzene	ND		ug/l	250	70.	100

Project Name: JEFFERSON WOLLENSACK **Lab Number:** L2020006

Project Number: 2182207 **Report Date:** 05/20/20

SAMPLE RESULTS

Lab ID: L2020006-05 D Date Collected: 05/12/20 10:40
Client ID: SB-MW-07 Date Received: 05/14/20
Sample Location: ROCHESTER, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	250	70.	100
1,4-Dichlorobenzene	ND		ug/l	250	70.	100
Methyl tert butyl ether	ND		ug/l	250	70.	100
p/m-Xylene	ND		ug/l	250	70.	100
o-Xylene	ND		ug/l	250	70.	100
cis-1,2-Dichloroethene	ND		ug/l	250	70.	100
Styrene	ND		ug/l	250	70.	100
Dichlorodifluoromethane	ND		ug/l	500	100	100
Acetone	ND		ug/l	500	150	100
Carbon disulfide	ND		ug/l	500	100	100
2-Butanone	ND		ug/l	500	190	100
4-Methyl-2-pentanone	ND		ug/l	500	100	100
2-Hexanone	ND		ug/l	500	100	100
Bromochloromethane	ND		ug/l	250	70.	100
1,2-Dibromoethane	ND		ug/l	200	65.	100
1,2-Dibromo-3-chloropropane	ND		ug/l	250	70.	100
Isopropylbenzene	ND		ug/l	250	70.	100
1,2,3-Trichlorobenzene	ND		ug/l	250	70.	100
1,2,4-Trichlorobenzene	ND		ug/l	250	70.	100
Methyl Acetate	ND		ug/l	200	23.	100
Cyclohexane	ND		ug/l	1000	27.	100
1,4-Dioxane	ND		ug/l	25000	6100	100
Freon-113	ND		ug/l	250	70.	100
Methyl cyclohexane	ND		ug/l	1000	40.	100

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/l	100

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	109		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	105		70-130

Project Name: JEFFERSON WOLLENSACK **Lab Number:** L2020006

Project Number: 2182207 **Report Date:** 05/20/20

SAMPLE RESULTS

Lab ID: L2020006-06 D
Client ID: R1MW-04
Sample Location: ROCHESTER, NY

Date Collected: 05/13/20 09:40
Date Received: 05/14/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 05/19/20 02:37
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	5.0	1.4	2
1,1-Dichloroethane	ND		ug/l	5.0	1.4	2
Chloroform	2.0	J	ug/l	5.0	1.4	2
Carbon tetrachloride	ND		ug/l	1.0	0.27	2
1,2-Dichloropropane	ND		ug/l	2.0	0.27	2
Dibromochloromethane	ND		ug/l	1.0	0.30	2
1,1,2-Trichloroethane	ND		ug/l	3.0	1.0	2
Tetrachloroethene	180		ug/l	1.0	0.36	2
Chlorobenzene	ND		ug/l	5.0	1.4	2
Trichlorofluoromethane	ND		ug/l	5.0	1.4	2
1,2-Dichloroethane	ND		ug/l	1.0	0.26	2
1,1,1-Trichloroethane	ND		ug/l	5.0	1.4	2
Bromodichloromethane	ND		ug/l	1.0	0.38	2
trans-1,3-Dichloropropene	ND		ug/l	1.0	0.33	2
cis-1,3-Dichloropropene	ND		ug/l	1.0	0.29	2
Bromoform	ND		ug/l	4.0	1.3	2
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.33	2
Benzene	ND		ug/l	1.0	0.32	2
Toluene	ND		ug/l	5.0	1.4	2
Ethylbenzene	ND		ug/l	5.0	1.4	2
Chloromethane	ND		ug/l	5.0	1.4	2
Bromomethane	ND		ug/l	5.0	1.4	2
Vinyl chloride	12		ug/l	2.0	0.14	2
Chloroethane	ND		ug/l	5.0	1.4	2
1,1-Dichloroethene	ND		ug/l	1.0	0.34	2
trans-1,2-Dichloroethene	7.0		ug/l	5.0	1.4	2
Trichloroethene	290		ug/l	1.0	0.35	2
1,2-Dichlorobenzene	ND		ug/l	5.0	1.4	2

Project Name: JEFFERSON WOLLENSACK **Lab Number:** L2020006

Project Number: 2182207 **Report Date:** 05/20/20

SAMPLE RESULTS

Lab ID: L2020006-06 D Date Collected: 05/13/20 09:40
Client ID: R1MW-04 Date Received: 05/14/20
Sample Location: ROCHESTER, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	5.0	1.4	2
1,4-Dichlorobenzene	ND		ug/l	5.0	1.4	2
Methyl tert butyl ether	ND		ug/l	5.0	1.4	2
p/m-Xylene	ND		ug/l	5.0	1.4	2
o-Xylene	ND		ug/l	5.0	1.4	2
cis-1,2-Dichloroethene	41		ug/l	5.0	1.4	2
Styrene	ND		ug/l	5.0	1.4	2
Dichlorodifluoromethane	ND		ug/l	10	2.0	2
Acetone	44		ug/l	10	2.9	2
Carbon disulfide	ND		ug/l	10	2.0	2
2-Butanone	9.0	J	ug/l	10	3.9	2
4-Methyl-2-pentanone	ND		ug/l	10	2.0	2
2-Hexanone	ND		ug/l	10	2.0	2
Bromochloromethane	ND		ug/l	5.0	1.4	2
1,2-Dibromoethane	ND		ug/l	4.0	1.3	2
1,2-Dibromo-3-chloropropane	ND		ug/l	5.0	1.4	2
Isopropylbenzene	ND		ug/l	5.0	1.4	2
1,2,3-Trichlorobenzene	ND		ug/l	5.0	1.4	2
1,2,4-Trichlorobenzene	ND		ug/l	5.0	1.4	2
Methyl Acetate	ND		ug/l	4.0	0.47	2
Cyclohexane	ND		ug/l	20	0.54	2
1,4-Dioxane	ND		ug/l	500	120	2
Freon-113	ND		ug/l	5.0	1.4	2
Methyl cyclohexane	ND		ug/l	20	0.79	2

Tentatively Identified Compounds						
Total TIC Compounds	25.7	J	ug/l			2
Unknown Aromatic	6.30	J	ug/l			2
Unknown Aromatic	4.92	J	ug/l			2
Unknown Aromatic	7.02	J	ug/l			2
Unknown Benzene	7.50	J	ug/l			2

Project Name: JEFFERSON WOLLENSACK **Lab Number:** L2020006

Project Number: 2182207 **Report Date:** 05/20/20

SAMPLE RESULTS

Lab ID: L2020006-06 D Date Collected: 05/13/20 09:40

Client ID: R1MW-04 Date Received: 05/14/20

Sample Location: ROCHESTER, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	89		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	111		70-130

Project Name: JEFFERSON WOLLENSACK **Lab Number:** L2020006

Project Number: 2182207 **Report Date:** 05/20/20

SAMPLE RESULTS

Lab ID: L2020006-07 D
Client ID: SB-MW-16
Sample Location: ROCHESTER, NY

Date Collected: 05/13/20 11:00
Date Received: 05/14/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 05/19/20 03:00
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	6.2	1.8	2.5
1,1-Dichloroethane	ND		ug/l	6.2	1.8	2.5
Chloroform	3.6	J	ug/l	6.2	1.8	2.5
Carbon tetrachloride	ND		ug/l	1.2	0.34	2.5
1,2-Dichloropropane	ND		ug/l	2.5	0.34	2.5
Dibromochloromethane	ND		ug/l	1.2	0.37	2.5
1,1,2-Trichloroethane	ND		ug/l	3.8	1.2	2.5
Tetrachloroethene	19		ug/l	1.2	0.45	2.5
Chlorobenzene	ND		ug/l	6.2	1.8	2.5
Trichlorofluoromethane	ND		ug/l	6.2	1.8	2.5
1,2-Dichloroethane	ND		ug/l	1.2	0.33	2.5
1,1,1-Trichloroethane	ND		ug/l	6.2	1.8	2.5
Bromodichloromethane	ND		ug/l	1.2	0.48	2.5
trans-1,3-Dichloropropene	ND		ug/l	1.2	0.41	2.5
cis-1,3-Dichloropropene	ND		ug/l	1.2	0.36	2.5
Bromoform	ND		ug/l	5.0	1.6	2.5
1,1,2,2-Tetrachloroethane	ND		ug/l	1.2	0.42	2.5
Benzene	ND		ug/l	1.2	0.40	2.5
Toluene	ND		ug/l	6.2	1.8	2.5
Ethylbenzene	ND		ug/l	6.2	1.8	2.5
Chloromethane	ND		ug/l	6.2	1.8	2.5
Bromomethane	ND		ug/l	6.2	1.8	2.5
Vinyl chloride	ND		ug/l	2.5	0.18	2.5
Chloroethane	ND		ug/l	6.2	1.8	2.5
1,1-Dichloroethene	ND		ug/l	1.2	0.42	2.5
trans-1,2-Dichloroethene	ND		ug/l	6.2	1.8	2.5
Trichloroethene	260		ug/l	1.2	0.44	2.5
1,2-Dichlorobenzene	ND		ug/l	6.2	1.8	2.5

Project Name: JEFFERSON WOLLENSACK **Lab Number:** L2020006

Project Number: 2182207 **Report Date:** 05/20/20

SAMPLE RESULTS

Lab ID: L2020006-07 D Date Collected: 05/13/20 11:00

Client ID: SB-MW-16 Date Received: 05/14/20

Sample Location: ROCHESTER, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	6.2	1.8	2.5
1,4-Dichlorobenzene	ND		ug/l	6.2	1.8	2.5
Methyl tert butyl ether	ND		ug/l	6.2	1.8	2.5
p/m-Xylene	ND		ug/l	6.2	1.8	2.5
o-Xylene	ND		ug/l	6.2	1.8	2.5
cis-1,2-Dichloroethene	8.5		ug/l	6.2	1.8	2.5
Styrene	ND		ug/l	6.2	1.8	2.5
Dichlorodifluoromethane	ND		ug/l	12	2.5	2.5
Acetone	240		ug/l	12	3.6	2.5
Carbon disulfide	ND		ug/l	12	2.5	2.5
2-Butanone	99		ug/l	12	4.8	2.5
4-Methyl-2-pentanone	ND		ug/l	12	2.5	2.5
2-Hexanone	ND		ug/l	12	2.5	2.5
Bromochloromethane	ND		ug/l	6.2	1.8	2.5
1,2-Dibromoethane	ND		ug/l	5.0	1.6	2.5
1,2-Dibromo-3-chloropropane	ND		ug/l	6.2	1.8	2.5
Isopropylbenzene	ND		ug/l	6.2	1.8	2.5
1,2,3-Trichlorobenzene	ND		ug/l	6.2	1.8	2.5
1,2,4-Trichlorobenzene	ND		ug/l	6.2	1.8	2.5
Methyl Acetate	ND		ug/l	5.0	0.58	2.5
Cyclohexane	ND		ug/l	25	0.68	2.5
1,4-Dioxane	ND		ug/l	620	150	2.5
Freon-113	ND		ug/l	6.2	1.8	2.5
Methyl cyclohexane	ND		ug/l	25	0.99	2.5

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/l	2.5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	112		70-130

Project Name: JEFFERSON WOLLENSACK **Lab Number:** L2020006

Project Number: 2182207 **Report Date:** 05/20/20

SAMPLE RESULTS

Lab ID: L2020006-08 D
Client ID: R1MW-02
Sample Location: ROCHESTER, NY

Date Collected: 05/13/20 10:10
Date Received: 05/14/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 05/19/20 10:42
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	5.0	1.4	2
1,1-Dichloroethane	ND		ug/l	5.0	1.4	2
Chloroform	1.7	J	ug/l	5.0	1.4	2
Carbon tetrachloride	ND		ug/l	1.0	0.27	2
1,2-Dichloropropane	ND		ug/l	2.0	0.27	2
Dibromochloromethane	ND		ug/l	1.0	0.30	2
1,1,2-Trichloroethane	ND		ug/l	3.0	1.0	2
Tetrachloroethene	9.3		ug/l	1.0	0.36	2
Chlorobenzene	ND		ug/l	5.0	1.4	2
Trichlorofluoromethane	ND		ug/l	5.0	1.4	2
1,2-Dichloroethane	ND		ug/l	1.0	0.26	2
1,1,1-Trichloroethane	ND		ug/l	5.0	1.4	2
Bromodichloromethane	ND		ug/l	1.0	0.38	2
trans-1,3-Dichloropropene	ND		ug/l	1.0	0.33	2
cis-1,3-Dichloropropene	ND		ug/l	1.0	0.29	2
Bromoform	ND		ug/l	4.0	1.3	2
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.33	2
Benzene	ND		ug/l	1.0	0.32	2
Toluene	ND		ug/l	5.0	1.4	2
Ethylbenzene	ND		ug/l	5.0	1.4	2
Chloromethane	ND		ug/l	5.0	1.4	2
Bromomethane	ND		ug/l	5.0	1.4	2
Vinyl chloride	0.18	J	ug/l	2.0	0.14	2
Chloroethane	ND		ug/l	5.0	1.4	2
1,1-Dichloroethene	ND		ug/l	1.0	0.34	2
trans-1,2-Dichloroethene	ND		ug/l	5.0	1.4	2
Trichloroethene	53		ug/l	1.0	0.35	2
1,2-Dichlorobenzene	ND		ug/l	5.0	1.4	2

Project Name: JEFFERSON WOLLENSACK **Lab Number:** L2020006

Project Number: 2182207 **Report Date:** 05/20/20

SAMPLE RESULTS

Lab ID: L2020006-08 D Date Collected: 05/13/20 10:10

Client ID: R1MW-02 Date Received: 05/14/20

Sample Location: ROCHESTER, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	5.0	1.4	2
1,4-Dichlorobenzene	ND		ug/l	5.0	1.4	2
Methyl tert butyl ether	ND		ug/l	5.0	1.4	2
p/m-Xylene	ND		ug/l	5.0	1.4	2
o-Xylene	ND		ug/l	5.0	1.4	2
cis-1,2-Dichloroethene	1.9	J	ug/l	5.0	1.4	2
Styrene	ND		ug/l	5.0	1.4	2
Dichlorodifluoromethane	ND		ug/l	10	2.0	2
Acetone	9.4	J	ug/l	10	2.9	2
Carbon disulfide	ND		ug/l	10	2.0	2
2-Butanone	4.3	J	ug/l	10	3.9	2
4-Methyl-2-pentanone	ND		ug/l	10	2.0	2
2-Hexanone	ND		ug/l	10	2.0	2
Bromochloromethane	ND		ug/l	5.0	1.4	2
1,2-Dibromoethane	ND		ug/l	4.0	1.3	2
1,2-Dibromo-3-chloropropane	ND		ug/l	5.0	1.4	2
Isopropylbenzene	ND		ug/l	5.0	1.4	2
1,2,3-Trichlorobenzene	ND		ug/l	5.0	1.4	2
1,2,4-Trichlorobenzene	ND		ug/l	5.0	1.4	2
Methyl Acetate	ND		ug/l	4.0	0.47	2
Cyclohexane	ND		ug/l	20	0.54	2
1,4-Dioxane	ND		ug/l	500	120	2
Freon-113	ND		ug/l	5.0	1.4	2
Methyl cyclohexane	ND		ug/l	20	0.79	2

Project Name: JEFFERSON WOLLENSACK **Lab Number:** L2020006

Project Number: 2182207 **Report Date:** 05/20/20

SAMPLE RESULTS

Lab ID: L2020006-08 D Date Collected: 05/13/20 10:10

Client ID: R1MW-02 Date Received: 05/14/20

Sample Location: ROCHESTER, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Tentatively Identified Compounds						
Total TIC Compounds	106	J	ug/l			2
Unknown Naphthalene	5.88	J	ug/l			2
Unknown Naphthalene	14.4	J	ug/l			2
Unknown Benzene	6.20	J	ug/l			2
Unknown Naphthalene	7.50	J	ug/l			2
Unknown Naphthalene	16.2	J	ug/l			2
Unknown	4.70	J	ug/l			2
Unknown Aromatic	21.1	J	ug/l			2
Unknown Aromatic	9.02	J	ug/l			2
Unknown Aromatic	17.1	J	ug/l			2
Unknown Aromatic	4.22	J	ug/l			2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	97		70-130

Project Name: JEFFERSON WOLLENSACK **Lab Number:** L2020006

Project Number: 2182207 **Report Date:** 05/20/20

SAMPLE RESULTS

Lab ID: L2020006-09 D
Client ID: BW-03
Sample Location: ROCHESTER, NY

Date Collected: 05/13/20 13:30
Date Received: 05/14/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 05/19/20 03:24
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	50	14.	20
1,1-Dichloroethane	ND		ug/l	50	14.	20
Chloroform	ND		ug/l	50	14.	20
Carbon tetrachloride	ND		ug/l	10	2.7	20
1,2-Dichloropropane	ND		ug/l	20	2.7	20
Dibromochloromethane	ND		ug/l	10	3.0	20
1,1,2-Trichloroethane	ND		ug/l	30	10.	20
Tetrachloroethene	ND		ug/l	10	3.6	20
Chlorobenzene	ND		ug/l	50	14.	20
Trichlorofluoromethane	ND		ug/l	50	14.	20
1,2-Dichloroethane	ND		ug/l	10	2.6	20
1,1,1-Trichloroethane	ND		ug/l	50	14.	20
Bromodichloromethane	ND		ug/l	10	3.8	20
trans-1,3-Dichloropropene	ND		ug/l	10	3.3	20
cis-1,3-Dichloropropene	ND		ug/l	10	2.9	20
Bromoform	ND		ug/l	40	13.	20
1,1,2,2-Tetrachloroethane	ND		ug/l	10	3.3	20
Benzene	ND		ug/l	10	3.2	20
Toluene	ND		ug/l	50	14.	20
Ethylbenzene	ND		ug/l	50	14.	20
Chloromethane	ND		ug/l	50	14.	20
Bromomethane	ND		ug/l	50	14.	20
Vinyl chloride	24		ug/l	20	1.4	20
Chloroethane	ND		ug/l	50	14.	20
1,1-Dichloroethene	14		ug/l	10	3.4	20
trans-1,2-Dichloroethene	ND		ug/l	50	14.	20
Trichloroethene	120		ug/l	10	3.5	20
1,2-Dichlorobenzene	ND		ug/l	50	14.	20

Project Name: JEFFERSON WOLLENSACK **Lab Number:** L2020006

Project Number: 2182207 **Report Date:** 05/20/20

SAMPLE RESULTS

Lab ID: L2020006-09 D Date Collected: 05/13/20 13:30
Client ID: BW-03 Date Received: 05/14/20
Sample Location: ROCHESTER, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	50	14.	20
1,4-Dichlorobenzene	ND		ug/l	50	14.	20
Methyl tert butyl ether	ND		ug/l	50	14.	20
p/m-Xylene	ND		ug/l	50	14.	20
o-Xylene	ND		ug/l	50	14.	20
cis-1,2-Dichloroethene	3300		ug/l	50	14.	20
Styrene	ND		ug/l	50	14.	20
Dichlorodifluoromethane	ND		ug/l	100	20.	20
Acetone	ND		ug/l	100	29.	20
Carbon disulfide	ND		ug/l	100	20.	20
2-Butanone	ND		ug/l	100	39.	20
4-Methyl-2-pentanone	ND		ug/l	100	20.	20
2-Hexanone	ND		ug/l	100	20.	20
Bromochloromethane	ND		ug/l	50	14.	20
1,2-Dibromoethane	ND		ug/l	40	13.	20
1,2-Dibromo-3-chloropropane	ND		ug/l	50	14.	20
Isopropylbenzene	ND		ug/l	50	14.	20
1,2,3-Trichlorobenzene	ND		ug/l	50	14.	20
1,2,4-Trichlorobenzene	ND		ug/l	50	14.	20
Methyl Acetate	ND		ug/l	40	4.7	20
Cyclohexane	ND		ug/l	200	5.4	20
1,4-Dioxane	ND		ug/l	5000	1200	20
Freon-113	ND		ug/l	50	14.	20
Methyl cyclohexane	ND		ug/l	200	7.9	20

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/l	20

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	112		70-130

Project Name: JEFFERSON WOLLENSACK **Lab Number:** L2020006

Project Number: 2182207 **Report Date:** 05/20/20

SAMPLE RESULTS

Lab ID: L2020006-10 Date Collected: 05/12/20 00:00
Client ID: QA/QC Date Received: 05/14/20
Sample Location: ROCHESTER, NY Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 05/18/20 23:54
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	12		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	1.0		ug/l	0.50	0.16	1
Toluene	1.8	J	ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	1.2		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	3.8		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	10		ug/l	2.5	0.70	1
Trichloroethene	1400	E	ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: JEFFERSON WOLLENSACK **Lab Number:** L2020006

Project Number: 2182207 **Report Date:** 05/20/20

SAMPLE RESULTS

Lab ID: L2020006-10 Date Collected: 05/12/20 00:00

Client ID: QA/QC Date Received: 05/14/20

Sample Location: ROCHESTER, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	0.85	J	ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	200	E	ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	24		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	4.3	J	ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	1.1	J	ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/l	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	88		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	108		70-130

Project Name: JEFFERSON WOLLENSACK **Lab Number:** L2020006

Project Number: 2182207 **Report Date:** 05/20/20

SAMPLE RESULTS

Lab ID: L2020006-10 D
Client ID: QA/QC
Sample Location: ROCHESTER, NY

Date Collected: 05/12/20 00:00
Date Received: 05/14/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 05/19/20 11:03
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	2800		ug/l	25	8.8	50
cis-1,2-Dichloroethene	130		ug/l	120	35.	50

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	95		70-130

Project Name: JEFFERSON WOLLENSACK **Lab Number:** L2020006

Project Number: 2182207 **Report Date:** 05/20/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/18/20 19:38
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-07,09-10 Batch: WG1372229-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: JEFFERSON WOLLENSACK **Lab Number:** L2020006

Project Number: 2182207 **Report Date:** 05/20/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/18/20 19:38
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-07,09-10 Batch: WG1372229-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/l		

Project Name: JEFFERSON WOLLENSACK **Lab Number:** L2020006

Project Number: 2182207 **Report Date:** 05/20/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/18/20 19:38
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-07,09-10 Batch: WG1372229-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	110		70-130

Project Name: JEFFERSON WOLLENSACK **Lab Number:** L2020006

Project Number: 2182207 **Report Date:** 05/20/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/19/20 10:10
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 08,10 Batch: WG1372327-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: JEFFERSON WOLLENSACK **Lab Number:** L2020006

Project Number: 2182207 **Report Date:** 05/20/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/19/20 10:10
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 08,10 Batch: WG1372327-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Tentatively Identified Compounds

No Tentatively Identified Compounds ND ug/l

Project Name: JEFFERSON WOLLENSACK **Lab Number:** L2020006

Project Number: 2182207 **Report Date:** 05/20/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/19/20 10:10
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 08,10 Batch: WG1372327-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	97		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: JEFFERSON WOLLENSACK
Project Number: 2182207
Lab Number: L2020006
Report Date: 05/20/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07,09-10 Batch: WG1372229-3 WG1372229-4								
Methylene chloride	100		100		70-130	0		20
1,1-Dichloroethane	98		96		70-130	2		20
Chloroform	110		110		70-130	0		20
Carbon tetrachloride	100		98		63-132	2		20
1,2-Dichloropropane	93		92		70-130	1		20
Dibromochloromethane	110		94		63-130	16		20
1,1,2-Trichloroethane	110		100		70-130	10		20
Tetrachloroethene	120		100		70-130	18		20
Chlorobenzene	97		96		75-130	1		20
Trichlorofluoromethane	96		92		62-150	4		20
1,2-Dichloroethane	110		110		70-130	0		20
1,1,1-Trichloroethane	110		100		67-130	10		20
Bromodichloromethane	99		100		67-130	1		20
trans-1,3-Dichloropropene	96		85		70-130	12		20
cis-1,3-Dichloropropene	89		87		70-130	2		20
Bromoform	89		95		54-136	7		20
1,1,2,2-Tetrachloroethane	86		96		67-130	11		20
Benzene	99		97		70-130	2		20
Toluene	97		91		70-130	6		20
Ethylbenzene	98		97		70-130	1		20
Chloromethane	81		78		64-130	4		20
Bromomethane	**36**	Q	**37**	Q	39-139	3		20
Vinyl chloride	90		83		55-140	8		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: JEFFERSON WOLLENSACK
Project Number: 2182207
Lab Number: L2020006
Report Date: 05/20/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07,09-10 Batch: WG1372229-3 WG1372229-4								
Chloroethane	67		75		55-138	11		20
1,1-Dichloroethene	100		100		61-145	0		20
trans-1,2-Dichloroethene	100		100		70-130	0		20
Trichloroethene	98		94		70-130	4		20
1,2-Dichlorobenzene	92		90		70-130	2		20
1,3-Dichlorobenzene	95		92		70-130	3		20
1,4-Dichlorobenzene	93		92		70-130	1		20
Methyl tert butyl ether	90		92		63-130	2		20
p/m-Xylene	95		95		70-130	0		20
o-Xylene	95		95		70-130	0		20
cis-1,2-Dichloroethene	100		99		70-130	1		20
Styrene	100		100		70-130	0		20
Dichlorodifluoromethane	120		120		36-147	0		20
Acetone	95		95		58-148	0		20
Carbon disulfide	99		95		51-130	4		20
2-Butanone	97		110		63-138	13		20
4-Methyl-2-pentanone	80		76		59-130	5		20
2-Hexanone	85		77		57-130	10		20
Bromochloromethane	110		110		70-130	0		20
1,2-Dibromoethane	110		100		70-130	10		20
1,2-Dibromo-3-chloropropane	76		69		41-144	10		20
Isopropylbenzene	79		83		70-130	5		20
1,2,3-Trichlorobenzene	72		**66**	Q	70-130	9		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: JEFFERSON WOLLENSACK
Project Number: 2182207
Lab Number: L2020006
Report Date: 05/20/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07,09-10 Batch: WG1372229-3 WG1372229-4								
1,2,4-Trichlorobenzene	81		72		70-130	12		20
Methyl Acetate	100		100		70-130	0		20
Cyclohexane	100		100		70-130	0		20
1,4-Dioxane	110		110		56-162	0		20
Freon-113	130		120		70-130	8		20
Methyl cyclohexane	100		100		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	113		114		70-130
Toluene-d8	103		99		70-130
4-Bromofluorobenzene	85		94		70-130
Dibromofluoromethane	112		111		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: JEFFERSON WOLLENSACK
Project Number: 2182207

Lab Number: L2020006
Report Date: 05/20/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08,10 Batch: WG1372327-3 WG1372327-4								
Methylene chloride	89		91		70-130	2		20
1,1-Dichloroethane	95		89		70-130	7		20
Chloroform	88		84		70-130	5		20
Carbon tetrachloride	85		82		63-132	4		20
1,2-Dichloropropane	95		90		70-130	5		20
Dibromochloromethane	86		81		63-130	6		20
1,1,2-Trichloroethane	86		81		70-130	6		20
Tetrachloroethene	87		83		70-130	5		20
Chlorobenzene	96		91		75-130	5		20
Trichlorofluoromethane	93		92		62-150	1		20
1,2-Dichloroethane	87		78		70-130	11		20
1,1,1-Trichloroethane	82		83		67-130	1		20
Bromodichloromethane	86		83		67-130	4		20
trans-1,3-Dichloropropene	76		73		70-130	4		20
cis-1,3-Dichloropropene	86		81		70-130	6		20
Bromoform	78		77		54-136	1		20
1,1,2,2-Tetrachloroethane	87		83		67-130	5		20
Benzene	90		88		70-130	2		20
Toluene	92		88		70-130	4		20
Ethylbenzene	93		87		70-130	7		20
Chloromethane	83		80		64-130	4		20
Bromomethane	72		73		39-139	1		20
Vinyl chloride	100		94		55-140	6		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: JEFFERSON WOLLENSACK
Project Number: 2182207
Lab Number: L2020006
Report Date: 05/20/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08,10 Batch: WG1372327-3 WG1372327-4								
Chloroethane	110		100		55-138	10		20
1,1-Dichloroethene	85		89		61-145	5		20
trans-1,2-Dichloroethene	100		93		70-130	7		20
Trichloroethene	87		80		70-130	8		20
1,2-Dichlorobenzene	94		89		70-130	5		20
1,3-Dichlorobenzene	95		90		70-130	5		20
1,4-Dichlorobenzene	94		87		70-130	8		20
Methyl tert butyl ether	84		79		63-130	6		20
p/m-Xylene	95		90		70-130	5		20
o-Xylene	95		90		70-130	5		20
cis-1,2-Dichloroethene	88		84		70-130	5		20
Styrene	95		90		70-130	5		20
Dichlorodifluoromethane	100		99		36-147	1		20
Acetone	81		86		58-148	6		20
Carbon disulfide	94		91		51-130	3		20
2-Butanone	83		88		63-138	6		20
4-Methyl-2-pentanone	80		79		59-130	1		20
2-Hexanone	72		71		57-130	1		20
Bromochloromethane	97		90		70-130	7		20
1,2-Dibromoethane	84		82		70-130	2		20
1,2-Dibromo-3-chloropropane	69		68		41-144	1		20
Isopropylbenzene	93		86		70-130	8		20
1,2,3-Trichlorobenzene	83		80		70-130	4		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: JEFFERSON WOLLENSACK

Project Number: 2182207

Lab Number: L2020006

Report Date: 05/20/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08,10 Batch: WG1372327-3 WG1372327-4								
1,2,4-Trichlorobenzene	89		86		70-130	3		20
Methyl Acetate	86		84		70-130	2		20
Cyclohexane	95		90		70-130	5		20
1,4-Dioxane	74		74		56-162	0		20
Freon-113	99		97		70-130	2		20
Methyl cyclohexane	94		89		70-130	5		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	91		86		70-130
Toluene-d8	97		98		70-130
4-Bromofluorobenzene	94		94		70-130
Dibromofluoromethane	96		96		70-130

Matrix Spike Analysis

Batch Quality Control

Project Name: JEFFERSON WOLLENSACK

Project Number: 2182207

Lab Number: L2020006

Report Date: 05/20/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07,09-10 QC Batch ID: WG1372229-6 WG1372229-7 QC Sample: L2020006-01 Client ID: BW-01												
Methylene chloride	ND	400	460	115		440	110		70-130	4		20
1,1-Dichloroethane	ND	400	450	113		440	110		70-130	2		20
Chloroform	ND	400	490	123		480	120		70-130	2		20
Carbon tetrachloride	ND	400	460	115		450	113		63-132	2		20
1,2-Dichloropropane	ND	400	420	105		410	103		70-130	2		20
Dibromochloromethane	ND	400	420	105		410	103		63-130	2		20
1,1,2-Trichloroethane	ND	400	470	118		470	118		70-130	0		20
Tetrachloroethene	13J	400	420	105		410	103		70-130	2		20
Chlorobenzene	ND	400	410	103		410	103		75-130	0		20
Trichlorofluoromethane	ND	400	420	105		400	100		62-150	5		20
1,2-Dichloroethane	ND	400	470	118		460	115		70-130	2		20
1,1,1-Trichloroethane	ND	400	490	123		480	120		67-130	2		20
Bromodichloromethane	ND	400	440	110		420	105		67-130	5		20
trans-1,3-Dichloropropene	ND	400	380	95		380	95		70-130	0		20
cis-1,3-Dichloropropene	ND	400	370	92		370	92		70-130	0		20
Bromoform	ND	400	420	105		420	105		54-136	0		20
1,1,2,2-Tetrachloroethane	ND	400	440	110		430	108		67-130	2		20
Benzene	ND	400	440	110		430	108		70-130	2		20
Toluene	ND	400	430	108		430	108		70-130	0		20
Ethylbenzene	ND	400	430	108		420	105		70-130	2		20
Chloromethane	ND	400	360	90		360	90		64-130	0		20
Bromomethane	ND	400	98J	**24**	Q	100	**25**	Q	39-139	2		20
Vinyl chloride	ND	400	310	78		290	72		55-140	7		20

Matrix Spike Analysis

Batch Quality Control

Project Name: JEFFERSON WOLLENSACK

Project Number: 2182207

Lab Number: L2020006

Report Date: 05/20/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07,09-10 QC Batch ID: WG1372229-6 WG1372229-7 QC Sample: L2020006-01 Client ID: BW-01												
Chloroethane	ND	400	260	65		260	65		55-138	0		20
1,1-Dichloroethene	ND	400	420	105		420	105		61-145	0		20
trans-1,2-Dichloroethene	ND	400	460	115		450	113		70-130	2		20
Trichloroethene	4500	400	4400	**0**	Q	4500	**0**	Q	70-130	2		20
1,2-Dichlorobenzene	ND	400	390	98		380	95		70-130	3		20
1,3-Dichlorobenzene	ND	400	370	92		360	90		70-130	3		20
1,4-Dichlorobenzene	ND	400	370	92		360	90		70-130	3		20
Methyl tert butyl ether	ND	400	410	103		410	103		63-130	0		20
p/m-Xylene	ND	800	790	99		780	98		70-130	1		20
o-Xylene	ND	800	790	99		780	98		70-130	1		20
cis-1,2-Dichloroethene	180	400	650	118		620	110		70-130	5		20
Styrene	ND	800	800	100		790	99		70-130	1		20
Dichlorodifluoromethane	ND	400	520	130		490	123		36-147	6		20
Acetone	ND	400	440	110		440	110		58-148	0		20
Carbon disulfide	ND	400	400	100		390	98		51-130	3		20
2-Butanone	ND	400	460	115		460	115		63-138	0		20
4-Methyl-2-pentanone	ND	400	390	98		390	98		59-130	0		20
2-Hexanone	ND	400	370	92		380	95		57-130	3		20
Bromochloromethane	ND	400	440	110		430	108		70-130	2		20
1,2-Dibromoethane	ND	400	450	113		460	115		70-130	2		20
1,2-Dibromo-3-chloropropane	ND	400	370	92		380	95		41-144	3		20
Isopropylbenzene	ND	400	380	95		370	92		70-130	3		20
1,2,3-Trichlorobenzene	ND	400	280	70		310	78		70-130	10		20

Matrix Spike Analysis

Batch Quality Control

Project Name: JEFFERSON WOLLENSACK
Project Number: 2182207
Lab Number: L2020006
Report Date: 05/20/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07,09-10 QC Batch ID: WG1372229-6 WG1372229-7 QC Sample: L2020006-01 Client ID: BW-01												
1,2,4-Trichlorobenzene	ND	400	300	75		300	75		70-130	0		20
Methyl Acetate	ND	400	410	103		410	103		70-130	0		20
Cyclohexane	ND	400	460	115		440	110		70-130	4		20
1,4-Dioxane	ND	20000	31000	155		23000	115		56-162	**30**	Q	20
Freon-113	ND	400	460	115		430	108		70-130	7		20
Methyl cyclohexane	ND	400	440	110		410	103		70-130	7		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		117		70-130
4-Bromofluorobenzene	105		104		70-130
Dibromofluoromethane	109		108		70-130
Toluene-d8	104		106		70-130

Project Name: JEFFERSON WOLLENSACK
Project Number: 2182207

Lab Number: L2020006
Report Date: 05/20/20

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2020006-01A	Vial HCl preserved	A	NA		5.3	Y	Absent		NYTCL-8260-R2(14)
L2020006-01A1	Vial HCl preserved	A	NA		5.3	Y	Absent		NYTCL-8260-R2(14)
L2020006-01A2	Vial HCl preserved	A	NA		5.3	Y	Absent		NYTCL-8260-R2(14)
L2020006-01B	Vial HCl preserved	A	NA		5.3	Y	Absent		NYTCL-8260-R2(14)
L2020006-01B1	Vial HCl preserved	A	NA		5.3	Y	Absent		NYTCL-8260-R2(14)
L2020006-01B2	Vial HCl preserved	A	NA		5.3	Y	Absent		NYTCL-8260-R2(14)
L2020006-01C	Vial HCl preserved	A	NA		5.3	Y	Absent		NYTCL-8260-R2(14)
L2020006-01C1	Vial HCl preserved	A	NA		5.3	Y	Absent		NYTCL-8260-R2(14)
L2020006-01C2	Vial HCl preserved	A	NA		5.3	Y	Absent		NYTCL-8260-R2(14)
L2020006-02A	Vial HCl preserved	A	NA		5.3	Y	Absent		NYTCL-8260-R2(14)
L2020006-02B	Vial HCl preserved	A	NA		5.3	Y	Absent		NYTCL-8260-R2(14)
L2020006-02C	Vial HCl preserved	A	NA		5.3	Y	Absent		NYTCL-8260-R2(14)
L2020006-03A	Vial HCl preserved	A	NA		5.3	Y	Absent		NYTCL-8260-R2(14)
L2020006-03B	Vial HCl preserved	A	NA		5.3	Y	Absent		NYTCL-8260-R2(14)
L2020006-03C	Vial HCl preserved	A	NA		5.3	Y	Absent		NYTCL-8260-R2(14)
L2020006-04A	Vial HCl preserved	A	NA		5.3	Y	Absent		NYTCL-8260-R2(14)
L2020006-04B	Vial HCl preserved	A	NA		5.3	Y	Absent		NYTCL-8260-R2(14)
L2020006-04C	Vial HCl preserved	A	NA		5.3	Y	Absent		NYTCL-8260-R2(14)
L2020006-05A	Vial HCl preserved	A	NA		5.3	Y	Absent		NYTCL-8260-R2(14)
L2020006-05B	Vial HCl preserved	A	NA		5.3	Y	Absent		NYTCL-8260-R2(14)
L2020006-05C	Vial HCl preserved	A	NA		5.3	Y	Absent		NYTCL-8260-R2(14)
L2020006-06A	Vial HCl preserved	A	NA		5.3	Y	Absent		NYTCL-8260-R2(14)
L2020006-06B	Vial HCl preserved	A	NA		5.3	Y	Absent		NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name: JEFFERSON WOLLENSACK
Project Number: 2182207

Lab Number: L2020006
Report Date: 05/20/20

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2020006-06C	Vial HCl preserved	A	NA		5.3	Y	Absent		NYTCL-8260-R2(14)
L2020006-07A	Vial HCl preserved	A	NA		5.3	Y	Absent		NYTCL-8260-R2(14)
L2020006-07B	Vial HCl preserved	A	NA		5.3	Y	Absent		NYTCL-8260-R2(14)
L2020006-07C	Vial HCl preserved	A	NA		5.3	Y	Absent		NYTCL-8260-R2(14)
L2020006-08A	Vial HCl preserved	A	NA		5.3	Y	Absent		NYTCL-8260-R2(14)
L2020006-08B	Vial HCl preserved	A	NA		5.3	Y	Absent		NYTCL-8260-R2(14)
L2020006-08C	Vial HCl preserved	A	NA		5.3	Y	Absent		NYTCL-8260-R2(14)
L2020006-09A	Vial HCl preserved	A	NA		5.3	Y	Absent		NYTCL-8260-R2(14)
L2020006-09B	Vial HCl preserved	A	NA		5.3	Y	Absent		NYTCL-8260-R2(14)
L2020006-09C	Vial HCl preserved	A	NA		5.3	Y	Absent		NYTCL-8260-R2(14)
L2020006-10A	Vial HCl preserved	A	NA		5.3	Y	Absent		NYTCL-8260-R2(14)
L2020006-10B	Vial HCl preserved	A	NA		5.3	Y	Absent		NYTCL-8260-R2(14)
L2020006-10C	Vial HCl preserved	A	NA		5.3	Y	Absent		NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name:	JEFFERSON WOLLENSACK	**Lab Number:**	L2020006
Project Number:	2182207	**Report Date:**	05/20/20

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

Report Format: DU Report with 'J' Qualifiers

Project Name:	JEFFERSON WOLLENSACK	**Lab Number:**	L2020006
Project Number:	2182207	**Report Date:**	05/20/20

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration

Project Name:	JEFFERSON WOLLENSACK	**Lab Number:**	L2020006
Project Number:	2182207	**Report Date:**	05/20/20

Data Qualifiers

Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Report Format: DU Report with 'J' Qualifiers

Project Name: JEFFERSON WOLLENSACK **Lab Number:** L2020006
Project Number: 2182207 **Report Date:** 05/20/20

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
EPA TO-12 Non-methane organics
EPA 3C Fixed gases
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page of

Date Rec'd in Lab: 5/15/20

ALPHA Job #: L2000006

Client Information
Client: LaBella
Address: 300 State Street
Rochester, NY 14614
Phone: 585-454-6110
Fax:
Email: mpelychaty@labellapc.com

Project Information
Project Name: Jefferson Wollensack
Project Location: Rochester, NY
Project # 2182207
(Use Project name as Project #) ☐
Project Manager: Mike Pelychaty
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☒ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☐ Same as Client Info
PO # 2182207

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs + TICs 8260	Sample Specific Comments	Total Bottle
20006-01	BW-01	5/12	9:00	water	CJD2	x	MS/MSD here	9
-02	SB-MW-14	5/12	9:20			x		3
-03	SB-MW-15	5/12	10:10			x		
-04	RIMW-16	5/13	8:50			x		
-05	SBMW-07	5/12	10:40			x		
-06	RIMW-04	5/13	9:40			x		
-07	SB-MW-16	5/13	11:00			x		
-08	RIMW-02	5/13	10:10			x		
-09	BW-03	5/13	13:30			x		
-10	QA/QC	5/12	—			x		

Container Type
Preservative

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
	5/14/20 15:00	RCunningham AAL	5/14/20 14:50
RCunningham AAL	5/14/20 14:60		5/15/20 00:40

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

July 9, 2020

Charlotte Theobald
NYS Department of Environmental Conservation
6274 East Avon-Lima Road
Avon, New York 14414

RE: **JUNE 2020 Monthly Progress Report**
Former Wollensack Optical Site – C828209
872 & 886 Hudson Avenue, Rochester, New York
LaBella Project #2182207

Dear Ms. Theobald,

LaBella Associates, D.P.C. ("LaBella") is pleased to submit this Monthly Progress Report (MPR) associated with the New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP) Site (BCP ID No. C828209) located at 872 & 886 Hudson Avenue, Rochester, New York, hereinafter referred to as the "Site." Below is a summary of activities completed in the previous month (JUNE 2020) and planned for this month (JULY 2020).

Activities in Prior Month (JUNE 2020)

- **12-Week Post Injection Groundwater Monitoring** - Groundwater samples were collected from wells BW-01, BW-03, SB-MW-14, SB-MW-15, SB-MW-16, RIMW-02, RIMW-04. RIMW-16, RIMW-19S, RIMW-19D, and SBMW-07 in general accordance with the NYSDEC work plan. In addition, a round of static water levels were collected from each well at the Site.
- Completion of the installation of the piping for the groundwater treatment system.
- Excavation monitoring and implementation of the CAMP during excavations for the parking lot drainage system.

Activity Modifications

- Wells RIMW-19S/19D was sampled with a bailer as permanganate was observed within the well as there was a concern it would damage the sampling equipment.
- Due to the presence of utilities within the Site building's basement, the elevation of the treatment piping needed to be raised, as such, the injection port is located above grade on the eastern exterior of the building. This modification will be detailed in the Construction Completion Report.

Activities Planned for this Month (JULY 2020)

- Removal of north tank. This work is scheduled to being on July 13th.

Sampling/Testing Results

The following sampling/testing results were received during this reporting period:

- Groundwater results for the 12-week post injection sampling event (lab report L2027694). In addition, attached is a summary table of the post injection monitoring results along with the pre injection groundwater VOC testing results. Overall, the testing results show a decrease in the concentrations of chemicals of concern at the monitoring wells within and downgradient of the treatment area.

Unresolved Delays Encountered or Anticipated

None.

Percentage of Completion

To date, the following key items have been completed as part of the BCP project:

- RIWP Approval
- Interim Site Management Plan submitted to NYSDEC/NYSDOH (pending approval)
- SSDS Work Plan submitted to NYSDEC/NYSDOH (pending approval)
- RI Report Approval
- IRM Work Plan Approval
- IRM RAOC #1 Design Document
- IRM RAOC #1 Implementation – 90%

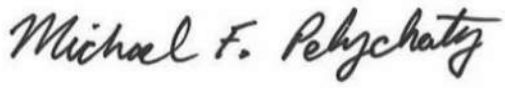
Citizen Participation Plan Activities

No Citizen Participation Plan Activities were undertaken during this reporting report.

If you have any questions or require additional information please do not hesitate to contact me at 585-295-6253.

Respectfully submitted,

LaBella Associates



Michael F. Pelychaty, PG
Sr. Environmental Geologist

Attachments

cc: Carolyn Vitale – Jefferson Wollensack LLC
Amy Reichhart – Nixon Peabody LLP
Chris Roland – Edgemere Development
Arunesh Ghosh – NYSDOH
Justin Deming – NYSDOH
Joseph Biondolillo – City of Rochester DEQ
John Frazer – MCHD
Wade Silkworth – MCHD

I:\Jefferson Wollensack LLC\2182207 - 872 & 886 Hudson Brownfield\Reports\Monthly Progress Reports\2020-06 June\MPR.2020-06.C828209 Jefferson Wollensack June 2020.docx

SAMPLING/TESTING RESULTS

REFERNCE PAGE

Former Wollensack Optical - C828209
872 & 886 Hudson Avenue, Rochester, New York
LaBella Project #2182207

All values displayed in milligrams per liter (ug/l) or parts per billion (ppb)

U indicates compound not detected above the indicated laboratory Method Detection Limit (MDL)

ND indicates not detected above laboratory MDL

Gray highlight indicates the MDL was above the NYCRRR Part 703 Groundwater Quality Standard

Yellow highlight indicates that the compound was detected at a concentration above NYCRR Part 703 Groundwater Quality Standard

J indicates an estimated value

VOCs analyzed by USEPA Method 8260

D denotes diluted sample

NL denotes Not Listed

-- Not Applicable or not reported

Q denoted laboratory qualifier

Conc denotes concentration

Well ID: BW-01

Post Injection Groundwater Monitoring
Former Wollensack Optical - C828209
872 & 886 Hudson Avenue, Rochester, New York
LaBella Project #2182207

SAMPLE ID:	CAS #	Units	NYCRR Part 703 Groundwater Quality Standards	BW-01		BW-01			BW-01			QA/QC		
LAB ID:				--		L2020006-01			L2027694-04			L2027694-12		
COLLECTION DATE:				8/14/2018		5/12/2020			6/30/2020			6/30/2020		
SCREEN DEPTH:				24.5'-33.5'		24.5'-33.5'			24.5'-33.5'			24.5'-33.5'		
SAMPLE MATRIX:				WATER		WATER			WATER			WATER		
						Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
1,1,1-Trichloroethane	71-55-6	ug/l	5	1	U	28	U	28	35	U	35	35	U	35
1,1,2,2-Tetrachloroethane	79-34-5	ug/l	5	1	U	6.7	U	6.7	8.4	U	8.4	8.4	U	8.4
1,1,2-Trichloroethane	79-00-5	ug/l	1	1	U	20	U	20	25	U	25	25	U	25
1,1-Dichloroethane	75-34-3	ug/l	5	1	U	28	U	28	35	U	35	35	U	35
1,1-Dichloroethene	75-35-4	ug/l	5	1	U	6.8	U	6.8	8.4	U	8.4	8.4	U	8.4
1,2,3-Trichlorobenzene	87-61-6	ug/l	5	1	U	28	U	28	35	U	35	35	U	35
1,2,4-Trichlorobenzene	120-82-1	ug/l	5	1	U	28	U	28	35	U	35	35	U	35
1,2-Dibromo-3-chloropropane	96-12-8	ug/l	0.04	5	U	28	U	28	35	U	35	35	U	35
1,2-Dibromoethane	106-93-4	ug/l	0.0006	1	U	26	U	26	32	U	32	32	U	32
1,2-Dichlorobenzene	95-50-1	ug/l	3	1	U	28	U	28	35	U	35	35	U	35
1,2-Dichloroethane	107-06-2	ug/l	0.6	1	U	5.3	U	5.3	6.6	U	6.6	6.6	U	6.6
1,2-Dichloropropane	78-87-5	ug/l	1	--		5.5	U	5.5	6.8	U	6.8	6.8	U	6.8
1,3-Dichlorobenzene	541-73-1	ug/l	3	1	U	28	U	28	35	U	35	35	U	35
1,4-Dichlorobenzene	106-46-7	ug/l	3	1	U	28	U	28	35	U	35	35	U	35
1,4-Dioxane	123-91-1	ug/l	NL	--		2400	U	2400	3000	U	3000	3000	U	3000
2-Butanone	78-93-3	ug/l	50	10	U	78	U	78	97	U	97	97	U	97
2-Hexanone	591-78-6	ug/l	50	10	U	40	U	40	50	U	50	50	U	50
4-Methyl-2-pentanone	108-10-1	ug/l	NL	10	U	40	U	40	50	U	50	50	U	50
Acetone	67-64-1	ug/l	50	7	J	58	U	58	73	U	73	73	U	73
Benzene	71-43-2	ug/l	1	0.63		6.4	U	6.4	8	U	8	8	U	8
Bromochloromethane	74-97-5	ug/l	5	1	U	28	U	28	35	U	35	35	U	35
Bromodichloromethane	75-27-4	ug/l	50	1	U	7.7	U	7.7	9.6	U	9.6	9.6	U	9.6
Bromoform	75-25-2	ug/l	50	1	U	26	U	26	32	U	32	32	U	32
Bromomethane	74-83-9	ug/l	5	1	U	28	U	28	35	U	35	35	U	35
Carbon disulfide	75-15-0	ug/l	60	1	U	40	U	40	50	U	50	50	U	50
Carbon tetrachloride	56-23-5	ug/l	5	1	U	5.4	U	5.4	6.7	U	6.7	6.7	U	6.7
Chlorobenzene	108-90-7	ug/l	5	1	U	28	U	28	35	U	35	35	U	35
Chloroethane	75-00-3	ug/l	5	5	U	28	U	28	35	U	35	35	U	35
Chloroform	67-66-3	ug/l	7	5	U	28	U	28	35	U	35	35	U	35
Chloromethane	74-87-3	ug/l	NL	2.5	U	28	U	28	35	U	35	35	U	35
cis-1,2-Dichloroethene	156-59-2	ug/l	5	**10**		**180**		28	**220**		35	**230**		35
cis-1,3-Dichloropropene	10061-01-5	ug/l	0.4	--		5.8	U	5.8	7.2	U	7.2	7.2	U	7.2
Cyclohexane	110-82-7	ug/l	NL	0.6	J	11	U	11	14	U	14	14	U	14
Dibromochloromethane	124-48-1	ug/l	50	--		6	U	6	7.4	U	7.4	7.4	U	7.4
Dichlorodifluoromethane	75-71-8	ug/l	5	5	U	40	U	40	50	U	50	50	U	50
Ethylbenzene	100-41-4	ug/l	5	1	U	28	U	28	35	U	35	35	U	35
Freon-113	76-13-1	ug/l	5	--		28	U	28	35	U	35	35	U	35
Isopropylbenzene	98-82-8	ug/l	5	1	U	28	U	28	35	U	35	35	U	35
Methyl Acetate	79-20-9	ug/l	NL	20	U	9.4	U	9.4	12	U	12	12	U	12
Methyl cyclohexane	108-87-2	ug/l	NL	1	U	16	U	16	20	U	20	20	U	20
Methyl tert butyl ether	1634-04-4	ug/l	10	2.81		28	U	28	35	U	35	35	U	35
Methylene chloride	75-09-2	ug/l	5	5	U	28	U	28	35	U	35	35	U	35
o-Xylene	95-47-6	ug/l	5	1	U	28	U	28	35	U	35	35	U	35
p/m-Xylene	179601-23-1	ug/l	5	2	U	28	U	28	35	U	35	35	U	35
Styrene	100-42-5	ug/l	5	5	U	28	U	28	35	U	35	35	U	35
Tetrachloroethene	127-18-4	ug/l	5	3.0		**13**	**J**	7.2	**14**	**J**	9	**15**	**J**	9
Toluene	108-88-3	ug/l	5	1	U	28	U	28	35	U	35	35	U	35
trans-1,2-Dichloroethene	156-60-5	ug/l	5	1.8	J	28	U	28	35	U	35	35	U	35
trans-1,3-Dichloropropene	10061-02-6	ug/l	0.4	1	U	6.6	U	6.6	8.2	U	8.2	8.2	U	8.2
Trichloroethene	79-01-6	ug/l	5	**130**		**4500**		7	**5400**		8.8	**6000**		8.8
Trichlorofluoromethane	75-69-4	ug/l	5	5	U	28	U	28	35	U	35	35	U	35
Vinyl chloride	75-01-4	ug/l	2	1	U	2.8	U	2.8	3.6	U	3.6	3.6	U	3.6
Total VOCs	--	ug/l	NL	155.84	J	4693	-	-	5634	-	-	6245	-	-
Total TICs	--	ug/l	NL	--		230	J		0			0		
Total TICs and VOCs		ug/l	NL	--		4923	J		5634			6245		0

Well ID: BW-03

Post Injection Groundwater Monitoring
Former Wollensack Optical - C828209
872 & 886 Hudson Avenue, Rochester, New York
LaBella Project #2182207

SAMPLE ID:	CAS #	Units	NYCRR Part 703 Groundwater Quality Standards	BW-03		BW-03			BW-03 (6-29-2020)		
LAB ID:				--		L2020006-09			L2027694-03		
COLLECTION DATE:				8/14/2020		5/13/2020			6/29/2020		
SCREEN OR ROCK SAMPLE DEPTH:				24.2'-29.4'		24.2'-29.4'			24.2'-29.4'		
SAMPLE MATRIX:				WATER		WATER			WATER		
						Conc	Q	MDL	Conc	Q	MDL
1,1,1-Trichloroethane	71-55-6	ug/l	5	1	U	14	U	14	18	U	18
1,1,2,2-Tetrachloroethane	79-34-5	ug/l	5	1	U	3.3	U	3.3	4.2	U	4.2
1,1,2-Trichloroethane	79-00-5	ug/l	1	1	U	10	U	10	12	U	12
1,1-Dichloroethane	75-34-3	ug/l	5	1	U	14	U	14	18	U	18
1,1-Dichloroethene	75-35-4	ug/l	5	**20**	J	**14**		3.4	**10**	J	4.2
1,2,3-Trichlorobenzene	87-61-6	ug/l	5	1	U	14	U	14	18	U	18
1,2,4-Trichlorobenzene	120-82-1	ug/l	5	1	U	14	U	14	18	U	18
1,2-Dibromo-3-chloropropane	96-12-8	ug/l	0.04	5	U	14	U	14	18	U	18
1,2-Dibromoethane	106-93-4	ug/l	0.0006	1	U	13	U	13	16	U	16
1,2-Dichlorobenzene	95-50-1	ug/l	3	1	U	14	U	14	18	U	18
1,2-Dichloroethane	107-06-2	ug/l	0.6	1	U	2.6	U	2.6	3.3	U	3.3
1,2-Dichloropropane	78-87-5	ug/l	1	--		2.7	U	2.7	3.4	U	3.4
1,3-Dichlorobenzene	541-73-1	ug/l	3	1	U	14	U	14	18	U	18
1,4-Dichlorobenzene	106-46-7	ug/l	3	1	U	14	U	14	18	U	18
1,4-Dioxane	123-91-1	ug/l	NL	--		1200	U	1200	1500	U	1500
2-Butanone	78-93-3	ug/l	50	10	U	39	U	39	48	U	48
2-Hexanone	591-78-6	ug/l	50	10	U	20	U	20	25	U	25
4-Methyl-2-pentanone	108-10-1	ug/l	NL	10	U	20	U	20	25	U	25
Acetone	67-64-1	ug/l	50	50	U	29	U	29	36	U	36
Benzene	71-43-2	ug/l	1	1	U	3.2	U	3.2	4	U	4
Bromochloromethane	74-97-5	ug/l	5	1	U	14	U	14	18	U	18
Bromodichloromethane	75-27-4	ug/l	50	1	U	3.8	U	3.8	4.8	U	4.8
Bromoform	75-25-2	ug/l	50	1	U	13	U	13	16	U	16
Bromomethane	74-83-9	ug/l	5	1	U	14	U	14	18	U	18
Carbon disulfide	75-15-0	ug/l	60	1	U	20	U	20	25	U	25
Carbon tetrachloride	56-23-5	ug/l	5	1	U	2.7	U	2.7	3.4	U	3.4
Chlorobenzene	108-90-7	ug/l	5	1	U	14	U	14	18	U	18
Chloroethane	75-00-3	ug/l	5	5	U	14	U	14	18	U	18
Chloroform	67-66-3	ug/l	7	5	U	14	U	14	18	U	18
Chloromethane	74-87-3	ug/l	NL	2.5	U	14	U	14	18	U	18
cis-1,2-Dichloroethene	156-59-2	ug/l	5	**1000**		**3300**		14	**2800**		18
cis-1,3-Dichloropropene	10061-01-5	ug/l	0.4	--		2.9	U	2.9	3.6	U	3.6
Cyclohexane	110-82-7	ug/l	NL	1	U	5.4	U	5.4	6.8	U	6.8
Dibromochloromethane	124-48-1	ug/l	50	--		3	U	3	3.7	U	3.7
Dichlorodifluoromethane	75-71-8	ug/l	5	5	U	20	U	20	25	U	25
Ethylbenzene	100-41-4	ug/l	5	1	U	14	U	14	18	U	18
Freon-113	76-13-1	ug/l	5	--		14	U	14	18	U	18
Isopropylbenzene	98-82-8	ug/l	5	1	U	14	U	14	18	U	18
Methyl Acetate	79-20-9	ug/l	NL	20	U	4.7	U	4.7	5.8	U	5.8
Methyl cyclohexane	108-87-2	ug/l	NL	1	U	7.9	U	7.9	9.9	U	9.9
Methyl tert butyl ether	1634-04-4	ug/l	10	1	U	14	U	14	18	U	18
Methylene chloride	75-09-2	ug/l	5	5	U	14	U	14	18	U	18
o-Xylene	95-47-6	ug/l	5	1	U	14	U	14	18	U	18
p/m-Xylene	179601-23-1	ug/l	5	2	U	14	U	14	18	U	18
Styrene	100-42-5	ug/l	5	5	U	14	U	14	18	U	18
Tetrachloroethene	127-18-4	ug/l	5	1	U	3.6	U	3.6	4.5	U	4.5
Toluene	108-88-3	ug/l	5	1	U	14	U	14	18	U	18
trans-1,2-Dichloroethene	156-60-5	ug/l	5	1	U	14	U	14	18	U	18
trans-1,3-Dichloropropene	10061-02-6	ug/l	0.4	1	U	3.3	U	3.3	4.1	U	4.1
Trichloroethene	79-01-6	ug/l	5	**7200**		**120**		3.5	**13**		4.4
Trichlorofluoromethane	75-69-4	ug/l	5	5	U	14	U	14	18	U	18
Vinyl chloride	75-01-4	ug/l	2	1	U	**24**		1.4	**32**		1.8
Total VOCs	--	ug/l	NL	8220	J	3458	-	-	2855	-	-
Total TICs	--	ug/l	NL	--		0			0		
Total TICs and VOCs	--	ug/l	NL	--		3458			2855		

Well ID: RIMW-02

Post Injection Groundwater Monitoring
Former Wollensack Optical - C828209
872 & 886 Hudson Avenue, Rochester, New York
LaBella Project #2182207

SAMPLE ID:	CAS #	Units	NYCRR Part 703 Groundwater Quality Standards	R1MW-02		R1MW-02			R1MW-02		
LAB ID:				--		L2020006-08			L2027694-07		
COLLECTION DATE:				7/25/2019		5/13/2020			6/30/2020		
SCREEN DEPTH:				1'-6'		1'-6'			1'-6'		
SAMPLE MATRIX:				WATER		WATER			WATER		
				Conc	Q	Conc	Q	MDL	Conc	Q	MDL
1,1,1-Trichloroethane	71-55-6	ug/l	5	0.7	U	1.4	U	1.4	1.4	U	1.4
1,1,2,2-Tetrachloroethane	79-34-5	ug/l	5	0.17	U	0.33	U	0.33	0.33	U	0.33
1,1,2-Trichloroethane	79-00-5	ug/l	1	0.5	U	1	U	1	1	U	1
1,1-Dichloroethane	75-34-3	ug/l	5	0.7	U	1.4	U	1.4	1.4	U	1.4
1,1-Dichloroethene	75-35-4	ug/l	5	0.17	U	0.34	U	0.34	0.34	U	0.34
1,2,3-Trichlorobenzene	87-61-6	ug/l	5	0.7	U	1.4	U	1.4	1.4	U	1.4
1,2,4-Trichlorobenzene	120-82-1	ug/l	5	0.7	U	1.4	U	1.4	1.4	U	1.4
1,2-Dibromo-3-chloropropane	96-12-8	ug/l	0.04	0.7	U	1.4	U	1.4	1.4	U	1.4
1,2-Dibromoethane	106-93-4	ug/l	0.0006	0.65	U	1.3	U	1.3	1.3	U	1.3
1,2-Dichlorobenzene	95-50-1	ug/l	3	0.7	U	1.4	U	1.4	1.4	U	1.4
1,2-Dichloroethane	107-06-2	ug/l	0.6	0.13	U	0.26	U	0.26	0.26	U	0.26
1,2-Dichloropropane	78-87-5	ug/l	1	0.14	U	0.27	U	0.27	0.27	U	0.27
1,3-Dichlorobenzene	541-73-1	ug/l	3	0.7	U	1.4	U	1.4	1.4	U	1.4
1,4-Dichlorobenzene	106-46-7	ug/l	3	0.7	U	1.4	U	1.4	1.4	U	1.4
1,4-Dioxane	123-91-1	ug/l	NL	--		120	U	120	120	U	120
2-Butanone	78-93-3	ug/l	50	1.9	U	4.3	J	3.9	3.9	U	3.9
2-Hexanone	591-78-6	ug/l	50	1	U	2	U	2	2	U	2
4-Methyl-2-pentanone	108-10-1	ug/l	NL	1	U	2	U	2	2	U	2
Acetone	67-64-1	ug/l	50	**7.9**	J	9.4	J	2.9	5.2	J	2.9
Benzene	71-43-2	ug/l	1	0.16	U	0.32	U	0.32	0.32	U	0.32
Bromochloromethane	74-97-5	ug/l	5	--		1.4	U	1.4	1.4	U	1.4
Bromodichloromethane	75-27-4	ug/l	50	0.7	U	0.38	U	0.38	0.38	U	0.38
Bromoform	75-25-2	ug/l	50	0.65	U	1.3	U	1.3	1.3	U	1.3
Bromomethane	74-83-9	ug/l	5	0.7	U	1.4	U	1.4	1.4	U	1.4
Carbon disulfide	75-15-0	ug/l	60	1	U	2	U	2	2	U	2
Carbon tetrachloride	56-23-5	ug/l	5	0.13	U	0.27	U	0.27	0.27	U	0.27
Chlorobenzene	108-90-7	ug/l	5	0.7	U	1.4	U	1.4	1.4	U	1.4
Chloroethane	75-00-3	ug/l	5	0.7	U	1.4	U	1.4	1.4	U	1.4
Chloroform	67-66-3	ug/l	7	**8**		1.7	J	1.4	1.4	U	1.4
Chloromethane	74-87-3	ug/l	NL	0.7	U	1.4	U	1.4	1.4	U	1.4
cis-1,2-Dichloroethene	156-59-2	ug/l	5	**14**		1.9	J	1.4	4.8	J	1.4
cis-1,3-Dichloropropene	10061-01-5	ug/l	0.4	0.14	U	0.29	U	0.29	0.29	U	0.29
Cyclohexane	110-82-7	ug/l	NL	0.27	U	0.54	U	0.54	0.54	U	0.54
Dibromochloromethane	124-48-1	ug/l	50	0.15	U	0.3	U	0.3	0.3	U	0.3
Dichlorodifluoromethane	75-71-8	ug/l	5	1	U	2	U	2	2	U	2
Ethylbenzene	100-41-4	ug/l	5	0.7	U	1.4	U	1.4	1.4	U	1.4
Freon-113	76-13-1	ug/l	5	0.7	U	1.4	U	1.4	1.4	U	1.4
Isopropylbenzene	98-82-8	ug/l	5	0.7	U	1.4	U	1.4	1.4	U	1.4
Methyl Acetate	79-20-9	ug/l	NL	0.23	U	0.47	U	0.47	0.47	U	0.47
Methyl cyclohexane	108-87-2	ug/l	NL	0.4	U	0.79	U	0.79	0.81	J	0.79
Methyl tert butyl ether	1634-04-4	ug/l	10	0.7	U	1.4	U	1.4	1.4	U	1.4
Methylene chloride	75-09-2	ug/l	5	0.7	U	1.4	U	1.4	1.4	U	1.4
o-Xylene	95-47-6	ug/l	5	0.7	U	1.4	U	1.4	1.4	U	1.4
p/m-Xylene	179601-23-1	ug/l	5	0.7	U	1.4	U	1.4	1.4	U	1.4
Styrene	100-42-5	ug/l	5	0.7	U	1.4	U	1.4	1.4	U	1.4
Tetrachloroethene	127-18-4	ug/l	5	**31**		**9.3**		0.36	**23**		0.36
Toluene	108-88-3	ug/l	5	0.7	U	1.4	U	1.4	1.4	U	1.4
trans-1,2-Dichloroethene	156-60-5	ug/l	5	0.7	U	1.4	U	1.4	1.4	U	1.4
trans-1,3-Dichloropropene	10061-02-6	ug/l	0.4	0.16	U	0.33	U	0.33	0.33	U	0.33
Trichloroethene	79-01-6	ug/l	5	**200**		**53**		0.35	**98**		0.35
Trichlorofluoromethane	75-69-4	ug/l	5	0.7	U	1.4	U	1.4	1.4	U	1.4
Vinyl chloride	75-01-4	ug/l	2	0.44	J	0.18	J	0.14	0.84	J	0.14
Total VOCs	--	ug/l	NL	261.34	J	79.78	-	-	132.65	-	-
Total TICs	--	ug/l	NL	ND		106	J		93.7	J	
Total TICs and VOCs	--	ug/l	NL	261.34	J	185.78	J		226.35	J	

Well ID: RIMW-04

Post Injection Groundwater Monitoring
Former Wollensack Optical - C828209
872 & 886 Hudson Avenue, Rochester, New York
LaBella Project #2182207

SAMPLE ID:	CAS #	Units	NYCRR Part 703 Groundwater Quality Standards	R1MW-04		R1MW-04			R1MW-04		
LAB ID:				--		L2020006-06			L2027694-06		
COLLECTION DATE:				7/25/2019		5/13/2020			6/30/2020		
SCREEN DEPTH:				2'-7'		2'-7'			2'-7'		
SAMPLE MATRIX:				WATER		WATER			WATER		
				Conc	Q	Conc	Q	MDL	Conc	Q	MDL
1,1,1-Trichloroethane	71-55-6	ug/l	5	0.7	U	1.4	U	1.4	1.8	U	1.8
1,1,2,2-Tetrachloroethane	79-34-5	ug/l	5	0.17	U	0.33	U	0.33	0.42	U	0.42
1,1,2-Trichloroethane	79-00-5	ug/l	1	0.5	U	1	U	1	1.2	U	1.2
1,1-Dichloroethane	75-34-3	ug/l	5	0.7	U	1.4	U	1.4	1.8	U	1.8
1,1-Dichloroethene	75-35-4	ug/l	5	**0.18**	J	0.34	U	0.34	0.42	U	0.42
1,2,3-Trichlorobenzene	87-61-6	ug/l	5	0.7	U	1.4	U	1.4	1.8	U	1.8
1,2,4-Trichlorobenzene	120-82-1	ug/l	5	0.7	U	1.4	U	1.4	1.8	U	1.8
1,2-Dibromo-3-chloropropane	96-12-8	ug/l	0.04	0.7	U	1.4	U	1.4	1.8	U	1.8
1,2-Dibromoethane	106-93-4	ug/l	0.0006	0.65	U	1.3	U	1.3	1.6	U	1.6
1,2-Dichlorobenzene	95-50-1	ug/l	3	0.7	U	1.4	U	1.4	1.8	U	1.8
1,2-Dichloroethane	107-06-2	ug/l	0.6	0.13	U	0.26	U	0.26	0.33	U	0.33
1,2-Dichloropropane	78-87-5	ug/l	1	0.14	U	0.27	U	0.27	0.34	U	0.34
1,3-Dichlorobenzene	541-73-1	ug/l	3	0.7	U	1.4	U	1.4	1.8	U	1.8
1,4-Dichlorobenzene	106-46-7	ug/l	3	0.7	U	1.4	U	1.4	1.8	U	1.8
1,4-Dioxane	123-91-1	ug/l	NL	--		120	U	120	150	U	150
2-Butanone	78-93-3	ug/l	50	1.9	U	9	J	3.9	4.8	U	4.8
2-Hexanone	591-78-6	ug/l	50	1	U	2	U	2	2.5	U	2.5
4-Methyl-2-pentanone	108-10-1	ug/l	NL	1	U	2	U	2	2.5	U	2.5
Acetone	67-64-1	ug/l	50	**60**		44		2.9	3.6	U	3.6
Benzene	71-43-2	ug/l	1	0.16	J	0.32	U	0.32	0.4	U	0.4
Bromochloromethane	74-97-5	ug/l	5	**--**		1.4	U	1.4	1.8	U	1.8
Bromodichloromethane	75-27-4	ug/l	50	0.7	U	0.38	U	0.38	0.48	U	0.48
Bromoform	75-25-2	ug/l	50	0.65	U	1.3	U	1.3	1.6	U	1.6
Bromomethane	74-83-9	ug/l	5	0.7	U	1.4	U	1.4	1.8	U	1.8
Carbon disulfide	75-15-0	ug/l	60	1	U	2	U	2	2.5	U	2.5
Carbon tetrachloride	56-23-5	ug/l	5	0.13	U	0.27	U	0.27	0.34	U	0.34
Chlorobenzene	108-90-7	ug/l	5	0.7	U	1.4	U	1.4	1.8	U	1.8
Chloroethane	75-00-3	ug/l	5	0.7	U	1.4	U	1.4	1.8	U	1.8
Chloroform	67-66-3	ug/l	7	**3.2**		2	J	1.4	1.8	U	1.8
Chloromethane	74-87-3	ug/l	NL	**0.77**	J	1.4	U	1.4	1.8	U	1.8
cis-1,2-Dichloroethene	156-59-2	ug/l	5	**7.4**		**41**		1.4	**31**		1.8
cis-1,3-Dichloropropene	10061-01-5	ug/l	0.4	0.14	U	0.29	U	0.29	0.36	U	0.36
Cyclohexane	110-82-7	ug/l	NL	0.28	J	0.54	U	0.54	0.68	U	0.68
Dibromochloromethane	124-48-1	ug/l	50	0.15	U	0.3	U	0.3	0.37	U	0.37
Dichlorodifluoromethane	75-71-8	ug/l	5	1	U	2	U	2	2.5	U	2.5
Ethylbenzene	100-41-4	ug/l	5	0.7	U	1.4	U	1.4	1.8	U	1.8
Freon-113	76-13-1	ug/l	5	0.7	U	1.4	U	1.4	1.8	U	1.8
Isopropylbenzene	98-82-8	ug/l	5	0.7	U	1.4	U	1.4	1.8	U	1.8
Methyl Acetate	79-20-9	ug/l	NL	0.23	U	0.47	U	0.47	0.58	U	0.58
Methyl cyclohexane	108-87-2	ug/l	NL	1.4	J	0.79	U	0.79	0.99	U	0.99
Methyl tert butyl ether	1634-04-4	ug/l	10	0.7	U	1.4	U	1.4	1.8	U	1.8
Methylene chloride	75-09-2	ug/l	5	0.7	U	1.4	U	1.4	1.8	U	1.8
o-Xylene	95-47-6	ug/l	5	0.7	U	1.4	U	1.4	1.8	U	1.8
p/m-Xylene	179601-23-1	ug/l	5	0.7	U	1.4	U	1.4	1.8	U	1.8
Styrene	100-42-5	ug/l	5	0.7	U	1.4	U	1.4	1.8	U	1.8
Tetrachloroethene	127-18-4	ug/l	5	**43**		**180**		0.36	**130**		0.45
Toluene	108-88-3	ug/l	5	0.7	U	1.4	U	1.4	1.8	U	1.8
trans-1,2-Dichloroethene	156-60-5	ug/l	5	1.2	J	**7**		1.4	**5.4**	**J**	1.8
trans-1,3-Dichloropropene	10061-02-6	ug/l	0.4	0.16	U	0.33	U	0.33	0.41	U	0.41
Trichloroethene	79-01-6	ug/l	5	**120**		**290**		0.35	**220**		0.44
Trichlorofluoromethane	75-69-4	ug/l	5	0.7	U	1.4	U	1.4	1.8	U	1.8
Vinyl chloride	75-01-4	ug/l	2	0.91	J	**12**		0.14	**11**		0.18
Total VOCs	--	ug/l	NL	237.3	J	585	-	-	397.4	-	-
Total TICs	--	ug/l	NL	ND		25.7	J		60.5	J	
Total TICs and VOCs	--	ug/l	NL	237.3	J	610.7	J		457.9	J	-

Well ID: RIMW-16R

Post Injection Groundwater Monitoring
Former Wollensack Optical - C828209
872 & 886 Hudson Avenue, Rochester, New York
LaBella Project #2182207

SAMPLE ID:	CAS #	Units	NYCRR Part 703 Groundwater Quality Standards	R1MW-16		R1MW-16R			RMW-16R		
LAB ID:				--		L2020006-04			L2027694-09		
COLLECTION DATE:				7/29/2019		5/13/2020			6/30/2020		
SCREEN DEPTH:				8.4'-23.4'		6'-21'			6'-21'		
SAMPLE MATRIX:				WATER		WATER			WATER		
				Conc	Q	Conc	Q	MDL	Conc	Q	MDL
1,1,1-Trichloroethane	71-55-6	ug/l	5	70	U	28	U	28	18	U	18
1,1,2,2-Tetrachloroethane	79-34-5	ug/l	5	17	U	6.7	U	6.7	4.2	U	4.2
1,1,2-Trichloroethane	79-00-5	ug/l	1	50	U	20	U	20	12	U	12
1,1-Dichloroethane	75-34-3	ug/l	5	70	U	28	U	28	18	U	18
1,1-Dichloroethene	75-35-4	ug/l	5	17	U	6.8	U	6.8	4.2	U	4.2
1,2,3-Trichlorobenzene	87-61-6	ug/l	5	70	U	28	U	28	18	U	18
1,2,4-Trichlorobenzene	120-82-1	ug/l	5	70	U	28	U	28	18	U	18
1,2-Dibromo-3-chloropropane	96-12-8	ug/l	0.04	70	U	28	U	28	18	U	18
1,2-Dibromoethane	106-93-4	ug/l	0.0006	65	U	26	U	26	16	U	16
1,2-Dichlorobenzene	95-50-1	ug/l	3	70	U	28	U	28	18	U	18
1,2-Dichloroethane	107-06-2	ug/l	0.6	13	U	5.3	U	5.3	3.3	U	3.3
1,2-Dichloropropane	78-87-5	ug/l	1	14	U	5.5	U	5.5	3.4	U	3.4
1,3-Dichlorobenzene	541-73-1	ug/l	3	70	U	28	U	28	18	U	18
1,4-Dichlorobenzene	106-46-7	ug/l	3	70	U	28	U	28	18	U	18
1,4-Dioxane	123-91-1	ug/l	NL	--		2400	U	2400	1500	U	1500
2-Butanone	78-93-3	ug/l	50	190	U	78	U	78	48	U	48
2-Hexanone	591-78-6	ug/l	50	100	U	40	U	40	25	U	25
4-Methyl-2-pentanone	108-10-1	ug/l	NL	100	U	40	U	40	25	U	25
Acetone	67-64-1	ug/l	50	150	U	58	U	58	36	U	36
Benzene	71-43-2	ug/l	1	16	U	6.4	U	6.4	4	U	4
Bromochloromethane	74-97-5	ug/l	5	--		28	U	28	18	U	18
Bromodichloromethane	75-27-4	ug/l	50	19	U	7.7	U	7.7	4.8	U	4.8
Bromoform	75-25-2	ug/l	50	65	U	26	U	26	16	U	16
Bromomethane	74-83-9	ug/l	5	70	UJ	28	U	28	18	U	18
Carbon disulfide	75-15-0	ug/l	60	100	U	40	U	40	25	U	25
Carbon tetrachloride	56-23-5	ug/l	5	13	U	5.4	U	5.4	3.4	U	3.4
Chlorobenzene	108-90-7	ug/l	5	70	U	28	U	28	18	U	18
Chloroethane	75-00-3	ug/l	5	70	UJ	28	U	28	18	U	18
Chloroform	67-66-3	ug/l	7	70	U	28	U	28	18	U	18
Chloromethane	74-87-3	ug/l	NL	70	U	28	U	28	18	U	18
cis-1,2-Dichloroethene	156-59-2	ug/l	5	70	U	28	U	28	18	U	18
cis-1,3-Dichloropropene	10061-01-5	ug/l	0.4	14	U	5.8	U	5.8	3.6	U	3.6
Cyclohexane	110-82-7	ug/l	NL	27	U	11	U	11	6.8	U	6.8
Dibromochloromethane	124-48-1	ug/l	50	15	U	6	U	6	3.7	U	3.7
Dichlorodifluoromethane	75-71-8	ug/l	5	100	U	40	U	40	25	U	25
Ethylbenzene	100-41-4	ug/l	5	70	U	28	U	28	18	U	18
Freon-113	76-13-1	ug/l	5	70	U	28	U	28	18	U	18
Isopropylbenzene	98-82-8	ug/l	5	70	U	28	U	28	18	U	18
Methyl Acetate	79-20-9	ug/l	NL	23	U	9.4	U	9.4	5.8	U	5.8
Methyl cyclohexane	108-87-2	ug/l	NL	40	U	16	U	16	9.9	U	9.9
Methyl tert butyl ether	1634-04-4	ug/l	10	70	U	28	U	28	18	U	18
Methylene chloride	75-09-2	ug/l	5	70	U	28	U	28	18	U	18
o-Xylene	95-47-6	ug/l	5	70	U	28	U	28	18	U	18
p/m-Xylene	179601-23-1	ug/l	5	70	U	28	U	28	18	U	18
Styrene	100-42-5	ug/l	5	70	U	28	U	28	18	U	18
Tetrachloroethene	127-18-4	ug/l	5	**66**		**50**		7.2	**60**		4.5
Toluene	108-88-3	ug/l	5	70	U	28	U	28	18	U	18
trans-1,2-Dichloroethene	156-60-5	ug/l	5	70	U	28	U	28	18	U	18
trans-1,3-Dichloropropene	10061-02-6	ug/l	0.4	16	U	6.6	U	6.6	4.1	U	4.1
Trichloroethene	79-01-6	ug/l	5	**13000**	J	**5800**		7	**4400**		4.4
Trichlorofluoromethane	75-69-4	ug/l	5	70	U	28	U	28	18	U	18
Vinyl chloride	75-01-4	ug/l	2	7.1	U	2.8	U	2.8	1.8	U	1.8
Total VOCs	--	ug/l	NL	13,066		5850	-	-	4460	-	-
Total TICs	--	ug/l	NL	ND		0			0		
Total TICs and VOCs	--	ug/l	NL	13,066		5850			4460		

Well ID: RIMW-19S

Post Injection Groundwater Monitoring
Former Wollensack Optical - C828209
872 & 886 Hudson Avenue, Rochester, New York
LaBella Project #2182207

SAMPLE ID:	CAS #	Units	NYCRR Part 703 Groundwater Quality Standards	R1MW-19S		
LAB ID:				L2027694-10		
COLLECTION DATE:				6/30/2020		
SCREEN DEPTH:				5.7'-20.7'		
SAMPLE MATRIX:				WATER		
				Conc	Q	MDL
1,1,1-Trichloroethane	71-55-6	ug/l	5	0.7	U	0.7
1,1,2,2-Tetrachloroethane	79-34-5	ug/l	5	0.17	U	0.17
1,1,2-Trichloroethane	79-00-5	ug/l	1	0.5	U	0.5
1,1-Dichloroethane	75-34-3	ug/l	5	0.7	U	0.7
1,1-Dichloroethene	75-35-4	ug/l	5	0.17	U	0.17
1,2,3-Trichlorobenzene	87-61-6	ug/l	5	0.7	U	0.7
1,2,4-Trichlorobenzene	120-82-1	ug/l	5	0.7	U	0.7
1,2-Dibromo-3-chloropropane	96-12-8	ug/l	0.04	0.7	U	0.7
1,2-Dibromoethane	106-93-4	ug/l	0.0006	0.65	U	0.65
1,2-Dichlorobenzene	95-50-1	ug/l	3	0.7	U	0.7
1,2-Dichloroethane	107-06-2	ug/l	0.6	0.13	U	0.13
1,2-Dichloropropane	78-87-5	ug/l	1	0.14	U	0.14
1,3-Dichlorobenzene	541-73-1	ug/l	3	0.7	U	0.7
1,4-Dichlorobenzene	106-46-7	ug/l	3	0.7	U	0.7
1,4-Dioxane	123-91-1	ug/l	NL	61	U	61
2-Butanone	78-93-3	ug/l	50	4.5	J	1.9
2-Hexanone	591-78-6	ug/l	50	1	U	1
4-Methyl-2-pentanone	108-10-1	ug/l	NL	1	U	1
Acetone	67-64-1	ug/l	50	**78**		1.5
Benzene	71-43-2	ug/l	1	0.16	U	0.16
Bromochloromethane	74-97-5	ug/l	5	0.7	U	0.7
Bromodichloromethane	75-27-4	ug/l	50	0.19	U	0.19
Bromoform	75-25-2	ug/l	50	0.65	U	0.65
Bromomethane	74-83-9	ug/l	5	0.7	U	0.7
Carbon disulfide	75-15-0	ug/l	60	1	U	1
Carbon tetrachloride	56-23-5	ug/l	5	0.13	U	0.13
Chlorobenzene	108-90-7	ug/l	5	0.7	U	0.7
Chloroethane	75-00-3	ug/l	5	0.7	U	0.7
Chloroform	67-66-3	ug/l	7	0.79	J	0.7
Chloromethane	74-87-3	ug/l	NL	0.7	U	0.7
cis-1,2-Dichloroethene	156-59-2	ug/l	5	0.7	U	0.7
cis-1,3-Dichloropropene	10061-01-5	ug/l	0.4	0.14	U	0.14
Cyclohexane	110-82-7	ug/l	NL	0.27	U	0.27
Dibromochloromethane	124-48-1	ug/l	50	0.15	U	0.15
Dichlorodifluoromethane	75-71-8	ug/l	5	1	U	1
Ethylbenzene	100-41-4	ug/l	5	0.7	U	0.7
Freon-113	76-13-1	ug/l	5	0.7	U	0.7
Isopropylbenzene	98-82-8	ug/l	5	0.7	U	0.7
Methyl Acetate	79-20-9	ug/l	NL	0.23	U	0.23
Methyl cyclohexane	108-87-2	ug/l	NL	0.4	U	0.4
Methyl tert butyl ether	1634-04-4	ug/l	10	0.7	U	0.7
Methylene chloride	75-09-2	ug/l	5	0.7	U	0.7
o-Xylene	95-47-6	ug/l	5	0.7	U	0.7
p/m-Xylene	179601-23-1	ug/l	5	0.7	U	0.7
Styrene	100-42-5	ug/l	5	0.7	U	0.7
Tetrachloroethene	127-18-4	ug/l	5	0.18	U	0.18
Toluene	108-88-3	ug/l	5	0.7	U	0.7
trans-1,2-Dichloroethene	156-60-5	ug/l	5	0.7	U	0.7
trans-1,3-Dichloropropene	10061-02-6	ug/l	0.4	0.16	U	0.16
Trichloroethene	79-01-6	ug/l	5	0.18	U	0.18
Trichlorofluoromethane	75-69-4	ug/l	5	0.7	U	0.7
Vinyl chloride	75-01-4	ug/l	2	0.07	U	0.07
Total VOCs	--	ug/l	NL	83.29	-	-
Total TICs	--	ug/l	NL	0		
Total TICs and VOCs	--	ug/l	NL	0		

Well ID: RIMW-19D

Post Injection Groundwater Monitoring
Former Wollensack Optical - C828209
872 & 886 Hudson Avenue, Rochester, New York
LaBella Project #2182207

SAMPLE ID:	CAS #	Units	NYCRR Part 703 Groundwater Quality Standards	R1MW-19D		
LAB ID:				L2027694-11		
COLLECTION DATE:				6/30/2020		
SCREEN DEPTH:				22.3'-30.8'		
SAMPLE MATRIX:				WATER		
				Conc	Q	MDL
1,1,1-Trichloroethane	71-55-6	ug/l	5	7	U	7
1,1,2,2-Tetrachloroethane	79-34-5	ug/l	5	1.7	U	1.7
1,1,2-Trichloroethane	79-00-5	ug/l	1	5	U	5
1,1-Dichloroethane	75-34-3	ug/l	5	7	U	7
1,1-Dichloroethene	75-35-4	ug/l	5	1.7	U	1.7
1,2,3-Trichlorobenzene	87-61-6	ug/l	5	7	U	7
1,2,4-Trichlorobenzene	120-82-1	ug/l	5	7	U	7
1,2-Dibromo-3-chloropropane	96-12-8	ug/l	0.04	7	U	7
1,2-Dibromoethane	106-93-4	ug/l	0.0006	6.5	U	6.5
1,2-Dichlorobenzene	95-50-1	ug/l	3	7	U	7
1,2-Dichloroethane	107-06-2	ug/l	0.6	1.3	U	1.3
1,2-Dichloropropane	78-87-5	ug/l	1	1.4	U	1.4
1,3-Dichlorobenzene	541-73-1	ug/l	3	7	U	7
1,4-Dichlorobenzene	106-46-7	ug/l	3	7	U	7
1,4-Dioxane	123-91-1	ug/l	NL	610	U	610
2-Butanone	78-93-3	ug/l	50	19	U	19
2-Hexanone	591-78-6	ug/l	50	10	U	10
4-Methyl-2-pentanone	108-10-1	ug/l	NL	10	U	10
Acetone	67-64-1	ug/l	50	**94**		**15**
Benzene	71-43-2	ug/l	1	1.6	U	1.6
Bromochloromethane	74-97-5	ug/l	5	7	U	7
Bromodichloromethane	75-27-4	ug/l	50	1.9	U	1.9
Bromoform	75-25-2	ug/l	50	6.5	U	6.5
Bromomethane	74-83-9	ug/l	5	7	U	7
Carbon disulfide	75-15-0	ug/l	60	10	U	10
Carbon tetrachloride	56-23-5	ug/l	5	1.3	U	1.3
Chlorobenzene	108-90-7	ug/l	5	7	U	7
Chloroethane	75-00-3	ug/l	5	7	U	7
Chloroform	67-66-3	ug/l	7	7	U	7
Chloromethane	74-87-3	ug/l	NL	7	U	7
cis-1,2-Dichloroethene	156-59-2	ug/l	5	7	U	7
cis-1,3-Dichloropropene	10061-01-5	ug/l	0.4	1.4	U	1.4
Cyclohexane	110-82-7	ug/l	NL	2.7	U	2.7
Dibromochloromethane	124-48-1	ug/l	50	1.5	U	1.5
Dichlorodifluoromethane	75-71-8	ug/l	5	10	U	10
Ethylbenzene	100-41-4	ug/l	5	7	U	7
Freon-113	76-13-1	ug/l	5	7	U	7
Isopropylbenzene	98-82-8	ug/l	5	7	U	7
Methyl Acetate	79-20-9	ug/l	NL	2.3	U	2.3
Methyl cyclohexane	108-87-2	ug/l	NL	4	U	4
Methyl tert butyl ether	1634-04-4	ug/l	10	7	U	7
Methylene chloride	75-09-2	ug/l	5	7	U	7
o-Xylene	95-47-6	ug/l	5	7	U	7
p/m-Xylene	179601-23-1	ug/l	5	7	U	7
Styrene	100-42-5	ug/l	5	7	U	7
Tetrachloroethene	127-18-4	ug/l	5	1.8	U	1.8
Toluene	108-88-3	ug/l	5	7	U	7
trans-1,2-Dichloroethene	156-60-5	ug/l	5	7	U	7
trans-1,3-Dichloropropene	10061-02-6	ug/l	0.4	1.6	U	1.6
Trichloroethene	79-01-6	ug/l	5	1.8	U	1.8
Trichlorofluoromethane	75-69-4	ug/l	5	7	U	7
Vinyl chloride	75-01-4	ug/l	2	0.71	U	0.71
Total VOCs	--	ug/l	NL	94	-	-
Total TICs	--	ug/l	NL	19.1	J	
Total TICs and VOCs	--	ug/l	NL	113.1	J	

Well ID: SB-MW-07

Post Injection Groundwater Monitoring
Former Wollensack Optical - C828209
872 & 886 Hudson Avenue, Rochester, New York
LaBella Project #2182207

SAMPLE ID:	CAS #	Units	NYCRR Part 703 Groundwater Quality Standards	SB-MW-07		SB-MW-07			SB-MW-07 (6-29-2020)		
LAB ID:				--		L2020006-05			L2027694-01		
COLLECTION DATE:				7/2/2019		5/12/2020			6/29/2020		
SCREEN DEPTH:				12.5-17.5		12.5-17.5			12.5-17.5		
SAMPLE MATRIX:				WATER		WATER			WATER		
						Conc	Q	MDL	Conc	Q	MDL
1,1,1-Trichloroethane	71-55-6	ug/l	5	280	U	70	U	70	35	U	35
1,1,2,2-Tetrachloroethane	79-34-5	ug/l	5	67	U	17	U	17	8.4	U	8.4
1,1,2-Trichloroethane	79-00-5	ug/l	1	200	U	50	U	50	25	U	25
1,1-Dichloroethane	75-34-3	ug/l	5	280	U	70	U	70	35	U	35
1,1-Dichloroethene	75-35-4	ug/l	5	68	U	17	U	17	8.4	U	8.4
1,2,3-Trichlorobenzene	87-61-6	ug/l	5	280	U	70	U	70	35	U	35
1,2,4-Trichlorobenzene	120-82-1	ug/l	5	280	U	70	U	70	35	U	35
1,2-Dibromo-3-chloropropane	96-12-8	ug/l	0.04	280	U	70	U	70	35	U	35
1,2-Dibromoethane	106-93-4	ug/l	0.0006	260	U	65	U	65	32	U	32
1,2-Dichlorobenzene	95-50-1	ug/l	3	280	U	70	U	70	35	U	35
1,2-Dichloroethane	107-06-2	ug/l	0.6	53	U	13	U	13	6.6	U	6.6
1,2-Dichloropropane	78-87-5	ug/l	1	55	U	14	U	14	6.8	U	6.8
1,3-Dichlorobenzene	541-73-1	ug/l	3	280	U	70	U	70	35	U	35
1,4-Dichlorobenzene	106-46-7	ug/l	3	280	U	70	U	70	35	U	35
1,4-Dioxane	123-91-1	ug/l	NL	--		6100	U	6100	3000	U	3000
2-Butanone	78-93-3	ug/l	50	780	U	190	U	190	97	U	97
2-Hexanone	591-78-6	ug/l	50	400	U	100	U	100	50	U	50
4-Methyl-2-pentanone	108-10-1	ug/l	NL	400	U	100	U	100	50	U	50
Acetone	67-64-1	ug/l	50	580	U	150	U	150	73	U	73
Benzene	71-43-2	ug/l	1	64	U	16	U	16	8	U	8
Bromochloromethane	74-97-5	ug/l	5	--		70	U	70	35	U	35
Bromodichloromethane	75-27-4	ug/l	50	77	U	19	U	19	9.6	U	9.6
Bromoform	75-25-2	ug/l	50	260	U	65	U	65	32	U	32
Bromomethane	74-83-9	ug/l	5	280	U	70	U	70	35	U	35
Carbon disulfide	75-15-0	ug/l	60	400	U	100	U	100	50	U	50
Carbon tetrachloride	56-23-5	ug/l	5	54	U	13	U	13	6.7	U	6.7
Chlorobenzene	108-90-7	ug/l	5	280	U	70	U	70	35	U	35
Chloroethane	75-00-3	ug/l	5	280	U	70	U	70	35	U	35
Chloroform	67-66-3	ug/l	7	280	U	70	U	70	35	U	35
Chloromethane	74-87-3	ug/l	NL	280	U	70	U	70	35	U	35
cis-1,2-Dichloroethene	156-59-2	ug/l	5	280	U	70	U	70	35	U	35
cis-1,3-Dichloropropene	10061-01-5	ug/l	0.4	58	U	14	U	14	7.2	U	7.2
Cyclohexane	110-82-7	ug/l	NL	110	U	27	U	27	14	U	14
Dibromochloromethane	124-48-1	ug/l	50	60	U	15	U	15	7.4	U	7.4
Dichlorodifluoromethane	75-71-8	ug/l	5	400	U	100	U	100	50	U	50
Ethylbenzene	100-41-4	ug/l	5	280	U	70	U	70	35	U	35
Freon-113	76-13-1	ug/l	5	280	U	70	U	70	35	U	35
Isopropylbenzene	98-82-8	ug/l	5	280	U	70	U	70	35	U	35
Methyl Acetate	79-20-9	ug/l	NL	94	U	23	U	23	12	U	12
Methyl cyclohexane	108-87-2	ug/l	NL	160	U	40	U	40	20	U	20
Methyl tert butyl ether	1634-04-4	ug/l	10	280	U	70	U	70	35	U	35
Methylene chloride	75-09-2	ug/l	5	280	U	70	U	70	35	U	35
o-Xylene	95-47-6	ug/l	5	280	U	70	U	70	35	U	35
p/m-Xylene	179601-23-1	ug/l	5	280	U	70	U	70	35	U	35
Styrene	100-42-5	ug/l	5	280	U	70	U	70	35	U	35
Tetrachloroethene	127-18-4	ug/l	5	**29**	**J**	**81**		18	**16**	**J**	9
Toluene	108-88-3	ug/l	5	280	U	70	U	70	35	U	35
trans-1,2-Dichloroethene	156-60-5	ug/l	5	280	U	70	U	70	35	U	35
trans-1,3-Dichloropropene	10061-02-6	ug/l	0.4	66	U	16	U	16	8.2	U	8.2
Trichloroethene	79-01-6	ug/l	5	**8,000**	**J**	**14000**		18	**4300**		8.8
Trichlorofluoromethane	75-69-4	ug/l	5	280	U	70	U	70	35	U	35
Vinyl chloride	75-01-4	ug/l	2	28	U	7.1	U	7.1	3.6	U	3.6
Total VOCs	--	ug/l	NL	8,029	J	14081	-	-	4316	-	-
Total TICs	--	ug/l	NL	ND		0			0		
Total TICs and VOCs	--	ug/l	NL	8,029	J	14081			4316	U	

Well ID: SB-MW-14

Post Injection Groundwater Monitoring
Former Wollensack Optical - C828209
872 & 886 Hudson Avenue, Rochester, New York
LaBella Project #2182207

SAMPLE ID:	CAS #	Units	NYCRR Part 703 Groundwater Quality Standards	SB-MW-14		SB-MW-14			SB-MW-14		
LAB ID:				--		L2020006-02			L2027694-05		
COLLECTION DATE:				7/3/2019		5/12/2020			6/30/2020		
SCREEN DEPTH:				10'-20'		10'-20'			10'-20'		
SAMPLE MATRIX:				WATER		WATER			WATER		
				Conc	Q	Conc	Q	MDL	Conc	Q	MDL
1,1,1-Trichloroethane	71-55-6	ug/l	5	140	U	350	U	350	700	U	700
1,1,2,2-Tetrachloroethane	79-34-5	ug/l	5	33	U	84	U	84	170	U	170
1,1,2-Trichloroethane	79-00-5	ug/l	1	100	U	250	U	250	500	U	500
1,1-Dichloroethane	75-34-3	ug/l	5	140	U	350	U	350	700	U	700
1,1-Dichloroethene	75-35-4	ug/l	5	**40**	J	84	U	84	170	U	170
1,2,3-Trichlorobenzene	87-61-6	ug/l	5	140	U	350	U	350	700	U	700
1,2,4-Trichlorobenzene	120-82-1	ug/l	5	140	U	350	U	350	700	U	700
1,2-Dibromo-3-chloropropane	96-12-8	ug/l	0.04	140	U	350	U	350	700	U	700
1,2-Dibromoethane	106-93-4	ug/l	0.0006	130	U	320	U	320	650	U	650
1,2-Dichlorobenzene	95-50-1	ug/l	3	140	U	350	U	350	700	U	700
1,2-Dichloroethane	107-06-2	ug/l	0.6	26	U	66	U	66	130	U	130
1,2-Dichloropropane	78-87-5	ug/l	1	27	U	68	U	68	140	U	140
1,3-Dichlorobenzene	541-73-1	ug/l	3	140	U	350	U	350	700	U	700
1,4-Dichlorobenzene	106-46-7	ug/l	3	140	U	350	U	350	700	U	700
1,4-Dioxane	123-91-1	ug/l	NL			30000	U	30000	61000	U	61000
2-Butanone	78-93-3	ug/l	50	390	U	970	U	970	1900	U	1900
2-Hexanone	591-78-6	ug/l	50	200	U	500	U	500	1000	U	1000
4-Methyl-2-pentanone	108-10-1	ug/l	NL	200	U	500	U	500	1000	U	1000
Acetone	67-64-1	ug/l	50	290	U	730	U	730	1500	U	1500
Benzene	71-43-2	ug/l	1	32	U	80	U	80	160	U	160
Bromochloromethane	74-97-5	ug/l	5			350	U	350	700	U	700
Bromodichloromethane	75-27-4	ug/l	50	38	U	96	U	96	190	U	190
Bromoform	75-25-2	ug/l	50	130	U	320	U	320	650	U	650
Bromomethane	74-83-9	ug/l	5	140	U	350	U	350	700	U	700
Carbon disulfide	75-15-0	ug/l	60	200	U	500	U	500	1000	U	1000
Carbon tetrachloride	56-23-5	ug/l	5	27	U	67	U	67	130	U	130
Chlorobenzene	108-90-7	ug/l	5	140	U	350	U	350	700	U	700
Chloroethane	75-00-3	ug/l	5	140	U	350	U	350	700	U	700
Chloroform	67-66-3	ug/l	7	140	U	350	U	350	700	U	700
Chloromethane	74-87-3	ug/l	NL	140	U	350	U	350	700	U	700
cis-1,2-Dichloroethene	156-59-2	ug/l	5	140	U	350	U	350	700	U	700
cis-1,3-Dichloropropene	10061-01-5	ug/l	0.4	29	U	72	U	72	140	U	140
Cyclohexane	110-82-7	ug/l	NL	54	U	140	U	140	270	U	270
Dibromochloromethane	124-48-1	ug/l	50	30	U	74	U	74	150	U	150
Dichlorodifluoromethane	75-71-8	ug/l	5	200	U	500	U	500	1000	U	1000
Ethylbenzene	100-41-4	ug/l	5	140	U	350	U	350	700	U	700
Freon-113	76-13-1	ug/l	5	140	U	350	U	350	700	U	700
Isopropylbenzene	98-82-8	ug/l	5	140	U	350	U	350	700	U	700
Methyl Acetate	79-20-9	ug/l	NL	47	U	120	U	120	230	U	230
Methyl cyclohexane	108-87-2	ug/l	NL	79	U	200	U	200	400	U	400
Methyl tert butyl ether	1634-04-4	ug/l	10	140	U	350	U	350	700	U	700
Methylene chloride	75-09-2	ug/l	5	140	U	350	U	350	700	U	700
o-Xylene	95-47-6	ug/l	5	140	U	350	U	350	700	U	700
p/m-Xylene	179601-23-1	ug/l	5	140	U	350	U	350	700	U	700
Styrene	100-42-5	ug/l	5	140	U	350	U	350	700	U	700
Tetrachloroethene	127-18-4	ug/l	5	**1,200**		**2000**		90	**1700**		180
Toluene	108-88-3	ug/l	5	140	U	350	U	350	700	U	700
trans-1,2-Dichloroethene	156-60-5	ug/l	5	140	U	350	U	350	700	U	700
trans-1,3-Dichloropropene	10061-02-6	ug/l	0.4	33	U	82	U	82	160	U	160
Trichloroethene	79-01-6	ug/l	5	**180,000**	DJ	**74000**		88	**89000**		180
Trichlorofluoromethane	75-69-4	ug/l	5	140	U	350	U	350	700	U	700
Vinyl chloride	75-01-4	ug/l	2	14	U	36	U	36	71	U	71
Total VOCs	--	ug/l	NL	181,240		76000	-	-	90700	-	-
Total TICs	--	ug/l	NL	ND		0			0		
Total TICs and VOCs	--	ug/l	NL	181,240		76000			0		

Well ID: SB-MW-15

Post Injection Groundwater Monitoring
Former Wollensack Optical - C828209
872 & 886 Hudson Avenue, Rochester, New York
LaBella Project #2182207

SAMPLE ID:	CAS #	Units	NYCRR Part 703 Groundwater Quality Standards	SB-MW-15		SB-MW-15			QA/QC			SB-MW-15 (6-29-2020)		
LAB ID:				--		L2020006-03			L2020006-10			L2027694-02		
COLLECTION DATE:				7/3/2019		5/12/2020			5/12/2020			6/29/2020		
SCREEN DEPTH:				10'-20'		10'-20'			10'-20'			10'-20'		
SAMPLE MATRIX:				WATER		WATER			WATER			WATER		
				Conc	Q	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
1,1,1-Trichloroethane	71-55-6	ug/l	5	70	U	70	U	70	0.7	U	0.7	28	U	28
1,1,2,2-Tetrachloroethane	79-34-5	ug/l	5	17	U	17	U	17	0.17	U	0.17	6.7	U	6.7
1,1,2-Trichloroethane	79-00-5	ug/l	1	50	U	50	U	50	0.5	U	0.5	20	U	20
1,1-Dichloroethane	75-34-3	ug/l	5	70	U	70	U	70	0.7	U	0.7	28	U	28
1,1-Dichloroethene	75-35-4	ug/l	5	17	U	17	U	17	3.8		0.17	6.8	U	6.8
1,2,3-Trichlorobenzene	87-61-6	ug/l	5	70	U	70	U	70	0.7	U	0.7	28	U	28
1,2,4-Trichlorobenzene	120-82-1	ug/l	5	70	U	70	U	70	0.7	U	0.7	28	U	28
1,2-Dibromo-3-chloropropane	96-12-8	ug/l	0.04	70	U	70	U	70	0.7	U	0.7	28	U	28
1,2-Dibromoethane	106-93-4	ug/l	0.0006	65	U	65	U	65	0.65	U	0.65	26	U	26
1,2-Dichlorobenzene	95-50-1	ug/l	3	70	U	70	U	70	0.7	U	0.7	28	U	28
1,2-Dichloroethane	107-06-2	ug/l	0.6	13	U	13	U	13	0.13	U	0.13	5.3	U	5.3
1,2-Dichloropropane	78-87-5	ug/l	1	14	U	14	U	14	0.14	U	0.14	5.5	U	5.5
1,3-Dichlorobenzene	541-73-1	ug/l	3	70	U	70	U	70	0.7	U	0.7	28	U	28
1,4-Dichlorobenzene	106-46-7	ug/l	3	70	U	70	U	70	0.7	U	0.7	28	U	28
1,4-Dioxane	123-91-1	ug/l	NL	--		6100	U	6100	61	U	61	2400	U	2400
2-Butanone	78-93-3	ug/l	50	190	U	190	U	190	4.3	J	1.9	78	U	78
2-Hexanone	591-78-6	ug/l	50	100	U	100	U	100	1	U	1	40	U	40
4-Methyl-2-pentanone	108-10-1	ug/l	NL	100	U	100	U	100	1	U	1	40	U	40
Acetone	67-64-1	ug/l	50	150	U	150	U	150	24		1.5	58	U	58
Benzene	71-43-2	ug/l	1	16	U	16	U	16	**1**		0.16	6.4	U	6.4
Bromochloromethane	74-97-5	ug/l	5	--		70	U	70	0.7	U	0.7	28	U	28
Bromodichloromethane	75-27-4	ug/l	50	19	U	19	U	19	0.19	U	0.19	7.7	U	7.7
Bromoform	75-25-2	ug/l	50	65	U	65	U	65	0.65	U	0.65	26	U	26
Bromomethane	74-83-9	ug/l	5	70	U	70	U	70	0.7	U	0.7	28	U	28
Carbon disulfide	75-15-0	ug/l	60	100	U	100	U	100	1	U	1	40	U	40
Carbon tetrachloride	56-23-5	ug/l	5	13	U	13	U	13	0.13	U	0.13	5.4	U	5.4
Chlorobenzene	108-90-7	ug/l	5	70	U	70	U	70	0.7	U	0.7	28	U	28
Chloroethane	75-00-3	ug/l	5	70	U	70	U	70	0.7	U	0.7	28	U	28
Chloroform	67-66-3	ug/l	7	70	U	70	U	70	0.7	U	0.7	28	U	28
Chloromethane	74-87-3	ug/l	NL	70	U	70	U	70	0.7	U	0.7	28	U	28
cis-1,2-Dichloroethene	156-59-2	ug/l	5	**280**		**260**		70	**130**		35	**200**		28
cis-1,3-Dichloropropene	10061-01-5	ug/l	0.4	14	U	14	U	14	0.14	U	0.14	5.8	U	5.8
Cyclohexane	110-82-7	ug/l	NL	27	U	27	U	27	1.1	J	0.27	11	U	11
Dibromochloromethane	124-48-1	ug/l	50	15	U	15	U	15	0.15	U	0.15	6	U	6
Dichlorodifluoromethane	75-71-8	ug/l	5	100	U	100	U	100	1	U	1	40	U	40
Ethylbenzene	100-41-4	ug/l	5	70	U	70	U	70	0.7	U	0.7	28	U	28
Freon-113	76-13-1	ug/l	5	70	U	70	U	70	0.7	U	0.7	28	U	28
Isopropylbenzene	98-82-8	ug/l	5	70	U	70	U	70	0.7	U	0.7	28	U	28
Methyl Acetate	79-20-9	ug/l	NL	23	U	23	U	23	0.23	U	0.23	9.4	U	9.4
Methyl cyclohexane	108-87-2	ug/l	NL	40	U	40	U	40	0.4	U	0.4	16	U	16
Methyl tert butyl ether	1634-04-4	ug/l	10	70	U	70	U	70	0.7	U	0.7	28	U	28
Methylene chloride	75-09-2	ug/l	5	70	U	70	U	70	0.7	U	0.7	28	U	28
o-Xylene	95-47-6	ug/l	5	70	U	70	U	70	0.7	U	0.7	28	U	28
p/m-Xylene	179601-23-1	ug/l	5	70	U	70	U	70	0.85	J	0.7	28	U	28
Styrene	100-42-5	ug/l	5	70	U	70	U	70	0.7	U	0.7	28	U	28
Tetrachloroethene	127-18-4	ug/l	5	**38**	J	**20**	**J**	18	**12**		0.18	**12**	**J**	7.2
Toluene	108-88-3	ug/l	5	**70**		70	U	70	1.8	J	0.7	28	U	28
trans-1,2-Dichloroethene	156-60-5	ug/l	5	**220**	J	**160**	**J**	70	**10**		0.7	**110**		28
trans-1,3-Dichloropropene	10061-02-6	ug/l	0.4	16	U	16	U	16	0.16	U	0.16	6.6	U	6.6
Trichloroethene	79-01-6	ug/l	5	**18,000**	J	**9700**		18	**2800**		8.8	**5800**		7
Trichlorofluoromethane	75-69-4	ug/l	5	70	U	70	U	70	0.7	U	0.7	28	U	28
Vinyl chloride	75-01-4	ug/l	2	7.1	U	7.1	U	7.1	1.2		0.07	2.8	U	2.8
Total VOCs	--	ug/l	NL	18,538	J	10140	-	-	2990.05	-	-	6122	-	-
Total TICs	--	ug/l	NL	ND		0			0			0		
Total TICs and VOCs	--	ug/l	NL	18,538	J	10140			2990.05			6122		

Well ID: SB-MW-16

Post Injection Groundwater Monitoring
Former Wollensack Optical - C828209
872 & 886 Hudson Avenue, Rochester, New York
LaBella Project #2182207

SAMPLE ID:	CAS #	Units	NYCRR Part 703 Groundwater Quality Standards	SB-MW-16		SB-MW-16			SB-MW-16		
LAB ID:				--		L2020006-07			L2027694-08		
COLLECTION DATE:				7/3/2019		5/13/2020			6/30/2020		
SCREEN DEPTH:				3'-8'		3'-8'			3'-8'		
SAMPLE MATRIX:				WATER		WATER			WATER		
				Conc	Q	Conc	Q	MDL	Conc	Q	MDL
1,1,1-Trichloroethane	71-55-6	ug/l	5	3.5	U	1.8	U	1.8	1.8	U	1.8
1,1,2,2-Tetrachloroethane	79-34-5	ug/l	5	0.84	U	0.42	U	0.42	0.42	U	0.42
1,1,2-Trichloroethane	79-00-5	ug/l	1	2.5	U	1.2	U	1.2	1.2	U	1.2
1,1-Dichloroethane	75-34-3	ug/l	5	3.5	U	1.8	U	1.8	1.8	U	1.8
1,1-Dichloroethene	75-35-4	ug/l	5	0.84	U	0.42	U	0.42	0.6	J	0.42
1,2,3-Trichlorobenzene	87-61-6	ug/l	5	3.5	U	1.8	U	1.8	1.8	U	1.8
1,2,4-Trichlorobenzene	120-82-1	ug/l	5	3.5	U	1.8	U	1.8	1.8	U	1.8
1,2-Dibromo-3-chloropropane	96-12-8	ug/l	0.04	3.5	U	1.8	U	1.8	1.8	U	1.8
1,2-Dibromoethane	106-93-4	ug/l	0.0006	3.2	U	1.6	U	1.6	1.6	U	1.6
1,2-Dichlorobenzene	95-50-1	ug/l	3	3.5	U	1.8	U	1.8	1.8	U	1.8
1,2-Dichloroethane	107-06-2	ug/l	0.6	0.66	U	0.33	U	0.33	0.48	J	0.33
1,2-Dichloropropane	78-87-5	ug/l	1	0.68	U	0.34	U	0.34	0.34	U	0.34
1,3-Dichlorobenzene	541-73-1	ug/l	3	3.5	U	1.8	U	1.8	1.8	U	1.8
1,4-Dichlorobenzene	106-46-7	ug/l	3	3.5	U	1.8	U	1.8	1.8	U	1.8
1,4-Dioxane	123-91-1	ug/l	NL	--		150	U	150	150	U	150
2-Butanone	78-93-3	ug/l	50	9.7	U	**99**		**4.8**	4.8	U	4.8
2-Hexanone	591-78-6	ug/l	50	5	U	2.5	U	2.5	2.5	U	2.5
4-Methyl-2-pentanone	108-10-1	ug/l	NL	5	U	2.5	U	2.5	2.5	U	2.5
Acetone	67-64-1	ug/l	50	7.3	U	**240**		**3.6**	3.6	U	3.6
Benzene	71-43-2	ug/l	1	0.8	U	0.4	U	0.4	0.4	U	0.4
Bromochloromethane	74-97-5	ug/l	5	--		1.8	U	1.8	1.8	U	1.8
Bromodichloromethane	75-27-4	ug/l	50	0.96	U	0.48	U	0.48	0.48	U	0.48
Bromoform	75-25-2	ug/l	50	3.2	U	1.6	U	1.6	1.6	U	1.6
Bromomethane	74-83-9	ug/l	5	3.5	U	1.8	U	1.8	1.8	U	1.8
Carbon disulfide	75-15-0	ug/l	60	5	U	2.5	U	2.5	2.5	U	2.5
Carbon tetrachloride	56-23-5	ug/l	5	0.67	U	0.34	U	0.34	0.34	U	0.34
Chlorobenzene	108-90-7	ug/l	5	3.5	U	1.8	U	1.8	1.8	U	1.8
Chloroethane	75-00-3	ug/l	5	3.5	U	1.8	U	1.8	1.8	U	1.8
Chloroform	67-66-3	ug/l	7	6.9	J	3.6	J	1.8	1.8	U	1.8
Chloromethane	74-87-3	ug/l	NL	3.5	U	1.8	U	1.8	1.8	U	1.8
cis-1,2-Dichloroethene	156-59-2	ug/l	5	**10**	J	**8.5**		**1.8**	**17**		**1.8**
cis-1,3-Dichloropropene	10061-01-5	ug/l	0.4	0.72	U	0.36	U	0.36	0.36	U	0.36
Cyclohexane	110-82-7	ug/l	NL	1.4	U	0.68	U	0.68	0.68	U	0.68
Dibromochloromethane	124-48-1	ug/l	50	0.74	U	0.37	U	0.37	0.37	U	0.37
Dichlorodifluoromethane	75-71-8	ug/l	5	5	U	2.5	U	2.5	2.5	U	2.5
Ethylbenzene	100-41-4	ug/l	5	3.5	U	1.8	U	1.8	1.8	U	1.8
Freon-113	76-13-1	ug/l	5	3.5	U	1.8	U	1.8	1.8	U	1.8
Isopropylbenzene	98-82-8	ug/l	5	3.5	U	1.8	U	1.8	1.8	U	1.8
Methyl Acetate	79-20-9	ug/l	NL	1.2	U	0.58	U	0.58	0.58	U	0.58
Methyl cyclohexane	108-87-2	ug/l	NL	2	U	0.99	U	0.99	0.99	U	0.99
Methyl tert butyl ether	1634-04-4	ug/l	10	3.5	U	1.8	U	1.8	1.8	U	1.8
Methylene chloride	75-09-2	ug/l	5	3.5	U	1.8	U	1.8	1.8	U	1.8
o-Xylene	95-47-6	ug/l	5	3.5	U	1.8	U	1.8	1.8	U	1.8
p/m-Xylene	179601-23-1	ug/l	5	3.5	U	1.8	U	1.8	1.8	U	1.8
Styrene	100-42-5	ug/l	5	3.5	U	1.8	U	1.8	1.8	U	1.8
Tetrachloroethene	127-18-4	ug/l	5	**11**		**19**		**0.45**	**24**		**0.45**
Toluene	108-88-3	ug/l	5	3.5	U	1.8	U	1.8	1.8	U	1.8
trans-1,2-Dichloroethene	156-60-5	ug/l	5	3.5	U	1.8	U	1.8	1.8	U	1.8
trans-1,3-Dichloropropene	10061-02-6	ug/l	0.4	0.82	U	0.41	U	0.41	0.41	U	0.41
Trichloroethene	79-01-6	ug/l	5	**280**	J	**260**		**0.44**	**350**		**0.44**
Trichlorofluoromethane	75-69-4	ug/l	5	3.5	U	1.8	U	1.8	1.8	U	1.8
Vinyl chloride	75-01-4	ug/l	2	0.36	U	0.18	U	0.18	0.18	U	0.18
Total VOCs	--	ug/l	NL	301	J	630.1	-	-	392.08	-	-
Total TICs	--	ug/l	NL	ND		0			0		
Total TICs and VOCs	--	ug/l	NL	301	J	630.1			392.08		

ANALYTICAL REPORT

Lab Number:	L2027694
Client:	LaBella Associates, P.C. 300 State Street Suite 201 Rochester, NY 14614
ATTN:	Mike Pelychaty
Phone:	(585) 295-6253
Project Name:	FORMER WOLLENSACK OPTICAL
Project Number:	2182207
Report Date:	07/02/20

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Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: FORMER WOLLENSACK OPTICAL
Project Number: 2182207

Lab Number: L2027694
Report Date: 07/02/20

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2027694-01	SB-MW-07 (6-29-2020)	WATER	ROCHESTER, NY	06/29/20 13:00	06/30/20
L2027694-02	SB-MW-15 (6-29-2020)	WATER	ROCHESTER, NY	06/29/20 14:30	06/30/20
L2027694-03	BW-03 (6-29-2020)	WATER	ROCHESTER, NY	06/29/20 15:46	06/30/20
L2027694-04	BW-01	WATER	ROCHESTER, NY	06/30/20 09:30	06/30/20
L2027694-05	SB-MW-14	WATER	ROCHESTER, NY	06/30/20 10:05	06/30/20
L2027694-06	R1MW-04	WATER	ROCHESTER, NY	06/30/20 11:00	06/30/20
L2027694-07	R1MW-02	WATER	ROCHESTER, NY	06/30/20 11:20	06/30/20
L2027694-08	SB-MW-16	WATER	ROCHESTER, NY	06/30/20 11:45	06/30/20
L2027694-09	RMW-16	WATER	ROCHESTER, NY	06/30/20 12:30	06/30/20
L2027694-10	R1MW-19S	WATER	ROCHESTER, NY	06/30/20 12:45	06/30/20
L2027694-11	R1MW-19D	WATER	ROCHESTER, NY	06/30/20 13:00	06/30/20
L2027694-12	QA/QC	WATER	ROCHESTER, NY	06/30/20 00:00	06/30/20
L2027694-13	TRIP BLANK	WATER	ROCHESTER, NY	06/30/20 14:00	06/30/20

Project Name:	FORMER WOLLENSACK OPTICAL	**Lab Number:**	L2027694
Project Number:	2182207	**Report Date:**	07/02/20

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	FORMER WOLLENSACK OPTICAL	**Lab Number:**	L2027694
Project Number:	2182207	**Report Date:**	07/02/20

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics

L2027694-07: The sample has elevated detection limits due to the dilution required by the sample matrix (sheen).

L2027694-11: The sample has elevated detection limits due to the dilution required by the sample matrix (dark purple).

The WG1388388-7 MSD recovery, performed on L2027694-04, is outside the acceptance criteria for trichloroethene (0%). The unacceptable percent recovery isattributed to the elevated concentrations of target compounds present in the native sample.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Melissa Sturgis Melissa Sturgis

Title: Technical Director/Representative Date: 07/02/20

ORGANICS

VOLATILES

Project Name: FORMER WOLLENSACK OPTICAL
Project Number: 2182207
Lab Number: L2027694
Report Date: 07/02/20

SAMPLE RESULTS

Lab ID: L2027694-01 D
Client ID: SB-MW-07 (6-29-2020)
Sample Location: ROCHESTER, NY

Date Collected: 06/29/20 13:00
Date Received: 06/30/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/02/20 08:48
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	120	35.	50
1,1-Dichloroethane	ND		ug/l	120	35.	50
Chloroform	ND		ug/l	120	35.	50
Carbon tetrachloride	ND		ug/l	25	6.7	50
1,2-Dichloropropane	ND		ug/l	50	6.8	50
Dibromochloromethane	ND		ug/l	25	7.4	50
1,1,2-Trichloroethane	ND		ug/l	75	25.	50
Tetrachloroethene	16	J	ug/l	25	9.0	50
Chlorobenzene	ND		ug/l	120	35.	50
Trichlorofluoromethane	ND		ug/l	120	35.	50
1,2-Dichloroethane	ND		ug/l	25	6.6	50
1,1,1-Trichloroethane	ND		ug/l	120	35.	50
Bromodichloromethane	ND		ug/l	25	9.6	50
trans-1,3-Dichloropropene	ND		ug/l	25	8.2	50
cis-1,3-Dichloropropene	ND		ug/l	25	7.2	50
Bromoform	ND		ug/l	100	32.	50
1,1,2,2-Tetrachloroethane	ND		ug/l	25	8.4	50
Benzene	ND		ug/l	25	8.0	50
Toluene	ND		ug/l	120	35.	50
Ethylbenzene	ND		ug/l	120	35.	50
Chloromethane	ND		ug/l	120	35.	50
Bromomethane	ND		ug/l	120	35.	50
Vinyl chloride	ND		ug/l	50	3.6	50
Chloroethane	ND		ug/l	120	35.	50
1,1-Dichloroethene	ND		ug/l	25	8.4	50
trans-1,2-Dichloroethene	ND		ug/l	120	35.	50
Trichloroethene	4300		ug/l	25	8.8	50
1,2-Dichlorobenzene	ND		ug/l	120	35.	50

Project Name: FORMER WOLLENSACK OPTICAL **Lab Number:** L2027694

Project Number: 2182207 **Report Date:** 07/02/20

SAMPLE RESULTS

Lab ID: L2027694-01 D
Client ID: SB-MW-07 (6-29-2020)
Sample Location: ROCHESTER, NY

Date Collected: 06/29/20 13:00
Date Received: 06/30/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	120	35.	50
1,4-Dichlorobenzene	ND		ug/l	120	35.	50
Methyl tert butyl ether	ND		ug/l	120	35.	50
p/m-Xylene	ND		ug/l	120	35.	50
o-Xylene	ND		ug/l	120	35.	50
cis-1,2-Dichloroethene	ND		ug/l	120	35.	50
Styrene	ND		ug/l	120	35.	50
Dichlorodifluoromethane	ND		ug/l	250	50.	50
Acetone	ND		ug/l	250	73.	50
Carbon disulfide	ND		ug/l	250	50.	50
2-Butanone	ND		ug/l	250	97.	50
4-Methyl-2-pentanone	ND		ug/l	250	50.	50
2-Hexanone	ND		ug/l	250	50.	50
Bromochloromethane	ND		ug/l	120	35.	50
1,2-Dibromoethane	ND		ug/l	100	32.	50
1,2-Dibromo-3-chloropropane	ND		ug/l	120	35.	50
Isopropylbenzene	ND		ug/l	120	35.	50
1,2,3-Trichlorobenzene	ND		ug/l	120	35.	50
1,2,4-Trichlorobenzene	ND		ug/l	120	35.	50
Methyl Acetate	ND		ug/l	100	12.	50
Cyclohexane	ND		ug/l	500	14.	50
1,4-Dioxane	ND		ug/l	12000	3000	50
Freon-113	ND		ug/l	120	35.	50
Methyl cyclohexane	ND		ug/l	500	20.	50
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/l			50

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	97		70-130

Project Name: FORMER WOLLENSACK OPTICAL **Lab Number:** L2027694

Project Number: 2182207 **Report Date:** 07/02/20

SAMPLE RESULTS

Lab ID: L2027694-02 D
Client ID: SB-MW-15 (6-29-2020)
Sample Location: ROCHESTER, NY

Date Collected: 06/29/20 14:30
Date Received: 06/30/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/02/20 09:13
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	100	28.	40
1,1-Dichloroethane	ND		ug/l	100	28.	40
Chloroform	ND		ug/l	100	28.	40
Carbon tetrachloride	ND		ug/l	20	5.4	40
1,2-Dichloropropane	ND		ug/l	40	5.5	40
Dibromochloromethane	ND		ug/l	20	6.0	40
1,1,2-Trichloroethane	ND		ug/l	60	20.	40
Tetrachloroethene	12	J	ug/l	20	7.2	40
Chlorobenzene	ND		ug/l	100	28.	40
Trichlorofluoromethane	ND		ug/l	100	28.	40
1,2-Dichloroethane	ND		ug/l	20	5.3	40
1,1,1-Trichloroethane	ND		ug/l	100	28.	40
Bromodichloromethane	ND		ug/l	20	7.7	40
trans-1,3-Dichloropropene	ND		ug/l	20	6.6	40
cis-1,3-Dichloropropene	ND		ug/l	20	5.8	40
Bromoform	ND		ug/l	80	26.	40
1,1,2,2-Tetrachloroethane	ND		ug/l	20	6.7	40
Benzene	ND		ug/l	20	6.4	40
Toluene	ND		ug/l	100	28.	40
Ethylbenzene	ND		ug/l	100	28.	40
Chloromethane	ND		ug/l	100	28.	40
Bromomethane	ND		ug/l	100	28.	40
Vinyl chloride	ND		ug/l	40	2.8	40
Chloroethane	ND		ug/l	100	28.	40
1,1-Dichloroethene	ND		ug/l	20	6.8	40
trans-1,2-Dichloroethene	110		ug/l	100	28.	40
Trichloroethene	5800		ug/l	20	7.0	40
1,2-Dichlorobenzene	ND		ug/l	100	28.	40

Project Name: FORMER WOLLENSACK OPTICAL **Lab Number:** L2027694

Project Number: 2182207 **Report Date:** 07/02/20

SAMPLE RESULTS

Lab ID: L2027694-02 D
Client ID: SB-MW-15 (6-29-2020)
Sample Location: ROCHESTER, NY

Date Collected: 06/29/20 14:30
Date Received: 06/30/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	100	28.	40
1,4-Dichlorobenzene	ND		ug/l	100	28.	40
Methyl tert butyl ether	ND		ug/l	100	28.	40
p/m-Xylene	ND		ug/l	100	28.	40
o-Xylene	ND		ug/l	100	28.	40
cis-1,2-Dichloroethene	200		ug/l	100	28.	40
Styrene	ND		ug/l	100	28.	40
Dichlorodifluoromethane	ND		ug/l	200	40.	40
Acetone	ND		ug/l	200	58.	40
Carbon disulfide	ND		ug/l	200	40.	40
2-Butanone	ND		ug/l	200	78.	40
4-Methyl-2-pentanone	ND		ug/l	200	40.	40
2-Hexanone	ND		ug/l	200	40.	40
Bromochloromethane	ND		ug/l	100	28.	40
1,2-Dibromoethane	ND		ug/l	80	26.	40
1,2-Dibromo-3-chloropropane	ND		ug/l	100	28.	40
Isopropylbenzene	ND		ug/l	100	28.	40
1,2,3-Trichlorobenzene	ND		ug/l	100	28.	40
1,2,4-Trichlorobenzene	ND		ug/l	100	28.	40
Methyl Acetate	ND		ug/l	80	9.4	40
Cyclohexane	ND		ug/l	400	11.	40
1,4-Dioxane	ND		ug/l	10000	2400	40
Freon-113	ND		ug/l	100	28.	40
Methyl cyclohexane	ND		ug/l	400	16.	40

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/l	40

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	94		70-130

Project Name: FORMER WOLLENSACK OPTICAL
Lab Number: L2027694
Project Number: 2182207
Report Date: 07/02/20

SAMPLE RESULTS

Lab ID: L2027694-03 D
Client ID: BW-03 (6-29-2020)
Sample Location: ROCHESTER, NY

Date Collected: 06/29/20 15:46
Date Received: 06/30/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/01/20 16:33
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	62	18.	25
1,1-Dichloroethane	ND		ug/l	62	18.	25
Chloroform	ND		ug/l	62	18.	25
Carbon tetrachloride	ND		ug/l	12	3.4	25
1,2-Dichloropropane	ND		ug/l	25	3.4	25
Dibromochloromethane	ND		ug/l	12	3.7	25
1,1,2-Trichloroethane	ND		ug/l	38	12.	25
Tetrachloroethene	ND		ug/l	12	4.5	25
Chlorobenzene	ND		ug/l	62	18.	25
Trichlorofluoromethane	ND		ug/l	62	18.	25
1,2-Dichloroethane	ND		ug/l	12	3.3	25
1,1,1-Trichloroethane	ND		ug/l	62	18.	25
Bromodichloromethane	ND		ug/l	12	4.8	25
trans-1,3-Dichloropropene	ND		ug/l	12	4.1	25
cis-1,3-Dichloropropene	ND		ug/l	12	3.6	25
Bromoform	ND		ug/l	50	16.	25
1,1,2,2-Tetrachloroethane	ND		ug/l	12	4.2	25
Benzene	ND		ug/l	12	4.0	25
Toluene	ND		ug/l	62	18.	25
Ethylbenzene	ND		ug/l	62	18.	25
Chloromethane	ND		ug/l	62	18.	25
Bromomethane	ND		ug/l	62	18.	25
Vinyl chloride	32		ug/l	25	1.8	25
Chloroethane	ND		ug/l	62	18.	25
1,1-Dichloroethene	10	J	ug/l	12	4.2	25
trans-1,2-Dichloroethene	ND		ug/l	62	18.	25
Trichloroethene	13		ug/l	12	4.4	25
1,2-Dichlorobenzene	ND		ug/l	62	18.	25

Project Name: FORMER WOLLENSACK OPTICAL **Lab Number:** L2027694

Project Number: 2182207 **Report Date:** 07/02/20

SAMPLE RESULTS

Lab ID: L2027694-03 D
Client ID: BW-03 (6-29-2020)
Sample Location: ROCHESTER, NY

Date Collected: 06/29/20 15:46
Date Received: 06/30/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	62	18.	25
1,4-Dichlorobenzene	ND		ug/l	62	18.	25
Methyl tert butyl ether	ND		ug/l	62	18.	25
p/m-Xylene	ND		ug/l	62	18.	25
o-Xylene	ND		ug/l	62	18.	25
cis-1,2-Dichloroethene	2800		ug/l	62	18.	25
Styrene	ND		ug/l	62	18.	25
Dichlorodifluoromethane	ND		ug/l	120	25.	25
Acetone	ND		ug/l	120	36.	25
Carbon disulfide	ND		ug/l	120	25.	25
2-Butanone	ND		ug/l	120	48.	25
4-Methyl-2-pentanone	ND		ug/l	120	25.	25
2-Hexanone	ND		ug/l	120	25.	25
Bromochloromethane	ND		ug/l	62	18.	25
1,2-Dibromoethane	ND		ug/l	50	16.	25
1,2-Dibromo-3-chloropropane	ND		ug/l	62	18.	25
Isopropylbenzene	ND		ug/l	62	18.	25
1,2,3-Trichlorobenzene	ND		ug/l	62	18.	25
1,2,4-Trichlorobenzene	ND		ug/l	62	18.	25
Methyl Acetate	ND		ug/l	50	5.8	25
Cyclohexane	ND		ug/l	250	6.8	25
1,4-Dioxane	ND		ug/l	6200	1500	25
Freon-113	ND		ug/l	62	18.	25
Methyl cyclohexane	ND		ug/l	250	9.9	25

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/l	25

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	106		70-130

Project Name: FORMER WOLLENSACK OPTICAL **Lab Number:** L2027694

Project Number: 2182207 **Report Date:** 07/02/20

SAMPLE RESULTS

Lab ID: L2027694-04 D
Client ID: BW-01
Sample Location: ROCHESTER, NY

Date Collected: 06/30/20 09:30
Date Received: 06/30/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/01/20 16:57
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	120	35.	50
1,1-Dichloroethane	ND		ug/l	120	35.	50
Chloroform	ND		ug/l	120	35.	50
Carbon tetrachloride	ND		ug/l	25	6.7	50
1,2-Dichloropropane	ND		ug/l	50	6.8	50
Dibromochloromethane	ND		ug/l	25	7.4	50
1,1,2-Trichloroethane	ND		ug/l	75	25.	50
Tetrachloroethene	14	J	ug/l	25	9.0	50
Chlorobenzene	ND		ug/l	120	35.	50
Trichlorofluoromethane	ND		ug/l	120	35.	50
1,2-Dichloroethane	ND		ug/l	25	6.6	50
1,1,1-Trichloroethane	ND		ug/l	120	35.	50
Bromodichloromethane	ND		ug/l	25	9.6	50
trans-1,3-Dichloropropene	ND		ug/l	25	8.2	50
cis-1,3-Dichloropropene	ND		ug/l	25	7.2	50
Bromoform	ND		ug/l	100	32.	50
1,1,2,2-Tetrachloroethane	ND		ug/l	25	8.4	50
Benzene	ND		ug/l	25	8.0	50
Toluene	ND		ug/l	120	35.	50
Ethylbenzene	ND		ug/l	120	35.	50
Chloromethane	ND		ug/l	120	35.	50
Bromomethane	ND		ug/l	120	35.	50
Vinyl chloride	ND		ug/l	50	3.6	50
Chloroethane	ND		ug/l	120	35.	50
1,1-Dichloroethene	ND		ug/l	25	8.4	50
trans-1,2-Dichloroethene	ND		ug/l	120	35.	50
Trichloroethene	5400		ug/l	25	8.8	50
1,2-Dichlorobenzene	ND		ug/l	120	35.	50

Project Name: FORMER WOLLENSACK OPTICAL **Lab Number:** L2027694

Project Number: 2182207 **Report Date:** 07/02/20

SAMPLE RESULTS

Lab ID: L2027694-04 D Date Collected: 06/30/20 09:30
Client ID: BW-01 Date Received: 06/30/20
Sample Location: ROCHESTER, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	120	35.	50
1,4-Dichlorobenzene	ND		ug/l	120	35.	50
Methyl tert butyl ether	ND		ug/l	120	35.	50
p/m-Xylene	ND		ug/l	120	35.	50
o-Xylene	ND		ug/l	120	35.	50
cis-1,2-Dichloroethene	220		ug/l	120	35.	50
Styrene	ND		ug/l	120	35.	50
Dichlorodifluoromethane	ND		ug/l	250	50.	50
Acetone	ND		ug/l	250	73.	50
Carbon disulfide	ND		ug/l	250	50.	50
2-Butanone	ND		ug/l	250	97.	50
4-Methyl-2-pentanone	ND		ug/l	250	50.	50
2-Hexanone	ND		ug/l	250	50.	50
Bromochloromethane	ND		ug/l	120	35.	50
1,2-Dibromoethane	ND		ug/l	100	32.	50
1,2-Dibromo-3-chloropropane	ND		ug/l	120	35.	50
Isopropylbenzene	ND		ug/l	120	35.	50
1,2,3-Trichlorobenzene	ND		ug/l	120	35.	50
1,2,4-Trichlorobenzene	ND		ug/l	120	35.	50
Methyl Acetate	ND		ug/l	100	12.	50
Cyclohexane	ND		ug/l	500	14.	50
1,4-Dioxane	ND		ug/l	12000	3000	50
Freon-113	ND		ug/l	120	35.	50
Methyl cyclohexane	ND		ug/l	500	20.	50

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/l	50

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	107		70-130

Project Name: FORMER WOLLENSACK OPTICAL **Lab Number:** L2027694

Project Number: 2182207 **Report Date:** 07/02/20

SAMPLE RESULTS

Lab ID: L2027694-05 D
Client ID: SB-MW-14
Sample Location: ROCHESTER, NY

Date Collected: 06/30/20 10:05
Date Received: 06/30/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/01/20 17:22
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2500	700	1000
1,1-Dichloroethane	ND		ug/l	2500	700	1000
Chloroform	ND		ug/l	2500	700	1000
Carbon tetrachloride	ND		ug/l	500	130	1000
1,2-Dichloropropane	ND		ug/l	1000	140	1000
Dibromochloromethane	ND		ug/l	500	150	1000
1,1,2-Trichloroethane	ND		ug/l	1500	500	1000
Tetrachloroethene	1700		ug/l	500	180	1000
Chlorobenzene	ND		ug/l	2500	700	1000
Trichlorofluoromethane	ND		ug/l	2500	700	1000
1,2-Dichloroethane	ND		ug/l	500	130	1000
1,1,1-Trichloroethane	ND		ug/l	2500	700	1000
Bromodichloromethane	ND		ug/l	500	190	1000
trans-1,3-Dichloropropene	ND		ug/l	500	160	1000
cis-1,3-Dichloropropene	ND		ug/l	500	140	1000
Bromoform	ND		ug/l	2000	650	1000
1,1,2,2-Tetrachloroethane	ND		ug/l	500	170	1000
Benzene	ND		ug/l	500	160	1000
Toluene	ND		ug/l	2500	700	1000
Ethylbenzene	ND		ug/l	2500	700	1000
Chloromethane	ND		ug/l	2500	700	1000
Bromomethane	ND		ug/l	2500	700	1000
Vinyl chloride	ND		ug/l	1000	71.	1000
Chloroethane	ND		ug/l	2500	700	1000
1,1-Dichloroethene	ND		ug/l	500	170	1000
trans-1,2-Dichloroethene	ND		ug/l	2500	700	1000
Trichloroethene	89000		ug/l	500	180	1000
1,2-Dichlorobenzene	ND		ug/l	2500	700	1000

Project Name: FORMER WOLLENSACK OPTICAL **Lab Number:** L2027694

Project Number: 2182207 **Report Date:** 07/02/20

SAMPLE RESULTS

Lab ID: L2027694-05 D
Client ID: SB-MW-14
Sample Location: ROCHESTER, NY

Date Collected: 06/30/20 10:05
Date Received: 06/30/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2500	700	1000
1,4-Dichlorobenzene	ND		ug/l	2500	700	1000
Methyl tert butyl ether	ND		ug/l	2500	700	1000
p/m-Xylene	ND		ug/l	2500	700	1000
o-Xylene	ND		ug/l	2500	700	1000
cis-1,2-Dichloroethene	ND		ug/l	2500	700	1000
Styrene	ND		ug/l	2500	700	1000
Dichlorodifluoromethane	ND		ug/l	5000	1000	1000
Acetone	ND		ug/l	5000	1500	1000
Carbon disulfide	ND		ug/l	5000	1000	1000
2-Butanone	ND		ug/l	5000	1900	1000
4-Methyl-2-pentanone	ND		ug/l	5000	1000	1000
2-Hexanone	ND		ug/l	5000	1000	1000
Bromochloromethane	ND		ug/l	2500	700	1000
1,2-Dibromoethane	ND		ug/l	2000	650	1000
1,2-Dibromo-3-chloropropane	ND		ug/l	2500	700	1000
Isopropylbenzene	ND		ug/l	2500	700	1000
1,2,3-Trichlorobenzene	ND		ug/l	2500	700	1000
1,2,4-Trichlorobenzene	ND		ug/l	2500	700	1000
Methyl Acetate	ND		ug/l	2000	230	1000
Cyclohexane	ND		ug/l	10000	270	1000
1,4-Dioxane	ND		ug/l	250000	61000	1000
Freon-113	ND		ug/l	2500	700	1000
Methyl cyclohexane	ND		ug/l	10000	400	1000

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/l	1000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	108		70-130

Project Name: FORMER WOLLENSACK OPTICAL
Project Number: 2182207
Lab Number: L2027694
Report Date: 07/02/20

SAMPLE RESULTS

Lab ID: L2027694-06 D
Client ID: R1MW-04
Sample Location: ROCHESTER, NY

Date Collected: 06/30/20 11:00
Date Received: 06/30/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/01/20 18:11
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	6.2	1.8	2.5
1,1-Dichloroethane	ND		ug/l	6.2	1.8	2.5
Chloroform	ND		ug/l	6.2	1.8	2.5
Carbon tetrachloride	ND		ug/l	1.2	0.34	2.5
1,2-Dichloropropane	ND		ug/l	2.5	0.34	2.5
Dibromochloromethane	ND		ug/l	1.2	0.37	2.5
1,1,2-Trichloroethane	ND		ug/l	3.8	1.2	2.5
Tetrachloroethene	130		ug/l	1.2	0.45	2.5
Chlorobenzene	ND		ug/l	6.2	1.8	2.5
Trichlorofluoromethane	ND		ug/l	6.2	1.8	2.5
1,2-Dichloroethane	ND		ug/l	1.2	0.33	2.5
1,1,1-Trichloroethane	ND		ug/l	6.2	1.8	2.5
Bromodichloromethane	ND		ug/l	1.2	0.48	2.5
trans-1,3-Dichloropropene	ND		ug/l	1.2	0.41	2.5
cis-1,3-Dichloropropene	ND		ug/l	1.2	0.36	2.5
Bromoform	ND		ug/l	5.0	1.6	2.5
1,1,2,2-Tetrachloroethane	ND		ug/l	1.2	0.42	2.5
Benzene	ND		ug/l	1.2	0.40	2.5
Toluene	ND		ug/l	6.2	1.8	2.5
Ethylbenzene	ND		ug/l	6.2	1.8	2.5
Chloromethane	ND		ug/l	6.2	1.8	2.5
Bromomethane	ND		ug/l	6.2	1.8	2.5
Vinyl chloride	11		ug/l	2.5	0.18	2.5
Chloroethane	ND		ug/l	6.2	1.8	2.5
1,1-Dichloroethene	ND		ug/l	1.2	0.42	2.5
trans-1,2-Dichloroethene	5.4	J	ug/l	6.2	1.8	2.5
Trichloroethene	220		ug/l	1.2	0.44	2.5
1,2-Dichlorobenzene	ND		ug/l	6.2	1.8	2.5

Project Name: FORMER WOLLENSACK OPTICAL **Lab Number:** L2027694

Project Number: 2182207 **Report Date:** 07/02/20

SAMPLE RESULTS

Lab ID: L2027694-06 D Date Collected: 06/30/20 11:00
Client ID: R1MW-04 Date Received: 06/30/20
Sample Location: ROCHESTER, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	6.2	1.8	2.5
1,4-Dichlorobenzene	ND		ug/l	6.2	1.8	2.5
Methyl tert butyl ether	ND		ug/l	6.2	1.8	2.5
p/m-Xylene	ND		ug/l	6.2	1.8	2.5
o-Xylene	ND		ug/l	6.2	1.8	2.5
cis-1,2-Dichloroethene	31		ug/l	6.2	1.8	2.5
Styrene	ND		ug/l	6.2	1.8	2.5
Dichlorodifluoromethane	ND		ug/l	12	2.5	2.5
Acetone	ND		ug/l	12	3.6	2.5
Carbon disulfide	ND		ug/l	12	2.5	2.5
2-Butanone	ND		ug/l	12	4.8	2.5
4-Methyl-2-pentanone	ND		ug/l	12	2.5	2.5
2-Hexanone	ND		ug/l	12	2.5	2.5
Bromochloromethane	ND		ug/l	6.2	1.8	2.5
1,2-Dibromoethane	ND		ug/l	5.0	1.6	2.5
1,2-Dibromo-3-chloropropane	ND		ug/l	6.2	1.8	2.5
Isopropylbenzene	ND		ug/l	6.2	1.8	2.5
1,2,3-Trichlorobenzene	ND		ug/l	6.2	1.8	2.5
1,2,4-Trichlorobenzene	ND		ug/l	6.2	1.8	2.5
Methyl Acetate	ND		ug/l	5.0	0.58	2.5
Cyclohexane	ND		ug/l	25	0.68	2.5
1,4-Dioxane	ND		ug/l	620	150	2.5
Freon-113	ND		ug/l	6.2	1.8	2.5
Methyl cyclohexane	ND		ug/l	25	0.99	2.5

Project Name: FORMER WOLLENSACK OPTICAL **Lab Number:** L2027694

Project Number: 2182207 **Report Date:** 07/02/20

SAMPLE RESULTS

Lab ID: L2027694-06 D
Client ID: R1MW-04
Sample Location: ROCHESTER, NY

Date Collected: 06/30/20 11:00
Date Received: 06/30/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Tentatively Identified Compounds						
Total TIC Compounds	60.5	J	ug/l			2.5
Unknown	3.40	J	ug/l			2.5
Unknown Aromatic	9.08	J	ug/l			2.5
Unknown Aromatic	9.75	J	ug/l			2.5
Unknown Aromatic	3.32	J	ug/l			2.5
Unknown Naphthalene	8.05	J	ug/l			2.5
Unknown Aromatic	5.55	J	ug/l			2.5
Unknown Benzene	3.62	J	ug/l			2.5
Unknown Naphthalene	3.80	J	ug/l			2.5
Unknown Naphthalene	8.45	J	ug/l			2.5
Unknown Aromatic	5.45	J	ug/l			2.5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	107		70-130

Project Name: FORMER WOLLENSACK OPTICAL
Lab Number: L2027694
Project Number: 2182207
Report Date: 07/02/20

SAMPLE RESULTS

Lab ID: L2027694-07 D
Client ID: R1MW-02
Sample Location: ROCHESTER, NY

Date Collected: 06/30/20 11:20
Date Received: 06/30/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/01/20 18:36
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	5.0	1.4	2
1,1-Dichloroethane	ND		ug/l	5.0	1.4	2
Chloroform	ND		ug/l	5.0	1.4	2
Carbon tetrachloride	ND		ug/l	1.0	0.27	2
1,2-Dichloropropane	ND		ug/l	2.0	0.27	2
Dibromochloromethane	ND		ug/l	1.0	0.30	2
1,1,2-Trichloroethane	ND		ug/l	3.0	1.0	2
Tetrachloroethene	23		ug/l	1.0	0.36	2
Chlorobenzene	ND		ug/l	5.0	1.4	2
Trichlorofluoromethane	ND		ug/l	5.0	1.4	2
1,2-Dichloroethane	ND		ug/l	1.0	0.26	2
1,1,1-Trichloroethane	ND		ug/l	5.0	1.4	2
Bromodichloromethane	ND		ug/l	1.0	0.38	2
trans-1,3-Dichloropropene	ND		ug/l	1.0	0.33	2
cis-1,3-Dichloropropene	ND		ug/l	1.0	0.29	2
Bromoform	ND		ug/l	4.0	1.3	2
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.33	2
Benzene	ND		ug/l	1.0	0.32	2
Toluene	ND		ug/l	5.0	1.4	2
Ethylbenzene	ND		ug/l	5.0	1.4	2
Chloromethane	ND		ug/l	5.0	1.4	2
Bromomethane	ND		ug/l	5.0	1.4	2
Vinyl chloride	0.84	J	ug/l	2.0	0.14	2
Chloroethane	ND		ug/l	5.0	1.4	2
1,1-Dichloroethene	ND		ug/l	1.0	0.34	2
trans-1,2-Dichloroethene	ND		ug/l	5.0	1.4	2
Trichloroethene	98		ug/l	1.0	0.35	2
1,2-Dichlorobenzene	ND		ug/l	5.0	1.4	2

Project Name: FORMER WOLLENSACK OPTICAL **Lab Number:** L2027694

Project Number: 2182207 **Report Date:** 07/02/20

SAMPLE RESULTS

Lab ID: L2027694-07 D
Client ID: R1MW-02
Sample Location: ROCHESTER, NY

Date Collected: 06/30/20 11:20
Date Received: 06/30/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	5.0	1.4	2
1,4-Dichlorobenzene	ND		ug/l	5.0	1.4	2
Methyl tert butyl ether	ND		ug/l	5.0	1.4	2
p/m-Xylene	ND		ug/l	5.0	1.4	2
o-Xylene	ND		ug/l	5.0	1.4	2
cis-1,2-Dichloroethene	4.8	J	ug/l	5.0	1.4	2
Styrene	ND		ug/l	5.0	1.4	2
Dichlorodifluoromethane	ND		ug/l	10	2.0	2
Acetone	5.2	J	ug/l	10	2.9	2
Carbon disulfide	ND		ug/l	10	2.0	2
2-Butanone	ND		ug/l	10	3.9	2
4-Methyl-2-pentanone	ND		ug/l	10	2.0	2
2-Hexanone	ND		ug/l	10	2.0	2
Bromochloromethane	ND		ug/l	5.0	1.4	2
1,2-Dibromoethane	ND		ug/l	4.0	1.3	2
1,2-Dibromo-3-chloropropane	ND		ug/l	5.0	1.4	2
Isopropylbenzene	ND		ug/l	5.0	1.4	2
1,2,3-Trichlorobenzene	ND		ug/l	5.0	1.4	2
1,2,4-Trichlorobenzene	ND		ug/l	5.0	1.4	2
Methyl Acetate	ND		ug/l	4.0	0.47	2
Cyclohexane	ND		ug/l	20	0.54	2
1,4-Dioxane	ND		ug/l	500	120	2
Freon-113	ND		ug/l	5.0	1.4	2
Methyl cyclohexane	0.81	J	ug/l	20	0.79	2

Project Name: FORMER WOLLENSACK OPTICAL **Lab Number:** L2027694

Project Number: 2182207 **Report Date:** 07/02/20

SAMPLE RESULTS

Lab ID: L2027694-07 D
Client ID: R1MW-02
Sample Location: ROCHESTER, NY

Date Collected: 06/30/20 11:20
Date Received: 06/30/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Tentatively Identified Compounds						
Total TIC Compounds	93.7	J	ug/l			2
Unknown	7.36	J	ug/l			2
Unknown Naphthalene	12.1	J	ug/l			2
Tetradecane (C14)	9.48	NJ	ug/l			2
Unknown Benzene	7.48	J	ug/l			2
Unknown Aromatic	6.80	J	ug/l			2
Unknown	11.4	J	ug/l			2
Unknown Naphthalene	12.4	J	ug/l			2
Unknown Aromatic	11.9	J	ug/l			2
Unknown Aromatic	8.96	J	ug/l			2
Unknown Naphthalene	5.80	J	ug/l			2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	108		70-130

Project Name: FORMER WOLLENSACK OPTICAL
Lab Number: L2027694
Project Number: 2182207
Report Date: 07/02/20

SAMPLE RESULTS

Lab ID: L2027694-08 D
Client ID: SB-MW-16
Sample Location: ROCHESTER, NY

Date Collected: 06/30/20 11:45
Date Received: 06/30/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/02/20 01:05
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	6.2	1.8	2.5
1,1-Dichloroethane	ND		ug/l	6.2	1.8	2.5
Chloroform	ND		ug/l	6.2	1.8	2.5
Carbon tetrachloride	ND		ug/l	1.2	0.34	2.5
1,2-Dichloropropane	ND		ug/l	2.5	0.34	2.5
Dibromochloromethane	ND		ug/l	1.2	0.37	2.5
1,1,2-Trichloroethane	ND		ug/l	3.8	1.2	2.5
Tetrachloroethene	24		ug/l	1.2	0.45	2.5
Chlorobenzene	ND		ug/l	6.2	1.8	2.5
Trichlorofluoromethane	ND		ug/l	6.2	1.8	2.5
1,2-Dichloroethane	0.48	J	ug/l	1.2	0.33	2.5
1,1,1-Trichloroethane	ND		ug/l	6.2	1.8	2.5
Bromodichloromethane	ND		ug/l	1.2	0.48	2.5
trans-1,3-Dichloropropene	ND		ug/l	1.2	0.41	2.5
cis-1,3-Dichloropropene	ND		ug/l	1.2	0.36	2.5
Bromoform	ND		ug/l	5.0	1.6	2.5
1,1,2,2-Tetrachloroethane	ND		ug/l	1.2	0.42	2.5
Benzene	ND		ug/l	1.2	0.40	2.5
Toluene	ND		ug/l	6.2	1.8	2.5
Ethylbenzene	ND		ug/l	6.2	1.8	2.5
Chloromethane	ND		ug/l	6.2	1.8	2.5
Bromomethane	ND		ug/l	6.2	1.8	2.5
Vinyl chloride	ND		ug/l	2.5	0.18	2.5
Chloroethane	ND		ug/l	6.2	1.8	2.5
1,1-Dichloroethene	0.60	J	ug/l	1.2	0.42	2.5
trans-1,2-Dichloroethene	ND		ug/l	6.2	1.8	2.5
Trichloroethene	350		ug/l	1.2	0.44	2.5
1,2-Dichlorobenzene	ND		ug/l	6.2	1.8	2.5

Project Name: FORMER WOLLENSACK OPTICAL **Lab Number:** L2027694

Project Number: 2182207 **Report Date:** 07/02/20

SAMPLE RESULTS

Lab ID: L2027694-08 D Date Collected: 06/30/20 11:45
Client ID: SB-MW-16 Date Received: 06/30/20
Sample Location: ROCHESTER, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	6.2	1.8	2.5
1,4-Dichlorobenzene	ND		ug/l	6.2	1.8	2.5
Methyl tert butyl ether	ND		ug/l	6.2	1.8	2.5
p/m-Xylene	ND		ug/l	6.2	1.8	2.5
o-Xylene	ND		ug/l	6.2	1.8	2.5
cis-1,2-Dichloroethene	17		ug/l	6.2	1.8	2.5
Styrene	ND		ug/l	6.2	1.8	2.5
Dichlorodifluoromethane	ND		ug/l	12	2.5	2.5
Acetone	ND		ug/l	12	3.6	2.5
Carbon disulfide	ND		ug/l	12	2.5	2.5
2-Butanone	ND		ug/l	12	4.8	2.5
4-Methyl-2-pentanone	ND		ug/l	12	2.5	2.5
2-Hexanone	ND		ug/l	12	2.5	2.5
Bromochloromethane	ND		ug/l	6.2	1.8	2.5
1,2-Dibromoethane	ND		ug/l	5.0	1.6	2.5
1,2-Dibromo-3-chloropropane	ND		ug/l	6.2	1.8	2.5
Isopropylbenzene	ND		ug/l	6.2	1.8	2.5
1,2,3-Trichlorobenzene	ND		ug/l	6.2	1.8	2.5
1,2,4-Trichlorobenzene	ND		ug/l	6.2	1.8	2.5
Methyl Acetate	ND		ug/l	5.0	0.58	2.5
Cyclohexane	ND		ug/l	25	0.68	2.5
1,4-Dioxane	ND		ug/l	620	150	2.5
Freon-113	ND		ug/l	6.2	1.8	2.5
Methyl cyclohexane	ND		ug/l	25	0.99	2.5

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/l	2.5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	89		70-130

Project Name: FORMER WOLLENSACK OPTICAL
Lab Number: L2027694
Project Number: 2182207
Report Date: 07/02/20

SAMPLE RESULTS

Lab ID: L2027694-09 D
Client ID: RMW-16
Sample Location: ROCHESTER, NY

Date Collected: 06/30/20 12:30
Date Received: 06/30/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/02/20 09:35
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	62	18.	25
1,1-Dichloroethane	ND		ug/l	62	18.	25
Chloroform	ND		ug/l	62	18.	25
Carbon tetrachloride	ND		ug/l	12	3.4	25
1,2-Dichloropropane	ND		ug/l	25	3.4	25
Dibromochloromethane	ND		ug/l	12	3.7	25
1,1,2-Trichloroethane	ND		ug/l	38	12.	25
Tetrachloroethene	60		ug/l	12	4.5	25
Chlorobenzene	ND		ug/l	62	18.	25
Trichlorofluoromethane	ND		ug/l	62	18.	25
1,2-Dichloroethane	ND		ug/l	12	3.3	25
1,1,1-Trichloroethane	ND		ug/l	62	18.	25
Bromodichloromethane	ND		ug/l	12	4.8	25
trans-1,3-Dichloropropene	ND		ug/l	12	4.1	25
cis-1,3-Dichloropropene	ND		ug/l	12	3.6	25
Bromoform	ND		ug/l	50	16.	25
1,1,2,2-Tetrachloroethane	ND		ug/l	12	4.2	25
Benzene	ND		ug/l	12	4.0	25
Toluene	ND		ug/l	62	18.	25
Ethylbenzene	ND		ug/l	62	18.	25
Chloromethane	ND		ug/l	62	18.	25
Bromomethane	ND		ug/l	62	18.	25
Vinyl chloride	ND		ug/l	25	1.8	25
Chloroethane	ND		ug/l	62	18.	25
1,1-Dichloroethene	ND		ug/l	12	4.2	25
trans-1,2-Dichloroethene	ND		ug/l	62	18.	25
Trichloroethene	4400		ug/l	12	4.4	25
1,2-Dichlorobenzene	ND		ug/l	62	18.	25

Project Name: FORMER WOLLENSACK OPTICAL **Lab Number:** L2027694

Project Number: 2182207 **Report Date:** 07/02/20

SAMPLE RESULTS

Lab ID: L2027694-09 D Date Collected: 06/30/20 12:30
Client ID: RMW-16 Date Received: 06/30/20
Sample Location: ROCHESTER, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	62	18.	25
1,4-Dichlorobenzene	ND		ug/l	62	18.	25
Methyl tert butyl ether	ND		ug/l	62	18.	25
p/m-Xylene	ND		ug/l	62	18.	25
o-Xylene	ND		ug/l	62	18.	25
cis-1,2-Dichloroethene	ND		ug/l	62	18.	25
Styrene	ND		ug/l	62	18.	25
Dichlorodifluoromethane	ND		ug/l	120	25.	25
Acetone	ND		ug/l	120	36.	25
Carbon disulfide	ND		ug/l	120	25.	25
2-Butanone	ND		ug/l	120	48.	25
4-Methyl-2-pentanone	ND		ug/l	120	25.	25
2-Hexanone	ND		ug/l	120	25.	25
Bromochloromethane	ND		ug/l	62	18.	25
1,2-Dibromoethane	ND		ug/l	50	16.	25
1,2-Dibromo-3-chloropropane	ND		ug/l	62	18.	25
Isopropylbenzene	ND		ug/l	62	18.	25
1,2,3-Trichlorobenzene	ND		ug/l	62	18.	25
1,2,4-Trichlorobenzene	ND		ug/l	62	18.	25
Methyl Acetate	ND		ug/l	50	5.8	25
Cyclohexane	ND		ug/l	250	6.8	25
1,4-Dioxane	ND		ug/l	6200	1500	25
Freon-113	ND		ug/l	62	18.	25
Methyl cyclohexane	ND		ug/l	250	9.9	25

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/l	25

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	94		70-130

Project Name: FORMER WOLLENSACK OPTICAL
Project Number: 2182207
Lab Number: L2027694
Report Date: 07/02/20

SAMPLE RESULTS

Lab ID: L2027694-10
Client ID: R1MW-19S
Sample Location: ROCHESTER, NY
Date Collected: 06/30/20 12:45
Date Received: 06/30/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/02/20 00:43
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	0.79	J	ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: FORMER WOLLENSACK OPTICAL **Lab Number:** L2027694

Project Number: 2182207 **Report Date:** 07/02/20

SAMPLE RESULTS

Lab ID: L2027694-10 Date Collected: 06/30/20 12:45

Client ID: R1MW-19S Date Received: 06/30/20

Sample Location: ROCHESTER, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	78		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	4.5	J	ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	102		70-130

Project Name: FORMER WOLLENSACK OPTICAL
Lab Number: L2027694
Project Number: 2182207
Report Date: 07/02/20

SAMPLE RESULTS

Lab ID: L2027694-11 D
Client ID: R1MW-19D
Sample Location: ROCHESTER, NY

Date Collected: 06/30/20 13:00
Date Received: 06/30/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/01/20 15:19
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	25	7.0	10
1,1-Dichloroethane	ND		ug/l	25	7.0	10
Chloroform	ND		ug/l	25	7.0	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
1,2-Dichloropropane	ND		ug/l	10	1.4	10
Dibromochloromethane	ND		ug/l	5.0	1.5	10
1,1,2-Trichloroethane	ND		ug/l	15	5.0	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	25	7.0	10
Trichlorofluoromethane	ND		ug/l	25	7.0	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
1,1,1-Trichloroethane	ND		ug/l	25	7.0	10
Bromodichloromethane	ND		ug/l	5.0	1.9	10
trans-1,3-Dichloropropene	ND		ug/l	5.0	1.6	10
cis-1,3-Dichloropropene	ND		ug/l	5.0	1.4	10
Bromoform	ND		ug/l	20	6.5	10
1,1,2,2-Tetrachloroethane	ND		ug/l	5.0	1.7	10
Benzene	ND		ug/l	5.0	1.6	10
Toluene	ND		ug/l	25	7.0	10
Ethylbenzene	ND		ug/l	25	7.0	10
Chloromethane	ND		ug/l	25	7.0	10
Bromomethane	ND		ug/l	25	7.0	10
Vinyl chloride	ND		ug/l	10	0.71	10
Chloroethane	ND		ug/l	25	7.0	10
1,1-Dichloroethene	ND		ug/l	5.0	1.7	10
trans-1,2-Dichloroethene	ND		ug/l	25	7.0	10
Trichloroethene	ND		ug/l	5.0	1.8	10
1,2-Dichlorobenzene	ND		ug/l	25	7.0	10

Project Name: FORMER WOLLENSACK OPTICAL **Lab Number:** L2027694

Project Number: 2182207 **Report Date:** 07/02/20

SAMPLE RESULTS

Lab ID: L2027694-11 D Date Collected: 06/30/20 13:00
Client ID: R1MW-19D Date Received: 06/30/20
Sample Location: ROCHESTER, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	25	7.0	10
1,4-Dichlorobenzene	ND		ug/l	25	7.0	10
Methyl tert butyl ether	ND		ug/l	25	7.0	10
p/m-Xylene	ND		ug/l	25	7.0	10
o-Xylene	ND		ug/l	25	7.0	10
cis-1,2-Dichloroethene	ND		ug/l	25	7.0	10
Styrene	ND		ug/l	25	7.0	10
Dichlorodifluoromethane	ND		ug/l	50	10.	10
Acetone	94		ug/l	50	15.	10
Carbon disulfide	ND		ug/l	50	10.	10
2-Butanone	ND		ug/l	50	19.	10
4-Methyl-2-pentanone	ND		ug/l	50	10.	10
2-Hexanone	ND		ug/l	50	10.	10
Bromochloromethane	ND		ug/l	25	7.0	10
1,2-Dibromoethane	ND		ug/l	20	6.5	10
1,2-Dibromo-3-chloropropane	ND		ug/l	25	7.0	10
Isopropylbenzene	ND		ug/l	25	7.0	10
1,2,3-Trichlorobenzene	ND		ug/l	25	7.0	10
1,2,4-Trichlorobenzene	ND		ug/l	25	7.0	10
Methyl Acetate	ND		ug/l	20	2.3	10
Cyclohexane	ND		ug/l	100	2.7	10
1,4-Dioxane	ND		ug/l	2500	610	10
Freon-113	ND		ug/l	25	7.0	10
Methyl cyclohexane	ND		ug/l	100	4.0	10

Tentatively Identified Compounds						
Total TIC Compounds	19.1	J	ug/l			10
Nonanal	19.1	NJ	ug/l			10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	107		70-130

Project Name: FORMER WOLLENSACK OPTICAL **Lab Number:** L2027694

Project Number: 2182207 **Report Date:** 07/02/20

SAMPLE RESULTS

Lab ID: L2027694-12 D
Client ID: QA/QC
Sample Location: ROCHESTER, NY

Date Collected: 06/30/20 00:00
Date Received: 06/30/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/02/20 01:26
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	120	35.	50
1,1-Dichloroethane	ND		ug/l	120	35.	50
Chloroform	ND		ug/l	120	35.	50
Carbon tetrachloride	ND		ug/l	25	6.7	50
1,2-Dichloropropane	ND		ug/l	50	6.8	50
Dibromochloromethane	ND		ug/l	25	7.4	50
1,1,2-Trichloroethane	ND		ug/l	75	25.	50
Tetrachloroethene	15	J	ug/l	25	9.0	50
Chlorobenzene	ND		ug/l	120	35.	50
Trichlorofluoromethane	ND		ug/l	120	35.	50
1,2-Dichloroethane	ND		ug/l	25	6.6	50
1,1,1-Trichloroethane	ND		ug/l	120	35.	50
Bromodichloromethane	ND		ug/l	25	9.6	50
trans-1,3-Dichloropropene	ND		ug/l	25	8.2	50
cis-1,3-Dichloropropene	ND		ug/l	25	7.2	50
Bromoform	ND		ug/l	100	32.	50
1,1,2,2-Tetrachloroethane	ND		ug/l	25	8.4	50
Benzene	ND		ug/l	25	8.0	50
Toluene	ND		ug/l	120	35.	50
Ethylbenzene	ND		ug/l	120	35.	50
Chloromethane	ND		ug/l	120	35.	50
Bromomethane	ND		ug/l	120	35.	50
Vinyl chloride	ND		ug/l	50	3.6	50
Chloroethane	ND		ug/l	120	35.	50
1,1-Dichloroethene	ND		ug/l	25	8.4	50
trans-1,2-Dichloroethene	ND		ug/l	120	35.	50
Trichloroethene	6000		ug/l	25	8.8	50
1,2-Dichlorobenzene	ND		ug/l	120	35.	50

Project Name: FORMER WOLLENSACK OPTICAL **Lab Number:** L2027694

Project Number: 2182207 **Report Date:** 07/02/20

SAMPLE RESULTS

Lab ID: L2027694-12 D Date Collected: 06/30/20 00:00
Client ID: QA/QC Date Received: 06/30/20
Sample Location: ROCHESTER, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	120	35.	50
1,4-Dichlorobenzene	ND		ug/l	120	35.	50
Methyl tert butyl ether	ND		ug/l	120	35.	50
p/m-Xylene	ND		ug/l	120	35.	50
o-Xylene	ND		ug/l	120	35.	50
cis-1,2-Dichloroethene	230		ug/l	120	35.	50
Styrene	ND		ug/l	120	35.	50
Dichlorodifluoromethane	ND		ug/l	250	50.	50
Acetone	ND		ug/l	250	73.	50
Carbon disulfide	ND		ug/l	250	50.	50
2-Butanone	ND		ug/l	250	97.	50
4-Methyl-2-pentanone	ND		ug/l	250	50.	50
2-Hexanone	ND		ug/l	250	50.	50
Bromochloromethane	ND		ug/l	120	35.	50
1,2-Dibromoethane	ND		ug/l	100	32.	50
1,2-Dibromo-3-chloropropane	ND		ug/l	120	35.	50
Isopropylbenzene	ND		ug/l	120	35.	50
1,2,3-Trichlorobenzene	ND		ug/l	120	35.	50
1,2,4-Trichlorobenzene	ND		ug/l	120	35.	50
Methyl Acetate	ND		ug/l	100	12.	50
Cyclohexane	ND		ug/l	500	14.	50
1,4-Dioxane	ND		ug/l	12000	3000	50
Freon-113	ND		ug/l	120	35.	50
Methyl cyclohexane	ND		ug/l	500	20.	50

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/l	50

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	102		70-130

Project Name: FORMER WOLLENSACK OPTICAL **Lab Number:** L2027694

Project Number: 2182207 **Report Date:** 07/02/20

SAMPLE RESULTS

Lab ID: L2027694-13
Client ID: TRIP BLANK
Sample Location: ROCHESTER, NY

Date Collected: 06/30/20 14:00
Date Received: 06/30/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/01/20 14:55
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: FORMER WOLLENSACK OPTICAL **Lab Number:** L2027694

Project Number: 2182207 **Report Date:** 07/02/20

SAMPLE RESULTS

Lab ID: L2027694-13 Date Collected: 06/30/20 14:00

Client ID: TRIP BLANK Date Received: 06/30/20

Sample Location: ROCHESTER, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	106		70-130

Project Name: FORMER WOLLENSACK OPTICAL **Lab Number:** L2027694

Project Number: 2182207 **Report Date:** 07/02/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/01/20 10:24
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03-07,11,13 Batch: WG1388388-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: FORMER WOLLENSACK OPTICAL **Lab Number:** L2027694

Project Number: 2182207 **Report Date:** 07/02/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/01/20 10:24
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03-07,11,13 Batch: WG1388388-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/l		

Project Name: FORMER WOLLENSACK OPTICAL **Lab Number:** L2027694

Project Number: 2182207 **Report Date:** 07/02/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/01/20 10:24
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03-07,11,13 Batch: WG1388388-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	107		70-130

Project Name: FORMER WOLLENSACK OPTICAL **Lab Number:** L2027694

Project Number: 2182207 **Report Date:** 07/02/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/01/20 18:40
Analyst: TMS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 08,10,12 Batch: WG1388497-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: FORMER WOLLENSACK OPTICAL **Lab Number:** L2027694

Project Number: 2182207 **Report Date:** 07/02/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/01/20 18:40
Analyst: TMS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 08,10,12 Batch: WG1388497-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Tentatively Identified Compounds

No Tentatively Identified Compounds ND ug/l

Project Name: FORMER WOLLENSACK OPTICAL
Project Number: 2182207
Lab Number: L2027694
Report Date: 07/02/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/01/20 18:40
Analyst: TMS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 08,10,12 Batch: WG1388497-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	100		70-130

Project Name: FORMER WOLLENSACK OPTICAL **Lab Number:** L2027694

Project Number: 2182207 **Report Date:** 07/02/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/02/20 08:26
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02,09 Batch: WG1388512-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: FORMER WOLLENSACK OPTICAL **Lab Number:** L2027694

Project Number: 2182207 **Report Date:** 07/02/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/02/20 08:26
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02,09 Batch: WG1388512-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/l		

Project Name: FORMER WOLLENSACK OPTICAL **Lab Number:** L2027694

Project Number: 2182207 **Report Date:** 07/02/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/02/20 08:26
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02,09 Batch: WG1388512-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	98		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: FORMER WOLLENSACK OPTICAL
Project Number: 2182207
Lab Number: L2027694
Report Date: 07/02/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-07,11,13 Batch: WG1388388-3 WG1388388-4								
Methylene chloride	97		92		70-130	5		20
1,1-Dichloroethane	110		100		70-130	10		20
Chloroform	100		100		70-130	0		20
Carbon tetrachloride	100		100		63-132	0		20
1,2-Dichloropropane	98		96		70-130	2		20
Dibromochloromethane	95		92		63-130	3		20
1,1,2-Trichloroethane	86		86		70-130	0		20
Tetrachloroethene	95		96		70-130	1		20
Chlorobenzene	95		96		75-130	1		20
Trichlorofluoromethane	110		100		62-150	10		20
1,2-Dichloroethane	110		100		70-130	10		20
1,1,1-Trichloroethane	110		100		67-130	10		20
Bromodichloromethane	95		93		67-130	2		20
trans-1,3-Dichloropropene	87		84		70-130	4		20
cis-1,3-Dichloropropene	89		85		70-130	5		20
Bromoform	90		89		54-136	1		20
1,1,2,2-Tetrachloroethane	84		83		67-130	1		20
Benzene	90		87		70-130	3		20
Toluene	91		91		70-130	0		20
Ethylbenzene	93		92		70-130	1		20
Chloromethane	110		110		64-130	0		20
Bromomethane	58		58		39-139	0		20
Vinyl chloride	95		90		55-140	5		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER WOLLENSACK OPTICAL

Project Number: 2182207

Lab Number: L2027694

Report Date: 07/02/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-07,11,13 Batch: WG1388388-3 WG1388388-4								
Chloroethane	98		90		55-138	9		20
1,1-Dichloroethene	100		95		61-145	5		20
trans-1,2-Dichloroethene	100		98		70-130	2		20
Trichloroethene	92		89		70-130	3		20
1,2-Dichlorobenzene	97		96		70-130	1		20
1,3-Dichlorobenzene	98		98		70-130	0		20
1,4-Dichlorobenzene	97		96		70-130	1		20
Methyl tert butyl ether	90		84		63-130	7		20
p/m-Xylene	95		95		70-130	0		20
o-Xylene	95		95		70-130	0		20
cis-1,2-Dichloroethene	100		99		70-130	1		20
Styrene	95		95		70-130	0		20
Dichlorodifluoromethane	94		92		36-147	2		20
Acetone	120		110		58-148	9		20
Carbon disulfide	98		94		51-130	4		20
2-Butanone	120		99		63-138	19		20
4-Methyl-2-pentanone	84		75		59-130	11		20
2-Hexanone	75		68		57-130	10		20
Bromochloromethane	100		100		70-130	0		20
1,2-Dibromoethane	89		85		70-130	5		20
1,2-Dibromo-3-chloropropane	86		79		41-144	8		20
Isopropylbenzene	91		89		70-130	2		20
1,2,3-Trichlorobenzene	93		93		70-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER WOLLENSACK OPTICAL

Project Number: 2182207

Lab Number: L2027694

Report Date: 07/02/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-07,11,13 Batch: WG1388388-3 WG1388388-4								
1,2,4-Trichlorobenzene	94		92		70-130	2		20
Methyl Acetate	110		98		70-130	12		20
Cyclohexane	100		98		70-130	2		20
1,4-Dioxane	150		140		56-162	7		20
Freon-113	100		100		70-130	0		20
Methyl cyclohexane	89		86		70-130	3		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	110		105		70-130
Toluene-d8	94		95		70-130
4-Bromofluorobenzene	86		89		70-130
Dibromofluoromethane	107		107		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: FORMER WOLLENSACK OPTICAL
Project Number: 2182207
Lab Number: L2027694
Report Date: 07/02/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08,10,12 Batch: WG1388497-3 WG1388497-4								
Methylene chloride	110		100		70-130	10		20
1,1-Dichloroethane	120		110		70-130	9		20
Chloroform	110		100		70-130	10		20
Carbon tetrachloride	100		100		63-132	0		20
1,2-Dichloropropane	120		110		70-130	9		20
Dibromochloromethane	81		100		63-130	**21**	Q	20
1,1,2-Trichloroethane	94		110		70-130	16		20
Tetrachloroethene	98		120		70-130	20		20
Chlorobenzene	100		110		75-130	10		20
Trichlorofluoromethane	120		110		62-150	9		20
1,2-Dichloroethane	99		100		70-130	1		20
1,1,1-Trichloroethane	100		97		67-130	3		20
Bromodichloromethane	100		97		67-130	3		20
trans-1,3-Dichloropropene	79		96		70-130	19		20
cis-1,3-Dichloropropene	98		98		70-130	0		20
Bromoform	71		82		54-136	14		20
1,1,2,2-Tetrachloroethane	81		93		67-130	14		20
Benzene	100		99		70-130	1		20
Toluene	97		110		70-130	13		20
Ethylbenzene	97		100		70-130	3		20
Chloromethane	120		100		64-130	18		20
Bromomethane	120		99		39-139	19		20
Vinyl chloride	120		96		55-140	**22**	Q	20

Lab Control Sample Analysis
Batch Quality Control

Project Name: FORMER WOLLENSACK OPTICAL
Project Number: 2182207
Lab Number: L2027694
Report Date: 07/02/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08,10,12 Batch: WG1388497-3 WG1388497-4								
Chloroethane	130		120		55-138	8		20
1,1-Dichloroethene	120		110		61-145	9		20
trans-1,2-Dichloroethene	120		120		70-130	0		20
Trichloroethene	110		120		70-130	9		20
1,2-Dichlorobenzene	95		100		70-130	5		20
1,3-Dichlorobenzene	100		110		70-130	10		20
1,4-Dichlorobenzene	96		100		70-130	4		20
Methyl tert butyl ether	91		91		63-130	0		20
p/m-Xylene	100		105		70-130	5		20
o-Xylene	100		120		70-130	18		20
cis-1,2-Dichloroethene	130		110		70-130	17		20
Styrene	100		115		70-130	14		20
Dichlorodifluoromethane	91		80		36-147	13		20
Acetone	100		91		58-148	9		20
Carbon disulfide	110		110		51-130	0		20
2-Butanone	77		110		63-138	**35**	Q	20
4-Methyl-2-pentanone	71		94		59-130	**28**	Q	20
2-Hexanone	67		77		57-130	14		20
Bromochloromethane	120		110		70-130	9		20
1,2-Dibromoethane	84		110		70-130	**27**	Q	20
1,2-Dibromo-3-chloropropane	62		76		41-144	20		20
Isopropylbenzene	96		100		70-130	4		20
1,2,3-Trichlorobenzene	88		94		70-130	7		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER WOLLENSACK OPTICAL

Project Number: 2182207

Lab Number: L2027694

Report Date: 07/02/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08,10,12 Batch: WG1388497-3 WG1388497-4								
1,2,4-Trichlorobenzene	90		97		70-130	7		20
Methyl Acetate	110		100		70-130	10		20
Cyclohexane	120		100		70-130	18		20
1,4-Dioxane	72		66		56-162	9		20
Freon-113	120		110		70-130	9		20
Methyl cyclohexane	98		100		70-130	2		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	98		100		70-130
Toluene-d8	99		110		70-130
4-Bromofluorobenzene	92		92		70-130
Dibromofluoromethane	113		93		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER WOLLENSACK OPTICAL

Project Number: 2182207

Lab Number: L2027694

Report Date: 07/02/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02,09 Batch: WG1388512-3 WG1388512-4								
Methylene chloride	90		88		70-130	2		20
1,1-Dichloroethane	99		96		70-130	3		20
Chloroform	90		87		70-130	3		20
Carbon tetrachloride	92		88		63-132	4		20
1,2-Dichloropropane	89		88		70-130	1		20
Dibromochloromethane	92		89		63-130	3		20
1,1,2-Trichloroethane	93		88		70-130	6		20
Tetrachloroethene	99		94		70-130	5		20
Chlorobenzene	100		97		75-130	3		20
Trichlorofluoromethane	96		94		62-150	2		20
1,2-Dichloroethane	94		94		70-130	0		20
1,1,1-Trichloroethane	90		89		67-130	1		20
Bromodichloromethane	83		80		67-130	4		20
trans-1,3-Dichloropropene	88		87		70-130	1		20
cis-1,3-Dichloropropene	84		82		70-130	2		20
Bromoform	89		86		54-136	3		20
1,1,2,2-Tetrachloroethane	92		88		67-130	4		20
Benzene	90		88		70-130	2		20
Toluene	100		95		70-130	5		20
Ethylbenzene	100		97		70-130	3		20
Chloromethane	79		75		64-130	5		20
Bromomethane	74		79		39-139	7		20
Vinyl chloride	89		85		55-140	5		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: FORMER WOLLENSACK OPTICAL
Project Number: 2182207
Lab Number: L2027694
Report Date: 07/02/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02,09 Batch: WG1388512-3 WG1388512-4								
Chloroethane	100		99		55-138	1		20
1,1-Dichloroethene	94		90		61-145	4		20
trans-1,2-Dichloroethene	90		88		70-130	2		20
Trichloroethene	84		83		70-130	1		20
1,2-Dichlorobenzene	100		100		70-130	0		20
1,3-Dichlorobenzene	110		99		70-130	11		20
1,4-Dichlorobenzene	110		98		70-130	12		20
Methyl tert butyl ether	86		85		63-130	1		20
p/m-Xylene	100		95		70-130	5		20
o-Xylene	100		100		70-130	0		20
cis-1,2-Dichloroethene	90		89		70-130	1		20
Styrene	100		95		70-130	5		20
Dichlorodifluoromethane	66		62		36-147	6		20
Acetone	87		86		58-148	1		20
Carbon disulfide	91		88		51-130	3		20
2-Butanone	88		91		63-138	3		20
4-Methyl-2-pentanone	81		79		59-130	3		20
2-Hexanone	84		86		57-130	2		20
Bromochloromethane	96		91		70-130	5		20
1,2-Dibromoethane	93		92		70-130	1		20
1,2-Dibromo-3-chloropropane	84		80		41-144	5		20
Isopropylbenzene	100		98		70-130	2		20
1,2,3-Trichlorobenzene	94		92		70-130	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER WOLLENSACK OPTICAL

Project Number: 2182207

Lab Number: L2027694

Report Date: 07/02/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02,09 Batch: WG1388512-3 WG1388512-4								
1,2,4-Trichlorobenzene	97		91		70-130	6		20
Methyl Acetate	80		82		70-130	2		20
Cyclohexane	91		89		70-130	2		20
1,4-Dioxane	98		94		56-162	4		20
Freon-113	99		95		70-130	4		20
Methyl cyclohexane	88		85		70-130	3		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	104		104		70-130
Toluene-d8	105		104		70-130
4-Bromofluorobenzene	98		98		70-130
Dibromofluoromethane	94		96		70-130

Matrix Spike Analysis

Batch Quality Control

Project Name: FORMER WOLLENSACK OPTICAL

Project Number: 2182207

Lab Number: L2027694

Report Date: 07/02/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-07,11,13 QC Batch ID: WG1388388-6 WG1388388-7 QC Sample: L2027694-04 Client ID: BW-01												
Methylene chloride	ND	500	470	94		480	96		70-130	2		20
1,1-Dichloroethane	ND	500	530	106		540	108		70-130	2		20
Chloroform	ND	500	510	102		520	104		70-130	2		20
Carbon tetrachloride	ND	500	510	102		530	106		63-132	4		20
1,2-Dichloropropane	ND	500	480	96		500	100		70-130	4		20
Dibromochloromethane	ND	500	450	90		460	92		63-130	2		20
1,1,2-Trichloroethane	ND	500	430	86		440	88		70-130	2		20
Tetrachloroethene	14J	500	490	98		500	100		70-130	2		20
Chlorobenzene	ND	500	470	94		480	96		75-130	2		20
Trichlorofluoromethane	ND	500	560	112		570	114		62-150	2		20
1,2-Dichloroethane	ND	500	530	106		540	108		70-130	2		20
1,1,1-Trichloroethane	ND	500	530	106		550	110		67-130	4		20
Bromodichloromethane	ND	500	460	92		490	98		67-130	6		20
trans-1,3-Dichloropropene	ND	500	370	74		390	78		70-130	5		20
cis-1,3-Dichloropropene	ND	500	400	80		420	84		70-130	5		20
Bromoform	ND	500	420	84		450	90		54-136	7		20
1,1,2,2-Tetrachloroethane	ND	500	400	80		430	86		67-130	7		20
Benzene	ND	500	450	90		460	92		70-130	2		20
Toluene	ND	500	450	90		460	92		70-130	2		20
Ethylbenzene	ND	500	450	90		460	92		70-130	2		20
Chloromethane	ND	500	550	110		570	114		64-130	4		20
Bromomethane	ND	500	150	**30**	Q	190	**38**	Q	39-139	**24**	Q	20
Vinyl chloride	ND	500	490	98		500	100		55-140	2		20

Matrix Spike Analysis

Batch Quality Control

Project Name: FORMER WOLLENSACK OPTICAL

Project Number: 2182207

Lab Number: L2027694

Report Date: 07/02/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-07,11,13 QC Batch ID: WG1388388-6 WG1388388-7 QC Sample: L2027694-04 Client ID: BW-01												
Chloroethane	ND	500	480	96		500	100		55-138	4		20
1,1-Dichloroethene	ND	500	500	100		520	104		61-145	4		20
trans-1,2-Dichloroethene	ND	500	520	104		540	108		70-130	4		20
Trichloroethene	5400	500	5500	**20**	Q	5400	**0**	Q	70-130	2		20
1,2-Dichlorobenzene	ND	500	460	92		490	98		70-130	6		20
1,3-Dichlorobenzene	ND	500	470	94		490	98		70-130	4		20
1,4-Dichlorobenzene	ND	500	470	94		480	96		70-130	2		20
Methyl tert butyl ether	ND	500	420	84		430	86		63-130	2		20
p/m-Xylene	ND	1000	940	94		950	95		70-130	1		20
o-Xylene	ND	1000	920	92		930	93		70-130	1		20
cis-1,2-Dichloroethene	220	500	700	96		720	100		70-130	3		20
Styrene	ND	1000	900	90		930	93		70-130	3		20
Dichlorodifluoromethane	ND	500	490	98		500	100		36-147	2		20
Acetone	ND	500	650	130		660	132		58-148	2		20
Carbon disulfide	ND	500	480	96		500	100		51-130	4		20
2-Butanone	ND	500	490	98		530	106		63-138	8		20
4-Methyl-2-pentanone	ND	500	390	78		410	82		59-130	5		20
2-Hexanone	ND	500	350	70		370	74		57-130	6		20
Bromochloromethane	ND	500	500	100		520	104		70-130	4		20
1,2-Dibromoethane	ND	500	430	86		450	90		70-130	5		20
1,2-Dibromo-3-chloropropane	ND	500	400	80		420	84		41-144	5		20
Isopropylbenzene	ND	500	430	86		440	88		70-130	2		20
1,2,3-Trichlorobenzene	ND	500	430	86		460	92		70-130	7		20

Matrix Spike Analysis

Batch Quality Control

Project Name: FORMER WOLLENSACK OPTICAL

Project Number: 2182207

Lab Number: L2027694

Report Date: 07/02/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-07,11,13 QC Batch ID: WG1388388-6 WG1388388-7 QC Sample: L2027694-04 Client ID: BW-01												
1,2,4-Trichlorobenzene	ND	500	430	86		460	92		70-130	7		20
Methyl Acetate	ND	500	470	94		500	100		70-130	6		20
Cyclohexane	ND	500	520	104		520	104		70-130	0		20
1,4-Dioxane	ND	25000	38000	152		40000	160		56-162	5		20
Freon-113	ND	500	530	106		540	108		70-130	2		20
Methyl cyclohexane	ND	500	480J	96		490J	98		70-130	2		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		109		70-130
4-Bromofluorobenzene	88		89		70-130
Dibromofluoromethane	106		107		70-130
Toluene-d8	94		93		70-130

Project Name: FORMER WOLLENSACK OPTICAL
Project Number: 2182207

Lab Number: L2027694
Report Date: 07/02/20

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2027694-01A	Vial HCl preserved	A	NA		5.7	Y	Absent		NYTCL-8260-R2(14)
L2027694-01B	Vial HCl preserved	A	NA		5.7	Y	Absent		NYTCL-8260-R2(14)
L2027694-01C	Vial HCl preserved	A	NA		5.7	Y	Absent		NYTCL-8260-R2(14)
L2027694-02A	Vial HCl preserved	A	NA		5.7	Y	Absent		NYTCL-8260-R2(14)
L2027694-02B	Vial HCl preserved	A	NA		5.7	Y	Absent		NYTCL-8260-R2(14)
L2027694-02C	Vial HCl preserved	A	NA		5.7	Y	Absent		NYTCL-8260-R2(14)
L2027694-03A	Vial HCl preserved	A	NA		5.7	Y	Absent		NYTCL-8260-R2(14)
L2027694-03B	Vial HCl preserved	A	NA		5.7	Y	Absent		NYTCL-8260-R2(14)
L2027694-03C	Vial HCl preserved	A	NA		5.7	Y	Absent		NYTCL-8260-R2(14)
L2027694-04A	Vial HCl preserved	A	NA		5.7	Y	Absent		NYTCL-8260-R2(14)
L2027694-04A1	Vial HCl preserved	A	NA		5.7	Y	Absent		NYTCL-8260-R2(14)
L2027694-04A2	Vial HCl preserved	A	NA		5.7	Y	Absent		NYTCL-8260-R2(14)
L2027694-04B	Vial HCl preserved	A	NA		5.7	Y	Absent		NYTCL-8260-R2(14)
L2027694-04B1	Vial HCl preserved	A	NA		5.7	Y	Absent		NYTCL-8260-R2(14)
L2027694-04B2	Vial HCl preserved	A	NA		5.7	Y	Absent		NYTCL-8260-R2(14)
L2027694-04C	Vial HCl preserved	A	NA		5.7	Y	Absent		NYTCL-8260-R2(14)
L2027694-04C1	Vial HCl preserved	A	NA		5.7	Y	Absent		NYTCL-8260-R2(14)
L2027694-04C2	Vial HCl preserved	A	NA		5.7	Y	Absent		NYTCL-8260-R2(14)
L2027694-05A	Vial HCl preserved	A	NA		5.7	Y	Absent		NYTCL-8260-R2(14)
L2027694-05B	Vial HCl preserved	A	NA		5.7	Y	Absent		NYTCL-8260-R2(14)
L2027694-05C	Vial HCl preserved	A	NA		5.7	Y	Absent		NYTCL-8260-R2(14)
L2027694-06A	Vial HCl preserved	A	NA		5.7	Y	Absent		NYTCL-8260-R2(14)
L2027694-06B	Vial HCl preserved	A	NA		5.7	Y	Absent		NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name: FORMER WOLLENSACK OPTICAL
Project Number: 2182207

Lab Number: L2027694
Report Date: 07/02/20

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2027694-06C	Vial HCl preserved	A	NA		5.7	Y	Absent		NYTCL-8260-R2(14)
L2027694-07A	Vial HCl preserved	A	NA		5.7	Y	Absent		NYTCL-8260-R2(14)
L2027694-07B	Vial HCl preserved	A	NA		5.7	Y	Absent		NYTCL-8260-R2(14)
L2027694-07C	Vial HCl preserved	A	NA		5.7	Y	Absent		NYTCL-8260-R2(14)
L2027694-08A	Vial HCl preserved	A	NA		5.7	Y	Absent		NYTCL-8260-R2(14)
L2027694-08B	Vial HCl preserved	A	NA		5.7	Y	Absent		NYTCL-8260-R2(14)
L2027694-08C	Vial HCl preserved	A	NA		5.7	Y	Absent		NYTCL-8260-R2(14)
L2027694-09A	Vial HCl preserved	A	NA		5.7	Y	Absent		NYTCL-8260-R2(14)
L2027694-09B	Vial HCl preserved	A	NA		5.7	Y	Absent		NYTCL-8260-R2(14)
L2027694-09C	Vial HCl preserved	A	NA		5.7	Y	Absent		NYTCL-8260-R2(14)
L2027694-10A	Vial HCl preserved	A	NA		5.7	Y	Absent		NYTCL-8260-R2(14)
L2027694-10B	Vial HCl preserved	A	NA		5.7	Y	Absent		NYTCL-8260-R2(14)
L2027694-10C	Vial HCl preserved	A	NA		5.7	Y	Absent		NYTCL-8260-R2(14)
L2027694-11A	Vial HCl preserved	A	NA		5.7	Y	Absent		NYTCL-8260-R2(14)
L2027694-11B	Vial HCl preserved	A	NA		5.7	Y	Absent		NYTCL-8260-R2(14)
L2027694-11C	Vial HCl preserved	A	NA		5.7	Y	Absent		NYTCL-8260-R2(14)
L2027694-12A	Vial HCl preserved	A	NA		5.7	Y	Absent		NYTCL-8260-R2(14)
L2027694-12B	Vial HCl preserved	A	NA		5.7	Y	Absent		NYTCL-8260-R2(14)
L2027694-12C	Vial HCl preserved	A	NA		5.7	Y	Absent		NYTCL-8260-R2(14)
L2027694-13A	Vial HCl preserved	A	NA		5.7	Y	Absent		NYTCL-8260-R2(14)
L2027694-13B	Vial HCl preserved	A	NA		5.7	Y	Absent		NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name:	FORMER WOLLENSACK OPTICAL	**Lab Number:**	L2027694
Project Number:	2182207	**Report Date:**	07/02/20

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

Report Format: DU Report with 'J' Qualifiers

Project Name:	FORMER WOLLENSACK OPTICAL	**Lab Number:**	L2027694
Project Number:	2182207	**Report Date:**	07/02/20

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration

Project Name:	FORMER WOLLENSACK OPTICAL	**Lab Number:**	L2027694
Project Number:	2182207	**Report Date:**	07/02/20

Data Qualifiers

Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Report Format: DU Report with 'J' Qualifiers

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
EPA TO-12 Non-methane organics
EPA 3C Fixed gases
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 2

Date Rec'd in Lab: 7/1/20

ALPHA Job #: L2027694

Client Information
Client: LABELLA ASSOCIATES
Address: 300 STATE STREET
ROCHESTER, NY 14614
Phone: 585-454-6110
Fax:
Email: MPelychaty@LaBellaPC.com

Project Information
Project Name: FORMER WOLLENSACK OPTICAL
Project Location: ROCHESTER, NY
Project # 2182207
(Use Project name as Project #) ☐
Project Manager: MIKE PELYCHATY
ALPHAQuote #:

Turn-Around Time
~~Standard~~ ☐
Rush (only if pre approved) ☒
Due Date:
of Days: 2 Days

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

Deliverables
☐ ASP-A ☒ ASP-B
☐ EQuIS (1 File) ☒ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☒ Same as Client Info
PO # 2182207

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOCs + TICs via 8260	Sample Specific Comments	Total Bottle
27694 -01	SB-MW-07 (6.29.2020)	06/29/20	1300	GW	AGS	X		3
-02	SB-MW-15 (6.29.2020)	06/29/20	1430	GW	AGS	X		3
-03	BW-03 (6.29.2020)	06/29/20	1546	GW	AGS	X		3
-04	BW-01	6/30/20	930		JWF	X	MS/MSD here	9
-05	~~BW-01~~ SB-MW-14		1005			X		3
-06	RIMW-04		1100			X		3
-07	RIMW-02		1120			X		3
-08	SB-MW-16		1145			X		3
-09	RIMW-16		1230			X		3
-10	RIMW-19S		1245			X	permanganate in sample	3

Container Type: V
Preservative: B

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
	6/30/20 15:30	RCunningham AAL	6/30/20 16:52
RCunningham AAL	6/30/20 16:52		7/1/20 00:45

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 2 of 2

Date Rec'd in Lab: 7/1/20

ALPHA Job #: L2027694

Client Information
Client: LaBella
Address: 300 State Street
Rochester, NY 14614
Phone: 585-454-6110
Fax:
Email: mpelychaty@labellapc.com

Project Information
Project Name: Former Wollensack Optical
Project Location: Rochester NY
Project #: 2182207
(Use Project name as Project #) ☐
Project Manager: Mike Pelychaty
ALPHAQuote #:

Turn-Around Time
Standard ☐ Due Date:
Rush (only if pre approved) ☒ # of Days:

Deliverables
☐ ASP-A ☒ ASP-B
☐ EQuIS (1 File) ☒ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☒ Same as Client Info
PO #: 2182207

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOCs + TICs 8260	Sample Specific Comments	Total Bottle
27694 -11	RIMW-19D	6/30/20	13:00	GW	JWF	X	permagnate in sample	3
-12	QA/QC	6/30/20	—	GW	JWF	X		3
-13	Trip Blank	6/30/20	14:00	GW	JWF	X		3

Container Type: V
Preservative: B

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
	15:30 6/30/20	RCunningham AAL	6/30/20 16:52
RCunningham AAL	6/30/20 16:52		7/1/20 08:45

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

APPENDIX F

Field Logs

Daily Field Logs

LaBella
Powered by partnership.

PROJECT Wollensack SHEET ____ OF ____

PROJECT NO. 2182207 CALC. BY ____ DATE ____

SUBJECT ____ SCALE ____

CHECKED BY ____

1/16/2020

0645 J Folger onsite

0700 Set up CAMPs. Hamilton Stern prepping area around 1st floor sump for radiation remediation by Austin Masters. - expected around 0800

0800 Austin Master Services onsite. Cement truck for filling of plumbing trenches on-site

0815 Plumbing trenches beginning to be filled with concrete.

0915 Austin Master setting up. Will begin removal after concrete pouring is complete. Will begin setup at upstairs location while waiting

1000 Both exterior PID batteries dead. No activity requiring monitoring occuring outside

1100 Austin Master begins upstairs radioactive material removal

1130 Concrete pouring done

1330 Upstairs radioactive removal complete, Austin Master cleaning up work area

1400 AMS working on cleaning out downstairs sump

1445 Sump clean up appears to be more contaminated than initially anticipated. Zircon sand in sump. Second floor passed screening. AMS taking down radioactive danger signs. Packing up first floor removal area, will resume tomorrow

1515 J. Folger off-site

LaBella
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PROJECT Wollensack SHEET ____ OF ____

PROJECT NO. ____ CALC. BY ____ DATE 1/17/20

SUBJECT ____ SCALE ____

CHECKED BY ____

0800 J. Folger on-site, Austin Master Services on-site
0815 AMS sets up equipment. J. Folger starts 4-gas meter
1000 Prep complete. AMS's pressure washer lines frozen. Going to rental facility to get replacements
1045 AMS returns
1100 AMS begins pressure washing 1st floor sump
1245 Cleanup complete. Still some radiation. ASM will work with DEC to try and get a risk management plan to close out location. Some naturally radioactive terracotta in sump construction. ASM breaks for lunch
1350 AMS removes a sample of terracotta for analysis
1400 AMS begins cleaning up inside tent. ~~Will have to keep work zone active~~ Will not be able to close out area until after hearing from DEC next week



Rite in the Rain.

ALL-WEATHER

JOURNAL

№ 390F

872 & 886

Hudson Ave.

2182207

Volume #1

Dates: 1/20/2020 – 3/18/2020

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7	IW-S-01	1	1/21/20
12	IW-S-02	2	1/22/20
15	IW-S-03	3	1/23/20
18	IW-S-04	4	1/24/20
20	IW-S-05	5	1/24/20
23	IW-S-06	6	1/27/20
30	IW-D-07	7	1/29/20
30	IW-S-07	8	1/30/20
36	IW-D-08	9	2/3/20
36	IW-S-08	10	2/3/20
46	IW-S-09	11	2/4/20
50	IW-S-10	12	2/5/20
54	IW-S-11	13	2/6/20
63	IW-S-12	14	2/11/20
63	IW-D-12	15	2/7/20
70	IW-S-13	16	2/13/20
70	IW-D-13	17	2/12/20
84	IW-S-14	18	2/18/20
84	IW-D-14	19	2/18/20
94	IW-S-15	20	2/18/20
94	IW-D-15	21	2/19/20
104	IW-S-16	22	2/24/20
104	IW-D-16	23	2/21/20
109	IW-S-17	24	2/25/20
	IW-D-18/IW-S-18 ↑ AKA RIMW-19S/RIMW-19D	25	2/28/20

MADE IN TACOMA — SINCE 1916 —

Rite in the Rain

— DEFYING MOTHER NATURE —

ALL-WEATHER

JOURNAL FIELD BOOK

Name LaBella

Address 872 & 896 Hudson Ave, Rochester N.Y.

Phone 585-454-6110

Project 2182207 - Former Wollensack Optical - Injection well installation & injections

RiteintheRain.com

© 2019
JL DARLING LLC
Tacoma, WA 98424-1017 USA
US Pat No. 6,863,940
6-19

MONDAY
1/20/2020 16°F/SNOWING A.daSilva

0645 - AdaSilva & Hamilton on Site.

0700 - outdoor CAMPS Set up + Indoor Set up + 4 GAS meter
- H's Dumpster Dropped off on Site. No Liner/Cover

0740 - Sarah Logan (LaBella) on site for GW Sampling

0840 - Nothnagle on Site

0900 - LLC (LaBella) Drops off Stand Behind Skidsteer

1000 - LLC Drapes Dumpster w/ Poly

1023 - Nothnagle mobilized in Building

1100 - Nothnagle got Rig in Site Building
* MAX SPIKE on work Zone CAMP spiked (NOT) NOT From Drilling. From Dust Fall from masons in adjacent Room / Walkway

1145 - Dust from adjacent room is entering work Zone AdaSilva told Josh (Hamilton) who told Masons it Needs to be dust free. They Placed Plywood in doorway * Note - Drilling Has Not Even Started

Work Zone Downwind
PID : 592-910712
DUSTTRAK: FA02283

1215 - Masons took Break & Dust is decreasing..
Dust Definetly coming from Masons *

1228 - Coring of Concrete Begins. No Elevated Readings from Rig - All cuttings are wetted and Vacumed

1230 - Confirmed that Josh Spoke w/ masons in adjacent Room & told them it should be Dust Free. Dust Levels Have Significantly Decreased.

1250 - Confirmed NO SAMPLE COLLECTION. Augers begin on IW-S-01 (NE Corner of TREATMENT AREA)

1255 - Drillers take Break & Masons Breeck To work. Since Masons Have Started, Dust Levels have Risen. Josh told them to Lower Dust Again.

1310 - Augering Begins/Continues on IW-S-01

1315 - DUST HAS Decreased to Desired Limits
0-5 Ft = 0.1 ppm via PID
↳ moist F Brown SAND; some SR F-M gravel

1350 - Dust steadily increasing from work in adjacent Room Even though its Blocked off w/ Ply Wood. It does Not appear to be coming from Augering. Moist Soil + Slow Auger speed.
- AdaSilva opens window for Ventilation

1400 - as a precaution, drillers wet Down Soils from Auger to Ensure we are not Creating Dust.
* PID Filter = White Dust = Concrete Dust NOT Dirt.

1422 - Dust Lingers in Air, Windows are open wider.

Rite in the Rain

IW-S-01

Depth (ft)	Time	PID (ppm)	
0-5	1315	0.02	Moist - Dry F Brown SAND; some F-m SR gravel
5-10	1422	0.4-0.6	
10-15	7516	0.3	

1450 - Pin on Rig snapped. Drillers working on getting Rig up & Running again.

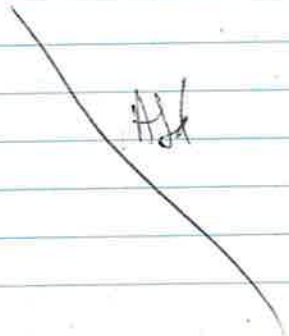
1500 - Pin Replaced & Drilling Continues

1525 - ↓ SAA

1535 - ↓ SAA

1600 - Drillers Pack up + A. daSilva Packs up & Leaves Site for office

NOTE: All A. daSilva's movement is documented via Iphone Health App & Fitbit throughout this Project.



TUESDAY

1/21/2020 10°F / SNOW A. daSilva

0615 - Dropped off Equipment @ Eco Rental

0630 - Picked up CAMPS from La Bella office

0650 - on Site

0700 - CAMPS (Work Zone + NE Doorway) are set up for Background Readings.

0750 - Spoke w/ Josh (Hamilton). He Spoke w/ Masons, their Foreman is on Site Correcting any further Dust issues.

- Sarah Logan on Site for GSW Sampling

0800 - Masons Start work

0810 - Drillers (Nothnagle) on Site.

→ Masons appear to Be Spraying water to help Reduce Dust. Dust Rose in Both DustTRAKs from ~0.03 mg/m³ to ~0.07 mg/m³ Background ↗

0815 - Rig was turned on, W/o windows open CO spiked to 129 ppm immediately. A. daSilva Had Rig turned off until we have access to take Ply wood window @ North Entrance / Ramp off. CO Hovered 18-20 ppm.

0820 - Ply wood taken Down. CO & Dust Levels Decreased to 13-15 ppm CO & 0.06 mg/m3

↳ A. daSilva checked adjacent Rooms to ensure CO was good for working Conditions

0828 - Augering Continues CO ~11ppm w/ machine on.

0850 - Dust on Both CAMPS is:

Door - 0.252 mg/m3

Work Zone - 0.36 mg/m3

Informed Mason Foreman & Josh ~~Rot~~ in the Rain.

0850 Josh Informed Masons to Iowa Dust. Wet + Tamp area.

Prior of 0845 A. daSilva told Masons to wet Bricks.

0855 - Levels Starting to lower on Dust TRAKS

↳ Dust Does Not Seem to ~~Decrease~~ Mud come from moist Soils Coming up from Auger.

0900 → Masons Paved work to make adjustments & Dust Levels on Both meters Decreased By ~ ~~30~~ 0.08 - 0.1 mg/m³ and Continue to Decrease.

0910 CAMP READING

Work Zone: 0.4ppm 0.256 mg/m³ Door: 0 ppm 0.190 mg/m³

- Steadily Decreasing. Appears as once Concrete Dust is Air Borne - takes a long time to Settle Because its so fine.

IW-S-01

Depth (Ft)	Time	PID (ppm)	Soil Characteristics
15-20	914	0.3	moist Light Brown F-VF SAND; Some F-m SR gravel

* Refusal @ 20.3 ft BGS DUE TO Presumably Bedrock @ 0928

1000 - Sand Fell in from 15-20 ft BGS. Drillers will Drill Foot

1000 - work zone: 0.1 ppm 0.059 mg/m³ * NOTE: MASONS Back TO WORK W/ New Poly Door Door: 0.0 ppm 0.054 mg/m³

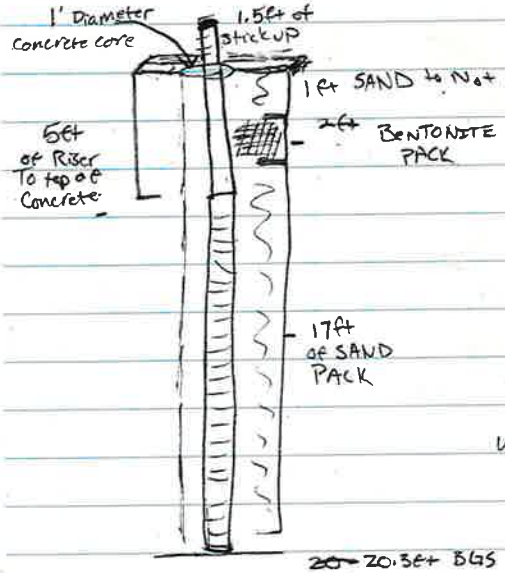
1030 - work zone: 0.08 mg/m³ 0.2 ppm Door: 0.121 mg/m³ 0.0 ppm

- Dust Levels appears to be creeping up from mason work. All drillers augers are Covered in Saturated Soil. No Dust & Cleaned off Before stacking in storage area.

Note → There is an odor of Cut metal Coming from B/E Door/ Coming from Stair case → possible addition of Dust.

This may be why Door Way CAMP is Higher then work Zone CAMP.

IW-S-01 Well Construction Log



Rite in the Rain.

1100 - Work Zone: Doorway:
0.086 mg/m3 0.109 mg/m3
0.1 ppm 0.0 ppm

1220 - Drillers take 15 min Lunch Break

1230 - Work Zone: Doorway:
0.073 mg/m3 0.063 mg/m3
0.1 ppm 0.0 ppm

1242 - CO Level Hit 30ppm. A. daSilva shut Machine turned off and opened up a plywood window to the South of the Building for air circulation.

1300 - Work Zone: Doorway:
0.073 mg/m3 0.068 mg/m3
0.1 ppm 0.0 ppm

1320 - Jon & Mike P (LaBella) on Site.

1330 - IW-S-01 finished - augers will get Decon aminated.
↳ Jon SPOKE w/ Josh about oil in SW corner of Building & Red Fluid on Snow infront of Building. Josh will Bring Some Oil-Dry for Oil & Examine Red fluid.

1448 - A. daSilva Ran into worker w/ Reddish water in Bucket & asked what it was. It is Rinse water from Red Fire Caulk.

1500 - Even w/ Extra plywood windows open, Rig is exceeding CO Level. Nathaniel is seeing if they have an extra Ventilation at this Shop.

1520 - Drillers start to pack up. A. daSilva Tears down CAMP.

1615 - A. daSilva Leaves office after dropping off Equipment

Rite in the Rain

WEDNESDAY

1/22/2020 22°F/Cloudy A. daSilva

NOT Wollensack Time:

615 - 645 → ADaSilva Hours / timesheet

Wollensack Time:

645 - ADaSilva Picks up Equipment From Office

0655 - ADaSilva on site. Will Extract Data from Camps & Convert to PDF.

Drillers should arrive Between 0745 - 0815

0745 - ADaSilva Sets up Doorway & Workzone CAMPS.

- Zero CAL Performed on DustTRAICS w/Filter

0800 - Nathwagle (Drillers) on site. They Brought Ventilation for Drillfumes.

0815 - Workzone: 0.070 mg/m3, 0.1 ppm — Doorway: 0.060 mg/m3, 0.0 ppm

0835 - Lights are Set up & coring of Concrete Begins.

0908 - ~~wa~~ Drilling on IW-S-02 Begins

Work Zone: 0.0 ppm, 0.222 mg/m3 — Doorway: 0.0 ppm, 0.109 mg/m3

↑ Levels are Lowering 0.128 mg/m3 @ 0912

0933 Work Zone: 0.2 ppm, 0.250 mg/m3 — Doorway: 0.0 ppm, 0.220 mg/m3

- A. daSilva will assess to identify Source of Dust

Soil appears to be moist - No DUST.

- ADaSilva Sprayed 1) Equipment 2) Drillers wetted Soil/Auger still High

Drill Log Depth (Ft)	time	Highest (ppm) PID	General Soil Description
0-5	0920	0.2	Brown VF-F SAND; moist; some SR F-M gravel/trace CSAND
5-10	1010	0.4	"
10-15	1058	1.7	SAA, very Moist, Lighter Brown;
15-20	1133	2.3	" appears to Be Saturated

0949 - ADaSilva took down SW Plywood window which created a cross breeze that significantly lowered Dust Levels on BOTH CAMPS to < 0.150 mg/m3 By 1003

DUST MITIGATED - Wind Pushes From SW to NE corner windows *

1005 - Work Zone: CO 0 ppm, LEL 0, H2S 0, O2 20.9, 0.1 ppm, 0.113 mg/m3 — Doorway (Downwind): 0.0 ppm, 0.129 mg/m3

1100 Work Zone: CO 0 ppm, LEL 0, H2S 0, O2 20.9, 0.1 ppm, 0.046 mg/m3 — Doorway: 0.0 ppm, 0.049 mg/m3

1113 - Pin Broke on Drill. Drillers Fix w/in 5-10 min. & are Back up & Running.

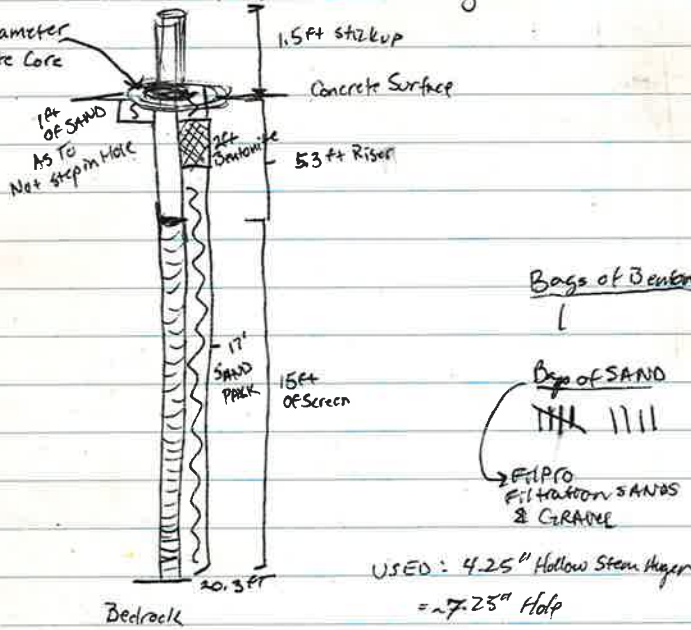
1125 - " SAA "

1141 - Hit Bedrock @ 20.3 ft

1200 - Work Zone: CO 3, LEL 0, H2S 0, O2 20.9, 0.1 ppm, 0.042 mg/m3 — Doorway: 0.0 ppm, 0.046 mg/m3

Rain in the Rain.

IW-S-02 Well Construction Log



Bags of Bentonite
1

Bags of SAND
IIII IIII

FILPRO Filtration SANDS & GRAVEL

USED: 4.25" Hollow Stem Auger
= ~7.25" Hole

Install time: 1400

1300- Work Zone CO 0.0 LEL 0.0
0.0 ppm H2S 0.0 O2 20.9
0.040 mg/m3
Doorway
0.0 ppm
0.033 mg/m3

1400- Work Zone CO 0 LEL 0
0.0 ppm H2S 0 O2 20.9
0.036 mg/m3
Doorway
0.0 ppm
0.033 mg/m3

1442- Moved IW-S-03 4ft to the East due to Pre-installation of Stormwater & Sewerline via trench.

1458- Coring of Concrete for IW-S-03 Begins. Ends @ 1505

1500- Work Zone CO 3ppm LEL 0 H2S 0 O2 20.9
0.0 ppm
0.039 mg/m3
Doorway
0.0 ppm
0.038 mg/m3

1510 - Drillers are Decontaminating augers on Decon Pad (NW corner)

1600 - Left Site

Rite in the Rain.

THURSDAY

1/23/20 29°F / Cloudy A. daSilva

0700 - A daSilva on Site. Will extract and upload data. Drillers should arrive around 0730 - 800. Full construction going on throughout Site. May Need to get Extra Poly for Covering Dumpster. ~1ft is Not Covered.

0745 - CAMPS Are up & data has been uploaded to the Server. Additionally, Both Dust traks have been Zeroed using Zero CAL Filter

Background prior to work

Work Zone	CO	LEL	Doorway
	5	0	
0.0ppm	H_2S	O_2	0.0ppm
0.025 mg/m3	0	20.9	0.017 mg/m3

0800 - Drillers on Site (Nothnagle)

- vent Set up + SWest Plywood door & NE Plywood Door open for ventilation.

0815 - Augering Begins on IW-S-03

Drill Log

Depth (Ft)	Time	Highest PID (ppm)	General Description
0-5	0838	0.2	F-VF Brown Moist SAND; trace Clay; little FSR Gravel
5-10	0900	0.3	SAA
10-15	0940	9.5	SAA BUT VFSR-SA Gravel
15-19	1032	2.5	SAA - GW appears to be @ ~18 ft BGS (Saturated Soils)

0955	Work Zone	CO	LEL	Doorway
		3	0	
	0.0ppm	H_2S	O_2	0.0ppm
	0.049 mg/m3	0	20.9	0.048 mg/m3

* Kevin From Nothnagle Has alone all Drilling *

0958	Work Zone	CO	LEL	Doorway
		0	0	
	0.1ppm	H_2S	O_2	0.0ppm
	0.031 mg/m3	0	20.9	0.029 mg/m3

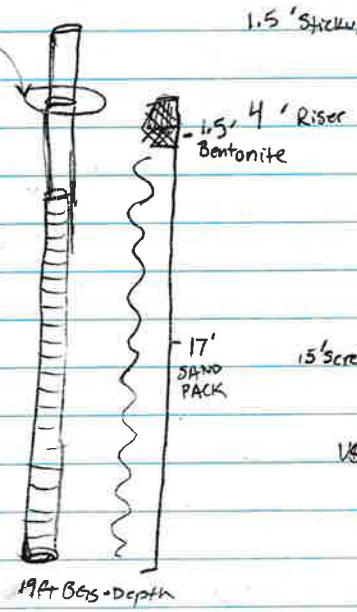
1010 - Jack Berman (AMS) moving Radioactive waste Drums.

1020 - NOTE: Metal Saw cutting in Elevator Shaft Doorway Caused occasional Spike in Dust.

1032 - End of Drilling - Refusal @ 19ft BGS

1048 - Spoke with Josh about Getting Oil Sorb for SW Corner of Oil Bricks

IW-S-03 Well Construction Log



Bags of Bentonite
1/2

Bags of SAND
~~IIII~~ III
8.5 Bags

USED - 4.25" Hollow Stem Auger
~7.25" Hole

1100	Work Zone	CO	LEL	Doorway (Down Wind)
		0	0	
	0.0ppm	H_2S	O_2	0.0ppm
	0.054 mg/m3	0	20.9	0.050 mg/m3

Rite in the Rain.

* NOTE: WORKZONE PID USED IN SCREENING SOIL

1100 - AMS Left Site

1120 - Drillers Swapping Gas TANK.

1200 - IW-S-03 Completed. Area gets cleaned; Soil put in Roll off.

1300 - Work Zone

CO	LEL	Doorway
0	0	0.0ppm
0.0ppm	O^2	0.028 mg/m3
H_2S	20.9	
0		
0.064 mg/m3		

1314 - Concrete Coring (12") Begins on IW-S-04 after Rig is Bolted to Floor. Finish at: 1330

1345 - Augers got Decontaminated in NW Corner Deton Pad.

1400 - Work Zone

CO	LEL	Doorway
0	0	0.0ppm
0.0ppm	O^2	0.035 mg/m3
H_2S	20.9 %	
0		
0.035 mg/m3		

- Drilling on IW-S-04 Begins

1500 - Work Zone

CO	LEL	Doorway
0	0	0.0ppm
0.1ppm	O^2	0.036 mg/m3
H_2S	20.9	
0		
0.042 mg/m3		

1540 - Drilling Ends for the day & Equipment is packed up.

1550 - Adasilva Leaves Site.

1/24/2020 Friday 29°F/Partly Cloudy A. daSilva

0700 - Adasilva arrives on Site.

* NOTE - PAST Week WORKZONE PID 1 hr Ahead. Will Correct in spreadsheet.

0740 - Adasilva set up CAMPS after extracting data.

IW-S-04 Drilling log

(Ft) Depth	Date	Time	(ppm) PID	General Description
0-5	1/23	1420	0.3	moist VF-F Brown SAND; trace Clay; trace FSA Gravel
5-10	1/23	1450	1.0	SAA
10-15	1/23	1580	6.7	SAA
15-19.2 (19.2 BGS)	1/24	0925	2.7	SAA - SATURATION Appears to be @ ~19ft BGS ↳ Refusal (Bedrock) @ 19.2ft BGS

(Kevin)

0800 - Drillers (North Night) on Site. Drilling Begins @ 0815

0830 - workzone

CO	LEL	Doorway
3	0	0.0ppm
0.1 ppm	O^2	0.052 mg/m3
H_2S	20.9	
0		
0.116 mg/m3		

0820 - SW Plywood window & NE Plywood window opened.

+ Dumped load of Soil ~~From Y~~ AM.

0900 - workzone

CO	LEL	Doorway
3	0	0.0ppm
0.2ppm	O^2	0.063 mg/m3
H_2S	20.9	
0		
0.08 mg/m3		

1000 workzone

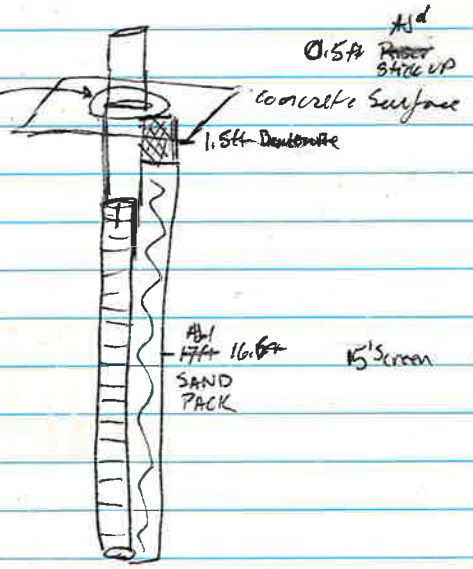
CO	LEL	Doorway
3	0	0.0ppm
0.0ppm	O^2	0.042 mg/m3
H_2S	20.9	
0		
0.057 mg/m3		

Rite in the Rain.

12.3
-2.6
16.8

Well Construction Log ~~IW-0~~ IW-S-04

Completion time: 1032



1136 AM Refusal (Bedrock) @ 19.2ft

~~1155~~ - Concrete Coring on IW-S-05 Begins

1100 - Work Zone	CO	LEL	Doorway
0.1 ppm	0	0	0.0 ppm
0.106 mg/m3	H2S 0	O2 20.9	0.057 mg/m3

1106 - A. DaSilva paused and ~~Restarted~~ Started Both Dust TRAKs to check Run Mode & make sure they are correct.

1140 - Drillers working on Draining Decon water & Deconing Augers.

1230 - Drilling of IW-S-05 Begins

Work Zone	CO	LEL	Doorway
0.4 ppm	0	0	0.0 ppm
0.094 mg/m3	H2S 0	O2 20.9	0.056 mg/m3

1300 - Work Zone	CO	LEL	Doorway
0.2 ppm	0	0	0.0 ppm
0.093 mg/m3	H2S 0	O2 20.9	0.067 mg/m3

Drill Log of IW-S-05

(Ft) Depth	DATE	TIME	PID (ppm)	General DESCRIPTION
0-5	1/24	1300	0.3	VF BROWN SAND; MOIST; LITTLE SR. F GRAVEL - TRACE SA F GRAVEL
5-10	1/24	1327	0.5	SAA " "
10-15	1/24	1401	0.4	SAA " "
15-20	1/24	1436	0.9	SAA " "

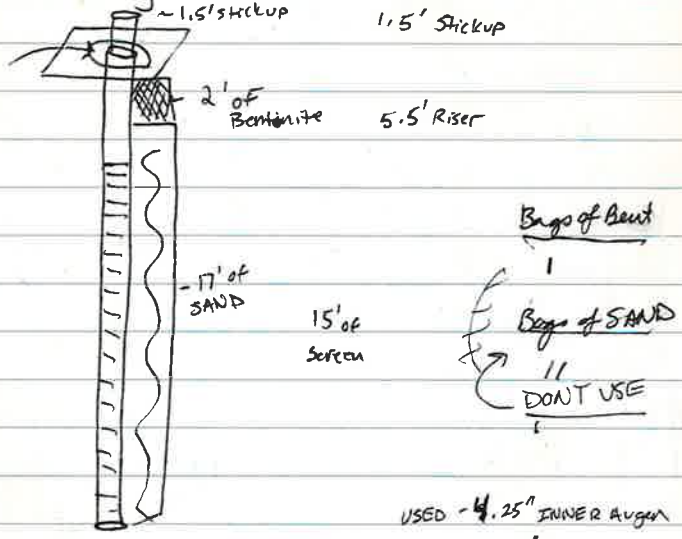
1400 Work Zone	CO	LEL	Doorway
0.1 ppm	0	0	0.0 ppm
0.081 mg/m3	H2S 0	O2 20.9	0.07 mg/m3

1500 Work Zone	CO	LEL	Doorway
0.1 ppm	0	0	0.0 ppm
0.076 mg/m3	H2S 0	O2 20.9	0.066 mg/m3

→ Down to Depth of 20.5' for IW-S-05

Rite in the Rain

Well Construction Log IW-S-05.



Depth 20.5 FtBGS

~1530 - Doorway PID DIED.

1541 - End Drilling for today. IW-S-05 w.ll be finished Next Monday. Equipment is Picked up.

1600 - Adam Silva leaves Site to Drop Equipment off at La Belle Lab.

0730 A. Brett on-site, weather cloudy 33°F
Indoor overburden injection wells planned for today

0800 Nothnagle on-site. Kevin Busch - Driller.

0815 A. Brett set up and started CAMP stations Background PID 0.2 ppm and dust ~ 0.080 mg/m3 prior to work starting.

0830 Four gas meter started, rig started (venting outside) CO = 3 ppm
Summary of CAMP units below
- Four Gas: QRAE 3 - FA03826 (Eco identifier)
- Work zone Units: PID - miniRAE 3000 (FA00918) Dust trak (FA02285) runmode Manual - 15
- Doorway Units: PID - miniRAE 3000 (FA00345) Dust trak. (FA02727) runmode Manual - 15

0835 Nothnagle begins finishing installation of IW-S-05

0900

Work zone	CO	H_2S	Doorway
(PID) 0.02 ppm	3 ppm	0.0 ppm	0.0 ppm (PID)
(Dust) 0.073 mg/m3	LEL 0 %	OXY 20.9 %	0.046 mg/m3 (Dust)

0930 IW-S-05 install completed, Nothnagle cleaning up around well. Soil to be added to poly-lined roll off.

0955 Josh of Hamilton Stern informed that they may be digging on-site wednesday or thursday this week for sewer laterals

Rite in the Rain

1000 Workzone: 0.1 ppm (PID); 0.031 mg/m³ (dust) | CO: 4 ppm; LEL: 0 % | H2S: 0.0 ppm; Oxy: 20.9 % | Doorway: 0.0 ppm (PID); 0.028 mg/m³ (dust)

1005 Nothnagle began coring at location for IW-S-06, location was moved by ~ 1/2 foot due to piping. Concrete ~ 0.5-ft (six inches) thick

1033 Augers decontaminated prior to beginning augering at IW-S-06. Decon'd with pressure washer in decon pad. Pressure washer vented to outside.

1045 Drilling completed with propane powered floor mounted drill rig. Using 4.25 inch augers

1108 Nothnagle begins auger for IW-S-06 location

1110 Workzone: 0.1 ppm (PID); 0.031 mg/m³ (dust) | CO: 4 ppm; LEL: 0 % | H2S: 0.0 ppm; Oxy: 20.4 % | Doorway: 5.0 ppm (PID); 0.016 mg/m³ (dust)

1120 IW-S-06 Drilling Log

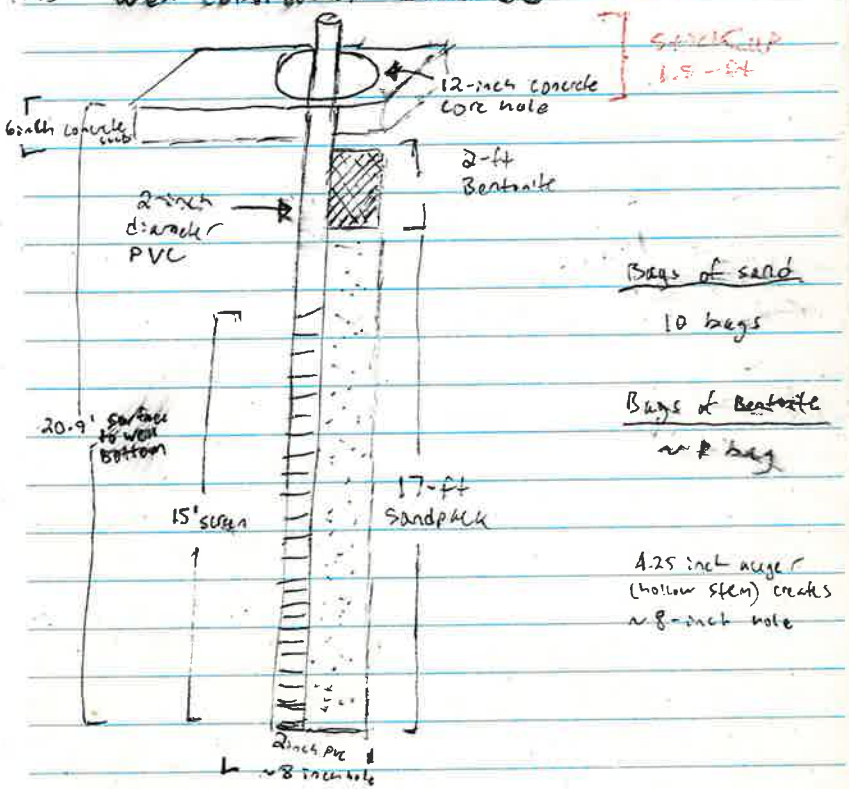
* Workzone PID used for screening

Depth (ft)	Date	Time	PID (ppm)	Description
0-5	1/27/20	1120	0.3	Brown fine sand, little clay, trace silt, moist, no odor
5-10	1/27/20	1136	3.7	Brown silty sand, little clay, trace fine gravel, moist, no odor
10-15	1/27/20	1213	29.5	Brown silty sand, little SA gravel, moist no odor
15-20	1/27/20	1315	2.4	Similar to above
20-20.9	1/27/20	1330	1.0	Similar to above

1333 IW-S-06 installed to 20.9-ft bg with 15-ft of well screen and appropriate amount of sand to surface.

1335 Workzone: 0.1 ppm (PID); 0.041 mg/m³ (dust) | CO: 0 ppm; LEL: 0 % | H2S: 0.0 ppm; Oxy: 20.9 % | Doorway: 0.0 ppm (PID); 0.013 mg/m³ (dust)

1345 Well Construction IW-S-06



Bags of sand: 10 bags

Bags of Bentonite: ~1 bag

4.25 inch auger (hollow stem) creates ~8-inch hole

1500 Bentonite hydrated with potable water. Sand over top to surface.

1505 Workzone: 0.0 ppm (PID); 0.025 mg/m³ (dust) | CO: 0 ppm; LEC: 0 % | H2S: 0.0 ppm; Oxy: 20.9 % | Doorway: 0.0 ppm (PID); 0.013 mg/m³ (dust)

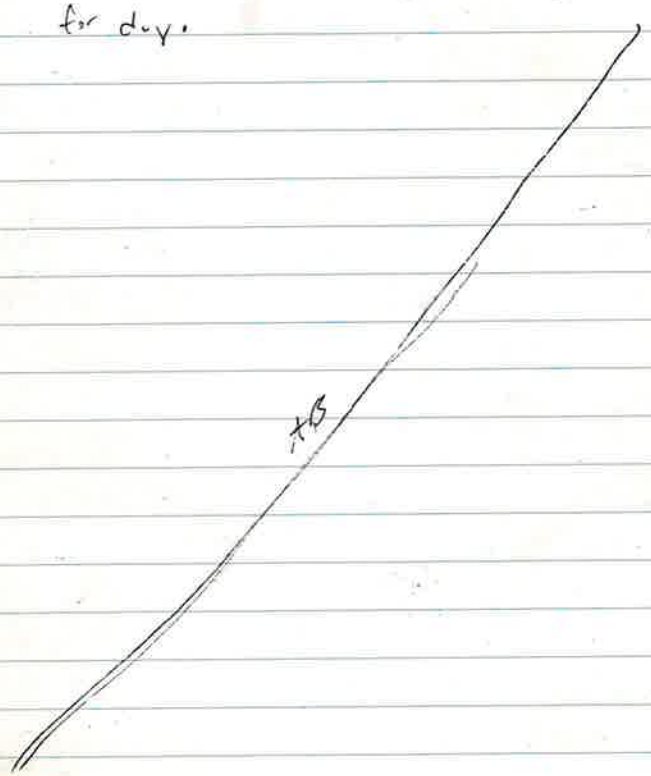
1510 Doorway PID battery out. Battery replaced, unit restarted.

Rite in the Rain

1515 Soils cuttings from IW-S-06 installation brought to and dumped into poly lined rolloff. Excess soils remain at well to be added to rolloff. Drill rig unscrewed from floor.

1530 Excess soil cuttings scooped into loader, rig back on wheels. Nothnagle moving rig to next location, will not be starting drilling today. Nothnagle putting boards back over window openings. A.Brett ending CAMP monitoring packing up CAMP stations

1545 A.Brett offsite, nothnagle finishing packing up for day.



0730 Alex Brett on site. Raising SB-MW-16 well in basement (1-inch well). PVC coupler and PVC riser added. Hamilton Stern said concrete slab to be poured in basement today.

0745 Weather: Snowy, cloudy, 30° F

0800 Nothnagle arrive on-site, taking boards of window openings, bringing CAMP setups inside.

0855 CAMP setups started (workzone + doorway)

0915 Nothnagle begins coring concrete slab for next location, location already marked on concrete.

0920 Planned site work today includes injection well installation

0940 Nothnagle begins drilling at location

0945

Workzone	Doorway	CO	H_2S
0.0 ppm (PID)	0.0 ppm (PID)	0 ppm	0.0 ppm
0.026 mg/m³ (dust)	0.017 mg/m³ (dust	LEL 0 %	Oxy 20.9 %

1042 Pin on rig snapped nothnagle replacing

1045

Workzone	Doorway	CO	H_2S
0.0 ppm (PID)	0.0 ppm (PID)	0 ppm	0.0 ppm
0.027 mg/m³ (dust)	0.013 mg/m³ (dust)	LEL 0 %	Oxy 20.9 %

1130 Auger down to 5-ft bgs. Using 6.25-inch hollow stem auger, location is for nested pair

1133 Walk behind stone tamper being used by other contractor in elevator shaft (prepping for concrete) causing dust in work zone.

Rite in the Rain

1145 Workzone: 0.4 ppm (PID); 0.043 mg/m³ (dust) — Doorway: 0.0 ppm (PID); 0.048 mg/m³ (dust) — CO: 3ppm; LEL: 0% — H2S: 0.0 ppm; Oxy: 20.9%

1225 Doorway PID battery ran out, battery replaced

1230 IW-S-07 & IW-D-07 drilling log

Depth (ft)	Date	time	PID Peak (ppm)	Description
0-5	1/28/20	1130	1.0	Brown silt and clay little sand moist, no odor
5-10	1/28/20	1245	2.6	Brown silt, trace sand, wet, no odor
10-15	1/28/20	1325	31.5	Brown sandy silt, little cut gravel, moist to wet no odor
15-20	1/28/20	1455	20.7	Similar to above
20-20.5	1/28/20	1530	3.4	Similar to above

* Bedrock ~20.5 ft bgs * Workzone PID used for screening

1245 Workzone: 0.0 ppm (PID); 0.018 mg/m³ (dust) — Doorway: 0.0 ppm (PID); 0.007 mg/m³ (dust) — CO: 0 ppm; LEL: 0% — H2S: 0.0 ppm; Oxy: 20.9%

1340 Units for CAMP set ups same as yesterday refer to pg. 21. Dust tracks run mode Manual 16 for both dust tracks. Same drill rig as previous day and same driller Kevin Busch.

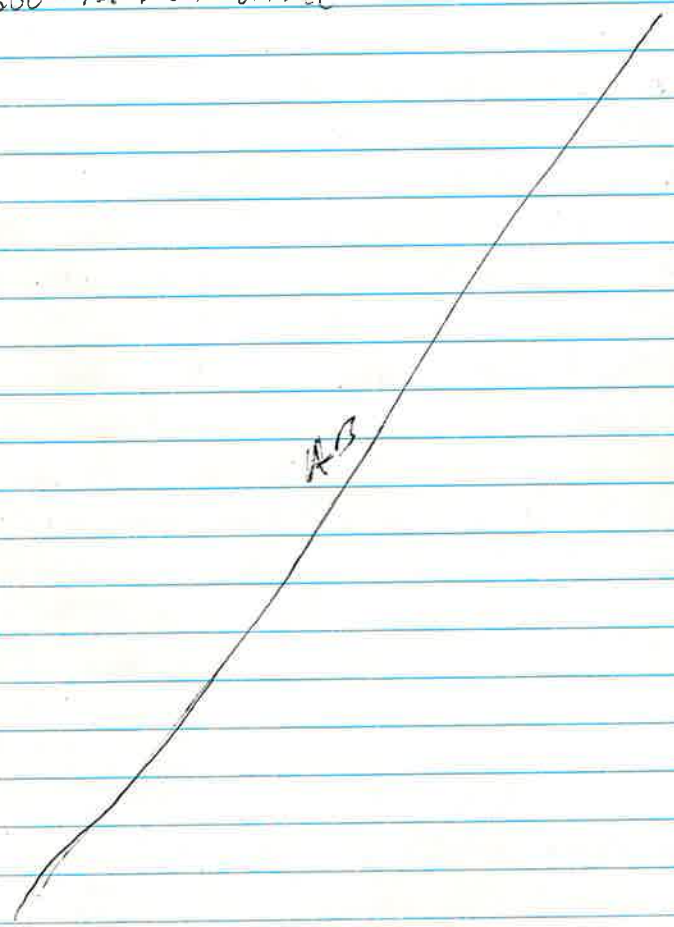
1345 Workzone: 0.0 ppm (PID); 0.029 mg/m³ (dust) — Doorway: 0.0 ppm (PID); 0.008 mg/m³ (dust) — CO: 0 ppm; LEL: 0% — H2S: 0.0 ppm; Oxygen: 20.9%

1445 0.0 ppm (PID); 0.032 mg/m³ (dust) — Doorway: 0.0 ppm (PID); 0.013 mg/m³ (dust) — CO: 0 ppm; LEL: 0% — H2S: 0.0 ppm; Oxy: 20.9%

1530 Bedrock reached at 20.5 ft bgs in IW-S-07 and IW-D-07. Nested pair locations, as such, rock will be cored prior to well installations.

1545 Nathaniel preparing core barrel. A. Brett packing up CAMP setups

1600 A. Brett offsite



Rite in the Rain.

0730 A. Bratt on-site unloading CAMP Equipment.

0800 Nothnagle drilling on-site, Kevin Busch-driller. Weather cloudy, low 20's °F

0805 AMS - Jake Bement on site to remove tent over sump area.

0830 CAMP set ups started. Same units as previous days. Manual-1.7 runmodes for dustracks

0835 Nothnagle Setting up. Plan for today: injection well installation starting with rock core for IW-D-07.

0927 Nothnagle begin coring rock at IW-D-07

0930

Workzone	Doorway	CO	H_2S
0.1 ppm (PID)	0.0 ppm (PID)	2 ppm	0.0 ppm
0.094 mg/m³ (dust)	0.044 mg/m³ (dust)	LEL 0%	Oxy 20.9%

0945 Hamilton Stern scooping crushed stone into sump causing visible dust in air throughout indoor area. AMS done removing enclosure, vacuuming and sweeping area causing dust in air.

1000 High reading on dust trak's as a result of sweeping + crushed stone.

1038

Workzone	Doorway	CO	H_2S
0.2 ppm (PID)	0.0 ppm (PID)	0 ppm	0.0 ppm
0.069 mg/m³ (dust)	0.067 (dust)	LEL 0%	Oxy 20.9%

1128 First 5-ft of rock recovered

1220 Core log for first 5-ft run from 20.5-25.5 at IW-D-07 created on separate field log sheet. 2.5-inch diameter core, recovered 56.5/60 inches

1238 Hose dragged across floor by concrete contractor stirring up dust.

1240 Rig setup leaking water onto floor. Water vacuumed up and containerized in drums

1245

Workzone	Doorway	CO	H_2S
0.4 ppm (PID)	0.0 ppm (PID)	0 ppm	0.0 ppm
0.049 mg/m³ (dust)	0.093 mg/m³ (dust)	LEL 0%	Oxy 20.9%

1345 Second run of rock core recovered. Recovered 58.75-inches out of 60 from 25.5-30.5 ft bgs @ IW-D-07. Rock core log on separate field log sheet.

1400 Nothnagle begin installation of bedrock well IW-D-07. Using 8.5-ft of pvc well screen, 9-ft of sand, 1-ft of grout to top of bedrock and pvc riser to surface

1430

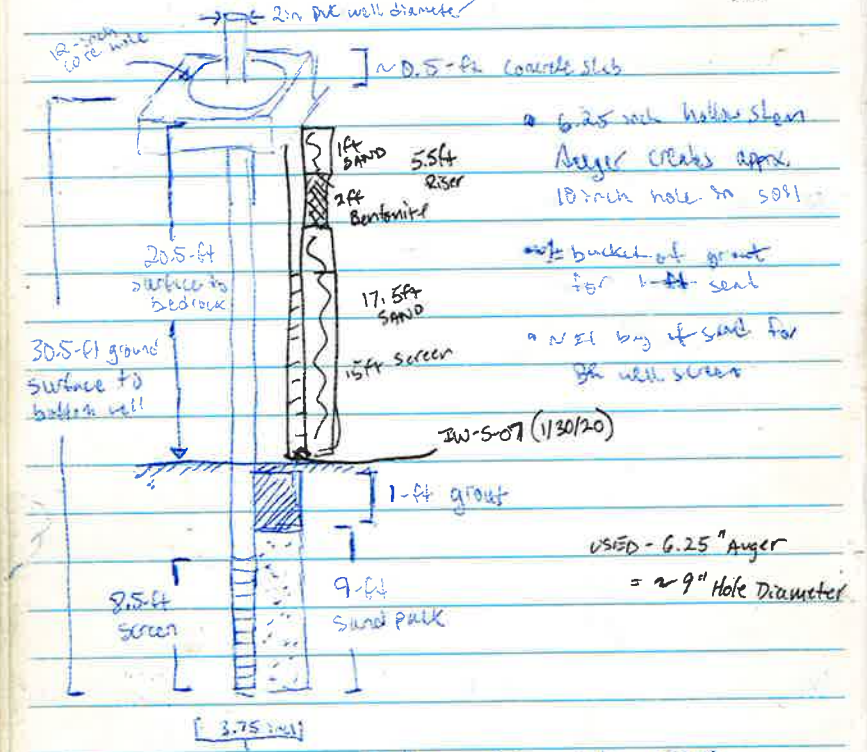
Workzone	Doorway	CO	H_2S
0.0 ppm (PID)	*0.0 ppm (PID)	0 ppm	0.0 ppm
0.028 mg/m³ (dust)	0.020 mg/m³ (dust	LEL 0%	Oxy 20.9%

*PID in doorway was out of battery upon checking. Battery replaced, PID restarted.

1442 Photo taken of IW-D-07 rock core.

Rain in the Rain

1445 Well construction IW-D-07 Blade ink = 1/30/2020 AM



- 6.25 inch hollow stem Auger creates approx. 10 inch hole in soil
- ~½ bucket of grout for 1-ft seal
- ~1 bag of sand for the well screen

USED - 6.25" Auger = ~9" Hole Diameter

Core barrel creates ~3.75 inch hole in ROCK (core recovered is less ~2.5 inch diameter)

1500 Nothnagle letting grout set over night prior to installing IW-S-07 in same bore hole. Augers currently still in the ground.

1505 Nothnagle picking up materials from floor and getting ready for following day.

1510 Nothnagle off site

1515 A. Brett labeling drums

1515 Approximately three drums of water created during bedrock drilling. Approximately 40 gallons of water lost during drilling.

1515 A. Brett shutting down CAMP station, packing up car

1545 A. Brett offsite, returning to office to drop off equipment for A. Dasika



1/30/20 20°F cloudy A. daSilva

~~0630~~ 0600 - A. daSilva drops off Supplies to Eco
not changed to Project 0630 - A daSilva prints Kodak Paperwork

0645 - A daSilva packs up CAMPS for Site + Zero Cal the DustTRAK

0700 - A daSilva on Site. Will Extract Data from CAMPS & Set up CAMPS.

0800 - Drillers on Site

0830 - A daSilva Sets up 3rd Dustrack Down wind of Sewer Line Excavation & Doorway CAMP on up wind CAMP for Out Door Excavation.
- Manafest
- Doc.
- offsite digging

0910 - A daSilva Confirmed only offsite Excavation is taking place. The "Doorway" CAMP is Placed Back by the Doorway. The 3rd Camp will Remain By Excavation & Site Line until it is confirmed we no longer need it.

0915

Work Zone	CO	LEL	Doorway
0ppm	0	0	0ppm
	H_2S	O^2	
0.049 mg/m³	0	20.9	0.046 mg/m³

0945 - PID Screen of Dirt in Road @ 5 ~~Aft BGS~~ ASH 0.0ppm
will be digging to 14 ft BGS
- Webster Dumbsite ~~Henly~~ Hayly Rd Henly Rd

TRUCK: CRUPI Gravels Products Inc. // Victor Excavating & Landscaping
USDOT 1150719 USDOT 115 0044

Truck Loads for off site
- ~~7777~~ Possibly only 4

1013 - Told Contractor Jeff (Hamilton) No Soil from off Site can be Placed onsite. Jeff was Pissed and said he'd Place on Poly. ↳ warning ~~Point~~ was said
~~IW~~ IW-S-07 Complete @ 1040. Well construction Log on Page 30.

1100 - Concrete Cutting on ~~Tested~~ well ISW-S-08 & IW-D-08 Begins. * Note: Offsite excavation has yet to put Soil on Site since warning Pissed off Jeff @ 013. DUDE Needs some Camomile tea ~~and t~~ to chill out. Mous going to have a fkod damn Heartattack.

1105

Work Zone	CO	LEL	Doorway
0.0PPM	0	0	0.0ppm
	H_2S	O^2	
0.063 mg/m³	0	20.9	0.05 mg/m³

1145 - Decon & Soil Dumping into Dumpster

1245 - Augering Begins + Heater is turned off

Work Zone on IW-S-08 & IW-D-08	CO	LEL	Doorway
0.1ppm	0	0	0ppm
	H_2S	O^2	
0.025 mg/m³	0	20.9	0.026 mg/m³

IW-S-08 Log

Depth	Time	Date	PPM PID	General Description
0-5	1320	1/30	0.4	VF Brownish Silt; some Clay; Little SA-SA F-M grained
5-10	1520	1/30	0.6	SAA - appears to have slightly more clay ~~Amount~~
10-15	0930	1/31	5.5	
15-20	1100	1/31	7.6	
20.5-30.5				

Rite in the Rain.

1315 - work Zone | CO 0 | LEL 0 | Doorway
0.3ppm | H2S | O2 | 0.0ppm
0.100 mg/m3 | 0 | 20.9 | 0.080 mg/m3

1415 work Zone | CO 0 | LEL 0 | Doorway
0.2ppm | H2S | O2 | Dead PID
0.080 mg/m3 | 0 | 20.9 | 0.081 mg/m3

1515 work Zone | CO 0 | LEL 0 | Doorway
0.2ppm | H2S | O2 | 0.0ppm
0.086 mg/m3 | 0 | 20.9 | 0.076 mg/m3

1615 - Peastone / Gravel DUMPED ON Site By Crupi Gravel. A-deSilva Leaves site for office.

1/31/2020 30°F; Cloudy A. deSilva

0645 - at office for Equipment
0700 - onSite * SPIKE on work zone PID USED to screen GAS connection on RIG
700 - 730 → Charge Kodak data while waiting for Drillers.
730 - Set up CAMS + multi RAE
- Drillers onSite @ 0750

0750 Work Zone | CO 0 | LEL 0 | Doorway
0ppm | H2S | O2 | 0ppm
0.051 mg/m3 | 0 | 20.9 | 0.029 mg/m3

0800 - A-deSilva Spoke w/ Josh about Paperwork from Gravel that got dropped off Yesterday.
- AdeSilva Set up CAMP on Site Boundary & street (off Site) Excavation.

0810 Drillers Prepping Rig (oil, gas, etc.) (propane)
0828 - Augering Begins
0845 - Street Excavation Begins

0855 - workZone | CO 0 | LEL 0 | Doorway
0.2 ppm | H2S | O2 | 0ppm
0.094 mg/m3 | 0 | 20.9 | 0.077 mg/m3

0930 - Gravel Dumpedon sidewalk (offsite) By Bunker trucking
VSPOT 18GOH19NY for offsite Excavation.

1000 workZone | CO 0 | LEL 0 | Doorway
0.1ppm | H2S | O2 | 0ppm
0.052 mg/m3 | 0 | 20.9 | 0.031 mg/m3

1115 workZone | CO 0 | LEL 0 | Doorway
0.4ppm | H2S | O2 | Dead PID - swapped to truck Back on
0.067 mg/m3 | 0 | 20.9 | Adel 0.053 mg/m3

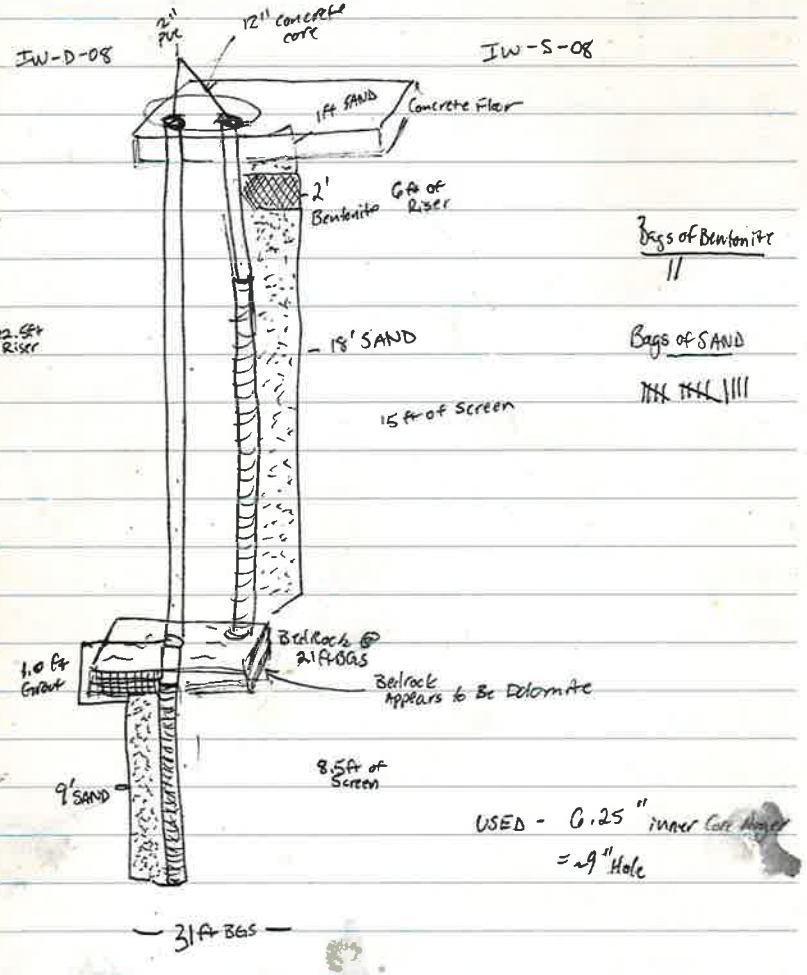
1140 - Bedrock encountered on IW-S-08 @ ~~20.5ft~~ 21ft BGS

Rite in the Rain

IW-S-08 / IW-D-08 Well Construction Log

Depth to Bedrock: ~~20.5~~ AV 21' BGS

Using 50 GAL H2O Tote for Overnight 20



Bags of Bentonite
//

Bags of SAND
IIII IIII IIII

USED - 0.25" inner Core Auger
= ~9" Hole

* RED TAPE marks Bedrock well

~ 50 - ~~70~~ AV gal of H2O USED for Augering/Boring

1238 work zone | C_O 0 | LEL 0 | Doorway 0 ppm
0.2 ppm | H_2S 0 | O_2 20.9
0.074 mg/m³ | | | 0.042 mg/m³

1240 - after Rock Core setup, Coring begins into Dolomite.
- additional Truck for offsite → VSDOT 2375573NV
  - Not sure if offloading gravel, onloading gravel, or both.

1355 - (21-26 ft) Dolomite Core obtained * work zone

PID USED TO Screen

RQD = 100 x (Sum of Peices >100mm (4in) / Length)

(ppm) PID	Ft
81	1
22.5	2
8.6	3
8.7	4
5.1	5
27.6	6 ← possible contaminated H2O Back fill
1.1	7
1.4	8
0.6	9
0.7	10

1436 work zone | C_O 0 | LEL 0 | Doorway 0 ppm
0.5 ppm | H_2S 0 | O_2 20.9
0.051 mg/m³ | | | 0.043 mg/m³

Rite in the Rain

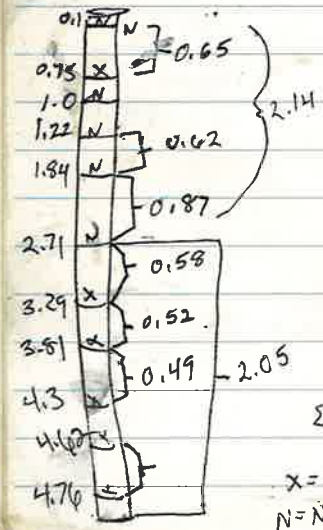
IW-D-08 Rock Core

Run #1: 21.0 - 26 ft BGS 4.15 ft Recovery



20 inches
PS inches
+ 6 inches
31" / 60" x 100 = 51.67%
= RQD

26
Run 2 26 - 31 ft



End @ 1550

X = mechanical
N = Natural

2.9 + 2.24 = 5.14 = 5ft Recovery

All Fractures are horizontal.

4.19 ft = 50.28" / 60" x 100 = 83.8

2/3/2020 A. daSilva 40°F Sunny

0645- A. daSilva picks up additional PFD from office in CASE there is Excavation work on site.

0700- A. daSilva sets up CAMPS. Zero Cal Complete using Zero cal Filter on All Dust TRAKs

* ~~1 Bucket = 4.3 Cubic Feet = 0.16~~

1 Bucket = 9 A^3 = 0.333 yd^3

0750- Drillers on site

0812- Confirmed Excavation on Site after Sidewalk gets cleared. Doorway Camp will be used as UPWIND CAMP LaBella's CAMP will be used as Downwind CAMP.

0820- DELAY - Drillers Cannot Park on site due to loadoff of Brick in the way.

0830- Drillers finally get access to a parking Spot. and start setting up.

0840- Installation of IW-S-08 & IW-D-08 Begins.
Refer to Page 36 for well construction Logs.
- Outdoor Excavation has also started, but Removing offsite for Now.

0850 Workzone CO - 0 LEL - 0
0.034 ms/m3 H2S - 0 O2 - 20.9
0.0ppm

outdoor

UPwind	Downwind
0.0ppm	0.0ppm
0.014 ug/m3	0.021 ms/m3

↳ x1 Truck load of gravel dumped in Street (offsite) excavation. Banks Trucking Inc.
USDOT 1566419
Ramonds Trucking ~~to~~ Sidewalk Soil off street (offsite)
USDOT 1136142

Rite in the Rain



0920 - Dumped Soil in Dumpster.

- A.daSilva Informed By Victor Excavation & Josh (Hamilton) that on site Excavation will occur tomorrow and NOT TODAY. LaBella is working on seeing if we need additional testing to Revise top 0-2ft of Soil for tomorrows excavation

0930 -	Workzone	upwind	Downwind	CO - 4	LEL-0
	0.045 mg/m3	0.014 mg/m3	0.034 mg/m3	H2S - 0	O2 - 20.9
	0.0ppm	0.0ppm	0.0ppm		

1020

Work Zone Dust TRAL over 0.150 mg/m3 Due to mason Saw Cut. A.daSilva will see if they can water it Down. and also open another Poly Add Ply wood window

1034 - Dust was mitigated. Masons are using vacuum & another Plywood door was opened. Dust levels are dropping.

1040	workzone	upwind	Down wind	CO - 4	LEL-0
1	0.111 mg/m3	0.069 mg/m3	0.013 mg/m3	H2S - 0	O2 - 20.9
	0ppm	0.0ppm	0.0ppm		

* NOTE: ANY Dust in workzone is from Masons taking Down WALL. Able to Reduce Dust to 0.110 - 0.160 mg/m3 Additionally Saw Cutting / Wood is Being Done near CAMP / in same Room. (All minor).

1120 - IW-S-08 & IW-D-08 Injection wells completed.

* Refer to page 36 for Construction Log

1140 -	workzone	upwind	Downwind	Co - 3	LEL-0
	0.123 mg/m3	0.012 mg/m3	0.016 mg/m3	H2S - 0	O2 - 20.9
	0ppm	0.ppm	0.0ppm		

Saw Dust From over Head.

↗ Drillers took ~20 min Lunch

1210 - A.daSilva Confirmed w/ Mike Pelychaty (LaBella) any Soil that wants to be Reused needs to be tested via DER-10. May take 3-5 Days. If Small quantity may be Easier to Get Rid of off Site.

1230 -	Workzone	upwind	Downwind	CO - 4	LEL-0
	0.024 mg/m3	0.014 mg/m3	0.016 mg/m3	H2S - 0	O2 - 20.9
	0ppm	0.0ppm	0.1ppm		

1235 - Auger Decon Begins

1330 -	Workzone	upwind	Downwind	CO -	LEL-
	0.194 mg/m3	0.014 mg/m3	0.016 mg/m3	H2S -	O2 -
	0.0ppm	0.0ppm	0.0ppm		

↓ There are spikes on workzone CAMP (Dust) Due to Jack Hammering.

1335 - Concrete Core Cutting begins on IW-S-09. Everything is Watered down, indicating all Dust is coming from Jack Hammering

1351 - Concrete Core Cutout / Finished for IW-S-09

1400 - Dust Level kept creeping up. A.daSilva took down another piece of plywood to Reduce / mitigate Dust levels.

- Augering of IW-S-09 begins w/ 4.25" Hollow Stem auger.

1420 - When Jack Hammering Ends, Dust Levels Drastically decrease. NOT COMING FROM AUGERING.

- Rock Environmental is Performing Jack Hammering. They are wetting the Concrete. A.daSilva Spoke to Rock Environmental. They will try to Heavily water Concrete.

1440 - Dust Level appears to Decrease

Rite in the Rain

Toxo plasmosis

IW-S-09 Soil Log

(ft) Depth	TIME	DATE	PID (ppm)	Granular Description
0-5	1435	2/3/20	2.7	Brown, VF SAND & SILT; TRACE CLAY, moist, some F-SA-SR Gravel
5-10	1500	2/3/20	0.9	Brown SILT; trace clay; trace F-VF SA-SR gravel moist.
10-15	0900	2/4/20	9.7	
15-21	~1030	2/4/20	32	

1445

Work Zone	Upwind	Downwind	CO - 0	LEL - 0
0.004 mg/m3	0.016 mg/m3	0.05 mg/m3	H2S - 0	O2 - 20.9
0 ppm	Quad PID	0 ppm		

1452 - Work Zone Dust Levels appear to be within our desired Levels of < 0.150 mg/m3

*NOTE - USEING WORK ZONE PID to Screen Soil.

1535 - Digging ends - Clean up CAMPS + WORK AREA

1600 - A. daSilva Leaves Site.

2/4/2020 34°F Cloudy A. daSilva

0630 - A. daSilva @ office (Kodak + Hours) } office Charge

0700 - A. daSilva on Site. Zero Calibrates all CAMPS (DUSTTRAKS). Sets up CAMPS By 0730

- There should be outdoor Excavation onsite today for Sewer Line. A. daSilva will send update Email to PMs

0740 - Indoor Concrete ~~Exterior~~ Adol Demolition of Stairs begins via Rock Environmental, May Cause Dust Build up. They are Wetting surfaces. Dust Levels increasing, A daSilva Removes ply wood windows on NE Corner of Building.

0800 - w/ Ply wood windows down in NE & SW Corners. Dust Levels in work zone Hang around 0.1 mg/m3

- Drillers on Site.

Workzone	Upwind	Downwind	Co - 0 ~~LEL - 0~~
0.106 mg/m3	0.043 mg/m3	0.054 mg/m3	H2S - 0 O2 - 20.9
0.0 ppm	0 ppm	0 ppm	

↳ All Soil on Site appears to be moist Due to Recent Melting of Snow. (Hamilton) Plans on using the Pre Profiled Crusher Run for Back Fill.

0810 - Augering (Continues) begins on IW-S-09, Refer to Pg. 42 for Soil log

0820 - Victor Excavation took ⓝ Excavator offsite. Prepping for onsite Excavation of Sewer Line.

0845 - Workzone PID SPIKE, Some Kind of ~~Foam~~ Sweat glue smell coming from North End of Building. NOT SOIL - May Be Roof glue

Rite in the Rain

	Upwind			
0900 Workzone	Upwind/Headland	Downwind	CO - 0	LEL - 0
0.092 mg/m3	0.032 mg/m3	0.032 mg/m3	H2S - 0	O2 - 20.9
0ppm	0ppm	0ppm		

* USED workzone PID to SCREEN Augering Soil

DELAY → GRAVEL PILE in Way of Dumpster.

0945 ↳ Still Augering → mechanical dilemma on Drill.

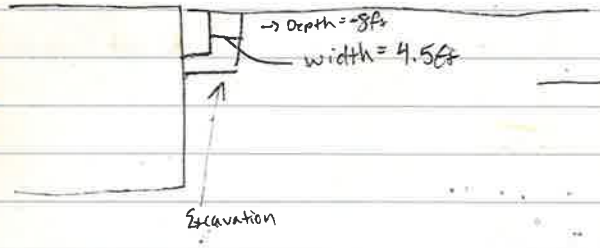
1000 work zone	upwind	Downwind	CO - 0	LEL - 0
0.093 mg/m3	0.034 mg/m3	0.030 mg/m3	H2S - 0	O2 - 20.9
0ppm	0ppm	0ppm		

1000 - Victor Excavation is Rolling Down Alley for Soil

[redacted] - Drill Rig worked on by Kevin - Won't starts.

1010 - Sewer excavation Begins From Street (Hudson) to Building - a well (1") got Pickled up

Hudson Ave



0-8 ft = 0ppm Light Brown VF Silty SAND; trace Clay; some large Flat silty Shale & F SAND Stones 0.5 - 6 inches in Diameter

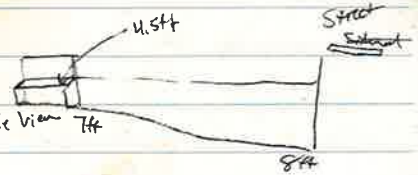
1050 - well installation Begins

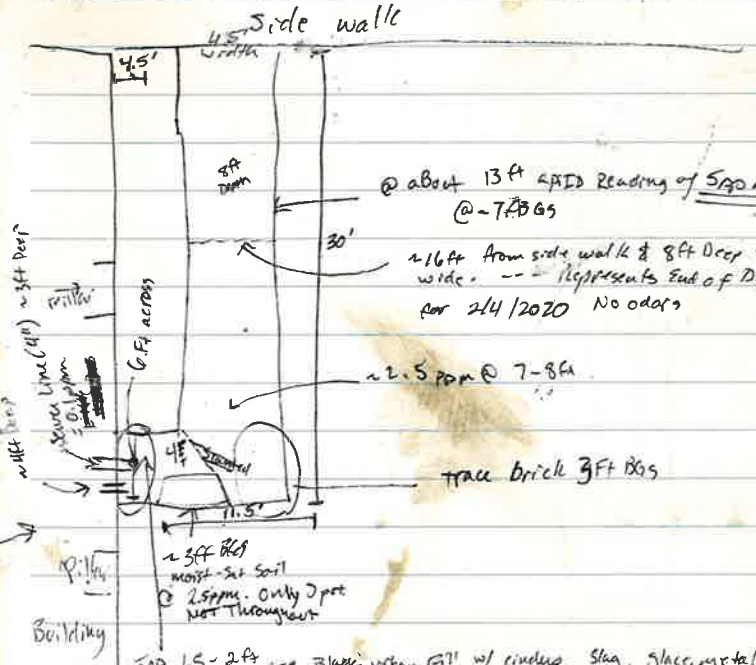
1110 - workZone	upwind	Down wind	CO - 0	LEL - 0
0.064 mg/m3	0.028 mg/m3	0.054 mg/m3	H2S - 0	O2 - 20.9
0ppm	0ppm	0ppm		

1120 - Noticable Spike in work Zone DustTRAK while Rock Enviro is Angle grinding steel mesh Stairways Adhesive Will take Down an Additional Plywood window in SW Corner.

Hudson ALE

2/4 thru 2/5





@ about 13 ft PID Reading of 5.1 ppm @ ~7ft BGS

~16ft from side walk & 8ft Deep 4.25ft wide. -- Represents End of Dig for 2/4/2020 No odors

~2.5 ppm @ 7-8ft

trace brick 3ft BGS

Top 1.5 - 2ft are Black urban Fill w/ cinders, Slag, Glass, metal, etc. TRACE Brick

↳ Soil Below 3 VF Silty Brown - light Brown SAND; trace - little clay, little VF - F Sat gravel; some Large Stones 6" - 12" diameter. No odors

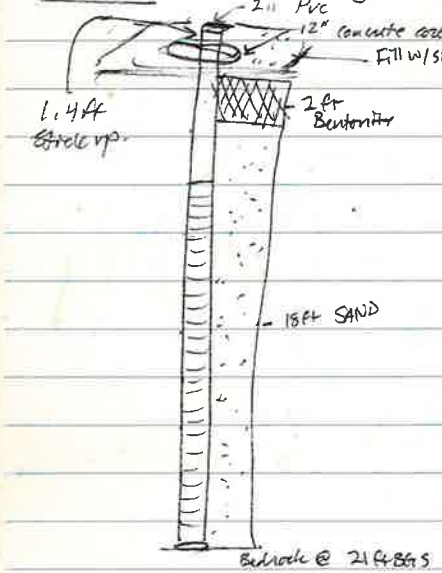
- 1-2ft Apx of P & 2° Stone surrounds Piping
- Cr #2 (crusher Run) will be used for the Rest of Backfill

Rite in the Rain.

1131 - opening other Ply wood window appeared to mitigate dust Levels.

- Excavation outside (onsite) for sewer line paused for utility supports on Sides.

IW-S-09 Well Construction Log



Bags of SAND

Bags of Bentonite 1

USED 4.25" Hollow Stem Auger

Gravel (possible 1" & 2")

1150 - Truck Load of ~~Crushed Run~~ ASG Deposited on site. ~5 yd^3

7A402 - #360 - USDOT 918319 - Riccelli Enterprises

1221 - USED Work Zone PID to Screen Soil

1225 Work Zone | Upwind | Downwind | CO-5 | LEL-0

0.041 mg/m3 | 0.029 mg/m3 | 0.030 mg/m3 | H2S-0 | O2 20.9

0.1 ppm | 0 ppm | 0 ppm

1300 - STILL NO outside (onsite) excavation. They are laying Down Pipe

1313 - Start on IW-S-10. Moved it ~1ft west to avoid footer.

1321 - ~6 yd^3 of 1" & 2" going into trench today

~17-20 yd^3 of CR2 going into " "

Estimated ~50 yd^3 of Soil Coming out in total

- End of Excavation today. Will Cover Pit w/ Poly.

1330 - Work Zone | Upwind | Downwind | CO- | LEL-

0.032 mg/m3 | 0.013 mg/m3 | 0.027 mg/m3 | H2S- | O2-

0 ppm | 0 ppm | 0 ppm

1400 - While A. de Silva was w/ Drillers inside Trucks Dropped off x2 Loads of Crushed Run

- Concrete Core ~~Extracted~~ Hyd Extracted.

1410 - Decon on 4.25" Augers Begins.

1430 - Augering on IW-S-10 Begins

Work Zone | Upwind | Downwind | CO-0 LEL-0

0.069 mg/m3 | 0.089 mg/m3 | 0.011 mg/m3 | H2S-0 | O2-20.9

0.1 ppm | 0 ppm | 0 ppm

IW-S-10 Soil Log

(ft) Depth	Time	Date	PID ppm	General Soil Description
0-5	1/5/6	2/4/20	0.3	Brown, VF silty SAND; TRACE clay; Some-Little VF SA-GR, gravel moist
5-10	1/5/15	2/4/20	6.1	" moist
10-15	1/5/0	2/5/20	0.1	"
15-21.3	1/4/0	2/5/20	15.6	" Depth of well / Bedrock: 21.3 ft

Rite in the Rain

1440 - ~~outdoor~~ A.d.l OUT DOOR (on site sewer line) Excavation Ends for the day.

- Another load of Crusher Run on Site.
- A. dasilva takes Down out Door CAMPS.

1520 - Appears as though any Dust Work zone levels above 0.150 mg/m³ Came from Rock Environmental's demolition of stairs (Angle Grinder + Concrete Breaking). Nothing can affect. Pictures are Taken.

1532 - Drilling ends - Cleaning up materials.



2/5/2020 A. dasilva 78°F Cloudy

0615 - A. dasilva Picks up Poly from LLC shops.

0650 - A. dasilva on Site & sets up one (1) work zone (Drilling indoor) CAMP and TWO (upwind & Downwind) CAMPS for on site outdoor Sewerage Excavation

0730	Workzone	upwind	Downwind	Co- 2ppm LEL-0
Background Reading	0.018 mg/m³	0.006 mg/m³	0.006 mg/m³	Hzs-0 O²-20.9
	Oppm	Oppm	Oppm	

The Doorway CAMP is USED AS UPWIND CAMP.

0745 - Victor Excavation is getting Ready to mobilize and finish Sewer Excavation on North west corner of ~~Site~~ Building. (Refer to Page 45 for on going details.

0750 - wood Saw cutting in South East Corner inside Building may Create an uptic in Dust for work zone CAMPS.

As for Now, will need to sample Soil Pile for:

- Total VOC (TCL List) → 5035 kit
- TCLP VOC
- TCLP Metals
- Reactive cyanide & Sulfide
- PH
- Flash point.

0750 - Sewer Excavation Begins. Down wind PID will Be used for Screening

915 - Drilling continues on IW-S-10

0830 - workzone	upwind	Downwind	Co. 3	LEL 0
0.063 mg/m³	0.037 mg/m³	0.004 mg/m³	Hzs-0	O²-20.9
0.3ppm	0ppm	Oppm		

Brick cutting near CAMP may Cause Dust Increase

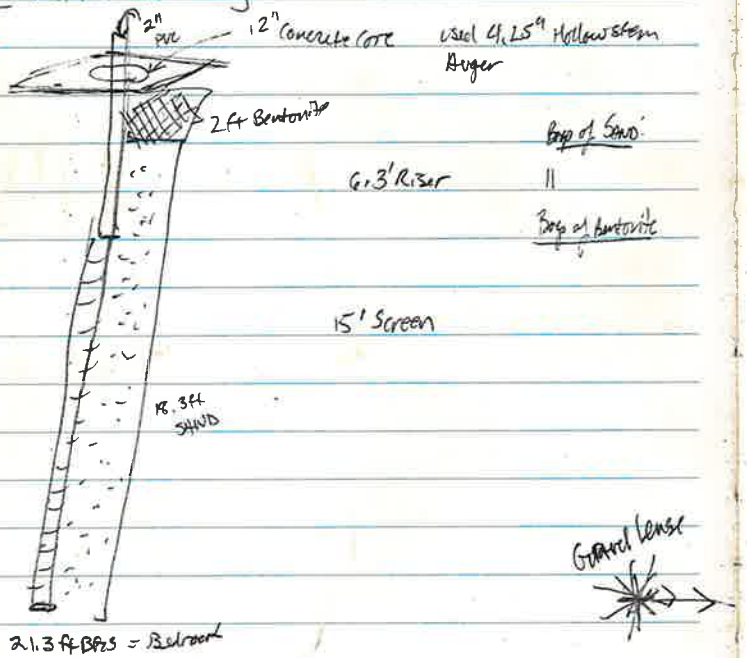
Rite in the Rain

0830 - Tower in Excavation. Victor Excavation waiting for more clay to stage soil.

0950 - Excavation Resumes.

0936 - work zone	upwind	Downwind	CO- 0	LEL- 0
0.084 mg/m3	0.018 mg/m3	0.005 mg/m3	H2S- 0	O2- 20.9
0.2 ppm	0.1 ppm	0 ppm		

IW-S-10 well installation Log



1020 work zone	Up wind	Down wind	CO- 0	LEL- 0
0.031 mg/m3	0.004 mg/m3	0.005 mg/m3	H2S- 0	O2 20.9
0 ppm	0.1 ppm	0 ppm		

1045 - IW-S-10 fully installed, 21.3ft Deep. 18.3ft SAND. 15ft Screen; 2ft Bentonite.

1122 - Drillers mobilized to IW-S-11 Location (SW corner of Building)

- Drillers Decon. 4.25 Hollow stem Augers

1130 - work zone	upwind ~~Upload~~ Ash	Downwind	CO- 0	LEL- 0
0.037 mg/m3	0.004 mg/m3	0.004 mg/m3	H2S- 0	O2- 20.9
0.1 ppm	0 ppm	0 ppm		

1140 - Concrete Coring Begins on IW-S-10

IW-S-11 Construction Begins.

1300 - After Decon of Augers ~~IW-S-11~~ Begins.

work Zone	upwind	Downwind	CO- 0	LEL- 0
0.044 mg/m3	0.004 mg/m3	0.006 mg/m3	H2S- 0	O2- 20.9
0.1 ppm	Dead PID	Dead PID		

No Digging. Still setting Pipes. PID's Placed on charger.

Soil log for IW-S-11

(ft) Depth	TIME	DATE	PID (ppm)	General Description
0-5	1320	2/5/20	6.9	Brown to light Brown VF SAND & Silt, trace Clay) some SA ~~F~~ M gravel ; MOIST
5-10	1404	2/5/20	1.6	SAA "
10-15	1430	2/5/20	NA	SAA however ~ 1ft SA-SR M gravel lense @ ~ 13-14 ft
15-21.3	15	2/5/20	46.5	SAA - No Stone / Gravel

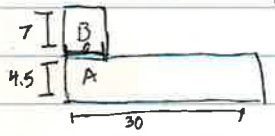
1310 - Victor Excavation has Set Pipes & is now adding 1' & 2' Stone.

1400 work zone	up wind	Downwind	Co- 3	LEL- 0
0.106 mg/m3	0.004 mg/m3	0.013 mg/m3	H2S- 0	O2- 20.9
0.3 ppm	0 ppm	0.1 ppm		

Rite in the Rain

A $30 \times 4.5 \times 8 = 1080\ ft^3$ (±) $= 1290\ ft^3$

B $7. \times 5 \times 6 = 210\ ft^3$ $\sim 47.\overline{777}\ yd^3$



1410 - Masons are taking wall down on Eastern wall. May cause SPIKE in Dust.

1500 - Confirmed Excavation has ended. AdaSite packed upwind & Downwind CAMS's up.

1533 - Grout to Bedrock @ 21.7ft BGS for IW-S-11

1545 - End of Digging / Well install @ IW-S-11. The Rest will be set tommorow.

It appears to be Spike on DustTRAK. Most likely From Electrician Sweeping Concrete dust.

1600 - Leaves Site

2/6/2020 28° SNOW A. deSilva

0700 - A. deSilva on Site. AdaSite will extract Offsite data & Zero Cal DustTRAKs & Take down appropriate Plywood windows.

Doorway/CAMP: DUST : 8530162110
upwind PID : 592-907676

Workzone : Dust: 8530153316
PID: 592-910712

Background				
0815 - workzone	Doorway	Co - 0	LEL - 0	
0.085 mg/m3	0.049 mg/m3	H2S - 0	O2 - 20.9	
0ppm	0ppm			

0850 - Drillers on Site w/ a pallet of STANDS. They unload. AdaSite Removed Radioactive Tile for Drilling

0900 - workzone	Doorway	Co - 0	LEL 0
0.070 mg/m3	0.041 mg/m3	H2S - 0	O2 - 20.9
0ppm	0ppm		

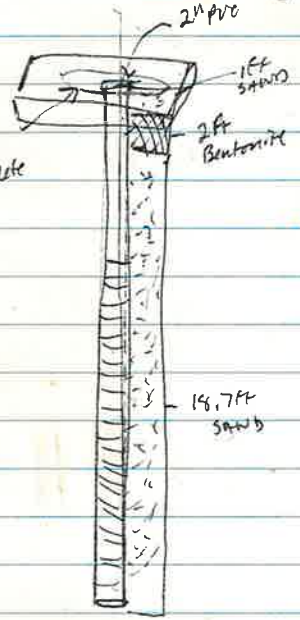
0915 - Drilling Begins.

0945 - Workzone Dust Levels Hovering Just over 0.150 mg/m3. A. deSilva opened window in SW corner to reduce Levels

1000 workzone	Doorway	Co - 0	LEL - 0
0.094 mg/m3	0.03 mg/m3	H2S - 0	O2 - 20.9
0.3 ppm	0ppm		

Rate in the Rain

IW-S-11 Well Construction Log



USED 4.25 Hollow stem Auger

Bags of SAND
12

6.7' Riser

Bags of Bent
4.5-2

15' screen

1030- City of Rochester People on Site

1100	Work Zone	Doorway	CO - 0	LEL - 0
	0.049 mg/m3	0.022 mg/m3	H2S - 0	O2 - 20.9
	0.1ppm	0.0ppm		

1105- SAW cutting/coring of Concrete on IW-S-12 & IW-D-12 Begins.

1112- Possible Spike in work zone CAMP (Dust) Due to Drilling in Drill Casing Drill Rig to Concrete)

1130- Augering/Drilling on IW-S-12 & IW-D-12 Begins.

Soil log for IW-S-12 / IW-D-12

Ft Depth	Time	Date	PID (ppm)	General soil Description
0-5	1250	2/6/20	0.3	Brown, moist f-MSAND+Silt; some clay, trace-little SA-SR Pebbles.
5-10	1430	2/6/20	1.2	SAA- "
10-15	1534	2/6/20	15.9	SAA- "
15-24.5	1011	2/7/20	45.5	SAA- Saturated @ ~18ft (Sandy)

1200	Work Zone	Doorway	CO - 0	LEL - 0
	0.091 mg/m3	0.023 mg/m3	H2S - 0	O2 - 20.9
	0.1ppm	0ppm		

1225- People are moving windows into 1st Floor, they are creating a lot of dust by moving everything around. Dust levels increase. Asbestos opens SW Plywood Window up a little (2ft) more to help Reduce Dust Levels.

1300	- Work Zone	Doorway	CO - 0	LEL - 0
	0.084 mg/m3	0.016 mg/m3	H2S - 0	O2 - 20.9
	0 ppm	0ppm		

1310 - Drillers take Break

1335 - Break Done

1400	Work Zone	Doorway	CO - 0	LEL - 0
	0.074 mg/m3	0.021 mg/m3	H2S - 0	O2 - 20.9
	0.1ppm	0ppm		

1440 - Dumped 1 Load of Soil

1500	Work Zone	Doorway	CO - 0	LEL - 0
	0.067 mg/m3	0.07 mg/m3	H2S - 0	O2 - 20.9
	0.1ppm	0ppm		

1600 - Addising Leaves Site. W/ CAMPs.

Rite in the Rain

2/7/2020 28°F Rain/Snow A. daSilva

0715 - A. daSilva on Site. Zero Cals' Daily TRACKS. Sets CAMPS up for Background Reading. One (1) Workzone CAMP & One (1) Doorway CAMP By Main Door in North East Corner of the Building.

Background

Workzone	Doorway	CO - 2	LEL - 0
0.050 mg/m3	0.021 mg/m3	H2S - 0	O2 - 20.9
0 ppm	0 ppm		

NOTE: Mason work taking place On NE wall of interior 1st Floor. MAY Cause Dust elevations throughout Day. Will NOTE IF they Do.

0800 A. daSilva opens NE Plywood window for ventilation & checks suction on vent hose = good-ok

0818 - Drilling Continues on IW-S-12 / IW-D-12

0820 - Workzone	Doorway	CO - 0	LEL - 0
0.076 mg/m3	0.012 mg/m3	H2S - 0	O2 - 20.9
0.1 ppm	0.0 ppm		

& 0935 used Workzone PID & Screen Augering Soil

Workzone	Doorway	CO - 0	LEL - 0
0.066 mg/m3	0.009 mg/m3	H2S - 0	O2 - 20.9
0.2 ppm	0 ppm		

1035 workzone	Doorway	Co. 0	LEL - 0
0.028 mg/m3	0.009 mg/m3	H2S - 0	O2 - 20.9
0 ppm	0 ppm		

1040 - Drillers Prepping to core Rock @ 21.5 Ft BGS
- Roughly 55-70 gallons Will Used.

1110 - Rock Coring Begins.

1150 workzone	Doorway	Co - 0	LEL - 0
0.044 mg/m3	0.01 mg/m3	H2S - 0	O2 - 20.9
0.2 ppm	0 ppm		

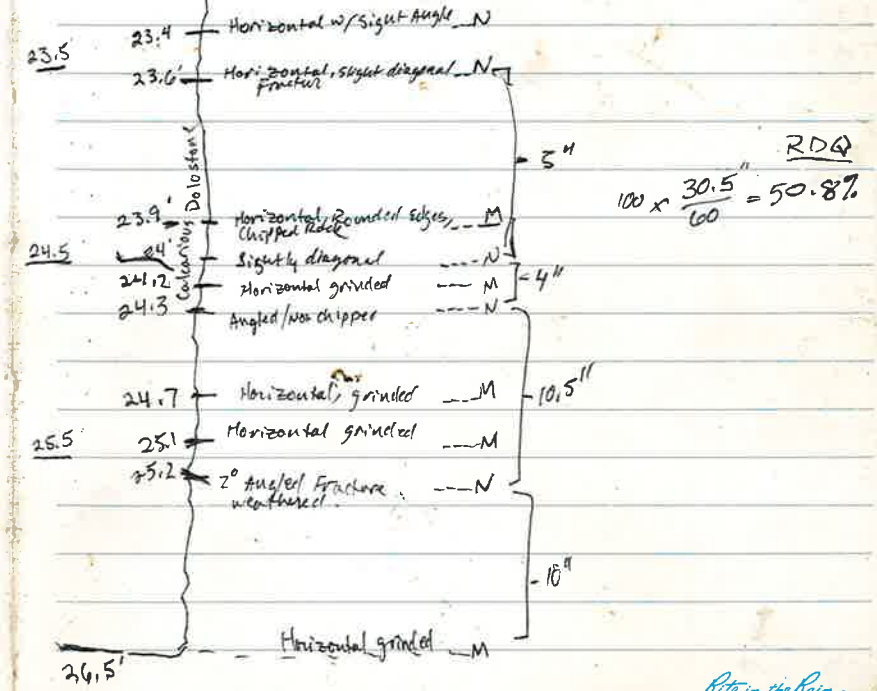
1215 - 21.5 - 26.5 Rock core Complete IW-D-12.

(RUN 1)

Recovery 5.47' = Full 5 ft RDQ = 50.8%

21.5' — = Fracture

		Mechanical (M) or Natural (N)	Highest PID ppm	Depth
21.85'	Fractured Dolostone From Drilling	M	44.6	22.5
23'	Fractured Dolostone w/ VF Brown Silty sand		5.8	23.5
23.1'	Horizontal Fracture; slight diagonal	N	0.9	24.5
		NA		25.5
		NA		26.5



Rite in the Rain

1320 Work Zone — Doorway — Co - 0 — LEL 0

0.05 mg/m3 — 0.01 mg/m3 — H2S - 0 — O2 - 20.9

0.2 ppm — 0 ppm

Drillers Pump Drill water into Drum & Clean Core Hole w/ Clean H2O (Potable).

1350.

NOTE - AMS Picked up Radioactive waste from Site @ 1250

1400 - Rock Core IW-D-12 26.5' - 31.5' Extracted (RUN 2)

		mechanical (M) or Natural (N)	Highest PID PPM	Depth
26.5'	— = Fracture			
			0ppm ~~27.15~~	27.15'
27.15'	Horizontal grinded M		0	27.9
		16.5"	0	29.41
27.5'			0	29.8
		31.75	0	31
27.9'	N		Recovery: 5.25 = 60"/60"	
	Appears to have porous Horizontal calcite seen	6"		RQD
28.41'	N		100 x 48/60 = 80%	
28.5'	Slight Angle Calcite Seen			
28.65'	N			
	~~Hor~~ Slight angle calcite seen			
29.1	M			
	Horizontal grinded	12"		
29.5'				
29.7	Angled N			
29.8	Horizontal, chipped/grinded M	5"		
30.11	M			
	Angled			
30.5'		8.5"		
30.9	Angled, Calcite Seem, Porous N			
31.15	Horizontal, grinded M			
31.5'				

0248 - Drillers add 8.5' Sand & 1.5' grout

1440 and Let Set over 24 hrs

C 1500 - Adasilva Leaves Site.

2-10-2020

1042 - Mike Meeting (0.5hr)

Need: ✓ GW meter. - Make a Logs

✓ make a log for cell

✓ Purge Wells - Make logs

- Buckets

- Caulk

✓ Battery for Pump.

- Folding table

Rite in the Rain

2/11/2020 38°F snow/clouds A-da-Si-va

0645 - Adasilva picks up Equipment From Eco

0700 - A-dasilva onsite. Zero Cal's Dust TRAKs. Sets up CAMP's. (1 Work Zone (BD+Dust) + 1 Doorway (BD+Dust))

- Adasilva Starts Logging GW Levels from Injection wells & starts Purging. → GW Level All measurements taken from North facing Toc

	GW Level(ft)	Stickup From Concrete Floor
IW-S-01	10.65	1.42
02	10.81	1.38
03	10.94	1.4
04	9.78	0.82
05	10.49	~~1.55~~ 1.58
06	10.38	1.3
07	10.79	1.65
08	10.35	0.87
09	10.96	1.22
10	11.21	1.09
11	11	1.36
IW-D-07	11.22	1.74
08	10.1	0.26
12		

0800 - Drillers onsite

0815.	Background Work Zone	Doorway	CO - 0	LEL - 0
	~~1.0~~ 0.186 mg/m3	0.150 mg/m3	H2S - 0	O2 - 20.5
	0.0ppm	0ppm		

↳ masons are mixing Concrete = Dust Adasilva will open SW Plywood window for Circulation

0822 - SPIKE in CO - Stopped machine, ~~Realized~~ a worker had unplugged fan unknowingly. Replugged vent hose. CO Drops.

0845 - After Firing Engine issue on Rig, Install of IW-S-12 begins - Rig on.

One (1) Composite from 3-~~5~~ discrete locations

- Total VOC
- TCLP VOC
- TCLP metals
- TCLP SVOCs
- Reactive cyanide + sulfide
- pH
- Flashpoint

0950	Workzone	Doorway	CO - 0	LEL - 0
	0.055 mg/m3	0.044 mg/m3	H2S - 0	O2 - 20.9
	0ppm	0ppm		

Bags Send 13

Bent 1

1020 - IW-S-12/IW-~~D~~-12 Complete

~~1~~ 1120 - Coring on Concrete for IW-S-13/IW-D-13 Begins

Rite in the Rain

1120 - Work Zone Doorway Co - 0 LEL - 0

0.034 mg/m3 0.064 mg/m3 H2S - 0 O2 - 20.9

0.1 ppm 0 ppm

1140 - Drillers are Decoming Augers + Put Ply over window Next to door Pad to ensure H2O does not Splash on them

1200 - work zone Doorway Co - 0 LEL - 0

0.054 mg/m3 0.069 mg/m3 H2S - 0 O2 - 20.7

0 ppm 0 ppm

1245 Augering on IW-S-13 / IW-D-13 Begins

1255 -

Work Zone Doorway Co - 0 LEL - 0

0.050 mg/m3 0.066 mg/m3 H2S - 0 O2 = 20.9

0.2 ppm 0 ppm

- Soil (Sewage Line Excavation) Sampled 1 composite

N ↑ File



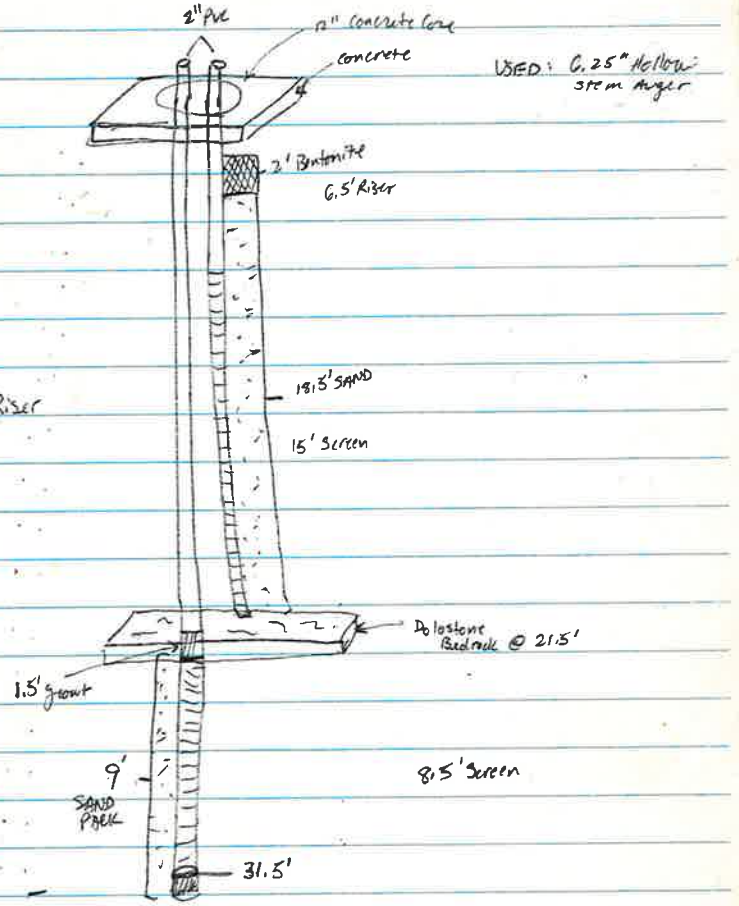
WCS-20200211-01-C - Sewer Lateral Soil

Time - 1400 Depth 6" @ ~12"

IW-S-13 Soil log

Depth (Ft)	Time	Date	PID (ppm)	General Description
0-5	1340	2/11	0.2	moist brown V.F silty SAND, TRACE clay, Some SAA F gravel
5-10	1500	2/11	0.2	" SAA
10-15	NA	2/12	NA	" SAA
15-	NA	2/12	NA	" SAA

IW-S-12 / IW-D-12 Well Construction



Rite in the Rain

1410 Workzone — Doorway — CO - 0 — LEL - 0

0.[illegible] mg/m3 — 0.056 mg/m3 — H2S - 0 — O2 - 20.9

0.1 ppm — 0 ppm

1530 - Augering Ends. Equipment Broke Up.
- A. daSilva Leaves 57c.

1645 - Samples dropped off @ Alpha Drop off Center from Sewage line Excavation.

2/12/2020 — 38°F cloudy — A. daSilva

0700 - A. daSilva on 57c. Zeros DustTRAKs. Sets up CAMS. Collects GW Data from Irrigation wells.

GW Level

IW-S-01 - 10.74 — IW-D-07 - 11.17

02 - 10.88 — 08 - 10.07

03 - 11.0 — 12 - 10.45 — 6.53 stickup

04 - 9.85

05 - 10.84 — $V = \pi r^2 h$

06 - 10.59

07 - 11.09 — $1\ ft^3$ — 0.154 gallons

08 - 10.55

09 - 11.03 — 1gallon 0.1

10 - 11.28 — $1\ ft^3 = 7.48052$ gal

11 - 11.12

12 - 8.85 — 1.1 stickup

x1 bail Dumped

0900 - Background

Workzone — Doorway — CO - 0 — LEL - 0

0.059 mg/m3 — 0.039 mg/m3 — H2S - 0 — O2 - 20.9

0 ppm — 0 ppm

* 0950 - Exceedance on Dust from concrete mixing. A. daSilva opened SSW Plywood window to vent (NOT FROM Drilling)

0955 - Dust Levels on Both CAMS are Decreasing w/ opened window
↳ after Drill was turned. Drilling begins.

0900 Workzone — Doorway — CO - 0 — LEL - 0

0.041 mg/m3 — 0.162 mg/m3 — H2S - 0 — O2 - 20.9

0 ppm — 0 ppm

Rite in the Rain

0952- Apparent Staining on Bottoms of Whale Buoy. Tubing from IW-D-C8 - 45 sets purged.

1000 - Wall zone — Doorway — CO - 0 — LEL - 0

0.037 mg/m³ — 0.079 mg/m³ — H2S - 0 — O2 20.9

0.1 ppm — 0 ppm

1145 - wall zone — Doorway — CO - 0 — LEL - 0

0.038 mg/m³ — 0.131 mg/m³ — H2S - 0 — O2 - 20.9

0.3 ppm — 0 ppm

1035 - 1110 -> Dust was flying in from South West Plywood window.
- adjusted window with tightening wing bolts
Down & Dust Levels fell
& NOT From Drilling. Drillers were on Smoke Break from 1050 - 11

1140 - Pump on Drill not working. Kevin is working on fixing it.

1200 Wall zone — Doorway — CO - 0 — LEL - 0

0.040 mg/m³ — 0.084 mg/m³ — H2S - O2 - 20.9

0 ppm — 0 ppm

1220 - Rig is fixed & Going through Bedrock Begins

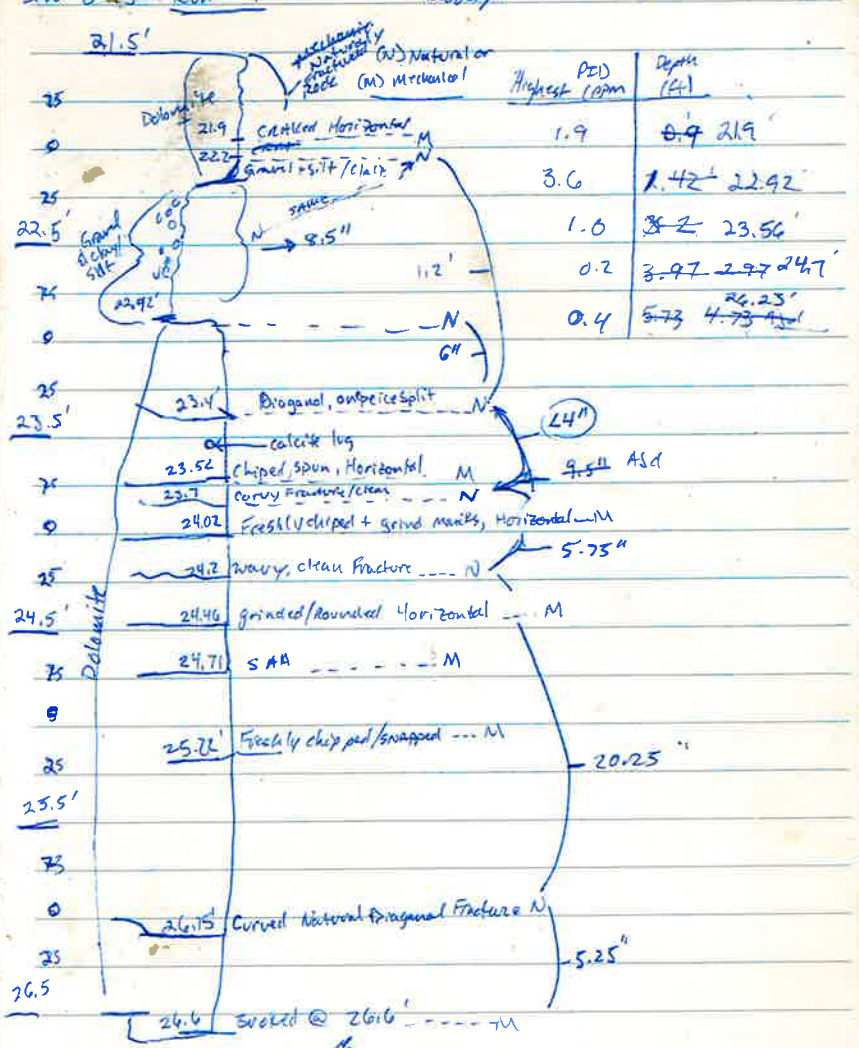
1250 - Wall zone — Doorway — CO - 0 — LEL - 0

0.052 mg/m³ — 0.084 mg/m³ — H2S - 0 — O2 - 20.9

0.1 ppm — 0.0 ppm

Depth of Bedrock for IW-S-13 / IW-D-13 = 21.5'

IW-D-13 Run #1 Recovery: 5.16' Full



	PID Highest (ppm)	Depth (ft)
	1.9	~~0.9~~ 21.9'
	3.6	~~1.42~~ 22.92'
	1.0	~~38.2~~ 23.56'
	0.2	~~3.97 2.97~~ 24.7'
	0.4	~~5.73 4.73~~ 26.23' 4.91

RDQ = 45.75/60 = 0.7625 x 100 = 76.25%

Rite in the Rain.

~~29.1~~ 28.75 ~~28.3~~

1440 Worktone — Doorway — CO-0 — LEL-0

0.026 mg/m³ — 1.066 mg/m³ — H2S-0 — O2 20.9

0.1 ppm — 0 ppm

1455 - A. deSilva covered soil/Dumpster.

1510 - RUN #2 — IW-D-13 — 26.55' - 31.57'

		M (mechanical) or N (Natural) Fracture		Highest TDD (ppm)	Depth ft Bgs
26.55'					
26.65	mechanical		4.5"	0.6	29
			0.35'		
27'	wavy/Horizontal clean	N		0.4	28.88
27.25'	clean Break when coming out of hole	M		0.4	29.45
27.56				0.3	30
			1.12'		

Recovery 60/60 Full

RQD = 4.94'/5' = 0.988 x 100 = ~~85%~~ 84.8%

28.08	wavy mechanical Break, Burmarks indicate core pressed apart w/ great force	M	
28.2	Broke		
28.35	N wavy/Horizontal Fracture	N	N => Calcite Filled, Porous Fracture
28.55			
28.53	Broke coming out of core/Horizontal	M	
			0.73'
28.9	Fractured (Pieces) Cracked Horizontal	M	
29.18'	wavy Fracture (Horizontal) connected to vertical Fractures Running 0.75" down	(N)	
29.48	Horizontal/grinded	M	0.62'
29.55			
29.8	2° Diagonal, Semi Sealed/Calcite	(N)	
29.96	wavy multifracture/Diagonal/Calcite Rich/Porous	(N)	
			1.34'
30.55	30.5 clean Break from taking out of core	(M)	
31.3	vertical (0.75") Calcite Rich Fracture	(N)	
			<4"
31.55	End of Core	M	

Dolomite

1545 - IW-D-13 installed. Pack up. Leave site @ 1600

2/13/2020 — 33°F Rain/snow — A. deSilva

0645 - A. deSilva grabs LaBella HSO for maintenance & Eco.

0700 - A. deSilva on site. Zero cal. DUSTRAKs & Sets them up.

- Sends update Email/text

0740 - masons Start mixing Concrete in Room. May increase Dust Readings.

0745 - Background check

Worktone		Doorway		CO-0	LEL-0
0.068	mg/m³	0.0684	mg/m³	H2S-0	O2 20.9
0	ppm	0	ppm		

0810 - Drillers on Site.

0845 - Augering on IW-S-13 Begins.

Worktone		Doorway		CO-0	LEL-0
0.090	mg/m³	0.048	mg/m³	H2S-0	O2 20.9
0	ppm	0	ppm		

Was an Exceedence of 0.204 from Masons prior to Drilling/setting up

0930 Possible Dust Exceedence in Worktone due to Masons Dust Traveling to our Corner via heat fan. A. deSilva opens additional ply wood windows. Saw dust also appears to fall from fresh cut holes from the floor above

* Dust levels fell after Drilling off Floor above Ended

0945

Worktone		Doorway		CO-0	H2S-0
0.066	mg/m³	0.055	mg/m³	LEL-0	O2-20.9
0	ppm	0	ppm		

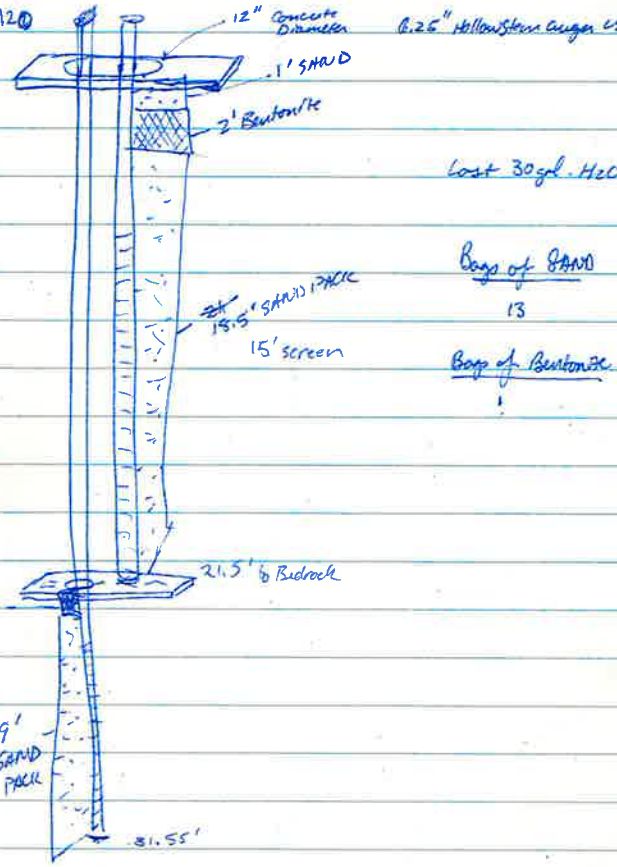
Rite in the Rain

21.5 − 7 = 14.5

Well Construction Log IW-S-13 / IW-D-13

Bedrock Depth = 21.5 Bedrock well Depth = 31.55'

Installed @ 1120



Lost 30 gal. H2O

Bags of SAND
13

Bags of Bentonite
1

1020 - Auger continues Purging H2O / developing wells now that Dust is under control.

1100 - workzone Doorway CO - 0 LEL - 0
0.101 mg/m3 0.040 mg/m3 H2S - 0 O2 - 20.7
0 ppm 0 ppm

1110 - Drillers take Break. Drillers off.

While Purging IW-D-12, GW Level Stayed @ 11.55' from TOC in IW-S-12. grout seal appears to have Sealed.

1130 Workzone PID Spike of 4.2 ppm due to Spray paint.

Well	GW Level (ft TOC)
IW-S-01	10.61
02	10.69
03	11.33
04	~~10.20~~ 9.81
05	10.26
06	10.2
07	10.61
08	10.23
09	11.42
10	11.15
11	11.17
12	11.55
IW-D-07	11.22
08	10.83
12	NA (will get Tomorrow)
13	NA (will get Tomorrow)

1203 - Coring of Concrete begins for IW-S-14/IW-D-14

Ends:

Rite in the Rain

1205 workzone Doorway CO-0 ppm LEL-0
0.071 mg/m3 0.036 mg/m3 H2S-0 ppm O2-20.9%
0.1 ppm 0 ppm

1230 - Drillers on Reconning augers -

1300 Workzone Doorway CO-20 ppm LEL-0
0.126 mg/m3 0.102 mg/m3 H2S-0 ppm O2 20.9 %
0.1 ppm 0 ppm Spike Due to Decon Pressure washer. Turned off and adjusted

1345 - Augering on IW-S-14 / IW-D-14 Begins.

IW-S-14 / IW-D-14 Soil Log

Depth (ft)	Time	PID (ppm)	Date	General Soil Description
0-5	1450	0.2	2/13/20	moist Brown VF SAND; some silt; trace clay; little SA-SR FG gravel
5-10	1030	NA	2/14/20	SAA
10-15	1322	14.6	2/14/20	SAA ~30 in Hand Augering
15-2	1	7.9	2/14/20	

PID = 275.7 ppm in Purge water

* used workzone PID to screen soil

While purging IW-D-8, IW-S-8 did not Fall in head meaning Grout has sealed. Pure Product seen in Purge H2O

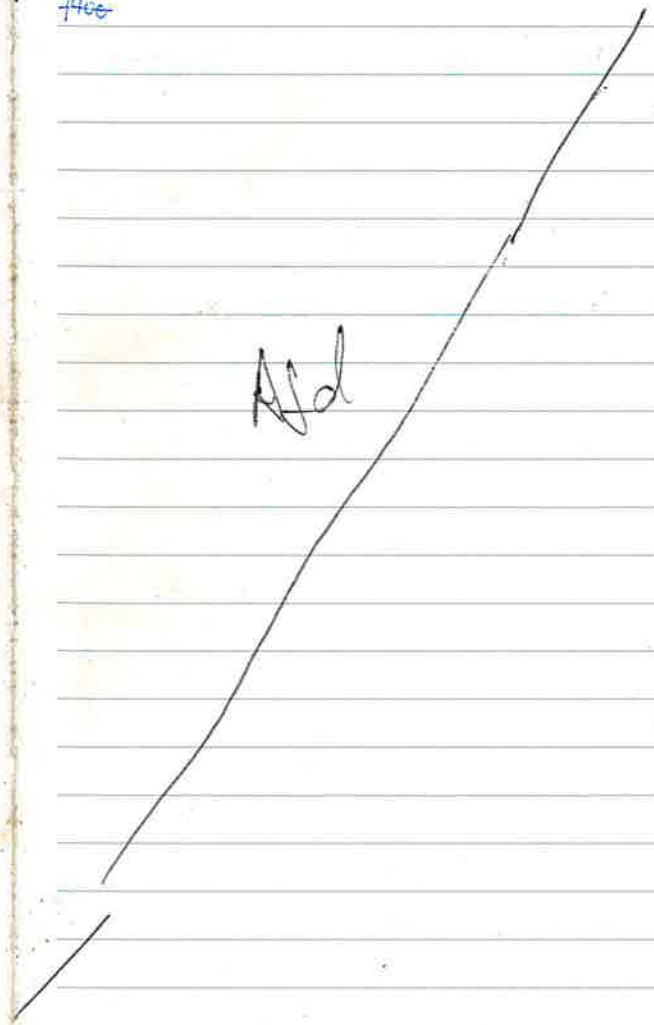
1420 workzone Doorway CO-0 ppm LEL-0
0.06 mg/m3 0.051 mg/m3 H2S-0 ppm O2-20.9 %
0.1 ppm 0 ppm

Drill Stills

1510 - Doorway Dust + PM10 was Shut Down Due to Rain Reconstruction. 20' Rain Sleeve was wetted while moving it.

1550 - Ends Drilling. Equipment is Packed up.

1400



Rite in the Rain

2/14/2026 — 1°C °F Snow — Adasilva

0630 - Dropped PID off for Service @ Eco

0645 - grabbed bailer from Office

0710 - on Site. Zero Calc. Dust TRAKs. Roads were bad. Set up CAMs.

0800-

Background workzone	Doorway	CO_2 - 0 ppm	LEL - 0
0.406 mg/m³	0.176 mg/m³	H_2S - 0 ppm	O_2 - 20.9
0.1 ppm	0 ppm		

0810 - Adasilva opens Su. Plywood was brought to help Relieve some workzone Dust. Masons Had to Close up N Central Doorway to keep Heat in. Sawing and cutting - Concrete dust are still shooting up a lot of dust. Adasilva Had them spray cut areas with Hose to increase wet cutting and decrease Dust.

0815 - Drillers start Bringing in Equipment.

0820 - Residual dust is still causing Highs.

0837 - after speaking w/ M. Pelychaty, he told me to shut Dust, He told me to place Door way outside of Doorway to get out Door Background and keep workzone where it is.

0845 - Drilling continues from Yesterday on IW-S-14

0855 - Free product is at Bottom of IW-D-8. Black, TCE smell. High viscosity compared to water.

	GW Level	Stick up
IW-S-13 :	11.35 ft	1.56
IW-S-13 :	~~7.7~~ 7.3 ft	~~1.56~~ 1.03

Pychaty on Site.

0950 - workzone Doorway CO - 0 ppm LEL - 0

0.038 mg/m³ 0.007 mg/m³ H_2S - 0 ppm O_2 - 20.9

0.1 ppm 0 ppm

1129 - Adasilva Recorded GW Levels of All Wells into Excel Sheet

1230 workzone Doorway CO - 0 ppm LEL - 0

0.28 mg/m³ 0.009 mg/m³ H_2S - 0 ppm O_2 - 20.9

0 ppm 0 ppm

1316 0.025 mg/m³ 0.009 mg/m³ CO - 0 LEL 0

0.2 ppm 0.0 ppm H_2S - 0 O_2 - 20.9

1400 0.026 mg/m³ CO - 0 LEL - 0

0.1 ppm 0 ppm H_2S - 0 O_2 - 20.9

1430 - Signal Purged from IW-D-13

End Boring @ 21.3' - Bedrock

0810 - Drilling ends.

2345 - Leaving Lacus Site.

Rite in the Rain

2/17/2020 31°F Cloudy A. daSilva

0630 - A. daSilva swaps GW Level meters @ Exec.

0645 - A. daSilva grabs maps from office to map wells

0700 - A. daSilva onSite

0710 - A. daSilva Zero Calibrates Dust TRAKs & Sets up CAMS (1 workzone + 1 by doorway). A. daSilva opens up SW Plywood window for Dust Control & Ventilation of Haz. → measured from North Side of sidekyp.

0730 - A. daSilva Records GW Levels of all injection wells.

0800 - A. daSilva Starts flushing remaining wells that need to be developed.

- A. daSilva maps out wells installed prior to Injection well installation.

0900 - Drillers arrive

0830 - Rock Coring begins on IW-D-14.

Well	GW Depth (Ft)	Well	Depth to GW
IW-S-01	~~GW Depth~~ 10.76 ft	IW-S-11	11.17
02	10.99	12	10.86
03	11.08	13	10.29
04	9.88	IW-D-07	11.24
05	10.54	05	10
06	10.49	12	10.25
07	10.89	13	11.3
08	10.48		
09	11.13		
10	11.29		

0800 - Airmar Meter stopped log for 15min Excell

	Background / Workzone	Doorway	CO - 0	LEL 0
0825	0.041 mg/m3	0.055 mg/m3	H2S - 0	O2 - 20.9
	0 ppm	0 ppm		
0900	0.057 mg/m3	0.035 mg/m3	CO - 0	LEL - 0
	0 ppm	0 ppm	H2S - 0	O2 - 20.9

~~0830 - Drilling~~ Add

0905 - IW-D-13 Screen with workzone PID = 465.9 ppm

IW-D-05 " " " = 299.8 ppm

IW-S-08 " " = 3.9 ppm

IW-S-13 " " = 10.1 ppm

IW-S-11 " " = 2.6 ppm

IW-S-10 " " =

Rite in the Rain

0900- Purged 3gal from IW-D-13

0910- DAO Not - Labelle on Site - Left @ 0945.

0950 - pensible NAPL in Core Water IW-D-14

Work Zone	Doorway	CO-C	LEL- C
0.035 mg/m3	0.028 mg/m3	H2S-C	O2- 20.7
0.1 ppm	C ppm		

1100 - Exceedance on Both CAMPS due to Framer sweeping for ~1-2minutes - Additionally may have spikes on PIDs from their Spray Paint.

1128 - A dasman opened additional Plywood windows to Vent Dust. The Contractors kept sweeping, elevating Dust Levels.

1130 - mike Pelychaty on Site. Left @ 1200. Discussed trenching + Sample of free Product.

1200 - 4gal Purged from IW-D-13 = 5 total for today

1238 - Rock Core finished IW-D-14.

- 4gal Purged IW-D-13 = 13 total + 8 = 21. Need 30.

1315 - Drillers take Lunch

1345 - Drillers are back at it.

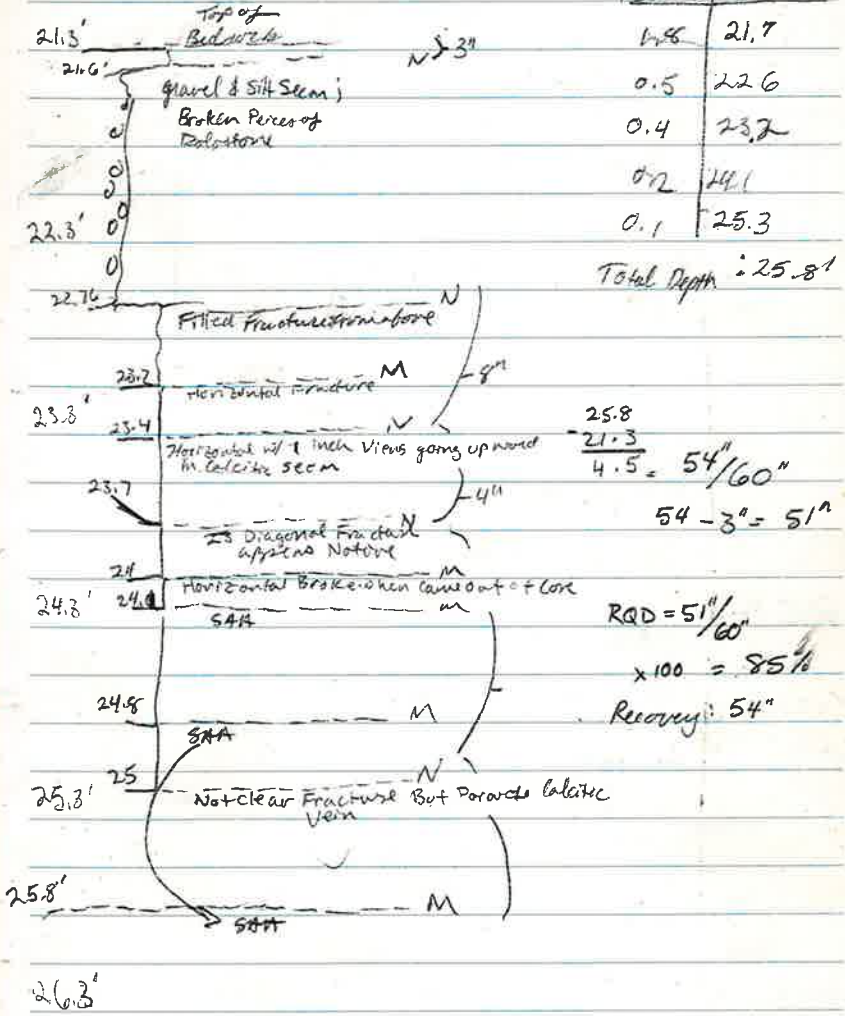
1350 - Work Zone

Work Zone	Doorway	CO- 0	LEL-0
0.042 mg/m3	0.110 mg/m3	H2S- 0	O2 20.9
0 ppm	0 ppm		

By Masons & Framers

No Exceedences from Drilling. All From Framers Sweeping or Masons opening Concrete Bags.

IW-D-14 Run #1



Rite in the Rain.

IW-D-14 RUN #2

mechanical (M) vs Natural (N) Fracture

(ppm) PID	Depth FBGS
~~25.9~~ 0.2	25.9
0.2	26.78
0.2	27.15
0.1	28.87
0	29.4
0	30.2
0.3	30.58

25.8
25.9 — Horizontal, Clean Break M
26.07 — SAA M
26.31 — slight wave, appears natural N
26.8 — SAA M
27.14 — N
Diagonal ~5° Break/Fracture

27.8
28.1 — M
Broke from falling out of Core

28.8 25.87 — N
Diagonal Fracture with Vertical 0.5" calcarious veins.
29.1 — M
Clean Horizontal Fracture
29.4 ~ 29.55 — ~~Natural~~ wavy Fracture M → Fresh Break
Horizontal

29.8
29.86 — Horizontal / Clean Break M
29.22 — Horizontal weathered Calcite filled Fracture N
30.6 — Calcite Filled Horizontal N
30.8
30.99 — N (-0.5)
Vertical 1/2" calcarious veins

30.99
- 25.8
5.19

Recovery = 60/60
RQD = 59.5/60 = 99.17%

1400 - Drilling is done for today. IW-D-14 installed
- Camps will be turned off. A. dahlia will continue Purging. Need to wait 24hrs for grout seal to harden on IW-D-14.
- AdaSilva Continues Purging until 1430.
- A dahlia leaves @ 1500



Rita in the Rain

2/18/2020 A. daSilva Snow 31°F

0630 - Office work

0710 - on site. Will Zero Calibrate Dust TRAKs & set up CAMPS.

Well ID:	GW Level ft Toc	well ID	GW Level ft Toc
IW-S-01	10.52	IW-S-11	10.99
02	10.64	12	10.69
03	10.89	13	10.09
04	9.56	IW-D-07	11.03
05	10.23	08	9.82
06	10.14	12	10.11
07	10.47	13	11.09
08	10.11		
09	10.94		
10	11.12		

0738 - Background

Work zone	Doorway	CO - 2	LEL - 0
0.114 mg/m3	0.91 mg/m3	H2S - 0	O2 - 20.9
0 ppm	0 ppm		

0810 - Drillers arrive

0837 - Rig is on

- A. daSilva Starts Purging the down wells. Look at log Excel for Details

0840 - Lid

0845 - Excedence of Dust from Noises. Our Meters Haven't even been turned on.

0845 - Adding SAND & Bent. to IW-S# 11.

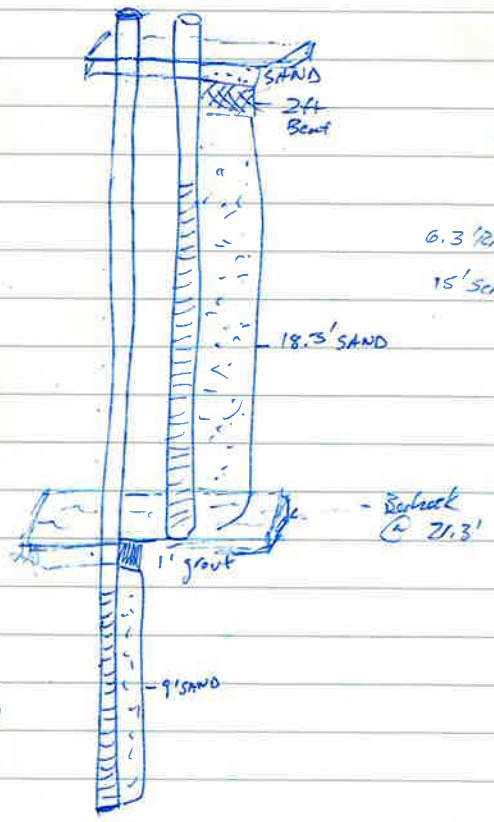
0905 - worktone Doorway CO - 0 LEL - 0

0.125 mg/m3 0.124 mg/m3 H2S - 0 O2 - 20.9

0 ppm 0 ppm

Rite in the Rain

IW-S-14 / IW-D-14



Depth = 30.99'

Bags of SAND
15

Bags of Bent.
1

6.3' Riser
15' Screen

1100 - Drillers Position Right at IW-S-15/IW-D-15.

1120 - Drillers set up Decon Pad

workzone	Doorway	CO- 4ppm	H2S 0 ppm	LEL- 0
0.08 mg/m3	0.068 mg/m3	H2S- 0	O2- 20.9	
0 ppm	0 ppm			

- Whatever the Black Substance is at Bottom of IW-D-08, appears to be viscous & lm. that sticks. Grossy Whatever substance found @ Bottom too. Slowly getting samples from that Zone w/ Peristaltic Pump w/ HDPE Tubing.

1210 - Coring on concrete of IW-S-15/IW-D-15 Begins

Ends - 1218

IW-S-15 / IW-D-15 Soil Characterization

Date	Time	PID PPm	Depth	General Soil characteristics
2/18	1405	0.2	0-5	Brown moist - VF silty SAND; TRACE CLAY; some SA-SR F-Vfg gravel
2/19	0920	0.9	5-10	"
2/19	1015	NA 151.9 ppb	10-15	"
2/19	1113	151.9	15-19.5	"

151.9 → stuck PID Dawn open auger @ 19.5'

* USED workzone PID TO screen soil

1330 - Workzone

	Doorway	CO- 0		LEL- 0
0.030 mg/m3	0.042 mg/m3	H2S- 0	O2- 20.9	
0.1 ppm	0.0 ppm			

1545 - Drill END

1600 - Mobilize to next site

Rite in the Rain.

2/19/2020 33°F cloudy A. daSilva

0645 - on site (A. daSilva)

0730 - Zero calibrated Dust TRAKs. Set up Canvas for Background Readings.

0800 - Drillers arrive. Blocked out By semi truck unloading.

0825 - Drilling/Augering on IW-S-15/IW-D-15 Continues.

Well ID	GW Depth TOC Ft BGS	Well ID	GW Depth FBGS (TOC)	
IW-S-01	10.53	IW-S-09	11.05	
02	10.65	10	11.26	
03	10.97	11	11.11	
04	9.62	12	10.78	
05	10.41	13	10.22	Stick up 1.42
06	10.32	14	9.12	
07	10.73	IW-D-07	11.06	
08	10.34	08	9.9	
		12	10.22	
		13	11.2	
		14	9.12 10.98	1.54

- A. daSilva starts purging GW from IW-D-07

0830 - Dave Engert (LaBella LLC) on site to scout TRENCHing

0850 - ~~Hotte~~ Hxl Background Point to work

Work Zone	Doorway	CO - C	LEL - 0
0.133 mg/m3	0.071 mg/m3	H2S - C	O2 20.9
0 ppm	0 ppm		

0820 - Dumped Soil

0915 - Work Zone | Doorway | CO - 0 | LEL - 0

0.150 mg/m3	0.058 mg/m3	H2S - 0	O2 20.9
0 ppm	0 ppm		

0915 - Note: High Dust Levels due to masons mixing Concrete.

0920 - Soil Characterization of IW-S-15 on Page 85.

1020 - Work Zone | Doorway | CO - 3ppm | LEL-0

0.282 mg/m3	0.190 mg/m3	H2S - 0	O2 - 20.9
0.1 ppm	0.0 ppm		

Dust When moving DustTRAK Closer to opened window. Dust goes up. Possible Dust is Coming in from window workers putting windows in.

- Update - Dust is Being Caused By masons Cutting Bricks + Concrete in old Elevator shaft.

* USED Workzone PID TO Screen Soil

1100 - Workzone | Doorway | CO - 0 | LEL-0

3.049 mg/m3	0.027 mg/m3	H2S - 0	O2 - 20.9
0.1 ppm	0 ppm		

1112 - Stuck PID Down open auger hole at 19.5' (Bedrock Depth)

↳ PID Read 300.9 ppm. Very Hot.

↳ Drillers are stepping to Drill Rock

* IW-D-14 DOES NOT RECHARGE Quickly

1130 - Drillers TAILGate Break

1145 - Drillers are Back to it. Working on Coring Rock.

- Rig is currently off
- Rig is Back on & Going

1220 Work Zone | Doorway | CO - 0 | LEL-0

0.046 mg/m3	0.014 mg/m3	H2S - 0	O2 20.9
0.4 ppm	0 ppm		

1324 0.182 mg/m3 | 0.070 mg/m3 | CO - 0 | LEL-0

0.4 ppm	0 ppm	H2S-0	O2 20.9 Rate in the Rain

IW-D-15 Run #1 Time: ~~1340~~ Adel 1330

Mechanical (M) or Natural (N)

Depth (ft)	Highest PID (ppm)
20	10
21.2	186.8
20.75	7.8
22.3	8.1
23	10.7
23.82	1.9
20.9	582.2

19.5'

20' — Dolomite

~40° Diagonal Dolomite on top of Silty VF Brown SAND AND SA F-C Dolomite Pieces

20.75' — Silty SAND + Gravel

582.2 ppm @ 20.9'

21.2

21.5' — ~40° Diagonal Break of SAND + Gravel to Dolomite

RQD

21.8'

SAA

Silty SAND + Gravel

35.5 ppm @ 22 ft

22.35'

22.5' — SAA

22.6' — Horizontal, clean - visible Core Bit Marks

Dolomite

23' — SAA - Chips

23.22' — Horizontal, Chips, Clean Break

23.5' 23.45' — Horizontal, weathered, some signs of calcite growth

23.82'

23.9' — SAA, But slight ~10° Diagonal Break

End of Run (M)

Below 1' grout seal

Recovery: 4.4/5'

RQD: 52.5/60 x100 = 88%

24.5' * Possible compression of Silt / Gravel layers decreased recovery.

IW-D-15 Run #2 Time: ~~1430~~ 1500 Adel

Mechanical (M) or Natural (N) Fracture	PID ppm	Depth (ft)
	0.3	24.32
	0.3	24.9
	0.3	26
	0.4	27.55
	0.4	28.3

23.9'

4.15

24.3

24.32' — Horizontal clean — M

24.5' — Horizontal, chipped — M

24.9' 24.9' — 1° Diagonal — N

25.65' — wavy — N

Recovery 5/5'

25.9'

26'

RQD - 100%

Dolomite

26.58' — Calcarious seem - Possibly Broke from Existing core — N

26.9' 26.7' — Broken From Core — M

27.55' — Chipped & Horizontal — M

27.9' 27.85' — 1° Diagonal, Calcite Seem — N

28.32' — Press chipped Horizontal — M

28.7' — 1/2" Calcite Seem w/ 1/2" Vertical Fractures — N

28.9' — END of Core

1544 - Drilling Ends

1600 - Adasilva Leaves Site

29.9'

Rite in the Rain.

1430 - Workzone | Doorway | Co - 0 | LEL - 0

0.052 mg/m3 | 0.026 mg/m3 | H2S - 0 | O2 - 20.9

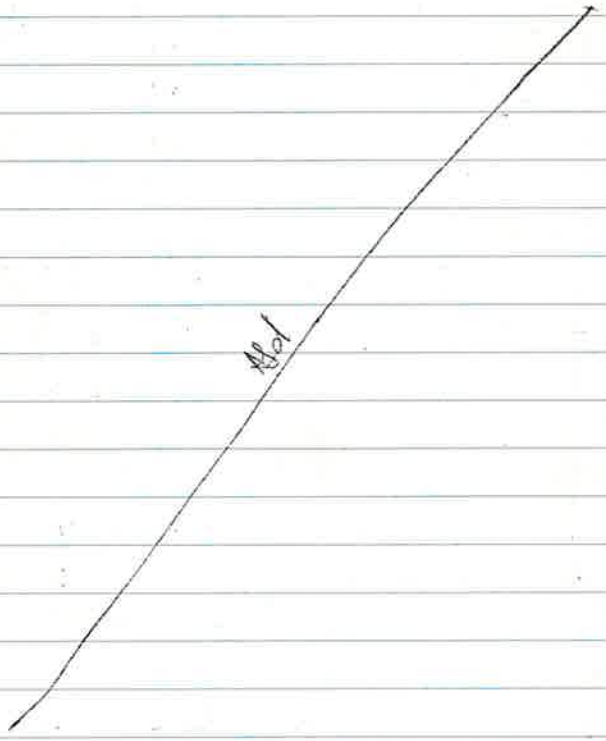
0.1 ppm | 0 ppm

20.5

1530 - Drilling Ends. ~~Drillers~~ Ajd

~~1545~~ Ajd * All screening Performed w/ Workzone PID.

1600 - Drillers leave site & A. deSilva leaves site



2/20/2020 20°F SNOW A. deSilva

0645 - A. deSilva on Site

0730 - A. deSilva Zero Calibrates Dust Trak & Sets up Camera.

0800 - Drillers arrive

0825 - IW-S-15 installation Begins after Dumping Soil & moving SAND mound

0700

ID	GW Level (ft)	ID	GW Level (ft)
IW-S-01	10.54	IW-S-11	11.06
02	10.67	12	10.73
03	10.95	13	10.14
04	9.63	14	10.42
05	10.35	IW-D-07	11.04
06	10.23	08	9.85
07	10.64	12	10.19
08	10.32	13	11.28
09	11.01	14	11
10	11.22		

0755 - Background Workzone | Doorway | Co - 0 | LEL - 0

0.256 mg/m3 | 0.155 mg/m3 | H2S - 0 | O2 - 20.9

0 ppm | 0 ppm

0800 - Purging of IW-D-14 Continues.

Exceedences due to Masons Sweeping. Drillers are not Even on Site. A. deSilva opened North Central Doorway & SW Plywood window to Help Vent Some Dust.

0900 - Workzone | Doorway | Co - 0 | LEL - 0

0.039 mg/m3 | 0.047 mg/m3 | H2S - 0 | O2 - 20.9

0 ppm | 0 ppm

10x15'

Rite in the Rain

0900 - Mike Pellychaty onsite (LaBella) to go over Placement of treatment Chemicals

IW-D-07 RUN #1

Depth (ft)	PID (ppm)	Natural (N) or Mechanical (M) Fracture
Surface of Bedrock	0.3	
21.1	0.3	N
22.8	0.3	
23.95	0.4	
25.2	0.5	

20.5 — Bedrock

21.1 — N — Fracture filled with Brown 5.7% SAND & Dolomite SAA F-C Chips

21.5 — Big Rock Dolomite & SAND

22.5

22.8 — N

23.1 — Horizontal Grinded M

23.35 — Wavy Horizontal N

23.5

23.6 — Chipped Horizontal M — Clean Break

23.95 — Horizontal clem M

24.05 — Horizontal clem M

Dolomite

24.5 — 24.4 — Diagonal 45° — N

24.8 — Calcite seam, Horizontal N

25.5 — 25.2 — END - Chipped Horizontal M

END of RUN #1

Recovery: 56.5" / 60"

From A. Brett 1/29/2020

RQD: 58.75%

IW-D-07 Run #2 (N) Natural or Mechanical (M) Fracture

Depth (ft)	PID (ppm)
25.6	0.3
26.7	0.4
27	0.2
28.32	0.5
29.6	0.7

25.2

25.6 — N — Calcite Filled Fracture

25.8 — M — Plush Break From Drilling Core

26.2 — 26 — M — Horizontal Grinded Seam

26.3 — M

28.5 — SAA — M

SAA

26.7 — M

26.9 — SAA — M

27.2 — 27 — SAA — N — Diagonal Calcite Rich Seam/Fracture

Dolomite

27.45 — SAA — M

28.2 — 28.15 — SAA — M

28.32 — SAA — M

A. Brett 1/29/20

Recovery: 58.75" / 60"

RQD: 88.25%

29.2 — 29.1 — SAA — M

29.3 — Wavy, Calcite Filled

29.6 — SAA — M

29.8 — N — Diagonal Calcite Rich Fracture

30.2 — 30.1 — END

1010 - Work zone: 0.054 mg/m3, 0 ppm

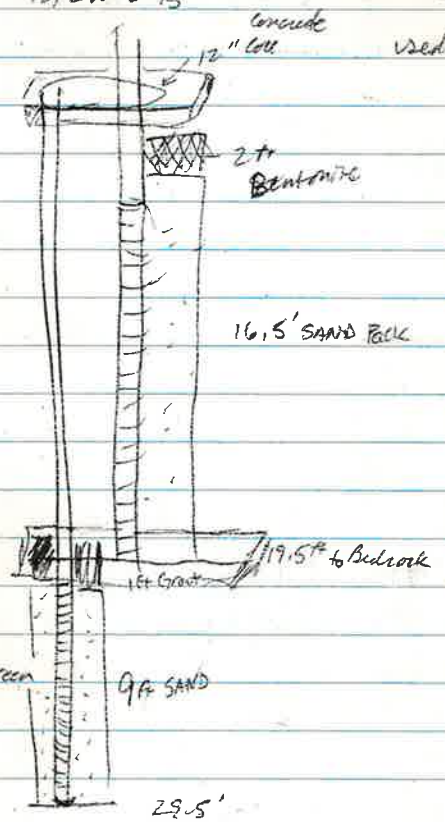
Doorway: 0.027 mg/m3, 0 ppm

CO - 2 LEL - 0

H2S - 0 O2 - 20.9

Rite in the Rain.

IW-D-15/IW-S-15 19.5 - 28.9/29.5



Used 6.25" Hollowstem Auger

SAND
15 Bags

Bentonite
1 Bag

Installed @ 1100. Drillers take Lunch.

1120 Workzone Doorway CO - 4ppm LEL - 0

0.014 mg/m3 0.007 mg/m3 H2S - 0 O2 20.9

0 ppm 0 ppm

1130 - Drillers moving Rig to (IW-S-16/IW-D-16)

1230 - Concrete Coring for IW-S-16/IW-D-16 Finished

1245 - Augering on IW-S-16/IW-D-16 Starts

IW-S-16 Soil log

Depth	Time	Date	PID (ppm)	General Soil Description
0-5	1432	2/20	2.8	Brown Dense moist, City of SAND; some Gravel SA-GR Fgravel; Trace Clay
5-10	↓ NA	2/20	NA	" ↓ NA
10-15		2/20	↓	
15-21	1005	2/21	0.4	

SWA - Sample from added water

1400 Workzone Doorway CO - 0 LEL - 0

0.113 mg/m3 0.050 mg/m3 H2S - 0 O2 20.9

0.3 ppm 0 ppm

1410 - Masonson Reforming a lot of Concrete cuts. May influence Dust. Drillers Have everything wetted down / Cleaned / Decon'd. Throughout this time A. daddow is Augering wells.

1440 - workzone Doorway CO - 0 H2S - 0

0.107 mg/m3 0.060 mg/m3 LEL - 0 O2 - 20.9

0.1 ppm 0 ppm

↳ Whole pump Motor is Broken. A. daddow Bail / Purges wells.

1451 - NOTE! Dust levels are High from Masons Cutting Concrete & Brick ~0.240 mg/m3. Not From Drilling.

All soil is wet & Rig is Clean.

1500 - The masons have Hoses / Vacuums to Jack Hammers -

↳ Dust Levels not Decreasing

Rite in the Rain

1510- A. deSilva confirmed 3 wells are still on Basement.

1511- Any Dust is coming from masons. Driller kep wetting auger & said No Dust from Drilling.

1520 - Masons are shoveling Debris

1525 - Masons appear to be finished. Dust may settle.

1528 - Dust is settling after Masons finish for the Day.

1545 - A. deSilva asked CATERARY (Masons) foreman if we can use their fork lift to Haul in Drums the Next week. He said Yes as long as it's still on Site.

1600 - A. deSilva leaves site after Closing plywood doors & windows.

* Moving Forward Doorway CAMP will Be Placed outside of North wall Ramp Door for Background Readings

2/21/20 15°F Cloudy A. deSilva

0645 - A. deSilva arrives on Site.

0700 - A. deSilva Zero Calibrates DustTRAKs & sets up CAMPS. (1 workzone + 1 outside North Doorway.) Masons will be working in the Same room meaning they may create dust throughout the days. CAMPS Started at 0750

0800 - Drillers arrive on site

0820 - Drilling Begins (Augering)

0818 - Background Workzone 0.313 mg/m³ Doorway 0.018 mg/m³ Pictures taken

* Caused by Masons dropping Debris from Ceiling Not Drillers

Co-0 LEL-0 H2S-0 O2-20.7

0700 - 0 ppm 0 ppm Stick up

ID	Gw level (ft TOC)	ID	Gw level (ft TOC)	Stick up ft
IW-S-01	10.62	IW-S-11	11.09	
02	10.74	12	10.78	
03	11.01	13	10.19	
04	9.71	14	10.57	
05	10.41	15	5.9	full
06	10.34	IW-D-07	11.14	
07	10.73	08	9.92	
08	10.37	12	10.24	
09	11.05	13	11.06	
10	11.22	14	11.06	
		15	10.91	1.9

0745 - A. deSilva opens Ply wood window (SW corner) to vent Mason Dust.

Rite in the Rain

0845 - work zone Doorway CO-0 LEL-0
0.062 mg/m3 0.054 mg/m3 H2S-0 O2-20.9
0 ppm Dead ppm
↗ Brought in to Recharge
The Cold Killed Battery ~ 1.5hr

0900 - Purging of wells Begins after Collection of Ground Water (GW) Levels from Each well. IW-D-14 is Completed.

0940 - A-daddio attempted to bail Free Product from IW-D-08. All Black product stuck on Bailer Purged 4.5gal or tubing. Unable to Purge water but Not Product. Kept Sticking to bailer. Pictures taken. Spoke w/ M. Polydoty about it to Relay to DEC.

1000 - work zone Doorway CO-0 H2S-0
0.026 mg/m3 0.04 mg/m3 LEL-0 O2-20.9
0.1 ppm 0 ppm

1005 - Depth of Electrode at IW-S-16 = 21ft

1030 - Drillers take 10 min Smoke Break. Back at Drilling Rock Cored @ 1040.

- Note: Dust Has gone Down Since masons started plastering / Stacking Bricks vs. Demoing Bricks

1115 - work zone Doorway CO-0 LEL-0
0.084 mg/m3 0.043 mg/m3 H2S-0 O2-20.9
0 ppm 0 ppm

1125 - Spike of work zone Dust From Masons saw cutting ~1mm Cinder Blocks w/o H2O. They will USE water to keep everything wet. NOT From Rock Coring - All Equipment for Coring is wetted because otherwise the Bit would wear out. Pictures Taken.

1135 - Water Pumps Ran out of water, Concrete Cutter Ran out. Created dust ~ 5 sec, Enough to Show visible dust in whole room. Picture taken. DUST NOT from Drilling.

1240 - work zone Doorway CO-0 LEL-0
0.033 mg/m3 0.025 mg/m3 H2S-0 O2-20.9
0.1 ppm 0 ppm

1430 work zone Doorway CO-0 LEL-0
0.115 mg/m3 0.016 mg/m3 H2S 0 O2-20.9
0 ppm 0 ppm

↳ Drillers are cleaning up AREA around IW-D-16 after install. Used 7.5' Screen due to Collapse of sand in hole to 30' vs. 31'

1445 - Drilling Ends. A-daddio takes down Camps.

1515 - A-daddio Closes plywood windows & covers Soil Rolloff & leaves for Eco.

1545 - A-daddio Leaves Site.

Rate in the Rain

IW-D-16 Run#1 Time: 1200

mechanical (M) or Natural (N) Fracture	Top PID (PPM)	Depth (Ft)
21' Top of Bedrock / Dolomite — N	80.6	21.5
VF Silty SAND & Dolomite gravel (M-C)	16	22.58
SA-A	5.1	23.4
22'	0.7	24.05
Silty SAND & Dolomite Chips	0.3	24.7

22.58 — Horizontal — N
22.8 — Pore vein in Rock (N) — -4.8
23' 23.05 — Horizontal grinded (M) — 51.36/60
Recovery:
23.4 — Diagonal Fracture (N) — RQD: 92%
Dolomite
23.8 — (M)
24' 23.95 — Horizontal Chipped (M)
24.05 — Porous Calcarious vein (N) (-0.1)
Wavy, Calcarious vein (-0.3)
24.35 — Wavy Porous Fracture vein N
24.7 — Broken Chipped Diagonal (M)
25'
End at 25.28'
↳ Soil Compressed. Core went down 5'.
26'

IW-D-16 Run #2 Time: 1310

M or N	Top PID (PPM)	Depth ft
26' — M	0.6	26.15
26.15 — Wavy Fracture — N	0.2	26.9
26.42 — Horizontal, grind Powder — M	0.2	28.1
	0.2	28.6
27' 26.9 — SHA — M calcite	0.1	30.78
27.1 — Wavy, well fitting, Vug Below it ~1" wide — N		
27.42 — SHA — M		

Recovery: 60/60
RQD: 100%

28'
Dolomite
28.4 — grind Powder Between. Scrape marks onsides — M
29' 28.9 — Horizontal, Appears to have Broke During Core — M
29.3 — 1/2" Calcite Porous Seam — N
29.6 — Chipped Clean Break — M
30' 29.95 — Wavy Perfect Fit Fracture — N
30.35 — Clean Horizontal Break — M
30.48 — 1/2" Calcite Seam w/ 1/2" vertical Fractures — N
31' 30.8 — Chips, Rock Flour/Grinded — M
31.02 — End of Core @ 31.02' — M

7.5' of Screen due to collapsed SAND in Hole
Reducing depth to 30' instead of 31'

1545 - Addistra leaves site

Rite in the Rain.

2/24/2020 WNW From South 42° clear skies A-dalSite

0645 - A-daSite on Site

0 - A-daSite Zone calibrates dust trackes & Set up Camps (One (1) workzone - inside & one (1) North Doorway by Ramps, Just outside of building.) Pictures taken.

0800 - Drillers arrive on site and unload sand/Bentonite until 0850

0850 - Installation of IW-S-16 Begins.

0715 - A-daSite takes Gw Level Readings.

ID	Gw Level ft toc	ID	Gw level ft toc
IW-S-01	10.64	IW-S-13	10.20
02	10.73	14	10.51
03	11.02	15	8.57
04	9.87	IW-D-07	11.15
05	10.34	08	9.93
06	10.28	12	10.23
07	10.65	13	11.39
08	10.32	14	11.08
09	11.02	15	11.16
10	11.23		
11	11.11		
12	10.75		

0750 - Purging of Wells continues.

-Background

Workzone	Doorway	CO - 0	H2S - 0
0.048 mg/m3	0.037 mg/m3	LEL-0	O2 20.9
0ppm	0ppm		

0850 - Workzone Doorway CO - 0 H2S - 0

0.062 mg/m3	0.023 mg/m3	LEL-0	O2 20.9
0.0 ppm	0.0 ppm		

↳ Mixing of mixing Concrete may cause dust exedances

1012 workzone Doorway

0.085 mg/m3	0.039 mg/m3	CO - 0	H2S 0
0 ppm	0 ppm	LEL-0	O2 20.9

↳ South central mixers install may help w/dust.

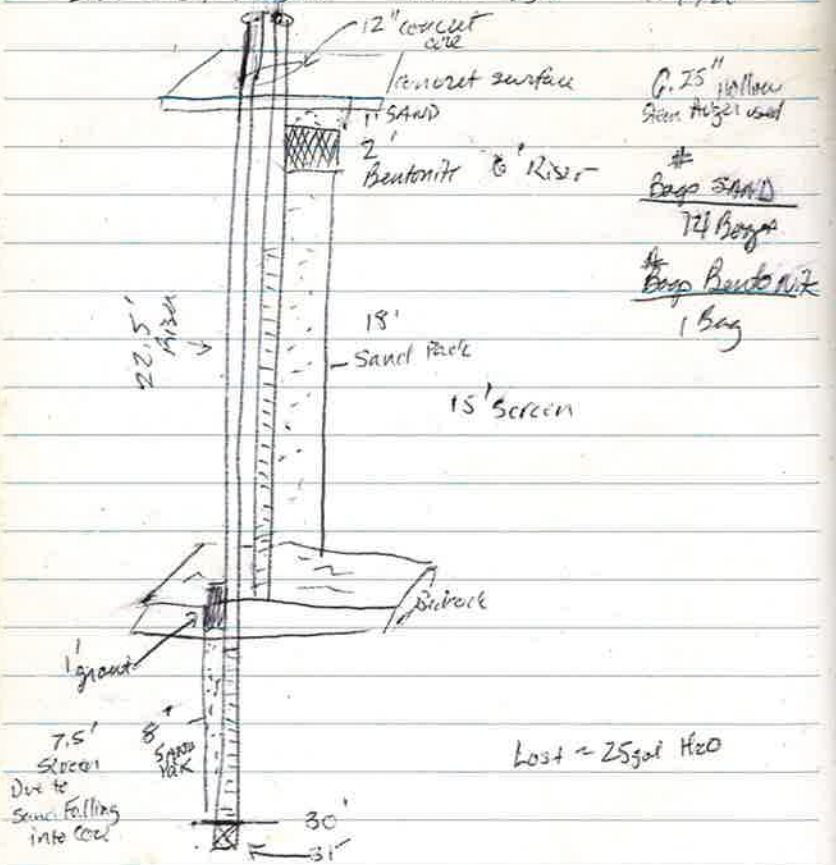
Pictures taken 21' 31'.02

1050 - Installation of IW-S-16/IW-DK Completed.

Drawing on Pg 104.

Rite in the Rain

IW-S-16 / IW-D-16 Time: 1050 2/24/20



0.25" Hollow Stem Auger used

Bags SAND
74 Bags

Bags Bentonite
1 Bag

Lost ~ 25gal H2O

1105- Workzone | Doorway | CO-0 | H2S-0
0.050 mg/m3 | 0.029 mg/m3 | LEL-0 | O2-20.9
0 ppm | 0 ppm

1113- Masons Mixing Concrete. Increased workzone Dust levels. Drillers are just moving Rig & NOT Generating Dust. NOT FROM DRILLING

1120- Drillers in Place at IW-S-17. Pictures taken

1151- workzone | Doorway | CO-0 | LEL-0
0.051 mg/m3 | 0.022 mg/m3 | H2S-0 | O2-20.9
0.1 ppm | 0 ppm

1210 - 1 Bucket Full of Soil Dumped in Rolloff

1240- Augering began on IW-S-17

1248- Saint the Central Windows Getting installed. (Pictures Taken) may increase or decrease Dust levels

1250- workzone | Doorway | CO-0 | LEL-0
0.141 mg/m3 | 0.031 mg/m3 | H2S-0 | O2-20.9
0 ppm | 0 ppm

1240- A. deSilva has been Purging IW-S-15; IW-D-15; IW-D-03; Product to Sample. (Purge to Product at Bailer. Try to accumulate → Often to Purge Each Start; Water Pump)

IW-S-17 Soil Characteristics

Depth	Date	Time	PID (ppm)	General Characteristics
0-5	2/25	0900	0.1	Brown Moist VF Silty SAND; trace Clay; some F-M SR-SA Gravel; Moist
5-10	2/25	0934	0.2	SAA But Soupy Grow Drill water
10-15	2/25	1000	58.6	SAA Just Moist
15-21	2/25	1103	14.8	SAA

1350 workzone | Doorway | CO-0 | LEL-0
0.057 mg/m3 | 0.033 mg/m3 | H2S-0 | O2-20.9
0.1 ppm | 0 ppm

There was an Exceedance of 0.176 Cement Bag Window installed Then Clear

1350 - Hit some kind of Concrete. Drillers investigating

Rita in the Rain

if it is a footer or just a Block of Fill.
Kevin (Driller) will Try for a few more minutes to see if its Just a Thin Peice of Concrete or Not.
~~If~~ The drill is against Basement wall Similar Position as IW-S-06 (which did not encounter footer) But more South ~ 20 ft.

1423 - Determined it was a possible Footer or somehow Connected to the Western Basement wall. Moving location 1ft North & 1ft West. Depth obtained to Concrete ~ 37". 1st, Drillers will clean off auger & then start coring.
The Hole will be filled w/ grout Portland Type # 5 capped w/ Concrete.

1450 - Concrete Saw cutting & thinning in the Basement appears to have heightened Dust levels (work zone).
Our Rig is NOT on at this time :: WE ARE NOT CREATING DUST.

1450 - Drillers are wet Coring Concrete Hole for IW-S-17.

1450 - Work zone	Doorway	C_0 - 0	H_2S - 0
0.113 mg/m³	0.021 mg/m³	LEL - 0	O_2 - 20.9
0.1 ppm	0 ppm		

1500 - Augering Begins on New Hole for IW-S-17
1550 - Drilling Ends for Day. Hit Concrete again
1600 - A. deSilva Leaves Site

2/25/2020 Rain 38°F A. deSilva

0630 - A. deSilva at office for Hours / Expense Rpt.
0645 - A. deSilva on Site.
705 - A. deSilva Pre-Calibrate Dust Trak & Sets up CAMPS. CAMPS on for Background @ 715
710 - A. deSilva collects GW Levels.

ID	GW Level (ft)	ID	GW Level (ft)	Stick Up
IW-S-01	10.53	IW-S-13	10.2	
02	10.62	14	10.59	
03	11.01	15	10.83	
04	9.63	16	9.91	1.6
05	10.33	IW-D-07	11.14	
06	10.28	08	7.58	
07	10.69	12	10.23	
08	10.34	13	11.37	
09	11.01	14	11.08	
10	11.25	15	11.57	
11	11.08	16	10.1	1.56
12	10.74			

0810 - Drillers on Site
0815 - Drilling on IW-S-17 Continues. Augering through Concrete Block ~ 37" below surface.

0800 Background

Work zone	Doorway	C_0 - 0	LEL 0
0.151	0.120 mg/m³	H_2S - 0	O_2 - 20.9%
0 ppm	0 ppm		

↳ Background is High from nearby existing Concrete and previous / Electricians → Rite in the Rain

→ Coring Holes in Ceiling above. Pictures taken. to Help Reduce Dust Levels indoors. SW Plywood Window was opened. Pictures taken.

0820 - Purging on IW-D-15 continues.

0835 - IW-D-15 fully Developed well
- Moving to IW-S-16. Very mucky after 3 Borehole Purge. Will Continue to Purge until Semi Clear

0850 - Nathaniel (Driller) had to move truck. Pause in Drilling. Resumed Drilling @ 858.

0900 - Workzone Doorway Co-0 LEL-0
0.128 mg/m3 0.017 mg/m3 H2S-0 O2-20.9
0 ppm 0 ppm

↳ NOTE: Workzone PID used to Screen Soil. Soil Characterization of IW-S-17 on Page 105.

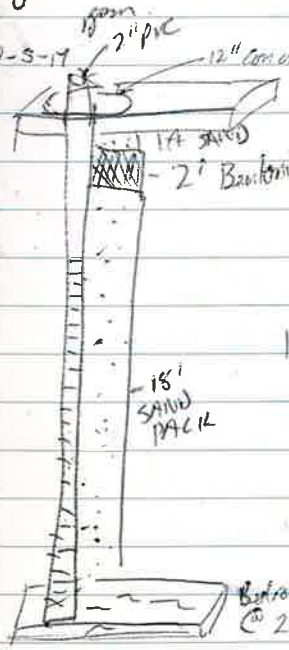
0955 Workzone Doorway Co-0 LEL-0
0.142 mg/m3 0.02 mg/m3 H2S-0 O2-20.9
0.3 ppm 0 ppm

↑ may Have had Exceedence from masons mixing Concrete. NOT From Augering. All Soil Coming up is Saturated. NO Dust From Soil

1037 - Masons Sweeping area for cinder Block Placement. This will increase Workzone Dust Levels. Additionally there is visible Dust Coming from Elevator Shaft due to re-using wood that has dust on it. the wood movement is unavoidable.

1056 - Dust levels increased from masons Cutting Concrete. DUST NOT FROM Drilling.

1100 - Workzone Doorway Co-0 LEL-0
0.145 mg/m3 0.016 mg/m3 H2S-0 O2-20.9
0 ppm 0 ppm



Used 4.25" Hollowstem auger

6' Riser

Bags of SAND
11 Bags

Bags of Bent
1 Bag

1130 - Purged IW-D-08 up to Product to try & get a Sheen for Drum Sample

1155 - Workzone Doorway Co-0 H2S-0
0.066 mg/m3 0.015 mg/m3 H2S-0 O2-20.7
1.4 ppm 0 ppm

↳ odor from adjacent Soil in Drums

1245 - IW-S-17 installed. Drillers will decon. Dump Soil. and Progress to (IW-S-16 / IW-D-18).

Rite in the Rain

1310 - Workzone Doorway Co-0 LEL 0
0.035 mg/m3 0.030 mg/m3 H2S-0 O2 - 20.9%
0 ppm 0 ppm
1330 - Decon Pad Set up in South Central Area
Between IW-S-14 & IW-S-13.
-additionally, workers wet Concrete cut in SE Corner
Which may increase Dust Levels in work Zone.
Pictures Taken.
1337 - Decon of Augers Begins. Poly Sheeting placed over
windows for added Protection. Pictures taken.
1400 Workzone Doorway Co-6 ppm LEL-0
0.054 mg/m3 0.029 mg/m3 H2S-0 O2 - 20.9%
6.1 ppm 0 ppm
1420 - Decon Complete. Masons not cutting but Creating
Dust. Possible Exceedence. Will open additional
window if continued. Pictures Taken.
1445 - Soil Dumped in Rolloff & Covered.
-moving Drill to Additional Nested well IW-S-18/IW-D-18
1450 - Elevation in Workzone Dust Due to
Jack Hammering from Masons, NOT
From Drilling. Rig is Not on.
1500 - Workzone Doorway Co-0 LEL-0.
0.055 mg/m3 0.022 mg/m3 H2S-0 O2-20.9%
0 ppm 0 ppm
1515 - Rig in Place. The 1st Location of IW-S-17
will be grouted. End drilling. CAMPS off.
1600 - CAMPS off to A. deSilva home Site.

2/26/2020 36°F Rain A. deSilva

0630 - A. deSilva @ office to pick up CAMPS
0645 - A. deSilva on Site. Sets Mats up
0700 - CAMPS (Downwinders) Zero Calibrated.
0730 - CAMPS Set up. x1 workzone x1 Upwind of Soil Pile x1 Downwind of Soil Pile
0805 - Drillers on Site. unloading Supplies. 3 total CAMPS.
0830 - Concrete Going on IW-S-18/IW-D-18 Begins.
0745 - Gw levels taken ↑ AKA RIMW-19S/RIMW-19D

ID	GW level (ft)	ID	GW level (ft)	Stick Up (ft)
IW-S-01	10.45	IW-S-13	10.2	
02	10.58	14	10.6	
03	10.96	15	10.34	
04	9.6	16	10.46	
05	10.36	17	10.14	
06	10.33	IW-D-07	11.16	
07	10.73	-08	9.55	
08	10.36	-12	10.21	
09	11.01	-13	11.32	
10	11.25	-14	11.04	
11	11.08	-15	11.42	
12	10.74	-16	11.61	

- Excavation of Soil Begins
0730 - CAMPS Set up UPwind + Downwind of Soil Pile Being Excavated
0802 - Background. Doorway = Downwind

Workzone	Upwind	Doorway	Co-0 LEL-0
0.063 mg/m3	0.032 mg/m3	0.035 mg/m3	H2S-0 O2-20.9%
0 ppm	0 ppm	0 ppm	

Rite in the Rain

Wind coming from Hudson Ave to East ~~West to East~~

-- Prior to Background Reading Workzone Dust Levels are high ~ 0.200 mg/m3. A. deSilva will open SE and W windows for ventilation.

- Dump truck to Remove Soil (#307) x2 Trucks (#13) US DOT
  Riccelli Enterprises. IS DOT 9178319 + 9153319
  - Hamilton is taking Care of TRUCK Manifests. TA-402 TA-402

0900 - Workzone	Upwind	Doorway	CO - 0 LEL - 0
0.145 mg/m3	0.042 mg/m3	0.031 mg/m3	H2S - 0 O2 - 20.9
0 ppm	0 ppm	0 ppm	

0900 - Spike in PID from Drillers spraying oil on drill shaft ~ lasted about 20 seconds.

0920 - LaBella HC (Rob Yaeger + Mike) on Site to Set up Decon Pad.

0930 - Augering on IW-S-18/IW-D-18 Begins.

0940 - Excavator on Site

0920 - Loading Soil Pile Begins.

0940 - Riccelli truck #13 Back for ~~another load~~ Asp! 1st load.

Soil log IW-S-18/IW-D-15 ← AKA RIMW-185/RIMW-190

Depth	Date	Time	PID (ppm)	General description -
0-5	2/26	1100	0.1	Brown to Dark Brown Silty SAND, trace Clay, Little F-SA Gravel moist
5-10	2/26	1235	0.6	SAA But Brown - Light Brown
10-15	2/26	1441	3.0	SAA
15-20.7	2/27	940	16.2	SAA + Trace Brick?

1000 - 4 gal Purged from IW-D-16

1005 - Visible Dust From Masons ~~but~~ Asp! dropping wooden Planks. No Dust from Auger. Moist Soil, Slow Auger Spin.

1008 workzone	upwind	Doorway	CO - 0 LEL - 0
0.091 mg/m3	0.036 mg/m3	0.026 mg/m3	H2S - 0 O2 - 20.9
0.1 ppm	0 ppm	0 ppm	

1014 - Masons over Cooling dust using Hammer drill. A. deSilva asked if they could ~~attack~~ Wet as it to Reduce Dust Levels.

1100 workzone	upwind	Doorway	CO - 0 LEL - 0
0.088 mg/m3	0.034 mg/m3	0.033 mg/m3	H2S - 0 O2 - 20.9
0.1 ppm	0 ppm	0 ppm	

1130 - 3 Loads of Asp! Soil have Been taken off Site. Manifests will be given to Hamilton.

1200 - workzone	upwind	Doorway	CO - 0 LEL - 0
0.036 mg/m3	0.05 mg/m3	0.033 mg/m3	H2S - 0 O2 - 20.9
0.3 ppm	0 ppm	0 ppm	

↳ Masons on Lunch Break.

↳ Excavator Crew Shooting for 5-6 Truck Loads. Not Filling all the way. Are loading lighter loads Due to ~~Freezing~~ Snow/Rain Conditions? Asp!

1205 - Drillers on Break.

1236 - 4gal Purged from IW-D-16

1343 - Excavation of Soil has Ended. Upward Cone taken Down & Doorway Placed Next to Building Entrance -- Pictures taken.

Rite in the Rain

1400 - Workzone Doorway CO-0 LEL-0
0.038 mg/m³ 0.033 mg/m³ H2S-0 O²-20.9
0.1 ppm 0 ppm
↳ LLC (LaBella) & A. daSilva took drums through front door. and set them on a 8'x14' Secondary Containment area in the South ~~East~~ West Corner of Building 4 Locked A Fence that was set up around the Chemical. Pictures taken. 2.72
1412 - Spike in CO. Plumbers were using Gas Saw to Cut PiPe. A. daSilva Had them open window/Door for Better ventilation. CO Levels decreased.
1414 - ~~BA~~ AM Plumbers are finished using Saw
1520 - Dumped 1x Bucket full of soil in Rolloff & Covered
1538 - Drilling Ends. CAMPS are locked up
1600 - A. daSilva leaves site after closing Plywood Windows.

2/27/2020 Snow/Wind/29°F A. daSilva

0640 - Picked up Gloves from ECO.
0650 - A. daSilva OnSite. Sets Note book up. Spoke w/ Rob Yaeger about unused Drums & Fence Being Picked up today.
0710 - Zero Calibrates DustTRAKs.
0750 - Sets up 2 CAMPS (1) workzone inside & (1) outside NEar North East Entrance "Doorway"). Both CAMPS w/ PID & DustTRAK.
NOTE: Every Day on Site a 4-gas meter Has been Setup.
0700 - GW Levels of Injection Wells taken.

ID	GW Level (ft toc)	ID	GW Level (ft toc)
IW-S-01	10.36	IW-S-13	10.12
02	10.47	14	10.53
03	10.59	15	10.07
04	7.51	16	10.56
05	10.2	17	10.04
06	10.2	IW-D-07	10.96
07	10.6	08	8.97
08	10.3	12	10.12
09	10.94	13	11.16
10	11.27	14	10.89
11	11.12	15	AM 11.02
12	10.66	16	10.7

0932 - Drillers arrive - Weather is freezing Rain on Way in
0935 - IW-S-18/IW-D-18 Drilling Continues.
0805 - Background ← AKA RIMW-1S/RIMW-1D

Workzone	Doorway	CO-0	LEL-0
0.247 mg/m³	0.04 mg/m³	H2S-0	O²-20.7
0 ppm	0 ppm		

All dust From Hanson will talk w/ them → Rain on the Rain
Reduce Dust. They will try to wet/Vacuum as they →

0756 - Dust Levels at ~0.270 from Masons Breaking Bricks. A. deSilva opens SW Plywood window for Ventilation. Strong winds from Southwest
→ work on Pipe install through brick wall.
0900 - High workzone Dust levels due to Masons Cutting wood w/ saw. Pictures taken. A. deSilva will ask them to cut Wood near window or outside.
0910 - Spoke w/ Mike Poly duty about Dust. There Really isn't anything we can do, The window open for Venting has winds coming through it and Has Dust Every Where on Site from masons + Wood + Pipe Cuttings.

0915	workzone	Doorway	CO - 0	LEL - 0
	0.298 mg/m³	0.023 mg/m³	H2S - 0	O2 - 20.9%
	0.1 ppm	0 ppm		

0940 - Down to Bedrock on IW-S-18/IW-D-18 @ 20.5 ft
1000 - LLC (LaBella) on Site to Pick up Extra Fence & Drums. Unused
1010 - A. deSilva Leaves for Home depot for Sub Slab Pressure Point materials.

1110 -	workzone	Doorway	CO - 0	H2S - 0
	0.207 mg/m³	0.002 mg/m³	LEL - 0	O2 - 20.9
	0 ppm	Dead ppm		

↳ Phone charger. Cold killed it.

1140 - Purging Hyatlons out of IW-D-16.

1205	workzone	Doorway	CO - 0	H2S - 0
	0.089 mg/m³	0.091 mg/m³	LEL - 0	O2 - 20.9
	0.1 ppm	Charging		

1224 - Removed Stick up using Newly secured Square - Note Dust indoor has Gone Down Since Masons on Break. We were still Drilling.

1300 -	workzone	Doorway	CO - 5 ppm	LEL - 0
	0.310 mg/m³	0.052 mg/m³	H2S - 0	O2 - 20.9
	0.6 ppm	0 ppm		

↳ Elevated From masons Saw.
Dust increase from indoor Pipe Cutting. Had door opened & Extra windows open @ the time. occured Near Doorway in NE Corner.

1405 -	workzone	Doorway	CO - 5 ppm	H2S - 0
	0.242 mg/m³	0.109 mg/m³	LEL - 0	O2 - 20.9
	0.5 ppm	0 ppm		

↳ Both High from Metal Pipe Cutting.

1500 -	workzone	Doorway	CO - 0	H2S - 0
	0.169 mg/m³	0.012 mg/m³	LEL - 0	O2 - 20.9
	0.1 ppm	0 ppm		

1545 - 1.5 gal Purged from IW-D-16 -> Developed. Refer to Excel Sheet for Details.
1600 - Leave Site after Check Tube Down & Board Window is Closed

Rite in the Rain

IW-D-18 #RUN#1 Time: 1210
AKA RIMW-19D

Natural (N) or Mechanical (M) Fracture — Horizon PID used to screen

20.7 — Bedrock Surface

Highest PID (ppm)	Depth (ft) BGS
1.1	21
30.6	21.6
1.6	22.7
1.5	23.06
0.4	23.56
0.8	24.23

20.95 Dolomite
21.2 Dolomite
21.45 VF Silty SAND Brown/Grey; AND A-SA F-M Dolomite Gravel, Angled Fracture Fill ~4" N
21.7
22.08 Broke off N
21.85
22.68
22.7
22.71
22.75 Mechanical Horizontal Stress Fractures
22.77
22.86
23.06 Chipped Horizontal Clean M
23.3 Porous, Calcite vugs
23.54 Multi-Stress Fracture Mechanical M
23.58 SAF
24.1 Wavey Weathered Seam N
24.28 / 24.24 End of Recovery For Run #1 — Horizontal Chipped / Jagged M
24.7
25.7

Recovery: 24"/60 + 23"/60
Recovery = 47"/60"
↳ Couldn't come up the 1st time. 24.3'
RQD = ~~100%~~ 56/60 x 100 = 93%

IW-D-18 - Run #2
AKA RIMW-19D

Natural (N) or Mechanical (M) Fracture?

25.7

Highest PID PPM	Depth ft BGS
0.1	26.35
0.2	26.71
0.1	27.6
0.1	28.75
0	30.05

25.95
26.2
26.35 Calcite filled seam Horizontal N
26.45
26.7
26.9 Core Bit Scraps - Horizontal M
27.2 Horizontal, clean Break M
27.55 Horizontal calcite seam N
27.65 And Vug 0.2'
27.7
28.02 Calcite Seam w/ 1/8" Vertical Fractures throughout N
28.17 Jagged Mechanical Break M
28.7
28.6 Pinched out Porous Calcite Lense — No Fracture
28.73 Horizontal clean Break M
28.95 Broke coming out of core N
28.95 Wavey Fracture
29.35 Wavey Fracture through calcite seam N } <4" - 0.3'
29.69 Weathered w/ Veins throughout N
29.72 Clean snap from Exiting core M
29.7
30.05 Wavey weathered N
30.35 Clean ~~SAA~~ SNAP From Exiting Core M
30.7
30.65 Calcite Vein N
30.74 Can see ~~Bit~~ where Bit grabbed End of Rock & snapped it M
End @ 30.78

Recovery: 60/60
RQD: 56.5/60 = 94.16 %

Rite in the Rain

2/28/2020 28°F wind from SE/SW Sunny A. daSilva

0700 - A. daSilva on site & sets up Note Book

0710 - A. daSilva Zero Calibrates Dusttraks

0715 A. daSilva Sets up Cannes (x1 in workzone & x1 at North East Doorway outside). Both Camps Have a PID & DustTRAK.

0720 - A. daSilva gets GW Levels of all Injection Wells

ID	GW Level (Ft TOC)	ID	GW Level (Ft TOC)
IW-S-01	10.38	IW-S-13	9.99
02	10.5	14	10.43
03	10.51	15	10.55
04	9.45	16	10.32
05	10.23	IW-D-07	10.93
06	10.15	08	9.75
07	10.6	12	10.11
08	10.19	13	10.84
09	10.87	14	10.78
10	11.05	15	10.9
11	10.9	16	10.6
12		IW-S-17	10

- Drillers arrive on site
- Drillers install IW-D-18 AKA RIMW-19D
- Drillers Stanton IW-D-09 while IW-D-8 grout Sets.

0730 - A. daSilva opened SW Plywood window of NE Plywood window for ventilation of Pipe-Saw Cutter that Ran on gas Had them turn it off if Exceeded 32 ppm (Plumbers not Drilled)

- Background Prior to Drilling

Workzone	Doorway	CO: 0 ppm	LEL - 0
0.123 mg/m3	0.005 mg/m3	H2S - 0	O2 - 20.7
0 ppm	0 ppm		

0840 - A. daSilva Starts Purging IW-S-17. Purged Dry @ 9 gallons. Very Silty

- Dust Generated from Masons Cutting Steel w/ Electric Saw. Pictures Taken.

0855 - Workzone / Doorway / CO - 0 / H2S - 0

0.127 mg/m3	0.053 mg/m3	LEL - 0	O2 - 20.9%
0 ppm	0 ppm		

→ Caused Exceedance - 0.266 mg/m3 in workzone; Windows were open to increase ventilation. Dust also generated by moving Drums, But Drums Created dust for Isolated as opposed to continuous production from angle grinder. May be a combination. Dust is on everything & all over the floor from Masons / Frames / window installers.

0930 Workzone / Doorway / CO - 0

0.227 mg/m3	0.015 mg/m3	H2S - 0	O2 - 20.9
0 ppm	0 ppm	LEL - 0	

→ Wind Coming in through SW window is kicking up Dust. We Closed window to Just allow Vent Van to Push out Rig vapors, but wind is Still getting through. We had Windows open to Vent CO, No Saw cutting or Drilling or Drum Moving In Last Half Hour. Rain in the Rain

0935- Drillers Moved Rig to IW-D-09 Location.
Crew working on Removing a auger head from one auger & moving it from Iw-D-08.
945- Concrete Core Cutting Begins.
1000- Drillers are through Concrete and are getting ready to auger Soil.
1020- Augering on IW-D-09 Begins.
1[illegible]- [illegible]
1[illegible]- Plumbers used Gas Saw to Cut Pipe. CO levels exceeded 32 ppm. Had them shut off and made sure it did not spike again. Had All opened front Access door to Vent.
1040- Read Doorway PID From Cold.
Soil Characterization IW-D-09

Depth (Ft)	Time	Date	PID (ppm)	General Description
0-5	1040	2/25	0.1	Brown VF Silty SAND, moist, trace Sub-Angular TRAP Clay
5-10	1130	2/25	2.0	SHA fine lighter Brown
10-15	1238	2/25	6.6	" SHA
15-21	1310	2/25	7.5	SHA, soupy

1050 Hit Something hard @ 5ft BGS. This is most be Extend or Auger hole or nearby Encroachment.
1055- ~~Background~~ Workzone Doorway CO - 0
0.170 mg/m3 ~~0.017~~ ~~0.170~~ mg/m3 H2S- 0 O2- 20.9
0ppm ~~Leaving Ad~~ 0ppm LEL- 0

1105- Take notice, When other work (NOT Drilling) Ends, the Workzone Dust Levels decrease.
1150- Need to Stockpile Soil on Bio Liner for Mixing & Constructing Lift in front of North Doorway (Rotary). Pictures taken.
1200 Workzone Doorway CO - 0
0.148 mg/m3 0.016 mg/m3 H2S- 0 O2- 20.9
0 ppm 0 ppm LEL- 0
1205- Pass. Of gravel Lense @ 12 ft BGS on IW-D-09 Estimated ~6" Thick.
1230 - Mixing on Lunch Break Since 1200. Dust has dropped to 0.027 mg/m3.
1300 Workzone Doorway CO - 0
0.052 mg/m3 0.013 mg/m3 LEL- 0 O2- 20.9%
0.1 ppm 0 ppm H2S- 0
1320 - To Bedrock @ 21 ft BGS.
1400- Workzone Doorway CO - 0
0.122 mg/m3 0.010 mg/m3 LEL- 0 O2- 20.9
0.1 ppm Depth ppm H2S- 0
From Cold. Plumber on Charger

1500 - Workzone Doorway CO - 0
0.042 mg/m3 0.01 mg/m3 LEL- 0 O2- 20.9
0.1 ppm 0 ppm H2S- 0
1530 - Drilling Ends. Addison packs up Camp.
1545 - Addison Leaves Site

Rite in the Rain.

IW-D-09 Run # 1 Time: 15

* Screened w/ workZone PID *

	Highest PID (ppm)	Depth (ft)
	4.0	21.3 gravel
	5	22
	17.2	22.65 Clay Seam
	3.8	23.05
	1.0	23.44
3/2	0.4	23.84
	0	24.45
	0.2	24.62

21 — Possible of Dolomite @ Top surface of Bedrock

M SA-SR Gravel
Seem. Limestone + Red Sandstone

22 21.9 — Horizontal, Dolomite — N

Dolomite

22.6
22.65 — Clay Seam Fracture (M) (N) Horizontal

22.85 — (N)

23 — Angled (45°) Fracture

23.05 — (M) Chipped clean Horizontal

23.4 — (M)
23.45 — Clean Break coming out of Core
23.55 — Weathered Horizontal (N) — (M)
SAA

23.7 — (M)

24 23.95 — SAA - Seem Bitemarks — (M)
24.1 — Chipped, grinded, Horizontal
24.15 — SAA (N) — (N)
24.3 — Wavy Weathered Horizontal
24.4 — SAA - (M)
24.62 — SAA — (M)
Broke coming out of Core — (M)

24.9 — (M) End

25 End of Recovery Run # 1

Recovery: 24.9

26 - 24.9 = 1.1

5 - 1.1 = 3.9'/5'

46.8"/60"

RQD =

$\frac{46.8" - 3}{60} = 0.73 \times 100$

= 73%

Real = 57/60" = 95%

26 Completed on 3/2/20

only 1/2 Recovery on 2/28/2020,

got the Rest @ 0930 on 3/2/2020

3/2/2020 45°F clear A. daSilva

0630 - A. daSilva @ office for Hours, Email, & Expense Rpt.

0700 - A. daSilva on Site & Sets up Note Book.

0745 - A. daSilva Zero Calibrates DustTRAKs.

0750 - Sets up CAMPs (1) workzone & (1) out Door Doorway

- A. daSilva gets GW Levels.

ID	GW Level (ft)	ID	GW Level (ft)
IW-S-01	10.42	IW-S-13	10.02
02	10.53	14	10.46
03	10.56	15	2.9
04	9.48	16	10.31
05	10.2	17	~~9.~~ AdS 10.01
06	10.18	IW-D-07	10.92
07	10.59	08	9.3
08	10.21	12	9.64
09	→ overflowing From IW-D-09 Install	13	10.83
10	10.99	14	10.09
11	10.95	15	~~10.61~~ AdS 10.92
12	10.19	16	10.61
		18	

~~0752 - Door way Camp~~ AdS

0810 - Drillers on Site.

0813 - Installation on IW-D-09 Begins

0815 - Background Reading Prior to Drilling

Workzone	Doorway	
0.159 mg/m3	NA mg/m3	Co - 0
		LEL - 0 O_2 20.9
0 ppm	0 ppm	H_2S - 0

→ Just from workers moving around →

0752 - Doorway CAMP Zero. Adahlia Investigating to see if there is a clog.
- Gloved Elkins, Looked good. Set in front of fanning to try & get rid of any Possible Condensation in lines that may be causing False Readings.
0815 → Continued. A. deSilva Had Sathi Weir Plywood window open for Ventilation to Reduce dust.
Work zone Dust Level Ite - 0.124 mg/m³
Masons are ~~mixing~~ Mixing Concrete & Plumbers are Measuring & Cutting PVC Pipe.

0915 Workzone Doorway H_2S - 0
0.048 mg/m³ 0.023 mg/m³ C_o - 0 O^2 - 20.9
0 ppm 0 ppm LEL - 0
↳ used a new Dust TRAK starting @ 9:10
→ will Return other Dust TRAK to Eco, this one that is not working

1000 workzone Doorway C_o - 0
0.044 mg/m³ 0.059 mg/m³ H_2S - 0 O^2 - 20.9
0.1 ppm 0 ppm LEL - 0
↳ Raining outside

1100 Workzone Doorway C_o - 0
0.062 mg/m³ 0.026 mg/m³ H_2S - 0 O^2 - 20.9
0.1 ppm 0 ppm LEL - 0

1210 Work Zone Doorway C_o - 0
0.107 mg/m³ 0.023 mg/m³ H_2S - 0 O^2 - 20.9
0.2 ppm 0 ppm LEL - 0

1248 - IW-D-09 grout is setting over night

IW-D-09 Row #2 Time:

		Mechanical (M) or Natural (N) Fracture	Highest PID (ppm)	Depth Ft (BGS)
26		M	0.3	26.5
	26.15	Horizontal Chips Clean	0.5	27.43
	26.51	Horizontal, grind Powder	0	28.35
			0.1	29.75
27			0.3	30.78
	27.43	SAA w/ chips & fresh marks		
25				
Calcite	28.35	Horizontal, 6" ips, grind Powder		
	28.8	~~Fr~~ Apt 0.5" thick calcite seam Possible Bores Throughout Fracture (N) (Not Fracture)		
29	29.03	Break from coming out of core (Horizontal)		
	29.5	N (Not Fracture)		
	29.73	1/4" pores, oval, vertical - Create avenue of travel (N)		
		1/4" Clay Seam w/ Bores 1" Below		
30	30.26	(N)		
		Wavey, Weathered surface. Little calcite between.		
	30.78	N		
31		Horizontal Calcite Seam, Soft		
	31.15'	= 2nd Core		

Grout: 60"/60"
RQD: 100%

Rite in the Rain

1320 Workzone Doorway CO - 0
0.066 mg/m³ 0.024 mg/m³ H2S-0 O2-20.9
0.1 ppm 0 ppm LEL 0

1315 - 1325 - Drillers on lunch.

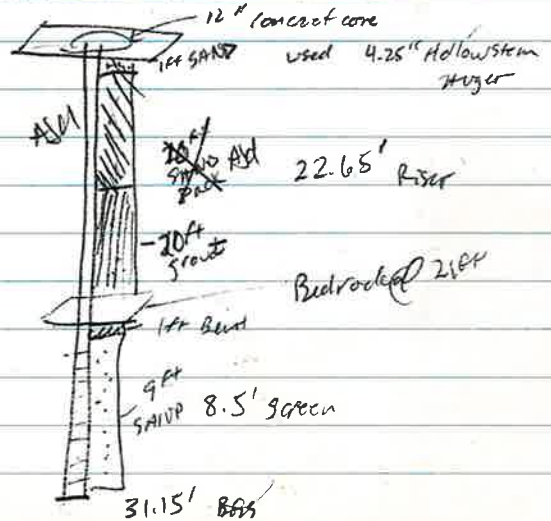
1400 - IW-D-09 grouted up from sand pack to 10ft BGS and will sit open Night and to Not Push grout towards IW-S-09.

1420 - Background Doorway CO - 0
0.127 mg/m³ 0.020 mg/m³ H2S -0 O2 -20.9
0 ppm 0 ppm LEL - 0

1415 - Drillers on Repositioning Rig to finish IW-S-18 / IW-D-18. AKA RIMW-19S / RIMW-19D

1500 - Drilling Fluids Addition Parts up Offices, Clean Windows & Leaves Site.
- Drill Rig was set in position & Hunger was Decontaminated from IW-D-09.

IW-D-09
Construction Log



3/3/2020 42°F - Cloudy A. deSilva

0645 - A. deSilva on Site & Sets up Work Area.
0700 - A. deSilva Zero Calibrates Dust TRAKs.
0745 - A. deSilva Sets up DAMS (x1 workzone & x1 in NE Doorway just outside)
0705 - A. deSilva collects GW-Samples

ID	Gal used (ft)	ID	GW Level (ft)	Stick up (ft)
IW-D-01	10.45	IW-S-13	10	
02	10.59	14	10.35	
03	10.95	15	9.89	
04	9.54	16	10.31	
05	10.19	17	10.04	
06	Covered (ft)	IW-D-07	10.99	
07	10.54	08	9.81	
08	10.11	12	10.24	
09	10.32	13	10.95	
10	11.04	14	10.84	
11	10.98	15	10.57	
12	10.58	16	10.6	
		09	11.33	

0715 - Drillers arrive AKA RIMW-19S
0816 - Installation of IW-S-18 Continues.
0830 - Background Point to Drilling

Workzone	Doorway	CO - 0
0.141 mg/m³	0.06 mg/m³	H2S - 0 O2 - 20.9
3.8 ppm	0 ppm	LEL - 0

↑ Spray paint

Rite in the Rain.

0755 - Spray paint for marking excavation is Setting workzone pts off.

0825 - Masons are Dumping Stone in area where Subslab points need installation. Pictures taken.

~~To~~ 1115 - IW-S-13/IW-D-13 installed fully.

0915 - A. daSilva leaves to office to grab supplies to install Subslab Vapor Points before Concrete is Poured Thursday. 1000 - A. daSilva Back on Site

1145 - Points are installed. Pictures taken. Will Test tomorrow after they set.

- There was an Exceedance in work zone CAMP Most likely from Masons Mixing Grout and or A. daSilva mixing grout for Subslab Seal. + Masons Sweeping Concrete * Not From Drilling

1150 - workzone
0.144 mg/m3
0 ppm

Doorway
0.029 mg/m3
Dead ppm
Will Move or Change
Raining Outside

Lo: 0
Hi: 0 O2 20.9
LEL: 0

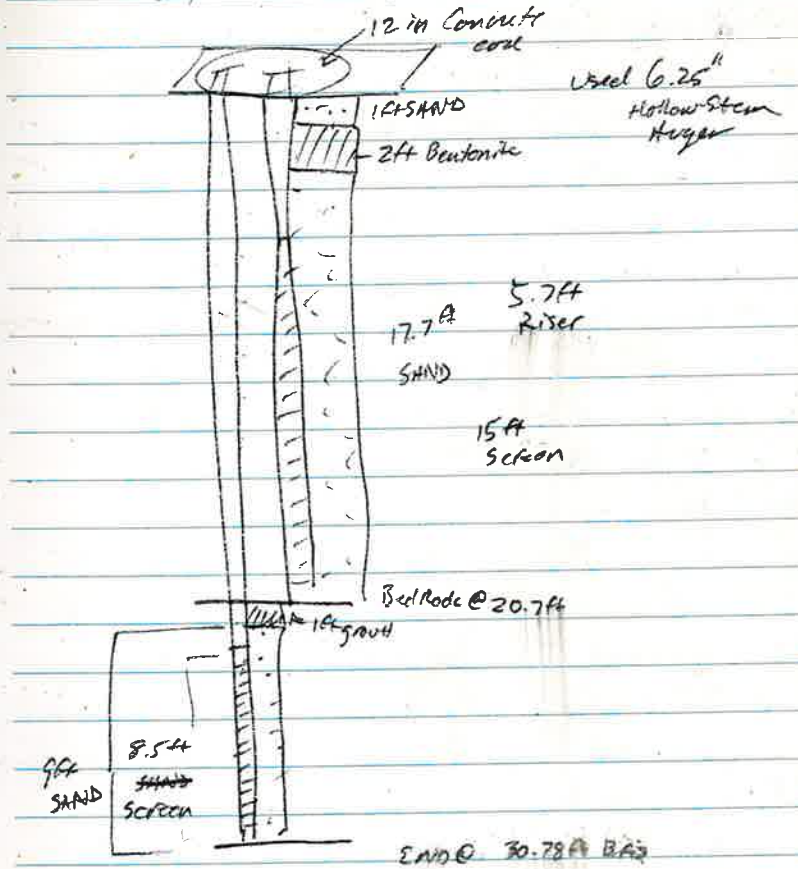
1155 - Masons Cutting wood inside. Pass-Thru Port.

1208 - IW-D-03 Install Begins.

IW-D-03 Soil Log

Depth(ft)	Time	Date	PID Reading (Highest ppm)	General Soil Description
0-5	1234	3/3	1.7	VF Silty MEDIUM SAND; some SA - Sagwood; TRACE CLAY; TRACE BRICK
5-10	1347	3/3	0.7	SAA - NO Brick
10-15				
15-				

~~IW-S-13/IW-D-13~~ As-Built RIMW-6S/RIMW-6D



Rite in the Rain.

1250 - Bricks in Soil Diffracted Auger in IW-D-03 and Angled its Drilling. Northwest Row to Cut away some concrete to line up Augers Straight.

1300 - ~~Back~~ Workzone Doorway Co- 0
0.069 mg/m3 0.026 mg/m3 Hes - 0 02 - 20.9
0 ppm 0 ppm LEL 0

→ Note: Dust levels greatly decrease when workers take Lunch Break. Drillers have been working through the recesses break from 1200 - 1300.

1400 Workzone Doorway CO-0
0.092 mg/m3 0.024 mg/m3 H2S-0 02-20.9
0 ppm 0 ppm LEL 0

1510 Workzone Doorway Co_0
0.066 mg/m3 0.024 mg/m3 H2S-0 02-20.9
0.2 ppm 0 ppm LEL- 0

1600 - End Boring for day. Drilling Ends.

1615 - offsite

3/4/2020 40°F Clear A. deSilva

0650 - A. deSilva on Site & finishes installing Lubsleb system.

0742 - ~~System~~ Lubsleb test ports are fully installed. Pictures taken. Pvc was placed around wire guards of Copper Pipe to ensure no Injuries occur.

0745 - Zero calibrated Dust TRAKs & turns CAMs on.

0747 - Drillers arrive.

0756 - Background Prior to Drilling
Workzone 0.124 mg/m3 Doorway CO-0
0 ppm 0.038 mg/m3 H2S-0 02-20.9
0 ppm LEL-0

0800 - Drilling Continues on IW-D-03

0815 - A. deSilva collects GW levels.

ID	GW Level (ft) TOC	ID	GW Level (ft) TOC	Stick up ft
IW-S-01	10.61	IW-S-14	10.56	
02	10.75	15	9.89	
03	NA Pail in way	16	10.48	
04	9.71	17	10.11	
05	10.42	IW-D-07	11.5	
06	NA. Water Heater on top of	08	9.86	
07	10.8	09	11.41	1.34
08	10.41	12	10.62	
09	11.26	13	11.11	
10	11.26	14	10.98	
11	11.00	15	11.01	
12	10.73	16	10.7	
13	10.14	18	10.45 Rite in the Rain.	1.36
		IW-S-15	10.75	1.61

0836 - Drillers Prepping Rig for Rock Coring.

9AM - workzone | Doorway | CO - 0

0.072 mg/m3 | 0.045 mg/m3 | H2S - 0 | O2 20.9

0 ppm | 0 ppm | LEL - 0

0904 - Rock coring begins

1010 - workzone | Doorway | CO - 0

0.046 mg/m3 | 0.02c mg/m3 | H2S - 0 | O2 - 20.9

0.1 ppm | 0 ppm | LEL - 0

1100 - workzone | Doorway | CO 0

0.119 mg/m3 | 0.036 mg/m3 | H2S - 0 | O2 20.9

0.1 ppm | 0 ppm | LEL 0

1200 workzone | Doorway

0.201 mg/m3 | 0.014 mg/m3

0.1 ppm | 0 ppm

Frames are moving Sheetrock & Foam Board inside & kicking up Dust when Boards are set Down.

1203 - Masons are Saw cutting, greatly increasing Dust workzone. They are watering Dust NOT from Drilling. Cutter < 5 min. Once Dust got kicked up, it stays in air for a while. Watering Helped Reduce levels. A Mason Opposite another Wall on 3rd Floor.

4 Escalades. Dehumair until 1220.

1250 Workzone | Doorway | CO

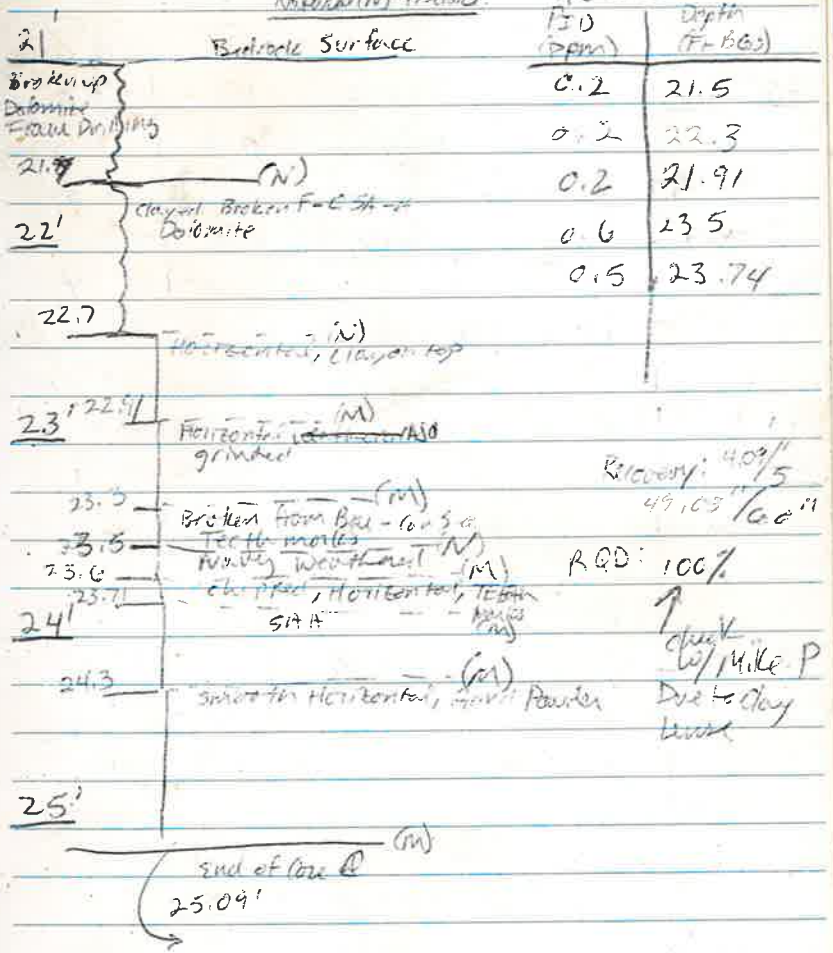
mg/m3 | mg/m3 | H2S | O2

ppm | ppm | LEL

Run # 1 - IW-D-03 Time 1100

(M) Mechanical or Natural (N) Fracture?

USED Workzone PID TO Screen



ID (ppm)	Depth (Ft BGS)
0.2	21.5
0.2	22.3
0.2	21.91
0.6	23.5
0.5	23.74

Recovery: 4.09'/5 49.09"/60"

RQD: 100%

Check w/ Mike P Due to clay layer

Rite in the Rain.

Run #2 IW-D-03 TIME: 1345

Mechanical (M) or Natural (N) Fracture	PID (ppm)	Depth (Ft bgs)
	0.1	26.87
26' Horizontal (M)	0.9	27.65
	0.2	28.25
26.42 Horizontal, Semi-vertical together (N)	0.3	29.65
26.7 Angled (-35°) w/ pores surrounding (N)	0.3	~~31.52~~ 30.44
27'		
27.15 Horizontal/large Breaks (M)		
27.65 Angled (2°) w/ calcite (N)		
28'		
28.25 Horizontal, grinded out (M)		
29' 28.91 Horizontal (M)		
29.4 2-1/4" Calcite semi/vertical (N) Fractures		
29.65 Chipped Horizontal (M)		
30'		
30.05 Wavy w/ pores surrounding (N)		
30.44 Horizontal, grinded (M)		
31'		
31.07' End Coring @ 31.07' (M)		

Recovery = 60"/60"
RQD = 56.5"/60"
= 94.17%

1310 - Mason Just Angle grinded Concrete creating tons of Dust. Of course ~ 20 secs Foreman again & dad like will tell them to water down Everything.

1316 - Masons using grinder again & dad also Had them use Shop Vac to Reduce dust.

1340 - IW-D-18 gauge complete

3+5+8 ~~lb~~ gal/lb out of IW-D-04 + Wood Dust coming from ceiling tile due to Hole cutting for Pipes. may Cause Dust Levels to increase.

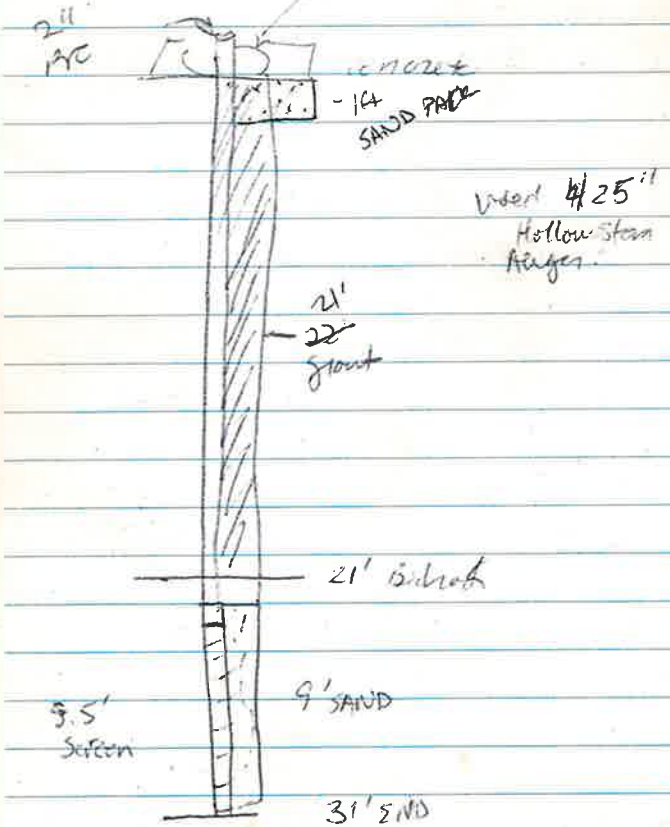
1350 - SAA ⇒ Exceedance from wood Dust

1420 - work zone 0.180 mg/m3 0 ppm
Desiray Co. 0.020 mg/m3 0 ppm
Has ~~or~~ LEL
↑ Dust ~ 1300-1400
Caused by SAW Dust ~~from~~ falling from ceiling & Hole cut out for Piping. NOT Drilling. Our Equipment Runs Slow and Everything is wet & or Decon (clean). Picturesque Proof.

~~IW-03~~ IW-D-03 installed to Depth of 31'. 8.5' ~~SAND~~ Screen. 9' SAND. Grated To Top from STAND.

Rite in the Rain

IW-D-03



1500 - Drillers move to RIMW-16-R.

1530 - Drilling Ends

1545 - off site

3/5/2010 36°F Cloudy Andesite

0700

0645 - A. deSilva on Site. Sets up Note Book for Day.

0710 - A. deSilva Zero Calibrates Dust TRAKs.

0730 - A. deSilva Sets up x1 workzone CAMP & x1 North East Doorway outside CAMP. Both Camps Have x1 PID & x1 DustTRAK.

* NOTE Every Day of Drilling a 4gas meter is also Picture Taken.

0730 - A. deSilva collects GW Levels.

ID	GW Level Ft TOC	ID	GW Level Ft TOC	Stick Up
IW-S-01	10.55	IW-S-14	NA Due to	
02	10.65	15	Meter Failure. Changed	
03	NA	16	Battery But Still Wires	
04		17	Reads. will Sample @ Eco	
05		18	Tonight	
06		IW-D-07	NA	
07		08		
08		09		
09		03		
10		12		
11		13		
12		14		
13		15		
		16		
		18		

0815 - Drillers arrive on site.

0815 - Installation of (Drilling) ~~IW-~~ RIMW-16R Rain on the Rain. Bigins.

0815
~~0800~~ - Background - Prior to Drilling

Work zone — Doorway — Co - 0

~~Azl 0.086 mg/m3~~ — 0.030 mg/m3 — H2S - 0 — O2 - 20.9%

0.083 mg/m3 — 0 ppm — LEL - 0

0.0 ppm

0834 - Purging Continues on IW-D-09

So far 16 gals purged, Need 30.

Gallons purged ~~Today~~: 4 + 4 + 4 + 4 = 30 total

- Need to Purge ~10 gal from IW-S-09 Due to water Coming up through it from Drilling IW-D-09.

0841 - Drillers clearing 4 ½ Hollow Stem ~~Augers~~.

0900 - Drilling Commences RIMW-16-R

0910 - Work zone — Doorway — Co - 0

0.135 mg/m3 — 0.015 mg/m3 — H2S - 0 — O2 - 20.9

0 ppm — 0 ppm — LEL - 0

Workers are Sweeping for New Concrete pour.

RIMW-16-R Soil Log

Depth	Time	Date	PID ppm	Recovered Soil Description
0-5	0920	3/5/20	0.3	Brown VFS, 1% SAND; TRACE SILT, TRACE CLAY, MOIST
5-10	0940	11	1.5	SAA
10-15	1000	11	2.2	~~SAA~~
15-				

2925 - Dumped 1 pile of Soil in Roll off

↑ Bucket full

1005 - Work Zone — Doorway — CO - 0

0.044 mg/m3 — 0.018 mg/m3 — H2S - 0 — O2 20.9

0 ppm — 0 ppm — LEL - 0

Dead period on Gauges

1100 Work zone — Doorway — CO - 0

0.030 mg/m3 — mg/m3 — H2S - 0 — O2 - 20.9

0 ppm — 0 ppm — LEL 0

1300 - A. de Silva goes to grander to Pick up Neutralizing Agent

1400 - A. de Silva Back on Site

1350 - Drillers Left after They finished up Cleaning Equipment. They will be on Site Tomorrow to Clean the Rest of the Things out.

1400 - A. de Silva will continue to Purge / Develope wells.

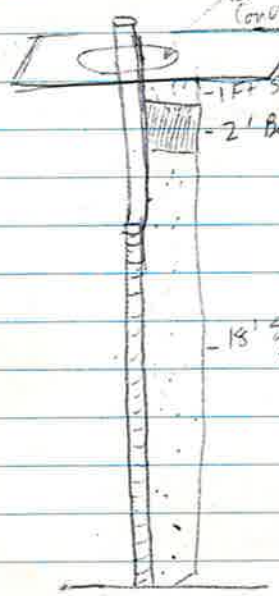
1500 - M Plybiaty on Site to discuss trench & IW-S-5.

1530 - A. de Silva Leaves Site.

Rite in the Rain

RIMW-16-R

TIME 1220



Level 4.25" Hollow Stem Auger

0' Riser

Bags of SAND USED ~9-10

Bags of Bent.

Drilling Ends @ 1230. Atlantic Rods up

DTMB -

3/6/2020 38F Partly Cloudy A. Atlantic

0700 - A. Atlantic on Site. No CAMP Needed Because There will be no digging today.

0645 - A. Atlantic @ office to Print OP-43 well Decomission Logs.

- A. Atlantic collects GW ~~Stabil~~ Levels from Injection Wells.

ID	GW Level (ft TOC)	ID	GW Level (ft TOC)	Stick up
IW-S-01	10.38	IW-S-15	9.93	
02	10.53	16	10.34	
03	10.30	17	10.02	
04	9.5	18	11.5	
05	NA. Hose is RAMS Up Too Far	IW-D-07	10.9	
06	NA. Water Heater on top of	08	9.76	
07	10.06	09	11.12	
08	10.28	12	10.08	
09	11.18	13	10.97	
10	11.21	14	10.82	
11	11.02	15	10.92	
12	10.63	16	10.63	
13	10.1	18	10.82	* 1.38'
14	10.5	03	11.3	* 1.33'
		RIMW-16-R	10.36	

0755 - A. Atlantic Starts purging IW-D-03. 20 gal. bail.

Gallons purged: 4gal + 4 + 4

Rite in the Rain

0506 - Concrete truck on site.
0522 - Concrete is Being Buried for Rompl.
0530 - Drillers on Site to Clean out Equipment.

# of Purge Water Drums	# Rock Core Water Drums	# Decon Fluid Drums	# Concrete Core Drums / Mixed Drums
10	12	12	2

# Decon PAD Drum	Empty	Total	+ Empty	
1	11	37		39

0750 - Drillers Packed up to Decommission
All grout in Place. Time Decommissioned

RIMW-5	0930
RIMW-14	1000
RIMW-17	1010
RIBW-A	1030
RIMW-13	1050
RIMW-12 → Covered w/ Gravel	

1100 - Northnagle Leaves Site.
- AdaSilva Cements Tiles Back on floor.
1145 - AdaSilva Leaves Site for office
1315 - A. daSilva leaves office to drop off GW Meter @ Eco.

3/10/2020 Rain 60°F A. daSilva

0645 - A. daSilva Returns EcoRental Equipment.
0700 - A. daSilva @ office for Supplies
0715 - AdaSilva on Site to Prep.
0730 - LLC on site
0800 - Pumping Starts on IW-S-10. = Full 145gal
- End Pumping @ 1020
1030 - Pumping Starts on IW-S-09 = Full 145gal
- End Pumping @ 1230
8+9+9+7+9+8+11+9+14+10+10+12+18+13+15+15+14+11+5+9+
1200 - 1230 - LL (LaBellaLLC) on Lunch Break. A. daSilva Stays on site.
1230 - Pumping Starts on IW-S-12
- Ends @ 1500
1500 - Cleaned up & Neutralized any minor spills w/ 50% Vinigar 50% Hydrogen Peroxide (3%) Solution.
1600 - Left Site. No Permanganate Seen from (Daylighting)

Rite in the Rain

3/11/2020

0620 - A. daSilva Stops at Lowes for Goggles; tote/Bin; Bucket; tape.

0650 - A. daSilva Stops @ Walmart for White Vinegar & Hydrogen Peroxide for neutralizing agent.

0730 - A. daSilva & Drillers arrive on Site & set up for injections

0745 - injection on IW-S-13 Begins. Pops off. LLC Realizes They set up on IW-D-13 & pumped ~ 2-3 gals of 10% Solution Down it. They Reset up on IW-S-13 and Begin Pumping @ 0810.

0810 - LaBella Survey Arrives on Site. & Starts setting up

0820 - A. daSilva Helps Survey elevations.

0840 - Survey complete

0845 - Solution Starts Rapidly day breaking through Soil @ a previous Soil Boring & through the Terra cotta tile Surrounding IW-S-13. Roughly 8-10ft Diameter Spill of Solution escaped after LLC Shut Down pump & TRIED To Depressurize Tubing as Fast as possible. Fluid Kept Day breaking from Tile Seems & previous Soil Boring even after Pump was off. LLC & A. daSilva Cleaned up as much chemical w/ Absorbent Provided & Hydrogen Peroxide / Vinegar mix to Neutralize it. A. daSilva Ranout to walmart 2 times to Purchase more Supplies. Mike Polychasty Was Called to discuss proper decon & neutralization of Chemical. An order was placed for additional Neutralizing agents →

→ LLC Containerized Neutralized fluid for Later testing with PH paper. Floors were cleaned off and Everything that got touched by the Chemical in the spill Radius got neutralized thoroughly (Sides, Bottoms; tops). Mainly The Drums Surrounding IW-S-13 got touched by fluid as well as some scrap wood. All A/d Everything Appeared to be neutralized & Clean of fluid.

Pictures were taken of daylighting.

No injections will occur tommorow due to waiting on more neutralizing agent. Instead the LLC will try to Shop vac old borings & grout them in place as deep as the clear them to ensure no future daylighting. Additionally any previous Boring will be Vacced and grouted if it has not been already. Any Area that may be Prone to daylightning will be inspected to ensure it won't & Sealed w/ grout.

* NOTE: It was asumed all Borings were closed w/ grout and all Flooring was Sealed

1400 - LLC Leaves

1430 - A. daSilva Leaves Site.

1433 - Spoke w/ Mike Polychasty who Said to Continue with injections tommorow after holes are patched.

~~1500 - A. daSilva leaves Site~~ A/d

Rite in the Rain.

3/12/2020 38°F cloudy A. daSilva

0700 - A. daSilva on Site to mark out Any potential Day lighting spots to grout. Checked Basement for any Potential Leaks in wall.

0730 - Drillers (LaBella LLC) on site. They Prep to Pump/inject IW-S-08 with 145 gallons of 10% permanganate Solution.
Pumping begins @ 0750. Pumping at slower Rate To Reduce chance of Rapid Day lighting if it were to occur.
- A daSilva works with LLC to clear old Core locations of Sand & gravel with Shop vac and fill in with grout.

0900 - A. daSilva spoke with Dan (Noll) about Furnace Reacting with material (Permanganate). Should Be fine as long as flame was far enough from Chemical ~20 ft. Spoke about gravity feeding 10% Permanganate Soln. into IW-S-13 to determine duration Etc.

0930 - A. daSilva Spoke with Mike Polychaty giving update on Injection & Gravity Feeding IW-S-13. Will gravity Feed IW-S-13 Starting tommorow once LLC Gets Proper fittings from well to funnel.
* Note: a Poly tent surrounds injection Point in Case of sprays if The Pump were to Slip off of well.

1130 - Pump slowed down possibly due to Back Pressure. A. daSilva Had LLC Close the lines & Pause Pumping for ~40 min. to See if the pressure in the lines will equalibrate →

→ before applying more pressure to Reduce chance of pressure popping the pump off the well.

1210 - Daylighting of Chemical occurred in crack adjacent to IW-S-08. It did not Break through Bentonite seal, just the Crack ~40mL. Soln. was Neutralized. A. daSilva informed Mike Polychaty. We could not pump slower.* took 100 gallons @ 3.5 hrs. We are moving on to IW-S-14

1515 - able to pump 100 gal into IW-S-14. From ~~att~~ detaching Hose, ~0.5 gal came out from Back Pressure. All Surfaces were Neutralized & Cleaned using Hydrogen peroxide + Vinegar mix.

1600 - A. daSilva + LLC Left Site.

Rite in the Rain.

3/13/2020 40°F Rain. A. da Silva

0645 - A. da Silva picks up more Hydrogen Peroxide & White Vinegar.

0715 - A. da Silva on Site. & Starts Setting up

0730 - LLC on Site & Sets up Pump.

0745 - Pumping on IW-S-14 Continues. ~45 gal Pumped in w/ minor drips ~~from~~ daylighting from cracks ~1ft from well. & nd Pump @ 0840

0845 - Pumping Continues on ~~IW~~-S-08. The full 145gal injected @ 0930. Minor daylight from Crack ~0.5ft From well.

1000 - Pumping starts on IW-S-15 w/ 10% Permanganate Soln.

1145 - full 145 gals in IW-S-15.

1 - LLC Takes Lunch

1200 - Wait 15 min for Electrician to move Cords out of Hazard Zone

1215 - LLC Preped for IW-S-17 injection. Starts @ 1220

~~1435 - IW-S- Nd~~

1230 - Product comes up Core Hole after 25 gals pumped in ⇒ Switched to IW-S-16.

1240 - Start pumping IW-S-16. End @ 1440 full 145gal

1500 - A. da Silva Checked Basement one last time to Verify No Chemical leaking in. There was Chemical Leaking in. A. da Silva Called M. Polychuky; Dan Noll; Dave Engert to discuss How to Clean & Prevent. LLC & A. da Silva

1715

moved all organics to opposite side. Hydraulic Concrete was purchased to Seal cracks. Permanganate was neutralized & Cleaned. Granular Neutralizer was sprinkled along wall to Prevent further Spills from Leaks. LaBella Stayed on Site until Leaking was brought to a Standstill and all possible Combustables Set far away from Possible leak Route.

1715 - A. da Silva & LLC Locked up and Left Site. Josh from Hamilton Stern was made aware of the Situation and was told to not allow workers in Basement until Cleared by A. da Silva (LaBella).

Rite in the Rain

3/16/2020 38°F A. deSilva

0615 - A. deSilva stopped at office for Expense Reports and ; timesheets ; Paperwork.

0715 - A. deSilva on Site. Checks Basement for Leaks. Minor Chemical mixed with Cement Hydrovit Patches But No Leaks. A. deSilva notified M. Pekchaty. LLC May be Running Late due to Shop update/ Breifing. They Called and let me know @ 0720. We will inject in wells ~20ft away from basement wall.

730 - LLC on site with Sodium Thiosulfate Neutralizer. Start injection on IW-S-03. Full 145gal of 10% Permanganate injected @ 1130.

1130 - Injection Begins on IW-S-02. ~15gals in Before Daylight through Auger Hole. Waited 15min for Bentonite to absorbe moisture & seal. → Tried injection again, still daylighted. Neutralized & Cleaned up Permanganate.

1230 - Injection on IW-S-04 Begins. 100gal injected @ 1440. Evel day.

1440 - LLC Cleans up & locks up.

1520 - LLC Leaves Site while A. deSilva inspects work area for any daylighting. No Leaking in Basement or work area. A. deSilva Packs up Closes windas & Leaves @ 1530

3/17/2020 40°F Cloudy/Rain A. deSilva

0700 - A. deSilva on Site. Checked All cracks Surrounding injection wells for daylighting = NO Daylight.
- Opened windows (Plywood) for ventilation.
- Set up as much as he could before LLC Arrives.

0740 → Appears to be slightly Late. Possible change in Personal or vehicles.

0755 - LLC on Site Start injection IW-S-04

0820 - Frames are putting Frames around IW-S-02 & IW-S-01. A. deSilva spoke w/ Josh (Hamilton) about waiting until wells are fully injected as to not get Chemical that may daylight on them. A. deSilva spoke to workers near by letting them know if they see purple coming from ground to stay away as it is hazardous to them & to Let us know.

0850 - IW-S-04 full 145 gal injected.
Need - Check Bedrock
- Netralize
Gravity feed Basement walls

0900 - IW-S-01 injection Start → only 75gals and Day lighted through Auger Hole Crack @ 1000

1000 - moved To IW-S-07 to Start injection.
- Injection of full 145gal complete @ 1300 - LLC went to Shop for gravity feed tank.

1350 - start Gravity feed 20% Soln into IW-S-02 ~20gal

1545 - A. deSilva Left Site.

Rite in the Rain

3/18/2020 42°F Clear A. daSilva

0700 - A. daSilva on Site. Sets up Notes. Preps Site for injections. Checks for daylighting.

0730 - LLC on Site.

0735 - IW-S-02 injection w/ 20% Soln Continues

1055 - Fill 58 gal of 20% Solution in IW-S-02 via Gravity Feed with Drum & Spout on Bottom.

1040 - Start Gravity feed 20% Soln in to IW-S-01 ~ ~ 28 gal of 20% mixed Soln.

1430 - 75 gal of (Pump) 10% & 28 gal of (Gravity) 20% injected into IW-S-01.

1000 - A. daSilva Sealed additional cracks on Pad cement near IW-S-05 & IW-S-06 in prep. for Tomorrow w/ Hydraulic Cement.

1400 - A. daSilva measured out wells from Columns in Building

1430 - LLC Cleans up & Neutralizes used Equipment + A. daSilva Cleans up.

1515 - A. daSilva Leaves site after inspecting well & Rearranging Caution tape.

NOTE - IW-S-02 Daylight through Auger Hole during Gravity Feed. Mpelychaty was made aware. Also Every Nested / Bedrock well had permanganate in it except IW-D-03.

* All with ~10% permanganate Soln.

(G) = Gravity Fed Gallons
(P) = Pumped in

Well injection Completion Log

				Date
IW-S-01	10%	28 (G) + 75 gal (P)	Daylight through Auger Hole	3/18/2020
IW-S-02	(20%)	58 (G) ; (P)	Came up through 1 5gal + after Hole	3/18/2020
IW-S-03	10%	145 gal (P)		3/16/2020
IW-S-04	10%	145 gal (P)		3/17/2020
IW-S-05	(20%)	30 g (G)		3/20/2020
IW-S-06	(20%)	30 gal (P) + 10 gal (P)		3/19/2020 3/20
IW-S-07	10%	145 gal (P)		3/16 / 3/17
IW-S-08	10%	145 gal (P)	Traveled to IW-S-03	3/13/2020
IW-S-09	10%	145 gal (P)		3/10/2020
IW-S-10	10%	145 gal (P)		3/10/2020
IW-S-11	10%	145 gal (P)		3/9/2020
IW-S-12	10%	145 gal (P)		3/10/2020
IW-S-13	(20%)	~48 gal (G) 20 gal	Daylight + Leak Through Holes (P)	3/11 + 3/19
IW-S-14	10%	145 gal (P)		3/19/2020
IW-S-15	10%	145 gal = (P)		3/13/2020
IW-S-16	10%	145 gal (P)	Basement Leak	3/13/2020
IW-S-17	(20%)	(G) 25 gal (P)	Daylight through Auger Hole	3/13 & 3/19

Of 10% → Switch To 20%
6 gal soln Need ~22 gal sol

Rite in the Rain



Rite in the Rain.

ALL-WEATHER

JOURNAL

№ 390F

872 & 886

Hudson Ave.

PN# 2182207

Volume #2

Dates: 3/19/2020 -

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PAGE	REFERENCE	DATE

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ALL-WEATHER
JOURNAL FIELD BOOK

Name La Bella

Address 872 & 886 Hudson AVE.

Phone 585-454-6110

Project 2182207 - Former Wollensack Optical - Injection well installation & injections

MADE USA RITE GREEN Archival paper

RiteintheRain.com

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JL DARLING LLC
Tacoma, WA 98424-1017 USA
US Pat No. 6,863,940
6-19

3/19/2020 43°F Rain A.daSilva

0700 - A.daSilva on Site.

0730 - LLC on Site, Hose Broke, Mike Ran to Shop for a new one.

0815 - Set up for Pump injection for IW-S-06. 30 gallons total pumped in. 20% Soln. 15 gal H2O + 15 gal 40% Soln. Need to Conserve due to Chemical Shortage because of Some lost from Daylighting. We have enough for 15-12 gal per hole/well.

1030 - Pumping finishes on IW-S-06. Full 30 gal of 20% Soln. Injected

1040 - Gravity Feeding 20% Soln (30 gal) into IW-S-13

1230 - IW-S-13 injection Compled. w/ 30 gallons in.

1240 - IW-S-17 Gravity injection begins with 40 gal of 20% Soln.

1555 - IW-S-17 full injection of 20% Soln (40 gal) Complete

1600 - LLC & A.daSilva Clean up & lock up Site.

1615 - A.daSilva Leaves Site.

3/20/2020 62°F Rain A.daSilva

0700 - A.daSilva on Site. Checks for Leaks / Daylighting of yesterday's Injections.

0730 - LaBella LLC on Site. Sets up to Gravity feed IW-S-05.

0745 - IW-S-05 injection of ~~40~~ 30 gallons 20% Soln Begins.

1215 - IW-S-05 injection Complete. "Gravity Fed"

1245 - Last 5 gal of Soln made into a 20% of 10 gals injected into IW-S-06 Because it was closer to Hot zone. (Pumped in)

1400 - 10 gals pumped into IW-S-06 Complete

1415 - Leaked in Basement. A.daSilva Sealed Crack w/ Hydraulic Cement and Neutralized Chemicals while LLC Continued Neutralizing & Cleaning Drums from chemicals.

1400 - A.daSilva Sampled Roll off Soil.

~~WCS-02-C-Rolloff Soil~~ Ajd

ID: WCS-20200320-02-C-RolloffSoil @ 1400.

×1 5035 kit
×6 4oz Jars
} 3 day TAT

Analyzed for: Total VOCs + TICs; TCLP VOCs; TCLP Metals; TCLP SVOCs; Reactive cyanide and Sulfide; pH; Flashpoint. (composite 5 locations on Pile)

1530 - A.daSilva dropped off samples @ Alph in Henrietta. (Eric D. was @ Alpha at time)

Rite in the Rain

Need to add 3.75hrs to this week

Coronavirus Strikes

3/23/2020 36°F Snow/Rain A. daSilva

0700 - A daSilva on Site. Checked Basement for Leaks. Notified Mike Pelychaty there were no Leaks. Notified Josh (Hamilton) there were No Leaks.

0710 - Called Rob Yarger (LLC) about getting Carbon & Tanks on Site for Purge, drill, & Decon water from injection well installation. LLC will arrive Later on Site due to Coronavirus Briefing.

0745 - LLC on Site Neutralizing Drums & ~~site~~ any Permanganate.

0810 - A. daSilva Spoke with M. Pelychaty about Scheduling. A. daSilva Spoke with Rob Yarger about: 1.) Need Carbon

2.) Need 2,000 gallon Holding tank

3.) Need to Netralize everything

4.) Need to Sweep/Clean area.

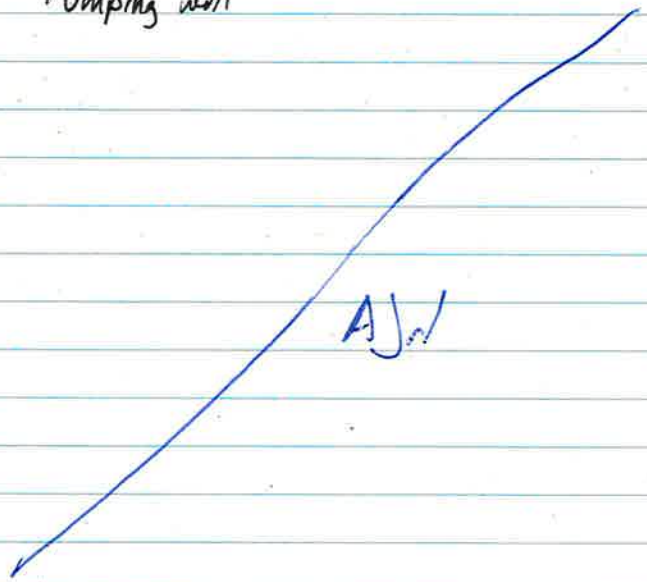
5.) Need to make better figures for trenches.

6.) Need figure for Soil-lab system in Stairway.

7.) A. daSilva may go @ Kodak wtd. or Thursday.

1300 - LLC Has Broken Down Fence & Containment Pad. All drums are neutralized. LLC will take Back drums to Shop & Haul to Rental Place in Akron. Fence needs to Stay due to the Rental Store being Shut down due to Coronavirus.

1315 - A. daSilva Leaves Site. Tomorrow Drums Plan to be pumped Free of Decon H2O; Drilling water; Purge water through a Carbon filter into a 2,000 gallon Container to be tested for Sewage discharge. A. daSilva Plans to oversee 1st day to ensure the Job goes as Planned. Pumping will

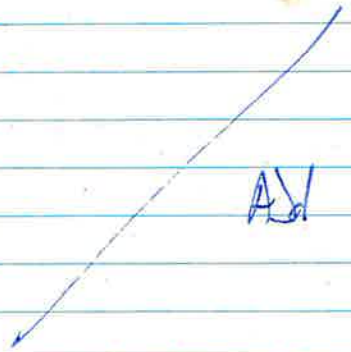


Rite in the Rain

3/24/2020 36°F Rainy Snow A.daSilva

0700 - A.daSilva on Site. Spoke with Mike Spratling about Plan via phone. He will be on his way w/ Carbon & tank.

- Spoke w/ Mike Pelychaty about My time needed on Site today. 2 1/2 day was decided once LLC Has a grasp on the gameplan and which Drums to Pump 1st. The Rest of the day will be working from home. Tomorrow A.daSilva will not Be on Site.
- Spoke w/ Rob Yarger on Tank Position / Carbon Position for water TREatment.



1430 - A.daSilva Leaves Site
1430 - 1445 - Roadside Conversation w/ Rob Yarger.

3/26/2020 58°F Sun. A.daSilva

1045 - A.daSilva prepares field gear & Leaves Home

1200 - A.daSilva @ Alpha to Pick up Sample Supplies.

1230 - A.daSilva @ Eco Rental to Pick up String; Bailers; gloves for Sampling & Checking for Permanganate in Basement & Parameter Wells.

1300 - A.daSilva on Site. Runs through trenching w/ LLC. LLC Has drums Pumped & out of Building.

- A.daSilva Samples Both Tanks for:
  - Volatile Organics - EPA 624.1
  - Acid/Base/Neutral Extractables - EPA 625.1
  - NY PCB - EPA 608.3 (2 Liter Ext)
  - Total PPB Metals - EPA 200.7/245.2

Sample ID	Time
WW-20200326-01-G-1000GTANK	1400
WW-20200326-02-G-880GTANK	1415
TRIP BLANK 20200326	0800

Well ID		Permanganate Present? Y/N
RIMW-11	(NE)	Not Checked
RIMW-05	(NW)	No
RIMW-08	(SE) (SE)	Not Checked
Background RIMW-02	(West)	No
Background RIMW-04	(East)	No
Background SB-MW-16	(North)	No
RIMW-09	(SE) (NW)	Not Checked

None In Basement

Rite in the Rain

Well ID	Permanganate Present (Y/N)
SBMW-10	No
SB-MW-15	Not Checked
SB-MW-14	(~~Sidewalk Closed~~ Added) NO
SB-MW-07	NO
BW-03	NO
BW-01	(~~Sidewalk Closed~~ Added) NO
RIBW-C	NO

1552 - A. daSilva Leaves Site To drop off Equipment @ office & then to Alpha

1700 - @ Alpha @ 1620 → Had to wait for Carrier due to dropoff location Being Locked up.

4/1 = 8hrs
4/2 = 4hrs 24 6hrs Kodak

* 5hrs

87.5

3/31/2020 Tues A. daSilva

0745 - A. daSilva on Site. Hands Filled oft manifest from LLC (M. Spratling) to Al's Maintence.
0800 ~~Soil~~ Dumpster offsite & Concrete Roll off dropped off.
0800 LLC on Site. A. daSilva sure they did not have 4-gas meter. A daSilva ordered one & grated A from Eco - Ready For Pick up @ 1000.
Mean while LLC Set up Saw, Mapped / Painted out Concrete Cuts; Set up Vents.
1000 - 4 gas on Site & LLC Starts cutting. All Vent Types did Not work. Ht. CO Levels too high to keep Saw on.
Additionally A. daSilva order CEMPS

Left Site @ 1545 after No Luck with vents or any materials on site to help vent

8hr

Rite in the Rain

wed.

4/1/2020 A.daSilva

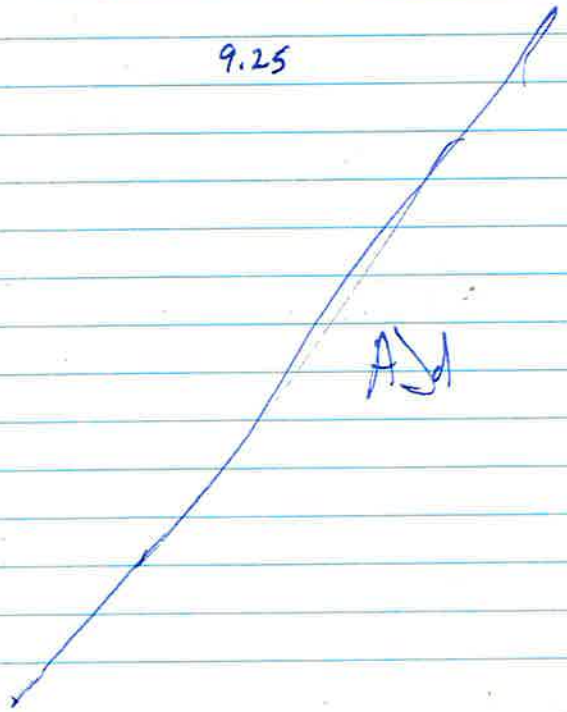
0700 - A.daSilva on Site & Set up CAMPS

0730 - LLC on Site w/ Rob Yarger.
Rob. helped figure out Venting & Cutting
Made huge Progress. Most of Concrete was
Removed and placed in Roll off. using
dingo & Jackhammer.

1000. Concrete Loaded via window to outside

1530 - Really good progress. most of Trench
was cut. LLC Cleaned up & left site @
1600

1615 - A.daSilva Leaves Site.



Thurs

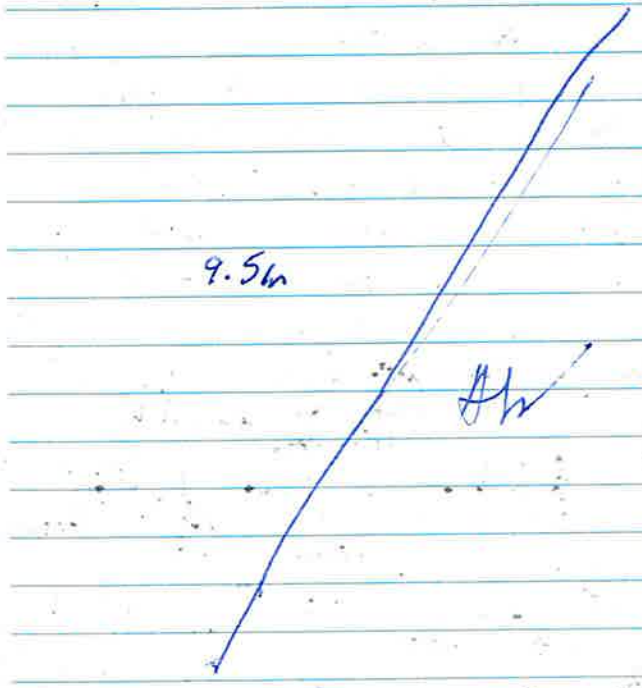
4/2/2020 A.daSilva

0645. A.daSilva @ Eco Rental for Hudson Ave Supplies

0700-0900 - A.daSilva on Hudson Ave Site

0800-0830 - A.daSilva @ office for Kodak Supplies

0830-1515 - A.daSilva @ Kodak for data. Camps &
4 gas meter where Set up on Site (Hudson) prior to
Leaving for Kodak. LLC was shown How & what
to Read on CAMPS + 4 gas meter prior to A.daSilva Leaving.



1530 - Close to All trench Concrete was Removed & Placed in
Rolloff.

153

1600 LLC Leaves Site

1615 A.daSilva Packs up CAMPS; Finishes Cleaning up & Leaves Site

Rite in the Rain

4/3/2020 40 Rain

-0645 - A. daSilva on Site & Setup Camps

0700 - LLC on Site for Trenching Concrete

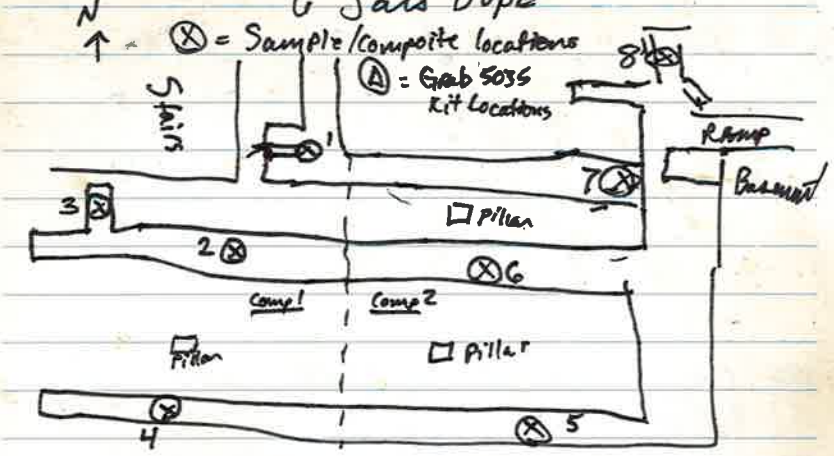
0720 - A. daSilva grabs water/air interface Probe from Eco.

0800 - A. daSilva back on Site

0900 - Pelychaty on Site

1000 - A. daSilva leaves for Alpha for Sample Mass.

1040 - A. daSilva back on Site - LLC is digging ~2 ft Below Concrete in 8 locations. The Trenches will be split into 2 Composite samples & 2 VOC grab Samples. 6 Jars per Comp + 6 Jars MS/MSD + 6 Jars DUPE



IW Trench Reuse-01-C-20200403 ; IW Trench Reuse-02-C-20200403

↳ MS/MSD

+ DUPE-C-20200403

~~DUPE-C-20200403~~

20200403

using work zone PID

Location	Depth (ft)	PID Reading ppm
1	1	2.5 ← #1
1	2.5	1.2
1	2	1
2	1	0.8
2	1.5	1.2
2	2	0.8
3	1	0.3
3	1.5	0.5
3	2	0.8
4	1.	0.3
4	1.5	0.4
4	2	0.4
5	1	1.3 ← #2
5	1.5	.9
5	2	.7
6	1	1.3
6	1.5	.5
6	2	.5
7	1	.7
7	1.5	.6
7	2	1.0
8	1	.6
8	1.5	.6
8	2	.5

Rite in the Rain.

1100 - A.daSilva Starts Sampling Process

1200 1230 - LLC Takes 20 min Lunch Break while A.daSilva Keeps Sampling to Stay on track w/ Alpha Pickup.

1200 - LLC Finished Removing all concrete from Trench area.

~~1250~~ 1250 - x LLC Hand Digs around all known Pipes & By Walls ~~with~~ Where Holes will be Drilled for both injection Pipes & Sump slab.

1400 LLC Lays down Poly & Starts Digging trenches x 2 LLC go to Shop & grab Scaffold.

1600 Scaffold is set up in Basement & holes are Starting to Be cored through for Gravity Feed Pipes. x 2 LLC working on trenches hand diggs to Depth around wells.

16 18 - Alpha Comes for Sample Pick up.
- LLC Secures North Enterance & Windows w/ Plywood.

1500 - A.daSilva got Calls from Jen Gotten; Mike Pelychaty; Dave Engert about Progress @ Site. LLC Spoke w/ Dave Engert.

1730 - off site

11 hr

4/4/2020 45°F Rain/Mist A.daSilva

0645 - A.daSilva on Site. & Sets up CAMPS. Gets GW Levels After.

Wells to be checked:

ID	GW Level ft	Product Y/N
RIMW-02	~ 0.75 ft	N
04	0.85 ft	N
05	~~~0.73 ft~~ 9.74'	N
08	~~Concrete on top~~ 6.75'	N
11	8.54'	N
12	Decom / Underground Ramp	
14	Decom	
15	Decom	
16-R	Permanent	
17	Decom	
18	Decom	
513-MW-04	Dumpster on top of	
07	9.86	
10	7.04'	N
14	7.95'	N
15	9.28'	N
~~SB MW 16~~	~ 0.73 ft	N
RIMW3-A	Decom	
B	12.72'	N
C	9.54'	N
D	~~6.75'~~ 6.76'	N ~~~20.41'~~ Dirt on Top Buried
BW-01	9.52'	N
02	13.53'	N
03		

Rain in the Rain

930 - Mike P. on Site. Tallies with Josh & helps dictate Strategy
- Sand is Spiked

AJdS

11-1130 - Possible High workzone PID Readings of ~ 5-7 ppm from Plumbers glue.

1200 - Trenched Center with Batteries on Mini dried
- Hand dug near Stair case wall for sub-slab install

1415 - Cored full Length of Core bit into footer, no exit on other side.

1430 - Left Site

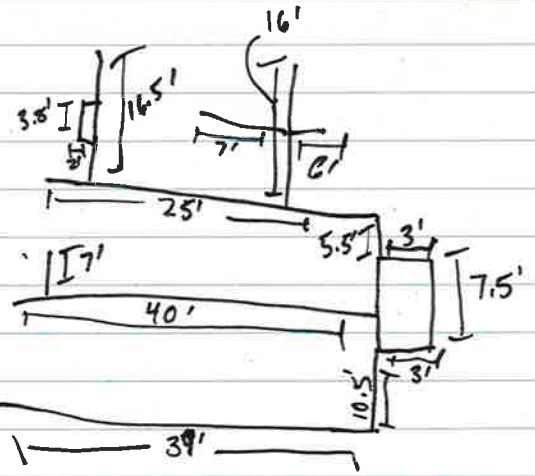
* NOTE: Pipe Glue throughout day attributed to workzone PID Spikes. Soil Screened Did not Exceed .5 ppm.

4/6/2020 Monday

0700 - A. deSilva on site

0715 - Set up CAMPS for background.

N



1.60 - 1.8' widths

2 ~ ~~349.6~~ 201.1 Linear Feet = Rough calculation for Dave Engert (LLC)

0730 - LLC (Armon + ICT) on Site

0740 - Rob Yarger on Site.
↳ ICT + Armon Start Hammering out Trench footers to allow Pipe to Run through.

0745 - A. deSilva Spoke with Mike Spratling & Andy B. (LLC). They were getting a trailer ready to grab the 1" Pipe from drop off location.
- Rob Yarger Starting to Set up (Level, depth Etc.) for Pipe install

Rite in the Rain

0835- Dust Levels inside were starting to elevate. A. da Silva opened 2 windows on South Side & main door on Site to Vent Dust. Armon Watered down Concrete that was being hammered to Reduce dust.

0920- Pipe on Site

0935- Armon is Coring deeper in Stairwell Concrete Slab to try & get through

0940- Note There are Peaks on Work Zone PID From this time through Rest of day due to Spray Paint & Pipe Glue. @ 1045 No new Soil Excavated

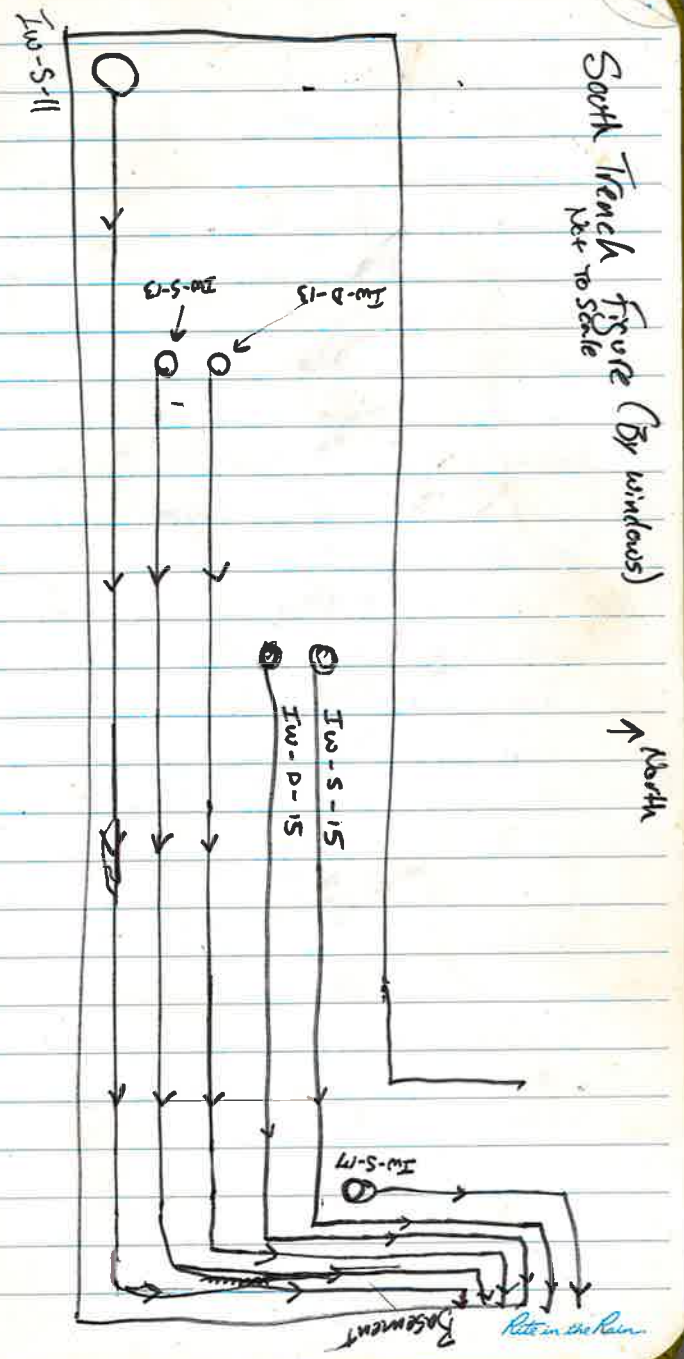
* NOTE: Pipe Glue through out day appeared to Set off Work Zone PID. Soil Screened did not Spike PID over 5ppm.

AJd

1545- Leaves Site

8.75hr

South Trench Figure (By windows)
Not to Scale



4/7/2020 Sunny 50°F A. daSilva

0700 - A. daSilva arrives on site.
- Calls Mr. Polychaty to figure out Soil.

730 - LLC on site.

0800 - Note: Many times throughout the day the Plumbers & Isabella LLC will be using PVC Pipe Glue which when opened or applied gives off strong odors. This may cause spike in PID. Additionally Soil was screened that got removed from trench.

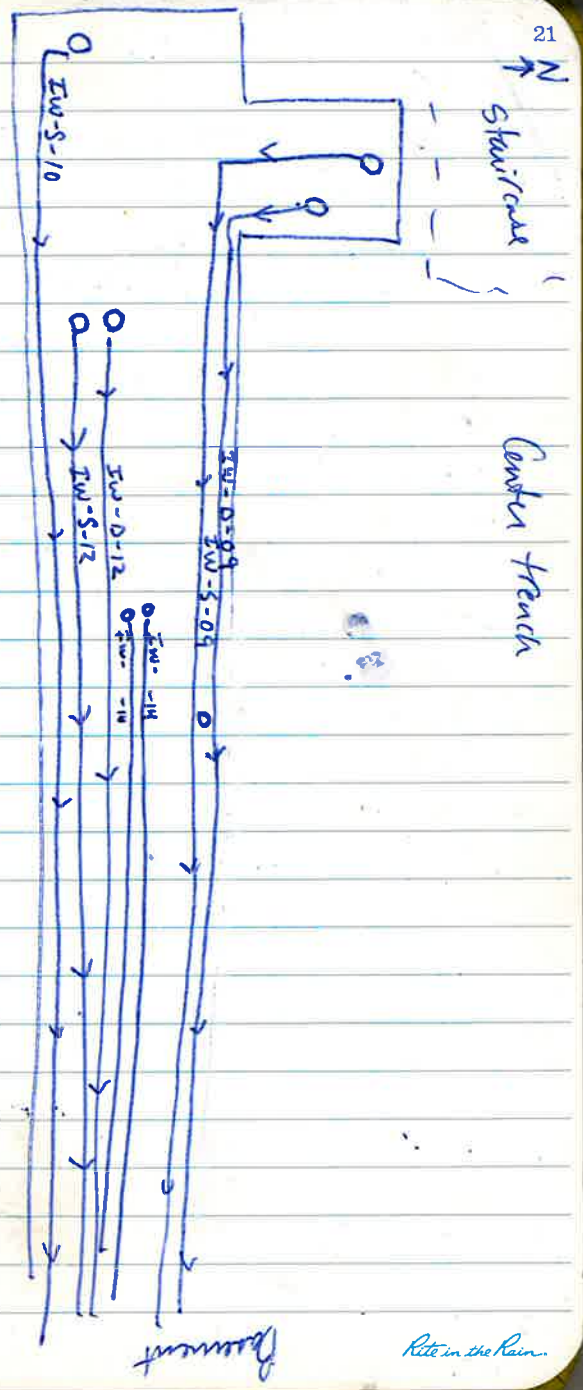
1500 - Soil that was screen throughout day did not exceed 5ppm via Work Zone PID. All Exceedence of PID came from PVC Glue. All accessible windows & Doors were opened to help vent PVC glue odors.

1510 - LLC Cleaned up & left site

1530 - A. daSilva Leaves site

↳ Note: Concrete dumpster switched/removed & Soil dumpster on site.

(+) Pipe Glue throughout day set off work zone PID. Soil screened did not produce high (8.5hr) PID Readings.



Rite in the Rain.

N ↑

800 - 264 = 536

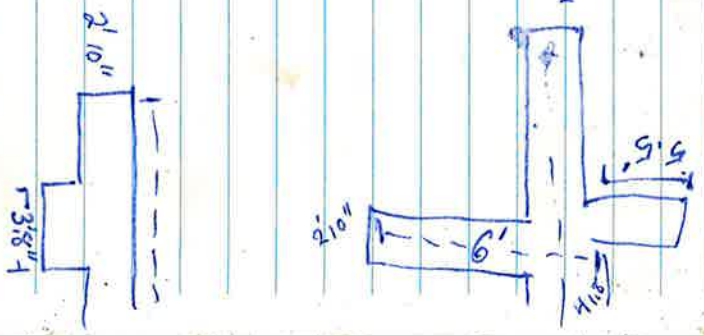
20' x 12

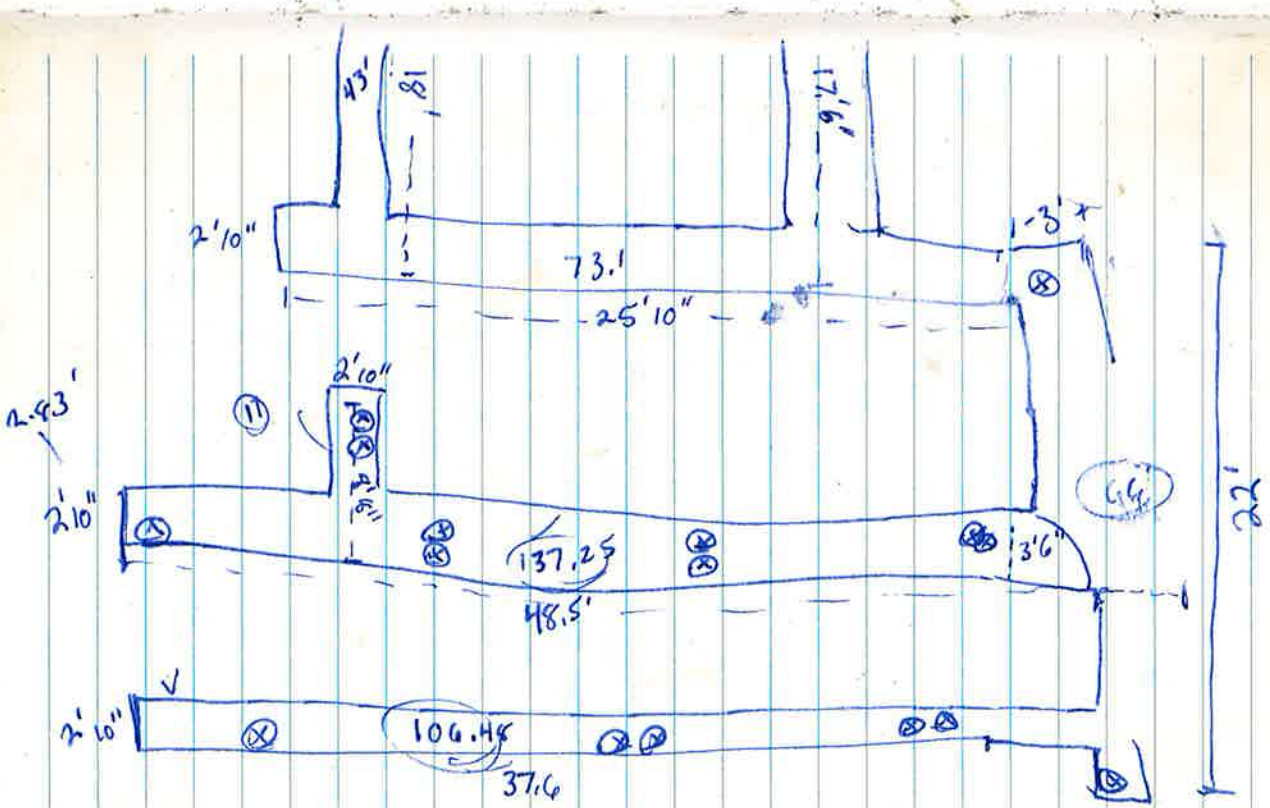
+ 24'

⊗ = Completed wall

+ 106.5
+ 137.25
+ 64
+ 17
+ 73.1
+ 43'
7.6
41.5
-17
-5.5

524.82 sq ft
6" thick
263
= 9.741 cu yd of concrete





4/8/2020 50°F Cloudy A. daSilva

0700 - A. daSilva on Site & Sets up CAMS. One outside main Door way and one inside workzone

0730 - LLC on Site & starts to Connect Pipes for SSD System & treatment (injection) System

0740 - Dingo Gets Replaced By Bobcat. Apparent Faulty track (clinching)

- Paused - Tomorrow & Friday

Mon.

→ NOTE : Pipe Glue for System appears to Spike PID

1200 - A. daSilva Dropped off Samples to Paradigm.

TCLP VOC → EW-

TCLP SVOC WC-IWTrench-01-C-20200408

TCLP Metals

pH

Flashpoint (14hr)

Reactive Cyanide & Sulfate.

39.5

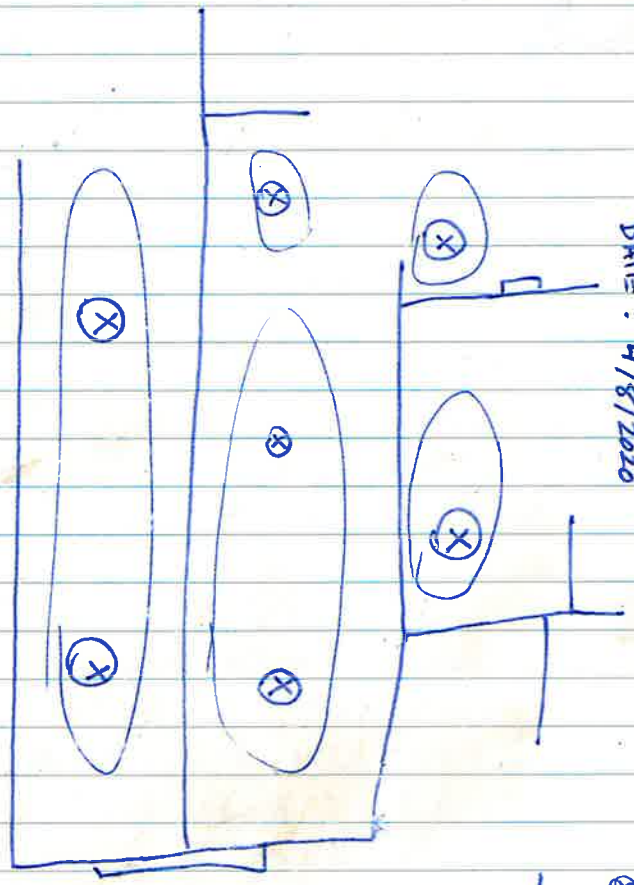
6.5hr
- 30 - 8.75 — 7 - 8.5
- 31 - 8 — 8 - 8.5
- 1 - ~~9.25~~ — 9 - ~6
- 2 - ~~10~~ ~~9.5~~ 9.5
- 3 - 11

1538

4 - 7.75

8.5hr 5 ~ Sunday

6 - 8.75



4/9 & 4/10 → Both days = No Soil Moved or Removed. A. daSilva Not on Site with Canals.

Rite in the Rain.

4/13/2020 60° Rain A. daSilva

0700 - A. daSilva on site. & Sets up Doorway Camp outside of North East door & work zone Camp (within the work zone). Both CAMPS Have a PID & Dust TRAK.

Today's Goal - Vaccum out Soil ~~in area~~ around trenches using Vac truck & move Soil to Poly Sheeted Roll off.

0730 - LaBella LLC on site. They layed poly for Soil & in Rolloffs Masks for COVID are on Bowdon Company Request. LLC Breaks up Soil and Pads up window in South West Corner in Preparations for Vac Truck (National Vac). Tile is Scattered in Trench Ready to be buried.

0830 - National Vac Not on Site. They were suppose to Be here by 0800.

0945 - National Vac Spoke w/ Mike Spratling (LLC) and Said they won't dump in the Rain & W/o a Covered Rolloff. A. daSilva informed M. Pelychaty & Rob Yarger. Waiting on further instructions @ 1005.

1300 - Off site

Pea Stone Calculation

~20 inches of Pea Stone depth

Area = 524.82 ft²

↑ from 4/1/2020

75,574.08 in²

× 20 in

1,511,481 = 874.7 ft³ of Pea Stone

↳ Yd³

Concrete Truck instead of Slinger

489.43'

488.43'

Rite in the Rain

4/14/2020 45°F Sun. A. da Silva

0645 - onsite A. da Silva Sets up CAMPS & sets up for Vac Truck (National Vac)

0700 - LaBella LLC on Site

0715 - National Vac on Site. Mike Spratling gives the Vac persons a Briefing as to what is needed on the Site.

0745 - Vacing Begins on Soil. Rob Yaeger on Site. Tubing keeps clogging with Silt & Clay. This is a very slow process

1100 - (1) one Soil pile Dumped on poly next to Roll off to add to Roll off.

12[illegible]. Vaccuming Soil is a very slow process. We need to Back up Soil & Vacuum Slowly. If vac too fast, then the Silty clay will clog lines / tube.
Vaccumm Comes in through Front Door to avoid damage to windows Since window were Put in prior to us finishing.

1430 - National Vac Dumps Soil on Poly & LLC Puts it into Roll off Via Skidsteer.

1500 - A. da Silva Cleans up all windows & Paving Equipment. CAMPS taken Down.

1530 - off Site

4/15/2020 50°F Sun A. da Silva

0645 - A. da Silva on Site. Preps for Field work.
A. da Silva takes off Down Plywood

1200 - Dumpsters swapped for Empty: Empty
Dumster poly lined & Rest of Soil from Trenches put in it.

1415 - Pea Gravel dropped at Site. No Way

1500 - off Site

Rite in the Rain.

4/16/2020 A. da Silva

0830 - 0900 - A. da Silva on Site to check on Progress

0600 - 0700 - A. da Silva down loads Data & Returns Equipment to Eco.

KODAK

0900 → @ KODAK for Data

1245 - Left Kodak

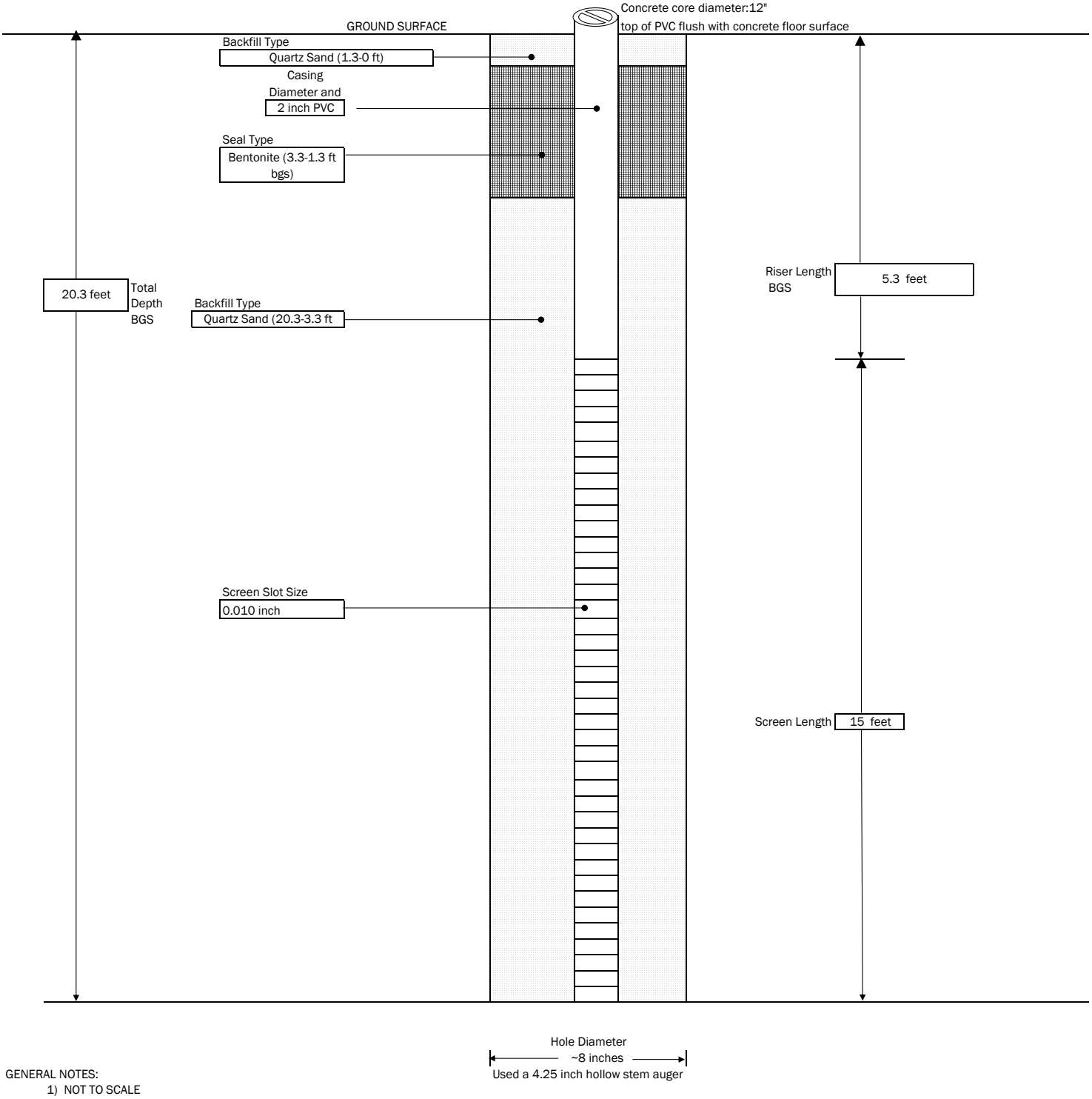
1500 - on Site Hudson Ave

Left Site

Rite in the Rain

Well Construction Logs

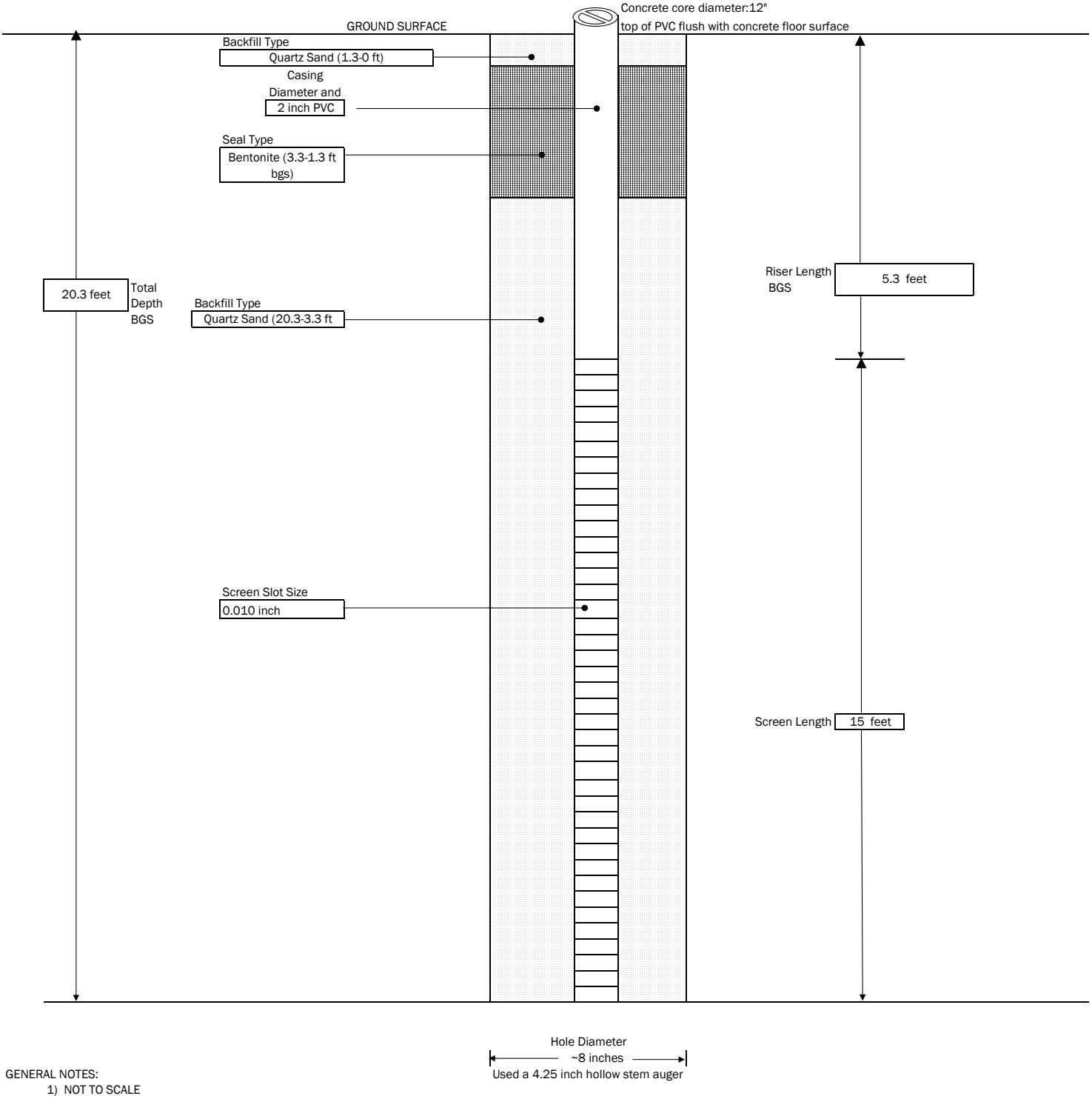
LaBella Powered by partnership. 300 STATE STREET, ROCHESTER, NEW YORK ENVIRONMENTAL ENGINEERING CONSULTANTS	**PROJECT** PROJECT NAME: Former Jefferson Wollensack Optical LOCATION: 872 and 886 Hudson Avenue, Rochester NY	**Injection Well:** IW-S-01 **SHEET: 1 of 1** **JOB # 2182207**
CONTRACTOR: Nothnagle Drilling DRILLER: Kevin LABELLA REPRESENTATIVE: A. daSilva	BORING LOCATION: North Eastern most well GROUND SURFACE ELEVATION: NA DATUM: NA START DATE: 1/21/2020 END DATE: 1/21/2020	TYPE OF DRILL RIG: Diedrich D25 AUGER SIZE AND TYPE: 4.25" Hollow Stem Auger OVERBURDEN SAMPLING METHOD: NA



GENERAL NOTES:

1) NOT TO SCALE
2) DEPTHS ARE APPROXIMATE

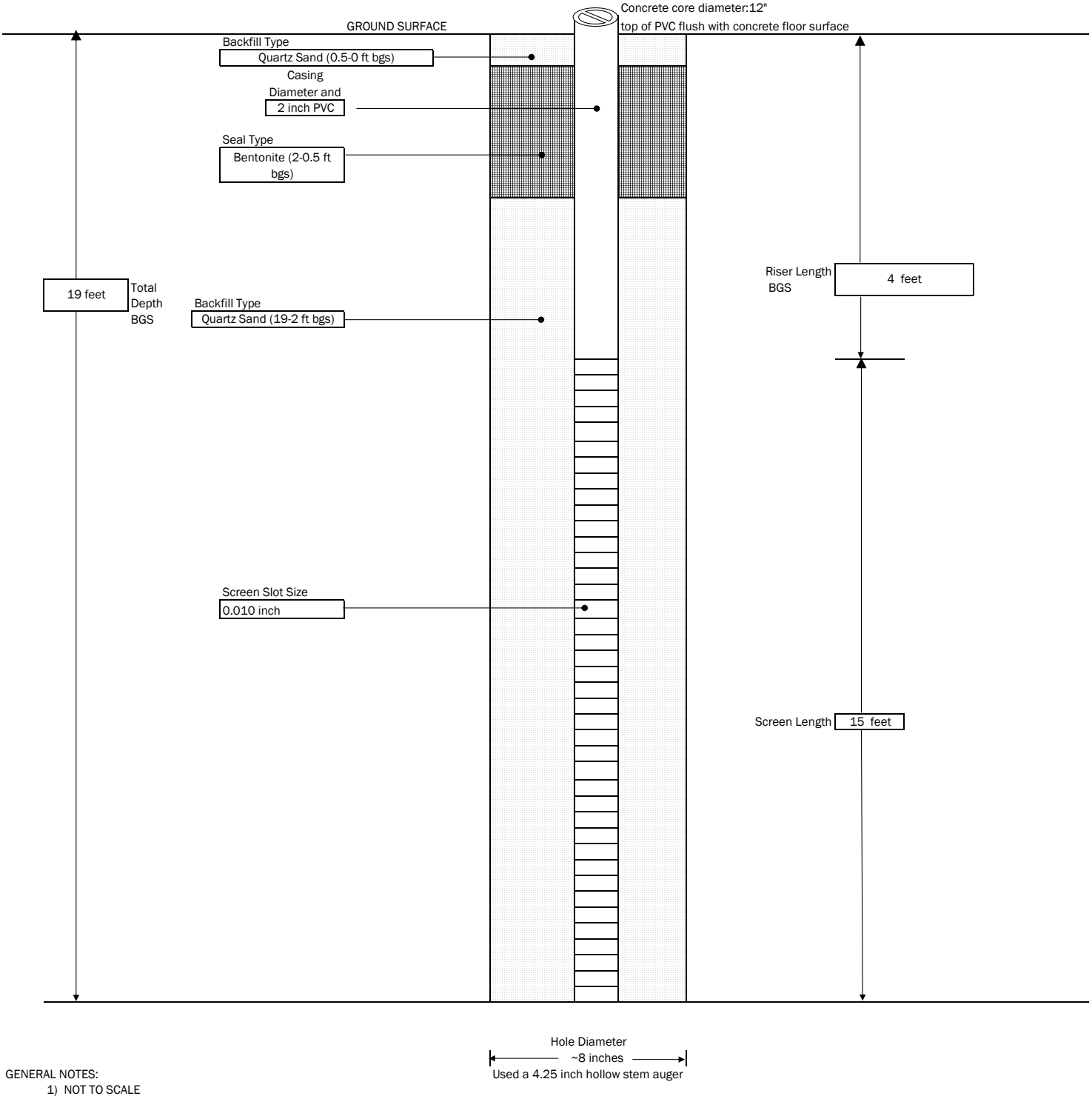
LaBella Powered by partnership. 300 STATE STREET, ROCHESTER, NEW YORK ENVIRONMENTAL ENGINEERING CONSULTANTS	**PROJECT** PROJECT NAME: Former Jefferson Wollensack Optical LOCATION: 872 and 886 Hudson Avenue, Rochester NY	**Injection Well:** IW-S-02 **SHEET: 1 of 1** **JOB # 2182207**
CONTRACTOR: Nothnagle Drilling DRILLER: Kevin LABELLA REPRESENTATIVE: A. daSilva	BORING LOCATION: North Western most well GROUND SURFACE ELEVATION: NA DATUM: NA START DATE: 1/22/2020 END DATE: 1/22/2020	TYPE OF DRILL RIG: Diedrich D25 AUGER SIZE AND TYPE: 4.25" Hollow Stem Auger OVERBURDEN SAMPLING METHOD: NA



GENERAL NOTES:

1) NOT TO SCALE
2) DEPTHS ARE APPROXIMATE

LaBella Powered by partnership. 300 STATE STREET, ROCHESTER, NEW YORK ENVIRONMENTAL ENGINEERING CONSULTANTS	**PROJECT** PROJECT NAME: Former Jefferson Wollensack Optical LOCATION: 872 and 886 Hudson Avenue, Rochester NY	**Injection Well:** IW-S-03 **SHEET: 1 of 1** **JOB # 2182207**
CONTRACTOR: Nothnagle Drilling DRILLER: Kevin LABELLA REPRESENTATIVE: A. daSilva	BORING LOCATION: about 5 ft east of staircase door. GROUND SURFACE ELEVATION: NA DATUM: NA START DATE: 1/23/2020 END DATE: 1/23/2020	TYPE OF DRILL RIG: Diedrich D25 AUGER SIZE AND TYPE: 4.25" Hollow Stem Auger OVERBURDEN SAMPLING METHOD: NA



GENERAL NOTES:

1) NOT TO SCALE
2) DEPTHS ARE APPROXIMATE

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300 STATE STREET, ROCHESTER, NEW YORK
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT

PROJECT NAME: Former Jefferson Wollensack Optical
LOCATION: 872 and 886 Hudson Avenue, Rochester NY

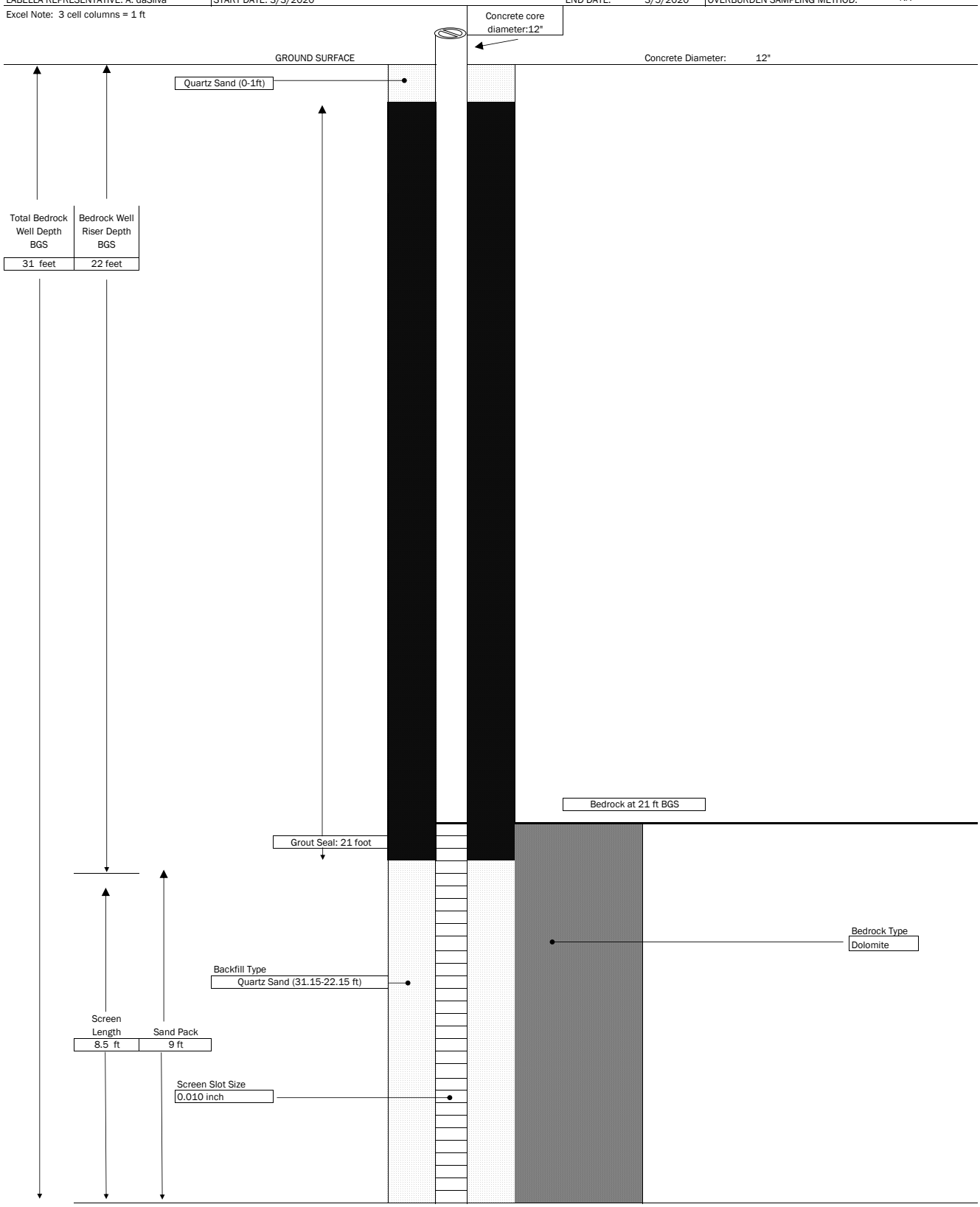
Injection Well: IW-D-03

SHEET: 1 of 1

JOB # 2182207

CONTRACTOR: Nothnagle Drilling	BORING LOCATION: 2 feet North of IW-S-03	TYPE OF DRILL RIG: Diedrich D25
DRILLER: Kevin	GROUND SURFACE ELEVATION: NA DATUM: NA	AUGER SIZE AND TYPE: 4.25" Hollow Stem Auger
LABELLA REPRESENTATIVE: A. daSilva	START DATE: 3/3/2020 END DATE: 3/5/2020	OVERBURDEN SAMPLING METHOD: NA

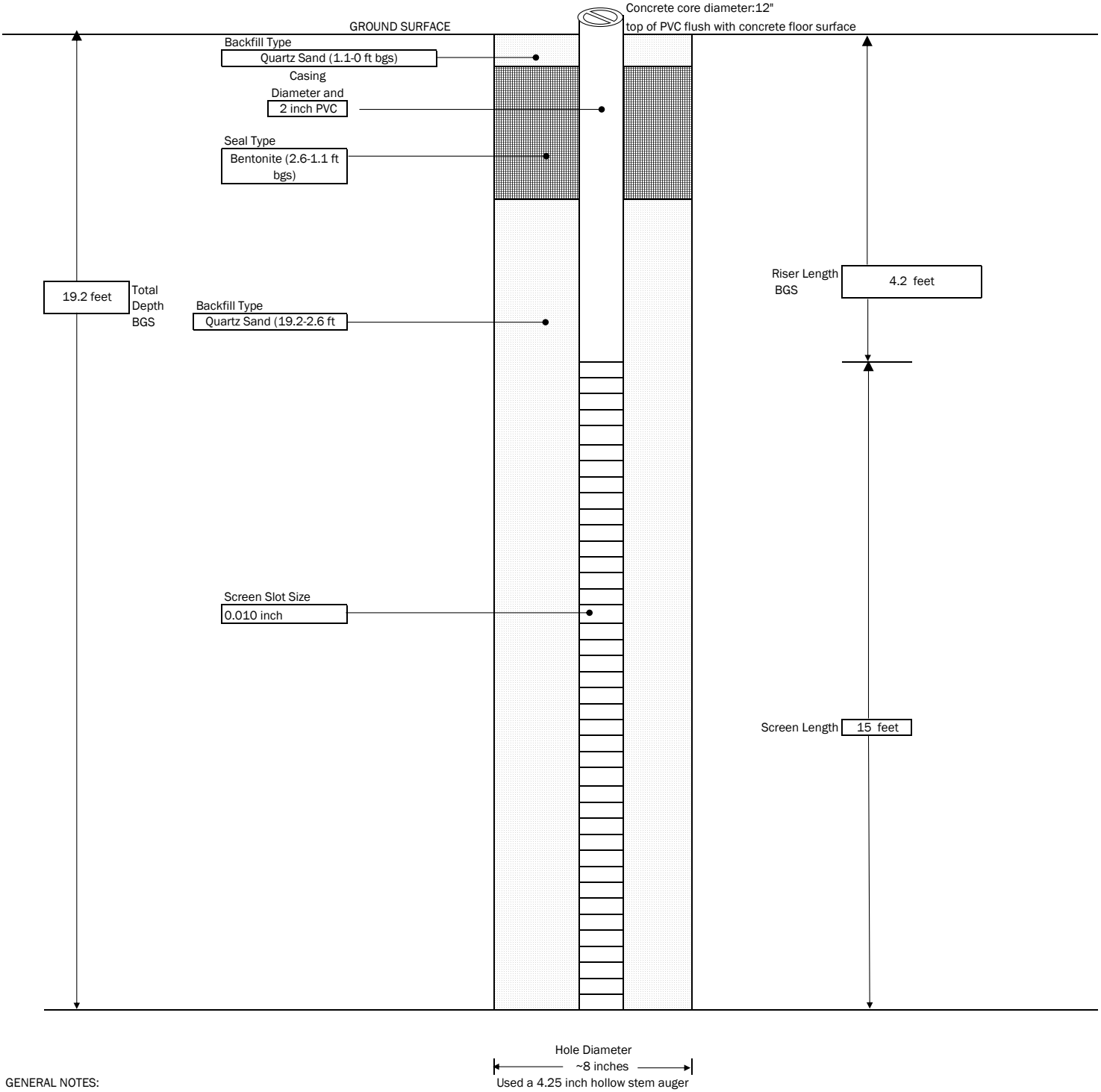
Excel Note: 3 cell columns = 1 ft



GENERAL NOTES:

1) NOT TO SCALE
2) DEPTHS ARE APPROXIMATE

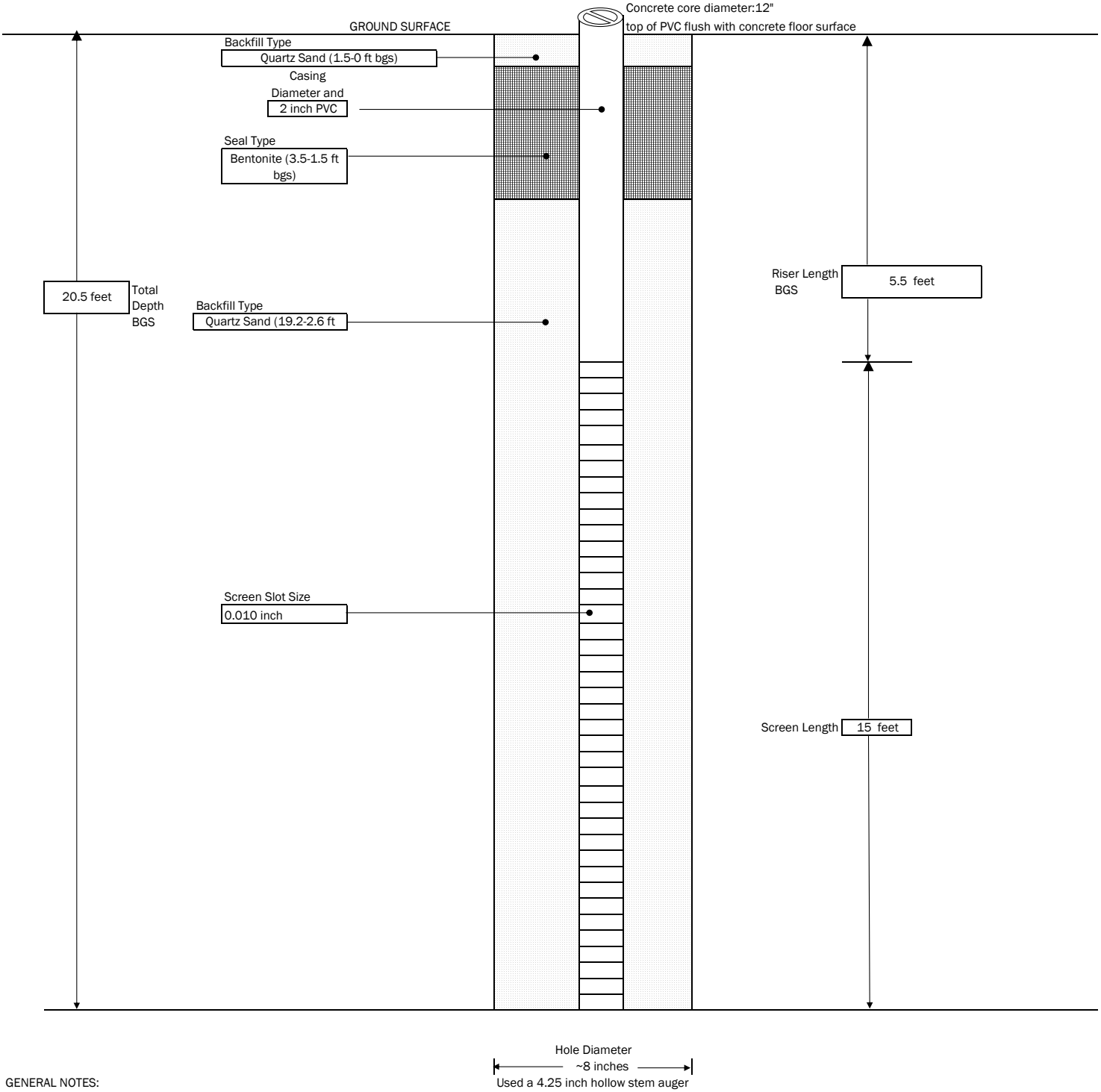
LaBella Powered by partnership. 300 STATE STREET, ROCHESTER, NEW YORK ENVIRONMENTAL ENGINEERING CONSULTANTS	**PROJECT** PROJECT NAME: Former Jefferson Wollensack Optical LOCATION: 872 and 886 Hudson Avenue, Rochester NY	**Injection Well:** IW-S-04 **SHEET: 1 of 1** **JOB # 2182207**
CONTRACTOR: Nothnagle Drilling DRILLER: Kevin LABELLA REPRESENTATIVE: A. daSilva	BORING LOCATION: East of IW-S-03 GROUND SURFACE ELEVATION: NA DATUM: NA START DATE: 1/24/2020 END DATE: 1/24/2020	TYPE OF DRILL RIG: Diedrich D25 AUGER SIZE AND TYPE: 4.25" Hollow Stem Auger OVERBURDEN SAMPLING METHOD: NA



GENERAL NOTES:

1) NOT TO SCALE
2) DEPTHS ARE APPROXIMATE

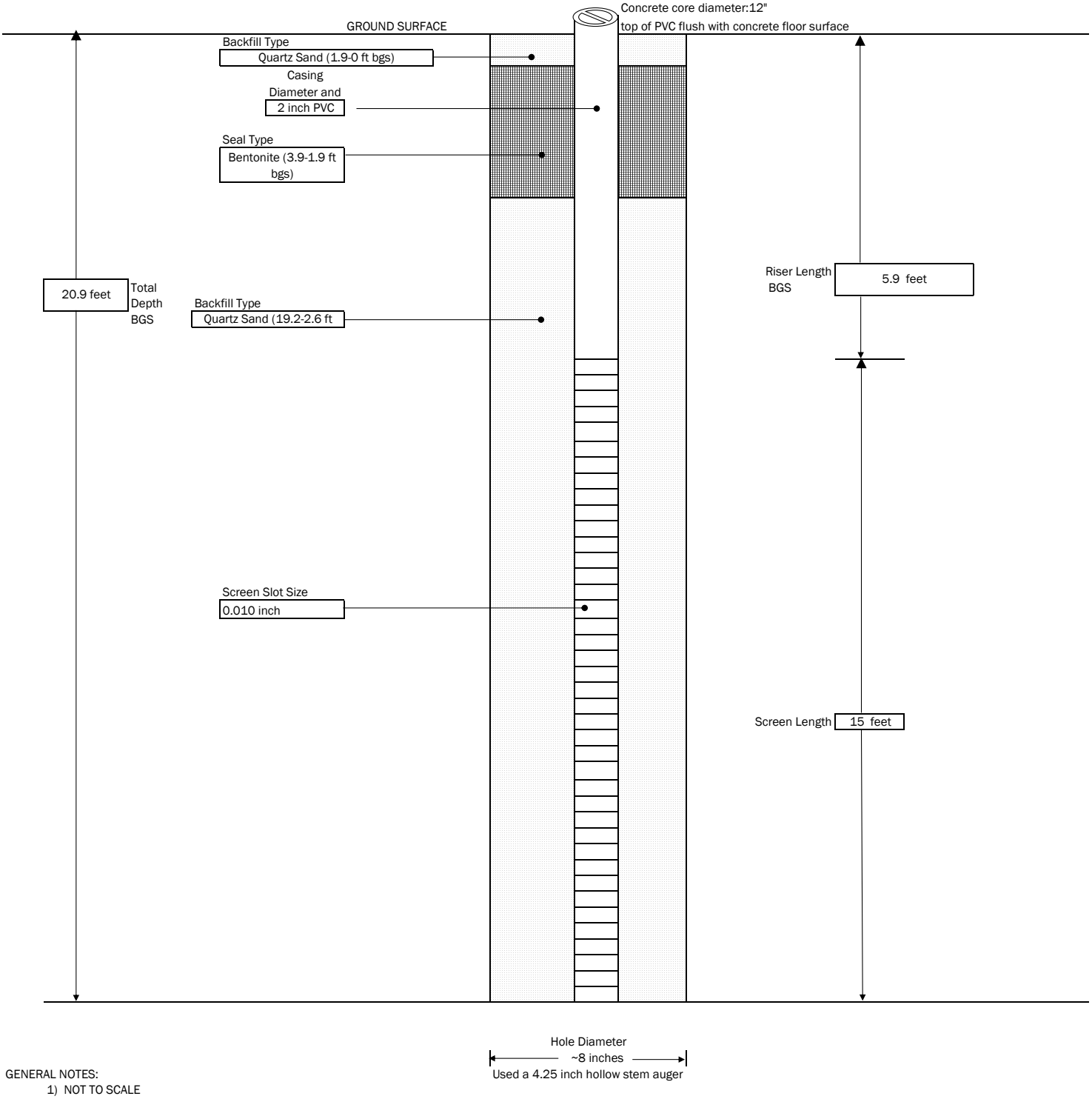
LaBella Powered by partnership. 300 STATE STREET, ROCHESTER, NEW YORK ENVIRONMENTAL ENGINEERING CONSULTANTS	**PROJECT** PROJECT NAME: Former Jefferson Wollensack Optical LOCATION: 872 and 886 Hudson Avenue, Rochester NY	**Injection Well:** IW-S-05 **SHEET: 1 of 1** **JOB # 2182207**
CONTRACTOR: Nothnagle Drilling DRILLER: Kevin LABELLA REPRESENTATIVE: A. daSilva	BORING LOCATION: East of IW-S-04 GROUND SURFACE ELEVATION: NA DATUM: NA START DATE: 1/24/2020 END DATE: 1/24/2020	TYPE OF DRILL RIG: Diedrich D25 AUGER SIZE AND TYPE: 4.25" Hollow Stem Auger OVERBURDEN SAMPLING METHOD: NA



GENERAL NOTES:

1) NOT TO SCALE
2) DEPTHS ARE APPROXIMATE

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CONTRACTOR: Nothnagle Drilling DRILLER: Kevin LABELLA REPRESENTATIVE: A. daSilva	BORING LOCATION: South of IW-S-05 GROUND SURFACE ELEVATION: NA DATUM: NA START DATE: 1/27/2020 END DATE: 1/27/2020	TYPE OF DRILL RIG: Diedrich D25 AUGER SIZE AND TYPE: 4.25" Hollow Stem Auger OVERBURDEN SAMPLING METHOD: NA



GENERAL NOTES:

1) NOT TO SCALE
2) DEPTHS ARE APPROXIMATE

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ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT

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LOCATION: 872 and 886 Hudson Avenue, Rochester NY

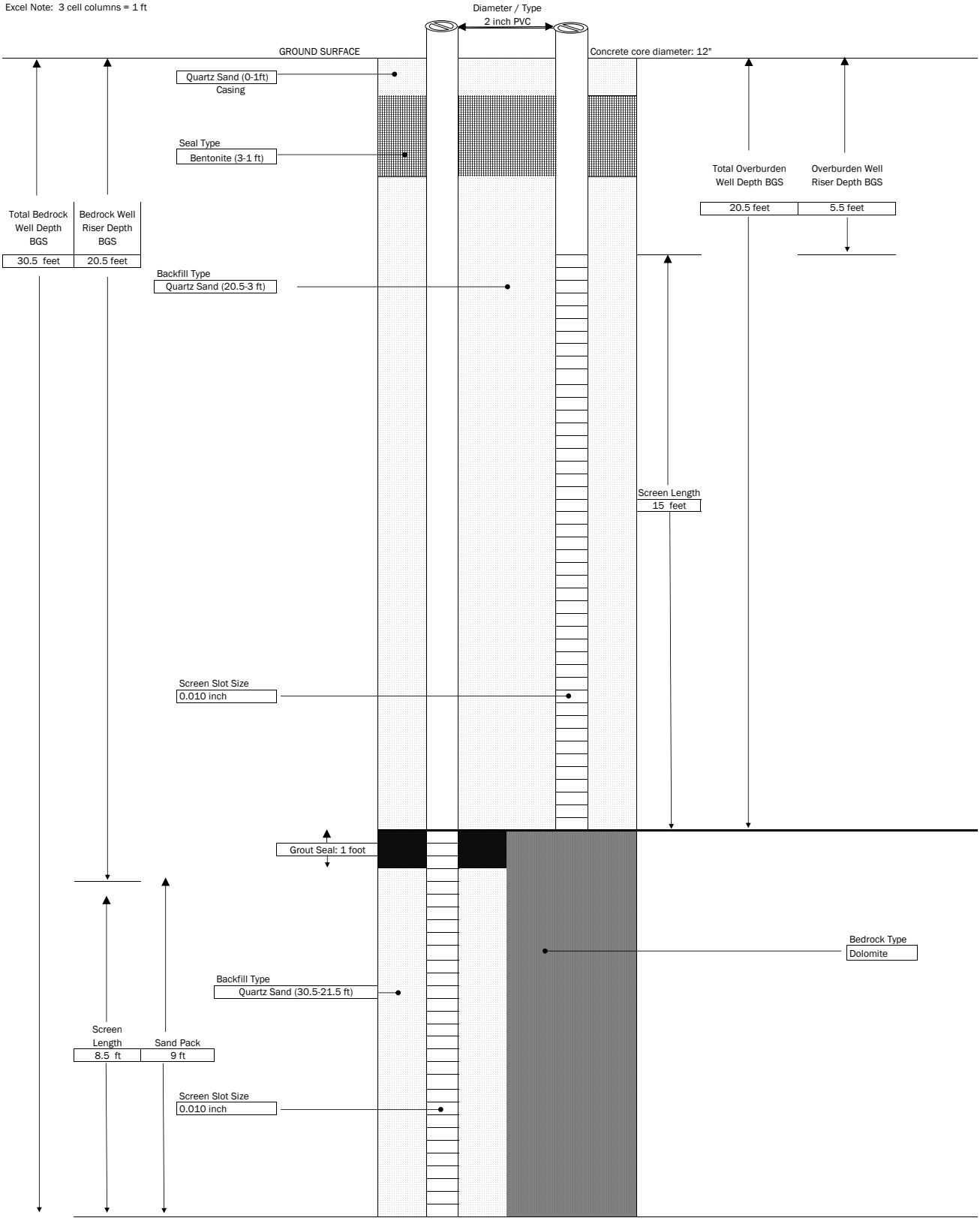
Injection Well: IW-S-07/IW-D-07

SHEET: 1 of 1

JOB # 2182207

CONTRACTOR: Nothnagle Drilling	BORING LOCATION: West of IW-S-06	TYPE OF DRILL RIG: Diedrich D25
DRILLER: Kevin	GROUND SURFACE ELEVATION: NA DATUM: NA	AUGER SIZE AND TYPE: 6.25 " Hollow Stem Auger
LABELLA REPRESENTATIVE: A. daSilva	START DATE: 1/29/2020 END DATE: 1/29/2020	OVERBURDEN SAMPLING METHOD: NA

Excel Note: 3 cell columns = 1 ft



GENERAL NOTES:
1) NOT TO SCALE
2) DEPTHS ARE APPROXIMATE

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ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT

PROJECT NAME: Former Jefferson Wollensack Optical
LOCATION: 872 and 886 Hudson Avenue, Rochester NY

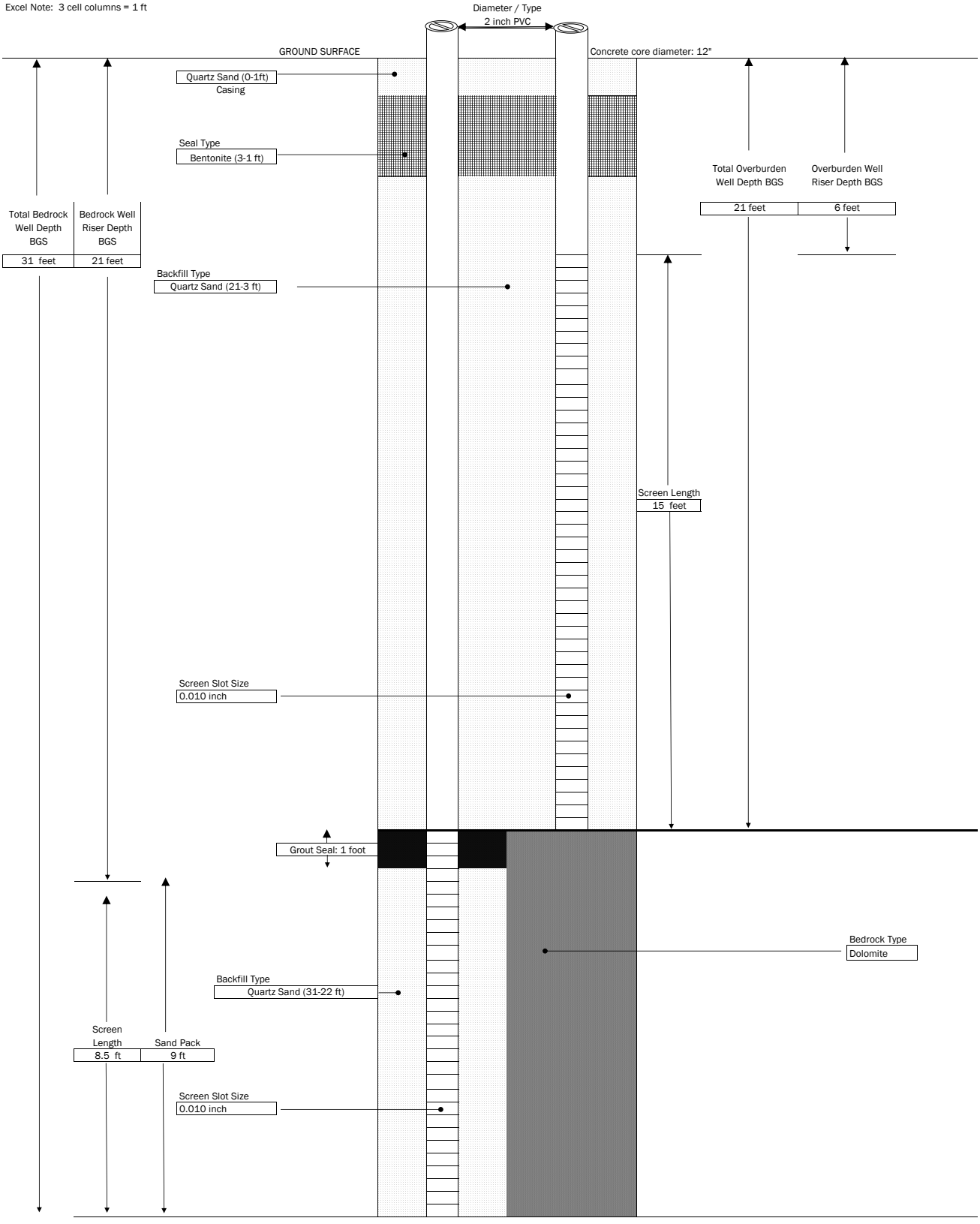
Injection Well: IW-S-08/IW-D-08

SHEET: 1 of 1

JOB # 2182207

CONTRACTOR: Nothnagle Drilling	BORING LOCATION: West of IW-S-07/IW-D-07	TYPE OF DRILL RIG: Diedrich D25
DRILLER: Kevin	GROUND SURFACE ELEVATION: NA DATUM: NA	AUGER SIZE AND TYPE: 6.25 " Hollow Stem Auger
LABELLA REPRESENTATIVE: A. daSilva	START DATE: 1/30/2020 END DATE: 1/31/2020	OVERBURDEN SAMPLING METHOD: NA

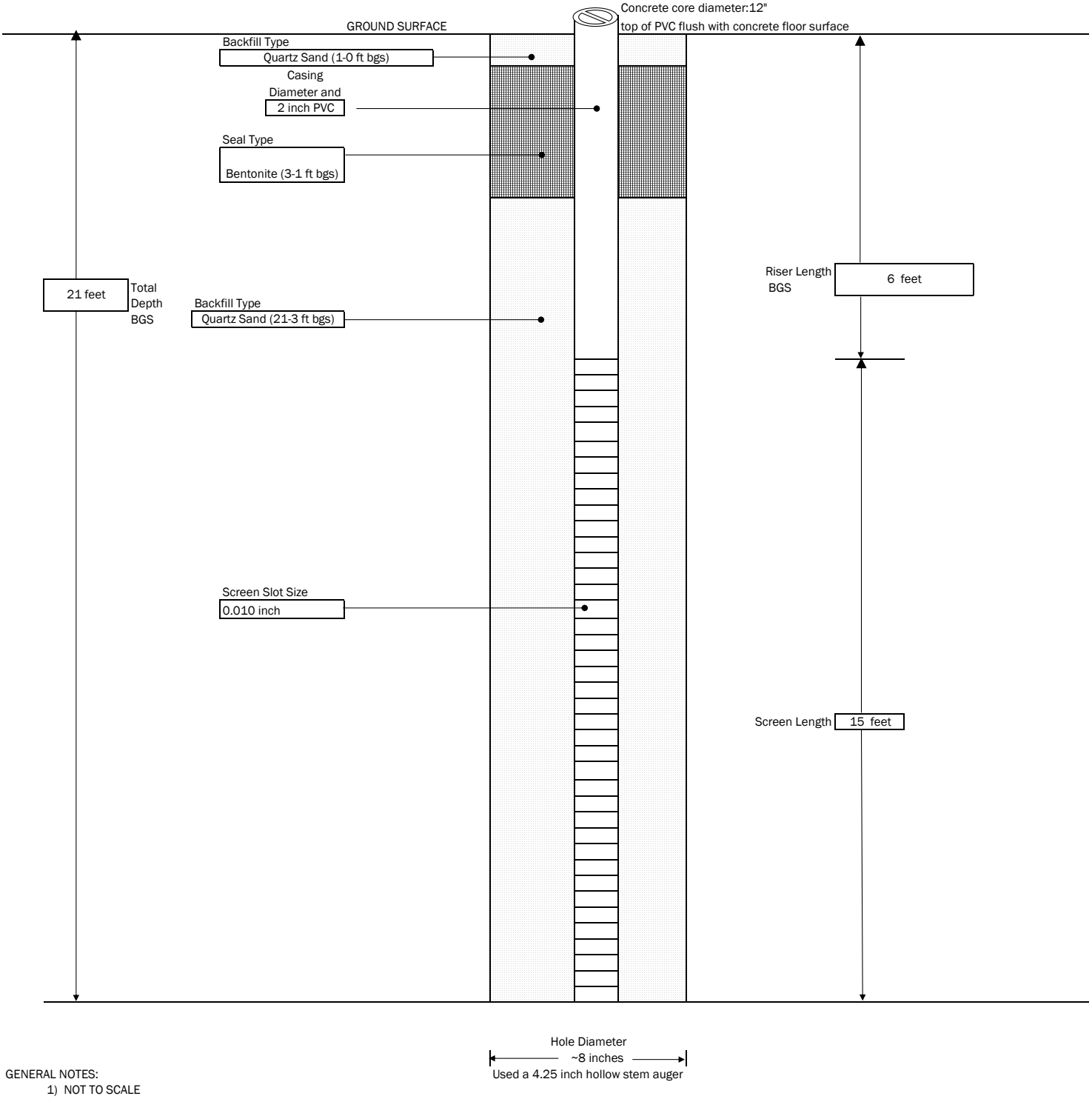
Excel Note: 3 cell columns = 1 ft



GENERAL NOTES:

1) NOT TO SCALE
2) DEPTHS ARE APPROXIMATE

LaBella Powered by partnership. 300 STATE STREET, ROCHESTER, NEW YORK ENVIRONMENTAL ENGINEERING CONSULTANTS	**PROJECT** PROJECT NAME: Former Jefferson Wollensack Optical LOCATION: 872 and 886 Hudson Avenue, Rochester NY	**Injection Well:** IW-S-09 **SHEET: 1 of 1** **JOB # 2182207**
CONTRACTOR: Nothnagle Drilling DRILLER: Kevin LABELLA REPRESENTATIVE: A. daSilva	BORING LOCATION: 2ft south of staircase room GROUND SURFACE ELEVATION: NA DATUM: NA START DATE: 2/3/2020 END DATE: 2/4/2020	TYPE OF DRILL RIG: Diedrich D25 AUGER SIZE AND TYPE: 4.25" Hollow Stem Auger OVERBURDEN SAMPLING METHOD: NA



GENERAL NOTES:

1) NOT TO SCALE
2) DEPTHS ARE APPROXIMATE

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300 STATE STREET, ROCHESTER, NEW YORK
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT

PROJECT NAME: Former Jefferson Wollensack Optical
LOCATION: 872 and 886 Hudson Avenue, Rochester NY

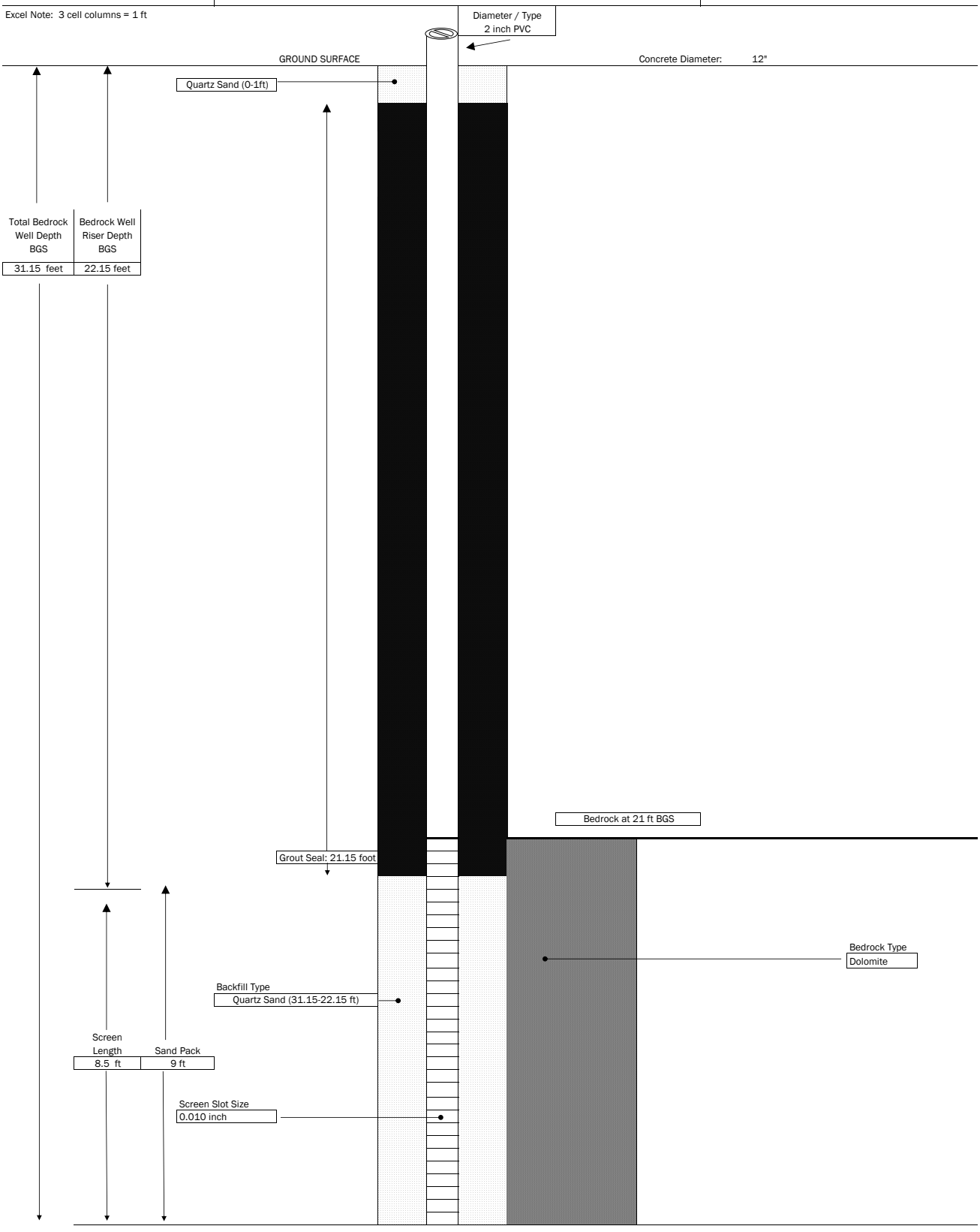
Injection Well: IW-D-09

SHEET: 1 of 1

JOB # 2182207

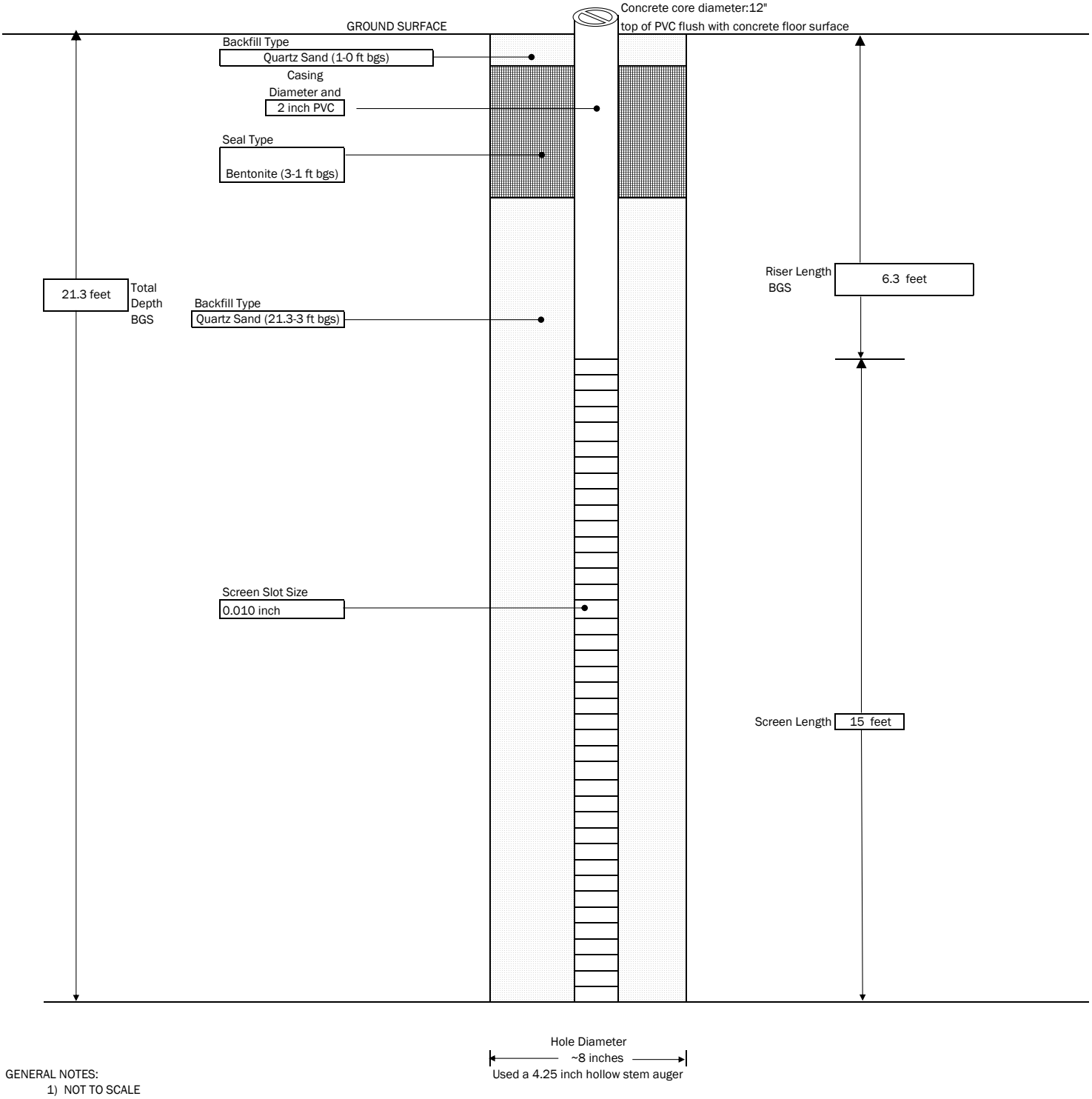
CONTRACTOR: Nothnagle Drilling	BORING LOCATION: 2 feet south of IW-S-09	TYPE OF DRILL RIG: Diedrich D25
DRILLER: Kevin	GROUND SURFACE ELEVATION: NA DATUM: NA	AUGER SIZE AND TYPE: 4.25" Hollow Stem Auger
LABELLA REPRESENTATIVE: A. daSilva	START DATE: 2/28/2020 END DATE: 3/2/2020	OVERBURDEN SAMPLING METHOD: NA

Excel Note: 3 cell columns = 1 ft



GENERAL NOTES:
1) NOT TO SCALE
2) DEPTHS ARE APPROXIMATE

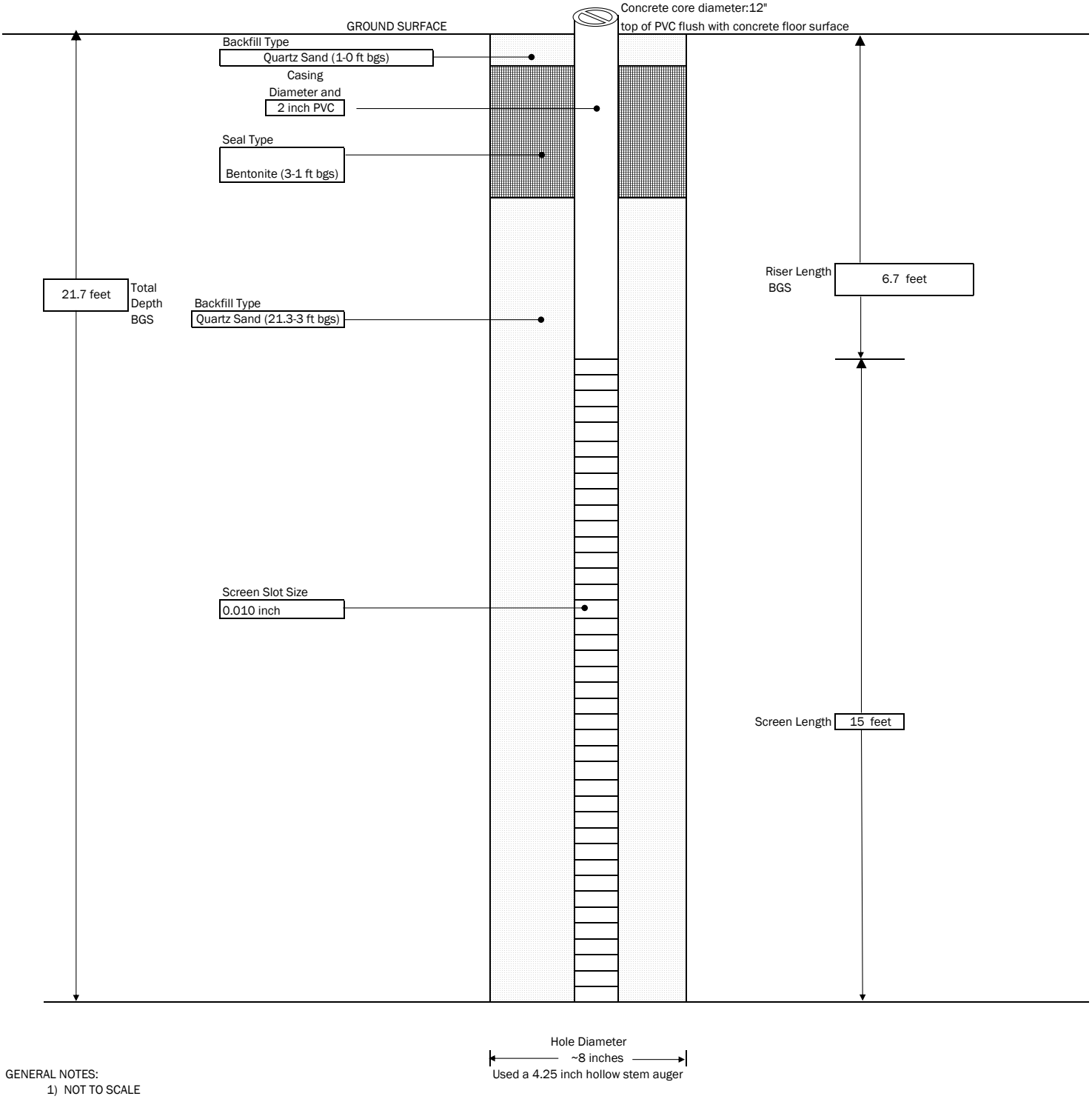
LaBella Powered by partnership. 300 STATE STREET, ROCHESTER, NEW YORK ENVIRONMENTAL ENGINEERING CONSULTANTS	**PROJECT** PROJECT NAME: Former Jefferson Wollensack Optical LOCATION: 872 and 886 Hudson Avenue, Rochester NY	**Injection Well:** IW-S-10 **SHEET: 1 of 1** **JOB # 2182207**
CONTRACTOR: Nothnagle Drilling DRILLER: Kevin LABELLA REPRESENTATIVE: A. daSilva	BORING LOCATION: South of IW-S-09 GROUND SURFACE ELEVATION: NA DATUM: NA START DATE: 2/4/2020 END DATE: 2/5/2020	TYPE OF DRILL RIG: Diedrich D25 AUGER SIZE AND TYPE: 4.25" Hollow Stem Auger OVERBURDEN SAMPLING METHOD: NA



GENERAL NOTES:

1) NOT TO SCALE
2) DEPTHS ARE APPROXIMATE

LaBella Powered by partnership. 300 STATE STREET, ROCHESTER, NEW YORK ENVIRONMENTAL ENGINEERING CONSULTANTS	**PROJECT** PROJECT NAME: Former Jefferson Wollensack Optical LOCATION: 872 and 886 Hudson Avenue, Rochester NY	**Injection Well:** IW-S-11 **SHEET: 1 of 1** **JOB # 2182207**
CONTRACTOR: Nothnagle Drilling DRILLER: Kevin LABELLA REPRESENTATIVE: A. daSilva	BORING LOCATION: South of IW-S-10 GROUND SURFACE ELEVATION: NA DATUM: NA START DATE: 2/4/2020 END DATE: 2/5/2020	TYPE OF DRILL RIG: Diedrich D25 AUGER SIZE AND TYPE: 4.25" Hollow Stem Auger OVERBURDEN SAMPLING METHOD: NA



GENERAL NOTES:

1) NOT TO SCALE
2) DEPTHS ARE APPROXIMATE

LaBella
Powered by partnership.

300 STATE STREET, ROCHESTER, NEW YORK
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT

PROJECT NAME: Former Jefferson Wollensack Optical
LOCATION: 872 and 886 Hudson Avenue, Rochester NY

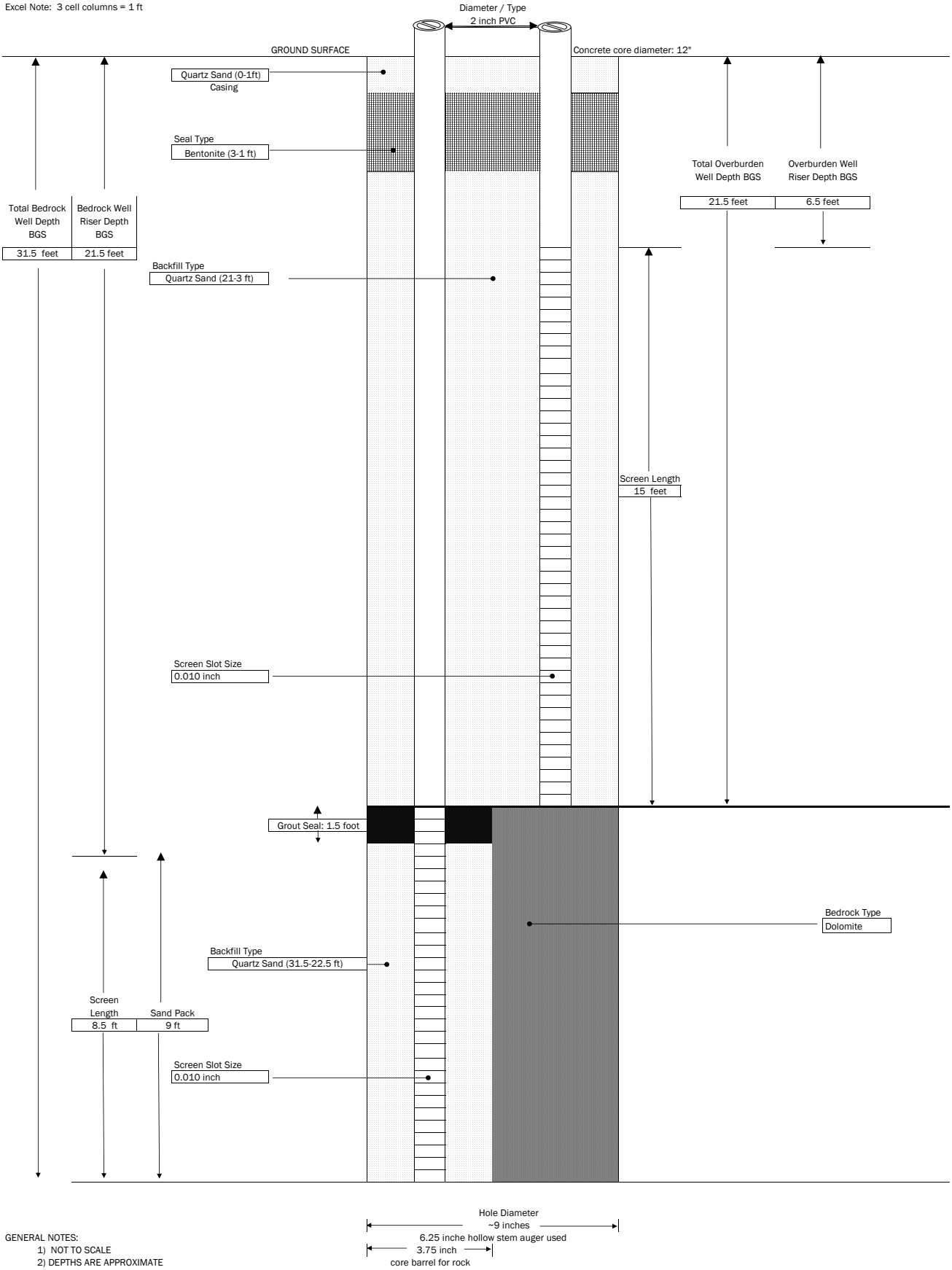
Injection Well: IW-S-12/IW-D-12

SHEET: 1 of 1

JOB # 2182207

CONTRACTOR: Nothnagle Drilling	BORING LOCATION: East of IW-S-10	TYPE OF DRILL RIG: Diedrich D25
DRILLER: Kevin	GROUND SURFACE ELEVATION: NA DATUM: NA	AUGER SIZE AND TYPE: 6.25 " Hollow Stem Auger
LABELLA REPRESENTATIVE: A. daSilva	START DATE: 2/6/2020 END DATE: 2/11/2020	OVERBURDEN SAMPLING METHOD: NA

Excel Note: 3 cell columns = 1 ft



GENERAL NOTES:
1) NOT TO SCALE
2) DEPTHS ARE APPROXIMATE

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300 STATE STREET, ROCHESTER, NEW YORK
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT

PROJECT NAME: Former Jefferson Wollensack Optical
LOCATION: 872 and 886 Hudson Avenue, Rochester NY

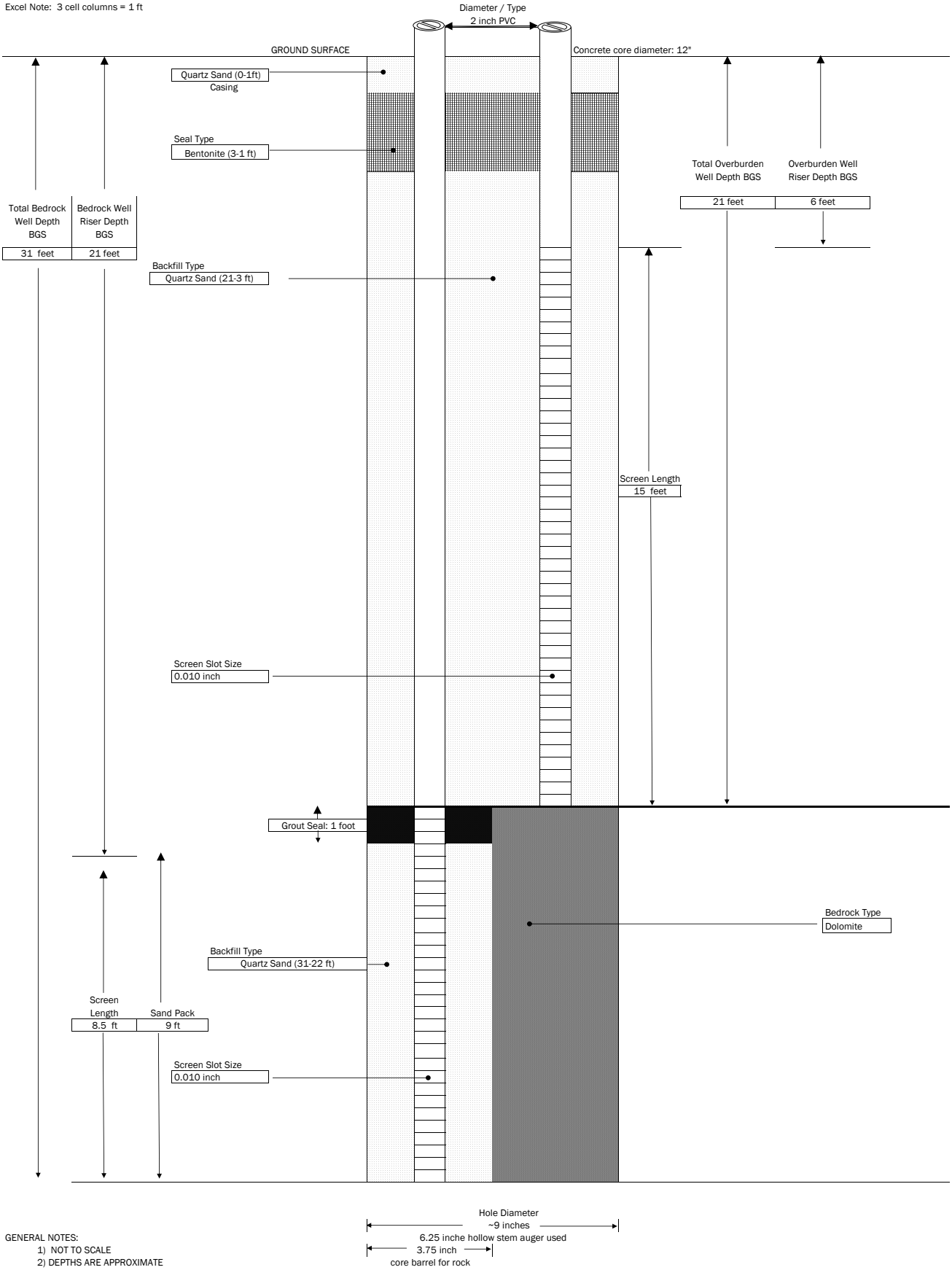
Injection Well: IW-S-13/IW-D-13

SHEET: 1 of 1

JOB # 2182207

CONTRACTOR: Nothnagle Drilling	BORING LOCATION: South of IW-S-12/IW-D-12	TYPE OF DRILL RIG: Diedrich D25
DRILLER: Kevin	GROUND SURFACE ELEVATION: NA DATUM: NA	AUGER SIZE AND TYPE: 6.25 " Hollow Stem Auger
LABELLA REPRESENTATIVE: A. daSilva	START DATE: 2/11/2020 END DATE: 2/13/2020	OVERBURDEN SAMPLING METHOD: NA

Excel Note: 3 cell columns = 1 ft



GENERAL NOTES:
1) NOT TO SCALE
2) DEPTHS ARE APPROXIMATE

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300 STATE STREET, ROCHESTER, NEW YORK
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT

PROJECT NAME: Former Jefferson Wollensack Optical
LOCATION: 872 and 886 Hudson Avenue, Rochester NY

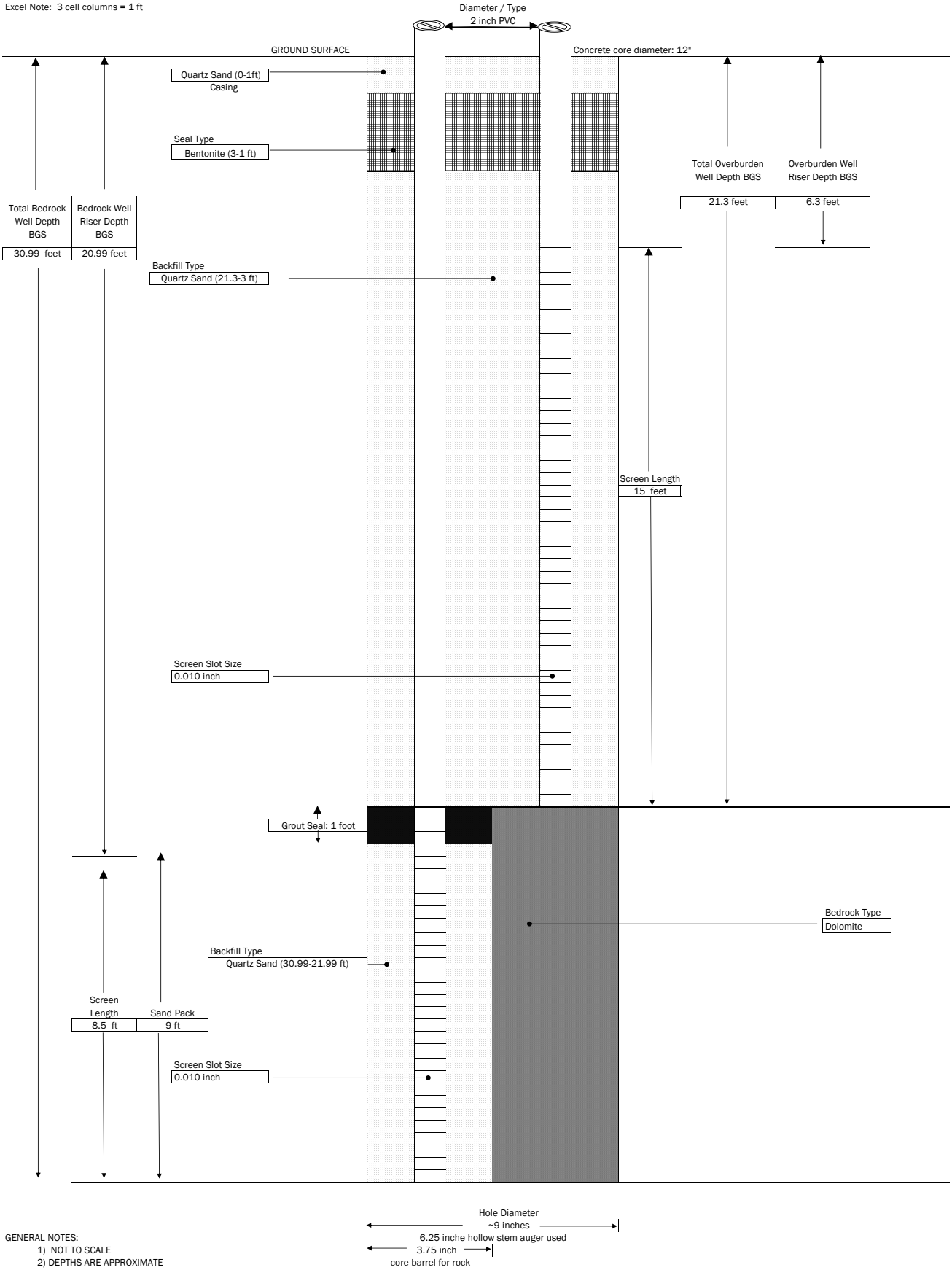
Injection Well: IW-S-14/IW-D-14

SHEET: 1 of 1

JOB # 2182207

CONTRACTOR: Nothnagle Drilling	BORING LOCATION: North East of IW-S-13/IW-D-13	TYPE OF DRILL RIG: Diedrich D25
DRILLER: Kevin	GROUND SURFACE ELEVATION: NA DATUM: NA	AUGER SIZE AND TYPE: 6.25 " Hollow Stem Auger
LABELLA REPRESENTATIVE: A. daSilva	START DATE: 2/17/2020 END DATE: 2/18/2020	OVERBURDEN SAMPLING METHOD: NA

Excel Note: 3 cell columns = 1 ft



GENERAL NOTES:

1) NOT TO SCALE
2) DEPTHS ARE APPROXIMATE

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ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT

PROJECT NAME: Former Jefferson Wollensack Optical
LOCATION: 872 and 886 Hudson Avenue, Rochester NY

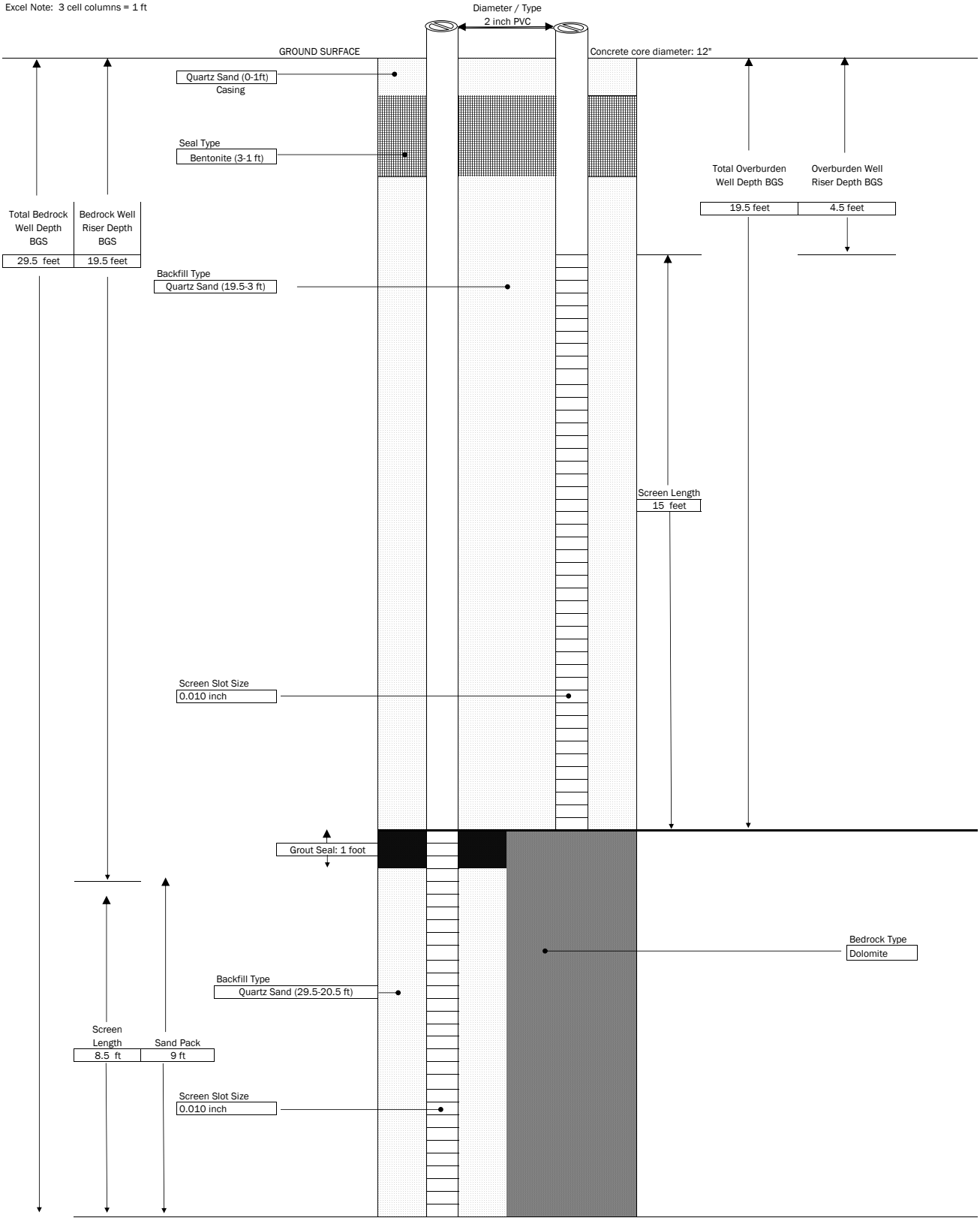
Injection Well: IW-S-15/IW-D-15

SHEET: 1 of 1

JOB # 2182207

CONTRACTOR: Nothnagle Drilling	BORING LOCATION: South central wall	TYPE OF DRILL RIG: Diedrich D25
DRILLER: Kevin	GROUND SURFACE ELEVATION: NA DATUM: NA	AUGER SIZE AND TYPE: 6.25 " Hollow Stem Auger
LABELLA REPRESENTATIVE: A. daSilva	START DATE: 2/18/2020 END DATE: 2/19/2020	OVERBURDEN SAMPLING METHOD: NA

Excel Note: 3 cell columns = 1 ft



GENERAL NOTES:
1) NOT TO SCALE
2) DEPTHS ARE APPROXIMATE

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ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT

PROJECT NAME: Former Jefferson Wollensack Optical
LOCATION: 872 and 886 Hudson Avenue, Rochester NY

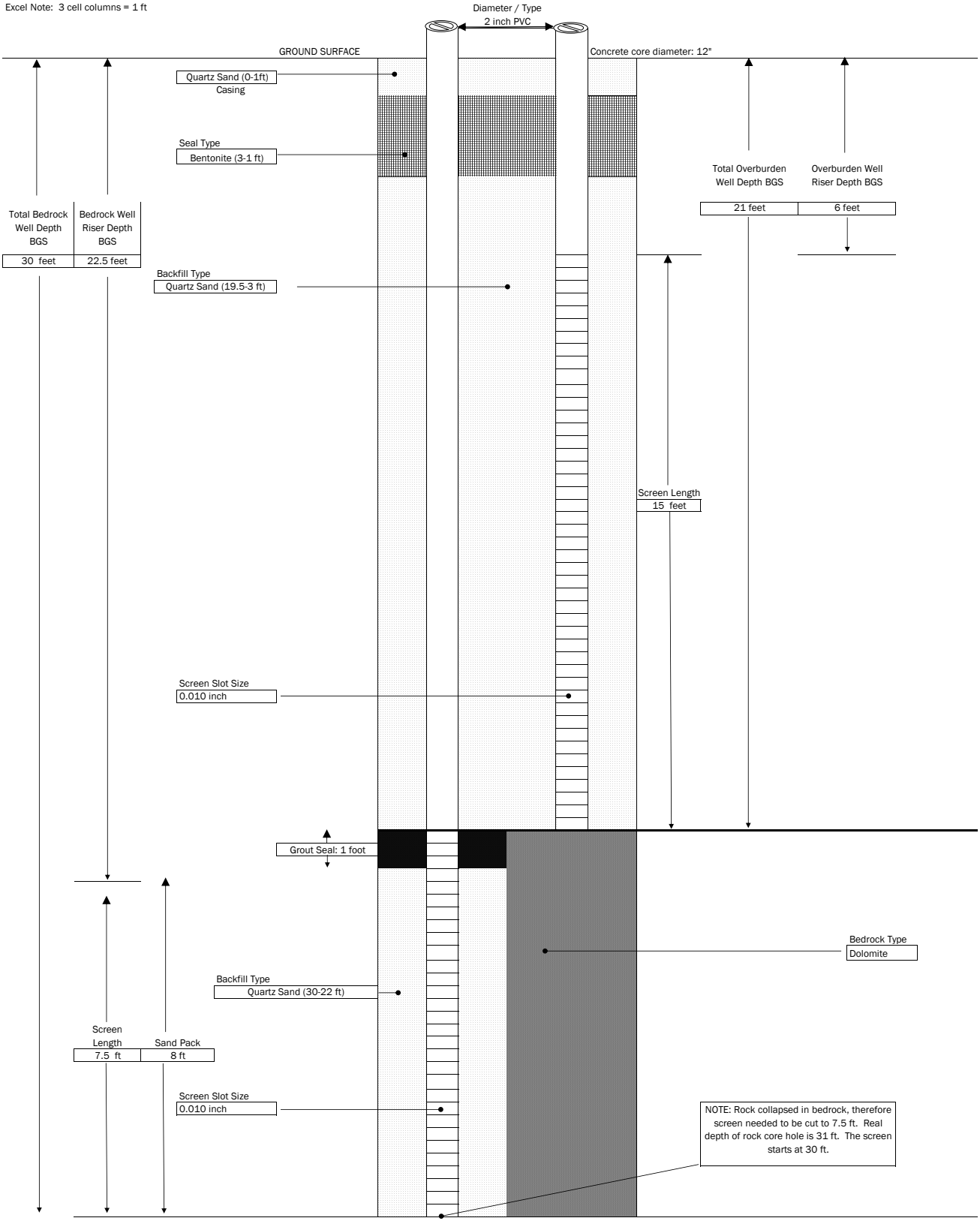
Injection Well: IW-S-16/IW-D-16

SHEET: 1 of 1

JOB # 2182207

CONTRACTOR: Nothnagle Drilling	BORING LOCATION: North East of IW-S-15/IW-D-15	TYPE OF DRILL RIG: Diedrich D25
DRILLER: Kevin	GROUND SURFACE ELEVATION: NA DATUM: NA	AUGER SIZE AND TYPE: 6.25 " Hollow Stem Auger
LABELLA REPRESENTATIVE: A. daSilva	START DATE: 2/20/2020 END DATE: 2/24/2020	OVERBURDEN SAMPLING METHOD: NA

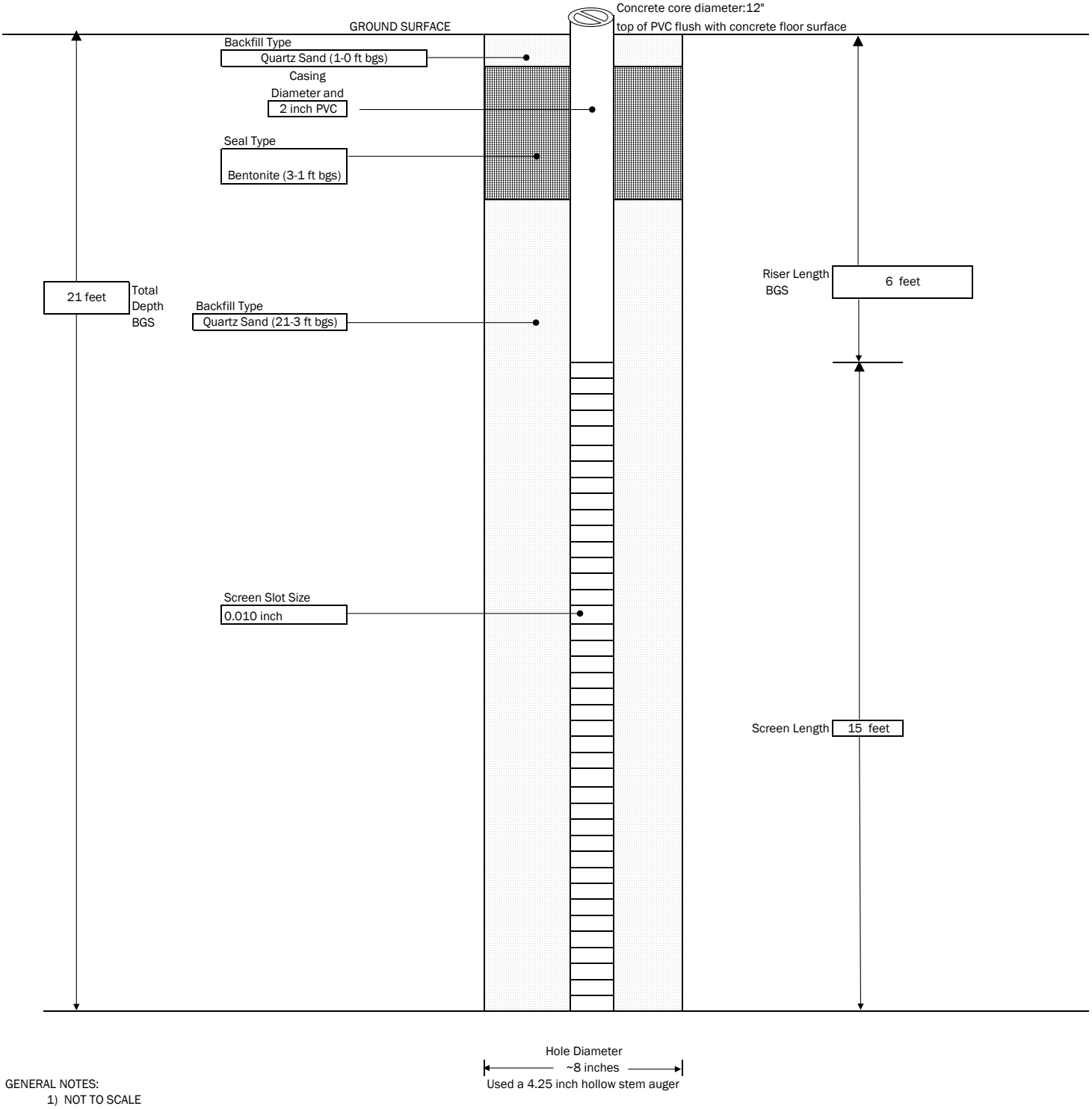
Excel Note: 3 cell columns = 1 ft



GENERAL NOTES:

1) NOT TO SCALE
2) DEPTHS ARE APPROXIMATE

LaBella Powered by partnership. 300 STATE STREET, ROCHESTER, NEW YORK ENVIRONMENTAL ENGINEERING CONSULTANTS	**PROJECT** PROJECT NAME: Former Jefferson Wollensack Optical LOCATION: 872 and 886 Hudson Avenue, Rochester NY	**Injection Well:** IW-S-17 **SHEET: 1 of 1** **JOB # 2182207**
CONTRACTOR: Nothnagle Drilling DRILLER: Kevin LABELLA REPRESENTATIVE: A. daSilva	BORING LOCATION: South East corner of southern wall GROUND SURFACE ELEVATION: NA DATUM: NA START DATE: 2/25/2020 END DATE: 2/25/2020	TYPE OF DRILL RIG: Diedrich D25 AUGER SIZE AND TYPE: 4.25" Hollow Stem Auger OVERBURDEN SAMPLING METHOD: NA



GENERAL NOTES:

1) NOT TO SCALE
2) DEPTHS ARE APPROXIMATE

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300 STATE STREET, ROCHESTER, NEW YORK
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT

PROJECT NAME: Former Jefferson Wollensack Optical
LOCATION: 872 and 886 Hudson Avenue, Rochester NY

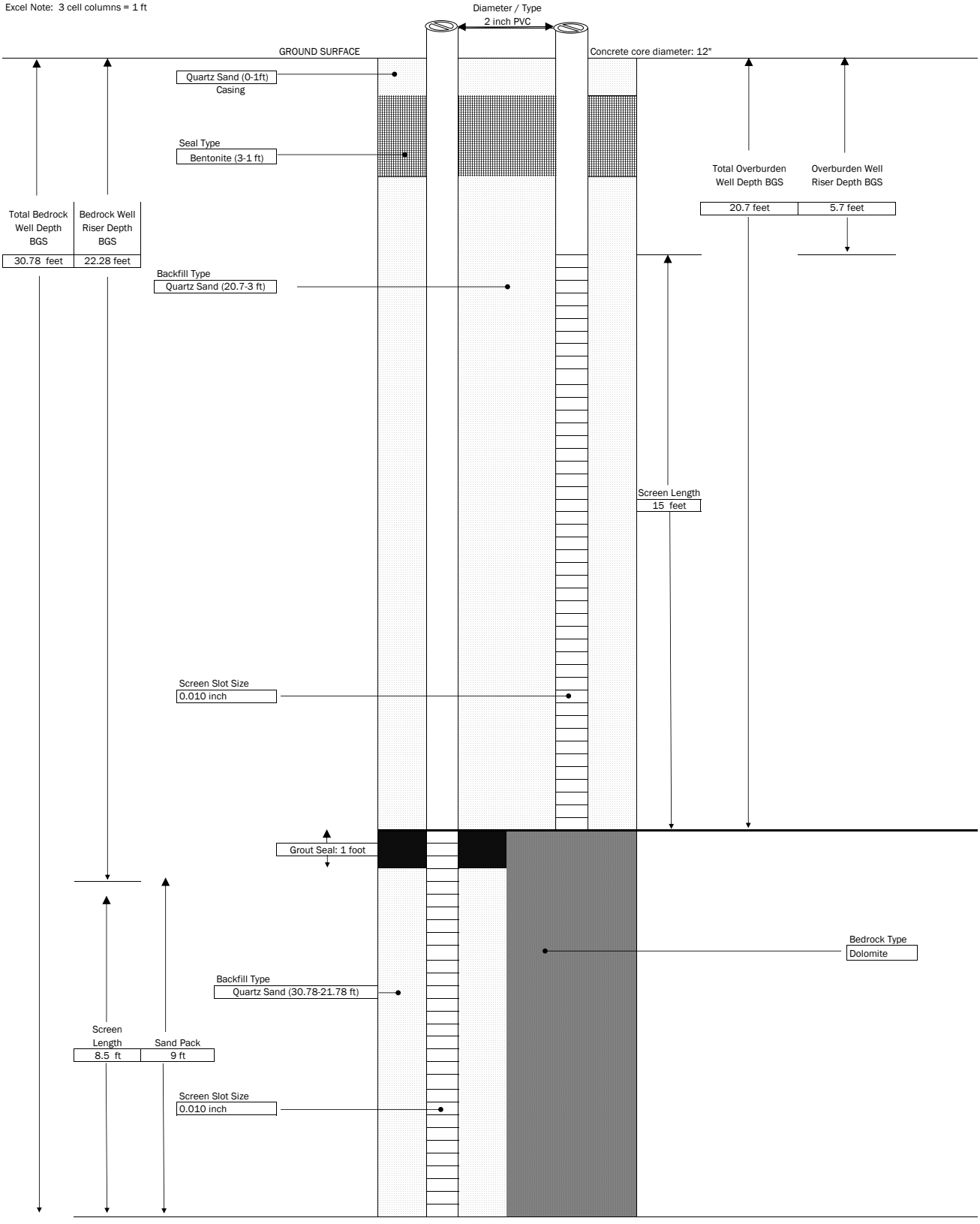
Injection Well: RIMW-19S/RIMW-19D

SHEET: 1 of 1

JOB # 2182207

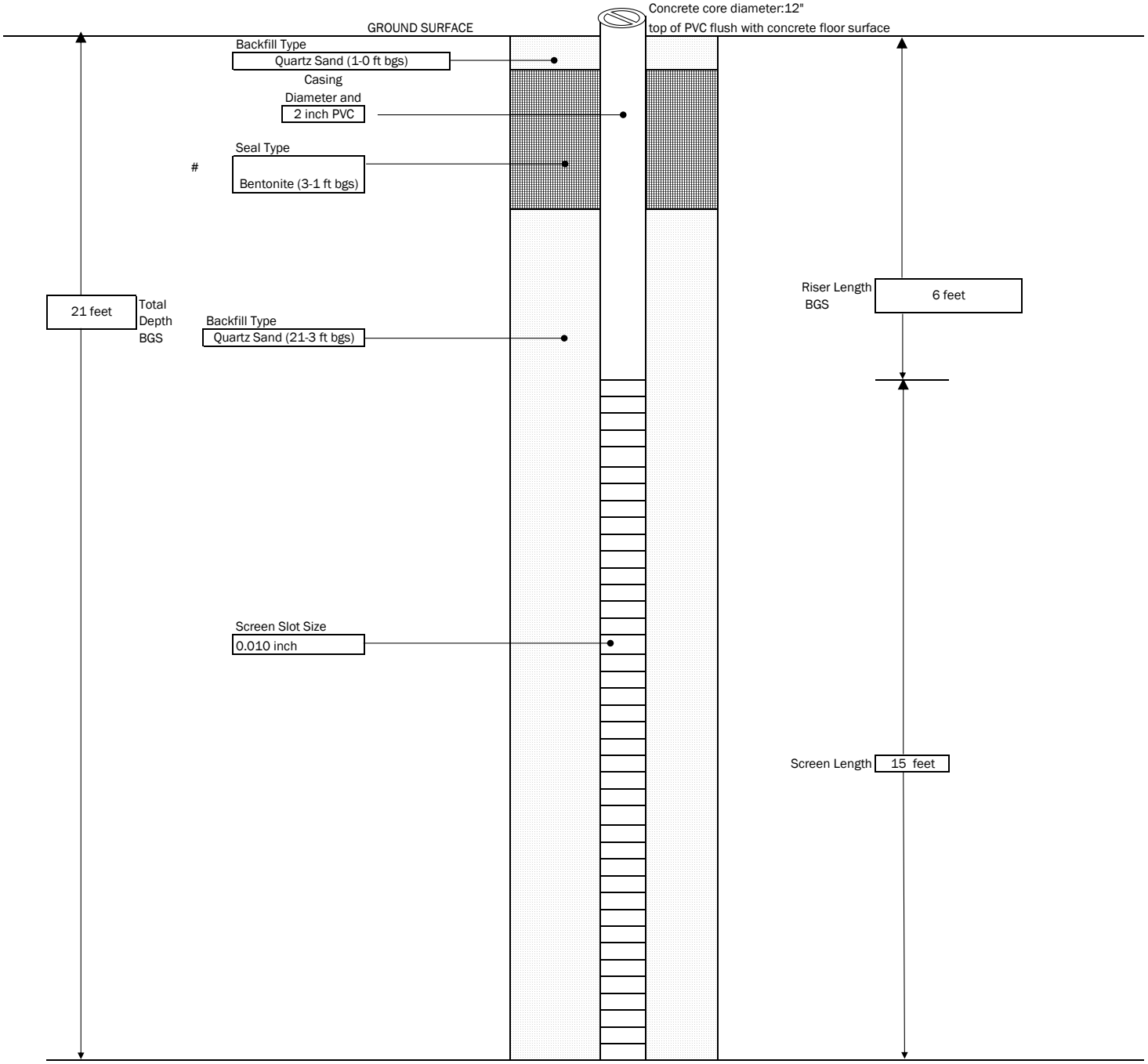
CONTRACTOR: Nothnagle Drilling	BORING LOCATION: ~ 2ft west of south western most column : This is a monitoring well.	TYPE OF DRILL RIG: Diedrich D25
DRILLER: Kevin	GROUND SURFACE ELEVATION: NA DATUM: NA	AUGER SIZE AND TYPE: 6.25 " Hollow Stem Auger
LABELLA REPRESENTATIVE: A. daSilva	START DATE: 2/26/2020 END DATE: 2/28/2020	OVERBURDEN SAMPLING METHOD: NA

Excel Note: 3 cell columns = 1 ft



GENERAL NOTES:
1) NOT TO SCALE
2) DEPTHS ARE APPROXIMATE

LaBella Powered by partnership. 300 STATE STREET, ROCHESTER, NEW YORK ENVIRONMENTAL ENGINEERING CONSULTANTS	**PROJECT** PROJECT NAME: Former Jefferson Wollensack Optical LOCATION: 872 and 886 Hudson Avenue, Rochester NY	**Injection Well:** RIMW-16R **SHEET: 1 of 1** **JOB # 2182207**
CONTRACTOR: Nothnagle Drilling DRILLER: Kevin LABELLA REPRESENTATIVE: A. daSilva	BORING LOCATION: ~4 ft East of IW-D-03 GROUND SURFACE ELEVATION: NA DATUM: NA START DATE: 3/5/2020 END DATE: 3/5/2020	TYPE OF DRILL RIG: Diedrich D25 AUGER SIZE AND TYPE: 4.25" Hollow Stem Auger OVERBURDEN SAMPLING METHOD: NA



GENERAL NOTES:

1) NOT TO SCALE
2) DEPTHS ARE APPROXIMATE

Well Decommissioning Logs

FIGURE 3

WELL DECOMMISSIONING RECORD

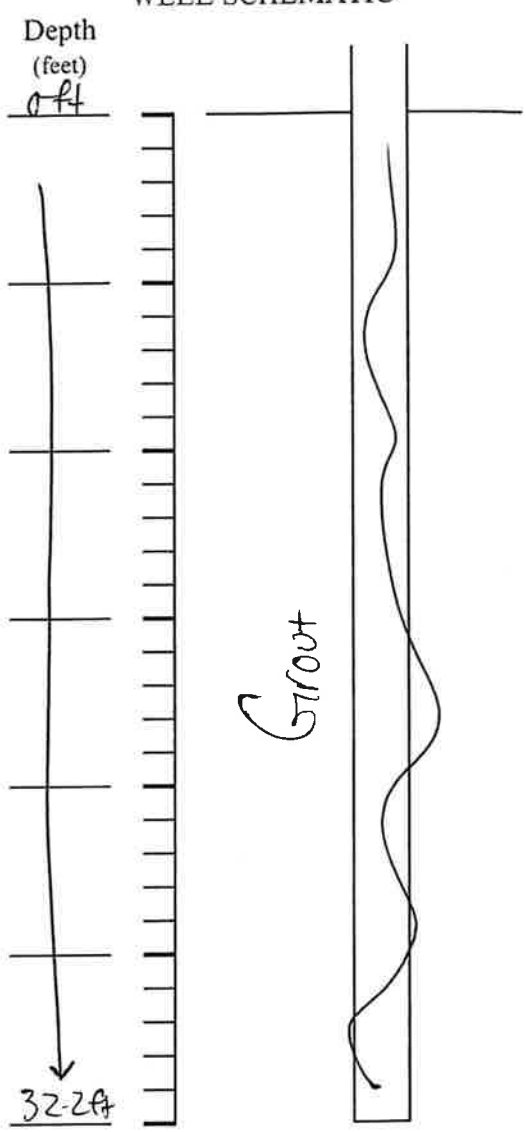
Site Name: r Wollensack Optical	Well I.D.: RIBW-A
Site Location: 872 & 886 Hudson Ave. Rochester NY.	Driller: J Kevin
Drilling Co.: Nothnagle	Inspector: LaBella Associates
	Date: 3/6/2020

DECOMMISSIONING DATA

(Fill in all that apply)

OVERDRILLING	
Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	
Depth temporary casing installed	
Casing type/dia. (in.)	
Method of installing	
CASING PULLING	
Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	
CASING PERFORATING	
Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	
GROUTING	
Interval grouted (FBLS)	Full
# of batches prepared	5
For each batch record:	
Quantity of water used (gal.)	8gal
Quantity of cement used (lbs.)	94lb
Cement type	Portland Type I
Quantity of bentonite used (lbs.)	3lb
Quantity of calcium chloride used (lbs.)	—
Volume of grout prepared (gal.)	20gal
Volume of grout used (gal.)	~20gal

WELL SCHEMATIC*



COMMENTS:

- 4" Diameter Steel casing
- Grout in Place

* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.

Nothnagle Drilling
Drilling Contractor

LaBella
Department Representative

FIGURE 3

WELL DECOMMISSIONING RECORD

Site Name: Wollensack optical	Well I.D.: RIMW-14
Site Location: 872 & 886 Hudson Ave, Rochester NY.	Driller: Nothnagle
Drilling Co.: NothNagle	Inspector: LaBella Associates
	Date: 3/6/2020

DECOMMISSIONING DATA

(Fill in all that apply)

OVERDRILLING

Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	
Depth temporary casing installed	
Casing type/dia. (in.)	
Method of installing	

CASING PULLING

Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	

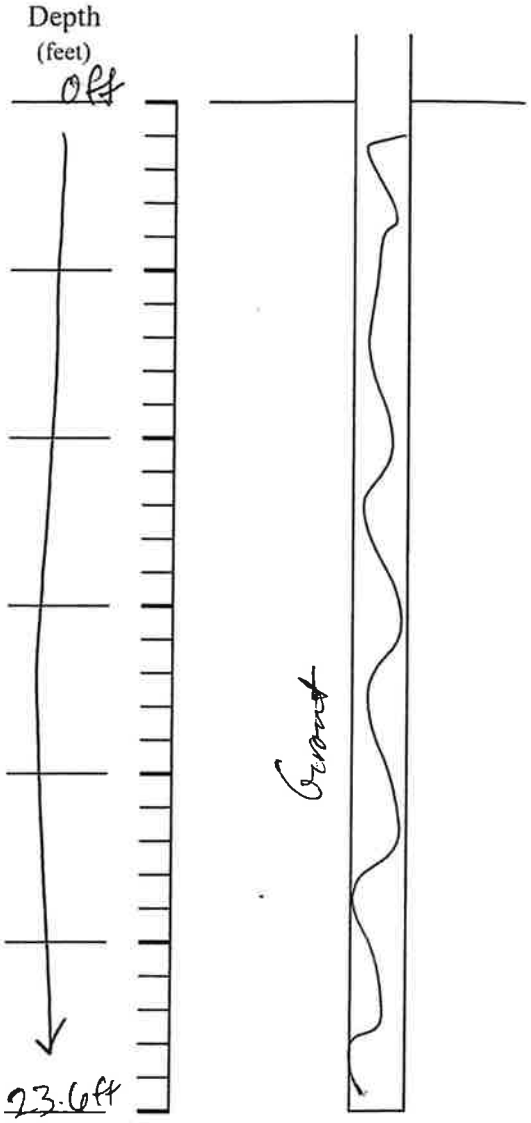
CASING PERFORATING

Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	

GROUTING

Interval grouted (FBLS)	Full
# of batches prepared	0-5
For each batch record:	
Quantity of water used (gal.)	8
Quantity of cement used (lbs.)	94lb
Cement type	Portland Type I
Quantity of bentonite used (lbs.)	3lb
Quantity of calcium chloride used (lbs.)	—
Volume of grout prepared (gal.)	4gal
Volume of grout used (gal.)	~1.5gal

WELL SCHEMATIC*



COMMENTS:

- 1" PVC Casing
- Grout in Place

* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.

Nothnagle Drilling
Drilling Contractor

LaBella
Department Representative

FIGURE 3

WELL DECOMMISSIONING RECORD

Site Name: Wollensack optical	Well I.D.: RIMW-15
Site Location: 872 & 886 Hudson Ave, Rochester NY.	Driller: Kevin
Drilling Co.: Nothnagle	Inspector: LaBella Associates
	Date: 3/6/2020

DECOMMISSIONING DATA

(Fill in all that apply)

OVERDRILLING

Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	
Depth temporary casing installed	
Casing type/dia. (in.)	
Method of installing	

CASING PULLING

Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	

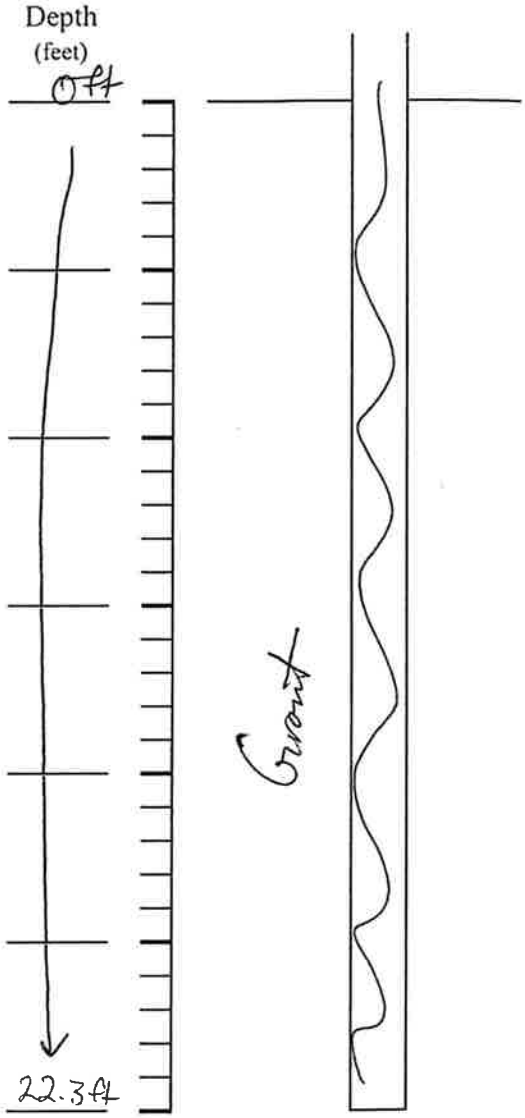
CASING PERFORATING

Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	

GROUTING

Interval grouted (FBLS)	Full
# of batches prepared	0.5
For each batch record:	
Quantity of water used (gal.)	8
Quantity of cement used (lbs.)	94 lb
Cement type	Portland Type 2
Quantity of bentonite used (lbs.)	3 lb
Quantity of calcium chloride used (lbs.)	—
Volume of grout prepared (gal.)	4 gal
Volume of grout used (gal.)	~1 gal

WELL SCHEMATIC*



COMMENTS:

- 1" PVC
- Grout in Place

* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.

Nothnagle Drilling
Drilling Contractor

LaBella
Department Representative

FIGURE 3

WELL DECOMMISSIONING RECORD

Site Name:	Wolfersock Optical	Well I.D.:	RTMW-17
Site Location:	872 & 886 Hudson Ave, Rochester NY.	Driller:	Nothnagle
Drilling Co.:	Nothnagle	Inspector:	LaBella Associates
		Date:	3/6/2020

DECOMMISSIONING DATA

(Fill in all that apply)

OVERDRILLING

Interval Drilled
Drilling Method(s)
Borehole Dia. (in.)
Temporary Casing Installed? (y/n)
Depth temporary casing installed
Casing type/dia. (in.)
Method of installing

CASING PULLING

Method employed
Casing retrieved (feet)
Casing type/dia. (in)

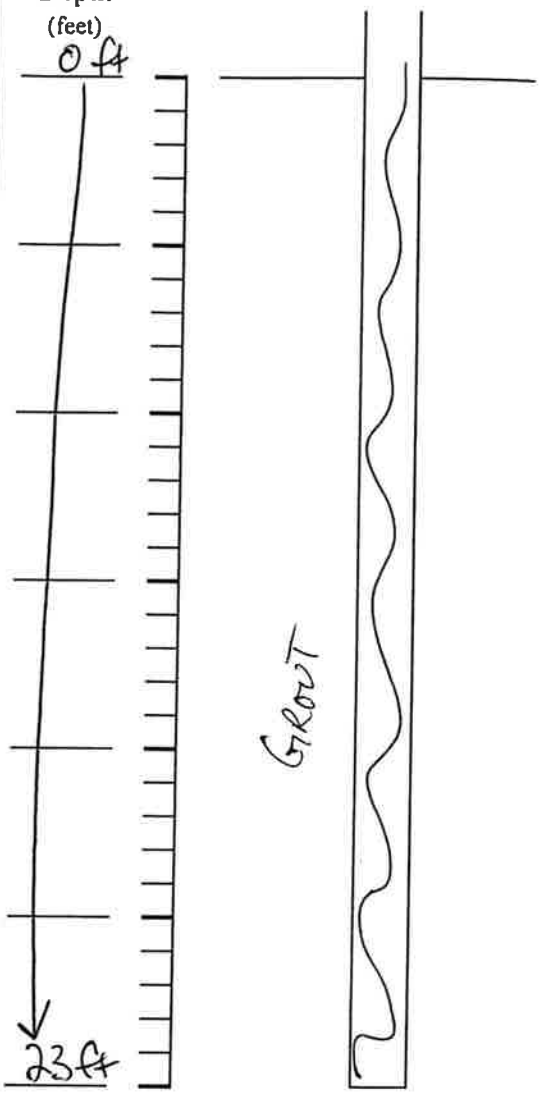
CASING PERFORATING

Equipment used
Number of perforations/foot
Size of perforations
Interval perforated

GROUTING

Interval grouted (FBLS)	Full
# of batches prepared	0.5
For each batch record:	
Quantity of water used (gal.)	8 gal
Quantity of cement used (lbs.)	94 lb
Cement type	Portland Type I
Quantity of bentonite used (lbs.)	3 lb
Quantity of calcium chloride used (lbs.)	—
Volume of grout prepared (gal.)	4 gal
Volume of **grout** used (gal.)	~1.5 gal

WELL SCHEMATIC*



COMMENTS:

- 1" PVC Casing
- Grout in Place

* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.

Nathnagle
Drilling Contractor

LaBella
Department Representative

FIGURE 3

WELL DECOMMISSIONING RECORD

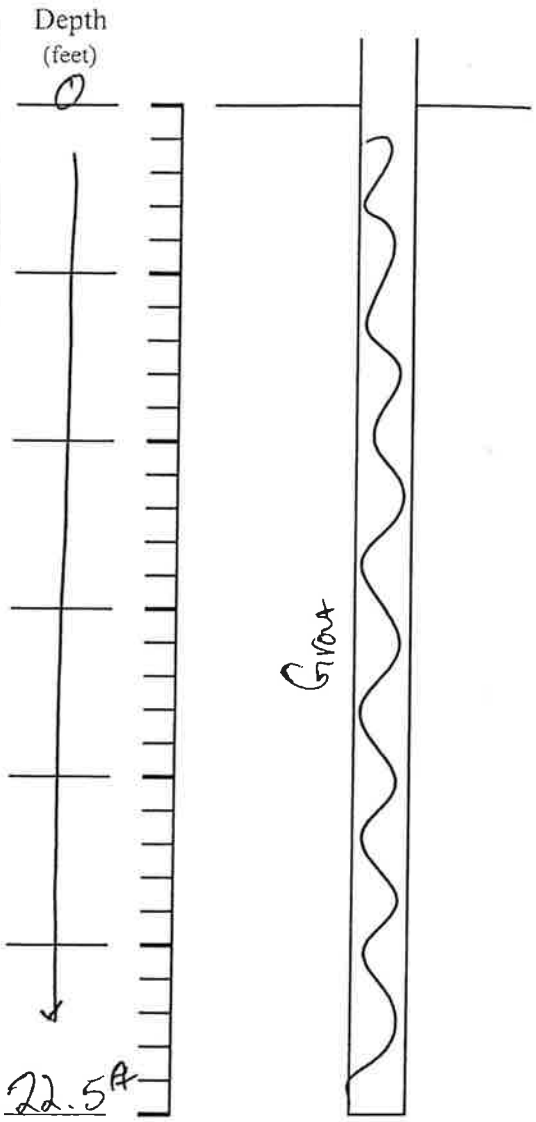
Site Name: Wellensack optical	Well I.D.: RIMW-18
Site Location: 872 & 886 Hudson Ave, Rochester N.Y.	Driller: Kevin
Drilling Co.: Nothnagle	Inspector: LaBella Associates
	Date: 3/6/2020

DECOMMISSIONING DATA

(Fill in all that apply)

OVERDRILLING	
Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	
Depth temporary casing installed	
Casing type/dia. (in.)	
Method of installing	
CASING PULLING	
Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	
CASING PERFORATING	
Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	
GROUTING	
Interval grouted (FBLS)	Full
# of batches prepared	0.5
For each batch record:	
Quantity of water used (gal.)	8 gal
Quantity of cement used (lbs.)	94 lb
Cement type	Portland Type 1
Quantity of bentonite used (lbs.)	3 lb
Quantity of calcium chloride used (lbs.)	—
Volume of grout prepared (gal.)	4 gal
Volume of grout used (gal.)	~1.5 gal

WELL SCHEMATIC*



COMMENTS:

- 1" PVC
- Grout in Riser

* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.

Nothnagle Drilling
Drilling Contractor

LaBella
Department Representative

Monitoring Well Sampling Logs

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300 State Street
Rochester, New York 14614
Telephone: (585) 454-6110
Facsimile: (585) 454-3066

WELL I.D.: BW-01

Project Name: Former Wollensack Optical
Location: 872 & 886 Hudson Ave, Rochester, NY
Project No.: 2182207
Sampled By: Jeff Folger
Date: 5/12/2020
Weather: 40°F and Sunny

WELL SAMPLING INFORMATION

Well Diameter:	4”	Static Water Level:	9.48
Depth of Well:	33.18	Length of Well Screen:	Open Rock ~ 10ft
Measuring Point:	TOC	Depth to Top of Pump:	~28’
Pump Type:	Peristaltic	Tubing Type:	¼ inch LDPE

FIELD PARAMETER MEASUREMENT

Time	Pump Rate (mL/min)	Gallons Purged	Temp °C	Dissolved O_2 (mg/L) + 10%	Conductivity (mS/cm) +/- 3%	pH +/- 0.1	Redox (mV) +/- 10 mV	Turbidity (NTU) + 10%	Depth to Water Ft. BGS		Comments
0820			10.7	1.85	5.720	12.47	-39.0	47.6			
0825			10.7	0.53	5.843	12.53	-114.3	14.4			
0830			10.3	0.46	5.878	12.53	-134.3	8.5			
0835			10.4	0.37	5.856	12.51	-144.5	8.6			
0840			10.4	0.33	5.864	12.51	-159.2	8.6			
0845			10.2	0.32	5.871	12.51	-179.3	9.6			
0850			10.4	0.29	5.870	12.51	-180.0	7.3			
0855			10.6	0.29	5.866	12.51	-174.4	7.8			
0900			10.6	0.29	5.864	12.51	-177.2	7.0			

Total 0.5 Gallons Purged

Purge Time Start: 0815 Purge Time End: 0900 Final Static Water Level: --

OBSERVATIONS

Sample @ 0900
QA/QC here
MS/MSD here

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300 State Street
Rochester, New York 14614
Telephone: (585) 454-6110
Facsimile: (585) 454-3066

WELL I.D.: SB-MW-14

Project Name: Former Wollensack Optical
Location: 872 & 886 Hudson Ave, Rochester, NY
Project No.: 2182207
Sampled By: Jeff Folger
Date: 5/12/2020
Weather: 40°F and Sunny

WELL SAMPLING INFORMATION

Well Diameter:	1"	Static Water Level:	7.98
Depth of Well:	16.02	Length of Well Screen:	
Measuring Point:	TOC	Depth to Top of Pump:	~14'
Pump Type:	Peristaltic	Tubing Type:	¼ inch LDPE

FIELD PARAMETER MEASUREMENT

Time	Pump Rate (mL/min)	Gallons Purged	Temp °C	Dissolved O_2 (mg/L) + 10%	Conductivity (mS/cm) +/- 3%	pH +/- 0.1	Redox (mV) +/- 10 mV	Turbidity (NTU) + 10%	Depth to Water Ft. BGS		Comments
0915			10.9	3.90	0.882	9.92	47.0	815			
0920			10.8	3.05	0.820	8.88	109.8	2800			

Total 0.05 Gallons Purged

Purge Time Start: 0915 Purge Time End: 0920 Final Static Water Level: --

OBSERVATIONS

Well pumped dry.

Sample subsequently collected @ 920

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300 State Street
Rochester, New York 14614
Telephone: (585) 454-6110
Facsimile: (585) 454-3066

WELL I.D.: SB-MW-15

Project Name: Former Wollensack Optical
Location: 872 & 886 Hudson Ave, Rochester, NY
Project No.: 2182207
Sampled By: Jeff Folger
Date: 5/12/2020
Weather: 40°F and cloudy

WELL SAMPLING INFORMATION

Well Diameter:	1"	Static Water Level:	8.03
Depth of Well:	19.30	Length of Well Screen:	
Measuring Point:	TOC	Depth to Top of Pump:	~17'
Pump Type:	Peristaltic	Tubing Type:	¼ inch LDPE

FIELD PARAMETER MEASUREMENT

Time	Pump Rate (mL/min)	Gallons Purged	Temp °C	Dissolved O_2 (mg/L) + 10%	Conductivity (mS/cm) +/- 3%	pH +/- 0.1	Redox (mV) +/- 10 mV	Turbidity (NTU) + 10%	Depth to Water Ft. BGS		Comments
0950			9.7	1.13	3.411	7.70	219.0	234.8			
0955			9.3	1.64	3.367	7.62	217.1	863.4			
1000			9.4	2.36	3.332	7.62	220.7	1171			
1005			9.3	2.02	3.324	7.62	241.6	1768			
1010			9.4	2.12	3.311	7.62	246.5	1412			

Total -- Gallons Purged

Purge Time Start: 0950 Purge Time End: 1010 Final Static Water Level: --

OBSERVATIONS

Well running dry at 1010, sample collected.

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300 State Street
Rochester, New York 14614
Telephone: (585) 454-6110
Facsimile: (585) 454-3066

WELL I.D.: SB-MW-07

Project Name: Former Wollensack Optical
Location: 872 & 886 Hudson Ave, Rochester, NY
Project No.: 2182207
Sampled By: Jeff Folger
Date: 5/12/2020
Weather: 40°F and partly cloudy

WELL SAMPLING INFORMATION

Well Diameter:	1"	Static Water Level:	9.20
Depth of Well:	17.18	Length of Well Screen:	
Measuring Point:	TOC	Depth to Top of Pump:	~15'
Pump Type:	Peristaltic	Tubing Type:	¼ inch LDPE

FIELD PARAMETER MEASUREMENT

Time	Pump Rate (mL/min)	Gallons Purged	Temp °C	Dissolved O_2 (mg/L) + 10%	Conductivity (mS/cm) +/- 3%	pH +/- 0.1	Redox (mV) +/- 10 mV	Turbidity (NTU) + 10%	Depth to Water Ft. BGS		Comments
1035			9.5	4.47	1.962	7.55	248.3	1642			
1040			9.4	5.56	1.960	7.51	252.3	1884			

Total -- Gallons Purged

Purge Time Start: 0935 Purge Time End: 1040 Final Static Water Level: --

OBSERVATIONS

Well running dry at 1040, sample collected.

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300 State Street
Rochester, New York 14614
Telephone: (585) 454-6110
Facsimile: (585) 454-3066

WELL I.D.: RIMW-16R

Project Name: Former Wollensack Optical
Location: 872 & 886 Hudson Ave, Rochester, NY
Project No.: 2182207
Sampled By: Jeff Folger
Date: 5/13/2020
Weather: Indoors

WELL SAMPLING INFORMATION

Well Diameter:	2”	Static Water Level:	9.63
Depth of Well:	20.79	Length of Well Screen:	15’
Measuring Point:	TOC	Depth to Top of Pump:	~18’
Pump Type:	Peristaltic	Tubing Type:	¼ inch LDPE

FIELD PARAMETER MEASUREMENT

Time	Pump Rate (mL/min)	Gallons Purged	Temp °C	Dissolved O_2 (mg/L) + 10%	Conductivity (mS/cm) +/- 3%	pH +/- 0.1	Redox (mV) +/- 10 mV	Turbidity (NTU) + 10%	Depth to Water Ft. BGS		Comments
0810			11.3	--	1.777	7.49	478.8	150.8			
0815			11.4	0.61	2.815	7.45	611.3	3970			
0820			11.5	0.57	1.866	7.33	594.8	1316			
0825			11.5	0.58	1.795	7.32	572.4	273.8			
0830			11.5	0.68	1.777	7.31	563.3	98.0			
0835			11.4	0.68	1.773	7.30	564.8	76.1			
0840			11.6	0.61	1.777	7.31	565.6	80.2			
0845			11.7	0.61	1.777	7.31	562.9	62.3			
0850			11.8	0.60	1.777	7.30	566.7	46.3			

Total 0.75 Gallons Purged

Purge Time Start: 0810 Purge Time End: 0850 Final Static Water Level: --

OBSERVATIONS

Sample @ 850

Reddis-purple water at start of purge, sodium permangante, cleared after 10 mins.

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WELL I.D.: RIMW-04

Project Name: Former Wollensack Optical
Location: 872 & 886 Hudson Ave, Rochester, NY
Project No.: 2182207
Sampled By: Jeff Folger
Date: 5/13/2020
Weather: Indoors

WELL SAMPLING INFORMATION

Well Diameter:	1”	Static Water Level:	0.90
Depth of Well:	4.32	Length of Well Screen:	5-ft
Measuring Point:	TOC	Depth to Top of Pump:	~3.5’
Pump Type:	Peristaltic	Tubing Type:	¼ inch LDPE

FIELD PARAMETER MEASUREMENT

Time	Pump Rate (mL/min)	Gallons Purged	Temp °C	Dissolved O_2 (mg/L) + 10%	Conductivity (mS/cm) +/- 3%	pH +/- 0.1	Redox (mV) +/- 10 mV	Turbidity (NTU) + 10%	Depth to Water Ft. BGS		Comments
0925			10.1	1.59	1.043	8.49	358.3	432.7			
0930			10.1	0.46	1.041	8.56	258.6	321.7			
0935			10.1	1.48	1.040	8.59	242.1	353.2			
0940			10.1	1.52	1.041	8.59	241.7	342.6			

Total 0.15 Gallons Purged

Purge Time Start: 0925 Purge Time End: 0940 Final Static Water Level: --

OBSERVATIONS

Sample @ 940, well running dry.

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WELL I.D.: RIMW-02

Project Name: Former Wollensack Optical
Location: 872 & 886 Hudson Ave, Rochester, NY
Project No.: 2182207
Sampled By: Jeff Folger
Date: 5/13/2020
Weather: Indoors

WELL SAMPLING INFORMATION

Well Diameter:	1"	Static Water Level:	0.80
Depth of Well:	6.20	Length of Well Screen:	5-ft
Measuring Point:	TOC	Depth to Top of Pump:	~5'
Pump Type:	Peristaltic	Tubing Type:	¼ inch LDPE

FIELD PARAMETER MEASUREMENT

Time	Pump Rate (mL/min)	Gallons Purged	Temp °C	Dissolved O_2 (mg/L) + 10%	Conductivity (mS/cm) +/- 3%	pH +/- 0.1	Redox (mV) +/- 10 mV	Turbidity (NTU) + 10%	Depth to Water Ft. BGS		Comments
0955			10.4	1.90	1.738	7.77	90.0	382.7			
1000			10.4	0.34	1.729	7.61	-125.3	2240			
1005			10.5	0.94	1.736	7.61	-111.8	2413			
1010			10.5	2.16	1.737	7.61	-86.9	2230			

Total 0.15 Gallons Purged

Purge Time Start: 0955 Purge Time End: 0940 Final Static Water Level: --

OBSERVATIONS

Sample @ 1010, well running dry.

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WELL I.D.: SB-MW-16

Project Name: Former Wollensack Optical
Location: 872 & 886 Hudson Ave, Rochester, NY
Project No.: 2182207
Sampled By: Jeff Folger
Date: 5/13/2020
Weather: Indoors

WELL SAMPLING INFORMATION

Well Diameter:	1"	Static Water Level:	0.80
Depth of Well:	4.54	Length of Well Screen:	
Measuring Point:	TOC	Depth to Top of Pump:	~4'
Pump Type:	Peristaltic	Tubing Type:	¼ inch LDPE

FIELD PARAMETER MEASUREMENT

Time	Pump Rate (mL/min)	Gallons Purged	Temp °C	Dissolved O_2 (mg/L) + 10%	Conductivity (mS/cm) +/- 3%	pH +/- 0.1	Redox (mV) +/- 10 mV	Turbidity (NTU) + 10%	Depth to Water Ft. BGS		Comments
1030			10.3	4.15	1.991	7.52	-125.8	595.7			
1035			10.3	0.65	2.055	7.42	-132.3	330.8			
1040			10.2	0.29	2.160	7.44	-116.5	62.7			
1045			10.2	0.25	2.232	7.47	-114.0	35.6			
1050			10.2	0.23	2.280	7.50	-112.2	23.5			
1055			10.2	0.23	2.312	7.51	-109.1	18.9			
1100			10.2	0.23	2.318	7.51	-108.7	18.6			

Total 0.5 Gallons Purged

Purge Time Start: 1030 Purge Time End: 1100 Final Static Water Level: --

OBSERVATIONS

Sample @ 1100

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WELL I.D.: BW-03

Project Name: Former Wollensack Optical
Location: 872 & 886 Hudson Ave, Rochester, NY
Project No.: 2182207
Sampled By: J. Folger
Date: 5/13/2020
Weather: 50°F sunny

WELL SAMPLING INFORMATION

Well Diameter:	4”	Static Water Level:	9.65’
Depth of Well:	29.48’	Length of Well Screen:	Open rock ~10 ft
Measuring Point:	TOC	Depth to Top of Pump:	26’
Pump Type:	peristaltic	Tubing Type:	LDPE

FIELD PARAMETER MEASUREMENT

Time	Pump Rate (mL/min)	Gallons Purged	Temp °C	Dissolved O_2 (mg/L) + 10%	Conductivity (mS/cm) +/- 3%	pH +/- 0.1	Redox (mV) +/- 10 mV	Turbidity (NTU) + 10%			Comments
12:45	50mL/min		10.7	1.78	5.792	12.44	-42.6	53.1			
12:50	50mL/min		10.7	1.02	5.834	12.49	-108.2	12.6			
12:55	50mL/min		10.7	0.45	5.842	12.52	-136.7	8.2			
13:00	50mL/min		10.7	0.39	5.866	12.53	-151.2	8.4			
13:05	50mL/min		10.6	0.31	5.858	12.53	-161.7	8.1			
13:10	50mL/min		10.6	0.29	5.869	12.53	-168.4	7.7			
13:15	50mL/min		10.5	0.29	5.872	12.53	-172.8	7.3			
13:20	50mL/min		10.5	0.28	5.879	12.53	-174.6	7.2			
13:25	50mL/min		10.6	0.28	5.877	12.53	-177.3	7.4			
13:30	50mL/min		10.6	0.29	5.874	12.53	-175.2	7.1			Sample BW-03 @ 13:30

Total 0.5 Gallons Purged

Purge Time Start: 12:45 Purge Time End: 13:30 Final Static Water Level: 9.66’

OBSERVATIONS

Sample BW-03 collected at 13:13

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WELL I.D.: SB-MW-07

Project Name: Former Wollensack Optical
Location: 872 & 886 Hudson Ave, Rochester, NY
Project No.: 2182207
Sampled By: Alex Brett
Date: 6/29/2020
Weather: Sunny 70's to 80's

WELL SAMPLING INFORMATION

Well Diameter:	1"	Static Water Level:	9.75
Depth of Well:	17.20 (measured at time of sampling)	Length of Well Screen:	
Measuring Point:	TOC	Depth to Top of Pump:	~15" during sample collection
Pump Type:	Peristaltic	Tubing Type:	¼ inch LDPE

FIELD PARAMETER MEASUREMENT

Time	Pump Rate (mL/min)	Gallons Purged	Temp °C	Dissolved O_2 (mg/L) + 10%	Conductivity (mS/cm) +/- 3%	pH +/- 0.1	Redox (mV) +/- 10 mV	Turbidity (NTU) + 10%	Depth to Water Ft. BGS		Comments
1215	Pump on	--	--	--	--	--	--	--	--		-Pump turned on 1215
1220	~225		18	2.97	1.634	7.28	-29.7	225.4	NA*		-Well went dry 1217
1220	Pump off										-Attempted to put tubing further
											down, allowing well to recharge
1235	Pump on		--	--	--	--	--	--	--		-Restarted pump 1235
1240	~50		14.3	0.88	1.617	7.26	-57.8	4451.9	NA*		-pumping as slow as possible
1245	Pump off		14.7	1.36	1.607	7.07	-48.9	4347.8	NA*		-well going dry
1300	sampling										-pump on for sample collection

Total 0.4 Gallons Purged

Purge Time Start: 1215 Purge Time End: 1245 Final Static Water Level: dry

OBSERVATIONS

Sample @ 1300 after letting well recharge. Well would go dry when pumping at slowest speed.

*Unable to fit tubing and waterlevel down 1-inch well at the same time; however well was ultimately going dry so end of purging no measurable water level.

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WELL I.D.: SB-MW-15

Project Name: Former Wollensack Optical
Location: 872 & 886 Hudson Ave, Rochester, NY
Project No.: 2182207
Sampled By: Alex Brett
Date: 6/29/2020
Weather: Sunny 80's

WELL SAMPLING INFORMATION

Well Diameter:	1"	Static Water Level:	10.15
Depth of Well:	19.4 (measured at time of sampling)	Length of Well Screen:	
Measuring Point:	TOC	Depth to Top of Pump:	Sampled at 14.4'
Pump Type:	Peristaltic	Tubing Type:	¼ inch LDPE

FIELD PARAMETER MEASUREMENT

Time	Pump Rate (mL/min)	Gallons Purged	Temp °C	Dissolved O_2 (mg/L) + 10%	Conductivity (mS/cm) +/- 3%	pH +/- 0.1	Redox (mV) +/- 10 mV	Turbidity (NTU) + 10%	Depth to Water Ft. BGS		Comments
1330											
1335			19.6	3.24	2.537	8.27	-127.1	3007.1	*		
1340			19.2	0.25	2.565	7.55	-103.8	2071.5	*		
1345			19.4	0.64	2.597	7.51	-99.1	2372.4	*		
1350			18.8	1.14	2.630	7.56	-91.4	940.1	*		
1355			17.8	1.47	2.488	7.57	-74.7	1028.3	*		
1357	--	--	--	--	--	--	--	--	--		Well went dry
1400	Pump off	--	--	--	--	--	--	--	--		
1430	sampling	--	--	--	--	--	--	--	--		Sampling @ 1430

Total ~0.8 Gallons Purged

Purge Time Start: 1330 Purge Time End: 1357 Final Static Water Level: dry

OBSERVATIONS

Well went dry at 1357, well allowed to recharge and sample collected @ 1430

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WELL I.D.: BW-03

Project Name: Former Wollensack Optical
Location: 872 & 886 Hudson Ave, Rochester, NY
Project No.: 2182207
Sampled By: Alex Brett
Date: 6/29/2020
Weather: Sunny 80's

WELL SAMPLING INFORMATION

Well Diameter:	4"	Static Water Level:	10.29
Depth of Well:	22.61 (measured at time of sampling)	Length of Well Screen:	Open rock ~10 ft
Measuring Point:	TOC	Depth to Top of Pump:	~17.61" during sample collection
Pump Type:	Peristaltic	Tubing Type:	¼ inch LDPE

FIELD PARAMETER MEASUREMENT

Time	Pump Rate (mL/min)	Gallons Purged	Temp °C	Dissolved O_2 (mg/L) + 10%	Conductivity (mS/cm) +/- 3%	pH +/- 0.1	Redox (mV) +/- 10 mV	Turbidity (NTU) + 10%	Depth to Water Ft. BGS		Comments
1450	Pump start	--	--	--	--	--	--	--	10.29		-Pump Started @ 1450
1455	210		13.3	-009	1.337	7.50	-249.3		10.85		
1500	210		12.9	-0.22	1.332	7.46	-279.5		11.48		-pump rate adjusted
1505	170		13.6	-0.23	1.332	7.42	-279.0		11.82		
1510	190	1.0	13.5	-0.24	1.334	7.48	-292.9		12.24		-pump rate adjusted
1515	190		13.4	-0.24	1.334	7.48	-289.8		12.68		
1520	180	1.5	13.3	-0.31	1.331	7.53	-309.9		13.01		-Pump rate reduced
1525	180		13.3	-0.29	1.336	7.48	-297.8		13.28		-Pump rate lowered to reduce
1530	150	2	13.3	-0.30	1.336	7.48	-289.8		13.30		drawdown
1535	150	2.2	13.3	-0.31	1.337	7.49	-284.5		13.30		

Total ~2.2 Gallons Purged

Purge Time Start: 1450 Purge Time End: 1535 Final Static Water Level: 13.30

OBSERVATIONS

Sample @ 1535 after drawdown stopped.

DO Meter appears to have malfunctioned, readings of DO appear on YSI water quality meter as negative values. Recalibration required.

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WELL I.D.: SB-MW-16

Project Name: Former Wollensack Optical
Location: 872 & 886 Hudson Ave, Rochester, NY
Project No.: 2182207
Sampled By: Jeff Folger
Date: 6/30/2020
Weather: Indoors

WELL SAMPLING INFORMATION

Well Diameter:	1"	Static Water Level:	1.89
Depth of Well:	4.59 (measured at time of sampling)	Length of Well Screen:	
Measuring Point:	TOC	Depth to Top of Pump:	~4'
Pump Type:	Peristaltic	Tubing Type:	¼ inch LDPE

FIELD PARAMETER MEASUREMENT

Time	Pump Rate (mL/min)	Gallons Purged	Temp °C	Dissolved O_2 (mg/L) + 10%	Conductivity (mS/cm) +/- 3%	pH +/- 0.1	Redox (mV) +/- 10 mV	Turbidity (NTU) + 10%	Depth to Water Ft. BGS		Comments
See notes	--	--	--	--	--	--	--	--	--	--	*

Total -- Gallons Purged

Purge Time Start: -- Purge Time End: -- Final Static Water Level: dry

OBSERVATIONS

*Insufficient amount of water fill flow through cell to get water quality readings, well went dry, upon recharge, well sampled.

Sample @ 1145

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WELL I.D.: RIMW-16R

Project Name:	Former Wollensack Optical
Location:	872 & 886 Hudson Ave, Rochester, NY
Project No.:	2182207
Sampled By:	Jeff Folger
Date:	6/30/2020
Weather:	Indoors

WELL SAMPLING INFORMATION

Well Diameter:	2”	Static Water Level:	10.40
Depth of Well:		Length of Well Screen:	15’
Measuring Point:	TOC	Depth to Top of Pump:	NA
Pump Type:	Sampled via bailer	Tubing Type:	NA

OBSERVATIONS

- Well RIMW-16R sampled via bailer at 12:30
- Sampled via bailer due to presence of sodium permanganate in well (potential to damage water quality meter).
- As such, no parameters collected

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WELL I.D.: RIMW-19S

Project Name:	Former Wollensack Optical
Location:	872 & 886 Hudson Ave, Rochester, NY
Project No.:	2182207
Sampled By:	Jeff Folger
Date:	6/30/2020
Weather:	Indoors

WELL SAMPLING INFORMATION

Well Diameter:	2”	Static Water Level:	10.67
Depth of Well:		Length of Well Screen:	15’
Measuring Point:	TOC	Depth to Top of Pump:	NA
Pump Type:	Sampled via bailer	Tubing Type:	NA

OBSERVATIONS

- Well RIMW-19S sampled via bailer at 12:45
- Sampled via bailer due to presence of sodium permanganate in well (potential to damage water quality meter).
- As such, no parameters collected

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WELL I.D.: RIMW-19D

Project Name:	Former Wollensack Optical
Location:	872 & 886 Hudson Ave, Rochester, NY
Project No.:	2182207
Sampled By:	Jeff Folger
Date:	6/30/2020
Weather:	Indoors

WELL SAMPLING INFORMATION

Well Diameter:	2”	Static Water Level:	10.71
Depth of Well:		Length of Well Screen:	8.5’ in bedrock.
Measuring Point:	TOC	Depth to Top of Pump:	NA
Pump Type:	Sampled via bailer	Tubing Type:	NA

OBSERVATIONS

- Well RIMW-19D sampled via bailer at 1300
- Sampled via bailer due to presence of sodium permanganate in well (potential to damage water quality meter).
- As such, no parameters collected

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WELL I.D.: RIMW-04

Project Name: Former Wollensack Optical
Location: 872 & 886 Hudson Ave, Rochester, NY
Project No.: 2182207
Sampled By: Jeff Folger
Date: 6/30/2020
Weather: Indoors

WELL SAMPLING INFORMATION

Well Diameter:	1”	Static Water Level:	1.59
Depth of Well:	4.32 (measured at time of sampling)	Length of Well Screen:	5-ft
Measuring Point:	TOC	Depth to Top of Pump:	~3.75’
Pump Type:	Peristaltic	Tubing Type:	¼ inch LDPE

FIELD PARAMETER MEASUREMENT

Time	Pump Rate (mL/min)	Gallons Purged	Temp °C	Dissolved O_2 (mg/L) + 10%	Conductivity (mS/cm) +/- 3%	pH +/- 0.1	Redox (mV) +/- 10 mV	Turbidity (NTU) + 10%	Depth to Water Ft. BGS		Comments
1045			17.0	9.2	1.033	7.83	-127.9	189.7			
1050			17.0	2.1	1.019	7.62	-138.0	84.2			
1055			17.5	10.8	1.014	7.58	-136.1	156.2			

Total ~0.1 Gallons Purged

Purge Time Start: 1045 Purge Time End: 1055 Final Static Water Level: dry

OBSERVATIONS

Well running dry
Sample @ 1100

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WELL I.D.: RIMW-02

Project Name: Former Wollensack Optical
Location: 872 & 886 Hudson Ave, Rochester, NY
Project No.: 2182207
Sampled By: Jeff Folger
Date: 6/30/2020
Weather: Indoors

WELL SAMPLING INFORMATION

Well Diameter:	1”	Static Water Level:	1.95
Depth of Well:	6.22 (measured at time of sampling)	Length of Well Screen:	5-ft
Measuring Point:	TOC	Depth to Top of Pump:	~5.75’
Pump Type:	Peristaltic	Tubing Type:	¼ inch LDPE

FIELD PARAMETER MEASUREMENT

Time	Pump Rate (mL/min)	Gallons Purged	Temp °C	Dissolved O_2 (mg/L) + 10%	Conductivity (mS/cm) +/- 3%	pH +/- 0.1	Redox (mV) +/- 10 mV	Turbidity (NTU) + 10%	Depth to Water Ft. BGS		Comments
1115			15.7	16.4	1.312	7.56	-160.2	1468.7			
1120			16.1	14.2	1.353	7.49	-149.3	1490.1			

Total ~0.1 Gallons Purged

Purge Time Start: 1115 Purge Time End: 1120 Final Static Water Level: dry

OBSERVATIONS

Well running dry
Sample @ 1120

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WELL I.D.: BW-01

Project Name: Former Wollensack Optical
Location: 872 & 886 Hudson Ave, Rochester, NY
Project No.: 2182207
Sampled By: Jeff Folger
Date: 6/30/2020
Weather: 75°F mostly sunny

WELL SAMPLING INFORMATION

Well Diameter:	4”	Static Water Level:	11.71
Depth of Well:	33.18 (measured at time of sampling)	Length of Well Screen:	~10-ft open rock
Measuring Point:	TOC	Depth to Top of Pump:	28’
Pump Type:	Peristaltic	Tubing Type:	¼ inch LDPE

FIELD PARAMETER MEASUREMENT

Time	Pump Rate (mL/min)	Gallons Purged	Temp °C	Dissolved O_2 (mg/L) + 10%	Conductivity (mS/cm) +/- 3%	pH +/- 0.1	Redox (mV) +/- 10 mV	Turbidity (NTU) + 10%	Depth to Water Ft. BGS		Comments
0900			16.1	12.2	5.517	12.57	-142.5	5.0			
0905			18.6	14.3	5.548	12.36	-198.7	5.8			
0910			20.4	16.7	5.589	12.10	-240.2	8.5			
0915			16.4	6.6,	5.680	12.22	-296.5	4.2			
0920			16.0	3.8	5.681	12.18	-304.1	2.6			
0925			16.4	3.5	5.675	12.15	-308.4	3.0			
0930			17.1	3.4	5.648	12.13	-302.6	2.0			

Total ~0.5 Gallons Purged

Purge Time Start: 0900 Purge Time End: 0930 Final Static Water Level: --

OBSERVATIONS

Sample@ 930
QA/QC here
MS/MSD here

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WELL I.D.: SB-MW-14

Project Name: Former Wollensack Optical
Location: 872 & 886 Hudson Ave, Rochester, NY
Project No.: 2182207
Sampled By: Jeff Folger
Date: 6/30/2020
Weather: 75°F mostly sunny

WELL SAMPLING INFORMATION

Well Diameter:	1"	Static Water Level:	8.80
Depth of Well:	16.02 (measured at time of sampling)	Length of Well Screen:	
Measuring Point:	TOC	Depth to Top of Pump:	~14'
Pump Type:	Peristaltic	Tubing Type:	¼ inch LDPE

FIELD PARAMETER MEASUREMENT

Time	Pump Rate (mL/min)	Gallons Purged	Temp °C	Dissolved O_2 (mg/L) + 10%	Conductivity (mS/cm) +/- 3%	pH +/- 0.1	Redox (mV) +/- 10 mV	Turbidity (NTU) + 10%	Depth to Water Ft. BGS		Comments
0950			15.7	30.0	0.927	9.89	-86.5	266.7			
0955			16.8	5.0	0.890	8.56	-91.2	382.7			
1000			17.4	10.1	0.861	8.32	-102.1	1010			

Total ~0.15 Gallons Purged

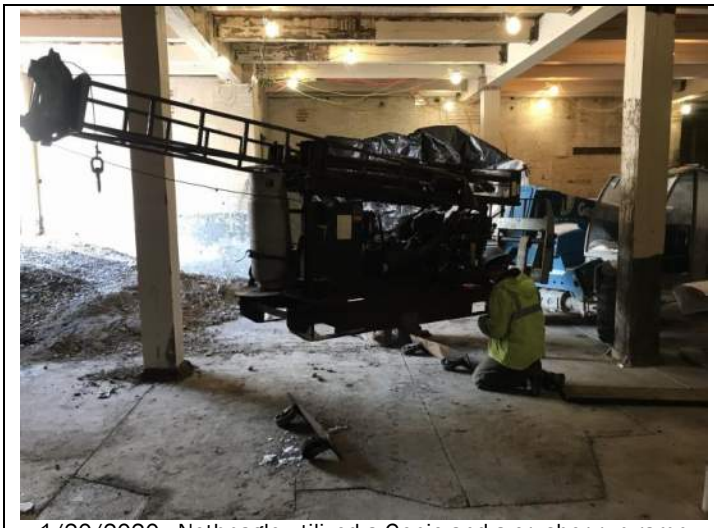
Purge Time Start: 0950 Purge Time End: 1000 Final Static Water Level: --

OBSERVATIONS

Well running dry at 1000
Sample @ 1005

APPENDIX G

Photo Log



1/20/2020 - Nothnagle utilized a Genie and a crusher run ramp located in the north eastern corner of the room to deploy the rig.



1/20/2020 – Drilling began on IW-S-01.



1/21/2020 – Northern portion of room with two (2) CAMPs set up. Near the end of February, the doorway CAMP was placed outside the building next to the doorway to identify any dust emerging from building. Most, if not all the dust was caused by the masons and framers working alongside the rig. (Refer to field notes for details).



1/22/2020 – Decontamination pad and injection well supplies storage area.



1/22/2020 – Decontamination pad. A sump pump was used to pump the water from the pad into drums. A LaBella representative checked for holes in the double poly pad routinely.



1/23/2020 – Typical appearance of overburden injection well after installation. Notice how information of the well was printed on the side of the stick up to ensure that every well had the correct identification.



2/3/2020 – The bed rock typically had 4 to 12 inches of dolomite at the top with 3 to 12 inches of a dense till filled void followed by more dolomite. The dolomite did not show signs of many natural fractures, however there were several mechanical fractures due to the drilling process.



2/5/2020 – Soil transport to poly coated roll off dumpster.



2/11/2020 – Installation of IW-S-13/IW-D-13. Notice how tiles were removed prior to drilling to ensure that tile dust did not become airborne due to naturally occurring radioactivity in the tile.



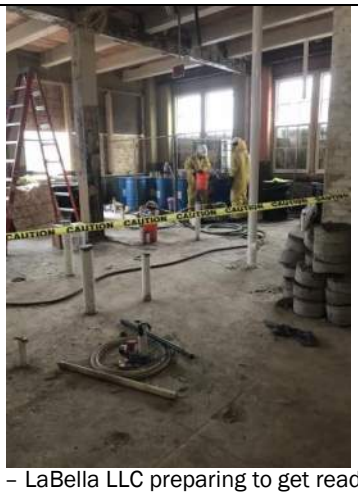
2/17/2020 – Shown is the process of keeping the rock core bit watered during rock coring and installation of bedrock injection wells.



2/18/2020 – Typical nested injection well. Red tapped wells were bedrock wells and black tapped wells were overburden wells.



3/6/2020 – Last day drill was on site. The rig got taken out using the gravel ramp in the north west corner of the building.



3/10/2020 – LaBella LLC preparing to get ready a batch of permanganate solution to inject into the ground. Caution tape surrounded the work zone at all times and the drums of chemical were stored on secondary containment that was gated and locked every night after work.



3/12/2020 – Typical injection setup where the joint connecting the pump hose to the PVC injection well was surrounded by poly using a tripod to ensure minimal chemical splatter if the seal was compromised.



3/12/2020 – Daylighting of the permanganate solution was seen coming through cracks in the concrete or seams in tiles at various injection well locations. All daylighting spills were neutralized and cleaned. Refer to injection well table for additional details.



3/31/2020 – Ventilation used for concrete cutting.



4/3/2020 – Soil removed from trenching was screened and placed on poly. The soil pile got covered with poly at the end of each day.



4/6/2020 – PVC pipping running from the basement to the injection wells.



4/6/2020 – PVC piping running into the injection wells.

APPENDIX H

AMS Radiological Remediation Project Report

Austin Master Services
801 N 1st St
Martins Ferry, OH
740-609-3806 Main Number

1/28/2020

Ms. Carolyn Vitale
Jeffeson Wollensack LLC
312 State Street
Rochester, NY 14614

Re: Former Wollensack Suite Optical January 2020 Radiological Remediation Project

Dear Ms. Vitale

Austin Master Services, LLC (AMS) was contracted to remediate two radiologically contaminated areas at the former Wollensack Optical facility located at 872-886 Hudson Avenue in Rochester New York. The Site is in the New York State Department of Environmental Conservation's (NYSDEC's) Brownfield Cleanup Program as facility #C828209. The radiologically contaminated areas were 1) a small (3' x3") contaminated area of floorboards on the third floor of the building and the sump located on the first floor of the building. The July 2019 report from AMS to your office provides the survey details for both those areas. The following summarizes the results of the remediation activities and AMS recommendations for future actions:

- The 3rd floor area has been successfully removed and no residual contamination remains in the area.
- The interior of sump, after several pressure washings exhibits surface count rates greater than background for the building but do not contribute or increase the building background dose rates above the sump.
- AMS believes those elevated count rates are due to naturally occurring radioactive material contained within the glazed tera cotta material of which the sump is comprised.
- Because 1) the dose rates in the occupied area above the sump are at background levels for the building, 2) the elevated count rates are primarily from the terra cotta material, and 3) the plan is to fill the sump with concrete and install a 30" raised floor above the sump, the radiological risk to any future occupant is zero; consequently AMS recommends no further effort be made to either clean or remove the sump.

The remediation approach, as described in the Radiation Protection Plan (RPP) consisted of the following steps.

1. Cut through the "non-contaminated area surrounding the contaminated 3'x3' section of the floor and remove the 3' x 3' section plus a small uncontaminated border section.
2. Place the removed section into a waste container for disposal out-of state at a suitably permitted facility.
3. Upon completion of the 3rd floor section removal, perform a post remediation/removal survey that includes a wipe and direct measurement of the surfaces adjacent to the removed area.
4. In addition, survey the area, with wipes and direct measurements in the area on the second floor directly below the removed section. This second survey was performed to ensure no loose contaminants fell to the floor below.
5. For the sump, remove the materials in the sump and place in a waste container for disposal out-of state at a suitably permitted facility.
6. After removal of the sump debris, use a pressure washer to clean the interior. Decontamination debris and water were removed and placed in suitable containers for disposal at a suitably permitted out of state facility.
7. After each pressure washing survey the interior of the sump and compare contamination levels to the release criteria recommended by NYSDEC.

8. Note that the release criteria denoting no contamination present was established at the 95% confidence level for the average of the background counts for removable and total surface alpha and beta emissions.

Table 1 below lists the post remediation survey results for the third and second floor areas. The survey detail sheets are contained in Attachment 2 to this letter report. The average post remediation survey count rates were then compared with the background 95% confidence levels for the wood floor in the building; see Attachment 1 for background survey measurements. Post remediation surveys showed the removable contamination and total surface contamination were all less than the 95% CL action level.

Table 1 - 3rd & 2nd Floor Post Remediation Survey Data and Comparison to 95% CL Action Limits

	3rd Floor				2nd Floor (beneath 3rd floor removal area)			
	Wipes		Direct		Wipes		Direct	
	Counts				Counts			
	alpha	Beta	alpha	Beta	alpha	Beta	alpha	Beta
	1	72	7	214	0	50	3	225
	0	70	5	201	0	53	4	214
	0	77	6	199	1	50	7	228
	0	68	3	227	1	56	4	206
	0	83	4	236	0	48	2	223
	0	60	4	219	0	47	1	202
	1	55	5	210	Not Sampled			
	0	53	4	239				
	0	58	6	236				
	0	49	4	201				
	2	52	4	213				
	1	44	5	228				
Mean	0.2	71.7	4.8	216.0	0.3	50.7	3.5	216.3
95% CL (for wood surface)	3.5	85.3	7.8	239.0	3.5	85.3	7.8	239.0

As shown in Table 2, the post remediation direct surface counts for the sump did not meet the RPP 95% confidence levels being used for the release criteria. This was likely a result of the composition of the sump and not the contamination from former facility operations. Survey data sheets are contained in Attachment 3 to this letter report.

The sump is made from a terra cotta material with glazing similar to that found in floor tile on the first floor during the July 2019 scoping survey. It is suspected that the glazing contains some elevated concentrations (i.e. above normal background for the Rochester area) of naturally occurring radionuclides, which is resulting in the alpha and beta surface emissions above the 95% CL. Because this building material itself is naturally slightly radioactive, further surface decontamination will be ineffective in reducing levels below the 95% CL. See Table 2 below for a results summary.

Table 2- Sump Post Remediation Survey Data and Comparison to 95% CL Action Limits

	Wipes (counts)		Direct (counts)	
	α	β	α	β
	1	43	95	874
	9	62	93	1032
	1	52	34	673
	8	76	98	1470
	5	39	52	850
	2	60	28	859
	3	68	16	631
	4	57	91	1064
	2	45	22	663
Mean	3.9	55.8	58.8	901.8
95% CL Bkgd	3.5	85.3	10.1	366.9

Dose rate measurements were made one foot above the sump and then throughout the first floor. The values were 8 urem/h and were consistent with background levels found throughout the building. Given that the dose rate is indistinguishable from background and the building renovation plan is to fill in the sump and then raise the existing first floor elevation over the sump area by approximately 30 inches, there will be no radiological risk to future occupants. Consequently, AMS recommends no further remediation effort be applied to this area.

Finally, approximately 50 ft^3 of contaminated debris and water has been collected to date; there will be additional waste generated from tear down of the sump containment. Drums are currently located in a posted radioactive materials storage area awaiting disposal by AMS. The contaminated debris removal will take place within the next 30 days.

Feel free to call (518-859-1944) or email (pcollopy@austinmasterservices.com) with any questions or comments.

Respectfully,

Peter Collopy

Peter Collopy, CHP, CIH, CSP
AMS Radiation Safety Officer

Attachments:

Attachment 1 –Background Measurements
Attachment 2 - Post Second and Third Floor Remediation Survey Data Sheets
Attachment 3 - Post Sump Remediation Survey Data Sheets

cc: Jack Bement

Attachment 1
Instrument Background Values and 95% CLs

Background Count Rates and 95% Confidence Level Values

Ludlum 2929 Ser. No: 111575				Ludlum 2360 Ser. No. 311203				Ludlum 2360 Ser. No. 311203		
Removable				Direct - Concrete				Direct - Wood		
Count	alpha	beta		Count	alpha	beta		Count	alpha	beta
1	1	43		1	7	308		1	4	237
2	1	61		2	7	331		2	1	214
3	1	53		3	5	361		3	2	206
4	2	68		4	4	330		4	3	189
5	4	70		5	8	302		5	1	200
6	0	74		6	2	314		6	2	198
7	0	68		7	9	312		7	6	204
8	0	77		8	4	294		8	2	221
9	1	58		9	5	331		9	6	203
10	0	71		10	7	264		10	7	174
average	1	64.3		average	5.8	314.7		average	3.4	204.6
SD	1.2	10.5		SD	2.1	26.1		SD	2.2	17.2
95% CL	3.5	85.3		95% CL	10.1	366.9		95% CL	7.8	239.0

Attachment 2
Post Remediation Survey Data- 2nd and 3rd Floors

Austin Master Services

RADIOLOGICAL SURVEY REPORT

TYPE: **AREA / LOCATION:** Wollensack- Third Floor **SURVEY#:** W-2020-002

Contamination Survey Instrument Data

ID	Type	Serial #	Cal. Due	probe area (cm²)	α Eff.		β Eff.		Bkg α (total counts) Rb	Bkg β (total counts) Rb	Sample count time (minutes) Ts	Bkg count time (minutes) Tb	DL (dpm) α	DL (dpm) β	Units
					Instr.	Surface	Inst	Surface							
1	Ludlum 2929	111575	11/21/2020	100	0.3312	0.9	0.2454	1	35	853	1	10	10.9	65.1	/100cm2
2	Ludlum 2360	278541	5/6/2020	100	0.2047	0.25	0.1545	0.54	78	2390	1	10	94.4	320.7	/100cm2

Exposure Rate Survey Instrument Data

Type	Serial #	Cal. Due

Unrestricted Release Criteria

Removable (dpm/100 cm²)		Total (dpm/100 cm2)	
α	β	α	β
Avg. < 95% Bkgd CL			

$$DL = \frac{1.65 * \sqrt{R_b * T_S * \left(1 + \frac{T_S}{T_B}\right)}}{E_{inst} * T_S}$$

Survey No.	Type (D, S)	Inst. ID	Location or Item Description	Gross count rate α (cpm)	Net count rate α (cpm)	Gross count rate β (cpm)	Net count rate β (cpm)	DPM α	DPM β	Units
1	S	1	Wollensack 3rd Floor Contaminated wood floor	1	-2.5	72	-13.3	<DL	<DL	/100cm2
2	S	1	Wollensack 3rd Floor Contaminated wood floor	0	-3.5	70	-15.3	<DL	<DL	/100cm2
3	S	1	Wollensack 3rd Floor Contaminated wood floor	0	-3.5	77	-8.3	<DL	<DL	/100cm2
4	S	1	Wollensack 3rd Floor Contaminated wood floor	0	-3.5	68	-17.3	<DL	<DL	/100cm2
5	S	1	Wollensack 3rd Floor Contaminated wood floor	0	-3.5	83	-2.3	<DL	<DL	/100cm2
6	S	1	Wollensack 3rd Floor Contaminated wood floor	0	-3.5	60	-25.3	<DL	<DL	/100cm2
7	S	1	Wollensack 3rd Floor Contaminated wood floor	1	-2.5	55	-30.3	<DL	<DL	/100cm2
8	S	1	Wollensack 3rd Floor Contaminated wood floor	0	-3.5	53	-32.3	<DL	<DL	/100cm2
9	S	1	Wollensack 3rd Floor Contaminated wood floor	0	-3.5	58	-27.3	<DL	<DL	/100cm2
10	S	1	Wollensack 3rd Floor Contaminated wood floor	0	-3.5	49	-36.3	<DL	<DL	/100cm2
11	S	1	Wollensack 3rd Floor Contaminated wood floor	2	-1.5	52	-33.3	<DL	<DL	/100cm2
12	S	1	Wollensack 3rd Floor Contaminated wood floor	1	-2.5	44	-41.3	<DL	<DL	/100cm2

Survey Types

D = Direct Scan

S = Swipe

NOTES

1. "Probe Area (cm²)/100 cm²" not used in MDA equation for Scalers.
2. A map is not required if sufficient detail can be included on this page.
3. Activity for direct (D) measurements corrected for probe area to 100 cm².
4. Swipes obtained over 100 cm² when the accessible surface area item exceeds 100cm².
5. **Notify RSO/SRSO when contamination levels exceed Unrestricted Release Criteria Noted Above**.

Survey Performed By:

Print name: Kyle Klein

Signature: KJK

Date: 1/16/2020

Survey Reviewed By:

Print name: Peter Collopy PC

Signature:

Date: 1/19/2020

Austin Master Services

Area/Location: **Wollensack- Third Floor** **Survey#:** **W-2020-002**

RADIOLOGICAL SURVEY REPORT CONTINUATION SHEET

Survey No.	Type (D, S)	Inst. ID	Location or Item Description	Gross count rate α (cpm)	Net count rate α (cpm)	Gross count rate β (cpm)	Net count rate β (cpm)	DPM α	DPM β	Units
1	D	2	Wollensack 3rd Floor Contaminated wood floor	7	-0.8	214	-25	<DL	<DL	/100cm2
2	D	2	Wollensack 3rd Floor Contaminated wood floor	5	-2.8	201	-38	<DL	<DL	/100cm2
3	D	2	Wollensack 3rd Floor Contaminated wood floor	6	-1.8	199	-40	<DL	<DL	/100cm2
4	D	2	Wollensack 3rd Floor Contaminated wood floor	3	-4.8	227	-12	<DL	<DL	/100cm2
5	D	2	Wollensack 3rd Floor Contaminated wood floor	4	-3.8	236	-3	<DL	<DL	/100cm2
6	D	2	Wollensack 3rd Floor Contaminated wood floor	4	-3.8	219	-20	<DL	<DL	/100cm2
7	D	2	Wollensack 3rd Floor Contaminated wood floor	5	-2.8	210	-29	<DL	<DL	/100cm2
8	D	2	Wollensack 3rd Floor Contaminated wood floor	4	-3.8	239	0	<DL	<DL	/100cm2
9	D	2	Wollensack 3rd Floor Contaminated wood floor	6	-1.8	236	-3	<DL	<DL	/100cm2
10	D	2	Wollensack 3rd Floor Contaminated wood floor	4	-3.8	201	-38	<DL	<DL	/100cm2
11	D	2	Wollensack 3rd Floor Contaminated wood floor	4	-3.8	213	-26	<DL	<DL	/100cm2
12	D	2	Wollensack 3rd Floor Contaminated wood floor	5	-2.8	228	-11	<DL	<DL	/100cm2

Austin Master Services

RADIOLOGICAL SURVEY REPORT

TYPE: **AREA / LOCATION:** **Wollensak- Second Floor** **SURVEY#:** **W-2020-002**

Contamination Survey Instrument Data

ID	Type	Serial #	Cal. Due	probe area (cm²)	α Eff.		β Eff.		Bkg α (total counts) Rb	Bkg β (total counts) Rb	Sample count time (minutes) Ts	Bkg count time (minutes) Tb	DL (dpm) α	DL (dpm) β	Units
					Instr.	Surface	Inst	Surface							
1	Ludlum 2929	111575	11/21/2020	100	0.3312	0.9	0.2454	1	35	853	1	10	10.9	65.1	/100cm2
2	Ludlum 2360	278541	5/6/2020	100	0.2047	0.25	0.1545	0.54	78	2390	1	10	94.4	320.7	/100cm2

Exposure Rate Survey Instrument Data

Type	Serial #	Cal. Due

Unrestricted Release Criteria

Removable (dpm/100 cm²)		Total (dpm/100 cm2)	
α	β	α	β
Avg. < 95% Bkgd CL			

$$DL = \frac{1.65 * \sqrt{R_b * T_S * \left(1 + \frac{T_S}{T_B}\right)}}{E_{inst} * T_S}$$

Survey No.	Type (D, S)	Inst. ID	Location or Item Description	Gross count rate α (cpm)	Net count rate α (cpm)	Gross count rate β (cpm)	Net count rate β (cpm)	DPM α	DPM β	Units
1	S	1	Woolensak 2nd floor from 3rd Floor fall debris	0	-3.5	50	-35.3	<DL	<DL	/100cm2
2	S	1	Woolensak 2nd floor from 3rd Floor fall debris	0	-3.5	53	-32.3	<DL	<DL	/100cm2
3	S	1	Woolensak 2nd floor from 3rd Floor fall debris	1	-2.5	50	-35.3	<DL	<DL	/100cm2
4	S	1	Woolensak 2nd floor from 3rd Floor fall debris	1	-2.5	56	-29.3	<DL	<DL	/100cm2
5	S	1	Woolensak 2nd floor from 3rd Floor fall debris	0	-3.5	48	-37.3	<DL	<DL	/100cm2
6	S	1	Woolensak 2nd floor from 3rd Floor fall debris	0	-3.5	47	-38.3	<DL	<DL	/100cm2
1	D	2	Woolensak 2nd floor from 3rd Floor fall debris	3	-4.8	225	-14	<DL	<DL	/100cm2
2	D	2	Woolensak 2nd floor from 3rd Floor fall debris	4	-3.8	214	-25	<DL	<DL	/100cm2
3	D	2	Woolensak 2nd floor from 3rd Floor fall debris	7	-0.8	228	-11	<DL	<DL	/100cm2
4	D	2	Woolensak 2nd floor from 3rd Floor fall debris	4	-3.8	206	-33	<DL	<DL	/100cm2
5	D	2	Woolensak 2nd floor from 3rd Floor fall debris	2	-5.8	223	-16	<DL	<DL	/100cm2
6	D	2	Woolensak 2nd floor from 3rd Floor fall debris	1	-6.8	202	-37	<DL	<DL	/100cm2

Survey Types

D = Direct Scan

S = Swipe

NOTES

1. "Probe Area (cm²)/100 cm²" not used in MDA equation for Scalers.
2. A map is not required if sufficient detail can be included on this page.
3. Activity for direct (D) measurements corrected for probe area to 100 cm².
4. Swipes obtained over 100 cm² when the accessible surface area item exceeds 100cm².
5. **Notify RSO/SRSO when contamination levels exceed Unrestricted Release Criteria Noted Above**.

Survey Performed By:

Print name: Kyle Klein

Signature: KJK

Date: 1/16/2020

Survey Reviewed By:

Print name: Peter Collopy PC

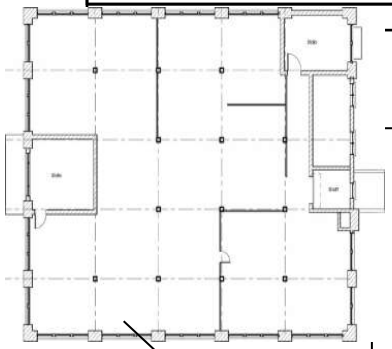
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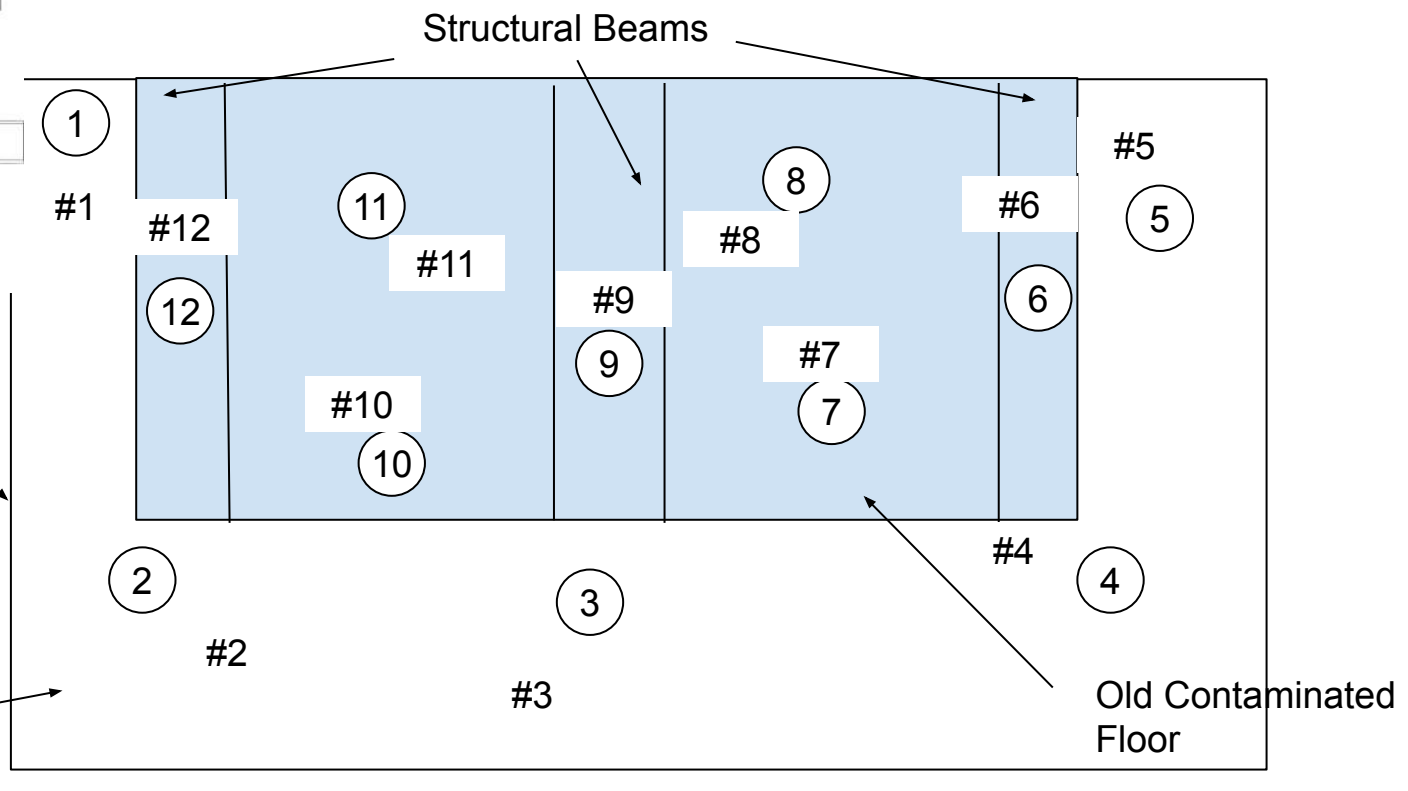
Date: 1/19/2020

Austin Master Services

RADIOLOGICAL SURVEY REPORT

Survey #: W-2020-01	☐Routine
BLDG: Wollensack	☐Non-Routine (Specify)
Area/Room: Third Floor	☐Follow Up
RWP#:	Surveyed By: Kyle Klein
Date: 1-16-2020	Comments: Instrument used: 2360 w/ 43-93 probe 1 minute static counts 10cm from floor
Time:	☑ 2929 for contamination swipes
	☑





NOTES	
Dose Rates in µR/h unless otherwise noted	Radiological barriers indicated by ----x----x----x----
Annotation Conventions	
Direct Scan annotated by: #	On contact radiation survey annotated by: *
Swipe annotated by: O	Distance from source annotated by: @ Y cm
Large Area Wipes annotated by: ◇	General area dose rates annotated as a number only
Air sample annotated by Δ	

Attachment 3
Sump Survey Data Post Pressure Wash and Decon

Austin Master Services

RADIOLOGICAL SURVEY REPORT

TYPE: **AREA / LOCATION:** Wollensack- Sump **SURVEY#:** W-2020-002

Contamination Survey Instrument Data

ID	Type	Serial #	Cal. Due	probe area (cm²)	α Eff.		β Eff.		Bkg α (total counts) Rb	Bkg β (total counts) Rb	Sample count time (minutes) Ts	Bkg count time (minutes) Tb	DL (dpm) α	DL (dpm) β	Units
					Instr.	Surface	Inst	Surface							
1	Ludlum 2929	111575	11/21/2020	100	0.3312	0.9	0.2454	1	35	853	1	10	10.9	65.1	/100cm2
2	Ludlum 2360	278541	5/6/2020	100	0.2047	0.25	0.1545	0.54	78	2390	1	10	94.4	320.7	/100cm2

Exposure Rate Survey Instrument Data

Type	Serial #	Cal. Due

Unrestricted Release Criteria

Removable (dpm/100 cm²)		Total (dpm/100 cm2)	
α	β	α	β
Avg. < 95% Bkgd CL			

$$DL = \frac{1.65 * \sqrt{R_b * T_S * \left(1 + \frac{T_S}{T_B}\right)}}{E_{inst} * T_S}$$

Survey No.	Type (D, S)	Inst. ID	Location or Item Description	Gross count rate α (cpm)	Net count rate α (cpm)	Gross count rate β (cpm)	Net count rate β (cpm)	DPM α	DPM β	Units
1	S	1	Sump Wipes After First Decon	6	2.5	58	-27.3	<DL	<DL	/100cm2
2	S	1	Sump Wipes After First Decon	0	-3.5	46	-39.3	<DL	<DL	/100cm2
3	S	1	Sump Wipes After First Decon	0	-3.5	61	-24.3	<DL	<DL	/100cm2
4	S	1	Sump Wipes After First Decon	12	8.5	60	-25.3	29	<DL	/100cm2
5	S	1	Sump Wipes After First Decon	7	3.5	80	-5.3	12	<DL	/100cm2
6	S	1	Sump Wipes After First Decon	7	3.5	80	-5.3	12	<DL	/100cm2
7	S	1	Sump Wipes After First Decon	8	4.5	62	-23.3	15	<DL	/100cm2
8	S	1	Sump Wipes After First Decon	20	16.5	84	-1.3	55	<DL	/100cm2
9	S	1	Sump Wipes After First Decon	1	-2.5	51	-34.3	<DL	<DL	/100cm2

Survey Types

D = Direct Scan

S = Swipe

NOTES

1. "Probe Area (cm²)/100 cm²" not used in MDA equation for Scalers.
2. A map is not required if sufficient detail can be included on this page.
3. Activity for direct (D) measurements corrected for probe area to 100 cm².
4. Swipes obtained over 100 cm² when the accessible surface area item exceeds 100cm².
5. **Notify RSO/SRSO when contamination levels exceed Unrestricted Release Criteria Noted Above**.

Survey Performed By:

Print name: Kyle Klein

Signature: KJK

Date: 1/16/2020

Survey Reviewed By:

Print name: Peter Collopy PC

Signature:

Date: 1/19/2020

Austin Master Services

Area/Location: **Wollensack- Sump** **Survey#:** **W-2020-002**

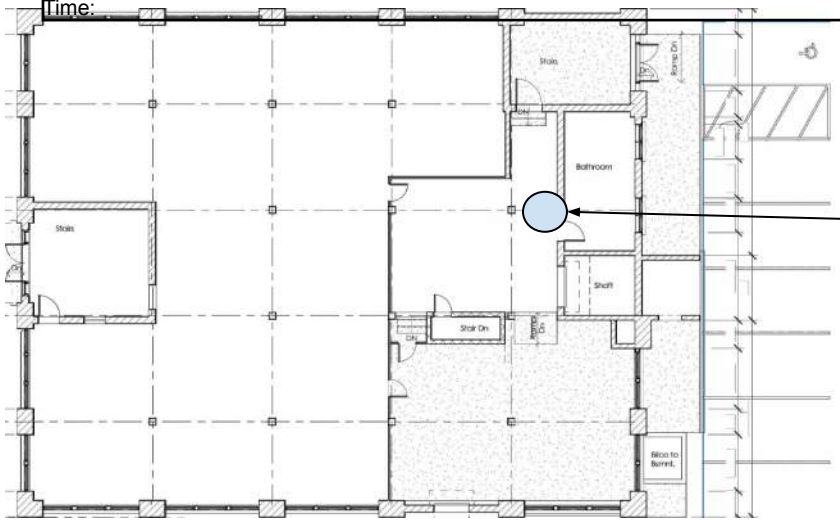
RADIOLOGICAL SURVEY REPORT CONTINUATION SHEET

Survey No.	Type (D, S)	Inst. ID	Location or Item Description	Gross count rate α (cpm)	Net count rate α (cpm)	Gross count rate β (cpm)	Net count rate β (cpm)	DPM α	DPM β	Units
1	D	1	Sump Wipes After Second Decon	1	-2.5	43	-42.3	<DL	<DL	/100cm2
2	D	1	Sump Wipes After Second Decon	9	5.5	62	-23.3	18	<DL	/100cm2
3	D	1	Sump Wipes After Second Decon	1	-2.5	52	-33.3	<DL	<DL	/100cm2
4	D	1	Sump Wipes After Second Decon	8	4.5	76	-9.3	15	<DL	/100cm2
5	D	1	Sump Wipes After Second Decon	5	1.5	39	-46.3	<DL	<DL	/100cm2
6	D	1	Sump Wipes After Second Decon	2	-1.5	60	-25.3	<DL	<DL	/100cm2
7	D	1	Sump Wipes After Second Decon	3	-0.5	68	-17.3	<DL	<DL	/100cm2
8	D	1	Sump Wipes After Second Decon	4	0.5	57	-28.3	<DL	<DL	/100cm2
9	D	1	Sump Wipes After Second Decon	2	-1.5	45	-40.3	<DL	<DL	/100cm2
1	D	2	Direct Counts After 2nd Decon (see Map on 3rd Page)	95	87.2	874	635	1704	7611	/100cm2
2	D	2	Direct Counts After 2nd Decon	93	85.2	1032	793	1665	9505	/100cm2
3	D	2	Direct Counts After 2nd Decon	34	26.2	673	434	512	5202	/100cm2
4	D	2	Direct Counts After 2nd Decon	98	90.2	1470	1231	1763	14755	/100cm2
5	D	2	Direct Counts After 2nd Decon	52	44.2	850	611	864	7324	/100cm2
6	D	2	Direct Counts After 2nd Decon	28	20.2	859	620	395	7431	/100cm2
7	D	2	Direct Counts After 2nd Decon	16	8.2	631	392	160	4699	/100cm2
8	D	2	Direct Counts After 2nd Decon	91	83.2	1064	825	1626	9889	/100cm2
9	D	2	Direct Counts After 2nd Decon	22	14.2	663	424	277	5082	/100cm2

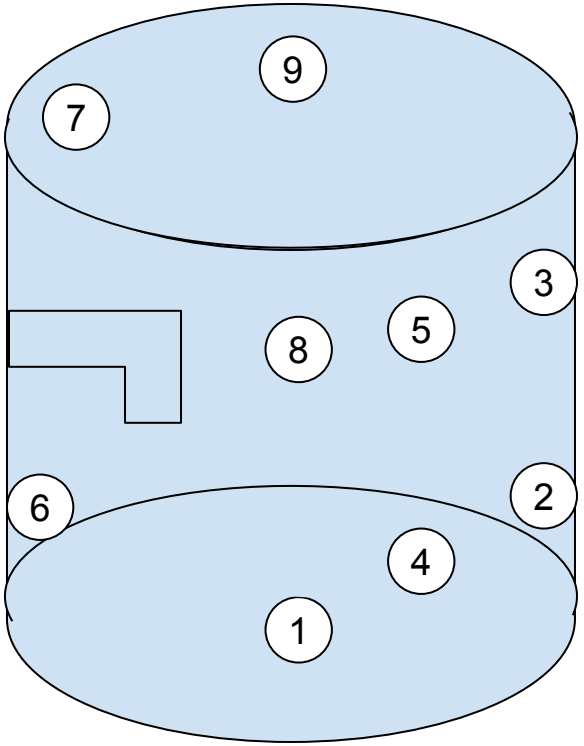
Austin Master Services

RADIOLOGICAL SURVEY REPORT

Survey #: W-2020-03	☐Routine
BLDG: Wollensack	☐Non-Routine (Specify)
Area/Room:	☐Follow Up
RWP#:	Surveyed By: Kyle Klein
Date: 1-17-2020	Comments:Instrument used: 2360 w/ 43-93 probe 1 minute static counts 10cm from floor 2929 for contamination swipes
Time:	☑



Sump



#3

NOTES	
Dose Rates in µR/h unless otherwise noted	Radiological barriers indicated by ----x----x----x----
Annotation Conventions	
Direct Scan annotated by: #	On contact radiation survey annotated by: *
Swipe annotated by: O	Distance from source annotated by: @ Y cm
Large Area Wipes annotated by:◇	General area dose rates annotated as a number only
Air sample annotated by Δ	

APPENDIX I

Waste Disposal Documentation

Boiler Brick
Disposal Documentation

TR 1

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of 1	3. Emergency Response Phone	4. Waste Tracking Number

GENERATOR

5. Generator's Name and Mailing Address
Jefferson Wollensack, LLC
312 State St., Rochester, NY 14614
Generator's Phone: (585) 454-5710

Generator's Site Address (if different than mailing address)
872 Hudson Avenue
Rochester, NY 14611

6. Transporter 1 Company Name — U.S. EPA ID Number

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address — U.S. EPA ID Number
High Acres Landfill
425 Perinton Parkway, Fairport, NY 14450
Facility's Phone: (585) 512-2465

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Boiler fire brick	1	DT	10	T	
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information
Profile # 121794NY
Weight is estimated

14. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Jeffrey Folger, on behalf of Jefferson Wollensack LLC — Signature — Month: 1 — Day: 6 — Year: 2020

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Jeffrey J. Tomb — Signature — Month: 1 — Day: 6 — Year: 2020

Transporter 2 Printed/Typed Name — Signature — Month — Day — Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month — Day — Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: D. Duffy — Signature — Month: 1 — Day: 6 — Year: 20

169-BLC-O 5 11977 (Rev. 9/09)

DESIGNATED FACILITY TO GENERATOR

WASTE MANAGEMENT

Waste Management High Acres LF
425 Perinton Pkwy
Fairport, NY, 14450
Ph: (585) 223-6132

Original
Ticket# 1328634

Customer Name	LABELLAPC-121794NY LABELLA AS	Carrier	TR T&R ENVIRONMENTAL
Ticket Date	01/06/2020	Vehicle#	1
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	
Hauling Ticket#		Check#	
Route		Billing #	0007843
State Waste Code		Gen EPA ID	
Manifest	NA	Grid	CELL 12A
Destination			
PO			
Profile	121794NY (BOILER FIRE BRICK)		
Generator	190-JEFFERSONWOLLENSACK JEFFERSON WOLLENSACK, LLC		

Volume

	Time	Scale	Operator	Inbound		
In	01/06/2020 10:17	A_Scale_1	SD #604682		Gross	32880 lb
Out	01/06/2020 10:37	B_Scale_2	SD #604682		Tare	16860 lb
					Net	16020 lb
					Tons	8.01

Comments

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	Special Misc-Tons-	100	8.01	Tons				MON
2	EVF-P-Standard Env	100		%				
3	RCR-P-Regulatory C'	100		%				
4	LFS4-LANDFILL FIXE	100		%				

Total Fees
Total Ticket

Driver's Signature_____

LA Bella
Jennifer -

Attachment
Boiler Brick Analysis

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

June 12, 2019

Pete Collopy
Woolensack Optical

872 Hudson Ave
Rochester, NY 14621

RE: Project: Woolensack Optical
Pace Project No.: 30298432

Dear Pete Collopy:
Enclosed are the analytical results for sample(s) received by the laboratory on June 07, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jacquelyn Collins
jacquelyn.collins@pacelabs.com
(724)850-5612
Project Manager

Enclosures

cc: Mr. Neil Rivel, Austin Master Services

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Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

CERTIFICATIONS

Project: Woolensack Optical
Pace Project No.: 30298432

Pennsylvania Certification IDs

1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 04222CA
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
Delaware Certification
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Florida: Cert E871149 SEKS WET
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas/TNI Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA180012
Louisiana DEQ/TNI Certification #: 4086
Maine Certification #: 2017020
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572018-1
New Hampshire/TNI Certification #: 297617
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-010
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: 02867
Texas/TNI Certification #: T104704188-17-3
Utah/TNI Certification #: PA014572017-9
USDA Soil Permit #: P330-17-00091
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 9526
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad
Wyoming Certification #: 8TMS-L

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Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

SAMPLE SUMMARY

Project: Woolensack Optical
Pace Project No.: 30298432

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30298432001	**Woolensackboilbase**	Solid	06/05/19 10:36	06/07/19 09:40

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

SAMPLE ANALYTE COUNT

Project: Woolensack Optical
Pace Project No.: 30298432

Lab ID	Sample ID	Method	Analysts	Analytes Reported
30298432001	**Woolensackboilbase**	EPA 901.1	MAH	10

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1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Woolensack Optical
Pace Project No.: 30298432

Sample: Woolensackboilbase **Lab ID: 30298432001** Collected: 06/05/19 10:36 Received: 06/07/19 09:40 Matrix: Solid
PWS: Site ID: Sample Type:

Results reported on a "dry-weight" basis

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Actinium-227	EPA 901.1	**0.672 ± 0.669 (0.644) C:NA T:NA**	pCi/g	06/12/19 09:33	14952-40-0	
Actinium-228	EPA 901.1	**3.228 ± 0.551 (0.249) C:NA T:NA**	pCi/g	06/12/19 09:33	14331-83-0	
Bismuth-212	EPA 901.1	**3.941 ± 1.214 (0.898) C:NA T:NA**	pCi/g	06/12/19 09:33	14913-49-6	
Bismuth-214	EPA 901.1	**2.390 ± 0.402 (0.166) C:NA T:NA**	pCi/g	06/12/19 09:33	14733-03-0	
Lead-212	EPA 901.1	**2.877 ± 0.429 (0.174) C:NA T:NA**	pCi/g	06/12/19 09:33	15092-94-1	
Lead-214	EPA 901.1	**2.523 ± 0.411 (0.170) C:NA T:NA**	pCi/g	06/12/19 09:33	15067-28-4	
Potassium-40	EPA 901.1	**9.746 ± 1.698 (0.604) C:NA T:NA**	pCi/g	06/12/19 09:33	13966-00-2	
Radium-223	EPA 901.1	**0.853 ± 0.352 (0.385) C:NA T:NA**	pCi/g	06/12/19 09:33	15623-45-7	
Radium-226	EPA 901.1	**6.158 ± 2.062 (1.960) C:NA T:NA**	pCi/g	06/12/19 09:33	13982-63-3	RA
Thallium-208	EPA 901.1	**1.010 ± 0.174 (0.073) C:NA T:NA**	pCi/g	06/12/19 09:33	14913-50-9	

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL - RADIOCHEMISTRY

Project: Woolensack Optical
Pace Project No.: 30298432

QC Batch: 345663 Analysis Method: EPA 901.1
QC Batch Method: EPA 901.1 Analysis Description: 901.1 Gamma Spec
Associated Lab Samples: 30298432001

METHOD BLANK: 1681736 Matrix: Solid
Associated Lab Samples: 30298432001

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Actinium-227	0.074 ± 0.124 (0.359) C:NA T:NA	pCi/g	06/05/19 09:59	
Actinium-228	0.062 ± 0.145 (0.169) C:NA T:NA	pCi/g	06/05/19 09:59	
Bismuth-212	0.046 ± 0.525 (0.593) C:NA T:NA	pCi/g	06/05/19 09:59	
Bismuth-214	0.059 ± 0.066 (0.112) C:NA T:NA	pCi/g	06/05/19 09:59	
Lead-212	0.022 ± 0.067 (0.083) C:NA T:NA	pCi/g	06/05/19 09:59	
Lead-214	0.000 ± 0.031 (0.111) C:NA T:NA	pCi/g	06/05/19 09:59	
Potassium-40	0.000 ± 0.104 (0.656) C:NA T:NA	pCi/g	06/05/19 09:59	
Radium-223	0.000 ± 0.086 (0.270) C:NA T:NA	pCi/g	06/05/19 09:59	
Radium-226	0.000 ± 0.310 (1.037) C:NA T:NA	pCi/g	06/05/19 09:59	RA
Thallium-208	0.034 ± 0.053 (0.045) C:NA T:NA	pCi/g	06/05/19 09:59	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALIFIERS

Project: Woolensack Optical
Pace Project No.: 30298432

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Act - Activity

Unc - Uncertainty: For Safe Drinking Water Act (SDWA) analyses, the reported Unc. Is the calculated Count Uncertainty (95% confidence interval) using a coverage factor of 1.96. For all other matrices (non-SDWA), the reported Unc. is the calculated Expanded Uncertainty (aka Combined Standard Uncertainty, CSU), reported at the 95% confidence interval using a coverage factor of 1.96.

Gamma Spec: The Unc. reported for all gamma-spectroscopy analyses (EPA 901.1), is the calculated Expanded Uncertainty (CSU) at the 95.4% confidence interval, using a coverage factor of 2.0.

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

RA	The reported Ra-226 results were determined using a direct gamma emission (186 keV) shared by both Ra-226 and naturally-occurring U-235. The reported Ra-226 results were determined assuming the shared energy peak is attributable exclusively to Ra-226. Reported results for Ra-226 may be biased high if U-235 is present in the sample.

REPORT OF LABORATORY ANALYSIS

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CHAIN-OF-CUSTODY Analytical Request Document

Pace Analytical®

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevent fields

LAB USE ONLY- ALI

WO# : 30298432

30298432

Container Prese.

Company: Woolensack Optical	Billing Information: Austin Master Services LLC, 355 Circle of Progress Drive, Pottstown PA 19464
Address: 872 Hudson Ave	
Report To: Pete Collopy	Email To: pcollopy@austinmasterservices.com
Copy To:	Site Collection Info/Address: 872 Hudson Ave Rochester NY
Customer Project Name/Number: Woolensack Optical	State: NY / County/City: Monroe / Time Zone Collected: [ ] PT [ ] MT [ ] CT [✓] ET
Phone: / Email:	Site/Facility ID #: / Compliance Monitoring? [ ] Yes [ ] No
Collected By (print): Jack Bement	Purchase Order #: / Quote #: woolensack6519 / DW PWS ID #: / DW Location Code:
Collected By (signature):	Turnaround Date Required: 6/12/19 / Immediately Packed on Ice: [ ] Yes [✓] No
Sample Disposal: [ ] Dispose as appropriate [ ] Return [ ] Archive: [ ] Hold:	Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [✓] 5 Day (Expedite Charges Apply) / Field Filtered (if applicable): [ ] Yes [ ] No / Analysis:

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other ____

Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	Analyses: Gamma Spec All detects reported	Lab Profile/Line:
woolensackboilbase	SL	G	6/5/19	10:36				1	X	001

Lab Profile/Line:

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y	N	NA
Custody Signatures Present	Y	N	NA
Collector Signature Present	Y	N	NA
Bottles Intact	Y	N	NA
Correct Bottles	Y	N	NA
Sufficient Volume	Y	N	NA
Samples Received on Ice	Y	N	NA
VOA - Headspace Acceptable	Y	N	NA
USDA Regulated Soils	Y	N	NA
Samples in Holding Time	Y	N	NA
Residual Chlorine Present	Y	N	NA
Cl Strips:			
Sample pH Acceptable	Y	N	NA
pH Strips: 10D25581			
Sulfide Present	Y	N	NA
Lead Acetate Strips:			

LAB USE ONLY:
Lab Sample # / Comments:

JLB 10/3

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: (Wet) Blue Dry None

Packing Material Used: plastic bags

Radchem sample(s) screened (<500 cpm): (Y) N NA

SHORT HOLDS PRESENT (<72 hours): Y (N) N/A

Lab Tracking #: 7754 1036 8471

Samples received via: FEDEX UPS Client Courier Pace Courier

Lab Sample Temperature Info:
Temp Blank Received: Y (N) NA
Therm ID#: 1
Cooler 1 Temp Upon Receipt: 2.0 oC
Cooler 1 Therm Corr. Factor: 0 oC
Cooler 1 Corrected Temp: 2.0 oC
Comments:

OLS 04/07/19

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Jack Bement	6/6/19 12:55	PACE	6/6/19 10:15
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
PACE	6/6/19 17:00	PACE	04/07/19 0940
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

MTJL LAB USE ONLY
Table #:
Acctnum:
Template:
Prelogin:
PM:
PB:

Trip Blank Received: Y (N) NA
HCL MeOH TSP Other

Non Conformance(s): (YES) / NO

Page: ____ of: ____

Brett, Alexander

From: Papura, Thomas R (DEC) <thomas.papura@dec.ny.gov>
Sent: Friday, July 19, 2019 9:43 AM
To: Gillen, Jennifer; Theobald, Charlotte B (DEC)
Cc: Caffoe, Todd (DEC); Schilling, Bernette (DEC); Rice, Timothy B (DEC); Evans, Daniel (DEC); Costello, Cynthia A (HEALTH); Sullivan, Marc T (HEALTH); Samson, Daniel J (HEALTH); Damiani, Alex H (HEALTH); Deming, Justin H (HEALTH); Ghosh, Arunesh (HEALTH); Ockerby, Renata E (HEALTH); Hettrick, Dawn E (HEALTH); Brett, Alexander; Noll, Dan; Biondolillo, Joseph J.; Zobel, Alexandra L.; jbement@austinmasterservices.com; Pete Collopy; Chris Roland
Subject: RE: C828209 - Wollensack Optical - Radiation Survey Report

Thanks Jen,

See my comments below in *this font.*

Thomas Papura
Environmental Radiation Specialist II, Division of Materials Management
New York State Department of Environmental Conservation
625 Broadway, Albany, NY 12233-7255
P: (518) 402-8579 | F: (518) 518-8646 | thomas.papura@dec.ny.gov
www.dec.ny.gov

From: Gillen, Jennifer [mailto:jgillen@LaBellaPC.com]
Sent: Friday, July 19, 2019 7:34 AM
To: Theobald, Charlotte B (DEC) <charlotte.theobald@dec.ny.gov>; Papura, Thomas R (DEC) <thomas.papura@dec.ny.gov>
Cc: Caffoe, Todd (DEC) <todd.caffoe@dec.ny.gov>; Schilling, Bernette (DEC) <bernette.schilling@dec.ny.gov>; Rice, Timothy B (DEC) <timothy.rice@dec.ny.gov>; Evans, Daniel (DEC) <daniel.evans@dec.ny.gov>; Costello, Cynthia A (HEALTH) <cynthia.costello@health.ny.gov>; Sullivan, Marc T (HEALTH) <marc.sullivan@health.ny.gov>; Samson, Daniel J (HEALTH) <daniel.samson@health.ny.gov>; Damiani, Alex H (HEALTH) <alex.damiani@health.ny.gov>; Deming, Justin H (HEALTH) <justin.deming@health.ny.gov>; Ghosh, Arunesh (HEALTH) <Arunesh.Ghosh@health.ny.gov>; Ockerby, Renata E (HEALTH) <renata.ockerby@health.ny.gov>; Hettrick, Dawn E (HEALTH) <dawn.hettrick@health.ny.gov>; Brett, Alexander <ABrett@LaBellaPC.com>; dnoll@LABELLAPC.com; Biondolillo, Joseph J. <Joseph.Biondolillo@CityofRochester.Gov>; Zobel, Alexandra L. <Alexandra.Zobel@CityofRochester.Gov>; jbement@austinmasterservices.com; Pete Collopy <pcollopy@austinmasterservices.com>; Chris Roland <Chris@edgemere.com>
Subject: C828209 - Wollensack Optical - Radiation Survey Report

ATTENTION: This email came from an external source. Do not open attachments or click on links from unknown senders or unexpected emails.

Hello All,

Please find attached the final version of the Wollensack Optical Radiological Survey completed by Austin Master Services (AMS). This version has been revised from the one previously circulated to provide clarifications regarding background readings, etc.

Based on the results of the survey, there are two (2) apparent areas of elevated radiological readings which appear to be associated with prior operations at the Site (i.e., use of thoriated sand) and two (2) areas of apparent naturally occurring radioactive materials (NORM). These areas are identified below and are described in greater detail in the AMS report.

Areas of Elevated Radiological Readings from Apparent Historical Operations:

a. A 1-meter by 1-meter area of the wooden floor surface on the 3rd floor of the building. Some debris/sandy material was removed from this area already and placed in a 55-gallon drum which was properly labeled, secured and placed behind demarcation lines. Removal of this debris decreased the radiological readings on the floor surface but there are still elevated readings in the wooden floor boards themselves in this small area.

While any remaining floor surfaces would normally have to meet regulatory limits for surficial contamination, should these materials (ever) be removed for disposal, this may be an issue. If any are to remain in place, I would suggest that to avoid future issues, any surfaces above background be decontaminated to avoid this possibility.

In the past, in such scenarios, we have recommended that surfaces not exceed background plus two standard deviations compared to similar, non-impacted surfaces.

Should all boards be removed this comment can be ignored as long as there is no residual contamination beneath them. Materials beneath these boards should be surveyed to ensure there is no remaining contamination.

b. The bottom of the concrete sump on the first floor of the building. This sump is currently partially filled with debris including pieces of wood and fiberglass insulation.

I would recommend a similar approach for this location so that in the future, the sump is removed, it can be disposed of without radiological concern.

Areas of Apparent NORM:

a. An area of ceramic floor tile on the first floor of the building.
b. Fire bricks lining the basin below an old boiler in the basement of the building.

Should these materials remain, there are no concerns since they contain NORM. Should they be removed, they are exempt [NYCRR Part 363-7.1(o)(8)]

Based on these results, we wanted to continue the conversation with the Department about how to address these materials. We imagine submission of a detailed work plan to the Department would be required prior to implementation of any remedial actions, but generally we propose these materials would be addressed in the following ways:

3rd Floor: Remove remaining floor boards in 1-meter by 1-meter area on the third floor and place in properly labeled 55-gallon drums. These drums would be properly disposed of off-site in addition to the drum of debris that was already generated from this area.
Sump: Remove debris from the sump, clean the sump and pending results of subsequent screening, grout in place. A risk analysis could also be completed. *As with the floor boards and sump on the first floor, I would recommend a similar approach for this location.*

Two areas of NORM: Remove tiles and fire brick and dispose of properly. *See above.*

Thanks in advance for your input,
Jen

Jennifer Gillen, PG

LaBella Associates | Brownfield & Phase II Program Manager



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Rochester, NY 14614
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ANALYTICAL REPORT

Lab Number:	L1934138
Client:	LaBella Associates, P.C. 300 State Street Suite 201 Rochester, NY 14614
ATTN:	Jennifer Gillen
Phone:	(585) 454-6110
Project Name:	FORMER WOLLENSACK OPTICAL
Project Number:	2182207
Report Date:	08/12/19

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: FORMER WOLLENSACK OPTICAL
Project Number: 2182207

Lab Number: L1934138
Report Date: 08/12/19

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1934138-01	FIREBRICK	SOLID	ROCHESTER, NY	07/30/19 12:30	07/31/19

Project Name:	FORMER WOLLENSACK OPTICAL	**Lab Number:**	L1934138
Project Number:	2182207	**Report Date:**	08/12/19

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	FORMER WOLLENSACK OPTICAL	**Lab Number:**	L1934138
Project Number:	2182207	**Report Date:**	08/12/19

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Kelly Stenstrom

Title: Technical Director/Representative Date: 08/12/19

METALS

Project Name: FORMER WOLLENSACK OPTICAL
Lab Number: L1934138
Project Number: 2182207
Report Date: 08/12/19

SAMPLE RESULTS

Lab ID: L1934138-01
Client ID: FIREBRICK
Sample Location: ROCHESTER, NY
Date Collected: 07/30/19 12:30
Date Received: 07/31/19
Field Prep: Not Specified

Sample Depth:
Matrix: Solid
TCLP/SPLP Ext. Date: 08/02/19 15:42

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	0.021	J	mg/l	1.00	0.019	1	08/09/19 11:41	08/09/19 21:07	EPA 3015	1,6010D	LC
Barium, TCLP	0.319	J	mg/l	0.500	0.021	1	08/09/19 11:41	08/09/19 21:07	EPA 3015	1,6010D	LC
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	08/09/19 11:41	08/09/19 21:07	EPA 3015	1,6010D	LC
Chromium, TCLP	ND		mg/l	0.200	0.021	1	08/09/19 11:41	08/09/19 21:07	EPA 3015	1,6010D	LC
Lead, TCLP	ND		mg/l	0.500	0.027	1	08/09/19 11:41	08/09/19 21:07	EPA 3015	1,6010D	LC
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	08/09/19 15:07	08/12/19 14:59	EPA 7470A	1,7470A	GD
Selenium, TCLP	ND		mg/l	0.500	0.035	1	08/09/19 11:41	08/09/19 21:07	EPA 3015	1,6010D	LC
Silver, TCLP	ND		mg/l	0.100	0.028	1	08/09/19 11:41	08/09/19 21:07	EPA 3015	1,6010D	LC

Project Name: FORMER WOLLENSACK OPTICAL **Lab Number:** L1934138

Project Number: 2182207 **Report Date:** 08/12/19

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 01 Batch: WG1270504-1										
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	08/09/19 11:41	08/09/19 20:53	1,6010D	LC
Barium, TCLP	ND		mg/l	0.500	0.021	1	08/09/19 11:41	08/09/19 20:53	1,6010D	LC
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	08/09/19 11:41	08/09/19 20:53	1,6010D	LC
Chromium, TCLP	ND		mg/l	0.200	0.021	1	08/09/19 11:41	08/09/19 20:53	1,6010D	LC
Lead, TCLP	ND		mg/l	0.500	0.027	1	08/09/19 11:41	08/09/19 20:53	1,6010D	LC
Selenium, TCLP	ND		mg/l	0.500	0.035	1	08/09/19 11:41	08/09/19 20:53	1,6010D	LC
Silver, TCLP	ND		mg/l	0.100	0.028	1	08/09/19 11:41	08/09/19 20:53	1,6010D	LC

Prep Information

Digestion Method: EPA 3015

TCLP/SPLP Extraction Date: 08/02/19 15:42

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 01 Batch: WG1270726-1										
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	08/09/19 15:07	08/12/19 14:55	1,7470A	GD

Prep Information

Digestion Method: EPA 7470A

TCLP/SPLP Extraction Date: 08/02/19 15:42

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER WOLLENSACK OPTICAL

Project Number: 2182207

Lab Number: L1934138

Report Date: 08/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 Batch: WG1270504-2								
Arsenic, TCLP	112		-		75-125	-		20
Barium, TCLP	104		-		75-125	-		20
Cadmium, TCLP	105		-		75-125	-		20
Chromium, TCLP	101		-		75-125	-		20
Lead, TCLP	95		-		75-125	-		20
Selenium, TCLP	107		-		75-125	-		20
Silver, TCLP	98		-		75-125	-		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 Batch: WG1270726-2								
Mercury, TCLP	94		-		80-120	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: FORMER WOLLENSACK OPTICAL
Project Number: 2182207
Lab Number: L1934138
Report Date: 08/12/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1270504-3 QC Sample: L1934138-01 Client ID: FIREBRICK												
Arsenic, TCLP	0.021J	1.2	1.35	112		-	-		75-125	-		20
Barium, TCLP	0.319J	20	21.4	107		-	-		75-125	-		20
Cadmium, TCLP	ND	0.51	0.535	105		-	-		75-125	-		20
Chromium, TCLP	ND	2	2.03	102		-	-		75-125	-		20
Lead, TCLP	ND	5.1	4.84	95		-	-		75-125	-		20
Selenium, TCLP	ND	1.2	1.28	107		-	-		75-125	-		20
Silver, TCLP	ND	0.5	0.492	98		-	-		75-125	-		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1270726-3 QC Sample: L1934138-01 Client ID: FIREBRICK												
Mercury, TCLP	ND	0.025	0.0214	85		-	-		80-120	-		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: FORMER WOLLENSACK OPTICAL

Project Number: 2182207

Lab Number: L1934138

Report Date: 08/12/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1270504-4 QC Sample: L1934138-01 Client ID: FIREBRICK						
Arsenic, TCLP	0.021J	0.042J	mg/l	NC		20
Barium, TCLP	0.319J	0.307J	mg/l	NC		20
Cadmium, TCLP	ND	ND	mg/l	NC		20
Chromium, TCLP	ND	ND	mg/l	NC		20
Lead, TCLP	ND	ND	mg/l	NC		20
Selenium, TCLP	ND	ND	mg/l	NC		20
Silver, TCLP	ND	ND	mg/l	NC		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1270726-4 QC Sample: L1934138-01 Client ID: FIREBRICK						
Mercury, TCLP	ND	ND	mg/l	NC		20

Project Name: FORMER WOLLENSACK OPTICAL
Project Number: 2182207

Lab Number: L1934138
Report Date: 08/12/19

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1934138-01A	Glass 250ml/8oz unpreserved	A	NA		3.6	Y	Absent		-
L1934138-01X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.6	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1934138-01X9	Tumble Vessel	A	NA		3.6	Y	Absent		-

*Values in parentheses indicate holding time in days

Project Name:	FORMER WOLLENSACK OPTICAL	**Lab Number:**	L1934138
Project Number:	2182207	**Report Date:**	08/12/19

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

Report Format: DU Report with 'J' Qualifiers

Project Name:	FORMER WOLLENSACK OPTICAL	**Lab Number:**	L1934138
Project Number:	2182207	**Report Date:**	08/12/19

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Report Format: DU Report with 'J' Qualifiers

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 8/1/19

ALPHA Job #: L1934138

Client Information

Client: LaBella Associates
Address: 300 State Street
Rochester, NY 14614
Phone: 585-454-6110
Fax:
Email: ABrett@LaBellaPC.com

Project Information

Project Name: Former Wollensack Option 1
Project Location: Rochester, NY
Project #: 2182207
(Use Project name as Project #) ☐
Project Manager: Jen Gillen
ALPHAQuote #:

Turn-Around Time

Standard ☐ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables

☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information

☑ Same as Client Info
PO #

Regulatory Requirement

☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

FYI: Low-level naturally occurring radioactivity in brick is present.

Please specify Metals or TAL.

ANALYSIS

TCLP Metals

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

Total Bottle

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCLP Metals	Sample Specific Comments	Total Bottle
34135-01	Firebrick	7/30/19	1230	Brick	AGF	X		1

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type
Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
	7/31/19 16:35		7/31/19 16:35
Jen Gillen, AAL	7/31/19 17:45		8/1/19 01:10

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

Treatment and Monitoring Well Soil Disposal Documentation

Published by J. J. KELLER & ASSOCIATES, INC.®, Neenah, WI • USA • (800) 327-6868 • jjkeller.com • Printed in the United States

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number

GENERATOR

5. Generator's Name and Mailing Address: JEFFERSON WOLLENSACK, LLC
872-886 HUDSON AVE
ROCHESTER, NY
Generator's Phone:

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: Casella Waste — U.S. EPA ID Number:

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address: HIGH ACRES LANDFILL
425 PERINTON PKWY
FAIRPORT, NY 14450
Facility's Phone: — U.S. EPA ID Number:

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
1.	NON-HAZ SOLVENT CONTAMINATED SOIL	1		20 TON APPROX.	
2.					
3.					
4.					

13. Special Handling Instructions and Additional Information
APPROVAL # 122220NY

14. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: MIKE SPRATLING — Signature — Month: 03 Day: 31 Year: 20

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: X Thomas M. Capierseho — Signature — Month: 4 Day: 1 Year: 20

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Waste Management High Acres LF
425 Perinton Pkwy
Fairport, NY, 14450
Ph: (585) 223-6132

Reprint
Ticket# 1343895

Customer Name LABELLAPC-122220NY LABELLA AS
Ticket Date 04/01/2020
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest na
Destination
PO
Profile 122220NY (NON HAZARDOUS SOLVENT CONTAMINATED SOIL)
Generator 190-JEFFERSONWOLLENSACK JEFFERSON WOLLENSACK, LLC

Carrier CASELLA
Vehicle# 4608
Container
Driver
Check#
Billing # 0007893
Gen EPA ID
Grid CELL 12A

Volume

	Time	Scale	Operator	Inbound		
In	04/01/2020 09:03	A_Scale_1	SD #604682		Gross	64020 lb
Out	04/01/2020 09:43	A_Scale_2	SD #604682		Tare	37780 lb
					Net	26240 lb
					Tons	13.12

Comments

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	Cont Soil RCG-Tons	100	13.12	Tons				MON
2	EVF-P-Standard Env	100		%				MON
3	RCR-P-Regulatory C	100		%				MON
4	LFS4-LANDFILL FIXE	100		%				MON

Total Fees
Total Ticket

Driver`s Signature_____

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Materials Management, Bureau of Hazardous Waste and Radiation Management
625 Broadway, 9th Floor, Albany, New York 12233-7256
P: (518) 402-8651 | F: (518) 402-9024
www.dec.ny.gov

March 27, 2020

Sent via e-mail, no hard copy to follow
Ms. Jennifer Gillen, PG
Brownfield & Phase II Program Manager
LaBella Associates
300 State Street, Suite 201
Rochester, NY 14614

Re: "Contained-In" Determination Request
Former Wollensack Optical
872 Hudson Ave, Rochester, NY
NYSDEC Site No. C828209

Dear Ms. Gillen:

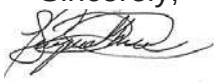
The New York State Department of Environmental Conservation (NYSDEC or the Department) have completed our review of the soil sampling data (Lab Sample ID: L2012797-01) collected during the installation of injection wells within the soil and groundwater treatment area submitted on March 26, 2020, via e-mail request for a "contained-in" determination for the referenced project.

Concentrations detected for individual volatile organic compounds (VOCs) were all less than their current NYSDEC "contained in" soil action levels and Land Disposal Restriction concentrations. No hazardous constituents exhibited a hazardous waste characteristic by exceeding their TCLP regulatory level.

Concentrations (Lab Sample ID: L2012797-01) for tetrachloroethene, trichloroethene and cis-1,2-dichloroethene were below the soil "contained-in" action level and the Land Disposal Restriction concentration. Therefore, approximate 15 cubic yards of soil that was generated from the site during the installation of injection wells within the soil and groundwater treatment area at the subject property, do not have to be managed as a hazardous waste and can be transported off-site to either Waste Management's High Acres landfill in Fairport, NY or Waste Management's Mill Seat landfill in Riga, NY or another permitted 360 solid waste facility able to accept this material, for disposal as non-hazardous waste.

Should you have any questions regarding the content of this letter, please do not hesitate to contact me at (518) 402-9611 or email me at henry.wilkie@dec.ny.gov.

Sincerely,



Henry Wilkie
Assistant Environmental Engineer
RCRA Permitting Section

ec: C. Theobald, NYSDEC Region 8

Brett, Alexander

From: Wilkie, Henry (DEC) <henry.wilkie@dec.ny.gov>
Sent: Friday, March 27, 2020 10:20 AM
To: Pelychaty,Mike
Cc: Theobald, Charlotte B (DEC)
Subject: RE: C828209 - Former Jefferson Wollensack Contained-In Sample Results for Injection Well Installation
Attachments: Letter-Correspondence.BCP.C828209.2020-03-27.Former Jefferson Wollensack 5th Contained In Determination Approval.pdf

Good Morning all,

Attached is the "Contained-in" Determination approval letter.

This email copies you on correspondence from the New York State Department of Environmental Conservation. Electronic attachments may be attached. This document has also been entered into the DECDOC system. A hard copy version will not follow in the mail.

If you have any additional questions, please feel free to contact me.

Henry Wilkie

Henry Wilkie
Assistant Engineer, Division of Materials Management

New York State Department of Environmental Conservation
625 Broadway, Albany, New York 12233-7256
P: (518) 402-9611 | F: (518) 402-9627 | henry.wilkie@dec.ny.gov

www.dec.ny.gov |

From: Pelychaty,Mike <mpelychaty@LaBellaPC.com>
Sent: Thursday, March 26, 2020 9:49 AM
To: Wilkie, Henry (DEC) <henry.wilkie@dec.ny.gov>
Cc: Theobald, Charlotte B (DEC) <charlotte.theobald@dec.ny.gov>
Subject: C828209 - Former Jefferson Wollensack Contained-In Sample Results for Injection Well Installation

ATTENTION: This email came from an external source. Do not open attachments or click on links from unknown senders or unexpected emails.

Henry,

Attached is the lab data results (Lab Report L2012797) reported for waste characterization from an approximate 15 cubic yards of soil that was generated from the site during the installation of injection wells within the soil and

groundwater treatment area. One (1) composite soil sample (from 3-5 discrete locations at the stockpile) was collected and submitted for the following analyses:

- Total VOCs (TCL list)
- TCLP VOCs
- TCLP metals
- TCLP SVOCs
- Reactive cyanide and sulfide
- pH
- flashpoint

Below is a summary of the detected sample results that included in the attached excel table.

ANALYTE	CAS	(ug/kg)	Conc	Q	RL	MDL
VOLATILE ORGANICS BY EPA 5035						
Chloroform	67-66-3		12	J	74	6.9
Tetrachloroethene	127-18-4		280		25	9.7
Trichloroethene	79-01-6		2000		25	6.8
Methyl Acetate	79-20-9		61	J	200	47
Total VOCs			2353	-	-	-
VOLATILE ORGANICS BY EPA 5035-TIC						
Unknown			154	J	0	0
Unknown			119	J	0	0
Cyclotrisiloxane, Hexamethyl-	000541-05-9		182	NJ	0	0
Total TIC Compounds			455	J	0	0
GENERAL CHEMISTRY						
Solids, Total	NONE		87.6		0.1	NA
pH (H)	12408-02-5		9.2		0	NA
Flash Point	NONE		>150		70	NA

ANALYTE	CAS	(mg/l)	Conc	Q	RL	MDL
TCLP VOLATILES BY EPA 1311						
Trichloroethene	79-01-6		0.0096		0.005	0.0018
SUM			0.0096	-	-	-
TCLP SEMIVOLATILES BY EPA 1311						
TCLP METALS BY EPA 1311						
Arsenic, TCLP	7440-38-2		0.036	J	1	0.019
Barium, TCLP	7440-39-3		0.646		0.5	0.021

Based on this data, a contained-in determination is requested for soil to be disposed of as non-hazardous at a Part 360 landfill that would be either Mill Seat Landfill in Riga, NY or High Acres Landfill in Fairport, NY. Please contact me with any questions.

Michael Pelychaty, PG
LaBella Associates | Sr. Environmental Geologist

585-295-6253 **direct**
585-454-6110 **office**
300 State Street, Suite 201
Rochester, NY 14614

ANALYTICAL REPORT

Lab Number:	L2012797
Client:	LaBella Associates, P.C. 300 State Street Suite 201 Rochester, NY 14614
ATTN:	Mike Pelychaty
Phone:	(585) 295-6253
Project Name:	FORMER JEFFERSON WOLLENSACK
Project Number:	2182207.13
Report Date:	03/25/20

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Project Name: FORMER JEFFERSON WOLLENSACK
Project Number: 2182207.13

Lab Number: L2012797
Report Date: 03/25/20

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2012797-01	WCS-20200320-02-C-ROLLOFFSOIL	SOIL	886 HUDSON AVE, ROCHESTER, NY	03/20/20 14:00	03/20/20

Project Name:	FORMER JEFFERSON WOLLENSACK	**Lab Number:**	L2012797
Project Number:	2182207.13	**Report Date:**	03/25/20

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	FORMER JEFFERSON WOLLENSACK	**Lab Number:**	L2012797
Project Number:	2182207.13	**Report Date:**	03/25/20

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Sample Receipt

L2012797-01: The sample was received in an inappropriate container for the TCLP Volatiles analysis.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Melissa Sturgis Melissa Sturgis

Title: Technical Director/Representative Date: 03/25/20

ORGANICS

VOLATILES

Project Name: FORMER JEFFERSON WOLLENSACK **Lab Number:** L2012797

Project Number: 2182207.13 **Report Date:** 03/25/20

SAMPLE RESULTS

Lab ID: L2012797-01
Client ID: WCS-20200320-02-C-ROLLOFFSOIL
Sample Location: 886 HUDSON AVE, ROCHESTER, NY

Date Collected: 03/20/20 14:00
Date Received: 03/20/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/25/20 07:30
Analyst: MM
Percent Solids: 88%
TCLP/SPLP Ext. Date: 03/24/20 11:13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Westborough Lab						
Chloroform	ND		ug/l	7.5	2.2	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	5.0	1.8	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
Benzene	ND		ug/l	5.0	1.6	10
Vinyl chloride	ND		ug/l	10	0.71	10
1,1-Dichloroethene	ND		ug/l	5.0	1.7	10
Trichloroethene	9.6		ug/l	5.0	1.8	10
1,4-Dichlorobenzene	ND		ug/l	25	1.9	10
2-Butanone	ND		ug/l	50	19.	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	120		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	89		70-130
dibromofluoromethane	113		70-130

Project Name: FORMER JEFFERSON WOLLENSACK **Lab Number:** L2012797

Project Number: 2182207.13 **Report Date:** 03/25/20

SAMPLE RESULTS

Lab ID: L2012797-01
Client ID: WCS-20200320-02-C-ROLLOFFSOIL
Sample Location: 886 HUDSON AVE, ROCHESTER, NY

Date Collected: 03/20/20 14:00
Date Received: 03/20/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/23/20 16:51
Analyst: KJD
Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	250	110	1
1,1-Dichloroethane	ND		ug/kg	49	7.2	1
Chloroform	12	J	ug/kg	74	6.9	1
Carbon tetrachloride	ND		ug/kg	49	11.	1
1,2-Dichloropropane	ND		ug/kg	49	6.2	1
Dibromochloromethane	ND		ug/kg	49	6.9	1
1,1,2-Trichloroethane	ND		ug/kg	49	13.	1
Tetrachloroethene	280		ug/kg	25	9.7	1
Chlorobenzene	ND		ug/kg	25	6.3	1
Trichlorofluoromethane	ND		ug/kg	200	34.	1
1,2-Dichloroethane	ND		ug/kg	49	13.	1
1,1,1-Trichloroethane	ND		ug/kg	25	8.2	1
Bromodichloromethane	ND		ug/kg	25	5.4	1
trans-1,3-Dichloropropene	ND		ug/kg	49	13.	1
cis-1,3-Dichloropropene	ND		ug/kg	25	7.8	1
Bromoform	ND		ug/kg	200	12.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	8.2	1
Benzene	ND		ug/kg	25	8.2	1
Toluene	ND		ug/kg	49	27.	1
Ethylbenzene	ND		ug/kg	49	7.0	1
Chloromethane	ND		ug/kg	200	46.	1
Bromomethane	ND		ug/kg	99	29.	1
Vinyl chloride	ND		ug/kg	49	16.	1
Chloroethane	ND		ug/kg	99	22.	1
1,1-Dichloroethene	ND		ug/kg	49	12.	1
trans-1,2-Dichloroethene	ND		ug/kg	74	6.8	1
Trichloroethene	2000		ug/kg	25	6.8	1
1,2-Dichlorobenzene	ND		ug/kg	99	7.1	1

Project Name: FORMER JEFFERSON WOLLENSACK **Lab Number:** L2012797

Project Number: 2182207.13 **Report Date:** 03/25/20

SAMPLE RESULTS

Lab ID: L2012797-01 Date Collected: 03/20/20 14:00

Client ID: WCS-20200320-02-C-ROLLOFFSOIL Date Received: 03/20/20

Sample Location: 886 HUDSON AVE, ROCHESTER, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	99	7.3	1
1,4-Dichlorobenzene	ND		ug/kg	99	8.4	1
Methyl tert butyl ether	ND		ug/kg	99	9.9	1
p/m-Xylene	ND		ug/kg	99	28.	1
o-Xylene	ND		ug/kg	49	14.	1
cis-1,2-Dichloroethene	ND		ug/kg	49	8.6	1
Styrene	ND		ug/kg	49	9.7	1
Dichlorodifluoromethane	ND		ug/kg	490	45.	1
Acetone	ND		ug/kg	490	240	1
Carbon disulfide	ND		ug/kg	490	220	1
2-Butanone	ND		ug/kg	490	110	1
4-Methyl-2-pentanone	ND		ug/kg	490	63.	1
2-Hexanone	ND		ug/kg	490	58.	1
Bromochloromethane	ND		ug/kg	99	10.	1
1,2-Dibromoethane	ND		ug/kg	49	14.	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	49.	1
Isopropylbenzene	ND		ug/kg	49	5.4	1
1,2,3-Trichlorobenzene	ND		ug/kg	99	16.	1
1,2,4-Trichlorobenzene	ND		ug/kg	99	13.	1
Methyl Acetate	61	J	ug/kg	200	47.	1
Cyclohexane	ND		ug/kg	490	27.	1
1,4-Dioxane	ND		ug/kg	3900	1700	1
Freon-113	ND		ug/kg	200	34.	1
Methyl cyclohexane	ND		ug/kg	200	30.	1

Tentatively Identified Compounds				
Total TIC Compounds	455	J	ug/kg	1
Cyclotrisiloxane, Hexamethyl-	182	NJ	ug/kg	1
Unknown	119	J	ug/kg	1
Unknown	154	J	ug/kg	1

Project Name: FORMER JEFFERSON WOLLENSACK **Lab Number:** L2012797

Project Number: 2182207.13 **Report Date:** 03/25/20

SAMPLE RESULTS

Lab ID: L2012797-01 Date Collected: 03/20/20 14:00

Client ID: WCS-20200320-02-C-ROLLOFFSOIL Date Received: 03/20/20

Sample Location: 886 HUDSON AVE, ROCHESTER, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	104		70-130

Project Name: FORMER JEFFERSON WOLLENSACK **Lab Number:** L2012797

Project Number: 2182207.13 **Report Date:** 03/25/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/23/20 07:43
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01 Batch: WG1354277-5					
Methylene chloride	ND		ug/kg	250	110
1,1-Dichloroethane	ND		ug/kg	50	7.2
Chloroform	12	J	ug/kg	75	7.0
Carbon tetrachloride	ND		ug/kg	50	12.
1,2-Dichloropropane	ND		ug/kg	50	6.2
Dibromochloromethane	ND		ug/kg	50	7.0
1,1,2-Trichloroethane	ND		ug/kg	50	13.
Tetrachloroethene	ND		ug/kg	25	9.8
Chlorobenzene	ND		ug/kg	25	6.4
Trichlorofluoromethane	ND		ug/kg	200	35.
1,2-Dichloroethane	ND		ug/kg	50	13.
1,1,1-Trichloroethane	ND		ug/kg	25	8.4
Bromodichloromethane	ND		ug/kg	25	5.4
trans-1,3-Dichloropropene	ND		ug/kg	50	14.
cis-1,3-Dichloropropene	ND		ug/kg	25	7.9
Bromoform	ND		ug/kg	200	12.
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	8.3
Benzene	ND		ug/kg	25	8.3
Toluene	ND		ug/kg	50	27.
Ethylbenzene	ND		ug/kg	50	7.0
Chloromethane	ND		ug/kg	200	47.
Bromomethane	74	J	ug/kg	100	29.
Vinyl chloride	ND		ug/kg	50	17.
Chloroethane	ND		ug/kg	100	23.
1,1-Dichloroethene	ND		ug/kg	50	12.
trans-1,2-Dichloroethene	ND		ug/kg	75	6.8
Trichloroethene	ND		ug/kg	25	6.8
1,2-Dichlorobenzene	ND		ug/kg	100	7.2
1,3-Dichlorobenzene	ND		ug/kg	100	7.4

Project Name: FORMER JEFFERSON WOLLENSACK **Lab Number:** L2012797

Project Number: 2182207.13 **Report Date:** 03/25/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/23/20 07:43
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01 Batch: WG1354277-5					
1,4-Dichlorobenzene	ND		ug/kg	100	8.6
Methyl tert butyl ether	ND		ug/kg	100	10.
p/m-Xylene	ND		ug/kg	100	28.
o-Xylene	ND		ug/kg	50	14.
cis-1,2-Dichloroethene	ND		ug/kg	50	8.8
Styrene	ND		ug/kg	50	9.8
Dichlorodifluoromethane	ND		ug/kg	500	46.
Acetone	ND		ug/kg	500	240
Carbon disulfide	ND		ug/kg	500	230
2-Butanone	ND		ug/kg	500	110
4-Methyl-2-pentanone	ND		ug/kg	500	64.
2-Hexanone	ND		ug/kg	500	59.
Bromochloromethane	ND		ug/kg	100	10.
1,2-Dibromoethane	ND		ug/kg	50	14.
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	50.
Isopropylbenzene	ND		ug/kg	50	5.4
1,2,3-Trichlorobenzene	ND		ug/kg	100	16.
1,2,4-Trichlorobenzene	ND		ug/kg	100	14.
Methyl Acetate	ND		ug/kg	200	48.
Cyclohexane	ND		ug/kg	500	27.
1,4-Dioxane	ND		ug/kg	4000	1800
Freon-113	ND		ug/kg	200	35.
Methyl cyclohexane	ND		ug/kg	200	30.

Tentatively Identified Compounds

Total TIC Compounds	1290	J	ug/kg
Cyclotrisiloxane, Hexamethyl-	488	NJ	ug/kg

Project Name: FORMER JEFFERSON WOLLENSACK **Lab Number:** L2012797

Project Number: 2182207.13 **Report Date:** 03/25/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/23/20 07:43
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01 Batch: WG1354277-5					
Tentatively Identified Compounds					
Unknown	384	J	ug/kg		
Unknown	418	J	ug/kg		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	100		70-130

Project Name: FORMER JEFFERSON WOLLENSACK **Lab Number:** L2012797

Project Number: 2182207.13 **Report Date:** 03/25/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/25/20 07:00
Analyst: MM
TCLP/SPLP Extraction Date: 03/24/20 11:13

Extraction Date: 03/24/20 11:13

Parameter	Result	Qualifier	Units	RL	MDL
TCLP Volatiles by EPA 1311 - Westborough Lab for sample(s): 01 Batch: WG1354856-5					
Chloroform	ND		ug/l	7.5	2.2
Carbon tetrachloride	ND		ug/l	5.0	1.3
Tetrachloroethene	ND		ug/l	5.0	1.8
Chlorobenzene	ND		ug/l	5.0	1.8
1,2-Dichloroethane	ND		ug/l	5.0	1.3
Benzene	ND		ug/l	5.0	1.6
Vinyl chloride	ND		ug/l	10	0.71
1,1-Dichloroethene	ND		ug/l	5.0	1.7
Trichloroethene	ND		ug/l	5.0	1.8
1,4-Dichlorobenzene	ND		ug/l	25	1.9
2-Butanone	ND		ug/l	50	19.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	118		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	91		70-130
dibromofluoromethane	113		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: FORMER JEFFERSON WOLLENSACK
Project Number: 2182207.13

Lab Number: L2012797
Report Date: 03/25/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01 Batch: WG1354277-3 WG1354277-4								
Methylene chloride	106		103		70-130	3		30
1,1-Dichloroethane	107		102		70-130	5		30
Chloroform	103		101		70-130	2		30
Carbon tetrachloride	111		106		70-130	5		30
1,2-Dichloropropane	104		102		70-130	2		30
Dibromochloromethane	101		99		70-130	2		30
1,1,2-Trichloroethane	100		98		70-130	2		30
Tetrachloroethene	107		102		70-130	5		30
Chlorobenzene	104		100		70-130	4		30
Trichlorofluoromethane	110		106		70-139	4		30
1,2-Dichloroethane	100		98		70-130	2		30
1,1,1-Trichloroethane	112		107		70-130	5		30
Bromodichloromethane	106		104		70-130	2		30
trans-1,3-Dichloropropene	100		97		70-130	3		30
cis-1,3-Dichloropropene	110		105		70-130	5		30
Bromoform	96		93		70-130	3		30
1,1,2,2-Tetrachloroethane	95		92		70-130	3		30
Benzene	109		104		70-130	5		30
Toluene	102		98		70-130	4		30
Ethylbenzene	104		100		70-130	4		30
Chloromethane	99		95		52-130	4		30
Bromomethane	111		110		57-147	1		30
Vinyl chloride	108		100		67-130	8		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER JEFFERSON WOLLENSACK

Project Number: 2182207.13

Lab Number: L2012797

Report Date: 03/25/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01 Batch: WG1354277-3 WG1354277-4								
Chloroethane	107		104		50-151	3		30
1,1-Dichloroethene	112		108		65-135	4		30
trans-1,2-Dichloroethene	111		107		70-130	4		30
Trichloroethene	113		108		70-130	5		30
1,2-Dichlorobenzene	96		94		70-130	2		30
1,3-Dichlorobenzene	100		96		70-130	4		30
1,4-Dichlorobenzene	100		96		70-130	4		30
Methyl tert butyl ether	103		101		66-130	2		30
p/m-Xylene	104		100		70-130	4		30
o-Xylene	103		99		70-130	4		30
cis-1,2-Dichloroethene	107		104		70-130	3		30
Styrene	105		101		70-130	4		30
Dichlorodifluoromethane	113		107		30-146	5		30
Acetone	107		97		54-140	10		30
Carbon disulfide	111		107		59-130	4		30
2-Butanone	92		88		70-130	4		30
4-Methyl-2-pentanone	93		91		70-130	2		30
2-Hexanone	87		85		70-130	2		30
Bromochloromethane	111		107		70-130	4		30
1,2-Dibromoethane	101		98		70-130	3		30
1,2-Dibromo-3-chloropropane	94		92		68-130	2		30
Isopropylbenzene	102		98		70-130	4		30
1,2,3-Trichlorobenzene	95		95		70-130	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER JEFFERSON WOLLENSACK

Project Number: 2182207.13

Lab Number: L2012797

Report Date: 03/25/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01 Batch: WG1354277-3 WG1354277-4								
1,2,4-Trichlorobenzene	100		98		70-130	2		30
Methyl Acetate	92		91		51-146	1		30
Cyclohexane	108		104		59-142	4		30
1,4-Dioxane	106		91		65-136	15		30
Freon-113	114		111		50-139	3		30
Methyl cyclohexane	113		108		70-130	5		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	91		92		70-130
Toluene-d8	96		97		70-130
4-Bromofluorobenzene	98		98		70-130
Dibromofluoromethane	100		100		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER JEFFERSON WOLLENSACK

Project Number: 2182207.13

Lab Number: L2012797

Report Date: 03/25/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Volatiles by EPA 1311 - Westborough Lab Associated sample(s): 01 Batch: WG1354856-3 WG1354856-4								
Chloroform	110		100		70-130	10		20
Carbon tetrachloride	120		120		63-132	0		20
Tetrachloroethene	92		92		70-130	0		20
Chlorobenzene	89		89		75-130	0		25
1,2-Dichloroethane	110		120		70-130	9		20
Benzene	100		100		70-130	0		25
Vinyl chloride	93		93		55-140	0		20
1,1-Dichloroethene	110		110		61-145	0		25
Trichloroethene	100		110		70-130	10		25
1,4-Dichlorobenzene	82		82		70-130	0		20
2-Butanone	110		110		63-138	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	114		114		70-130
Toluene-d8	91		91		70-130
4-Bromofluorobenzene	82		83		70-130
dibromofluoromethane	111		111		70-130

SEMIVOLATILES

Project Name: FORMER JEFFERSON WOLLENSACK **Lab Number:** L2012797

Project Number: 2182207.13 **Report Date:** 03/25/20

SAMPLE RESULTS

Lab ID: L2012797-01
Client ID: WCS-20200320-02-C-ROLLOFFSOIL
Sample Location: 886 HUDSON AVE, ROCHESTER, NY

Date Collected: 03/20/20 14:00
Date Received: 03/20/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 03/24/20 07:49
Analyst: IM
Percent Solids: 88%
TCLP/SPLP Ext. Date: 03/21/20 17:04

Extraction Method: EPA 3510C
Extraction Date: 03/22/20 16:57

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Semivolatiles by EPA 1311 - Westborough Lab						
Hexachlorobenzene	ND		ug/l	10	2.9	1
2,4-Dinitrotoluene	ND		ug/l	25	4.2	1
Hexachlorobutadiene	ND		ug/l	10	3.6	1
Hexachloroethane	ND		ug/l	10	3.4	1
Nitrobenzene	ND		ug/l	10	3.8	1
2,4,6-Trichlorophenol	ND		ug/l	25	3.4	1
Pentachlorophenol	ND		ug/l	50	17.	1
2-Methylphenol	ND		ug/l	25	5.1	1
3-Methylphenol/4-Methylphenol	ND		ug/l	25	5.6	1
2,4,5-Trichlorophenol	ND		ug/l	25	3.6	1
Pyridine	ND		ug/l	18	9.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	86		21-120
Phenol-d6	71		10-120
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	82		15-120
2,4,6-Tribromophenol	92		10-120
4-Terphenyl-d14	91		33-120

Project Name: FORMER JEFFERSON WOLLENSACK **Lab Number:** L2012797

Project Number: 2182207.13 **Report Date:** 03/25/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/24/20 04:16
Analyst: IM
TCLP/SPLP Extraction Date: 03/19/20 16:07

Extraction Method: EPA 3510C
Extraction Date: 03/21/20 23:43

Parameter	Result	Qualifier	Units	RL	MDL
TCLP Semivolatiles by EPA 1311 - Westborough Lab for sample(s): 01 Batch: WG1353797-1					
Hexachlorobenzene	ND		ug/l	10	2.9
2,4-Dinitrotoluene	ND		ug/l	25	4.2
Hexachlorobutadiene	ND		ug/l	10	3.6
Hexachloroethane	ND		ug/l	10	3.4
Nitrobenzene	ND		ug/l	10	3.8
2,4,6-Trichlorophenol	ND		ug/l	25	3.4
Pentachlorophenol	ND		ug/l	50	17.
2-Methylphenol	ND		ug/l	25	5.1
3-Methylphenol/4-Methylphenol	ND		ug/l	25	5.6
2,4,5-Trichlorophenol	ND		ug/l	25	3.6
Pyridine	ND		ug/l	18	9.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	73		21-120
Phenol-d6	60		10-120
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	73		15-120
2,4,6-Tribromophenol	95		10-120
4-Terphenyl-d14	88		33-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER JEFFERSON WOLLENSACK
Project Number: 2182207.13

Lab Number: L2012797
Report Date: 03/25/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Semivolatiles by EPA 1311 - Westborough Lab Associated sample(s): 01 Batch: WG1353797-2 WG1353797-3								
Hexachlorobenzene	91		90		40-140	1		30
2,4-Dinitrotoluene	87		91		40-132	4		30
Hexachlorobutadiene	72		76		28-111	5		30
Hexachloroethane	66		66		21-105	0		30
Nitrobenzene	62		64		40-140	3		30
2,4,6-Trichlorophenol	69		77		30-130	11		30
Pentachlorophenol	70		73		9-103	4		30
2-Methylphenol	69		71		30-130	3		30
3-Methylphenol/4-Methylphenol	70		68		30-130	3		30
2,4,5-Trichlorophenol	75		78		30-130	4		30
Pyridine	31		35		10-66	12		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	75		76		21-120
Phenol-d6	63		64		10-120
Nitrobenzene-d5	62		64		23-120
2-Fluorobiphenyl	67		73		15-120
2,4,6-Tribromophenol	81		84		10-120
4-Terphenyl-d14	79		82		33-120

METALS

Project Name: FORMER JEFFERSON WOLLENSACK **Lab Number:** L2012797

Project Number: 2182207.13 **Report Date:** 03/25/20

SAMPLE RESULTS

Lab ID: L2012797-01 Date Collected: 03/20/20 14:00

Client ID: WCS-20200320-02-C-ROLLOFFSOIL Date Received: 03/20/20

Sample Location: 886 HUDSON AVE, ROCHESTER, NY Field Prep: Not Specified

Sample Depth: TCLP/SPLP Ext. Date: 03/21/20 17:04

Matrix: Soil

Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	0.036	J	mg/l	1.00	0.019	1	03/24/20 12:30	03/24/20 14:32	EPA 3015	1,6010D	BV
Barium, TCLP	0.646		mg/l	0.500	0.021	1	03/24/20 12:30	03/24/20 14:32	EPA 3015	1,6010D	BV
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	03/24/20 12:30	03/24/20 14:32	EPA 3015	1,6010D	BV
Chromium, TCLP	ND		mg/l	0.200	0.021	1	03/24/20 12:30	03/24/20 14:32	EPA 3015	1,6010D	BV
Lead, TCLP	ND		mg/l	0.500	0.027	1	03/24/20 12:30	03/24/20 14:32	EPA 3015	1,6010D	BV
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	03/24/20 14:09	03/25/20 11:35	EPA 7470A	1,7470A	GD
Selenium, TCLP	ND		mg/l	0.500	0.035	1	03/24/20 12:30	03/24/20 14:32	EPA 3015	1,6010D	BV
Silver, TCLP	ND		mg/l	0.100	0.028	1	03/24/20 12:30	03/24/20 14:32	EPA 3015	1,6010D	BV

Project Name: FORMER JEFFERSON WOLLENSACK **Lab Number:** L2012797

Project Number: 2182207.13 **Report Date:** 03/25/20

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 01 Batch: WG1354106-1										
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	03/24/20 12:30	03/24/20 15:00	1,6010D	BV
Barium, TCLP	0.029	J	mg/l	0.500	0.021	1	03/24/20 12:30	03/24/20 15:00	1,6010D	BV
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	03/24/20 12:30	03/24/20 15:00	1,6010D	BV
Chromium, TCLP	ND		mg/l	0.200	0.021	1	03/24/20 12:30	03/24/20 15:00	1,6010D	BV
Lead, TCLP	ND		mg/l	0.500	0.027	1	03/24/20 12:30	03/24/20 15:00	1,6010D	BV
Selenium, TCLP	ND		mg/l	0.500	0.035	1	03/24/20 12:30	03/24/20 15:00	1,6010D	BV
Silver, TCLP	ND		mg/l	0.100	0.028	1	03/24/20 12:30	03/24/20 15:00	1,6010D	BV

Prep Information

Digestion Method: EPA 3015

TCLP/SPLP Extraction Date: 03/19/20 16:07

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 01 Batch: WG1354109-1										
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	03/24/20 14:09	03/25/20 11:19	1,7470A	GD

Prep Information

Digestion Method: EPA 7470A

TCLP/SPLP Extraction Date: 03/19/20 16:07

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER JEFFERSON WOLLENSACK

Project Number: 2182207.13

Lab Number: L2012797

Report Date: 03/25/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 Batch: WG1354106-2								
Arsenic, TCLP	107		-		75-125	-		20
Barium, TCLP	102		-		75-125	-		20
Cadmium, TCLP	107		-		75-125	-		20
Chromium, TCLP	108		-		75-125	-		20
Lead, TCLP	102		-		75-125	-		20
Selenium, TCLP	110		-		75-125	-		20
Silver, TCLP	100		-		75-125	-		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 Batch: WG1354109-2								
Mercury, TCLP	106		-		80-120	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: FORMER JEFFERSON WOLLENSACK
Project Number: 2182207.13
Lab Number: L2012797
Report Date: 03/25/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1354106-3 QC Sample: L2012272-01 Client ID: MS Sample												
Arsenic, TCLP	0.034J	1.2	1.30	108		-	-		75-125	-		20
Barium, TCLP	0.439J	20	20.7	104		-	-		75-125	-		20
Cadmium, TCLP	ND	0.51	0.539	106		-	-		75-125	-		20
Chromium, TCLP	ND	2	2.11	106		-	-		75-125	-		20
Lead, TCLP	0.040J	5.1	5.12	100		-	-		75-125	-		20
Selenium, TCLP	0.057J	1.2	1.35	112		-	-		75-125	-		20
Silver, TCLP	ND	0.5	0.503	101		-	-		75-125	-		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1354109-3 QC Sample: L2012272-01 Client ID: MS Sample												
Mercury, TCLP	ND	0.025	0.0269	107		-	-		80-120	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: FORMER JEFFERSON WOLLENSACK
Project Number: 2182207.13

Lab Number: L2012797
Report Date: 03/25/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1354106-4 QC Sample: L2012272-01 Client ID: DUP Sample						
Arsenic, TCLP	0.034J	0.037J	mg/l	NC		20
Barium, TCLP	0.439J	0.436J	mg/l	NC		20
Cadmium, TCLP	ND	ND	mg/l	NC		20
Chromium, TCLP	ND	ND	mg/l	NC		20
Lead, TCLP	0.040J	ND	mg/l	NC		20
Selenium, TCLP	0.057J	ND	mg/l	NC		20
Silver, TCLP	ND	ND	mg/l	NC		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1354109-4 QC Sample: L2012272-01 Client ID: DUP Sample						
Mercury, TCLP	ND	ND	mg/l	NC		20

INORGANICS
&
MISCELLANEOUS

Project Name: FORMER JEFFERSON WOLLENSACK
Project Number: 2182207.13
Lab Number: L2012797
Report Date: 03/25/20

SAMPLE RESULTS

Lab ID: L2012797-01
Client ID: WCS-20200320-02-C-ROLLOFFSOIL
Sample Location: 886 HUDSON AVE, ROCHESTER, NY
Sample Depth:
Matrix: Soil

Date Collected: 03/20/20 14:00
Date Received: 03/20/20
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.6		%	0.100	NA	1	-	03/21/20 11:35	121,2540G	RI
pH (H)	9.2		SU	-	NA	1	-	03/21/20 03:57	1,9045D	CB
Flash Point	>150		deg F	70	NA	1	-	03/22/20 14:15	1,1010A	AG
Cyanide, Reactive	ND		mg/kg	10	10.	1	03/22/20 23:45	03/23/20 01:09	125,7.3	JW
Sulfide, Reactive	ND		mg/kg	10	10.	1	03/22/20 23:45	03/23/20 01:00	125,7.3	JW

Project Name: FORMER JEFFERSON WOLLENSACK **Lab Number:** L2012797

Project Number: 2182207.13 **Report Date:** 03/25/20

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG1353886-1										
Sulfide, Reactive	ND		mg/kg	10	10.	1	03/22/20 23:45	03/23/20 00:57	125,7.3	JW
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG1353887-1										
Cyanide, Reactive	ND		mg/kg	10	10.	1	03/22/20 23:45	03/23/20 01:06	125,7.3	JW

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER JEFFERSON WOLLENSACK
Project Number: 2182207.13

Lab Number: L2012797
Report Date: 03/25/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1353663-1								
pH	99		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1353874-1								
Flash Point	99		-		96-104	-		
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1353886-2								
Sulfide, Reactive	102		-		60-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1353887-2								
Cyanide, Reactive	84		-		30-125	-		40

Lab Duplicate Analysis

Batch Quality Control

Project Name: FORMER JEFFERSON WOLLENSACK

Project Number: 2182207.13

Lab Number: L2012797

Report Date: 03/25/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1353663-2 QC Sample: L2012855-01 Client ID: DUP Sample						
pH	8.0	8.3	SU	4		5
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1353716-1 QC Sample: L2012789-01 Client ID: DUP Sample						
Solids, Total	98.6	94.7	%	4		20
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1353886-3 QC Sample: L2012855-05 Client ID: DUP Sample						
Sulfide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1353887-3 QC Sample: L2012855-05 Client ID: DUP Sample						
Cyanide, Reactive	ND	ND	mg/kg	NC		40

Project Name: FORMER JEFFERSON WOLLENSACK
Project Number: 2182207.13

Lab Number: L2012797
Report Date: 03/25/20

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2012797-01A	Vial MeOH preserved	A	NA		5.3	Y	Absent		NYTCL-8260HLW-R2(14)
L2012797-01B	Vial water preserved	A	NA		5.3	Y	Absent	21-MAR-20 02:38	NYTCL-8260HLW-R2(14)
L2012797-01C	Vial water preserved	A	NA		5.3	Y	Absent	21-MAR-20 02:38	NYTCL-8260HLW-R2(14)
L2012797-01D	Glass 120ml/4oz unpreserved	A	NA		5.3	Y	Absent		TCLP-EXT-ZHE(14)
L2012797-01E	Glass 120ml/4oz unpreserved	A	NA		5.3	Y	Absent		REACTS(14),FLASH(),PH-9045(1),REACTCN(14)
L2012797-01F	Glass 120ml/4oz unpreserved	A	NA		5.3	Y	Absent		REACTS(14),FLASH(),PH-9045(1),REACTCN(14)
L2012797-01G	Glass 120ml/4oz unpreserved	A	NA		5.3	Y	Absent		REACTS(14),FLASH(),PH-9045(1),REACTCN(14)
L2012797-01H	Glass 120ml/4oz unpreserved	A	NA		5.3	Y	Absent		REACTS(14),FLASH(),PH-9045(1),REACTCN(14)
L2012797-01I	Glass 120ml/4oz unpreserved	A	NA		5.3	Y	Absent		REACTS(14),FLASH(),PH-9045(1),REACTCN(14)
L2012797-01J	Plastic 2oz unpreserved for TS	A	NA		5.3	Y	Absent		TS(7)
L2012797-01W	Amber 1000ml unpreserved Extracts	A	NA		5.3	Y	Absent		TCLP-8270(14)
L2012797-01X	Plastic 120ml HNO3 preserved Extracts	A	NA		5.3	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),SE-CI(180),CR-CI(180),AG-CI(180)
L2012797-01X9	Tumble Vessel	A	NA		5.3	Y	Absent		-
L2012797-01Y	Vial unpreserved Extracts	A	NA		5.3	Y	Absent		TCLP-VOA(14)
L2012797-01Z	Vial unpreserved Extracts	A	NA		5.3	Y	Absent		TCLP-VOA(14)

*Values in parentheses indicate holding time in days

Project Name:	FORMER JEFFERSON WOLLENSACK	**Lab Number:**	L2012797
Project Number:	2182207.13	**Report Date:**	03/25/20

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

Report Format: DU Report with 'J' Qualifiers

Project Name:	FORMER JEFFERSON WOLLENSACK	**Lab Number:**	L2012797
Project Number:	2182207.13	**Report Date:**	03/25/20

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration

Project Name:	FORMER JEFFERSON WOLLENSACK	**Lab Number:**	L2012797
Project Number:	2182207.13	**Report Date:**	03/25/20

Data Qualifiers

Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Report Format: DU Report with 'J' Qualifiers

Project Name:	FORMER JEFFERSON WOLLENSACK	**Lab Number:**	L2012797
Project Number:	2182207.13	**Report Date:**	03/25/20

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

125 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates IIIA, April 1998.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
EPA TO-12 Non-methane organics
EPA 3C Fixed gases
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

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8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 3/21/20

ALPHA Job #: L2012797

Project Information
Project Name: Former Jefferson Wollensack
Project Location: 856 Hudson Ave, Rochester N.Y.
Project # 2182207.13
(Use Project name as Project #) ☐
Project Manager: Mike Pelychaty
ALPHAQuote #:

Turn-Around Time
Standard ☐ Due Date:
Rush (only if pre approved) ☐ # of Days: 3 Day tat

Client Information
Client: LaBella
Address: 300 State Street, Rochester, NY
Phone: 585-454-6110
Fax: AdaSilva@LaBellapc.com
Email: MPelychaty@LaBellapc.com

Deliverables
☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☒ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☒ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:
* 5035 Kit Not Frozen

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☒ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Total VOCs CTICS	TCLP VOCs	TCLP Metals	TCLP SVOCs	Reactive Cyanide & Sulfide	pH	Flash point	Total Bottle	Sample Specific Comments
12797-01	WCS-20200320-02-C-Rolloff Soil	3/20/2020	1400	Soil	ADL	X	X	X	X	X	X	X		*5035 Kit Not Frozen + 60ml x 40z Jars

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type													
Preservative													

Relinquished By:	Date/Time	Received By:	Date/Time
	3/20/2020 1520		3/20/20 1523
	3/20/20 1523		3/21/20 01:00

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

Treatment Well Trench Soil Disposal Documentation

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NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number | 2. Page 1 of | 3. Emergency Response Phone | 4. Waste Tracking Number

5. Generator's Name and Mailing Address
- Jefferson Wollensack LLC
872-886 Hudson Ave, Rochester, NY 14611

Generator's Site Address (if different than mailing address)

Generator's Phone:

6. Transporter 1 Company Name | U.S. EPA ID Number

7. Transporter 2 Company Name
CASELLA - 35 Deep Rock Rd Roch NY 14624 | U.S. EPA ID Number

8. Designated Facility Name and Site Address
High Acres Landfill
425 Perinton Parkway, Fairport NY, 14450 | U.S. EPA ID Number

Facility's Phone: 585-223-6132

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
1.	Non-hazardous solvent Contaminated Soil	1	Rolloff	~15 tons	15 tons
2.					
3.					
4.					

13. Special Handling Instructions and Additional Information

Approval # 122279NY

14. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: X LaBella on Behalf of Jefferson Wollensack LLC | Signature | Month: 4 | Day: 15 | Year: 20

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:

Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: X | Signature | Month | Day | Year

Transporter 2 Printed/Typed Name: KEN WEBB | Signature | Month: 4 | Day: 15 | Year: 20

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) | U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) | Month | Day | Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

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NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number

GENERATOR

5. Generator's Name and Mailing Address: JEFFERSON WOLLENSACK LLC
872-886 HUDSON AVE
ROCHESTER NY, 14611
Generator's Phone:

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: CASELLA — U.S. EPA ID Number

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address: HIGH ACRES LANDFILL
425 PERINTON PARKWAY
FAIRPORT NY 14450
Facility's Phone: (585)223-6182 — U.S. EPA ID Number

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
1.	NON HAZ SOLVENT CONTAMINATED SOIL	1	ROLOFF	APPROX 12 TON	
2.					
3.					
4.					

13. Special Handling Instructions and Additional Information
APPROVAL # 122279 NY

14. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national/governmental regulations.

Generator's/Offeror's Printed/Typed Name: LABELLA ON BEHALF OF JEFFERSON WOLLENSACK LLC — Signature — Month: 4 Day: 16 Year: 20

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: X Aaron E Cla — Signature — Month: 4 Day: 16 Year: 20

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Waste Management High Acres LF
425 Perinton Pkwy
Fairport, NY, 14450
Ph: (585) 223-6132

Reprint
Ticket# 1346700

Customer Name LABELLAPC-122279NY LABELLA AS
Ticket Date 04/15/2020
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest NA
Destination
PO
Profile 122279NY (NON HAZARDOUS SOLVENT CONTAMINATED SOIL)
Generator 190-HUDSONWOLLENSACK HUDSON WOLLENSACK, LLC.

Carrier CASELLA
Vehicle# 4619
Container
Driver
Check#
Billing # 0007904
Gen EPA ID
Grid CELL 12A

Volume

	Time	Scale	Operator	Inbound
In	04/15/2020 13:12	A_Scale_1	SD #604682	
Out	04/15/2020 13:28	A_Scale_2	SD #604682	

Gross	57520 lb
Tare	36240 lb
Net	21280 lb
Tons	10.64

Comments

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	Cont Soil RCG-Tons	100	10.64	Tons				MON
2	EVF-P-Standard Env	100		%				MON
3	RCR-P-Regulatory C	100		%				MON
4	LFS4-LANDFILL FIXE	100		%				MON

Total Fees
Total Ticket

Driver`s Signature_____

Waste Management High Acres LF
425 Perinton Pkwy
Fairport, NY, 14450
Ph: (585) 223-6132

Reprint
Ticket# 1346979

Customer Name LABELLAPC-122279NY LABELLA AS
Ticket Date 04/16/2020
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest NA
Destination
PO
Profile 122279NY (NON HAZARDOUS SOLVENT CONTAMINATED SOIL)
Generator 190-HUDSONWOLLENSACK HUDSON WOLLENSACK, LLC.

Carrier CASELLA
Vehicle# 4648
Container
Driver
Check#
Billing # 0007904
Gen EPA ID
Grid CELL 12A

Volume

	Time	Scale	Operator	Inbound		
In	04/16/2020 12:52	A_Scale_1	SD #604682		Gross	46720 lb
Out	04/16/2020 13:16	A_Scale_2	SD #604682		Tare	33400 lb
					Net	13320 lb
					Tons	6.66

Comments

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	Cont Soil RCG-Tons	100	6.66	Tons				MON
2	EVF-P-Standard Env	100		%				MON
3	RCR-P-Regulatory C	100		%				MON
4	LFS4-LANDFILL FIXE	100		%				MON

Total Fees
Total Ticket

Driver`s Signature_____

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Materials Management, Bureau of Hazardous Waste and Radiation Management
625 Broadway, 9th Floor, Albany, New York 12233-7256
P: (518) 402-8651 | F: (518) 402-9024
www.dec.ny.gov

April 10, 2020

Sent via e-mail, no hard copy to follow
Ms. Jennifer Gillen, PG
Brownfield & Phase II Program Manager
LaBella Associates
300 State Street, Suite 201
Rochester, NY 14614

Re: "Contained-In" Determination Request
Former Wollensack Optical
872 Hudson Ave, Rochester, NY
NYSDEC Site No. C828209

Dear Ms. Gillen:

The New York State Department of Environmental Conservation (NYSDEC or the Department) have completed our review of the soil sampling data (Lab Report ID: L2014553 and 201494) collected during the installation of piping trenches within the soil and groundwater treatment area submitted on April 10, 2020, via e-mail request for a "contained-in" determination for the referenced project.

Concentrations detected for individual volatile organic compounds (VOCs) were all less than their current NYSDEC "contained in" soil action levels and Land Disposal Restriction concentrations. No hazardous constituents exhibited a hazardous waste characteristic by exceeding their TCLP regulatory level.

Concentrations (Lab Sample ID: L2014553-04, L2014553-05 and L2014553-06) for tetrachloroethene, trichloroethene and cis-1,2-dichloroethene were below the soil "contained-in" action level and the Land Disposal Restriction concentration. Therefore, approximate 20 cubic yards of soil that was generated from the site during the installation of piping trenches within the soil and groundwater treatment area at the subject property, do not have to be managed as a hazardous waste and can be transported off-site to either Waste Management's High Acres landfill in Fairport, NY or Waste Management's Mill Seat landfill in Riga, NY or another permitted 360 solid waste facility able to accept this material, for disposal as non-hazardous waste.

Should you have any questions regarding the content of this letter, please do not hesitate to contact me at (518) 402-9611 or email me at henry.wilkie@dec.ny.gov.

Sincerely,



Henry Wilkie
Assistant Environmental Engineer
RCRA Permitting Section

ec: C. Theobald, NYSDEC Region 8

Brett, Alexander

From: Wilkie, Henry (DEC) <henry.wilkie@dec.ny.gov>
Sent: Friday, April 10, 2020 4:33 PM
To: Pelychaty,Mike
Cc: Theobald, Charlotte B (DEC)
Subject: RE: C828209 - Former Jefferson Wollensack Contained-In Sample Results/Request for Injection Trenches
Attachments: Letter-Correspondence.BCP.C828209.2020-04-10.Former Jefferson Wollensack 6th Contained In Determination Approval.pdf

Good Afternoon All,

Attached is the "Contained-in" Determination approval letter.

This email copies you on correspondence from the New York State Department of Environmental Conservation. Electronic attachments may be attached. This document has also been entered into the DECDOC system. A hard copy version will not follow in the mail.

If you have any additional questions, please feel free to contact me.

Henry Wilkie

Henry Wilkie
Assistant Engineer, Division of Materials Management

New York State Department of Environmental Conservation
625 Broadway, Albany, New York 12233-7256
P: (518) 402-9611 | F: (518) 402-9627 | henry.wilkie@dec.ny.gov

www.dec.ny.gov | | | |

From: Pelychaty,Mike <mpelychaty@LaBellaPC.com>
Sent: Friday, April 10, 2020 2:27 PM
To: Wilkie, Henry (DEC) <henry.wilkie@dec.ny.gov>
Cc: Theobald, Charlotte B (DEC) <charlotte.theobald@dec.ny.gov>
Subject: C828209 - Former Jefferson Wollensack Contained-In Sample Results/Request for Injection Trenches

ATTENTION: This email came from an external source. Do not open attachments or click on links from unknown senders or unexpected emails.

Henry,

Attached are the lab data results (Lab Reports L2014553 (VOCs only) and 201494) reported for waste characterization from an approximate 20 cubic yards of soil that was generated from the site during the installation of piping trenches within the soil and groundwater treatment area. The two (2) grab samples for VOCs were collected from the in-place soil for that was originally intended for reuse. Based on the concentrations of VOCs (see

attached table), the NYSDEC Project Manager did not allow the material to be reused at the site. The two grab samples are representative of the highest PID reading (i.e. 2.5 ppm and 1.3 ppm) from a total of 8 locations evenly spaced across trench/excavation area. One (1) composite soil sample (from 5 discrete locations at the stockpile) was collected and submitted for the remaining analyses listed below:

- Total VOCs (TCL list) – Lab Report
- TCLP VOCs
- TCLP metals
- TCLP SVOCs
- Reactive cyanide and sulfide
- pH
- flashpoint

As mentioned to you in my email earlier this week, if you could please issue a Contained In Demonstration approval (assuming it meets the guidelines) ASAP, it would be greatly appreciated as the site is under a tight construction schedule. Feel free to call me at 585-507-7198 with any questions.

Regards,

Mike Pelychaty

Michael Pelychaty, PG
LaBella Associates | Sr. Environmental Geologist

585-295-6253 **direct**
585-454-6110 **office**
300 State Street, Suite 201
Rochester, NY 14614
labellapc.com

Table 1 - VOC Results
Request to Reuse Soil
Former Wollensack Optical - C828209
872 & 886 Hudson Avenue, Rochester, New York
LaBella Project #2182207

SAMPLE ID:	CAS #	Units	Allowable Constituent Levels for Imported Fill or Soil Subdivision 5.4(e) for Restricted Residential Site	6NYCRR Part 375-6.8(b) Restricted Use Soil Cleanup Objectives for a Restrucuted Residential Site	IWTRENCHREUSE-01-G-20200403			DUPE-G-20200403			IWTRENCHREUSE-02-G-20200403		
LAB ID:					L2014553-04			L2014553-05			L2014553-06		
COLLECTION DATE:					4/3/2020			4/3/2020			4/3/2020		
SAMPLE DEPTH:					1			1			1		
SAMPLE MATRIX:					SOIL			SOIL			SOIL		
					Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
Methylene chloride	75-09-2	mg/kg	0.05	100	0.15	U	0.15	0.16	U	0.16	0.0021	U	0.0021
1,1-Dichloroethane	75-34-3	mg/kg	0.27	26	0.0094	U	0.0094	0.01	U	0.01	0.00013	U	0.00013
Chloroform	67-66-3	mg/kg	0.37	49	0.012	J	0.0091	0.012	J	0.0097	0.00052	J	0.00013
Carbon tetrachloride	56-23-5	mg/kg	0.76	2.4	0.015	U	0.015	0.016	U	0.016	0.00021	U	0.00021
1,2-Dichloropropane	78-87-5	mg/kg	NL	NL	0.0081	U	0.0081	0.0087	U	0.0087	0.00011	U	0.00011
Dibromochloromethane	124-48-1	mg/kg	NL	NL	0.0091	U	0.0091	0.0097	U	0.0097	0.00013	U	0.00013
1,1,2-Trichloroethane	79-00-5	mg/kg	NL	NL	0.017	U	0.017	0.018	U	0.018	0.00024	U	0.00024
Tetrachloroethene	127-18-4	mg/kg	1.3	19	0.013	U	0.013	0.014	U	0.014	0.00027	J	0.00018
Chlorobenzene	108-90-7	mg/kg	1.1	100	0.0083	U	0.0083	0.0088	U	0.0088	0.00011	U	0.00011
Trichlorofluoromethane	75-69-4	mg/kg	NL	NL	0.045	U	0.045	0.048	U	0.048	0.00063	U	0.00063
1,2-Dichloroethane	107-06-2	mg/kg	0.02	3.1	0.017	U	0.017	0.018	U	0.018	0.00023	U	0.00023
1,1,1-Trichloroethane	71-55-6	mg/kg	0.68	100	0.011	U	0.011	0.012	U	0.012	0.00015	U	0.00015
Bromodichloromethane	75-27-4	mg/kg	NL	NL	0.0071	U	0.0071	0.0076	U	0.0076	0.0001	U	0.0001
trans-1,3-Dichloropropene	10061-02-6	mg/kg	NL	NL	0.018	U	0.018	0.019	U	0.019	0.00025	U	0.00025
cis-1,3-Dichloropropene	10061-01-5	mg/kg	NL	NL	0.01	U	0.01	0.011	U	0.011	0.00014	U	0.00014
Bromoform	75-25-2	mg/kg	NL	NL	0.016	U	0.016	0.017	U	0.017	0.00022	U	0.00022
1,1,2,2-Tetrachloroethane	79-34-5	mg/kg	NL	NL	0.011	U	0.011	0.012	U	0.012	0.00015	U	0.00015
Benzene	71-43-2	mg/kg	0.06	4.8	0.011	U	0.011	0.012	U	0.012	0.00015	U	0.00015
Toluene	108-88-3	mg/kg	0.7	100	0.035	U	0.035	0.038	U	0.038	0.00049	U	0.00049
Ethylbenzene	100-41-4	mg/kg	1	41	0.0092	U	0.0092	0.0098	U	0.0098	0.00013	U	0.00013
Chloromethane	74-87-3	mg/kg	NL	NL	0.061	U	0.061	0.065	U	0.065	0.00084	U	0.00084
Bromomethane	74-83-9	mg/kg	NL	NL	0.038	U	0.038	0.04	U	0.04	0.00052	U	0.00052
Vinyl chloride	75-01-4	mg/kg	0.02	0.9	0.022	U	0.022	0.023	U	0.023	0.0003	U	0.0003
Chloroethane	75-00-3	mg/kg	NL	NL	0.029	U	0.029	0.031	U	0.031	0.00041	U	0.00041
1,1-Dichloroethene	75-35-4	mg/kg	0.33	100	0.016	U	0.016	0.016	U	0.016	0.00022	U	0.00022
trans-1,2-Dichloroethene	156-60-5	mg/kg	0.19	100	0.0089	U	0.0089	0.0095	U	0.0095	0.00012	U	0.00012
Trichloroethene	79-01-6	mg/kg	0.47	21	**2.5**		0.0089	**4.6**		0.0095	0.028		0.00012
1,2-Dichlorobenzene	95-50-1	mg/kg	1.1	100	0.0094	U	0.0094	0.01	U	0.01	0.00013	U	0.00013
1,3-Dichlorobenzene	541-73-1	mg/kg	2.4	49	0.0096	U	0.0096	0.01	U	0.01	0.00013	U	0.00013
1,4-Dichlorobenzene	106-46-7	mg/kg	1.8	13	0.011	U	0.011	0.012	U	0.012	0.00015	U	0.00015
Methyl tert butyl ether	1634-04-4	mg/kg	0.93	100	0.013	U	0.013	0.014	U	0.014	0.00018	U	0.00018
p/m-Xylene	179601-23-1	mg/kg	NL	NL	0.036	U	0.036	0.039	U	0.039	0.00051	U	0.00051
o-Xylene	95-47-6	mg/kg	NL	NL	0.019	U	0.019	0.02	U	0.02	0.00026	U	0.00026
cis-1,2-Dichloroethene	156-59-2	mg/kg	0.25	100	0.011	U	0.011	0.012	U	0.012	0.00016	U	0.00016
Styrene	100-42-5	mg/kg	NL	NL	0.013	U	0.013	0.014	U	0.014	0.00018	U	0.00018
Dichlorodifluoromethane	75-71-8	mg/kg	NL	NL	0.06	U	0.06	0.063	U	0.063	0.00083	U	0.00083
Acetone	67-64-1	mg/kg	0.05	100	0.31	U	0.31	0.33	U	0.33	**0.65**	**J**	0.0044
Carbon disulfide	75-15-0	mg/kg	NL	NL	0.3	U	0.3	0.32	U	0.32	0.0041	U	0.0041
2-Butanone	78-93-3	mg/kg	0.12	100	0.14	U	0.14	**0.2**	**J**	0.15	0.03		0.002
4-Methyl-2-pentanone	108-10-1	mg/kg	NL	NL	0.083	U	0.083	0.089	U	0.089	0.0012	U	0.0012
2-Hexanone	591-78-6	mg/kg	NL	NL	0.077	U	0.077	0.082	U	0.082	0.0011	U	0.0011
Bromochloromethane	74-97-5	mg/kg	NL	NL	0.013	U	0.013	0.014	U	0.014	0.00018	U	0.00018
1,2-Dibromoethane	106-93-4	mg/kg	NL	NL	0.018	U	0.018	0.019	U	0.019	0.00025	U	0.00025
1,2-Dibromo-3-chloropropane	96-12-8	mg/kg	NL	NL	0.065	U	0.065	0.069	U	0.069	0.0009	U	0.0009
Isopropylbenzene	98-82-8	mg/kg	NL	NL	0.0071	U	0.0071	0.0076	U	0.0076	0.0001	U	0.0001
1,2,3-Trichlorobenzene	87-61-6	mg/kg	NL	NL	0.021	U	0.021	0.022	U	0.022	0.00029	U	0.00029
1,2,4-Trichlorobenzene	120-82-1	mg/kg	NL	NL	0.018	U	0.018	0.019	U	0.019	0.00025	U	0.00025
Methyl Acetate	79-20-9	mg/kg	NL	NL	0.062	U	0.062	0.066	U	0.066	0.00086	U	0.00086
Cyclohexane	110-82-7	mg/kg	NL	NL	0.035	U	0.035	0.038	U	0.038	0.00049	U	0.00049
1,4-Dioxane	123-91-1	mg/kg	0.1	13	2.3	U	2.3	2.4	U	2.4	0.032	U	0.032
Freon-113	76-13-1	mg/kg	NL	NL	0.045	U	0.045	0.048	U	0.048	0.00063	U	0.00063
Methyl cyclohexane	108-87-2	mg/kg	NL	NL	0.039	U	0.039	0.042	U	0.042	0.00054	U	0.00054
Total TIC Compounds		mg/kg	NL	NL	-		-	-		-	0.487	J	0

Notes:
Yellow Highlight indicates concentration above the Allowable Constituent Levels for Imported Fill or Soil Subdivision 5.4(e) for Restricted Residential Site indicates concentration above the Allowable Constituent Levels for Imported Fill or SoilSubdivision 5.4(e) for Restricted Residential Site
mg/kg - milligrams per kilogram
U denotes concentration not detected above the laboratory method detection limit
MDL - Method detection Limit
Q - Qualifier
Conc - Concentration
J - Result is estimated
TICs - Tentatively Identified Compounds
NL - Not Listed

ANALYTICAL REPORT

Lab Number:	L2014553
Client:	LaBella Associates, P.C. 300 State Street Suite 201 Rochester, NY 14614
ATTN:	Mike Pelychaty
Phone:	(585) 295-6253
Project Name:	WOLLENSACK OPTICAL
Project Number:	2182207.13
Report Date:	04/06/20

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: WOLLENSACK OPTICAL
Project Number: 2182207.13

Lab Number: L2014553
Report Date: 04/06/20

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2014553-01	IWTRENCHREUSE-01-C-20200403	SOIL	886 HUDSON AVE., ROCHESTER, NY	04/03/20 12:00	04/03/20
L2014553-02	IWTRENCHREUSE-02-C-20200403	SOIL	886 HUDSON AVE., ROCHESTER, NY	04/03/20 14:30	04/03/20
L2014553-03	DUPE-C-20200403	SOIL	886 HUDSON AVE., ROCHESTER, NY	04/03/20 12:30	04/03/20
L2014553-04	IWTRENCHREUSE-01-G-20200403	SOIL	886 HUDSON AVE., ROCHESTER, NY	04/03/20 13:00	04/03/20
L2014553-05	DUPE-G-20200403	SOIL	886 HUDSON AVE., ROCHESTER, NY	04/03/20 14:00	04/03/20
L2014553-06	IWTRENCHREUSE-02-G-20200403	SOIL	886 HUDSON AVE., ROCHESTER, NY	04/03/20 15:00	04/03/20

Project Name:	WOLLENSACK OPTICAL	**Lab Number:**	L2014553
Project Number:	2182207.13	**Report Date:**	04/06/20

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	WOLLENSACK OPTICAL	**Lab Number:**	L2014553
Project Number:	2182207.13	**Report Date:**	04/06/20

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics

L2014553-06: The sample was analyzed as a High Level Methanol in order to quantitate results within the calibration range. The result should be considered estimated, and is qualified with an E flag, for any compound that exceeded the calibration on the initial Low Level analysis. The results of both analyses are reported.

Total Metals

L2014553-01, -02 and -03: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

The WG1358126-3/-4 MS/MSD recoveries for aluminum (583%/1030%), calcium (610%/0%), iron (0%/1220%), magnesium (196%/0%) and manganese (0%/0%), performed on L2014553-01, do not apply because the sample concentrations are greater than four times the spike amounts added.

The WG1358126-3/-4 MS/MSD recoveries, performed on L2014553-01, are outside the acceptance criteria for cadmium (71%/69%). A post digestion spike was performed and yielded unacceptable recoveries for cadmium (71%). The serial dilution recovery was not applicable; therefore, this element fails the matrix test and the result reported in the native sample should be considered estimated.

The WG1358126-3/-4 MS/MSD recoveries, performed on L2014553-01, are outside the acceptance criteria for lead (MSD 72%), selenium (MSD 72%), sodium (62%/17%) and thallium (64%/45%). A post digestion spike was performed and was within acceptance criteria.

The WG1358126-3/-4 MS/MSD RPDs for calcium (89%), magnesium (43%), manganese (110%) and sodium (26%), performed on L2014553-01, are above the acceptance criteria.

The WG1358127-3/-4 MS/MSD recoveries, performed on L2014553-01, are outside the acceptance criteria for mercury (150%/152%). A post digestion spike was performed and was within acceptance criteria.

Project Name:	WOLLENSACK OPTICAL	**Lab Number:**	L2014553
Project Number:	2182207.13	**Report Date:**	04/06/20

Case Narrative (continued)

Cyanide, Total

The WG1358380-2 LCS recovery for cyanide, total (74%), associated with L2014553-01, -02 and -03, is outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Melissa Sturgis Melissa Sturgis

Title: Technical Director/Representative Date: 04/06/20

ORGANICS

VOLATILES

Project Name: WOLLENSACK OPTICAL **Lab Number:** L2014553

Project Number: 2182207.13 **Report Date:** 04/06/20

SAMPLE RESULTS

Lab ID: L2014553-04 Date Collected: 04/03/20 13:00

Client ID: IWTRENCHREUSE-01-G-20200403 Date Received: 04/03/20

Sample Location: 886 HUDSON AVE., ROCHESTER, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 1,8260C

Analytical Date: 04/05/20 12:56

Analyst: AD

Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	320	150	1
1,1-Dichloroethane	ND		ug/kg	65	9.4	1
Chloroform	12	J	ug/kg	98	9.1	1
Carbon tetrachloride	ND		ug/kg	65	15.	1
1,2-Dichloropropane	ND		ug/kg	65	8.1	1
Dibromochloromethane	ND		ug/kg	65	9.1	1
1,1,2-Trichloroethane	ND		ug/kg	65	17.	1
Tetrachloroethene	ND		ug/kg	32	13.	1
Chlorobenzene	ND		ug/kg	32	8.3	1
Trichlorofluoromethane	ND		ug/kg	260	45.	1
1,2-Dichloroethane	ND		ug/kg	65	17.	1
1,1,1-Trichloroethane	ND		ug/kg	32	11.	1
Bromodichloromethane	ND		ug/kg	32	7.1	1
trans-1,3-Dichloropropene	ND		ug/kg	65	18.	1
cis-1,3-Dichloropropene	ND		ug/kg	32	10.	1
Bromoform	ND		ug/kg	260	16.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	32	11.	1
Benzene	ND		ug/kg	32	11.	1
Toluene	ND		ug/kg	65	35.	1
Ethylbenzene	ND		ug/kg	65	9.2	1
Chloromethane	ND		ug/kg	260	61.	1
Bromomethane	ND		ug/kg	130	38.	1
Vinyl chloride	ND		ug/kg	65	22.	1
Chloroethane	ND		ug/kg	130	29.	1
1,1-Dichloroethene	ND		ug/kg	65	16.	1
trans-1,2-Dichloroethene	ND		ug/kg	98	8.9	1
Trichloroethene	2500		ug/kg	32	8.9	1
1,2-Dichlorobenzene	ND		ug/kg	130	9.4	1

Project Name: WOLLENSACK OPTICAL **Lab Number:** L2014553

Project Number: 2182207.13 **Report Date:** 04/06/20

SAMPLE RESULTS

Lab ID: L2014553-04 Date Collected: 04/03/20 13:00

Client ID: IWTRENCHREUSE-01-G-20200403 Date Received: 04/03/20

Sample Location: 886 HUDSON AVE., ROCHESTER, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	130	9.6	1
1,4-Dichlorobenzene	ND		ug/kg	130	11.	1
Methyl tert butyl ether	ND		ug/kg	130	13.	1
p/m-Xylene	ND		ug/kg	130	36.	1
o-Xylene	ND		ug/kg	65	19.	1
cis-1,2-Dichloroethene	ND		ug/kg	65	11.	1
Styrene	ND		ug/kg	65	13.	1
Dichlorodifluoromethane	ND		ug/kg	650	60.	1
Acetone	ND		ug/kg	650	310	1
Carbon disulfide	ND		ug/kg	650	300	1
2-Butanone	ND		ug/kg	650	140	1
4-Methyl-2-pentanone	ND		ug/kg	650	83.	1
2-Hexanone	ND		ug/kg	650	77.	1
Bromochloromethane	ND		ug/kg	130	13.	1
1,2-Dibromoethane	ND		ug/kg	65	18.	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	200	65.	1
Isopropylbenzene	ND		ug/kg	65	7.1	1
1,2,3-Trichlorobenzene	ND		ug/kg	130	21.	1
1,2,4-Trichlorobenzene	ND		ug/kg	130	18.	1
Methyl Acetate	ND		ug/kg	260	62.	1
Cyclohexane	ND		ug/kg	650	35.	1
1,4-Dioxane	ND		ug/kg	5200	2300	1
Freon-113	ND		ug/kg	260	45.	1
Methyl cyclohexane	ND		ug/kg	260	39.	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/kg	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	104		70-130

Project Name: WOLLENSACK OPTICAL **Lab Number:** L2014553

Project Number: 2182207.13 **Report Date:** 04/06/20

SAMPLE RESULTS

Lab ID: L2014553-05 Date Collected: 04/03/20 14:00
Client ID: DUPE-G-20200403 Date Received: 04/03/20
Sample Location: 886 HUDSON AVE., ROCHESTER, NY Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 04/05/20 13:29
Analyst: AD
Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	350	160	1
1,1-Dichloroethane	ND		ug/kg	69	10.	1
Chloroform	12	J	ug/kg	100	9.7	1
Carbon tetrachloride	ND		ug/kg	69	16.	1
1,2-Dichloropropane	ND		ug/kg	69	8.7	1
Dibromochloromethane	ND		ug/kg	69	9.7	1
1,1,2-Trichloroethane	ND		ug/kg	69	18.	1
Tetrachloroethene	ND		ug/kg	35	14.	1
Chlorobenzene	ND		ug/kg	35	8.8	1
Trichlorofluoromethane	ND		ug/kg	280	48.	1
1,2-Dichloroethane	ND		ug/kg	69	18.	1
1,1,1-Trichloroethane	ND		ug/kg	35	12.	1
Bromodichloromethane	ND		ug/kg	35	7.6	1
trans-1,3-Dichloropropene	ND		ug/kg	69	19.	1
cis-1,3-Dichloropropene	ND		ug/kg	35	11.	1
Bromoform	ND		ug/kg	280	17.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	35	12.	1
Benzene	ND		ug/kg	35	12.	1
Toluene	ND		ug/kg	69	38.	1
Ethylbenzene	ND		ug/kg	69	9.8	1
Chloromethane	ND		ug/kg	280	65.	1
Bromomethane	ND		ug/kg	140	40.	1
Vinyl chloride	ND		ug/kg	69	23.	1
Chloroethane	ND		ug/kg	140	31.	1
1,1-Dichloroethene	ND		ug/kg	69	16.	1
trans-1,2-Dichloroethene	ND		ug/kg	100	9.5	1
Trichloroethene	4600		ug/kg	35	9.5	1
1,2-Dichlorobenzene	ND		ug/kg	140	10.	1

Project Name: WOLLENSACK OPTICAL **Lab Number:** L2014553

Project Number: 2182207.13 **Report Date:** 04/06/20

SAMPLE RESULTS

Lab ID: L2014553-05 Date Collected: 04/03/20 14:00

Client ID: DUPE-G-20200403 Date Received: 04/03/20

Sample Location: 886 HUDSON AVE., ROCHESTER, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	140	10.	1
1,4-Dichlorobenzene	ND		ug/kg	140	12.	1
Methyl tert butyl ether	ND		ug/kg	140	14.	1
p/m-Xylene	ND		ug/kg	140	39.	1
o-Xylene	ND		ug/kg	69	20.	1
cis-1,2-Dichloroethene	ND		ug/kg	69	12.	1
Styrene	ND		ug/kg	69	14.	1
Dichlorodifluoromethane	ND		ug/kg	690	63.	1
Acetone	ND		ug/kg	690	330	1
Carbon disulfide	ND		ug/kg	690	320	1
2-Butanone	200	J	ug/kg	690	150	1
4-Methyl-2-pentanone	ND		ug/kg	690	89.	1
2-Hexanone	ND		ug/kg	690	82.	1
Bromochloromethane	ND		ug/kg	140	14.	1
1,2-Dibromoethane	ND		ug/kg	69	19.	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	210	69.	1
Isopropylbenzene	ND		ug/kg	69	7.6	1
1,2,3-Trichlorobenzene	ND		ug/kg	140	22.	1
1,2,4-Trichlorobenzene	ND		ug/kg	140	19.	1
Methyl Acetate	ND		ug/kg	280	66.	1
Cyclohexane	ND		ug/kg	690	38.	1
1,4-Dioxane	ND		ug/kg	5500	2400	1
Freon-113	ND		ug/kg	280	48.	1
Methyl cyclohexane	ND		ug/kg	280	42.	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/kg	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	76		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	97		70-130

Project Name: WOLLENSACK OPTICAL **Lab Number:** L2014553

Project Number: 2182207.13 **Report Date:** 04/06/20

SAMPLE RESULTS

Lab ID: L2014553-06 Date Collected: 04/03/20 15:00

Client ID: IWTRENCHREUSE-02-G-20200403 Date Received: 04/03/20

Sample Location: 886 HUDSON AVE., ROCHESTER, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 1,8260C

Analytical Date: 04/05/20 20:50

Analyst: JC

Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.5	2.1	1
1,1-Dichloroethane	ND		ug/kg	0.90	0.13	1
Chloroform	0.52	J	ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.90	0.21	1
1,2-Dichloropropane	ND		ug/kg	0.90	0.11	1
Dibromochloromethane	ND		ug/kg	0.90	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.90	0.24	1
Tetrachloroethene	0.27	J	ug/kg	0.45	0.18	1
Chlorobenzene	ND		ug/kg	0.45	0.11	1
Trichlorofluoromethane	ND		ug/kg	3.6	0.63	1
1,2-Dichloroethane	ND		ug/kg	0.90	0.23	1
1,1,1-Trichloroethane	ND		ug/kg	0.45	0.15	1
Bromodichloromethane	ND		ug/kg	0.45	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.90	0.25	1
cis-1,3-Dichloropropene	ND		ug/kg	0.45	0.14	1
Bromoform	ND		ug/kg	3.6	0.22	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.45	0.15	1
Benzene	ND		ug/kg	0.45	0.15	1
Toluene	ND		ug/kg	0.90	0.49	1
Ethylbenzene	ND		ug/kg	0.90	0.13	1
Chloromethane	ND		ug/kg	3.6	0.84	1
Bromomethane	ND		ug/kg	1.8	0.52	1
Vinyl chloride	ND		ug/kg	0.90	0.30	1
Chloroethane	ND		ug/kg	1.8	0.41	1
1,1-Dichloroethene	ND		ug/kg	0.90	0.22	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.12	1
Trichloroethene	28		ug/kg	0.45	0.12	1
1,2-Dichlorobenzene	ND		ug/kg	1.8	0.13	1

Project Name: WOLLENSACK OPTICAL **Lab Number:** L2014553

Project Number: 2182207.13 **Report Date:** 04/06/20

SAMPLE RESULTS

Lab ID: L2014553-06 Date Collected: 04/03/20 15:00

Client ID: IWTRENCHREUSE-02-G-20200403 Date Received: 04/03/20

Sample Location: 886 HUDSON AVE., ROCHESTER, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	1.8	0.13	1
1,4-Dichlorobenzene	ND		ug/kg	1.8	0.15	1
Methyl tert butyl ether	ND		ug/kg	1.8	0.18	1
p/m-Xylene	ND		ug/kg	1.8	0.51	1
o-Xylene	ND		ug/kg	0.90	0.26	1
cis-1,2-Dichloroethene	ND		ug/kg	0.90	0.16	1
Styrene	ND		ug/kg	0.90	0.18	1
Dichlorodifluoromethane	ND		ug/kg	9.0	0.83	1
Acetone	360	E	ug/kg	9.0	4.4	1
Carbon disulfide	ND		ug/kg	9.0	4.1	1
2-Butanone	30		ug/kg	9.0	2.0	1
4-Methyl-2-pentanone	ND		ug/kg	9.0	1.2	1
2-Hexanone	ND		ug/kg	9.0	1.1	1
Bromochloromethane	ND		ug/kg	1.8	0.18	1
1,2-Dibromoethane	ND		ug/kg	0.90	0.25	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.7	0.90	1
Isopropylbenzene	ND		ug/kg	0.90	0.10	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.8	0.29	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.8	0.25	1
Methyl Acetate	ND		ug/kg	3.6	0.86	1
Cyclohexane	ND		ug/kg	9.0	0.49	1
1,4-Dioxane	ND		ug/kg	72	32.	1
Freon-113	ND		ug/kg	3.6	0.63	1
Methyl cyclohexane	ND		ug/kg	3.6	0.54	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/kg	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	89		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	101		70-130

Project Name: WOLLENSACK OPTICAL **Lab Number:** L2014553

Project Number: 2182207.13 **Report Date:** 04/06/20

SAMPLE RESULTS

Lab ID: L2014553-06 Date Collected: 04/03/20 15:00

Client ID: IWTRENCHREUSE-02-G-20200403 Date Received: 04/03/20

Sample Location: 886 HUDSON AVE., ROCHESTER, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 1,8260C

Analytical Date: 04/06/20 08:17

Analyst: MV

Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	330	150	1
1,1-Dichloroethane	ND		ug/kg	66	9.5	1
Chloroform	ND		ug/kg	99	9.2	1
Carbon tetrachloride	ND		ug/kg	66	15.	1
1,2-Dichloropropane	ND		ug/kg	66	8.2	1
Dibromochloromethane	ND		ug/kg	66	9.2	1
1,1,2-Trichloroethane	ND		ug/kg	66	18.	1
Tetrachloroethene	ND		ug/kg	33	13.	1
Chlorobenzene	8.9	J	ug/kg	33	8.3	1
Trichlorofluoromethane	ND		ug/kg	260	46.	1
1,2-Dichloroethane	ND		ug/kg	66	17.	1
1,1,1-Trichloroethane	ND		ug/kg	33	11.	1
Bromodichloromethane	ND		ug/kg	33	7.2	1
trans-1,3-Dichloropropene	ND		ug/kg	66	18.	1
cis-1,3-Dichloropropene	ND		ug/kg	33	10.	1
Bromoform	ND		ug/kg	260	16.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	33	11.	1
Benzene	ND		ug/kg	33	11.	1
Toluene	ND		ug/kg	66	36.	1
Ethylbenzene	ND		ug/kg	66	9.3	1
Chloromethane	ND		ug/kg	260	61.	1
Bromomethane	ND		ug/kg	130	38.	1
Vinyl chloride	ND		ug/kg	66	22.	1
Chloroethane	ND		ug/kg	130	30.	1
1,1-Dichloroethene	ND		ug/kg	66	16.	1
trans-1,2-Dichloroethene	ND		ug/kg	99	9.0	1
Trichloroethene	320		ug/kg	33	9.0	1
1,2-Dichlorobenzene	ND		ug/kg	130	9.5	1

Project Name: WOLLENSACK OPTICAL **Lab Number:** L2014553

Project Number: 2182207.13 **Report Date:** 04/06/20

SAMPLE RESULTS

Lab ID: L2014553-06 Date Collected: 04/03/20 15:00

Client ID: IWTRENCHREUSE-02-G-20200403 Date Received: 04/03/20

Sample Location: 886 HUDSON AVE., ROCHESTER, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	130	9.7	1
1,4-Dichlorobenzene	12	J	ug/kg	130	11.	1
Methyl tert butyl ether	ND		ug/kg	130	13.	1
p/m-Xylene	ND		ug/kg	130	37.	1
o-Xylene	ND		ug/kg	66	19.	1
cis-1,2-Dichloroethene	ND		ug/kg	66	12.	1
Styrene	ND		ug/kg	66	13.	1
Dichlorodifluoromethane	ND		ug/kg	660	60.	1
Acetone	650	J	ug/kg	660	320	1
Carbon disulfide	ND		ug/kg	660	300	1
2-Butanone	220	J	ug/kg	660	140	1
4-Methyl-2-pentanone	ND		ug/kg	660	84.	1
2-Hexanone	ND		ug/kg	660	78.	1
Bromochloromethane	ND		ug/kg	130	13.	1
1,2-Dibromoethane	ND		ug/kg	66	18.	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	200	66.	1
Isopropylbenzene	ND		ug/kg	66	7.2	1
1,2,3-Trichlorobenzene	ND		ug/kg	130	21.	1
1,2,4-Trichlorobenzene	ND		ug/kg	130	18.	1
Methyl Acetate	ND		ug/kg	260	62.	1
Cyclohexane	ND		ug/kg	660	36.	1
1,4-Dioxane	ND		ug/kg	5200	2300	1
Freon-113	ND		ug/kg	260	46.	1
Methyl cyclohexane	ND		ug/kg	260	40.	1

Tentatively Identified Compounds					
Total TIC Compounds	487	J	ug/kg		1
Unknown	306	J	ug/kg		1
Unknown	181	J	ug/kg		1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	109		70-130

Project Name: WOLLENSACK OPTICAL **Lab Number:** L2014553

Project Number: 2182207.13 **Report Date:** 04/06/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/05/20 11:52
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 04-05 Batch: WG1358450-5					
Methylene chloride	ND		ug/kg	250	110
1,1-Dichloroethane	ND		ug/kg	50	7.2
Chloroform	9.6	J	ug/kg	75	7.0
Carbon tetrachloride	ND		ug/kg	50	12.
1,2-Dichloropropane	ND		ug/kg	50	6.2
Dibromochloromethane	ND		ug/kg	50	7.0
1,1,2-Trichloroethane	ND		ug/kg	50	13.
Tetrachloroethene	ND		ug/kg	25	9.8
Chlorobenzene	ND		ug/kg	25	6.4
Trichlorofluoromethane	ND		ug/kg	200	35.
1,2-Dichloroethane	ND		ug/kg	50	13.
1,1,1-Trichloroethane	ND		ug/kg	25	8.4
Bromodichloromethane	ND		ug/kg	25	5.4
trans-1,3-Dichloropropene	ND		ug/kg	50	14.
cis-1,3-Dichloropropene	ND		ug/kg	25	7.9
Bromoform	ND		ug/kg	200	12.
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	8.3
Benzene	ND		ug/kg	25	8.3
Toluene	ND		ug/kg	50	27.
Ethylbenzene	ND		ug/kg	50	7.0
Chloromethane	ND		ug/kg	200	47.
Bromomethane	ND		ug/kg	100	29.
Vinyl chloride	ND		ug/kg	50	17.
Chloroethane	ND		ug/kg	100	23.
1,1-Dichloroethene	ND		ug/kg	50	12.
trans-1,2-Dichloroethene	ND		ug/kg	75	6.8
Trichloroethene	ND		ug/kg	25	6.8
1,2-Dichlorobenzene	ND		ug/kg	100	7.2
1,3-Dichlorobenzene	ND		ug/kg	100	7.4

Project Name: WOLLENSACK OPTICAL **Lab Number:** L2014553

Project Number: 2182207.13 **Report Date:** 04/06/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/05/20 11:52
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 04-05 Batch: WG1358450-5					
1,4-Dichlorobenzene	ND		ug/kg	100	8.6
Methyl tert butyl ether	ND		ug/kg	100	10.
p/m-Xylene	ND		ug/kg	100	28.
o-Xylene	ND		ug/kg	50	14.
cis-1,2-Dichloroethene	ND		ug/kg	50	8.8
Styrene	ND		ug/kg	50	9.8
Dichlorodifluoromethane	ND		ug/kg	500	46.
Acetone	ND		ug/kg	500	240
Carbon disulfide	ND		ug/kg	500	230
2-Butanone	ND		ug/kg	500	110
4-Methyl-2-pentanone	ND		ug/kg	500	64.
2-Hexanone	ND		ug/kg	500	59.
Bromochloromethane	ND		ug/kg	100	10.
1,2-Dibromoethane	ND		ug/kg	50	14.
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	50.
Isopropylbenzene	ND		ug/kg	50	5.4
1,2,3-Trichlorobenzene	ND		ug/kg	100	16.
1,2,4-Trichlorobenzene	ND		ug/kg	100	14.
Methyl Acetate	ND		ug/kg	200	48.
Cyclohexane	ND		ug/kg	500	27.
1,4-Dioxane	ND		ug/kg	4000	1800
Freon-113	ND		ug/kg	200	35.
Methyl cyclohexane	ND		ug/kg	200	30.

Tentatively Identified Compounds

No Tentatively Identified Compounds ND ug/kg

Project Name: WOLLENSACK OPTICAL
Project Number: 2182207.13
Lab Number: L2014553
Report Date: 04/06/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/05/20 11:52
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 04-05 Batch: WG1358450-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	94		70-130

Project Name: WOLLENSACK OPTICAL **Lab Number:** L2014553

Project Number: 2182207.13 **Report Date:** 04/06/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/05/20 11:52
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 06 Batch: WG1358451-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	0.19	J	ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15

Project Name: WOLLENSACK OPTICAL **Lab Number:** L2014553

Project Number: 2182207.13 **Report Date:** 04/06/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/05/20 11:52
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 06 Batch: WG1358451-5					
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Isopropylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
Methyl Acetate	ND		ug/kg	4.0	0.95
Cyclohexane	ND		ug/kg	10	0.54
1,4-Dioxane	ND		ug/kg	80	35.
Freon-113	ND		ug/kg	4.0	0.69
Methyl cyclohexane	ND		ug/kg	4.0	0.60
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/kg		

Project Name: WOLLENSACK OPTICAL
Project Number: 2182207.13
Lab Number: L2014553
Report Date: 04/06/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/05/20 11:52
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 06 Batch: WG1358451-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	94		70-130

Project Name: WOLLENSACK OPTICAL **Lab Number:** L2014553

Project Number: 2182207.13 **Report Date:** 04/06/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/06/20 06:53
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06 Batch: WG1358536-5					
Methylene chloride	ND		ug/kg	250	110
1,1-Dichloroethane	ND		ug/kg	50	7.2
Chloroform	ND		ug/kg	75	7.0
Carbon tetrachloride	ND		ug/kg	50	12.
1,2-Dichloropropane	ND		ug/kg	50	6.2
Dibromochloromethane	ND		ug/kg	50	7.0
1,1,2-Trichloroethane	ND		ug/kg	50	13.
Tetrachloroethene	ND		ug/kg	25	9.8
Chlorobenzene	ND		ug/kg	25	6.4
Trichlorofluoromethane	ND		ug/kg	200	35.
1,2-Dichloroethane	ND		ug/kg	50	13.
1,1,1-Trichloroethane	ND		ug/kg	25	8.4
Bromodichloromethane	ND		ug/kg	25	5.4
trans-1,3-Dichloropropene	ND		ug/kg	50	14.
cis-1,3-Dichloropropene	ND		ug/kg	25	7.9
Bromoform	ND		ug/kg	200	12.
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	8.3
Benzene	ND		ug/kg	25	8.3
Toluene	ND		ug/kg	50	27.
Ethylbenzene	ND		ug/kg	50	7.0
Chloromethane	ND		ug/kg	200	47.
Bromomethane	35	J	ug/kg	100	29.
Vinyl chloride	ND		ug/kg	50	17.
Chloroethane	ND		ug/kg	100	23.
1,1-Dichloroethene	ND		ug/kg	50	12.
trans-1,2-Dichloroethene	ND		ug/kg	75	6.8
Trichloroethene	ND		ug/kg	25	6.8
1,2-Dichlorobenzene	ND		ug/kg	100	7.2
1,3-Dichlorobenzene	ND		ug/kg	100	7.4

Project Name: WOLLENSACK OPTICAL **Lab Number:** L2014553

Project Number: 2182207.13 **Report Date:** 04/06/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/06/20 06:53
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06 Batch: WG1358536-5					
1,4-Dichlorobenzene	ND		ug/kg	100	8.6
Methyl tert butyl ether	ND		ug/kg	100	10.
p/m-Xylene	ND		ug/kg	100	28.
o-Xylene	ND		ug/kg	50	14.
cis-1,2-Dichloroethene	ND		ug/kg	50	8.8
Styrene	ND		ug/kg	50	9.8
Dichlorodifluoromethane	ND		ug/kg	500	46.
Acetone	ND		ug/kg	500	240
Carbon disulfide	ND		ug/kg	500	230
2-Butanone	ND		ug/kg	500	110
4-Methyl-2-pentanone	ND		ug/kg	500	64.
2-Hexanone	ND		ug/kg	500	59.
Bromochloromethane	ND		ug/kg	100	10.
1,2-Dibromoethane	ND		ug/kg	50	14.
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	50.
Isopropylbenzene	ND		ug/kg	50	5.4
1,2,3-Trichlorobenzene	ND		ug/kg	100	16.
1,2,4-Trichlorobenzene	ND		ug/kg	100	14.
Methyl Acetate	ND		ug/kg	200	48.
Cyclohexane	ND		ug/kg	500	27.
1,4-Dioxane	ND		ug/kg	4000	1800
Freon-113	ND		ug/kg	200	35.
Methyl cyclohexane	ND		ug/kg	200	30.

Tentatively Identified Compounds

Total TIC Compounds	539	J	ug/kg
Unknown	199	J	ug/kg

Project Name: WOLLENSACK OPTICAL **Lab Number:** L2014553

Project Number: 2182207.13 **Report Date:** 04/06/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/06/20 06:53
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06 Batch: WG1358536-5					
Tentatively Identified Compounds					
Unknown	132	J	ug/kg		
Cyclotrisiloxane, Hexamethyl-	208	NJ	ug/kg		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	114		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: WOLLENSACK OPTICAL
Project Number: 2182207.13
Lab Number: L2014553
Report Date: 04/06/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 04-05 Batch: WG1358450-3 WG1358450-4								
Methylene chloride	98		99		70-130	1		30
1,1-Dichloroethane	126		130		70-130	3		30
Chloroform	113		118		70-130	4		30
Carbon tetrachloride	121		127		70-130	5		30
1,2-Dichloropropane	121		**136**	Q	70-130	12		30
Dibromochloromethane	98		77		70-130	24		30
1,1,2-Trichloroethane	106		81		70-130	27		30
Tetrachloroethene	100		80		70-130	22		30
Chlorobenzene	94		99		70-130	5		30
Trichlorofluoromethane	120		124		70-139	3		30
1,2-Dichloroethane	120		126		70-130	5		30
1,1,1-Trichloroethane	111		115		70-130	4		30
Bromodichloromethane	107		**134**	Q	70-130	22		30
trans-1,3-Dichloropropene	115		89		70-130	25		30
cis-1,3-Dichloropropene	111		119		70-130	7		30
Bromoform	90		90		70-130	0		30
1,1,2,2-Tetrachloroethane	111		87		70-130	24		30
Benzene	109		112		70-130	3		30
Toluene	99		83		70-130	18		30
Ethylbenzene	101		103		70-130	2		30
Chloromethane	128		**132**	Q	52-130	3		30
Bromomethane	141		139		57-147	1		30
Vinyl chloride	**134**	Q	**139**	Q	67-130	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: WOLLENSACK OPTICAL
Project Number: 2182207.13

Lab Number: L2014553
Report Date: 04/06/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 04-05 Batch: WG1358450-3 WG1358450-4								
Chloroethane	125		133		50-151	6		30
1,1-Dichloroethene	114		112		65-135	2		30
trans-1,2-Dichloroethene	114		115		70-130	1		30
Trichloroethene	106		112		70-130	6		30
1,2-Dichlorobenzene	91		100		70-130	9		30
1,3-Dichlorobenzene	96		99		70-130	3		30
1,4-Dichlorobenzene	92		99		70-130	7		30
Methyl tert butyl ether	109		114		66-130	4		30
p/m-Xylene	98		88		70-130	11		30
o-Xylene	96		79		70-130	19		30
cis-1,2-Dichloroethene	110		113		70-130	3		30
Styrene	96		80		70-130	18		30
Dichlorodifluoromethane	56		58		30-146	4		30
Acetone	121		108		54-140	11		30
Carbon disulfide	100		98		59-130	2		30
2-Butanone	109		109		70-130	0		30
4-Methyl-2-pentanone	118		94		70-130	23		30
2-Hexanone	97		83		70-130	16		30
Bromochloromethane	104		108		70-130	4		30
1,2-Dibromoethane	99		88		70-130	12		30
1,2-Dibromo-3-chloropropane	88		100		68-130	13		30
Isopropylbenzene	100		97		70-130	3		30
1,2,3-Trichlorobenzene	99		98		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: WOLLENSACK OPTICAL

Project Number: 2182207.13

Lab Number: L2014553

Report Date: 04/06/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 04-05 Batch: WG1358450-3 WG1358450-4								
1,2,4-Trichlorobenzene	106		102		70-130	4		30
Methyl Acetate	116		117		51-146	1		30
Cyclohexane	127		130		59-142	2		30
1,4-Dioxane	111		**139**	Q	65-136	22		30
Freon-113	115		114		50-139	1		30
Methyl cyclohexane	108		113		70-130	5		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	108		109		70-130
Toluene-d8	96		76		70-130
4-Bromofluorobenzene	121		98		70-130
Dibromofluoromethane	101		102		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: WOLLENSACK OPTICAL
Project Number: 2182207.13
Lab Number: L2014553
Report Date: 04/06/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 06 Batch: WG1358451-3 WG1358451-4								
Methylene chloride	98		99		70-130	1		30
1,1-Dichloroethane	126		130		70-130	3		30
Chloroform	113		118		70-130	4		30
Carbon tetrachloride	121		127		70-130	5		30
1,2-Dichloropropane	121		**136**	Q	70-130	12		30
Dibromochloromethane	98		77		70-130	24		30
1,1,2-Trichloroethane	106		81		70-130	27		30
Tetrachloroethene	100		80		70-130	22		30
Chlorobenzene	94		99		70-130	5		30
Trichlorofluoromethane	120		124		70-139	3		30
1,2-Dichloroethane	120		126		70-130	5		30
1,1,1-Trichloroethane	111		115		70-130	4		30
Bromodichloromethane	107		**134**	Q	70-130	22		30
trans-1,3-Dichloropropene	115		89		70-130	25		30
cis-1,3-Dichloropropene	111		119		70-130	7		30
Bromoform	90		90		70-130	0		30
1,1,2,2-Tetrachloroethane	111		87		70-130	24		30
Benzene	109		112		70-130	3		30
Toluene	99		83		70-130	18		30
Ethylbenzene	101		103		70-130	2		30
Chloromethane	128		**132**	Q	52-130	3		30
Bromomethane	141		139		57-147	1		30
Vinyl chloride	**134**	Q	**139**	Q	67-130	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: WOLLENSACK OPTICAL
Project Number: 2182207.13
Lab Number: L2014553
Report Date: 04/06/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 06 Batch: WG1358451-3 WG1358451-4								
Chloroethane	125		133		50-151	6		30
1,1-Dichloroethene	114		112		65-135	2		30
trans-1,2-Dichloroethene	114		115		70-130	1		30
Trichloroethene	106		112		70-130	6		30
1,2-Dichlorobenzene	91		100		70-130	9		30
1,3-Dichlorobenzene	96		99		70-130	3		30
1,4-Dichlorobenzene	92		99		70-130	7		30
Methyl tert butyl ether	109		114		66-130	4		30
p/m-Xylene	98		88		70-130	11		30
o-Xylene	96		79		70-130	19		30
cis-1,2-Dichloroethene	110		113		70-130	3		30
Styrene	96		80		70-130	18		30
Dichlorodifluoromethane	56		58		30-146	4		30
Acetone	121		108		54-140	11		30
Carbon disulfide	100		98		59-130	2		30
2-Butanone	109		109		70-130	0		30
4-Methyl-2-pentanone	118		94		70-130	23		30
2-Hexanone	97		83		70-130	16		30
Bromochloromethane	104		108		70-130	4		30
1,2-Dibromoethane	99		88		70-130	12		30
1,2-Dibromo-3-chloropropane	88		100		68-130	13		30
Isopropylbenzene	100		97		70-130	3		30
1,2,3-Trichlorobenzene	99		98		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: WOLLENSACK OPTICAL

Project Number: 2182207.13

Lab Number: L2014553

Report Date: 04/06/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 06 Batch: WG1358451-3 WG1358451-4								
1,2,4-Trichlorobenzene	106		102		70-130	4		30
Methyl Acetate	116		117		51-146	1		30
Cyclohexane	127		130		59-142	2		30
1,4-Dioxane	111		**139**	Q	65-136	22		30
Freon-113	115		114		50-139	1		30
Methyl cyclohexane	108		113		70-130	5		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	108		109		70-130
Toluene-d8	96		76		70-130
4-Bromofluorobenzene	121		98		70-130
Dibromofluoromethane	101		102		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: WOLLENSACK OPTICAL
Project Number: 2182207.13
Lab Number: L2014553
Report Date: 04/06/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06 Batch: WG1358536-3 WG1358536-4								
Methylene chloride	112		102		70-130	9		30
1,1-Dichloroethane	114		100		70-130	13		30
Chloroform	103		92		70-130	11		30
Carbon tetrachloride	94		85		70-130	10		30
1,2-Dichloropropane	108		98		70-130	10		30
Dibromochloromethane	81		77		70-130	5		30
1,1,2-Trichloroethane	83		82		70-130	1		30
Tetrachloroethene	100		89		70-130	12		30
Chlorobenzene	100		89		70-130	12		30
Trichlorofluoromethane	100		84		70-139	17		30
1,2-Dichloroethane	106		97		70-130	9		30
1,1,1-Trichloroethane	98		87		70-130	12		30
Bromodichloromethane	89		83		70-130	7		30
trans-1,3-Dichloropropene	87		81		70-130	7		30
cis-1,3-Dichloropropene	91		85		70-130	7		30
Bromoform	77		73		70-130	5		30
1,1,2,2-Tetrachloroethane	76		73		70-130	4		30
Benzene	97		86		70-130	12		30
Toluene	97		86		70-130	12		30
Ethylbenzene	101		88		70-130	14		30
Chloromethane	**135**	Q	116		52-130	15		30
Bromomethane	90		76		57-147	17		30
Vinyl chloride	100		85		67-130	16		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: WOLLENSACK OPTICAL
Project Number: 2182207.13
Lab Number: L2014553
Report Date: 04/06/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06 Batch: WG1358536-3 WG1358536-4								
Chloroethane	109		95		50-151	14		30
1,1-Dichloroethene	102		89		65-135	14		30
trans-1,2-Dichloroethene	102		88		70-130	15		30
Trichloroethene	94		84		70-130	11		30
1,2-Dichlorobenzene	105		90		70-130	15		30
1,3-Dichlorobenzene	102		91		70-130	11		30
1,4-Dichlorobenzene	104		90		70-130	14		30
Methyl tert butyl ether	82		81		66-130	1		30
p/m-Xylene	98		85		70-130	14		30
o-Xylene	99		87		70-130	13		30
cis-1,2-Dichloroethene	104		92		70-130	12		30
Styrene	102		91		70-130	11		30
Dichlorodifluoromethane	53		46		30-146	14		30
Acetone	91		86		54-140	6		30
Carbon disulfide	89		76		59-130	16		30
2-Butanone	78		83		70-130	6		30
4-Methyl-2-pentanone	82		88		70-130	7		30
2-Hexanone	**68**	Q	72		70-130	6		30
Bromochloromethane	106		96		70-130	10		30
1,2-Dibromoethane	88		84		70-130	5		30
1,2-Dibromo-3-chloropropane	70		**66**	Q	68-130	6		30
Isopropylbenzene	98		84		70-130	15		30
1,2,3-Trichlorobenzene	112		100		70-130	11		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: WOLLENSACK OPTICAL

Project Number: 2182207.13

Lab Number: L2014553

Report Date: 04/06/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06 Batch: WG1358536-3 WG1358536-4								
1,2,4-Trichlorobenzene	115		100		70-130	14		30
Methyl Acetate	76		80		51-146	5		30
Cyclohexane	108		97		59-142	11		30
1,4-Dioxane	84		88		65-136	5		30
Freon-113	100		89		50-139	12		30
Methyl cyclohexane	97		87		70-130	11		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	98		100		70-130
Toluene-d8	96		96		70-130
4-Bromofluorobenzene	97		91		70-130
Dibromofluoromethane	105		102		70-130

Matrix Spike Analysis

Batch Quality Control

Project Name: WOLLENSACK OPTICAL

Project Number: 2182207.13

Lab Number: L2014553

Report Date: 04/06/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 04-05 QC Batch ID: WG1358450-6 WG1358450-7 QC Sample: L2014553-04 Client ID: IWTRENCHREUSE-01-G-20200403												
Methylene chloride	ND	6500	8500	130		6100	94		70-130	**32**	Q	30
1,1-Dichloroethane	ND	6500	10000	**154**	Q	9100	**140**	Q	70-130	10		30
Chloroform	12J	6500	8400	130		8000	123		70-130	5		30
Carbon tetrachloride	ND	6500	9100	**140**	Q	9000	**138**	Q	70-130	2		30
1,2-Dichloropropane	ND	6500	9200	**142**	Q	8900	**136**	Q	70-130	4		30
Dibromochloromethane	ND	6500	6100	94		5900	91		70-130	4		30
1,1,2-Trichloroethane	ND	6500	6500	100		6300	97		70-130	3		30
Tetrachloroethene	ND	6500	5300	81		5100	79		70-130	3		30
Chlorobenzene	ND	6500	5200	81		5200	79		70-130	2		30
Trichlorofluoromethane	ND	6500	7100	109		6600	102		70-139	6		30
1,2-Dichloroethane	ND	6500	9000	**138**	Q	9000	**138**	Q	70-130	0		30
1,1,1-Trichloroethane	ND	6500	8300	127		8100	125		70-130	1		30
Bromodichloromethane	ND	6500	7900	122		7700	119		70-130	2		30
trans-1,3-Dichloropropene	ND	6500	6700	103		6500	100		70-130	3		30
cis-1,3-Dichloropropene	ND	6500	7600	117		7600	117		70-130	0		30
Bromoform	ND	6500	6300	96		5600	86		70-130	12		30
1,1,2,2-Tetrachloroethane	ND	6500	4900	75		4900	76		70-130	1		30
Benzene	ND	6500	7900	121		7500	115		70-130	5		30
Toluene	ND	6500	5800	90		5700	87		70-130	3		30
Ethylbenzene	ND	6500	5100	78		6000	93		70-130	18		30
Chloromethane	ND	6500	11000	**166**	Q	10000	**160**	Q	52-130	4		30
Bromomethane	ND	6500	9800	**151**	Q	9400	144		57-147	5		30
Vinyl chloride	ND	6500	11000	**175**	Q	11000	**169**	Q	67-130	4		30

Matrix Spike Analysis
Batch Quality Control

Project Name: WOLLENSACK OPTICAL
Project Number: 2182207.13
Lab Number: L2014553
Report Date: 04/06/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 04-05 QC Batch ID: WG1358450-6 WG1358450-7 QC Sample: L2014553-04 Client ID: IWTRENCHREUSE-01-G-20200403												
Chloroethane	ND	6500	5400	83		5000	76		50-151	8		30
1,1-Dichloroethene	ND	6500	8800	**136**	Q	8200	126		65-135	8		30
trans-1,2-Dichloroethene	ND	6500	8600	**132**	Q	7900	121		70-130	9		30
Trichloroethene	2500	6500	10000	118		9600	109		70-130	6		30
1,2-Dichlorobenzene	ND	6500	4000	**62**	Q	4100	**63**	Q	70-130	1		30
1,3-Dichlorobenzene	ND	6500	4400	**68**	Q	4000	**61**	Q	70-130	11		30
1,4-Dichlorobenzene	ND	6500	3800	**59**	Q	3700	**57**	Q	70-130	3		30
Methyl tert butyl ether	ND	6500	8800	**135**	Q	8000	124		66-130	9		30
p/m-Xylene	ND	13000	9300	71		9900	76		70-130	6		30
o-Xylene	ND	13000	9400	72		9100	70		70-130	4		30
cis-1,2-Dichloroethene	ND	6500	8400	130		7700	119		70-130	9		30
Styrene	ND	13000	9900	76		9100	70		70-130	8		30
Dichlorodifluoromethane	ND	6500	5800	89		5400	82		30-146	8		30
Acetone	ND	6500	11000	**168**	Q	9800	**151**	Q	54-140	10		30
Carbon disulfide	ND	6500	7600	117		7000	107		59-130	9		30
2-Butanone	ND	6500	9600	**148**	Q	9300	**143**	Q	70-130	3		30
4-Methyl-2-pentanone	ND	6500	7800	120		7600	117		70-130	3		30
2-Hexanone	ND	6500	7500	116		8800	**135**	Q	70-130	15		30
Bromochloromethane	ND	6500	8000	122		7500	115		70-130	6		30
1,2-Dibromoethane	ND	6500	6700	102		6500	99		70-130	3		30
1,2-Dibromo-3-chloropropane	ND	6500	6000	92		5700	88		68-130	4		30
Isopropylbenzene	ND	6500	4400	**67**	Q	4100	**64**	Q	70-130	6		30
1,2,3-Trichlorobenzene	ND	6500	4200	**65**	Q	4000	**61**	Q	70-130	6		30

Matrix Spike Analysis

Batch Quality Control

Project Name: WOLLENSACK OPTICAL

Project Number: 2182207.13

Lab Number: L2014553

Report Date: 04/06/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 04-05 QC Batch ID: WG1358450-6 WG1358450-7 QC Sample: L2014553-04 Client ID: IWTRENCHREUSE-01-G-20200403												
1,2,4-Trichlorobenzene	ND	6500	3900	**60**	Q	3700	**57**	Q	70-130	6		30
Methyl Acetate	ND	6500	13000	**200**	Q	11000	**172**	Q	51-146	15		30
Cyclohexane	ND	6500	9900	**153**	Q	9100	141		59-142	8		30
1,4-Dioxane	ND	320000	440000	**138**	Q	470000	**148**	Q	65-136	7		30
Freon-113	ND	6500	9000	138		8400	130		50-139	6		30
Methyl cyclohexane	ND	6500	8000	123		7700	119		70-130	4		30

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		108		70-130
4-Bromofluorobenzene	95		91		70-130
Dibromofluoromethane	102		101		70-130
Toluene-d8	91		89		70-130

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
EPA TO-12 Non-methane organics
EPA 3C Fixed gases
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page \ of

Date Rec'd in Lab: 4/4/20

ALPHA Job #: L2014553

Client Information
Client: LaBella
Address: 300 State St. Rochester, NY
Phone: 585 454 6110
Fax: AckS.nz@LaBellaPC.com
Email: MPolychuk@LaBellaPC.com

Project Information
Project Name: Wollensack
Project Location: 856 Hudson Ave Rochester NY
Project #: 2182207.13
(Use Project name as Project #)
Project Manager: Mike Polychuk
ALPHAQuote #:

Turn-Around Time
Standard
Rush (only if pre approved)
Due Date:
of Days: 1 day

These samples have been previously analyzed by Alpha

Other project specific requirements/comments:

Please specify Metals or TAL.

Deliverables
~~ASP-A~~ Add
ASP-B
EQuIS (1 File)
EQuIS (4 File)
Other

Regulatory Requirement
NY TOGS
NY Part 375
AWQ Standards
NY CP-51
NY Restricted Use
Other
NY Unrestricted Use
NYC Sewer Discharge

Billing Information
Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
NJ
NY
Other:

ANALYSIS

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	1,4 Dioxane	TCL VOC+TICs	TCL SVOC+TICs	PCB	Pesticides	CYanide	TAL Metals		Sample Specific Comments	Total Bottle
14553 -01	IW Trench Reuse-01-C-20200403	4/3/20	1200	Soil	AD	+		X	7	7	4	7		MS/MSD	3
-02	IW Trench Reuse-02-C-20200403	4/3/20	1430	Soil	AD	+		X	7	7	4	7			
-03	DUPE-C-20200403	"	1230	Soil	AD	+		X	7	7	4	7			
-04	IW Trench Reuse-01-G-20200403	"	1300	"	AD		X							MS/MSD No+Frozen	12
-05	DUPE-G-20200403	"	1400	"	AD		X								4
-06	IW Trench Reuse-02-G-20200403	"	1500	"	AD		X								4

Sample Filtration
Done
Lab to do
Preservation
Lab to do
(Please Specify below)

Container Type
Preservative

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
	4/3/20 1618		4/3/20 1618
	4/3/20 1618		4/4/20 00:50

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

PARADIGM

ENVIRONMENTAL SERVICES, INC

Analytical Report For

LaBella Associates, P.C.

For Lab Project ID

201494

Referencing

2182207.13

Prepared

Friday, April 10, 2020

Any noncompliant QC parameters or other notes impacting data interpretation are flagged or documented on the final report or are noted below.

Certifies that this report has been approved by the Technical Director or Designee

179 Lake Avenue • Rochester, NY 14608 • (585) 647-2530 • Fax (585) 647-3311 • ELAP ID# 10958

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 201494

Client: LaBella Associates, P.C.

Project Reference: 2182207.13

Sample Identifier:	WC-IWTrench-01-C-20200408		
Lab Sample ID:	201494-01	**Date Sampled:**	4/8/2020
Matrix:	Soil	**Date Received:**	4/8/2020

Flash Point

Analyte	Result	Units	Qualifier	Date Analyzed
Flash Point, Celsius	>70.0	C		4/9/2020

Method Reference(s): EPA 1010A

pH

Analyte	Result	Units	Qualifier	Date Analyzed
pH	8.66 @ 23.3C	S.U.		4/9/2020 12:17

Method Reference(s): EPA 9045D

Reactive Cyanide

Analyte	Result	Units	Qualifier	Date Analyzed
Reactivity, Cyanide	<100	mg/Kg		4/9/2020

Method Reference(s): EPA 7.3.3.2
Subcontractor ELAP ID: 11148
ELAP does not offer this test for approval as part of their laboratory certification program.

Reactive Sulfide

Analyte	Result	Units	Qualifier	Date Analyzed
Reactivity, Sulfide	<100	mg/Kg		4/9/2020

Method Reference(s): EPA 7.3.4.2
Subcontractor ELAP ID: 11148
ELAP does not offer this test for approval as part of their laboratory certification program.

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 201494

Client: LaBella Associates, P.C.

Project Reference: 2182207.13

Sample Identifier:	WC-IWTrench-01-C-20200408		
Lab Sample ID:	201494-01A	**Date Sampled:**	4/8/2020
Matrix:	TCLP Extract	**Date Received:**	4/8/2020

TCLP Semi-Volatile Organics

Analyte	Result	Units	Regulatory Limit	Qualifier	Date Analyzed
1,4-Dichlorobenzene	< 40.0	ug/L	7500		4/9/2020 14:36
2,4,5-Trichlorophenol	< 40.0	ug/L	400000		4/9/2020 14:36
2,4,6-Trichlorophenol	< 40.0	ug/L	2000		4/9/2020 14:36
2,4-Dinitrotoluene	< 40.0	ug/L	130		4/9/2020 14:36
Cresols (as m,p,o-Cresol)	< 80.0	ug/L	200000		4/9/2020 14:36
Hexachlorobenzene	< 40.0	ug/L	130		4/9/2020 14:36
Hexachlorobutadiene	< 40.0	ug/L	500		4/9/2020 14:36
Hexachloroethane	< 40.0	ug/L	3000		4/9/2020 14:36
Nitrobenzene	< 40.0	ug/L	2000		4/9/2020 14:36
Pentachlorophenol	< 80.0	ug/L	100000		4/9/2020 14:36
Pyridine	< 40.0	ug/L	5000		4/9/2020 14:36

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
2,4,6-Tribromophenol	**74.6**	61.4 - 115		4/9/2020 14:36
2-Fluorobiphenyl	**67.7**	38.4 - 101		4/9/2020 14:36
2-Fluorophenol	**64.2**	12.7 - 105		4/9/2020 14:36
Nitrobenzene-d5	**65.5**	57.3 - 100		4/9/2020 14:36
Phenol-d5	**61.9**	10 - 107		4/9/2020 14:36
Terphenyl-d14	**70.2**	58.1 - 117		4/9/2020 14:36

Method Reference(s): EPA 8270D
EPA 1311 / 3510C
Preparation Date: 4/9/2020
Data File: B45663.D

TCLP Mercury

Analyte	Result	Units	Regulatory Limit	Qualifier	Date Analyzed
Mercury	< 0.00200	mg/L	0.2		4/10/2020 10:23

Method Reference(s): EPA 7470A
EPA 1311
Preparation Date: 4/9/2020
Data File: Hg200410A

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 201494

Client: LaBella Associates, P.C.

Project Reference: 2182207.13

Sample Identifier:	WC-IWTrench-01-C-20200408		
Lab Sample ID:	201494-01A	**Date Sampled:**	4/8/2020
Matrix:	TCLP Extract	**Date Received:**	4/8/2020

TCLP RCRA Metals (ICP)

Analyte	Result	Units	Regulatory Limit	Qualifier	Date Analyzed
Arsenic	< 0.500	mg/L	5		4/9/2020 16:10
Barium	**0.766**	mg/L	100		4/9/2020 16:10
Cadmium	< 0.0250	mg/L	1		4/9/2020 16:10
Chromium	< 0.500	mg/L	5		4/9/2020 16:10
Lead	< 0.500	mg/L	5		4/9/2020 16:10
Selenium	< 0.200	mg/L	1		4/9/2020 16:10
Silver	< 0.500	mg/L	5		4/9/2020 16:10

Method Reference(s): EPA 6010C
EPA 1311 / 3005A
Preparation Date: 4/9/2020
Data File: 200409B

TCLP Volatile Organics

Analyte	Result	Units	Regulatory Limit	Qualifier	Date Analyzed
1,1-Dichloroethene	< 20.0	ug/L	700		4/9/2020 11:59
1,2-Dichloroethane	< 20.0	ug/L	500		4/9/2020 11:59
2-Butanone	< 100	ug/L	200000		4/9/2020 11:59
Benzene	< 20.0	ug/L	500		4/9/2020 11:59
Carbon Tetrachloride	< 20.0	ug/L	500		4/9/2020 11:59
Chlorobenzene	< 20.0	ug/L	100000		4/9/2020 11:59
Chloroform	< 20.0	ug/L	6000		4/9/2020 11:59
Tetrachloroethene	< 20.0	ug/L	700		4/9/2020 11:59
Trichloroethene	< 20.0	ug/L	500		4/9/2020 11:59
Vinyl chloride	< 20.0	ug/L	200		4/9/2020 11:59

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 201494

Client: LaBella Associates, P.C.

Project Reference: 2182207.13

Sample Identifier:	WC-IWTrench-01-C-20200408		
Lab Sample ID:	201494-01A	**Date Sampled:**	4/8/2020
Matrix:	TCLP Extract	**Date Received:**	4/8/2020

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
1,2-Dichloroethane-d4	**140**	80.8 - 132	*	4/9/2020	11:59
4-Bromofluorobenzene	**94.3**	56.6 - 130		4/9/2020	11:59
Pentafluorobenzene	**105**	87.4 - 113		4/9/2020	11:59
Toluene-D8	**98.9**	82.2 - 115		4/9/2020	11:59

Method Reference(s): EPA 8260C
EPA 1311 / 5030C

Data File: x69617.D

Analytical Report Appendix

The reported results relate only to the samples as they have been received by the laboratory.

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All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

Low level Volatiles blank reports for soil/solid matrix are based on a nominal 5 gram weight. Sample results and reporting limits are based on actual weight, which may be more or less than 5 grams.

The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified. Aliquots separated for certain tests, such as TCLP, are indicated on the Chain of Custody and final reports with an "A" suffix.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of analyte-specific, frequently used data flags and their meaning:

"<" = Analyzed for but not detected at or above the quantitation limit.
"E" = Result has been estimated, calibration limit exceeded.
"Z" = See case narrative.
"D" = Sample, Laboratory Control Sample, or Matrix Spike Duplicate results above Relative Percent Difference limit.
"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.
"B" = Method blank contained trace levels of analyte. Refer to included method blank report.
"J" = Result estimated between the quantitation limit and half the quantitation limit.
"L" = Laboratory Control Sample recovery outside accepted QC limits.
"P" = Concentration differs by more than 40% between the primary and secondary analytical columns.
"NC" = Not calculable. Applicable to RPD if sample or duplicate result is non-detect or estimated (see primary report for data flags). Applicable to MS if sample is greater or equal to ten times the spike added. Applicable to sample surrogates or MS if sample dilution is 10x or higher.
"" = Indicates any recoveries outside associated acceptance windows. Surrogate outliers in samples are presumed matrix effects. LCS demonstrates method compliance unless otherwise noted.*
"(1)" = Indicates data from primary column used for QC calculation.
"A" = denotes a parameter for which ELAP does not offer approval as part of their laboratory certification program.
"F" = denotes a parameter for which Paradigm does not carry certification, the results for which should therefore only be used where ELAP certification is not required, such as personal exposure assessment.

GENERAL TERMS AND CONDITIONS
LABORATORY SERVICES

These Terms and Conditions embody the whole agreement of the parties in the absence of a signed and executed contract between the Laboratory (LAB) and Client. They shall supersede all previous communications, representations, or agreements, either verbal or written, between the parties. The LAB specifically rejects all additional, inconsistent, or conflicting terms, whether printed or otherwise set forth in any purchase order or other communication from the Client to the LAB. The invalidity or unenforceability in whole or in part of any provision, tern or condition hereof shall not affect in any way the validity or enforceability of the remainder of the Terms and Conditions. No waiver by LAB of any provision, term, or condition hereof or of any breach by or obligation of the Client hereunder shall constitute a waiver of such provision, term, or condition on any other occasion or a waiver of any other breach by or obligation of the Client. This agreement shall be administered and interpreted under the laws of the state which services are procured.

Warranty. Recognizing that the nature of many samples is unknown and that some may contain potentially hazardous components, LAB warrants only that it will perform testing services, obtain findings, and prepare reports in accordance with generally accepted analytical laboratory principles and practices at the time of performance of services. LAB makes no other warranty, express or implied.

Scope and Compensation. LAB agrees to perform the services described in the chain of custody to which these terms and conditions are attached. Unless the parties agree in writing to the contrary, the duties of LAB shall not be construed to exceed the services specifically described. LAB wi use LAB default method for all tests unless specified otherwise on the Work Order.
Payment terms are net 30 days from the date of invoice. All overdue payments are subject to an interest charge of one and one-half percent (1-1/2%) per month or a portion thereof. Client shall also be responsible for costs of collection, including payment of reasonable attorney fees if such expense is incurred. The prices, unless stated, do not include any sale, use or other taxes. Such taxes will be added to invoice prices when required.

Prices. Compensation for services performed will be based on the current Lab Analytical Fee Schedule or on quotations agreed to in writing by the parties. Turnaround time based charges are determined from the time of resolution of all work order questions. Testimony, court appearances or data compilation for legal action will be charged separately. Evaluation and reporting of initial screening runs may incur additional fees.

Limitations of Liability. In the event of any error, omission, or other professional negligence, the sole and exclusive responsibility of LAB shall be to re-perform the deficient work at its own expense and LAB shall have no other liability whatsoever. All claims shall be deemed waived unless made in writing and received by LAB within ninety (90) days following completion of services.
LAB shall have no liability, obligation, or responsibility of any kind for losses, costs, expenses, or other damages (including but not limited to any special, direct, incidental or consequential damages) with respect to LAB's services or results.
All results provided by LAB are strictly for the use of its clients and LAB is in no way responsible for the use of such results by clients or third parties. All reports should be considered in their entirety, and LAB is not responsible for the separation, detachment, or other use of any portion of these reports. Client may not assign the lab report without the written consent of the LAB.
Client covenants and agrees, at its/his/her sole expense, to indemnify, protect, defend, and save harmless the LAB from and against any and all damages, losses, liabilities, obligations, penalties, claims, litigation, demands, defenses, judgments, suits, actions, proceedings, costs, disbursements and/or expenses (including, without limitation attorneys' and experts' fees and disbursements) of any kind whatsoever which may at any time be imposed upon, incurred by or asserted or awarded against client relating to, resulting from or arising out of (a) the breach of this agreement by this client, (b) the negligence of the client in handling, delivering or disclosing any hazardous substance, (c) the violation of the Client of any applicable law, (d) non-compliance by the Client with any environmental permit or (e) a material misrepresentation in disclosing the materials to be tested.

Hazard Disclosure. Client represents and warrants that any sample delivered to LAB will be preceded or accompanied by complete written disclosure of the presence of any hazardous substances known or suspected by Client. Client further warrants that any sample containing any hazardous substance that is to be delivered to LAB will be packaged, labeled, transported, and delivered properly and in accordance with applicable laws.

Sample Handling. Prior to LAB's acceptance of any sample (or after any revocation of acceptance), the entire risk of loss or of damage to such sample remains with Client. Samples are accepted when receipt is acknowledged on chain of custody documentation. In no event will LAB have any responsibility for the action or inaction of any carrier shipping or delivering any sample to or from LAB premises.
Client authorizes LAB to proceed with the analysis of samples as received by the laboratory, recognizing that any samples not in compliance with all current DOH-ELAP-NELAP requirements for containers, preservation or holding time will be noted as such on th final report.
Disposal of hazardous waste samples is the responsibility of the Client. If the Client does not wish such samples returned, LAB may add storage and disposal fees to the final invoice. Maximum storage time for samples is 30 days after completion of analysis unless modified by applicable state or federal laws. Client will be required to give the LAB written instructions concerning disposal of these samples.
LAB reserves the absolute right, exercisable at any time, to refuse to receive delivery of, refuse to accept, or revoke acceptance of any sample, which, in the sole judgment of LAB (a) is of unsuitable volume, (b) may be or become unsuitable for or may pose a risk in handling, transport, or processing for any health, safety, environmental or other reason whether or not due to the presence in the sample of any hazardous substance, and whether or not such presence has been disclosed to LAB by Client or (c) if the condition or sample date make the sample unsuitable for analysis.

Legal Responsibility. LAB is solely responsible for performance of this contract, and no affiliated company, director, officer, employee, or agent shall have any legal responsibility hereunder, whether in contract or tort including negligence.

Assignment. LAB may assign its performance obligations under this contract to other parties, as it deems necessary. LAB shall disclose to Client any assignee (subcontractor) by ELAP ID # on the submitted final report.

Force Majeure. LAB shall have no responsibility or liability to the Client for any failure or delay in performance by LAB, which results in whole or in part from any cause or circumstance beyond the reasonable control of LAB. Such causes and circumstances shall include, but not limited to, acts of God, acts or orders of any government authority, strikes or other labor disputes, natural disasters, accidents, wars, civil disturbances, difficulties or delays in transportation, mail or delivery services, inability to obtain sufficient services or supplies from LAB's usual suppliers, or any other cause beyond LAB's reasonable control.

Law. This contract shall be continued under the laws of the State of New York without regard to its conflicts of laws provision.

179 Lake Avenue, Rochester, NY 14608 Office (585) 647-2530 Fax (585) 647-3311

1 of 2

CHAIN OF CUSTODY

201494

PARADIGM ENVIRONMENTAL SERVICES, INC.

REPORT TO:		INVOICE TO:		
CLIENT: LaBella		CLIENT:		LAB PROJECT ID: 21822207.13
ADDRESS: 300 State St.		ADDRESS:		
CITY: Rochester	STATE: NY ZIP	CITY:	STATE: ZIP:	Quotation #:
PHONE: 585-454-6110		PHONE:		Email: Mpelychaty@Labellapc.com Adasilva@Labellapc.com
ATTN: Mike Pelychaty		ATTN:		

PROJECT REFERENCE

21822207.13

Matrix Codes:

AQ - Aqueous Liquid; **NQ** - Non-Aqueous Liquid; **WA** - Water; **WG** - Groundwater; **DW** - Drinking Water; **WW** - Wastewater; **SO** - Soil; **SL** - Sludge; **SD** - Solid; **PT** - Paint; **WP** - Wipe; **CK** - Caulk; **OL** - Oil; **AR** - Air

REQUESTED ANALYSIS

DATE COLLECTED	TIME COLLECTED	COMPOSITE	GRAB	SAMPLE IDENTIFIER	MATRIX CODES	NUMBER OF CONTAINERS	TCLP VOC	TCLP SVOC	TCLP Metal	pH	Flashpoint	Reactive Cyanide & Sulfide					REMARKS	PARADIGM LAB SAMPLE NUMBER
4/8/2020	1130	X		WC-IWTrench-01-C-20200408	SO	8	X	X	X	X	X	X					A for TCLP extract. GP 4/8/2020	01A

Turnaround Time		Report Supplements			
Availability contingent upon lab approval; additional fees may apply.					
Standard 5 day	☐	None Required	☒	None Required	☐
10 day	☐	Batch QC	☐	Basic EDD	☒
Rush 3 day	☐	Category A	☐	NYSDEC EDD	☐
Rush 2 day per EF GP 4/8/2020	☒	Category B	☐		
Rush 1 day	☒				
Date Needed _____ please indicate date needed:		Other please indicate package needed:	☐	Other EDD please indicate EDD needed:	☐

Alexander daSilva — Sampled By — 4/8/20 / 1130 — Date/Time

Alexander J daSilva — Relinquished By — 4/8/20 / 1200 — Date/Time

[signature] — Received By — 4/8/2020 1200 — Date/Time

[signature] — Received @ Lab By — 4/8/2020 12:03 — Date/Time

10°C 4/8/2020 12:02

Total Cost:

P.I.F.

By signing this form, client agrees to Paradigm Terms and Conditions (reverse).

See additional page for sample conditions.

PARADIGM

Chain of Custody Supplement

Client: LaBella Associates **Completed by:** Glenn Pezzulo

Lab Project ID: 201494 **Date:** 4/8/2020

Sample Condition Requirements

Per NELAC/ELAP 210/241/242/243/244

Condition	*NELAC compliance with the sample condition requirements upon receipt* Yes	No	N/A
Container Type	X		
Comments			
Transferred to method-compliant container			X
Headspace (<1 mL)	X TCLP VOA		X
Comments			
Preservation			X
Comments			
Chlorine Absent (<0.10 ppm per test strip)			X
Comments			
Holding Time	X		
Comments			
Temperature		X	X Metals
Comments	10°C		
Compliant Sample Quantity/Type	X		
Comments			

179 Lake Avenue, Rochester, NY 14608 Office (585) 647-2530 Fax (585) 647-3311

1 of 1

L2015087

11148

CHAIN OF CUSTODY

REPORT TO:		INVOICE TO:			
COMPANY:	Paradigm Environmental	COMPANY:	Same	LAB PROJECT #:	CLIENT PROJECT #:
ADDRESS:	179 Lake Avenue	ADDRESS:			
CITY:	Rochester STATE: NY ZIP: 14608	CITY:	STATE: ZIP:	TURNAROUND TIME: (WORKING DAYS)	
PHONE:	FAX:	PHONE:	FAX:	Rush	STD / OTHER
PROJECT NAME/SITE NAME:		ATTN:	Reporting	ATTN:	Accounts Payable
		COMMENTS:	Please email results to reporting@paradigmenv.com	1 2 3 5	
				Date Due: 4/10/2020 3PM	

REQUESTED ANALYSIS

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER OF CONTAINERS	Reactivity	REMARKS	PARADIGM LAB SAMPLE NUMBER
1	4/8/2020	11:30	X		201494-01	So:l	1	X		
2										
3										
4										
5										
6										
7										
8										
9										
10										

LAB USE ONLY BELOW THIS LINE

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter	NELAC Compliance	
Container Type:	Y ☐	N ☐
Comments:		
Preservation:	Y ☐	N ☐
Comments:		
Holding Time:	Y ☐	N ☐
Comments:		
Temperature: Temp 2.7°C SRC	Y ☐	N ☐
Comments:		

Client

Sampled By: 2 P 2 — Date/Time: 4/8/2020 16:00

Relinquished By: AAL Ch. Field — Date/Time: 04/09/2020 16:39

Received By: — Date/Time:

Received @ Lab By: — Date/Time: 4/9/20 08:10

Total Cost:

P.I.F.

4/10/2020

Treatment Well and Monitoring Well Purge Water

Disposal Documentation

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: N/A
2. Page 1 of: 1
3. Emergency Response Phone: 800-659-0556
4. Waste Tracking Number: 4753

GENERATOR

5. Generator's Name and Mailing Address
Jefferson Wollensack LLC
312 State St.
Rochester NY 14608
Generator's Phone:

Generator's Site Address (if different than mailing address)
872 Hudson Ave.
Rochester, NY. 14621

6. Transporter 1 Company Name: FINGER LAKES ENVIROTECH, LLC
U.S. EPA ID Number: NYR00178632

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address: CANANDAIGUA WWTP
183 Stanley Star St.
Canandaigua NY. 14424
Facility's Phone: 585-396-5065
U.S. EPA ID Number

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	NON RCRA, NON DOT Regulated Liquids. VOC Impacted Water	1	TT	1499	GAL	
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information
C/O LaBella Associates

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.
Generator's/Offeror's Printed/Typed Name
Signature
Month Day Year

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: LAVERNE BROWN
Signature: Laverne Brown
Month Day Year: 4 17 20
Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name: MIKE SPRATLING
Signature
Month Day Year: 4 17 20

169-BLS-C 5 11979 (Rev. 9/09)

DESIGNATED FACILITY TO GENERATOR

CANANDAIGUA WATER RESOURCE RECOVERY FACILITY
SEPTIC AND SLUDGE
HAULING RECEIPT

Date: 4/17/20 Time: _____

Source: Jefferson Wallensack / LaBella Associates
(Company)

272 Hudson Ave Rochester, NY. 14621
(Address)

Hauler: J+R Enviro

Bill of Lading No.: 4753 Truck No.: 105

Signature: James Brown
(Driver)

Gallons Hauled: 1499 Rate: _____

ANALYTICAL REPORT

Lab Number:	L2013565
Client:	LaBella Associates, P.C. 300 State Street Suite 201 Rochester, NY 14614
ATTN:	Mike Pelychaty
Phone:	(585) 295-6253
Project Name:	WOLLENSACK OPTICAL
Project Number:	2182207.13
Report Date:	04/02/20

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: WOLLENSACK OPTICAL
Project Number: 2182207.13

Lab Number: L2013565
Report Date: 04/02/20

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2013565-01	WW-20200326-01-G-1000GTANK	WATER	886 HUDSON AVE., ROCHESTER, NY	03/26/20 14:00	03/26/20
L2013565-02	WW-20200326-02-G-800GTANK	WATER	886 HUDSON AVE., ROCHESTER, NY	03/26/20 14:15	03/26/20
L2013565-03	TRIP BLANK-20200326	WATER	886 HUDSON AVE., ROCHESTER, NY	03/26/20 08:00	03/26/20

Project Name:	WOLLENSACK OPTICAL	**Lab Number:**	L2013565
Project Number:	2182207.13	**Report Date:**	04/02/20

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	WOLLENSACK OPTICAL	**Lab Number:**	L2013565
Project Number:	2182207.13	**Report Date:**	04/02/20

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Sample Receipt

L2013565-02: The sample was received above the appropriate pH for the Total Metals analysis. The laboratory added additional HNO3; however, the pH would not adjust into the proper range.

Volatile Organics by Method 624

L2013565-01 and -02: Due to the matrix of the sample (foam generation during purging/analysis), the laboratory used Anti-Foam solution in the sample and associated QC.

Semivolatile Organics by Method 625

L2013565-01 and -02: The sample has elevated detection limits due to limited sample volume available for analysis.

The WG1356253-3 LCS recovery, associated with L2013565-01 and -02, is above the acceptance criteria for di-n-octylphthalate (137%); however, the associated samples are non-detect to the RL for this target analyte. The results of the original analysis are reported.

PCBs

L2013565-01 and -02: The sample has elevated detection limits due to limited sample volume available for analysis.

L2013565-01: The surrogate recoveries were outside the acceptance criteria for 2,4,5,6-tetrachloro-m-xylene (35%) and decachlorobiphenyl (4%,4%); however, re-extraction achieved similar results: decachlorobiphenyl (19%,19%). The results of both extractions are reported.

Total Metals

Project Name:	WOLLENSACK OPTICAL	**Lab Number:**	L2013565
Project Number:	2182207.13	**Report Date:**	04/02/20

Case Narrative (continued)

L2013565-02: The sample has elevated detection limits for all elements, with the exception of mercury, due to the prep dilution required by the sample matrix.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Melissa Sturgis Melissa Sturgis

Title: Technical Director/Representative Date: 04/02/20

ORGANICS

VOLATILES

Project Name: WOLLENSACK OPTICAL **Lab Number:** L2013565

Project Number: 2182207.13 **Report Date:** 04/02/20

SAMPLE RESULTS

Lab ID: L2013565-01 Date Collected: 03/26/20 14:00
Client ID: WW-20200326-01-G-1000GTANK Date Received: 03/26/20
Sample Location: 886 HUDSON AVE., ROCHESTER, NY Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 128,624.1
Analytical Date: 03/28/20 11:34
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	1.0	0.56	1
1,1-Dichloroethane	ND		ug/l	1.5	0.40	1
Chloroform	0.81	J	ug/l	1.0	0.38	1
Carbon tetrachloride	ND		ug/l	1.0	0.24	1
1,2-Dichloropropane	ND		ug/l	3.5	0.46	1
Dibromochloromethane	ND		ug/l	1.0	0.27	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.34	1
2-Chloroethylvinyl ether	ND		ug/l	10	0.35	1
Tetrachloroethene	1.9		ug/l	1.0	0.26	1
Chlorobenzene	ND		ug/l	3.5	0.30	1
Trichlorofluoromethane	ND		ug/l	5.0	0.28	1
1,2-Dichloroethane	ND		ug/l	1.5	0.47	1
1,1,1-Trichloroethane	ND		ug/l	2.0	0.29	1
Bromodichloromethane	ND		ug/l	1.0	0.28	1
trans-1,3-Dichloropropene	ND		ug/l	1.5	0.31	1
cis-1,3-Dichloropropene	ND		ug/l	1.5	0.34	1
Bromoform	ND		ug/l	1.0	0.22	1
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.20	1
Benzene	ND		ug/l	1.0	0.38	1
Toluene	ND		ug/l	1.0	0.31	1
Ethylbenzene	ND		ug/l	1.0	0.28	1
Chloromethane	ND		ug/l	5.0	1.0	1
Bromomethane	2.0	J	ug/l	5.0	1.2	1
Vinyl chloride	ND		ug/l	1.0	0.38	1
Chloroethane	ND		ug/l	2.0	0.37	1
1,1-Dichloroethene	ND		ug/l	1.0	0.31	1
trans-1,2-Dichloroethene	ND		ug/l	1.5	0.33	1
cis-1,2-Dichloroethene	0.19	J	ug/l	1.0	0.17	1

Project Name: WOLLENSACK OPTICAL **Lab Number:** L2013565

Project Number: 2182207.13 **Report Date:** 04/02/20

SAMPLE RESULTS

Lab ID: L2013565-01 Date Collected: 03/26/20 14:00

Client ID: WW-20200326-01-G-1000GTANK Date Received: 03/26/20

Sample Location: 886 HUDSON AVE., ROCHESTER, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	40		ug/l	1.0	0.33	1
1,2-Dichlorobenzene	ND		ug/l	5.0	0.28	1
1,3-Dichlorobenzene	ND		ug/l	5.0	0.27	1
1,4-Dichlorobenzene	ND		ug/l	5.0	0.29	1
p/m-Xylene	ND		ug/l	2.0	0.30	1
o-xylene	ND		ug/l	1.0	0.34	1
Xylenes, Total	ND		ug/l	1.0	0.30	1
Styrene	ND		ug/l	1.0	0.37	1
Acetone	12		ug/l	10	2.4	1
Carbon disulfide	ND		ug/l	5.0	0.28	1
2-Butanone	ND		ug/l	10	1.0	1
Vinyl acetate	ND		ug/l	10	0.41	1
4-Methyl-2-pentanone	ND		ug/l	10	0.19	1
2-Hexanone	ND		ug/l	10	0.55	1
Acrolein	ND		ug/l	8.0	1.8	1
Acrylonitrile	ND		ug/l	10	0.33	1
Dibromomethane	ND		ug/l	1.0	0.23	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	109		60-140
Fluorobenzene	104		60-140
4-Bromofluorobenzene	98		60-140

Project Name: WOLLENSACK OPTICAL **Lab Number:** L2013565

Project Number: 2182207.13 **Report Date:** 04/02/20

SAMPLE RESULTS

Lab ID: L2013565-02 D
Client ID: WW-20200326-02-G-800GTANK
Sample Location: 886 HUDSON AVE., ROCHESTER, NY

Date Collected: 03/26/20 14:15
Date Received: 03/26/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 128,624.1
Analytical Date: 03/28/20 12:07
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.0	1.1	2
1,1-Dichloroethane	ND		ug/l	3.0	0.79	2
Chloroform	ND		ug/l	2.0	0.76	2
Carbon tetrachloride	ND		ug/l	2.0	0.49	2
1,2-Dichloropropane	ND		ug/l	7.0	0.93	2
Dibromochloromethane	ND		ug/l	2.0	0.54	2
1,1,2-Trichloroethane	ND		ug/l	3.0	0.68	2
2-Chloroethylvinyl ether	ND		ug/l	20	0.69	2
Tetrachloroethene	16		ug/l	2.0	0.52	2
Chlorobenzene	ND		ug/l	7.0	0.61	2
Trichlorofluoromethane	ND		ug/l	10	0.55	2
1,2-Dichloroethane	ND		ug/l	3.0	0.94	2
1,1,1-Trichloroethane	ND		ug/l	4.0	0.57	2
Bromodichloromethane	ND		ug/l	2.0	0.55	2
trans-1,3-Dichloropropene	ND		ug/l	3.0	0.62	2
cis-1,3-Dichloropropene	ND		ug/l	3.0	0.67	2
Bromoform	ND		ug/l	2.0	0.43	2
1,1,2,2-Tetrachloroethane	ND		ug/l	2.0	0.41	2
Benzene	ND		ug/l	2.0	0.77	2
Toluene	ND		ug/l	2.0	0.63	2
Ethylbenzene	ND		ug/l	2.0	0.56	2
Chloromethane	ND		ug/l	10	2.1	2
Bromomethane	2.8	J	ug/l	10	2.4	2
Vinyl chloride	ND		ug/l	2.0	0.75	2
Chloroethane	ND		ug/l	4.0	0.74	2
1,1-Dichloroethene	ND		ug/l	2.0	0.62	2
trans-1,2-Dichloroethene	ND		ug/l	3.0	0.66	2
cis-1,2-Dichloroethene	1.3	J	ug/l	2.0	0.34	2

Project Name: WOLLENSACK OPTICAL **Lab Number:** L2013565

Project Number: 2182207.13 **Report Date:** 04/02/20

SAMPLE RESULTS

Lab ID: L2013565-02 D Date Collected: 03/26/20 14:15

Client ID: WW-20200326-02-G-800GTANK Date Received: 03/26/20

Sample Location: 886 HUDSON AVE., ROCHESTER, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	340		ug/l	2.0	0.67	2
1,2-Dichlorobenzene	ND		ug/l	10	0.55	2
1,3-Dichlorobenzene	ND		ug/l	10	0.55	2
1,4-Dichlorobenzene	ND		ug/l	10	0.57	2
p/m-Xylene	ND		ug/l	4.0	0.61	2
o-xylene	ND		ug/l	2.0	0.68	2
Xylenes, Total	ND		ug/l	2.0	0.61	2
Styrene	ND		ug/l	2.0	0.74	2
Acetone	12	J	ug/l	20	4.7	2
Carbon disulfide	ND		ug/l	10	0.57	2
2-Butanone	ND		ug/l	20	2.1	2
Vinyl acetate	ND		ug/l	20	0.82	2
4-Methyl-2-pentanone	ND		ug/l	20	0.38	2
2-Hexanone	ND		ug/l	20	1.1	2
Acrolein	ND		ug/l	16	3.6	2
Acrylonitrile	ND		ug/l	20	0.67	2
Dibromomethane	ND		ug/l	2.0	0.45	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	108		60-140
Fluorobenzene	106		60-140
4-Bromofluorobenzene	104		60-140

Project Name: WOLLENSACK OPTICAL **Lab Number:** L2013565

Project Number: 2182207.13 **Report Date:** 04/02/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 128,624.1
Analytical Date: 03/28/20 09:14
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1356366-8					
Methylene chloride	ND		ug/l	1.0	0.56
1,1-Dichloroethane	ND		ug/l	1.5	0.40
Chloroform	ND		ug/l	1.0	0.38
Carbon tetrachloride	ND		ug/l	1.0	0.24
1,2-Dichloropropane	ND		ug/l	3.5	0.46
Dibromochloromethane	ND		ug/l	1.0	0.27
1,1,2-Trichloroethane	ND		ug/l	1.5	0.34
2-Chloroethylvinyl ether	ND		ug/l	10	0.35
Tetrachloroethene	ND		ug/l	1.0	0.26
Chlorobenzene	ND		ug/l	3.5	0.30
Trichlorofluoromethane	ND		ug/l	5.0	0.28
1,2-Dichloroethane	ND		ug/l	1.5	0.47
1,1,1-Trichloroethane	ND		ug/l	2.0	0.29
Bromodichloromethane	ND		ug/l	1.0	0.28
trans-1,3-Dichloropropene	ND		ug/l	1.5	0.31
cis-1,3-Dichloropropene	ND		ug/l	1.5	0.34
Bromoform	ND		ug/l	1.0	0.22
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.20
Benzene	ND		ug/l	1.0	0.38
Toluene	ND		ug/l	1.0	0.31
Ethylbenzene	ND		ug/l	1.0	0.28
Chloromethane	ND		ug/l	5.0	1.0
Bromomethane	1.9	J	ug/l	5.0	1.2
Vinyl chloride	ND		ug/l	1.0	0.38
Chloroethane	ND		ug/l	2.0	0.37
1,1-Dichloroethene	ND		ug/l	1.0	0.31
trans-1,2-Dichloroethene	ND		ug/l	1.5	0.33
cis-1,2-Dichloroethene	ND		ug/l	1.0	0.17
Trichloroethene	ND		ug/l	1.0	0.33

Project Name: WOLLENSACK OPTICAL **Lab Number:** L2013565

Project Number: 2182207.13 **Report Date:** 04/02/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 128,624.1
Analytical Date: 03/28/20 09:14
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1356366-8					
1,2-Dichlorobenzene	ND		ug/l	5.0	0.28
1,3-Dichlorobenzene	ND		ug/l	5.0	0.27
1,4-Dichlorobenzene	ND		ug/l	5.0	0.29
p/m-Xylene	ND		ug/l	2.0	0.30
o-xylene	ND		ug/l	1.0	0.34
Xylenes, Total	ND		ug/l	1.0	0.30
Styrene	ND		ug/l	1.0	0.37
Acetone	ND		ug/l	10	2.4
Carbon disulfide	ND		ug/l	5.0	0.28
2-Butanone	ND		ug/l	10	1.0
Vinyl acetate	ND		ug/l	10	0.41
4-Methyl-2-pentanone	ND		ug/l	10	0.19
2-Hexanone	ND		ug/l	10	0.55
Acrolein	ND		ug/l	8.0	1.8
Acrylonitrile	ND		ug/l	10	0.33
Dibromomethane	ND		ug/l	1.0	0.23

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	113		60-140
Fluorobenzene	102		60-140
4-Bromofluorobenzene	106		60-140

Lab Control Sample Analysis
Batch Quality Control

Project Name: WOLLENSACK OPTICAL
Project Number: 2182207.13

Lab Number: L2013565
Report Date: 04/02/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1356366-7								
Methylene chloride	95		-		60-140	-		28
1,1-Dichloroethane	90		-		50-150	-		49
Chloroform	100		-		70-135	-		54
Carbon tetrachloride	115		-		70-130	-		41
1,2-Dichloropropane	110		-		35-165	-		55
Dibromochloromethane	105		-		70-135	-		50
1,1,2-Trichloroethane	100		-		70-130	-		45
2-Chloroethylvinyl ether	90		-		1-225	-		71
Tetrachloroethene	100		-		70-130	-		39
Chlorobenzene	85		-		65-135	-		53
Trichlorofluoromethane	80		-		50-150	-		84
1,2-Dichloroethane	100		-		70-130	-		49
1,1,1-Trichloroethane	115		-		70-130	-		36
Bromodichloromethane	105		-		65-135	-		56
trans-1,3-Dichloropropene	95		-		50-150	-		86
cis-1,3-Dichloropropene	100		-		25-175	-		58
Bromoform	100		-		70-130	-		42
1,1,2,2-Tetrachloroethane	100		-		60-140	-		61
Benzene	100		-		65-135	-		61
Toluene	95		-		70-130	-		41
Ethylbenzene	85		-		60-140	-		63
Chloromethane	80		-		1-205	-		60
Bromomethane	70		-		15-185	-		61

Lab Control Sample Analysis

Batch Quality Control

Project Name: WOLLENSACK OPTICAL

Project Number: 2182207.13

Lab Number: L2013565

Report Date: 04/02/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1356366-7								
Vinyl chloride	80		-		5-195	-		66
Chloroethane	85		-		40-160	-		78
1,1-Dichloroethene	90		-		50-150	-		32
trans-1,2-Dichloroethene	95		-		70-130	-		45
cis-1,2-Dichloroethene	100		-		60-140	-		30
Trichloroethene	110		-		65-135	-		48
1,2-Dichlorobenzene	95		-		65-135	-		57
1,3-Dichlorobenzene	80		-		70-130	-		43
1,4-Dichlorobenzene	85		-		65-135	-		57
p/m-Xylene	85		-		60-140	-		30
o-xylene	85		-		60-140	-		30
Styrene	80		-		60-140	-		30
Acetone	96		-		40-160	-		30
Carbon disulfide	95		-		60-140	-		30
2-Butanone	100		-		60-140	-		30
Vinyl acetate	102		-		60-140	-		30
4-Methyl-2-pentanone	102		-		60-140	-		30
2-Hexanone	110		-		60-140	-		30
Acrolein	105		-		60-140	-		30
Acrylonitrile	105		-		60-140	-		60
Dibromomethane	105		-		70-130	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: WOLLENSACK OPTICAL

Project Number: 2182207.13

Lab Number: L2013565

Report Date: 04/02/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1356366-7								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Pentafluorobenzene	111				60-140
Fluorobenzene	111				60-140
4-Bromofluorobenzene	101				60-140

SEMIVOLATILES

Project Name: WOLLENSACK OPTICAL
Lab Number: L2013565
Project Number: 2182207.13
Report Date: 04/02/20

SAMPLE RESULTS

Lab ID: L2013565-01
Client ID: WW-20200326-01-G-1000GTANK
Sample Location: 886 HUDSON AVE., ROCHESTER, NY

Date Collected: 03/26/20 14:00
Date Received: 03/26/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 129,625.1
Analytical Date: 04/01/20 15:16
Analyst: SZ

Extraction Method: EPA 625.1
Extraction Date: 03/29/20 18:56

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	3.3	0.67	1
Benzidine[1]	ND		ug/l	33	20.	1
1,2,4-Trichlorobenzene	ND		ug/l	8.2	2.4	1
Hexachlorobenzene	ND		ug/l	3.3	1.6	1
Bis(2-chloroethyl)ether	ND		ug/l	3.3	0.98	1
2-Chloronaphthalene	ND		ug/l	3.3	0.52	1
3,3'-Dichlorobenzidine	ND		ug/l	8.2	0.75	1
2,4-Dinitrotoluene	ND		ug/l	8.2	1.0	1
2,6-Dinitrotoluene	ND		ug/l	8.2	1.0	1
Azobenzene[1]	ND		ug/l	3.3	1.4	1
Fluoranthene	ND		ug/l	3.3	1.2	1
4-Chlorophenyl phenyl ether	ND		ug/l	3.3	0.61	1
4-Bromophenyl phenyl ether	ND		ug/l	3.3	0.73	1
Bis(2-chloroisopropyl)ether	ND		ug/l	3.3	1.3	1
Bis(2-chloroethoxy)methane	ND		ug/l	8.2	0.96	1
Hexachlorobutadiene	ND		ug/l	3.3	1.5	1
Hexachlorocyclopentadiene[1]	ND		ug/l	16	2.2	1
Hexachloroethane	ND		ug/l	3.3	1.6	1
Isophorone	ND		ug/l	8.2	0.90	1
Naphthalene	ND		ug/l	3.3	1.5	1
Nitrobenzene	ND		ug/l	3.3	1.3	1
NDPA/DPA[1]	ND		ug/l	3.3	1.3	1
n-Nitrosodi-n-propylamine	ND		ug/l	8.2	1.0	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.6	2.8	1
Butyl benzyl phthalate	ND		ug/l	8.2	1.1	1
Di-n-butylphthalate	ND		ug/l	8.2	1.0	1
Di-n-octylphthalate	ND		ug/l	8.2	1.0	1
Diethyl phthalate	ND		ug/l	8.2	1.2	1

Project Name: WOLLENSACK OPTICAL **Lab Number:** L2013565

Project Number: 2182207.13 **Report Date:** 04/02/20

SAMPLE RESULTS

Lab ID: L2013565-01 Date Collected: 03/26/20 14:00

Client ID: WW-20200326-01-G-1000GTANK Date Received: 03/26/20

Sample Location: 886 HUDSON AVE., ROCHESTER, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dimethyl phthalate	ND		ug/l	8.2	2.3	1
Benzo(a)anthracene	ND		ug/l	3.3	1.1	1
Benzo(a)pyrene	ND		ug/l	3.3	1.0	1
Benzo(b)fluoranthene	ND		ug/l	3.3	1.2	1
Benzo(k)fluoranthene	ND		ug/l	3.3	1.2	1
Chrysene	ND		ug/l	3.3	1.1	1
Acenaphthylene	ND		ug/l	3.3	1.5	1
Anthracene	ND		ug/l	3.3	1.3	1
Benzo(ghi)perylene	ND		ug/l	3.3	1.1	1
Fluorene	ND		ug/l	3.3	1.5	1
Phenanthrene	ND		ug/l	3.3	1.3	1
Dibenzo(a,h)anthracene	ND		ug/l	3.3	1.1	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	3.3	1.0	1
Pyrene	ND		ug/l	3.3	1.2	1
n-Nitrosodimethylamine[1]	ND		ug/l	3.3	0.67	1
2,4,6-Trichlorophenol	ND		ug/l	8.2	1.0	1
p-Chloro-m-cresol[1]	ND		ug/l	3.3	0.87	1
2-Chlorophenol	ND		ug/l	3.3	0.84	1
2,4-Dichlorophenol	ND		ug/l	8.2	0.91	1
2,4-Dimethylphenol	ND		ug/l	8.2	1.4	1
2-Nitrophenol	ND		ug/l	8.2	0.99	1
4-Nitrophenol	ND		ug/l	16	1.4	1
2,4-Dinitrophenol	ND		ug/l	33	2.0	1
4,6-Dinitro-o-cresol	ND		ug/l	16	2.0	1
Pentachlorophenol	ND		ug/l	8.2	1.0	1
Phenol	ND		ug/l	8.2	0.43	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	67		25-87
Phenol-d6	48		16-65
Nitrobenzene-d5	65		42-122
2-Fluorobiphenyl	62		46-121
2,4,6-Tribromophenol	48		45-128
4-Terphenyl-d14	73		47-138

Project Name: WOLLENSACK OPTICAL
Lab Number: L2013565
Project Number: 2182207.13
Report Date: 04/02/20

SAMPLE RESULTS

Lab ID: L2013565-02
Client ID: WW-20200326-02-G-800GTANK
Sample Location: 886 HUDSON AVE., ROCHESTER, NY
Date Collected: 03/26/20 14:15
Date Received: 03/26/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 129,625.1
Analytical Date: 03/30/20 19:44
Analyst: SZ
Extraction Method: EPA 625.1
Extraction Date: 03/29/20 18:56

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	2.6	0.54	1
Benzidine[1]	ND		ug/l	26	16.	1
1,2,4-Trichlorobenzene	ND		ug/l	6.6	2.0	1
Hexachlorobenzene	ND		ug/l	2.6	1.2	1
Bis(2-chloroethyl)ether	ND		ug/l	2.6	0.79	1
2-Chloronaphthalene	ND		ug/l	2.6	0.42	1
3,3'-Dichlorobenzidine	ND		ug/l	6.6	0.60	1
2,4-Dinitrotoluene	ND		ug/l	6.6	0.84	1
2,6-Dinitrotoluene	ND		ug/l	6.6	0.83	1
Azobenzene[1]	ND		ug/l	2.6	1.2	1
Fluoranthene	ND		ug/l	2.6	0.97	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.6	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.6	0.59	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.6	1.1	1
Bis(2-chloroethoxy)methane	ND		ug/l	6.6	0.77	1
Hexachlorobutadiene	ND		ug/l	2.6	1.2	1
Hexachlorocyclopentadiene[1]	ND		ug/l	13	1.8	1
Hexachloroethane	ND		ug/l	2.6	1.3	1
Isophorone	ND		ug/l	6.6	0.72	1
Naphthalene	ND		ug/l	2.6	1.2	1
Nitrobenzene	ND		ug/l	2.6	1.0	1
NDPA/DPA[1]	ND		ug/l	2.6	1.0	1
n-Nitrosodi-n-propylamine	ND		ug/l	6.6	0.83	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	2.9	2.2	1
Butyl benzyl phthalate	ND		ug/l	6.6	0.88	1
Di-n-butylphthalate	ND		ug/l	6.6	0.83	1
Di-n-octylphthalate	ND		ug/l	6.6	0.83	1
Diethyl phthalate	ND		ug/l	6.6	0.94	1

Project Name: WOLLENSACK OPTICAL **Lab Number:** L2013565

Project Number: 2182207.13 **Report Date:** 04/02/20

SAMPLE RESULTS

Lab ID: L2013565-02 Date Collected: 03/26/20 14:15

Client ID: WW-20200326-02-G-800GTANK Date Received: 03/26/20

Sample Location: 886 HUDSON AVE., ROCHESTER, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dimethyl phthalate	ND		ug/l	6.6	1.8	1
Benzo(a)anthracene	ND		ug/l	2.6	0.88	1
Benzo(a)pyrene	ND		ug/l	2.6	0.80	1
Benzo(b)fluoranthene	ND		ug/l	2.6	0.98	1
Benzo(k)fluoranthene	ND		ug/l	2.6	0.97	1
Chrysene	ND		ug/l	2.6	0.88	1
Acenaphthylene	ND		ug/l	2.6	1.2	1
Anthracene	ND		ug/l	2.6	1.0	1
Benzo(ghi)perylene	ND		ug/l	2.6	0.88	1
Fluorene	ND		ug/l	2.6	1.2	1
Phenanthrene	ND		ug/l	2.6	1.1	1
Dibenzo(a,h)anthracene	ND		ug/l	2.6	0.90	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.6	0.83	1
Pyrene	ND		ug/l	2.6	0.96	1
n-Nitrosodimethylamine[1]	ND		ug/l	2.6	0.54	1
2,4,6-Trichlorophenol	ND		ug/l	6.6	0.80	1
p-Chloro-m-cresol[1]	ND		ug/l	2.6	0.70	1
2-Chlorophenol	ND		ug/l	2.6	0.68	1
2,4-Dichlorophenol	ND		ug/l	6.6	0.73	1
2,4-Dimethylphenol	ND		ug/l	6.6	1.1	1
2-Nitrophenol	ND		ug/l	6.6	0.79	1
4-Nitrophenol	ND		ug/l	13	1.1	1
2,4-Dinitrophenol	ND		ug/l	26	1.6	1
4,6-Dinitro-o-cresol	ND		ug/l	13	1.6	1
Pentachlorophenol	ND		ug/l	6.6	0.82	1
Phenol	ND		ug/l	6.6	0.34	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	62		25-87
Phenol-d6	44		16-65
Nitrobenzene-d5	69		42-122
2-Fluorobiphenyl	66		46-121
2,4,6-Tribromophenol	56		45-128
4-Terphenyl-d14	88		47-138

Project Name: WOLLENSACK OPTICAL
Project Number: 2182207.13
Lab Number: L2013565
Report Date: 04/02/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 129,625.1
Analytical Date: 04/01/20 14:50
Analyst: SZ

Extraction Method: EPA 625.1
Extraction Date: 03/29/20 19:26

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1356253-1					
Acenaphthene	ND		ug/l	2.0	0.41
Benzidine[1]	ND		ug/l	20	12.
1,2,4-Trichlorobenzene	ND		ug/l	5.0	1.5
Hexachlorobenzene	ND		ug/l	2.0	0.95
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.60
2-Chloronaphthalene	ND		ug/l	2.0	0.32
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.46
2,4-Dinitrotoluene	ND		ug/l	5.0	0.64
2,6-Dinitrotoluene	ND		ug/l	5.0	0.63
Azobenzene[1]	ND		ug/l	2.0	0.89
Fluoranthene	ND		ug/l	2.0	0.74
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.37
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.45
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.82
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.58
Hexachlorobutadiene	ND		ug/l	2.0	0.92
Hexachlorocyclopentadiene[1]	ND		ug/l	10	1.4
Hexachloroethane	ND		ug/l	2.0	0.97
Isophorone	ND		ug/l	5.0	0.55
Naphthalene	ND		ug/l	2.0	0.90
Nitrobenzene	ND		ug/l	2.0	0.79
NDPA/DPA[1]	ND		ug/l	2.0	0.78
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.63
Bis(2-ethylhexyl)phthalate	ND		ug/l	2.2	1.7
Butyl benzyl phthalate	ND		ug/l	5.0	0.67
Di-n-butylphthalate	ND		ug/l	5.0	0.63
Di-n-octylphthalate	ND		ug/l	5.0	0.63
Diethyl phthalate	ND		ug/l	5.0	0.72
Dimethyl phthalate	ND		ug/l	5.0	1.4

Project Name: WOLLENSACK OPTICAL
Project Number: 2182207.13
Lab Number: L2013565
Report Date: 04/02/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 129,625.1
Analytical Date: 04/01/20 14:50
Analyst: SZ

Extraction Method: EPA 625.1
Extraction Date: 03/29/20 19:26

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1356253-1					
Benzo(a)anthracene	ND		ug/l	2.0	0.66
Benzo(a)pyrene	ND		ug/l	2.0	0.61
Benzo(b)fluoranthene	ND		ug/l	2.0	0.74
Benzo(k)fluoranthene	ND		ug/l	2.0	0.74
Chrysene	ND		ug/l	2.0	0.67
Acenaphthylene	ND		ug/l	2.0	0.93
Anthracene	ND		ug/l	2.0	0.79
Benzo(ghi)perylene	ND		ug/l	2.0	0.67
Fluorene	ND		ug/l	2.0	0.93
Phenanthrene	ND		ug/l	2.0	0.82
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.69
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.63
Pyrene	ND		ug/l	2.0	0.73
n-Nitrosodimethylamine[1]	ND		ug/l	2.0	0.41
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61
p-Chloro-m-cresol[1]	ND		ug/l	2.0	0.53
2-Chlorophenol	ND		ug/l	2.0	0.51
2,4-Dichlorophenol	ND		ug/l	5.0	0.55
2,4-Dimethylphenol	ND		ug/l	5.0	0.85
2-Nitrophenol	ND		ug/l	5.0	0.60
4-Nitrophenol	ND		ug/l	10	0.83
2,4-Dinitrophenol	ND		ug/l	20	1.2
4,6-Dinitro-o-cresol	ND		ug/l	10	1.2
Pentachlorophenol	ND		ug/l	5.0	0.62
Phenol	ND		ug/l	5.0	0.26

Project Name: WOLLENSACK OPTICAL
Project Number: 2182207.13
Lab Number: L2013565
Report Date: 04/02/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 129,625.1
Analytical Date: 04/01/20 14:50
Analyst: SZ

Extraction Method: EPA 625.1
Extraction Date: 03/29/20 19:26

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1356253-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	60		25-87
Phenol-d6	40		16-65
Nitrobenzene-d5	78		42-122
2-Fluorobiphenyl	68		46-121
2,4,6-Tribromophenol	58		45-128
4-Terphenyl-d14	100		47-138

Lab Control Sample Analysis
Batch Quality Control

Project Name: WOLLENSACK OPTICAL
Project Number: 2182207.13

Lab Number: L2013565
Report Date: 04/02/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1356253-3								
Acenaphthene	85		-		60-132	-		48
Benzidine[1]	1		-		0-70	-		30
1,2,4-Trichlorobenzene	75		-		57-130	-		50
Hexachlorobenzene	77		-		8-142	-		55
Bis(2-chloroethyl)ether	94		-		43-126	-		108
2-Chloronaphthalene	81		-		65-120	-		24
3,3'-Dichlorobenzidine	43		-		8-213	-		108
2,4-Dinitrotoluene	97		-		48-127	-		42
2,6-Dinitrotoluene	96		-		68-137	-		48
Azobenzene[1]	94		-		44-115	-		23
Fluoranthene	98		-		43-121	-		66
4-Chlorophenyl phenyl ether	80		-		38-145	-		61
4-Bromophenyl phenyl ether	83		-		65-120	-		43
Bis(2-chloroisopropyl)ether	91		-		63-139	-		76
Bis(2-chloroethoxy)methane	106		-		49-165	-		54
Hexachlorobutadiene	58		-		38-120	-		62
Hexachlorocyclopentadiene[1]	43		-		7-118	-		35
Hexachloroethane	76		-		55-120	-		52
Isophorone	105		-		47-180	-		93
Naphthalene	81		-		36-120	-		65
Nitrobenzene	98		-		54-158	-		62
NDPA/DPA[1]	92		-		45-112	-		36
n-Nitrosodi-n-propylamine	103		-		14-198	-		87

Lab Control Sample Analysis
Batch Quality Control

Project Name: WOLLENSACK OPTICAL
Project Number: 2182207.13

Lab Number: L2013565
Report Date: 04/02/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1356253-3								
Bis(2-ethylhexyl)phthalate	120		-		29-137	-		82
Butyl benzyl phthalate	117		-		1-140	-		60
Di-n-butylphthalate	116		-		8-120	-		47
Di-n-octylphthalate	**137**	Q	-		19-132	-		69
Diethyl phthalate	92		-		1-120	-		100
Dimethyl phthalate	94		-		1-120	-		183
Benzo(a)anthracene	103		-		42-133	-		53
Benzo(a)pyrene	114		-		32-148	-		72
Benzo(b)fluoranthene	114		-		42-140	-		71
Benzo(k)fluoranthene	106		-		25-146	-		63
Chrysene	100		-		44-140	-		87
Acenaphthylene	89		-		54-126	-		74
Anthracene	100		-		43-120	-		66
Benzo(ghi)perylene	97		-		1-195	-		97
Fluorene	92		-		70-120	-		38
Phenanthrene	93		-		65-120	-		39
Dibenzo(a,h)anthracene	97		-		1-200	-		126
Indeno(1,2,3-cd)pyrene	101		-		1-151	-		99
Pyrene	94		-		70-120	-		49
n-Nitrosodimethylamine[1]	67		-		15-68	-		17
2,4,6-Trichlorophenol	97		-		52-129	-		58
p-Chloro-m-cresol[1]	112		-		68-130	-		73
2-Chlorophenol	108		-		36-120	-		61

Lab Control Sample Analysis

Batch Quality Control

Project Name: WOLLENSACK OPTICAL

Project Number: 2182207.13

Lab Number: L2013565

Report Date: 04/02/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1356253-3								
2,4-Dichlorophenol	115		-		53-122	-		50
2,4-Dimethylphenol	92		-		42-120	-		58
2-Nitrophenol	106		-		45-167	-		55
4-Nitrophenol	59		-		13-129	-		131
2,4-Dinitrophenol	50		-		1-173	-		132
4,6-Dinitro-o-cresol	66		-		56-130	-		203
Pentachlorophenol	70		-		38-152	-		86
Phenol	57		-		17-120	-		64

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	78				25-87
Phenol-d6	57				16-65
Nitrobenzene-d5	101				42-122
2-Fluorobiphenyl	81				46-121
2,4,6-Tribromophenol	71				45-128
4-Terphenyl-d14	104				47-138

PCBS

Project Name: WOLLENSACK OPTICAL
Lab Number: L2013565
Project Number: 2182207.13
Report Date: 04/02/20

SAMPLE RESULTS

Lab ID: L2013565-01
Client ID: WW-20200326-01-G-1000GTANK
Sample Location: 886 HUDSON AVE., ROCHESTER, NY

Date Collected: 03/26/20 14:00
Date Received: 03/26/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 127,608.3
Analytical Date: 03/31/20 14:42
Analyst: JAW

Extraction Method: EPA 608.3
Extraction Date: 03/30/20 09:09
Cleanup Method: EPA 3665A
Cleanup Date: 03/31/20
Cleanup Method: EPA 3660B
Cleanup Date: 03/31/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.065	0.010	1	A
Aroclor 1221	ND		ug/l	0.065	0.014	1	A
Aroclor 1232	ND		ug/l	0.065	0.030	1	A
Aroclor 1242	ND		ug/l	0.065	0.024	1	A
Aroclor 1248	ND		ug/l	0.065	0.030	1	A
Aroclor 1254	ND		ug/l	0.065	0.011	1	A
Aroclor 1260	ND		ug/l	0.065	0.023	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**35**	Q	37-123	A
Decachlorobiphenyl	**4**	Q	38-114	A
2,4,5,6-Tetrachloro-m-xylene	37		37-123	B
Decachlorobiphenyl	**4**	Q	38-114	B

Project Name: WOLLENSACK OPTICAL
Lab Number: L2013565
Project Number: 2182207.13
Report Date: 04/02/20

SAMPLE RESULTS

Lab ID: L2013565-01 RE
Client ID: WW-20200326-01-G-1000GTANK
Sample Location: 886 HUDSON AVE., ROCHESTER, NY

Date Collected: 03/26/20 14:00
Date Received: 03/26/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 127,608.3
Analytical Date: 04/01/20 12:38
Analyst: AWS

Extraction Method: EPA 608.3
Extraction Date: 04/01/20 02:51
Cleanup Method: EPA 3665A
Cleanup Date: 04/01/20
Cleanup Method: EPA 3660B
Cleanup Date: 04/01/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.073	0.011	1	A
Aroclor 1221	ND		ug/l	0.073	0.016	1	A
Aroclor 1232	ND		ug/l	0.073	0.033	1	A
Aroclor 1242	ND		ug/l	0.073	0.026	1	A
Aroclor 1248	ND		ug/l	0.073	0.033	1	A
Aroclor 1254	ND		ug/l	0.073	0.012	1	A
Aroclor 1260	ND		ug/l	0.073	0.025	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	47		37-123	A
Decachlorobiphenyl	**19**	Q	38-114	A
2,4,5,6-Tetrachloro-m-xylene	50		37-123	B
Decachlorobiphenyl	**19**	Q	38-114	B

Project Name: WOLLENSACK OPTICAL
Lab Number: L2013565
Project Number: 2182207.13
Report Date: 04/02/20

SAMPLE RESULTS

Lab ID: L2013565-02
Client ID: WW-20200326-02-G-800GTANK
Sample Location: 886 HUDSON AVE., ROCHESTER, NY

Date Collected: 03/26/20 14:15
Date Received: 03/26/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 127,608.3
Analytical Date: 04/01/20 12:50
Analyst: AWS

Extraction Method: EPA 608.3
Extraction Date: 04/01/20 02:51
Cleanup Method: EPA 3665A
Cleanup Date: 04/01/20
Cleanup Method: EPA 3660B
Cleanup Date: 04/01/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.077	0.012	1	A
Aroclor 1221	ND		ug/l	0.077	0.017	1	A
Aroclor 1232	ND		ug/l	0.077	0.035	1	A
Aroclor 1242	ND		ug/l	0.077	0.028	1	A
Aroclor 1248	ND		ug/l	0.077	0.035	1	A
Aroclor 1254	ND		ug/l	0.077	0.013	1	A
Aroclor 1260	ND		ug/l	0.077	0.027	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	52		37-123	A
Decachlorobiphenyl	44		38-114	A
2,4,5,6-Tetrachloro-m-xylene	55		37-123	B
Decachlorobiphenyl	41		38-114	B

Project Name: WOLLENSACK OPTICAL
Project Number: 2182207.13
Lab Number: L2013565
Report Date: 04/02/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 127,608.3
Analytical Date: 03/31/20 15:52
Analyst: JAW

Extraction Method: EPA 608.3
Extraction Date: 03/30/20 09:09
Cleanup Method: EPA 3665A
Cleanup Date: 03/31/20
Cleanup Method: EPA 3660B
Cleanup Date: 03/31/20

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01 Batch: WG1356351-1						
Aroclor 1016	ND		ug/l	0.050	0.008	A
Aroclor 1221	ND		ug/l	0.050	0.011	A
Aroclor 1232	ND		ug/l	0.050	0.023	A
Aroclor 1242	ND		ug/l	0.050	0.018	A
Aroclor 1248	ND		ug/l	0.050	0.023	A
Aroclor 1254	ND		ug/l	0.050	0.008	A
Aroclor 1260	ND		ug/l	0.050	0.017	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		37-123	A
Decachlorobiphenyl	55		38-114	A
2,4,5,6-Tetrachloro-m-xylene	76		37-123	B
Decachlorobiphenyl	50		38-114	B

Project Name: WOLLENSACK OPTICAL
Project Number: 2182207.13
Lab Number: L2013565
Report Date: 04/02/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 127,608.3
Analytical Date: 04/01/20 13:02
Analyst: JAW

Extraction Method: EPA 608.3
Extraction Date: 04/01/20 02:51
Cleanup Method: EPA 3665A
Cleanup Date: 04/01/20
Cleanup Method: EPA 3660B
Cleanup Date: 04/01/20

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-02 Batch: WG1357033-1						
Aroclor 1016	ND		ug/l	0.050	0.008	A
Aroclor 1221	ND		ug/l	0.050	0.011	A
Aroclor 1232	ND		ug/l	0.050	0.023	A
Aroclor 1242	ND		ug/l	0.050	0.018	A
Aroclor 1248	ND		ug/l	0.050	0.023	A
Aroclor 1254	ND		ug/l	0.050	0.008	A
Aroclor 1260	ND		ug/l	0.050	0.017	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58		37-123	A
Decachlorobiphenyl	62		38-114	A
2,4,5,6-Tetrachloro-m-xylene	58		37-123	B
Decachlorobiphenyl	54		38-114	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: WOLLENSACK OPTICAL

Project Number: 2182207.13

Lab Number: L2013565

Report Date: 04/02/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01 Batch: WG1356351-2									
Aroclor 1016	75		-		50-140	-		36	A
Aroclor 1260	63		-		8-140	-		38	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72				37-123	A
Decachlorobiphenyl	53				38-114	A
2,4,5,6-Tetrachloro-m-xylene	67				37-123	B
Decachlorobiphenyl	46				38-114	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: WOLLENSACK OPTICAL
Project Number: 2182207.13
Lab Number: L2013565
Report Date: 04/02/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG1357033-2									
Aroclor 1016	55		-		50-140	-		36	A
Aroclor 1260	49		-		8-140	-		38	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	53				37-123	A
Decachlorobiphenyl	46				38-114	A
2,4,5,6-Tetrachloro-m-xylene	52				37-123	B
Decachlorobiphenyl	40				38-114	B

METALS

Project Name: WOLLENSACK OPTICAL **Lab Number:** L2013565

Project Number: 2182207.13 **Report Date:** 04/02/20

SAMPLE RESULTS

Lab ID: L2013565-01 Date Collected: 03/26/20 14:00

Client ID: WW-20200326-01-G-1000GTANK Date Received: 03/26/20

Sample Location: 886 HUDSON AVE., ROCHESTER, NY Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5.68		mg/l	0.100	0.032	1	03/30/20 09:34	04/01/20 18:00	EPA 3005A	19,200.7	BV
Antimony, Total	ND		mg/l	0.050	0.007	1	03/30/20 09:34	04/01/20 17:42	EPA 3005A	19,200.7	BV
Arsenic, Total	0.016		mg/l	0.005	0.002	1	03/30/20 09:34	04/01/20 17:42	EPA 3005A	19,200.7	BV
Barium, Total	0.058		mg/l	0.010	0.002	1	03/30/20 09:34	04/01/20 17:42	EPA 3005A	19,200.7	BV
Beryllium, Total	ND		mg/l	0.005	0.001	1	03/30/20 09:34	04/01/20 17:42	EPA 3005A	19,200.7	BV
Cadmium, Total	ND		mg/l	0.005	0.001	1	03/30/20 09:34	04/01/20 17:42	EPA 3005A	19,200.7	BV
Calcium, Total	89.7		mg/l	0.100	0.035	1	03/30/20 09:34	04/01/20 17:42	EPA 3005A	19,200.7	BV
Chromium, Total	0.017		mg/l	0.010	0.002	1	03/30/20 09:34	04/01/20 17:42	EPA 3005A	19,200.7	BV
Cobalt, Total	0.009	J	mg/l	0.020	0.002	1	03/30/20 09:34	04/01/20 17:42	EPA 3005A	19,200.7	BV
Copper, Total	0.024		mg/l	0.010	0.002	1	03/30/20 09:34	04/01/20 17:42	EPA 3005A	19,200.7	BV
Iron, Total	8.39		mg/l	0.050	0.009	1	03/30/20 09:34	04/01/20 17:42	EPA 3005A	19,200.7	BV
Lead, Total	0.020		mg/l	0.010	0.003	1	03/30/20 09:34	04/01/20 17:42	EPA 3005A	19,200.7	BV
Magnesium, Total	11.7		mg/l	0.100	0.015	1	03/30/20 09:34	04/01/20 17:42	EPA 3005A	19,200.7	BV
Manganese, Total	0.197		mg/l	0.010	0.002	1	03/30/20 09:34	04/01/20 17:42	EPA 3005A	19,200.7	BV
Mercury, Total	ND		mg/l	0.00020	0.00009	1	03/30/20 09:57	03/31/20 10:55	EPA 245.1	3,245.1	GD
Nickel, Total	0.012	J	mg/l	0.025	0.002	1	03/30/20 09:34	04/01/20 17:42	EPA 3005A	19,200.7	BV
Potassium, Total	62.8		mg/l	2.50	0.237	1	03/30/20 09:34	04/01/20 17:42	EPA 3005A	19,200.7	BV
Selenium, Total	ND		mg/l	0.010	0.004	1	03/30/20 09:34	04/01/20 17:42	EPA 3005A	19,200.7	BV
Silver, Total	ND		mg/l	0.007	0.003	1	03/30/20 09:34	04/01/20 17:42	EPA 3005A	19,200.7	BV
Sodium, Total	122		mg/l	2.00	0.120	1	03/30/20 09:34	04/01/20 18:00	EPA 3005A	19,200.7	BV
Thallium, Total	ND		mg/l	0.020	0.003	1	03/30/20 09:34	04/01/20 17:42	EPA 3005A	19,200.7	BV
Vanadium, Total	0.028		mg/l	0.010	0.002	1	03/30/20 09:34	04/01/20 17:42	EPA 3005A	19,200.7	BV
Zinc, Total	0.055		mg/l	0.050	0.002	1	03/30/20 09:34	04/01/20 17:42	EPA 3005A	19,200.7	BV

Project Name: WOLLENSACK OPTICAL
Lab Number: L2013565
Project Number: 2182207.13
Report Date: 04/02/20

SAMPLE RESULTS

Lab ID: L2013565-02
Client ID: WW-20200326-02-G-800GTANK
Sample Location: 886 HUDSON AVE., ROCHESTER, NY
Date Collected: 03/26/20 14:15
Date Received: 03/26/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	131		mg/l	0.200	0.064	1	03/30/20 09:34	04/01/20 18:05	EPA 3005A	19,200.7	BV
Antimony, Total	ND		mg/l	0.100	0.014	1	03/30/20 09:34	04/01/20 17:47	EPA 3005A	19,200.7	BV
Arsenic, Total	0.147		mg/l	0.010	0.004	1	03/30/20 09:34	04/01/20 17:47	EPA 3005A	19,200.7	BV
Barium, Total	1.74		mg/l	0.020	0.004	1	03/30/20 09:34	04/01/20 17:47	EPA 3005A	19,200.7	BV
Beryllium, Total	0.008	J	mg/l	0.010	0.002	1	03/30/20 09:34	04/01/20 17:47	EPA 3005A	19,200.7	BV
Cadmium, Total	ND		mg/l	0.010	0.002	1	03/30/20 09:34	04/01/20 17:47	EPA 3005A	19,200.7	BV
Calcium, Total	3520		mg/l	0.200	0.070	1	03/30/20 09:34	04/01/20 17:47	EPA 3005A	19,200.7	BV
Chromium, Total	0.461		mg/l	0.020	0.004	1	03/30/20 09:34	04/01/20 17:47	EPA 3005A	19,200.7	BV
Cobalt, Total	0.303		mg/l	0.040	0.003	1	03/30/20 09:34	04/01/20 17:47	EPA 3005A	19,200.7	BV
Copper, Total	0.673		mg/l	0.020	0.004	1	03/30/20 09:34	04/01/20 17:47	EPA 3005A	19,200.7	BV
Iron, Total	310		mg/l	0.100	0.018	1	03/30/20 09:34	04/01/20 17:47	EPA 3005A	19,200.7	BV
Lead, Total	0.462		mg/l	0.020	0.005	1	03/30/20 09:34	04/01/20 17:47	EPA 3005A	19,200.7	BV
Magnesium, Total	534		mg/l	0.200	0.031	1	03/30/20 09:34	04/01/20 17:47	EPA 3005A	19,200.7	BV
Manganese, Total	12.0		mg/l	0.020	0.003	1	03/30/20 09:34	04/01/20 17:47	EPA 3005A	19,200.7	BV
Mercury, Total	0.00047		mg/l	0.00020	0.00009	1	03/30/20 09:57	03/31/20 11:02	EPA 245.1	3,245.1	GD
Nickel, Total	0.354		mg/l	0.050	0.005	1	03/30/20 09:34	04/01/20 17:47	EPA 3005A	19,200.7	BV
Potassium, Total	106		mg/l	5.00	0.474	1	03/30/20 09:34	04/01/20 17:47	EPA 3005A	19,200.7	BV
Selenium, Total	0.016	J	mg/l	0.020	0.007	1	03/30/20 09:34	04/01/20 17:47	EPA 3005A	19,200.7	BV
Silver, Total	ND		mg/l	0.014	0.006	1	03/30/20 09:34	04/01/20 17:47	EPA 3005A	19,200.7	BV
Sodium, Total	131		mg/l	4.00	0.240	1	03/30/20 09:34	04/01/20 17:47	EPA 3005A	19,200.7	BV
Thallium, Total	0.008	J	mg/l	0.040	0.005	1	03/30/20 09:34	04/01/20 17:47	EPA 3005A	19,200.7	BV
Vanadium, Total	0.192		mg/l	0.020	0.004	1	03/30/20 09:34	04/01/20 17:47	EPA 3005A	19,200.7	BV
Zinc, Total	2.13		mg/l	0.100	0.004	1	03/30/20 09:34	04/01/20 17:47	EPA 3005A	19,200.7	BV

Project Name: WOLLENSACK OPTICAL **Lab Number:** L2013565

Project Number: 2182207.13 **Report Date:** 04/02/20

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-02 Batch: WG1355888-1										
Aluminum, Total	ND		mg/l	0.100	0.032	1	03/30/20 09:34	04/01/20 17:36	19,200.7	BV
Antimony, Total	ND		mg/l	0.050	0.007	1	03/30/20 09:34	04/01/20 17:02	19,200.7	BV
Arsenic, Total	ND		mg/l	0.005	0.002	1	03/30/20 09:34	04/01/20 17:02	19,200.7	BV
Barium, Total	ND		mg/l	0.010	0.002	1	03/30/20 09:34	04/01/20 17:02	19,200.7	BV
Beryllium, Total	ND		mg/l	0.005	0.001	1	03/30/20 09:34	04/01/20 17:02	19,200.7	BV
Cadmium, Total	ND		mg/l	0.005	0.001	1	03/30/20 09:34	04/01/20 17:02	19,200.7	BV
Calcium, Total	ND		mg/l	0.100	0.035	1	03/30/20 09:34	04/01/20 17:02	19,200.7	BV
Chromium, Total	ND		mg/l	0.010	0.002	1	03/30/20 09:34	04/01/20 17:02	19,200.7	BV
Cobalt, Total	ND		mg/l	0.020	0.002	1	03/30/20 09:34	04/01/20 17:02	19,200.7	BV
Copper, Total	ND		mg/l	0.010	0.002	1	03/30/20 09:34	04/01/20 17:02	19,200.7	BV
Iron, Total	ND		mg/l	0.050	0.009	1	03/30/20 09:34	04/01/20 17:02	19,200.7	BV
Lead, Total	ND		mg/l	0.010	0.003	1	03/30/20 09:34	04/01/20 17:02	19,200.7	BV
Magnesium, Total	ND		mg/l	0.100	0.015	1	03/30/20 09:34	04/01/20 17:02	19,200.7	BV
Manganese, Total	ND		mg/l	0.010	0.002	1	03/30/20 09:34	04/01/20 17:02	19,200.7	BV
Nickel, Total	ND		mg/l	0.025	0.002	1	03/30/20 09:34	04/01/20 17:02	19,200.7	BV
Potassium, Total	ND		mg/l	2.50	0.237	1	03/30/20 09:34	04/01/20 17:02	19,200.7	BV
Selenium, Total	ND		mg/l	0.010	0.004	1	03/30/20 09:34	04/01/20 17:02	19,200.7	BV
Silver, Total	ND		mg/l	0.007	0.003	1	03/30/20 09:34	04/01/20 17:02	19,200.7	BV
Sodium, Total	ND		mg/l	2.00	0.120	1	03/30/20 09:34	04/01/20 17:02	19,200.7	BV
Thallium, Total	ND		mg/l	0.020	0.003	1	03/30/20 09:34	04/01/20 17:02	19,200.7	BV
Vanadium, Total	ND		mg/l	0.010	0.002	1	03/30/20 09:34	04/01/20 17:02	19,200.7	BV
Zinc, Total	ND		mg/l	0.050	0.002	1	03/30/20 09:34	04/01/20 17:02	19,200.7	BV

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-02 Batch: WG1355891-1										
Mercury, Total	ND		mg/l	0.00020	0.00009	1	03/30/20 09:57	03/31/20 10:50	3,245.1	GD

Project Name: WOLLENSACK OPTICAL
Lab Number: L2013565
Project Number: 2182207.13
Report Date: 04/02/20

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 245.1

Lab Control Sample Analysis

Batch Quality Control

Project Name: WOLLENSACK OPTICAL

Project Number: 2182207.13

Lab Number: L2013565

Report Date: 04/02/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG1355888-2								
Aluminum, Total	103		-		85-115	-		
Antimony, Total	101		-		85-115	-		
Arsenic, Total	108		-		85-115	-		
Barium, Total	101		-		85-115	-		
Beryllium, Total	103		-		85-115	-		
Cadmium, Total	103		-		85-115	-		
Calcium, Total	102		-		85-115	-		
Chromium, Total	102		-		85-115	-		
Cobalt, Total	101		-		85-115	-		
Copper, Total	96		-		85-115	-		
Iron, Total	103		-		85-115	-		
Lead, Total	106		-		85-115	-		
Magnesium, Total	106		-		85-115	-		
Manganese, Total	89		-		85-115	-		
Nickel, Total	102		-		85-115	-		
Potassium, Total	101		-		85-115	-		
Selenium, Total	108		-		85-115	-		
Silver, Total	100		-		85-115	-		
Sodium, Total	99		-		85-115	-		
Thallium, Total	107		-		85-115	-		
Vanadium, Total	101		-		85-115	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: WOLLENSACK OPTICAL

Project Number: 2182207.13

Lab Number: L2013565

Report Date: 04/02/20

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG1355888-2					
Zinc, Total	105	-	85-115	-	
Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG1355891-2					
Mercury, Total	97	-	85-115	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: WOLLENSACK OPTICAL
Project Number: 2182207.13

Lab Number: L2013565
Report Date: 04/02/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1355888-3 QC Sample: L2013228-01 Client ID: MS Sample												
Aluminum, Total	4.90	2	7.08	109		-	-		75-125	-		20
Antimony, Total	ND	0.5	0.541	108		-	-		75-125	-		20
Arsenic, Total	0.002J	0.12	0.140	117		-	-		75-125	-		20
Barium, Total	0.204	2	2.26	103		-	-		75-125	-		20
Beryllium, Total	ND	0.05	0.050	99		-	-		75-125	-		20
Cadmium, Total	ND	0.051	0.051	99		-	-		75-125	-		20
Calcium, Total	552	10	566	**140**	Q	-	-		75-125	-		20
Chromium, Total	0.055	0.2	0.252	99		-	-		75-125	-		20
Cobalt, Total	0.002J	0.5	0.483	97		-	-		75-125	-		20
Copper, Total	ND	0.25	0.247	99		-	-		75-125	-		20
Iron, Total	3.57	1	4.57	100		-	-		75-125	-		20
Lead, Total	0.007J	0.51	0.514	101		-	-		75-125	-		20
Magnesium, Total	3.06	10	12.6	95		-	-		75-125	-		20
Manganese, Total	0.100	0.5	0.533	87		-	-		75-125	-		20
Nickel, Total	0.013J	0.5	0.493	99		-	-		75-125	-		20
Potassium, Total	72.4	10	83.7	113		-	-		75-125	-		20
Selenium, Total	ND	0.12	0.138	115		-	-		75-125	-		20
Silver, Total	ND	0.05	0.052	103		-	-		75-125	-		20
Sodium, Total	53.8	10	64.7	109		-	-		75-125	-		20
Thallium, Total	ND	0.12	0.114	95		-	-		75-125	-		20
Vanadium, Total	0.025	0.5	0.529	101		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: WOLLENSACK OPTICAL
Project Number: 2182207.13

Lab Number: L2013565
Report Date: 04/02/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1355888-3 QC Sample: L2013228-01 Client ID: MS Sample									
Zinc, Total	0.047J	0.5	0.552	110	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1355891-3 QC Sample: L2013565-01 Client ID: WW-20200326-01-G-1000GTANK									
Mercury, Total	ND	0.005	0.00494	99	-	-	70-130	-	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: WOLLENSACK OPTICAL

Project Number: 2182207.13

Lab Number: L2013565

Report Date: 04/02/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1355888-4 QC Sample: L2013228-01 Client ID: DUP Sample						
Calcium, Total	552	550	mg/l	0		20
Magnesium, Total	3.06	3.11	mg/l	2		20
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1355891-4 QC Sample: L2013565-01 Client ID: WW-20200326-01-G-1000GTANK						
Mercury, Total	ND	ND	mg/l	NC		20

Project Name: WOLLENSACK OPTICAL
Project Number: 2182207.13

Lab Number: L2013565
Report Date: 04/02/20

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2013565-01A	Vial Na2S2O3 preserved	A	NA		4.8	Y	Absent		624.1(3)
L2013565-01B	Vial Na2S2O3 preserved	A	NA		4.8	Y	Absent		624.1(3)
L2013565-01C	Vial Na2S2O3 preserved	A	NA		4.8	Y	Absent		624.1(3)
L2013565-01D	Plastic 250ml HNO3 preserved	A	<2	<2	4.8	Y	Absent		NI-UI(180),SB-UI(180),CU-TI-PPB(180),BA-UI(180),CA-UI(180),HG-T-PPB(28),CA-TI-PPB(180),ZN-UI(180),AG-UI(180),AS-TI-PPB(180),BA-TI-PPB(180),CO-TI-PPB(180),CO-UI(180),K-UI(180),AL-TI-PPB(180),MG-TI-PPB(180),SE-TI-PPB(180),SE-UI(180),FE-UI(180),MG-UI(180),CD-TI-PPB(180),V-TI-PPB(180),ZN-TI-PPB(180),HG-U(28),K-TI-PPB(180),NA-TI-PPB(180),SB-TI-PPB(180),AG-TI-PPB(180),CD-UI(180),CR-UI(180),FE-TI-PPB(180),AL-UI(180),BE-UI(180),PB-TI-PPB(180),TL-TI-PPB(180),MN-UI(180),NA-UI(180),NI-TI-PPB(180),CR-TI-PPB(180),AS-UI(180),BE-TI-PPB(180),V-UI(180),TL-UI(180),MN-TI-PPB(180),PB-UI(180),CU-UI(180)
L2013565-01E	Amber 1000ml Na2S2O3	A	11	11	4.8	Y	Absent		NYPCB-608-2L(7),625.1(7)
L2013565-01F	Amber 1000ml Na2S2O3	A	11	11	4.8	Y	Absent		NYPCB-608-2L(7),625.1(7)
L2013565-01G	Amber 1000ml Na2S2O3	A	11	11	4.8	Y	Absent		NYPCB-608-2L(7),625.1(7)
L2013565-01H	Amber 1000ml Na2S2O3	A	11	11	4.8	Y	Absent		NYPCB-608-2L(7),625.1(7)
L2013565-01I	Amber 1000ml Na2S2O3	A	11	11	4.8	Y	Absent		NYPCB-608-2L(7),625.1(7)
L2013565-01J	Amber 1000ml Na2S2O3	A	11	11	4.8	Y	Absent		NYPCB-608-2L(7),625.1(7)
L2013565-02A	Vial Na2S2O3 preserved	A	NA		4.8	Y	Absent		624.1(3)
L2013565-02B	Vial Na2S2O3 preserved	A	NA		4.8	Y	Absent		624.1(3)
L2013565-02C	Vial Na2S2O3 preserved	A	NA		4.8	Y	Absent		624.1(3)

*Values in parentheses indicate holding time in days

Project Name: WOLLENSACK OPTICAL
Project Number: 2182207.13

Lab Number: L2013565
Report Date: 04/02/20

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2013565-02D	Plastic 500ml HNO3 preserved	A	7	7	4.8	N	Absent		NI-UI(180),CU-TI-PPB(180),SB-UI(180),BA-UI(180),HG-T-PPB(28),CA-TI-PPB(180),CA-UI(180),ZN-UI(180),AG-UI(180),CO-TI-PPB(180),AS-TI-PPB(180),CO-UI(180),BA-TI-PPB(180),K-UI(180),AL-TI-PPB(180),MG-TI-PPB(180),SE-TI-PPB(180),MG-UI(180),CD-TI-PPB(180),FE-UI(180),SE-UI(180),V-TI-PPB(180),ZN-TI-PPB(180),K-TI-PPB(180),NA-TI-PPB(180),SB-TI-PPB(180),HG-U(28),CD-UI(180),AG-TI-PPB(180),TL-TI-PPB(180),PB-TI-PPB(180),AL-UI(180),BE-UI(180),FE-TI-PPB(180),MN-UI(180),CR-UI(180),NA-UI(180),AS-UI(180),BE-TI-PPB(180),TL-UI(180),V-UI(180),MN-TI-PPB(180),CR-TI-PPB(180),CU-UI(180),NI-TI-PPB(180),PB-UI(180)
L2013565-02E	Amber 1000ml Na2S2O3	A	11	11	4.8	Y	Absent		NYPCB-608-2L(7),625.1(7)
L2013565-02F	Amber 1000ml Na2S2O3	A	11	11	4.8	Y	Absent		NYPCB-608-2L(7),625.1(7)
L2013565-02G	Amber 1000ml Na2S2O3	A	11	11	4.8	Y	Absent		NYPCB-608-2L(7),625.1(7)
L2013565-02H	Amber 1000ml Na2S2O3	A	11	11	4.8	Y	Absent		NYPCB-608-2L(7),625.1(7)
L2013565-02I	Amber 1000ml Na2S2O3	A	11	11	4.8	Y	Absent		NYPCB-608-2L(7),625.1(7)
L2013565-02J	Amber 1000ml Na2S2O3	A	11	11	4.8	Y	Absent		NYPCB-608-2L(7),625.1(7)
L2013565-03A	Vial Na2S2O3 preserved	A	NA		4.8	Y	Absent		CANCELLED()
L2013565-03B	Vial Na2S2O3 preserved	A	NA		4.8	Y	Absent		CANCELLED()

*Values in parentheses indicate holding time in days

Project Name:	WOLLENSACK OPTICAL	**Lab Number:**	L2013565
Project Number:	2182207.13	**Report Date:**	04/02/20

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

Report Format: DU Report with 'J' Qualifiers

Project Name:	WOLLENSACK OPTICAL	**Lab Number:**	L2013565
Project Number:	2182207.13	**Report Date:**	04/02/20

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration

Project Name:	WOLLENSACK OPTICAL	**Lab Number:**	L2013565
Project Number:	2182207.13	**Report Date:**	04/02/20

Data Qualifiers

Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Report Format: DU Report with 'J' Qualifiers

Project Name:	WOLLENSACK OPTICAL	**Lab Number:**	L2013565
Project Number:	2182207.13	**Report Date:**	04/02/20

REFERENCES

3 Methods for the Determination of Metals in Environmental Samples, Supplement I. EPA/600/R-94/111. May 1994.

19 Inductively Coupled Plasma Atomic Emission Spectrometric Method for Trace Element Analysis of Water and Wastes. Appendix C, Part 136, 40 CFR (Code of Federal Regulations). July 1, 1999 edition.

127 Method 608.3: Organochlorine Pesticides and PCBs by GC/HSD, EPA 821-R-16-009, December 2016.

128 Method 624.1: Purgeables by GC/MS, EPA 821-R-16-008, December 2016.

129 Method 625.1: Base/Neutrals and Acids by GC/MS, EPA 821-R-16-007, December 2016.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
EPA TO-12 Non-methane organics
EPA 3C Fixed gases
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581 — 8 Walkup Dr. — TEL: 508-898-9220 — FAX: 508-898-9193

Mansfield, MA 02048 — 320 Forbes Blvd — TEL: 508-822-9300 — FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 03/27/20

ALPHA Job #: L2013565

Client Information

Client: LaBella
Address: 300 State Street Rochester NY
Phone: 585-454-6110
Fax: AdoSilva@LaBellapc.com
Email: mpelychaty@labellapc.com

Project Information

Project Name: Wollensack optical
Project Location: 886 Hudson Ave Rochester NY
Project # 2182207.13
(Use Project name as Project #)
Project Manager: Mike Pelychaty
ALPHAQuote #:

Turn-Around Time

Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

Deliverables

☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement

☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information

☒ Same as Client Info
PO #

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☒ NY
☐ Other:

ANALYSIS

Sample Filtration
☐ Done
☒ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC EPA 624.1	NY PCB - EPA 608.3	TOTAL PPB Metals EPA 200.7/245.2	ACID/BASE/Neutral Extractables - EPA 625.1	625.1				Sample Specific Comments	Total Bottle
13565-01	WW-20200326-01-G-1000GTANK	3/26/2020	1400	GW	AM	X	X	X	X						10
-02	WW-20200326-02-G-500GTANK	↓	1415	GW	AM	X	X	X	X						10
-03	TRIPBLANK-20200326	↓	0800	DW	AM	X									2

MLD 03/27/2020

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type	A	P	A
Preservative			

Relinquished By:	Date/Time	Received By:	Date/Time
	3/26/20 1700		3/27/20 1700
	3/26/20 1700		3/27/20 0025

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L2013565
Client:	LaBella Associates, P.C. 300 State Street Suite 201 Rochester, NY 14614
ATTN:	Mike Pelychaty
Phone:	(585) 295-6253
Project Name:	WOLLENSACK OPTICAL
Project Number:	2182207.13
Report Date:	04/02/20

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: WOLLENSACK OPTICAL
Project Number: 2182207.13

Lab Number: L2013565
Report Date: 04/02/20

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2013565-01	WW-20200326-01-G-1000GTANK	WATER	886 HUDSON AVE., ROCHESTER, NY	03/26/20 14:00	03/26/20
L2013565-02	WW-20200326-02-G-800GTANK	WATER	886 HUDSON AVE., ROCHESTER, NY	03/26/20 14:15	03/26/20
L2013565-03	TRIP BLANK-20200326	WATER	886 HUDSON AVE., ROCHESTER, NY	03/26/20 08:00	03/26/20

Project Name:	WOLLENSACK OPTICAL	**Lab Number:**	L2013565
Project Number:	2182207.13	**Report Date:**	04/02/20

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	WOLLENSACK OPTICAL	**Lab Number:**	L2013565
Project Number:	2182207.13	**Report Date:**	04/02/20

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Sample Receipt

L2013565-02: The sample was received above the appropriate pH for the Total Metals analysis. The laboratory added additional HNO3; however, the pH would not adjust into the proper range.

Volatile Organics by Method 624

L2013565-01 and -02: Due to the matrix of the sample (foam generation during purging/analysis), the laboratory used Anti-Foam solution in the sample and associated QC.

Semivolatile Organics by Method 625

L2013565-01 and -02: The sample has elevated detection limits due to limited sample volume available for analysis.

The WG1356253-3 LCS recovery, associated with L2013565-01 and -02, is above the acceptance criteria for di-n-octylphthalate (137%); however, the associated samples are non-detect to the RL for this target analyte. The results of the original analysis are reported.

PCBs

L2013565-01 and -02: The sample has elevated detection limits due to limited sample volume available for analysis.

L2013565-01: The surrogate recoveries were outside the acceptance criteria for 2,4,5,6-tetrachloro-m-xylene (35%) and decachlorobiphenyl (4%,4%); however, re-extraction achieved similar results: decachlorobiphenyl (19%,19%). The results of both extractions are reported.

Total Metals

Project Name:	WOLLENSACK OPTICAL	**Lab Number:**	L2013565
Project Number:	2182207.13	**Report Date:**	04/02/20

Case Narrative (continued)

L2013565-02: The sample has elevated detection limits for all elements, with the exception of mercury, due to the prep dilution required by the sample matrix.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Melissa Sturgis Melissa Sturgis

Title: Technical Director/Representative Date: 04/02/20

ORGANICS

VOLATILES

Project Name: WOLLENSACK OPTICAL **Lab Number:** L2013565

Project Number: 2182207.13 **Report Date:** 04/02/20

SAMPLE RESULTS

Lab ID: L2013565-01 Date Collected: 03/26/20 14:00
Client ID: WW-20200326-01-G-1000GTANK Date Received: 03/26/20
Sample Location: 886 HUDSON AVE., ROCHESTER, NY Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 128,624.1
Analytical Date: 03/28/20 11:34
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	1.0	0.56	1
1,1-Dichloroethane	ND		ug/l	1.5	0.40	1
Chloroform	0.81	J	ug/l	1.0	0.38	1
Carbon tetrachloride	ND		ug/l	1.0	0.24	1
1,2-Dichloropropane	ND		ug/l	3.5	0.46	1
Dibromochloromethane	ND		ug/l	1.0	0.27	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.34	1
2-Chloroethylvinyl ether	ND		ug/l	10	0.35	1
Tetrachloroethene	1.9		ug/l	1.0	0.26	1
Chlorobenzene	ND		ug/l	3.5	0.30	1
Trichlorofluoromethane	ND		ug/l	5.0	0.28	1
1,2-Dichloroethane	ND		ug/l	1.5	0.47	1
1,1,1-Trichloroethane	ND		ug/l	2.0	0.29	1
Bromodichloromethane	ND		ug/l	1.0	0.28	1
trans-1,3-Dichloropropene	ND		ug/l	1.5	0.31	1
cis-1,3-Dichloropropene	ND		ug/l	1.5	0.34	1
Bromoform	ND		ug/l	1.0	0.22	1
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.20	1
Benzene	ND		ug/l	1.0	0.38	1
Toluene	ND		ug/l	1.0	0.31	1
Ethylbenzene	ND		ug/l	1.0	0.28	1
Chloromethane	ND		ug/l	5.0	1.0	1
Bromomethane	2.0	J	ug/l	5.0	1.2	1
Vinyl chloride	ND		ug/l	1.0	0.38	1
Chloroethane	ND		ug/l	2.0	0.37	1
1,1-Dichloroethene	ND		ug/l	1.0	0.31	1
trans-1,2-Dichloroethene	ND		ug/l	1.5	0.33	1
cis-1,2-Dichloroethene	0.19	J	ug/l	1.0	0.17	1

Project Name: WOLLENSACK OPTICAL **Lab Number:** L2013565

Project Number: 2182207.13 **Report Date:** 04/02/20

SAMPLE RESULTS

Lab ID: L2013565-01 Date Collected: 03/26/20 14:00

Client ID: WW-20200326-01-G-1000GTANK Date Received: 03/26/20

Sample Location: 886 HUDSON AVE., ROCHESTER, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	40		ug/l	1.0	0.33	1
1,2-Dichlorobenzene	ND		ug/l	5.0	0.28	1
1,3-Dichlorobenzene	ND		ug/l	5.0	0.27	1
1,4-Dichlorobenzene	ND		ug/l	5.0	0.29	1
p/m-Xylene	ND		ug/l	2.0	0.30	1
o-xylene	ND		ug/l	1.0	0.34	1
Xylenes, Total	ND		ug/l	1.0	0.30	1
Styrene	ND		ug/l	1.0	0.37	1
Acetone	12		ug/l	10	2.4	1
Carbon disulfide	ND		ug/l	5.0	0.28	1
2-Butanone	ND		ug/l	10	1.0	1
Vinyl acetate	ND		ug/l	10	0.41	1
4-Methyl-2-pentanone	ND		ug/l	10	0.19	1
2-Hexanone	ND		ug/l	10	0.55	1
Acrolein	ND		ug/l	8.0	1.8	1
Acrylonitrile	ND		ug/l	10	0.33	1
Dibromomethane	ND		ug/l	1.0	0.23	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	109		60-140
Fluorobenzene	104		60-140
4-Bromofluorobenzene	98		60-140

Project Name: WOLLENSACK OPTICAL **Lab Number:** L2013565

Project Number: 2182207.13 **Report Date:** 04/02/20

SAMPLE RESULTS

Lab ID: L2013565-02 D
Client ID: WW-20200326-02-G-800GTANK
Sample Location: 886 HUDSON AVE., ROCHESTER, NY

Date Collected: 03/26/20 14:15
Date Received: 03/26/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 128,624.1
Analytical Date: 03/28/20 12:07
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.0	1.1	2
1,1-Dichloroethane	ND		ug/l	3.0	0.79	2
Chloroform	ND		ug/l	2.0	0.76	2
Carbon tetrachloride	ND		ug/l	2.0	0.49	2
1,2-Dichloropropane	ND		ug/l	7.0	0.93	2
Dibromochloromethane	ND		ug/l	2.0	0.54	2
1,1,2-Trichloroethane	ND		ug/l	3.0	0.68	2
2-Chloroethylvinyl ether	ND		ug/l	20	0.69	2
Tetrachloroethene	16		ug/l	2.0	0.52	2
Chlorobenzene	ND		ug/l	7.0	0.61	2
Trichlorofluoromethane	ND		ug/l	10	0.55	2
1,2-Dichloroethane	ND		ug/l	3.0	0.94	2
1,1,1-Trichloroethane	ND		ug/l	4.0	0.57	2
Bromodichloromethane	ND		ug/l	2.0	0.55	2
trans-1,3-Dichloropropene	ND		ug/l	3.0	0.62	2
cis-1,3-Dichloropropene	ND		ug/l	3.0	0.67	2
Bromoform	ND		ug/l	2.0	0.43	2
1,1,2,2-Tetrachloroethane	ND		ug/l	2.0	0.41	2
Benzene	ND		ug/l	2.0	0.77	2
Toluene	ND		ug/l	2.0	0.63	2
Ethylbenzene	ND		ug/l	2.0	0.56	2
Chloromethane	ND		ug/l	10	2.1	2
Bromomethane	2.8	J	ug/l	10	2.4	2
Vinyl chloride	ND		ug/l	2.0	0.75	2
Chloroethane	ND		ug/l	4.0	0.74	2
1,1-Dichloroethene	ND		ug/l	2.0	0.62	2
trans-1,2-Dichloroethene	ND		ug/l	3.0	0.66	2
cis-1,2-Dichloroethene	1.3	J	ug/l	2.0	0.34	2

Project Name: WOLLENSACK OPTICAL **Lab Number:** L2013565

Project Number: 2182207.13 **Report Date:** 04/02/20

SAMPLE RESULTS

Lab ID: L2013565-02 D Date Collected: 03/26/20 14:15

Client ID: WW-20200326-02-G-800GTANK Date Received: 03/26/20

Sample Location: 886 HUDSON AVE., ROCHESTER, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	340		ug/l	2.0	0.67	2
1,2-Dichlorobenzene	ND		ug/l	10	0.55	2
1,3-Dichlorobenzene	ND		ug/l	10	0.55	2
1,4-Dichlorobenzene	ND		ug/l	10	0.57	2
p/m-Xylene	ND		ug/l	4.0	0.61	2
o-xylene	ND		ug/l	2.0	0.68	2
Xylenes, Total	ND		ug/l	2.0	0.61	2
Styrene	ND		ug/l	2.0	0.74	2
Acetone	12	J	ug/l	20	4.7	2
Carbon disulfide	ND		ug/l	10	0.57	2
2-Butanone	ND		ug/l	20	2.1	2
Vinyl acetate	ND		ug/l	20	0.82	2
4-Methyl-2-pentanone	ND		ug/l	20	0.38	2
2-Hexanone	ND		ug/l	20	1.1	2
Acrolein	ND		ug/l	16	3.6	2
Acrylonitrile	ND		ug/l	20	0.67	2
Dibromomethane	ND		ug/l	2.0	0.45	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	108		60-140
Fluorobenzene	106		60-140
4-Bromofluorobenzene	104		60-140

Project Name: WOLLENSACK OPTICAL **Lab Number:** L2013565

Project Number: 2182207.13 **Report Date:** 04/02/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 128,624.1
Analytical Date: 03/28/20 09:14
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1356366-8					
Methylene chloride	ND		ug/l	1.0	0.56
1,1-Dichloroethane	ND		ug/l	1.5	0.40
Chloroform	ND		ug/l	1.0	0.38
Carbon tetrachloride	ND		ug/l	1.0	0.24
1,2-Dichloropropane	ND		ug/l	3.5	0.46
Dibromochloromethane	ND		ug/l	1.0	0.27
1,1,2-Trichloroethane	ND		ug/l	1.5	0.34
2-Chloroethylvinyl ether	ND		ug/l	10	0.35
Tetrachloroethene	ND		ug/l	1.0	0.26
Chlorobenzene	ND		ug/l	3.5	0.30
Trichlorofluoromethane	ND		ug/l	5.0	0.28
1,2-Dichloroethane	ND		ug/l	1.5	0.47
1,1,1-Trichloroethane	ND		ug/l	2.0	0.29
Bromodichloromethane	ND		ug/l	1.0	0.28
trans-1,3-Dichloropropene	ND		ug/l	1.5	0.31
cis-1,3-Dichloropropene	ND		ug/l	1.5	0.34
Bromoform	ND		ug/l	1.0	0.22
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.20
Benzene	ND		ug/l	1.0	0.38
Toluene	ND		ug/l	1.0	0.31
Ethylbenzene	ND		ug/l	1.0	0.28
Chloromethane	ND		ug/l	5.0	1.0
Bromomethane	1.9	J	ug/l	5.0	1.2
Vinyl chloride	ND		ug/l	1.0	0.38
Chloroethane	ND		ug/l	2.0	0.37
1,1-Dichloroethene	ND		ug/l	1.0	0.31
trans-1,2-Dichloroethene	ND		ug/l	1.5	0.33
cis-1,2-Dichloroethene	ND		ug/l	1.0	0.17
Trichloroethene	ND		ug/l	1.0	0.33

Project Name: WOLLENSACK OPTICAL **Lab Number:** L2013565

Project Number: 2182207.13 **Report Date:** 04/02/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 128,624.1
Analytical Date: 03/28/20 09:14
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1356366-8					
1,2-Dichlorobenzene	ND		ug/l	5.0	0.28
1,3-Dichlorobenzene	ND		ug/l	5.0	0.27
1,4-Dichlorobenzene	ND		ug/l	5.0	0.29
p/m-Xylene	ND		ug/l	2.0	0.30
o-xylene	ND		ug/l	1.0	0.34
Xylenes, Total	ND		ug/l	1.0	0.30
Styrene	ND		ug/l	1.0	0.37
Acetone	ND		ug/l	10	2.4
Carbon disulfide	ND		ug/l	5.0	0.28
2-Butanone	ND		ug/l	10	1.0
Vinyl acetate	ND		ug/l	10	0.41
4-Methyl-2-pentanone	ND		ug/l	10	0.19
2-Hexanone	ND		ug/l	10	0.55
Acrolein	ND		ug/l	8.0	1.8
Acrylonitrile	ND		ug/l	10	0.33
Dibromomethane	ND		ug/l	1.0	0.23

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	113		60-140
Fluorobenzene	102		60-140
4-Bromofluorobenzene	106		60-140

Lab Control Sample Analysis
Batch Quality Control

Project Name: WOLLENSACK OPTICAL
Project Number: 2182207.13

Lab Number: L2013565
Report Date: 04/02/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1356366-7								
Methylene chloride	95		-		60-140	-		28
1,1-Dichloroethane	90		-		50-150	-		49
Chloroform	100		-		70-135	-		54
Carbon tetrachloride	115		-		70-130	-		41
1,2-Dichloropropane	110		-		35-165	-		55
Dibromochloromethane	105		-		70-135	-		50
1,1,2-Trichloroethane	100		-		70-130	-		45
2-Chloroethylvinyl ether	90		-		1-225	-		71
Tetrachloroethene	100		-		70-130	-		39
Chlorobenzene	85		-		65-135	-		53
Trichlorofluoromethane	80		-		50-150	-		84
1,2-Dichloroethane	100		-		70-130	-		49
1,1,1-Trichloroethane	115		-		70-130	-		36
Bromodichloromethane	105		-		65-135	-		56
trans-1,3-Dichloropropene	95		-		50-150	-		86
cis-1,3-Dichloropropene	100		-		25-175	-		58
Bromoform	100		-		70-130	-		42
1,1,2,2-Tetrachloroethane	100		-		60-140	-		61
Benzene	100		-		65-135	-		61
Toluene	95		-		70-130	-		41
Ethylbenzene	85		-		60-140	-		63
Chloromethane	80		-		1-205	-		60
Bromomethane	70		-		15-185	-		61

Lab Control Sample Analysis

Batch Quality Control

Project Name: WOLLENSACK OPTICAL

Project Number: 2182207.13

Lab Number: L2013565

Report Date: 04/02/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1356366-7								
Vinyl chloride	80		-		5-195	-		66
Chloroethane	85		-		40-160	-		78
1,1-Dichloroethene	90		-		50-150	-		32
trans-1,2-Dichloroethene	95		-		70-130	-		45
cis-1,2-Dichloroethene	100		-		60-140	-		30
Trichloroethene	110		-		65-135	-		48
1,2-Dichlorobenzene	95		-		65-135	-		57
1,3-Dichlorobenzene	80		-		70-130	-		43
1,4-Dichlorobenzene	85		-		65-135	-		57
p/m-Xylene	85		-		60-140	-		30
o-xylene	85		-		60-140	-		30
Styrene	80		-		60-140	-		30
Acetone	96		-		40-160	-		30
Carbon disulfide	95		-		60-140	-		30
2-Butanone	100		-		60-140	-		30
Vinyl acetate	102		-		60-140	-		30
4-Methyl-2-pentanone	102		-		60-140	-		30
2-Hexanone	110		-		60-140	-		30
Acrolein	105		-		60-140	-		30
Acrylonitrile	105		-		60-140	-		60
Dibromomethane	105		-		70-130	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: WOLLENSACK OPTICAL

Project Number: 2182207.13

Lab Number: L2013565

Report Date: 04/02/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1356366-7								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Pentafluorobenzene	111				60-140
Fluorobenzene	111				60-140
4-Bromofluorobenzene	101				60-140

SEMIVOLATILES

Project Name: WOLLENSACK OPTICAL
Lab Number: L2013565
Project Number: 2182207.13
Report Date: 04/02/20

SAMPLE RESULTS

Lab ID: L2013565-01
Client ID: WW-20200326-01-G-1000GTANK
Sample Location: 886 HUDSON AVE., ROCHESTER, NY

Date Collected: 03/26/20 14:00
Date Received: 03/26/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 129,625.1
Analytical Date: 04/01/20 15:16
Analyst: SZ

Extraction Method: EPA 625.1
Extraction Date: 03/29/20 18:56

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	3.3	0.67	1
Benzidine[1]	ND		ug/l	33	20.	1
1,2,4-Trichlorobenzene	ND		ug/l	8.2	2.4	1
Hexachlorobenzene	ND		ug/l	3.3	1.6	1
Bis(2-chloroethyl)ether	ND		ug/l	3.3	0.98	1
2-Chloronaphthalene	ND		ug/l	3.3	0.52	1
3,3'-Dichlorobenzidine	ND		ug/l	8.2	0.75	1
2,4-Dinitrotoluene	ND		ug/l	8.2	1.0	1
2,6-Dinitrotoluene	ND		ug/l	8.2	1.0	1
Azobenzene[1]	ND		ug/l	3.3	1.4	1
Fluoranthene	ND		ug/l	3.3	1.2	1
4-Chlorophenyl phenyl ether	ND		ug/l	3.3	0.61	1
4-Bromophenyl phenyl ether	ND		ug/l	3.3	0.73	1
Bis(2-chloroisopropyl)ether	ND		ug/l	3.3	1.3	1
Bis(2-chloroethoxy)methane	ND		ug/l	8.2	0.96	1
Hexachlorobutadiene	ND		ug/l	3.3	1.5	1
Hexachlorocyclopentadiene[1]	ND		ug/l	16	2.2	1
Hexachloroethane	ND		ug/l	3.3	1.6	1
Isophorone	ND		ug/l	8.2	0.90	1
Naphthalene	ND		ug/l	3.3	1.5	1
Nitrobenzene	ND		ug/l	3.3	1.3	1
NDPA/DPA[1]	ND		ug/l	3.3	1.3	1
n-Nitrosodi-n-propylamine	ND		ug/l	8.2	1.0	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.6	2.8	1
Butyl benzyl phthalate	ND		ug/l	8.2	1.1	1
Di-n-butylphthalate	ND		ug/l	8.2	1.0	1
Di-n-octylphthalate	ND		ug/l	8.2	1.0	1
Diethyl phthalate	ND		ug/l	8.2	1.2	1

Project Name: WOLLENSACK OPTICAL **Lab Number:** L2013565

Project Number: 2182207.13 **Report Date:** 04/02/20

SAMPLE RESULTS

Lab ID: L2013565-01 Date Collected: 03/26/20 14:00

Client ID: WW-20200326-01-G-1000GTANK Date Received: 03/26/20

Sample Location: 886 HUDSON AVE., ROCHESTER, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dimethyl phthalate	ND		ug/l	8.2	2.3	1
Benzo(a)anthracene	ND		ug/l	3.3	1.1	1
Benzo(a)pyrene	ND		ug/l	3.3	1.0	1
Benzo(b)fluoranthene	ND		ug/l	3.3	1.2	1
Benzo(k)fluoranthene	ND		ug/l	3.3	1.2	1
Chrysene	ND		ug/l	3.3	1.1	1
Acenaphthylene	ND		ug/l	3.3	1.5	1
Anthracene	ND		ug/l	3.3	1.3	1
Benzo(ghi)perylene	ND		ug/l	3.3	1.1	1
Fluorene	ND		ug/l	3.3	1.5	1
Phenanthrene	ND		ug/l	3.3	1.3	1
Dibenzo(a,h)anthracene	ND		ug/l	3.3	1.1	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	3.3	1.0	1
Pyrene	ND		ug/l	3.3	1.2	1
n-Nitrosodimethylamine[1]	ND		ug/l	3.3	0.67	1
2,4,6-Trichlorophenol	ND		ug/l	8.2	1.0	1
p-Chloro-m-cresol[1]	ND		ug/l	3.3	0.87	1
2-Chlorophenol	ND		ug/l	3.3	0.84	1
2,4-Dichlorophenol	ND		ug/l	8.2	0.91	1
2,4-Dimethylphenol	ND		ug/l	8.2	1.4	1
2-Nitrophenol	ND		ug/l	8.2	0.99	1
4-Nitrophenol	ND		ug/l	16	1.4	1
2,4-Dinitrophenol	ND		ug/l	33	2.0	1
4,6-Dinitro-o-cresol	ND		ug/l	16	2.0	1
Pentachlorophenol	ND		ug/l	8.2	1.0	1
Phenol	ND		ug/l	8.2	0.43	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	67		25-87
Phenol-d6	48		16-65
Nitrobenzene-d5	65		42-122
2-Fluorobiphenyl	62		46-121
2,4,6-Tribromophenol	48		45-128
4-Terphenyl-d14	73		47-138

Project Name: WOLLENSACK OPTICAL
Lab Number: L2013565
Project Number: 2182207.13
Report Date: 04/02/20

SAMPLE RESULTS

Lab ID: L2013565-02
Client ID: WW-20200326-02-G-800GTANK
Sample Location: 886 HUDSON AVE., ROCHESTER, NY
Date Collected: 03/26/20 14:15
Date Received: 03/26/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 129,625.1
Analytical Date: 03/30/20 19:44
Analyst: SZ
Extraction Method: EPA 625.1
Extraction Date: 03/29/20 18:56

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	2.6	0.54	1
Benzidine[1]	ND		ug/l	26	16.	1
1,2,4-Trichlorobenzene	ND		ug/l	6.6	2.0	1
Hexachlorobenzene	ND		ug/l	2.6	1.2	1
Bis(2-chloroethyl)ether	ND		ug/l	2.6	0.79	1
2-Chloronaphthalene	ND		ug/l	2.6	0.42	1
3,3'-Dichlorobenzidine	ND		ug/l	6.6	0.60	1
2,4-Dinitrotoluene	ND		ug/l	6.6	0.84	1
2,6-Dinitrotoluene	ND		ug/l	6.6	0.83	1
Azobenzene[1]	ND		ug/l	2.6	1.2	1
Fluoranthene	ND		ug/l	2.6	0.97	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.6	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.6	0.59	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.6	1.1	1
Bis(2-chloroethoxy)methane	ND		ug/l	6.6	0.77	1
Hexachlorobutadiene	ND		ug/l	2.6	1.2	1
Hexachlorocyclopentadiene[1]	ND		ug/l	13	1.8	1
Hexachloroethane	ND		ug/l	2.6	1.3	1
Isophorone	ND		ug/l	6.6	0.72	1
Naphthalene	ND		ug/l	2.6	1.2	1
Nitrobenzene	ND		ug/l	2.6	1.0	1
NDPA/DPA[1]	ND		ug/l	2.6	1.0	1
n-Nitrosodi-n-propylamine	ND		ug/l	6.6	0.83	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	2.9	2.2	1
Butyl benzyl phthalate	ND		ug/l	6.6	0.88	1
Di-n-butylphthalate	ND		ug/l	6.6	0.83	1
Di-n-octylphthalate	ND		ug/l	6.6	0.83	1
Diethyl phthalate	ND		ug/l	6.6	0.94	1

Project Name: WOLLENSACK OPTICAL **Lab Number:** L2013565

Project Number: 2182207.13 **Report Date:** 04/02/20

SAMPLE RESULTS

Lab ID: L2013565-02 Date Collected: 03/26/20 14:15

Client ID: WW-20200326-02-G-800GTANK Date Received: 03/26/20

Sample Location: 886 HUDSON AVE., ROCHESTER, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dimethyl phthalate	ND		ug/l	6.6	1.8	1
Benzo(a)anthracene	ND		ug/l	2.6	0.88	1
Benzo(a)pyrene	ND		ug/l	2.6	0.80	1
Benzo(b)fluoranthene	ND		ug/l	2.6	0.98	1
Benzo(k)fluoranthene	ND		ug/l	2.6	0.97	1
Chrysene	ND		ug/l	2.6	0.88	1
Acenaphthylene	ND		ug/l	2.6	1.2	1
Anthracene	ND		ug/l	2.6	1.0	1
Benzo(ghi)perylene	ND		ug/l	2.6	0.88	1
Fluorene	ND		ug/l	2.6	1.2	1
Phenanthrene	ND		ug/l	2.6	1.1	1
Dibenzo(a,h)anthracene	ND		ug/l	2.6	0.90	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.6	0.83	1
Pyrene	ND		ug/l	2.6	0.96	1
n-Nitrosodimethylamine[1]	ND		ug/l	2.6	0.54	1
2,4,6-Trichlorophenol	ND		ug/l	6.6	0.80	1
p-Chloro-m-cresol[1]	ND		ug/l	2.6	0.70	1
2-Chlorophenol	ND		ug/l	2.6	0.68	1
2,4-Dichlorophenol	ND		ug/l	6.6	0.73	1
2,4-Dimethylphenol	ND		ug/l	6.6	1.1	1
2-Nitrophenol	ND		ug/l	6.6	0.79	1
4-Nitrophenol	ND		ug/l	13	1.1	1
2,4-Dinitrophenol	ND		ug/l	26	1.6	1
4,6-Dinitro-o-cresol	ND		ug/l	13	1.6	1
Pentachlorophenol	ND		ug/l	6.6	0.82	1
Phenol	ND		ug/l	6.6	0.34	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	62		25-87
Phenol-d6	44		16-65
Nitrobenzene-d5	69		42-122
2-Fluorobiphenyl	66		46-121
2,4,6-Tribromophenol	56		45-128
4-Terphenyl-d14	88		47-138

Project Name: WOLLENSACK OPTICAL
Project Number: 2182207.13
Lab Number: L2013565
Report Date: 04/02/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 129,625.1
Analytical Date: 04/01/20 14:50
Analyst: SZ

Extraction Method: EPA 625.1
Extraction Date: 03/29/20 19:26

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1356253-1					
Acenaphthene	ND		ug/l	2.0	0.41
Benzidine[1]	ND		ug/l	20	12.
1,2,4-Trichlorobenzene	ND		ug/l	5.0	1.5
Hexachlorobenzene	ND		ug/l	2.0	0.95
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.60
2-Chloronaphthalene	ND		ug/l	2.0	0.32
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.46
2,4-Dinitrotoluene	ND		ug/l	5.0	0.64
2,6-Dinitrotoluene	ND		ug/l	5.0	0.63
Azobenzene[1]	ND		ug/l	2.0	0.89
Fluoranthene	ND		ug/l	2.0	0.74
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.37
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.45
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.82
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.58
Hexachlorobutadiene	ND		ug/l	2.0	0.92
Hexachlorocyclopentadiene[1]	ND		ug/l	10	1.4
Hexachloroethane	ND		ug/l	2.0	0.97
Isophorone	ND		ug/l	5.0	0.55
Naphthalene	ND		ug/l	2.0	0.90
Nitrobenzene	ND		ug/l	2.0	0.79
NDPA/DPA[1]	ND		ug/l	2.0	0.78
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.63
Bis(2-ethylhexyl)phthalate	ND		ug/l	2.2	1.7
Butyl benzyl phthalate	ND		ug/l	5.0	0.67
Di-n-butylphthalate	ND		ug/l	5.0	0.63
Di-n-octylphthalate	ND		ug/l	5.0	0.63
Diethyl phthalate	ND		ug/l	5.0	0.72
Dimethyl phthalate	ND		ug/l	5.0	1.4

Project Name: WOLLENSACK OPTICAL
Project Number: 2182207.13
Lab Number: L2013565
Report Date: 04/02/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 129,625.1
Analytical Date: 04/01/20 14:50
Analyst: SZ

Extraction Method: EPA 625.1
Extraction Date: 03/29/20 19:26

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1356253-1					
Benzo(a)anthracene	ND		ug/l	2.0	0.66
Benzo(a)pyrene	ND		ug/l	2.0	0.61
Benzo(b)fluoranthene	ND		ug/l	2.0	0.74
Benzo(k)fluoranthene	ND		ug/l	2.0	0.74
Chrysene	ND		ug/l	2.0	0.67
Acenaphthylene	ND		ug/l	2.0	0.93
Anthracene	ND		ug/l	2.0	0.79
Benzo(ghi)perylene	ND		ug/l	2.0	0.67
Fluorene	ND		ug/l	2.0	0.93
Phenanthrene	ND		ug/l	2.0	0.82
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.69
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.63
Pyrene	ND		ug/l	2.0	0.73
n-Nitrosodimethylamine[1]	ND		ug/l	2.0	0.41
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61
p-Chloro-m-cresol[1]	ND		ug/l	2.0	0.53
2-Chlorophenol	ND		ug/l	2.0	0.51
2,4-Dichlorophenol	ND		ug/l	5.0	0.55
2,4-Dimethylphenol	ND		ug/l	5.0	0.85
2-Nitrophenol	ND		ug/l	5.0	0.60
4-Nitrophenol	ND		ug/l	10	0.83
2,4-Dinitrophenol	ND		ug/l	20	1.2
4,6-Dinitro-o-cresol	ND		ug/l	10	1.2
Pentachlorophenol	ND		ug/l	5.0	0.62
Phenol	ND		ug/l	5.0	0.26

Project Name: WOLLENSACK OPTICAL
Project Number: 2182207.13
Lab Number: L2013565
Report Date: 04/02/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 129,625.1
Analytical Date: 04/01/20 14:50
Analyst: SZ

Extraction Method: EPA 625.1
Extraction Date: 03/29/20 19:26

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1356253-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	60		25-87
Phenol-d6	40		16-65
Nitrobenzene-d5	78		42-122
2-Fluorobiphenyl	68		46-121
2,4,6-Tribromophenol	58		45-128
4-Terphenyl-d14	100		47-138

Lab Control Sample Analysis
Batch Quality Control

Project Name: WOLLENSACK OPTICAL
Project Number: 2182207.13

Lab Number: L2013565
Report Date: 04/02/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1356253-3								
Acenaphthene	85		-		60-132	-		48
Benzidine[1]	1		-		0-70	-		30
1,2,4-Trichlorobenzene	75		-		57-130	-		50
Hexachlorobenzene	77		-		8-142	-		55
Bis(2-chloroethyl)ether	94		-		43-126	-		108
2-Chloronaphthalene	81		-		65-120	-		24
3,3'-Dichlorobenzidine	43		-		8-213	-		108
2,4-Dinitrotoluene	97		-		48-127	-		42
2,6-Dinitrotoluene	96		-		68-137	-		48
Azobenzene[1]	94		-		44-115	-		23
Fluoranthene	98		-		43-121	-		66
4-Chlorophenyl phenyl ether	80		-		38-145	-		61
4-Bromophenyl phenyl ether	83		-		65-120	-		43
Bis(2-chloroisopropyl)ether	91		-		63-139	-		76
Bis(2-chloroethoxy)methane	106		-		49-165	-		54
Hexachlorobutadiene	58		-		38-120	-		62
Hexachlorocyclopentadiene[1]	43		-		7-118	-		35
Hexachloroethane	76		-		55-120	-		52
Isophorone	105		-		47-180	-		93
Naphthalene	81		-		36-120	-		65
Nitrobenzene	98		-		54-158	-		62
NDPA/DPA[1]	92		-		45-112	-		36
n-Nitrosodi-n-propylamine	103		-		14-198	-		87

Lab Control Sample Analysis
Batch Quality Control

Project Name: WOLLENSACK OPTICAL
Project Number: 2182207.13

Lab Number: L2013565
Report Date: 04/02/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1356253-3								
Bis(2-ethylhexyl)phthalate	120		-		29-137	-		82
Butyl benzyl phthalate	117		-		1-140	-		60
Di-n-butylphthalate	116		-		8-120	-		47
Di-n-octylphthalate	**137**	Q	-		19-132	-		69
Diethyl phthalate	92		-		1-120	-		100
Dimethyl phthalate	94		-		1-120	-		183
Benzo(a)anthracene	103		-		42-133	-		53
Benzo(a)pyrene	114		-		32-148	-		72
Benzo(b)fluoranthene	114		-		42-140	-		71
Benzo(k)fluoranthene	106		-		25-146	-		63
Chrysene	100		-		44-140	-		87
Acenaphthylene	89		-		54-126	-		74
Anthracene	100		-		43-120	-		66
Benzo(ghi)perylene	97		-		1-195	-		97
Fluorene	92		-		70-120	-		38
Phenanthrene	93		-		65-120	-		39
Dibenzo(a,h)anthracene	97		-		1-200	-		126
Indeno(1,2,3-cd)pyrene	101		-		1-151	-		99
Pyrene	94		-		70-120	-		49
n-Nitrosodimethylamine[1]	67		-		15-68	-		17
2,4,6-Trichlorophenol	97		-		52-129	-		58
p-Chloro-m-cresol[1]	112		-		68-130	-		73
2-Chlorophenol	108		-		36-120	-		61

Lab Control Sample Analysis

Batch Quality Control

Project Name: WOLLENSACK OPTICAL

Project Number: 2182207.13

Lab Number: L2013565

Report Date: 04/02/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1356253-3								
2,4-Dichlorophenol	115		-		53-122	-		50
2,4-Dimethylphenol	92		-		42-120	-		58
2-Nitrophenol	106		-		45-167	-		55
4-Nitrophenol	59		-		13-129	-		131
2,4-Dinitrophenol	50		-		1-173	-		132
4,6-Dinitro-o-cresol	66		-		56-130	-		203
Pentachlorophenol	70		-		38-152	-		86
Phenol	57		-		17-120	-		64

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	78				25-87
Phenol-d6	57				16-65
Nitrobenzene-d5	101				42-122
2-Fluorobiphenyl	81				46-121
2,4,6-Tribromophenol	71				45-128
4-Terphenyl-d14	104				47-138

PCBS

Project Name: WOLLENSACK OPTICAL
Lab Number: L2013565
Project Number: 2182207.13
Report Date: 04/02/20

SAMPLE RESULTS

Lab ID: L2013565-01
Client ID: WW-20200326-01-G-1000GTANK
Sample Location: 886 HUDSON AVE., ROCHESTER, NY

Date Collected: 03/26/20 14:00
Date Received: 03/26/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 127,608.3
Analytical Date: 03/31/20 14:42
Analyst: JAW

Extraction Method: EPA 608.3
Extraction Date: 03/30/20 09:09
Cleanup Method: EPA 3665A
Cleanup Date: 03/31/20
Cleanup Method: EPA 3660B
Cleanup Date: 03/31/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.065	0.010	1	A
Aroclor 1221	ND		ug/l	0.065	0.014	1	A
Aroclor 1232	ND		ug/l	0.065	0.030	1	A
Aroclor 1242	ND		ug/l	0.065	0.024	1	A
Aroclor 1248	ND		ug/l	0.065	0.030	1	A
Aroclor 1254	ND		ug/l	0.065	0.011	1	A
Aroclor 1260	ND		ug/l	0.065	0.023	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**35**	Q	37-123	A
Decachlorobiphenyl	**4**	Q	38-114	A
2,4,5,6-Tetrachloro-m-xylene	37		37-123	B
Decachlorobiphenyl	**4**	Q	38-114	B

Project Name: WOLLENSACK OPTICAL
Lab Number: L2013565
Project Number: 2182207.13
Report Date: 04/02/20

SAMPLE RESULTS

Lab ID: L2013565-01 RE
Client ID: WW-20200326-01-G-1000GTANK
Sample Location: 886 HUDSON AVE., ROCHESTER, NY

Date Collected: 03/26/20 14:00
Date Received: 03/26/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 127,608.3
Analytical Date: 04/01/20 12:38
Analyst: AWS

Extraction Method: EPA 608.3
Extraction Date: 04/01/20 02:51
Cleanup Method: EPA 3665A
Cleanup Date: 04/01/20
Cleanup Method: EPA 3660B
Cleanup Date: 04/01/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.073	0.011	1	A
Aroclor 1221	ND		ug/l	0.073	0.016	1	A
Aroclor 1232	ND		ug/l	0.073	0.033	1	A
Aroclor 1242	ND		ug/l	0.073	0.026	1	A
Aroclor 1248	ND		ug/l	0.073	0.033	1	A
Aroclor 1254	ND		ug/l	0.073	0.012	1	A
Aroclor 1260	ND		ug/l	0.073	0.025	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	47		37-123	A
Decachlorobiphenyl	**19**	Q	38-114	A
2,4,5,6-Tetrachloro-m-xylene	50		37-123	B
Decachlorobiphenyl	**19**	Q	38-114	B

Project Name: WOLLENSACK OPTICAL
Lab Number: L2013565
Project Number: 2182207.13
Report Date: 04/02/20

SAMPLE RESULTS

Lab ID: L2013565-02
Client ID: WW-20200326-02-G-800GTANK
Sample Location: 886 HUDSON AVE., ROCHESTER, NY

Date Collected: 03/26/20 14:15
Date Received: 03/26/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 127,608.3
Analytical Date: 04/01/20 12:50
Analyst: AWS

Extraction Method: EPA 608.3
Extraction Date: 04/01/20 02:51
Cleanup Method: EPA 3665A
Cleanup Date: 04/01/20
Cleanup Method: EPA 3660B
Cleanup Date: 04/01/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.077	0.012	1	A
Aroclor 1221	ND		ug/l	0.077	0.017	1	A
Aroclor 1232	ND		ug/l	0.077	0.035	1	A
Aroclor 1242	ND		ug/l	0.077	0.028	1	A
Aroclor 1248	ND		ug/l	0.077	0.035	1	A
Aroclor 1254	ND		ug/l	0.077	0.013	1	A
Aroclor 1260	ND		ug/l	0.077	0.027	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	52		37-123	A
Decachlorobiphenyl	44		38-114	A
2,4,5,6-Tetrachloro-m-xylene	55		37-123	B
Decachlorobiphenyl	41		38-114	B

Project Name: WOLLENSACK OPTICAL
Project Number: 2182207.13
Lab Number: L2013565
Report Date: 04/02/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 127,608.3
Analytical Date: 03/31/20 15:52
Analyst: JAW

Extraction Method: EPA 608.3
Extraction Date: 03/30/20 09:09
Cleanup Method: EPA 3665A
Cleanup Date: 03/31/20
Cleanup Method: EPA 3660B
Cleanup Date: 03/31/20

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01 Batch: WG1356351-1						
Aroclor 1016	ND		ug/l	0.050	0.008	A
Aroclor 1221	ND		ug/l	0.050	0.011	A
Aroclor 1232	ND		ug/l	0.050	0.023	A
Aroclor 1242	ND		ug/l	0.050	0.018	A
Aroclor 1248	ND		ug/l	0.050	0.023	A
Aroclor 1254	ND		ug/l	0.050	0.008	A
Aroclor 1260	ND		ug/l	0.050	0.017	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		37-123	A
Decachlorobiphenyl	55		38-114	A
2,4,5,6-Tetrachloro-m-xylene	76		37-123	B
Decachlorobiphenyl	50		38-114	B

Project Name: WOLLENSACK OPTICAL
Project Number: 2182207.13
Lab Number: L2013565
Report Date: 04/02/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 127,608.3
Analytical Date: 04/01/20 13:02
Analyst: JAW

Extraction Method: EPA 608.3
Extraction Date: 04/01/20 02:51
Cleanup Method: EPA 3665A
Cleanup Date: 04/01/20
Cleanup Method: EPA 3660B
Cleanup Date: 04/01/20

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-02 Batch: WG1357033-1						
Aroclor 1016	ND		ug/l	0.050	0.008	A
Aroclor 1221	ND		ug/l	0.050	0.011	A
Aroclor 1232	ND		ug/l	0.050	0.023	A
Aroclor 1242	ND		ug/l	0.050	0.018	A
Aroclor 1248	ND		ug/l	0.050	0.023	A
Aroclor 1254	ND		ug/l	0.050	0.008	A
Aroclor 1260	ND		ug/l	0.050	0.017	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58		37-123	A
Decachlorobiphenyl	62		38-114	A
2,4,5,6-Tetrachloro-m-xylene	58		37-123	B
Decachlorobiphenyl	54		38-114	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: WOLLENSACK OPTICAL

Project Number: 2182207.13

Lab Number: L2013565

Report Date: 04/02/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01 Batch: WG1356351-2									
Aroclor 1016	75		-		50-140	-		36	A
Aroclor 1260	63		-		8-140	-		38	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72				37-123	A
Decachlorobiphenyl	53				38-114	A
2,4,5,6-Tetrachloro-m-xylene	67				37-123	B
Decachlorobiphenyl	46				38-114	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: WOLLENSACK OPTICAL
Project Number: 2182207.13
Lab Number: L2013565
Report Date: 04/02/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG1357033-2									
Aroclor 1016	55		-		50-140	-		36	A
Aroclor 1260	49		-		8-140	-		38	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	53				37-123	A
Decachlorobiphenyl	46				38-114	A
2,4,5,6-Tetrachloro-m-xylene	52				37-123	B
Decachlorobiphenyl	40				38-114	B

METALS

Project Name: WOLLENSACK OPTICAL **Lab Number:** L2013565

Project Number: 2182207.13 **Report Date:** 04/02/20

SAMPLE RESULTS

Lab ID: L2013565-01 Date Collected: 03/26/20 14:00

Client ID: WW-20200326-01-G-1000GTANK Date Received: 03/26/20

Sample Location: 886 HUDSON AVE., ROCHESTER, NY Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5.68		mg/l	0.100	0.032	1	03/30/20 09:34	04/01/20 18:00	EPA 3005A	19,200.7	BV
Antimony, Total	ND		mg/l	0.050	0.007	1	03/30/20 09:34	04/01/20 17:42	EPA 3005A	19,200.7	BV
Arsenic, Total	0.016		mg/l	0.005	0.002	1	03/30/20 09:34	04/01/20 17:42	EPA 3005A	19,200.7	BV
Barium, Total	0.058		mg/l	0.010	0.002	1	03/30/20 09:34	04/01/20 17:42	EPA 3005A	19,200.7	BV
Beryllium, Total	ND		mg/l	0.005	0.001	1	03/30/20 09:34	04/01/20 17:42	EPA 3005A	19,200.7	BV
Cadmium, Total	ND		mg/l	0.005	0.001	1	03/30/20 09:34	04/01/20 17:42	EPA 3005A	19,200.7	BV
Calcium, Total	89.7		mg/l	0.100	0.035	1	03/30/20 09:34	04/01/20 17:42	EPA 3005A	19,200.7	BV
Chromium, Total	0.017		mg/l	0.010	0.002	1	03/30/20 09:34	04/01/20 17:42	EPA 3005A	19,200.7	BV
Cobalt, Total	0.009	J	mg/l	0.020	0.002	1	03/30/20 09:34	04/01/20 17:42	EPA 3005A	19,200.7	BV
Copper, Total	0.024		mg/l	0.010	0.002	1	03/30/20 09:34	04/01/20 17:42	EPA 3005A	19,200.7	BV
Iron, Total	8.39		mg/l	0.050	0.009	1	03/30/20 09:34	04/01/20 17:42	EPA 3005A	19,200.7	BV
Lead, Total	0.020		mg/l	0.010	0.003	1	03/30/20 09:34	04/01/20 17:42	EPA 3005A	19,200.7	BV
Magnesium, Total	11.7		mg/l	0.100	0.015	1	03/30/20 09:34	04/01/20 17:42	EPA 3005A	19,200.7	BV
Manganese, Total	0.197		mg/l	0.010	0.002	1	03/30/20 09:34	04/01/20 17:42	EPA 3005A	19,200.7	BV
Mercury, Total	ND		mg/l	0.00020	0.00009	1	03/30/20 09:57	03/31/20 10:55	EPA 245.1	3,245.1	GD
Nickel, Total	0.012	J	mg/l	0.025	0.002	1	03/30/20 09:34	04/01/20 17:42	EPA 3005A	19,200.7	BV
Potassium, Total	62.8		mg/l	2.50	0.237	1	03/30/20 09:34	04/01/20 17:42	EPA 3005A	19,200.7	BV
Selenium, Total	ND		mg/l	0.010	0.004	1	03/30/20 09:34	04/01/20 17:42	EPA 3005A	19,200.7	BV
Silver, Total	ND		mg/l	0.007	0.003	1	03/30/20 09:34	04/01/20 17:42	EPA 3005A	19,200.7	BV
Sodium, Total	122		mg/l	2.00	0.120	1	03/30/20 09:34	04/01/20 18:00	EPA 3005A	19,200.7	BV
Thallium, Total	ND		mg/l	0.020	0.003	1	03/30/20 09:34	04/01/20 17:42	EPA 3005A	19,200.7	BV
Vanadium, Total	0.028		mg/l	0.010	0.002	1	03/30/20 09:34	04/01/20 17:42	EPA 3005A	19,200.7	BV
Zinc, Total	0.055		mg/l	0.050	0.002	1	03/30/20 09:34	04/01/20 17:42	EPA 3005A	19,200.7	BV

Project Name: WOLLENSACK OPTICAL
Lab Number: L2013565
Project Number: 2182207.13
Report Date: 04/02/20

SAMPLE RESULTS

Lab ID: L2013565-02
Client ID: WW-20200326-02-G-800GTANK
Sample Location: 886 HUDSON AVE., ROCHESTER, NY
Date Collected: 03/26/20 14:15
Date Received: 03/26/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	131		mg/l	0.200	0.064	1	03/30/20 09:34	04/01/20 18:05	EPA 3005A	19,200.7	BV
Antimony, Total	ND		mg/l	0.100	0.014	1	03/30/20 09:34	04/01/20 17:47	EPA 3005A	19,200.7	BV
Arsenic, Total	0.147		mg/l	0.010	0.004	1	03/30/20 09:34	04/01/20 17:47	EPA 3005A	19,200.7	BV
Barium, Total	1.74		mg/l	0.020	0.004	1	03/30/20 09:34	04/01/20 17:47	EPA 3005A	19,200.7	BV
Beryllium, Total	0.008	J	mg/l	0.010	0.002	1	03/30/20 09:34	04/01/20 17:47	EPA 3005A	19,200.7	BV
Cadmium, Total	ND		mg/l	0.010	0.002	1	03/30/20 09:34	04/01/20 17:47	EPA 3005A	19,200.7	BV
Calcium, Total	3520		mg/l	0.200	0.070	1	03/30/20 09:34	04/01/20 17:47	EPA 3005A	19,200.7	BV
Chromium, Total	0.461		mg/l	0.020	0.004	1	03/30/20 09:34	04/01/20 17:47	EPA 3005A	19,200.7	BV
Cobalt, Total	0.303		mg/l	0.040	0.003	1	03/30/20 09:34	04/01/20 17:47	EPA 3005A	19,200.7	BV
Copper, Total	0.673		mg/l	0.020	0.004	1	03/30/20 09:34	04/01/20 17:47	EPA 3005A	19,200.7	BV
Iron, Total	310		mg/l	0.100	0.018	1	03/30/20 09:34	04/01/20 17:47	EPA 3005A	19,200.7	BV
Lead, Total	0.462		mg/l	0.020	0.005	1	03/30/20 09:34	04/01/20 17:47	EPA 3005A	19,200.7	BV
Magnesium, Total	534		mg/l	0.200	0.031	1	03/30/20 09:34	04/01/20 17:47	EPA 3005A	19,200.7	BV
Manganese, Total	12.0		mg/l	0.020	0.003	1	03/30/20 09:34	04/01/20 17:47	EPA 3005A	19,200.7	BV
Mercury, Total	0.00047		mg/l	0.00020	0.00009	1	03/30/20 09:57	03/31/20 11:02	EPA 245.1	3,245.1	GD
Nickel, Total	0.354		mg/l	0.050	0.005	1	03/30/20 09:34	04/01/20 17:47	EPA 3005A	19,200.7	BV
Potassium, Total	106		mg/l	5.00	0.474	1	03/30/20 09:34	04/01/20 17:47	EPA 3005A	19,200.7	BV
Selenium, Total	0.016	J	mg/l	0.020	0.007	1	03/30/20 09:34	04/01/20 17:47	EPA 3005A	19,200.7	BV
Silver, Total	ND		mg/l	0.014	0.006	1	03/30/20 09:34	04/01/20 17:47	EPA 3005A	19,200.7	BV
Sodium, Total	131		mg/l	4.00	0.240	1	03/30/20 09:34	04/01/20 17:47	EPA 3005A	19,200.7	BV
Thallium, Total	0.008	J	mg/l	0.040	0.005	1	03/30/20 09:34	04/01/20 17:47	EPA 3005A	19,200.7	BV
Vanadium, Total	0.192		mg/l	0.020	0.004	1	03/30/20 09:34	04/01/20 17:47	EPA 3005A	19,200.7	BV
Zinc, Total	2.13		mg/l	0.100	0.004	1	03/30/20 09:34	04/01/20 17:47	EPA 3005A	19,200.7	BV

Project Name: WOLLENSACK OPTICAL **Lab Number:** L2013565

Project Number: 2182207.13 **Report Date:** 04/02/20

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-02 Batch: WG1355888-1										
Aluminum, Total	ND		mg/l	0.100	0.032	1	03/30/20 09:34	04/01/20 17:36	19,200.7	BV
Antimony, Total	ND		mg/l	0.050	0.007	1	03/30/20 09:34	04/01/20 17:02	19,200.7	BV
Arsenic, Total	ND		mg/l	0.005	0.002	1	03/30/20 09:34	04/01/20 17:02	19,200.7	BV
Barium, Total	ND		mg/l	0.010	0.002	1	03/30/20 09:34	04/01/20 17:02	19,200.7	BV
Beryllium, Total	ND		mg/l	0.005	0.001	1	03/30/20 09:34	04/01/20 17:02	19,200.7	BV
Cadmium, Total	ND		mg/l	0.005	0.001	1	03/30/20 09:34	04/01/20 17:02	19,200.7	BV
Calcium, Total	ND		mg/l	0.100	0.035	1	03/30/20 09:34	04/01/20 17:02	19,200.7	BV
Chromium, Total	ND		mg/l	0.010	0.002	1	03/30/20 09:34	04/01/20 17:02	19,200.7	BV
Cobalt, Total	ND		mg/l	0.020	0.002	1	03/30/20 09:34	04/01/20 17:02	19,200.7	BV
Copper, Total	ND		mg/l	0.010	0.002	1	03/30/20 09:34	04/01/20 17:02	19,200.7	BV
Iron, Total	ND		mg/l	0.050	0.009	1	03/30/20 09:34	04/01/20 17:02	19,200.7	BV
Lead, Total	ND		mg/l	0.010	0.003	1	03/30/20 09:34	04/01/20 17:02	19,200.7	BV
Magnesium, Total	ND		mg/l	0.100	0.015	1	03/30/20 09:34	04/01/20 17:02	19,200.7	BV
Manganese, Total	ND		mg/l	0.010	0.002	1	03/30/20 09:34	04/01/20 17:02	19,200.7	BV
Nickel, Total	ND		mg/l	0.025	0.002	1	03/30/20 09:34	04/01/20 17:02	19,200.7	BV
Potassium, Total	ND		mg/l	2.50	0.237	1	03/30/20 09:34	04/01/20 17:02	19,200.7	BV
Selenium, Total	ND		mg/l	0.010	0.004	1	03/30/20 09:34	04/01/20 17:02	19,200.7	BV
Silver, Total	ND		mg/l	0.007	0.003	1	03/30/20 09:34	04/01/20 17:02	19,200.7	BV
Sodium, Total	ND		mg/l	2.00	0.120	1	03/30/20 09:34	04/01/20 17:02	19,200.7	BV
Thallium, Total	ND		mg/l	0.020	0.003	1	03/30/20 09:34	04/01/20 17:02	19,200.7	BV
Vanadium, Total	ND		mg/l	0.010	0.002	1	03/30/20 09:34	04/01/20 17:02	19,200.7	BV
Zinc, Total	ND		mg/l	0.050	0.002	1	03/30/20 09:34	04/01/20 17:02	19,200.7	BV

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-02 Batch: WG1355891-1										
Mercury, Total	ND		mg/l	0.00020	0.00009	1	03/30/20 09:57	03/31/20 10:50	3,245.1	GD

Project Name: WOLLENSACK OPTICAL
Lab Number: L2013565
Project Number: 2182207.13
Report Date: 04/02/20

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 245.1

Lab Control Sample Analysis

Batch Quality Control

Project Name: WOLLENSACK OPTICAL

Project Number: 2182207.13

Lab Number: L2013565

Report Date: 04/02/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG1355888-2								
Aluminum, Total	103		-		85-115	-		
Antimony, Total	101		-		85-115	-		
Arsenic, Total	108		-		85-115	-		
Barium, Total	101		-		85-115	-		
Beryllium, Total	103		-		85-115	-		
Cadmium, Total	103		-		85-115	-		
Calcium, Total	102		-		85-115	-		
Chromium, Total	102		-		85-115	-		
Cobalt, Total	101		-		85-115	-		
Copper, Total	96		-		85-115	-		
Iron, Total	103		-		85-115	-		
Lead, Total	106		-		85-115	-		
Magnesium, Total	106		-		85-115	-		
Manganese, Total	89		-		85-115	-		
Nickel, Total	102		-		85-115	-		
Potassium, Total	101		-		85-115	-		
Selenium, Total	108		-		85-115	-		
Silver, Total	100		-		85-115	-		
Sodium, Total	99		-		85-115	-		
Thallium, Total	107		-		85-115	-		
Vanadium, Total	101		-		85-115	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: WOLLENSACK OPTICAL

Project Number: 2182207.13

Lab Number: L2013565

Report Date: 04/02/20

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG1355888-2					
Zinc, Total	105	-	85-115	-	
Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG1355891-2					
Mercury, Total	97	-	85-115	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: WOLLENSACK OPTICAL
Project Number: 2182207.13

Lab Number: L2013565
Report Date: 04/02/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1355888-3 QC Sample: L2013228-01 Client ID: MS Sample												
Aluminum, Total	4.90	2	7.08	109		-	-		75-125	-		20
Antimony, Total	ND	0.5	0.541	108		-	-		75-125	-		20
Arsenic, Total	0.002J	0.12	0.140	117		-	-		75-125	-		20
Barium, Total	0.204	2	2.26	103		-	-		75-125	-		20
Beryllium, Total	ND	0.05	0.050	99		-	-		75-125	-		20
Cadmium, Total	ND	0.051	0.051	99		-	-		75-125	-		20
Calcium, Total	552	10	566	**140**	Q	-	-		75-125	-		20
Chromium, Total	0.055	0.2	0.252	99		-	-		75-125	-		20
Cobalt, Total	0.002J	0.5	0.483	97		-	-		75-125	-		20
Copper, Total	ND	0.25	0.247	99		-	-		75-125	-		20
Iron, Total	3.57	1	4.57	100		-	-		75-125	-		20
Lead, Total	0.007J	0.51	0.514	101		-	-		75-125	-		20
Magnesium, Total	3.06	10	12.6	95		-	-		75-125	-		20
Manganese, Total	0.100	0.5	0.533	87		-	-		75-125	-		20
Nickel, Total	0.013J	0.5	0.493	99		-	-		75-125	-		20
Potassium, Total	72.4	10	83.7	113		-	-		75-125	-		20
Selenium, Total	ND	0.12	0.138	115		-	-		75-125	-		20
Silver, Total	ND	0.05	0.052	103		-	-		75-125	-		20
Sodium, Total	53.8	10	64.7	109		-	-		75-125	-		20
Thallium, Total	ND	0.12	0.114	95		-	-		75-125	-		20
Vanadium, Total	0.025	0.5	0.529	101		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: WOLLENSACK OPTICAL
Project Number: 2182207.13

Lab Number: L2013565
Report Date: 04/02/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1355888-3 QC Sample: L2013228-01 Client ID: MS Sample									
Zinc, Total	0.047J	0.5	0.552	110	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1355891-3 QC Sample: L2013565-01 Client ID: WW-20200326-01-G-1000GTANK									
Mercury, Total	ND	0.005	0.00494	99	-	-	70-130	-	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: WOLLENSACK OPTICAL

Project Number: 2182207.13

Lab Number: L2013565

Report Date: 04/02/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1355888-4 QC Sample: L2013228-01 Client ID: DUP Sample						
Calcium, Total	552	550	mg/l	0		20
Magnesium, Total	3.06	3.11	mg/l	2		20
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1355891-4 QC Sample: L2013565-01 Client ID: WW-20200326-01-G-1000GTANK						
Mercury, Total	ND	ND	mg/l	NC		20

Project Name: WOLLENSACK OPTICAL
Project Number: 2182207.13

Lab Number: L2013565
Report Date: 04/02/20

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2013565-01A	Vial Na2S2O3 preserved	A	NA		4.8	Y	Absent		624.1(3)
L2013565-01B	Vial Na2S2O3 preserved	A	NA		4.8	Y	Absent		624.1(3)
L2013565-01C	Vial Na2S2O3 preserved	A	NA		4.8	Y	Absent		624.1(3)
L2013565-01D	Plastic 250ml HNO3 preserved	A	<2	<2	4.8	Y	Absent		NI-UI(180),SB-UI(180),CU-TI-PPB(180),BA-UI(180),CA-UI(180),HG-T-PPB(28),CA-TI-PPB(180),ZN-UI(180),AG-UI(180),AS-TI-PPB(180),BA-TI-PPB(180),CO-TI-PPB(180),CO-UI(180),K-UI(180),AL-TI-PPB(180),MG-TI-PPB(180),SE-TI-PPB(180),SE-UI(180),FE-UI(180),MG-UI(180),CD-TI-PPB(180),V-TI-PPB(180),ZN-TI-PPB(180),HG-U(28),K-TI-PPB(180),NA-TI-PPB(180),SB-TI-PPB(180),AG-TI-PPB(180),CD-UI(180),CR-UI(180),FE-TI-PPB(180),AL-UI(180),BE-UI(180),PB-TI-PPB(180),TL-TI-PPB(180),MN-UI(180),NA-UI(180),NI-TI-PPB(180),CR-TI-PPB(180),AS-UI(180),BE-TI-PPB(180),V-UI(180),TL-UI(180),MN-TI-PPB(180),PB-UI(180),CU-UI(180)
L2013565-01E	Amber 1000ml Na2S2O3	A	11	11	4.8	Y	Absent		NYPCB-608-2L(7),625.1(7)
L2013565-01F	Amber 1000ml Na2S2O3	A	11	11	4.8	Y	Absent		NYPCB-608-2L(7),625.1(7)
L2013565-01G	Amber 1000ml Na2S2O3	A	11	11	4.8	Y	Absent		NYPCB-608-2L(7),625.1(7)
L2013565-01H	Amber 1000ml Na2S2O3	A	11	11	4.8	Y	Absent		NYPCB-608-2L(7),625.1(7)
L2013565-01I	Amber 1000ml Na2S2O3	A	11	11	4.8	Y	Absent		NYPCB-608-2L(7),625.1(7)
L2013565-01J	Amber 1000ml Na2S2O3	A	11	11	4.8	Y	Absent		NYPCB-608-2L(7),625.1(7)
L2013565-02A	Vial Na2S2O3 preserved	A	NA		4.8	Y	Absent		624.1(3)
L2013565-02B	Vial Na2S2O3 preserved	A	NA		4.8	Y	Absent		624.1(3)
L2013565-02C	Vial Na2S2O3 preserved	A	NA		4.8	Y	Absent		624.1(3)

*Values in parentheses indicate holding time in days

Project Name: WOLLENSACK OPTICAL
Project Number: 2182207.13

Lab Number: L2013565
Report Date: 04/02/20

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2013565-02D	Plastic 500ml HNO3 preserved	A	7	7	4.8	N	Absent		NI-UI(180),CU-TI-PPB(180),SB-UI(180),BA-UI(180),HG-T-PPB(28),CA-TI-PPB(180),CA-UI(180),ZN-UI(180),AG-UI(180),CO-TI-PPB(180),AS-TI-PPB(180),CO-UI(180),BA-TI-PPB(180),K-UI(180),AL-TI-PPB(180),MG-TI-PPB(180),SE-TI-PPB(180),MG-UI(180),CD-TI-PPB(180),FE-UI(180),SE-UI(180),V-TI-PPB(180),ZN-TI-PPB(180),K-TI-PPB(180),NA-TI-PPB(180),SB-TI-PPB(180),HG-U(28),CD-UI(180),AG-TI-PPB(180),TL-TI-PPB(180),PB-TI-PPB(180),AL-UI(180),BE-UI(180),FE-TI-PPB(180),MN-UI(180),CR-UI(180),NA-UI(180),AS-UI(180),BE-TI-PPB(180),TL-UI(180),V-UI(180),MN-TI-PPB(180),CR-TI-PPB(180),CU-UI(180),NI-TI-PPB(180),PB-UI(180)
L2013565-02E	Amber 1000ml Na2S2O3	A	11	11	4.8	Y	Absent		NYPCB-608-2L(7),625.1(7)
L2013565-02F	Amber 1000ml Na2S2O3	A	11	11	4.8	Y	Absent		NYPCB-608-2L(7),625.1(7)
L2013565-02G	Amber 1000ml Na2S2O3	A	11	11	4.8	Y	Absent		NYPCB-608-2L(7),625.1(7)
L2013565-02H	Amber 1000ml Na2S2O3	A	11	11	4.8	Y	Absent		NYPCB-608-2L(7),625.1(7)
L2013565-02I	Amber 1000ml Na2S2O3	A	11	11	4.8	Y	Absent		NYPCB-608-2L(7),625.1(7)
L2013565-02J	Amber 1000ml Na2S2O3	A	11	11	4.8	Y	Absent		NYPCB-608-2L(7),625.1(7)
L2013565-03A	Vial Na2S2O3 preserved	A	NA		4.8	Y	Absent		CANCELLED()
L2013565-03B	Vial Na2S2O3 preserved	A	NA		4.8	Y	Absent		CANCELLED()

*Values in parentheses indicate holding time in days

Project Name:	WOLLENSACK OPTICAL	**Lab Number:**	L2013565
Project Number:	2182207.13	**Report Date:**	04/02/20

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

Report Format: DU Report with 'J' Qualifiers

Project Name:	WOLLENSACK OPTICAL	**Lab Number:**	L2013565
Project Number:	2182207.13	**Report Date:**	04/02/20

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration

Project Name:	WOLLENSACK OPTICAL	**Lab Number:**	L2013565
Project Number:	2182207.13	**Report Date:**	04/02/20

Data Qualifiers

Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Report Format: DU Report with 'J' Qualifiers

Project Name:	WOLLENSACK OPTICAL	**Lab Number:**	L2013565
Project Number:	2182207.13	**Report Date:**	04/02/20

REFERENCES

3 Methods for the Determination of Metals in Environmental Samples, Supplement I. EPA/600/R-94/111. May 1994.

19 Inductively Coupled Plasma Atomic Emission Spectrometric Method for Trace Element Analysis of Water and Wastes. Appendix C, Part 136, 40 CFR (Code of Federal Regulations). July 1, 1999 edition.

127 Method 608.3: Organochlorine Pesticides and PCBs by GC/HSD, EPA 821-R-16-009, December 2016.

128 Method 624.1: Purgeables by GC/MS, EPA 821-R-16-008, December 2016.

129 Method 625.1: Base/Neutrals and Acids by GC/MS, EPA 821-R-16-007, December 2016.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
EPA TO-12 Non-methane organics
EPA 3C Fixed gases
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581 — 8 Walkup Dr. — TEL: 508-898-9220 — FAX: 508-898-9193

Mansfield, MA 02048 — 320 Forbes Blvd — TEL: 508-822-9300 — FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 03/27/20

ALPHA Job #: L2013565

Client Information

Client: LaBella
Address: 300 State Street Rochester NY
Phone: 585-454-6110
Fax: AdoSilva@LaBellapc.com
Email: mpelychaty@labellapc.com

Project Information

Project Name: Wollensack optical
Project Location: 886 Hudson Ave Rochester NY
Project # 2182207.13
(Use Project name as Project #)
Project Manager: Mike Pelychaty
ALPHAQuote #:

Turn-Around Time

Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

Deliverables

☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement

☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information

☒ Same as Client Info
PO #

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☒ NY
☐ Other:

ANALYSIS

Sample Filtration
☐ Done
☒ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC EPA 624.1	NY PCB - EPA 608.3	TOTAL PPB Metals EPA 200.7/245.2	ACID/BASE/Neutral Extractables - EPA 625.1	625.1				Sample Specific Comments	Total Bottle
13565-01	WW-20200326-01-G-1000GTANK	3/26/2020	1400	GW	AM	X	X	X	X						10
-02	WW-20200326-02-G-500GTANK	↓	1415	GW	AM	X	X	X	X						10
-03	TRIPBLANK-20200326	↓	0800	DW	AM	X									2

MLD 03/27/2020

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type	A	P	A
Preservative			

Relinquished By:	Date/Time	Received By:	Date/Time
	3/26/20 1700		3/27/20 1700
	3/26/20 1700		3/27/20 0025

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

Radiation Waste Disposal Documentation

Page 1: Bill of Lading for LSA-I

STRAIGHT BILL OF LADING - SHORT FORM- Original - Not Negotiable Shippers BOL # 2020--Wol-01 (cont#-pad-date-gen)

Carrier 1 IPC Services
Carrier 2 N/A

Received subject to the classification and tariffs in effect on the date of this Bill of Lading.

at ____ ____ AM/PM date ___/___/___ from ____

the property described below, in apparent good order, except as noted (contents and conditions of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any persons or corporation in possession of the property under this contract) agrees to carry to its place of delivery at said destination, if on its own water line otherwise to deliver to another carrier on the route to said destination, and as to each party at any time interested in all or any of said property, that every service tobe performed shall be subject to all the conditions not prohibited by law, whether printed or written, herein contained, (as specified in Uniform Domestic Straight Bill of Lading set forth in Uniform Freight Classification in effect on the date hereof) which are hereby agreed to by the shipper and himself and his assigns.

(Mail or street address of consignee - for notification)

TO:	FROM:
Austin Master Services LLC 801 North 1st St. Martins Ferry OH 43935	882 Hudson Street Rochester, NY

Route: Various

1st Tractor #	1st Trailer Number	USDOT #.	1.69198E+11
2nd Tractor #	2nd Trailer Number		

No of Packages	HM (X)	Description of Articles, Special Marks and Exceptions	Hazard Class	ID No.	RQ	Weight (Subject to Correction)	Label(s) Required
7	X	Radioactive Material, LSA-I, n.o.s. TENORM Waste Nuclide: Th-232 (Nat) pCi/g: 2240 mCi: 0.7 MBq: 26 OK to Ship	7	UN 2912		lb. Gross 1,000 lb. Net 660	Bulk Cargo 2912

Emergency Response Telephone Number:

585-704-2744

Monitored at all times the Hazardous Material is in transportation including storage incidental to transportation (172.604)

PLACARDS REQUIRED? YES

PLACARDS SUPPLIED? Radioactive LSA

This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation

Generator Jefferson Wollensack LLC
312 State Street
Rochester, NY 14614

Per: ____ Date: ____

Transporter 1:

X [signature] Per: ____ Date: 2-7-20

Transporter 2:

Per: ____ Date:

AMS Facility Owner or Operator: Certification of Receipt of material covered by this manifest

→ Signature Carolyn Vitale

→ Date 2-7-2020

Joshua Posthewit SR
2-8-2020

Certificate of Disposal

Date of Certificate: March 17, 2020

EPA ID Number TXD988088464

Troy Mazur
Austin Master Services, LLC
801 North First Street
Martins Ferry, OH 43935

Reference:

WCS Profile #:	**WP-8713**
Manifest(s):	**WP8713-0316**
Received On:	**March 16, 2020**

This is to certify that the waste shipped to WCS on the above mentioned manifest was disposed of on **March 16, 2020** in the WCS permitted hazardous waste landfill associated with the EPA ID Number above. Disposal is subject to all applicable licenses, permits and regulations.

Waste Control Specialists LLC is pleased to have the opportunity to provide you with the quality waste management services that you need. If you have any questions or need further assistance, please feel free to contact me at (432) 525-8726.

Sincerely,
WASTE CONTROL SPECIALISTS LLC

Tom Hannah
Technical Services Project Manager

FORM 540 — **Waste Control Specialists**

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST
SHIPPING PAPER

1. EMERGENCY TELEPHONE NUMBER (Include Area Code): 330-314-7786

ORGANIZATION: Austin Master Services

2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? ☑ YES ☐ NO

3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST: 1

4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? ☐ YES ☑ NO
If "Yes," provide Manifest Number: EPA MANIFEST NUMBER

5. SHIPPER – NAME AND FACILITY
Austin Master Services, LLC
801 North 1st Street
Martins Ferry, OH 43935

SHIPPER I.D. NUMBER: SR-2492-0052
☐ COLLECTOR
☐ PROCESSOR
☑ GENERATOR TYPE (Specify): 1

WCS Generator Certification ID: N/A
SHIPMENT NUMBER: SR-2492-0052

CONTACT: Troy Mazur
TELEPHONE NUMBER (Include Area Code): 740-609-3800

6. CARRIER – Name and Address
Wheeling & Lake Erie Railway
109 East First Street
Brewster, OH 44613

EPA I.D. NUMBER: OHD080158348
SHIPPING DATE: 02/18/2020

CONTACT: Ian Ross
TELEPHONE (Include Area Code): 330-767-7241

SIGNATURE – *Authorized carrier acknowledging waste receipt*
DATE

7. FORM 540 AND 540A — PAGE 1 OF 1 PAGE(S)
FORM 541 AND 541A — 1 PAGE(S)
FORM 542 AND 542A — None PAGE(S)
ADDITIONAL INFORMATION — 1 PAGE(S)

8. MANIFEST NUMBER (Use this number on all continuation pages): WP8713-0316

9. CONSIGNEE – Name and Facility
Waste Control Specialists, LLC
TSD Facility
9998 W. State Hwy. 176
Andrews, TX 79714

CONTACT: Keri Gonzalez
TELEPHONE (Include Area Code): 432-525-8500

SIGNATURE – *Authorized consignee acknowledging waste receipt*
DATE: 3.16.20

10. CERTIFICATION
This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.

AUTHORIZED SIGNATURE
TITLE: RSO
DATE: 2/18/2020

11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)	12. DOT LABEL "RADIOACTIVE"	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. INDIVIDUAL RADIONUCLIDES		16. TOTAL PACKAGE ACTIVITY MBq	16. TOTAL PACKAGE ACTIVITY mCi	17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
UN 2912, Radioactive material, low specific activity (LSA-I), 7, WP8713	NA	NA	Solid Oxide	Ra-226	Ra-228	2.4044E+03	6.4983E+01	LSA-I	200000 LBS; 2600 FT3	CIGX804058-02

FOR CONSIGNEE USE ONLY
The original signed manifest resides with:

____ Record Waste Description Inadequate
____ Contamination or Leakage Detected
____ Unexpected Exposure Rates Detected
____ Labels, Markings, etc. Inadequate
____ Container Integrity Inadequate
____ Other
____ No Violations Detected on this Shipment

20.

FORM 540 (03-06)

FORM 541 — Waste Control Specialists

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION

Additional Nuclear Regulatory Commission (NRC) Requirements for Control, Transfer and Disposal of Radioactive Waste

1. MANIFEST TOTALS

NUMBER OF PACKAGES/ DISPOSAL CONTAINERS	NET WASTE VOLUME	NET WASTE WEIGHT	SPECIAL NUCLEAR MATERIAL (grams) U-233	U-235	Pu	Total
1	m3 73.54 / ft3 2597.00	kg 90264.89 / lb 199000.00	NP	NP	NP	NP

ACTIVITY	ALL NUCLIDES	TRITIUM	C-14	Tc-99	I-129	SOURCE	
MBq	2.4044E+03	NP	NP	NP	NP	(kg)	NA
mCi	6.4983E+01	NP	NP	NP	NP	(lb)	NA

2. MANIFEST NUMBER: WP8713-0316

3. PAGE 1 OF 1 PAGE(S)

4. SHIPPER NAME: Austin Master Services, LLC

SHIPMENT ID NUMBER: SR-2492-0062

DISPOSAL CONTAINER DESCRIPTION / WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER

5. CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m3) / (ft3)	8. WASTE AND CONTAINER WEIGHT (kg) / (lb)	9. SURFACE RADIATION LEVEL (mSv/hr) (mrem/hr)	10. SURFACE CONTAMINATION (MBq/100 cm2) (dpm/100cm2) ALPHA	BETA-GAMMA	11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3) / (FT3)	13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3)	14. CHEMICAL DESCRIPTION: CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	15. RADIOLOGICAL DESCRIPTION: INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT — RADIONUCLIDES	pCi/gm	MBq	mCi	16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C
CtGX804058-02/WP8713	19 IP-1 Superload Wrapper	73.62	90713.48	9.5100E-03	2.8390E-07	2.4048E-06	22,26-H	73.54	100 100-S	Oxide/None	0	Ra-226	6.40965E+02	2.1407E+03	5.7856E+01	AU
		2600.00	200000.00	9.5100E-01	1.7000E+01	1.4400E+02		2597.00				Ra-228	7.89615E+01	2.6371E+02	7.1274E+00	
												Subtotal		2.4044E+03	6.4983E+01	
												Total		2.4044E+03	6.4983E+01	
Shipment Totals		73.62	90713.48											2.4044E+03	6.4983E+01	
		2600.00	200000.00													

Note 1: Container Description Codes. For containers/ waste requiring disposal in approved structural over-packs the numerical code must be followed by "-OP."

1. Wooden Box or Crate
2. Metal Box
3. Plastic Drum or Pail
4. Metal Drum or Pail
5. Metal Tank or Liner
6. Concrete Tank or Liner
7. Polyethlene Tank or Liner
8. Fiberglass Tank or Liner
9. Demineralizer
10. Gas Cylinder
11. Bulk, Unpackaged Waste
12. Unpackaged Components
13. High Integrity Container
19. Other. Describe in Item 6, or additional page

Note 1A: Bulk Packaging Description Codes. (Choose one code as may be applicable.)

A Gondola
B Intermodal
C End-Dump
D Roll-off
E Seavan

NOTE 2: Waste Descriptor Codes. (Choose up to three which predominate by volume.)

20. Charcoal
21. Incinerator Ash
22. Soil
23. Gas
24. Oil
25. Aqueous Liquid
26. Filter Media
27. Mechanical Filter
28. EPA or State Hazardous
29. Demolition Rubble
30. Cation Ion-exchange Media
31. Anion Ion-exchange Media
32. Mixed Bed Ion-exchange Media
33. Contaminated Equipment
34. Organic Liquid (except oil)
35. Glassware or Labware
36. Sealed Source/Device
37. Paint or Plating
38. Evaporator Bottoms/Sludges/ Concentrates
39. Compactible Trash
40. Noncompactible Trash
41. Animal Carcass
42. Biological Material (except animal carcass)
43. Activated Material
59. Other. Describe in Item 11. or additional page

NOTE 2A: Specific Waste Descriptions (Choose all applicable codes.)

G Dewatered
H Solid
I Combustible
J Non-combustible
K Air Filtration Filters
L Asbestos

Note3: Solidification and Stabilization Media Codes. (Choose up to three which predominate by volume.) For media meeting disposal site structural stability requirements, the numerical code must be followed by "-S." and the media vendor and brand name must also be identified

In Item 13, Code 100=NONE REQUIRED.

Solidification
90. Cement
91. Concrete (encapsulation)
92. Bitumen
93. Vinyl Chloride
94. Vinyl Ester Styrene
99. Other, Describe in Item 13, or additional page
100. None Required.

FORM 541 (03-06)

Waste Control Specialists

ADDITIONAL NOTES

Manifest Number
WP8713-0316
PAGE 1

Transporter 1:
Wheeling and Lake Erie Railway
100 E. First St. Brewster Ohio 44613
330-767-7280
OHD080158348

Transporter 2:
CSX Transportation, Inc.
500 Water Street, 15t Floor
Jacksonville, FL 32202
504-359-3100
FLA006931340

Transporter 3:
Union Pacific Railroad Company
1400 Douglas Street
Omaha, NE 68179
800-992-5095
NED001792910

Transporter 4:
WATCO Companies, LLC (dba Texas and New Mexico Railway)
315 West 3rd Street
Pittsburg, KS 66762
520-231-2230
NMR000020255

Austin Master Services

AMS Martins Ferry Facility
801 N 1st St
Martins Ferry, OH 43935
740-609-3800

Non Oil and Gas Waste Profile

Todays Date

All red areas are required

Company Billing

Company Name: Jefferson Wollensack LLC
Billing Address:
312 State Street
Rochester NY, 14614
Billing Contact Name:
Phone:
Email:
PO Number:

Generator /Location

Generator Name: Jefferson Woolensack LLC
Site Address: 872-886 Hudson Avenue
City, State, Zip: Rochester NY 14614
County: Monroe
Project Contact: Jen Gillen
Phone: 585-295-6648
Email: jgillen@labellaPC.com
Project Name: Former Wollensack Optical

Material Description

Shipping Information

Estimated Quantity: Tons cu/yd Other: 50 Cubic Feet
Container Type: Drum
Anticipated Schedule: 2/7/20

Material Composition/Physical State

Liquids% 0
Sludge%
Debris% 90
Solids% 10

Flash Point: (•) N/A ( ) < than 140F ( ) 140-199F ( ) > than 200F
Analytical Attached? ( ) Yes ( ) No

Additional Information:

Regulatory Information

Does the waste stream described contain, in whole or in part, EPA hazardous waste? ( ) Yes (•) No

Is this material currently or ever been under a Radiological Materials License? (•) Yes ( ) No

Services Requested

Analaytical: ( ) Yes (•) No
Box Clean: ( ) Yes (•) No
Free Release Survey: ( ) Yes (•) No

(•) Transportation and Disposal (T & D) to Energy Solutions (ES) or Waste Control Specialists (WCS)
( ) Transpotation and Disposal to Local Landfill

AMS To ProvideTransportation to AMS: (•) Yes ( ) No

*ES and WCS are low level radiological disposal facilities and accept waste greater than 6.99 pCi/gm

1-30-2020
Generator/Authorized Representative
Vice Pres / Sec.

APPENDIX J

Request to Reuse Soil

Pelychaty,Mike

From: Theobald, Charlotte B (DEC) <charlotte.theobald@dec.ny.gov>
Sent: Tuesday, April 7, 2020 10:18 AM
To: Pelychaty,Mike; Gillen, Jennifer; Noll, Dan
Cc: Caffoe, Todd (DEC); Pratt, David (DEC); Wilkie, Henry (DEC)
Subject: Re: C828209 Former Wollensack Optical Site - Request For Reuse Injection Trench Soil

Mike:

The Department has reviewed the request to reuse on-site soils as backfill material in the trenches for the injection system. The Department understands that the backfill material will be placed below the slab of the existing building. In reviewing the concentration of TCE in the sample data for IWTRENCHREUSE-01-20200403 and DUPE-G-20200403 the concentration for TCE was 2.5 ppm and 4.6 ppm, respectively. The concentration of TCE exceeds the Site's soil cleanup objective (SCO) which is the protection of groundwater SCO for TCE at 0.47 ppm, not the restricted residential use SCO of 21 ppm.

Given the concentration of TCE in the proposed 50 cy of backfill material, the proposed 50 cy of backfill material cannot be reused on-site and must be disposed off-site at either permitted hazardous waste landfill or at a permitted landfill facility with an approved contained-in determination from the Department's Mr. Henry Wilkie.

If you have any questions or concerns regarding this e-mail or need further assistance with the Site, please feel free to e-mail.

Best Regards,
Charlotte

NOTE:
In response to the public health emergency for the COVID-19 virus, NYSDEC has directed that all non-essential State employees to not report to work. During this time, I will be working from home. The best method for contacting me will be via e-mail if you need assistance with the Site. Thank you for your understanding.

From: "Pelychaty,Mike" <mpelychaty@LaBellaPC.com>
Date: Tuesday, April 7, 2020 at 9:15 AM
To: "Theobald, Charlotte B (DEC)" <charlotte.theobald@dec.ny.gov>
Subject: RE: C828209 Former Wollensack Optical Site - Request For Reuse Injection Trench Soil

ATTENTION: This email came from an external source. Do not open attachments or click on links from unknown senders or unexpected emails.

Thanks Charlotte I am available by cell at 507-7198 if you would like to discuss.

Michael Pelychaty, PG
LaBella Associates | Sr. Environmental Geologist

585-295-6253 **direct**
585-454-6110 **office**

From: Theobald, Charlotte B (DEC) [mailto:charlotte.theobald@dec.ny.gov]
Sent: Tuesday, April 7, 2020 9:14 AM
To: Pelychaty,Mike <mpelychaty@LaBellaPC.com>
Subject: Re: C828209 Former Wollensack Optical Site - Request For Reuse Injection Trench Soil

Mike:

I am looking through the request. I will get you an answer as soon as I can.

Charlotte

From: "Pelychaty,Mike" <mpelychaty@LaBellaPC.com>
Date: Monday, April 6, 2020 at 9:07 PM
To: "Theobald, Charlotte B (DEC)" <charlotte.theobald@dec.ny.gov>
Subject: C828209 Former Wollensack Optical Site - Request For Reuse Injection Trench Soil

ATTENTION: This email came from an external source. Do not open attachments or click on links from unknown senders or unexpected emails.

,

Per our discussion is the material reuse request for the trench soil that it proposed to be reused for backfill within the injection piping trenches and covered with at least a 6" of concrete beneath the building slab to meet Track 4 cleanup requirements. The compounds TCE and manganese exceeded the Allowable Constituent Levels for Imported Fill or Soil Subdivision 5.4(e) for Restricted Residential Site and TCE is below the 6NYCRR Part 375-6.8(b) Restricted Use SCOs for a Restricted Residential site.

If possible, can you contact me tomorrow AM regarding the reuse of the soil, as we are at a point in construction where we need to understand whether this material can be reused on-site. Feel free to contact me at 507-7198 with any questions.

-Mike

Michael Pelychaty, PG
LaBella Associates | Sr. Environmental Geologist

585-295-6253 **direct**
585-454-6110 **office**
300 State Street, Suite 201
Rochester, NY 14614
labellapc.com

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Request to Import/Reuse Fill or Soil

This form is based on the information required by DER-10, Section 5.4(e). Use of this form is not a substitute for reading the applicable Technical Guidance document.

SECTION 1 – SITE BACKGROUND

The allowable site use is: Restricted Residential Use

Have Ecological Resources been identified? no

Is this soil originating from the site? yes

How many cubic yards of soil will be imported/reused? 0-50

If greater than 1000 cubic yards will be imported, enter volume to be imported: NA

SECTION 2 – MATERIAL OTHER THAN SOIL

Is the material to be imported gravel, rock or stone? Choose an item Not Applicable

Does it contain less than 10%, by weight, material that would pass a size 80 sieve? Choose an item Not Applicable

Is this virgin material from a permitted mine or quarry? Choose an item Not Applicable

Is this material recycled concrete or brick from a DEC registered processing facility? Choose an item Not Applicable

SECTION 3 - SAMPLING

Provide a brief description of the number and type of samples collected in the space below:

Soil consists of material that will be excavated on the 1st floor of the site building for the installation of the injection piping. Two composite samples were each collected from 4 discrete locations evenly spaced across trench/excavation area from approximately 0.5-2 ft below top of floor (the concrete floor is about 0.5 ft thick). The two grab samples are representative of the highest PID reading (i.e. 2.5 ppm and 1.3 ppm) from a total of 8 locations evenly spaced across trench/excavation area from 0.5-2 ft below top of floor.

Example Text: 5 discrete samples were collected and analyzed for VOCs. 2 composite samples were collected and analyzed for SVOCs, Inorganics & PCBs/Pesticides.

If the material meets requirements of DER-10 section 5.5 (other material), no chemical testing needed.

SECTION 3 CONT'D - SAMPLING

Provide a brief written summary of the sampling results or attach evaluation tables (compare to DER-10, Appendix 5):

Two grab samples were analyzed for VOCs plus 1,4-dioxane and the two composite samples were analyzed for SVOCs, Metals, PCBs, Pesticides, and PFAS (results not reported for PFAS at this time). See attached tables 1-5 for a summary of the results. The following compounds exceeded the Allowable Constituent Levels for Imported Fill or Soil Subdivision 5.4(e) for Restricted Residential Site:

-TCE (sample IWTRENCHREUSE-01-G-20200403 and DUPE-G-20200403)
-Manganese (sample IWTRENCHREUSE-01-G-20200403)

TCE was not detected at a concentration above the 6NYCRR Part 375-6.8(b) Restricted Use SCOs for a Restricted Residential site. The soil is intended to be reused as backfill within the trench excavations to install piping for the soil and groundwater treatment system and covered with 6" of concrete to meet Track 4 cleanup requirements.

Example Text: Arsenic was detected up to 17 ppm in 1 (of 5) samples; the allowable level is 16 ppm.

If Ecological Resources have been identified use the "If Ecological Resources are Present" column in Appendix 5.

SECTION 4 – SOURCE OF FILL

Name of person providing fill and relationship to the source:

NA.

Location where fill was obtained:

NA

Identification of any state or local approvals as a fill source:

NA

If no approvals are available, provide a brief history of the use of the property that is the fill source:

Provide a list of supporting documentation included with this request:

Lab Report - L2014553

The information provided on this form is accurate and complete.

Michael F. Pelychaty

Signature

4/6/2020

Date

Michael F. Pelychaty, P.G.

Print Name

LaBella Associates DPC

Firm

Table 1 - VOC Results
Request to Reuse Soil
Former Wollensack Optical - C828209
872 & 886 Hudson Avenue, Rochester, New York
LaBella Project #2182207

SAMPLE ID:	CAS #	Units	Allowable Constituent Levels for Imported Fill or Soil Subdivision 5.4(e) for Restricted Residential Site	6NYCRR Part 375-6.8(b) Restricted Use Soil Cleanup Objectives for a Restrucuted Residential Site	IWTRENCHREUSE-01-G-20200403			DUPE-G-20200403			IWTRENCHREUSE-02-G-20200403		
LAB ID:					L2014553-04			L2014553-05			L2014553-06		
COLLECTION DATE:					4/3/2020			4/3/2020			4/3/2020		
SAMPLE DEPTH:					1			1			1		
SAMPLE MATRIX:					SOIL			SOIL			SOIL		
					Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
Methylene chloride	75-09-2	mg/kg	0.05	100	0.15	U	0.15	0.16	U	0.16	0.0021	U	0.0021
1,1-Dichloroethane	75-34-3	mg/kg	0.27	26	0.0094	U	0.0094	0.01	U	0.01	0.00013	U	0.00013
Chloroform	67-66-3	mg/kg	0.37	49	0.012	J	0.0091	0.012	J	0.0097	0.00052	J	0.00013
Carbon tetrachloride	56-23-5	mg/kg	0.76	2.4	0.015	U	0.015	0.016	U	0.016	0.00021	U	0.00021
1,2-Dichloropropane	78-87-5	mg/kg	NL	NL	0.0081	U	0.0081	0.0087	U	0.0087	0.00011	U	0.00011
Dibromochloromethane	124-48-1	mg/kg	NL	NL	0.0091	U	0.0091	0.0097	U	0.0097	0.00013	U	0.00013
1,1,2-Trichloroethane	79-00-5	mg/kg	NL	NL	0.017	U	0.017	0.018	U	0.018	0.00024	U	0.00024
Tetrachloroethene	127-18-4	mg/kg	1.3	19	0.013	U	0.013	0.014	U	0.014	0.00027	J	0.00018
Chlorobenzene	108-90-7	mg/kg	1.1	100	0.0083	U	0.0083	0.0088	U	0.0088	0.00011	U	0.00011
Trichlorofluoromethane	75-69-4	mg/kg	NL	NL	0.045	U	0.045	0.048	U	0.048	0.00063	U	0.00063
1,2-Dichloroethane	107-06-2	mg/kg	0.02	3.1	0.017	U	0.017	0.018	U	0.018	0.00023	U	0.00023
1,1,1-Trichloroethane	71-55-6	mg/kg	0.68	100	0.011	U	0.011	0.012	U	0.012	0.00015	U	0.00015
Bromodichloromethane	75-27-4	mg/kg	NL	NL	0.0071	U	0.0071	0.0076	U	0.0076	0.0001	U	0.0001
trans-1,3-Dichloropropene	10061-02-6	mg/kg	NL	NL	0.018	U	0.018	0.019	U	0.019	0.00025	U	0.00025
cis-1,3-Dichloropropene	10061-01-5	mg/kg	NL	NL	0.01	U	0.01	0.011	U	0.011	0.00014	U	0.00014
Bromoform	75-25-2	mg/kg	NL	NL	0.016	U	0.016	0.017	U	0.017	0.00022	U	0.00022
1,1,2,2-Tetrachloroethane	79-34-5	mg/kg	NL	NL	0.011	U	0.011	0.012	U	0.012	0.00015	U	0.00015
Benzene	71-43-2	mg/kg	0.06	4.8	0.011	U	0.011	0.012	U	0.012	0.00015	U	0.00015
Toluene	108-88-3	mg/kg	0.7	100	0.035	U	0.035	0.038	U	0.038	0.00049	U	0.00049
Ethylbenzene	100-41-4	mg/kg	1	41	0.0092	U	0.0092	0.0098	U	0.0098	0.00013	U	0.00013
Chloromethane	74-87-3	mg/kg	NL	NL	0.061	U	0.061	0.065	U	0.065	0.00084	U	0.00084
Bromomethane	74-83-9	mg/kg	NL	NL	0.038	U	0.038	0.04	U	0.04	0.00052	U	0.00052
Vinyl chloride	75-01-4	mg/kg	0.02	0.9	0.022	U	0.022	0.023	U	0.023	0.0003	U	0.0003
Chloroethane	75-00-3	mg/kg	NL	NL	0.029	U	0.029	0.031	U	0.031	0.00041	U	0.00041
1,1-Dichloroethene	75-35-4	mg/kg	0.33	100	0.016	U	0.016	0.016	U	0.016	0.00022	U	0.00022
trans-1,2-Dichloroethene	156-60-5	mg/kg	0.19	100	0.0089	U	0.0089	0.0095	U	0.0095	0.00012	U	0.00012
Trichloroethene	79-01-6	mg/kg	0.47	21	**2.5**		0.0089	**4.6**		0.0095	0.028		0.00012
1,2-Dichlorobenzene	95-50-1	mg/kg	1.1	100	0.0094	U	0.0094	0.01	U	0.01	0.00013	U	0.00013
1,3-Dichlorobenzene	541-73-1	mg/kg	2.4	49	0.0096	U	0.0096	0.01	U	0.01	0.00013	U	0.00013
1,4-Dichlorobenzene	106-46-7	mg/kg	1.8	13	0.011	U	0.011	0.012	U	0.012	0.00015	U	0.00015
Methyl tert butyl ether	1634-04-4	mg/kg	0.93	100	0.013	U	0.013	0.014	U	0.014	0.00018	U	0.00018
p/m-Xylene	179601-23-1	mg/kg	NL	NL	0.036	U	0.036	0.039	U	0.039	0.00051	U	0.00051
o-Xylene	95-47-6	mg/kg	NL	NL	0.019	U	0.019	0.02	U	0.02	0.00026	U	0.00026
cis-1,2-Dichloroethene	156-59-2	mg/kg	0.25	100	0.011	U	0.011	0.012	U	0.012	0.00016	U	0.00016
Styrene	100-42-5	mg/kg	NL	NL	0.013	U	0.013	0.014	U	0.014	0.00018	U	0.00018
Dichlorodifluoromethane	75-71-8	mg/kg	NL	NL	0.06	U	0.06	0.063	U	0.063	0.00083	U	0.00083
Acetone	67-64-1	mg/kg	0.05	100	0.31	U	0.31	0.33	U	0.33	**0.65**	**J**	0.0044
Carbon disulfide	75-15-0	mg/kg	NL	NL	0.3	U	0.3	0.32	U	0.32	0.0041	U	0.0041
2-Butanone	78-93-3	mg/kg	0.12	100	0.14	U	0.14	**0.2**	**J**	0.15	0.03		0.002
4-Methyl-2-pentanone	108-10-1	mg/kg	NL	NL	0.083	U	0.083	0.089	U	0.089	0.0012	U	0.0012
2-Hexanone	591-78-6	mg/kg	NL	NL	0.077	U	0.077	0.082	U	0.082	0.0011	U	0.0011
Bromochloromethane	74-97-5	mg/kg	NL	NL	0.013	U	0.013	0.014	U	0.014	0.00018	U	0.00018
1,2-Dibromoethane	106-93-4	mg/kg	NL	NL	0.018	U	0.018	0.019	U	0.019	0.00025	U	0.00025
1,2-Dibromo-3-chloropropane	96-12-8	mg/kg	NL	NL	0.065	U	0.065	0.069	U	0.069	0.0009	U	0.0009
Isopropylbenzene	98-82-8	mg/kg	NL	NL	0.0071	U	0.0071	0.0076	U	0.0076	0.0001	U	0.0001
1,2,3-Trichlorobenzene	87-61-6	mg/kg	NL	NL	0.021	U	0.021	0.022	U	0.022	0.00029	U	0.00029
1,2,4-Trichlorobenzene	120-82-1	mg/kg	NL	NL	0.018	U	0.018	0.019	U	0.019	0.00025	U	0.00025
Methyl Acetate	79-20-9	mg/kg	NL	NL	0.062	U	0.062	0.066	U	0.066	0.00086	U	0.00086
Cyclohexane	110-82-7	mg/kg	NL	NL	0.035	U	0.035	0.038	U	0.038	0.00049	U	0.00049
1,4-Dioxane	123-91-1	mg/kg	0.1	13	2.3	U	2.3	2.4	U	2.4	0.032	U	0.032
Freon-113	76-13-1	mg/kg	NL	NL	0.045	U	0.045	0.048	U	0.048	0.00063	U	0.00063
Methyl cyclohexane	108-87-2	mg/kg	NL	NL	0.039	U	0.039	0.042	U	0.042	0.00054	U	0.00054
Total TIC Compounds		mg/kg	NL	NL	-		-	-		-	0.487	J	0

Notes:
Yellow Highlight indicates concentration above the Allowable Constituent Levels for Imported Fill or Soil Subdivision 5.4(e) for Restricted Residential Site indicates concentration above the Allowable Constituent Levels for Imported Fill or SoilSubdivision 5.4(e) for Restricted Residential Site
mg/kg - milligrams per kilogram
U denotes concentration not detected above the laboratory method detection limit
MDL - Method detection Limit
Q - Qualifier
Conc - Concentration
J - Result is estimated
TICs - Tentatively Identified Compounds
NL - Not Listed

Table 2 - SVOCs
Request to Reuse Soil
Former Wollensack Optical - C828209
872 & 886 Hudson Avenue, Rochester, New York
LaBella Project #2182207

SAMPLE ID:	CAS #	Units	Allowable Constituent Levels for Imported Fill or Soil Subdivision 5.4(e) for Resricted Residential Site	6NYCRR Part 375-6.8(b) Restricted Use Soil Cleanup Objectives for a Restructed Residential Site	IWTRENCHREUSE-01-C-20200403			IWTRENCHREUSE-02-C-20200403			DUPE-C-20200403		
LAB ID:					L2014553-01			L2014553-02			L2014553-03		
COLLECTION DATE:					4/3/2020			4/3/2020			4/3/2020		
SAMPLE DEPTH:					0.5-2			0.5-2			0.5-2		
SAMPLE MATRIX:					SOIL			SOIL			SOIL		
					Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
Acenaphthene	83-32-9	mg/kg	98	100	0.019	U	0.019	0.02	U	0.02	0.021	U	0.021
Hexachlorobenzene	118-74-1	mg/kg	1.2	1.2	0.021	U	0.021	0.021	U	0.021	0.022	U	0.022
Bis(2-chloroethyl)ether	111-44-4	mg/kg	NL	NL	0.025	U	0.025	0.026	U	0.026	0.027	U	0.027
2-Chloronaphthalene	91-58-7	mg/kg	NL	NL	0.018	U	0.018	0.019	U	0.019	0.02	U	0.02
3,3'-Dichlorobenzidine	91-94-1	mg/kg	NL	NL	0.05	U	0.05	0.05	U	0.05	0.054	U	0.054
2,4-Dinitrotoluene	121-14-2	mg/kg	NL	NL	0.037	U	0.037	0.038	U	0.038	0.04	U	0.04
2,6-Dinitrotoluene	606-20-2	mg/kg	NL	NL	0.032	U	0.032	0.032	U	0.032	0.034	U	0.034
Fluoranthene	206-44-0	mg/kg	100	100	0.059	J	0.022	0.022	U	0.022	0.059	J	0.023
4-Chlorophenyl phenyl ether	7005-72-3	mg/kg	NL	NL	0.02	U	0.02	0.02	U	0.02	0.022	U	0.022
4-Bromophenyl phenyl ether	101-55-3	mg/kg	NL	NL	0.029	U	0.029	0.029	U	0.029	0.031	U	0.031
Bis(2-chloroisopropyl)ether	108-60-1	mg/kg	NL	NL	0.032	U	0.032	0.032	U	0.032	0.034	U	0.034
Bis(2-chloroethoxy)methane	111-91-1	mg/kg	NL	NL	0.019	U	0.019	0.019	U	0.019	0.02	U	0.02
Hexachlorobutadiene	87-68-3	mg/kg	NL	NL	0.027	U	0.027	0.028	U	0.028	0.03	U	0.03
Hexachlorocyclopentadiene	77-47-4	mg/kg	NL	NL	0.17	U	0.17	0.17	U	0.17	0.18	U	0.18
Hexachloroethane	67-72-1	mg/kg	NL	NL	0.03	U	0.03	0.031	U	0.031	0.033	U	0.033
Isophorone	78-59-1	mg/kg	NL	NL	0.024	U	0.024	0.025	U	0.025	0.026	U	0.026
Naphthalene	91-20-3	mg/kg	12	100	0.023	U	0.023	0.023	U	0.023	0.024	U	0.024
Nitrobenzene	98-95-3	mg/kg	NL	NL	0.028	U	0.028	0.028	U	0.028	0.03	U	0.03
NDPA/DPA	86-30-6	mg/kg	NL	NL	0.021	U	0.021	0.022	U	0.022	0.023	U	0.023
n-Nitrosodi-n-propylamine	621-64-7	mg/kg	NL	NL	0.029	U	0.029	0.029	U	0.029	0.031	U	0.031
Bis(2-ethylhexyl)phthalate	117-81-7	mg/kg	NL	NL	0.065	U	0.065	0.066	U	0.066	0.07	U	0.07
Butyl benzyl phthalate	85-68-7	mg/kg	NL	NL	0.047	U	0.047	0.048	U	0.048	0.051	U	0.051
Di-n-butylphthalate	84-74-2	mg/kg	NL	NL	0.036	U	0.036	0.036	U	0.036	0.038	U	0.038
Di-n-octylphthalate	117-84-0	mg/kg	NL	NL	0.064	U	0.064	0.064	U	0.064	0.068	U	0.068
Diethyl phthalate	84-66-2	mg/kg	NL	NL	0.017	U	0.017	0.018	U	0.018	0.019	U	0.019
Dimethyl phthalate	131-11-3	mg/kg	NL	NL	0.039	U	0.039	0.04	U	0.04	0.042	U	0.042
Benzo(a)anthracene	56-55-3	mg/kg	1	1	0.04	J	0.021	0.021	U	0.021	0.032	J	0.023
Benzo(a)pyrene	50-32-8	mg/kg	1	1	0.046	U	0.046	0.046	U	0.046	0.049	U	0.049
Benzo(b)fluoranthene	205-99-2	mg/kg	1	1	0.046	J	0.032	0.032	U	0.032	0.04	J	0.034
Benzo(k)fluoranthene	207-08-9	mg/kg	1.7	3.9	0.03	U	0.03	0.03	U	0.03	0.032	U	0.032
Chrysene	218-01-9	mg/kg	1	3.9	0.071	J	0.019	0.02	U	0.02	0.055	J	0.021
Acenaphthylene	208-96-8	mg/kg	100	100	0.029	U	0.029	0.029	U	0.029	0.031	U	0.031
Anthracene	120-12-7	mg/kg	100	100	0.036	U	0.036	0.037	U	0.037	0.039	U	0.039
Benzo(ghi)perylene	191-24-2	mg/kg	100	100	0.022	J	0.022	0.022	U	0.022	0.024	U	0.024
Fluorene	86-73-7	mg/kg	100	100	0.018	U	0.018	0.018	U	0.018	0.02	U	0.02
Phenanthrene	85-01-8	mg/kg	100	100	0.073	J	0.023	0.023	U	0.023	0.042	J	0.024
Dibenzo(a,h)anthracene	53-70-3	mg/kg	0.33	0.33	0.022	U	0.022	0.022	U	0.022	0.023	U	0.023
Indeno(1,2,3-cd)pyrene	193-39-5	mg/kg	0.5	0.5	0.026	U	0.026	0.026	U	0.026	0.028	U	0.028
Pyrene	129-00-0	mg/kg	100	100	0.062	J	0.019	0.019	U	0.019	0.054	J	0.02
Biphenyl	92-52-4	mg/kg	NL	NL	0.043	U	0.043	0.044	U	0.044	0.047	U	0.047
4-Chloroaniline	106-47-8	mg/kg	NL	NL	0.034	U	0.034	0.034	U	0.034	0.037	U	0.037
2-Nitroaniline	88-74-4	mg/kg	NL	NL	0.036	U	0.036	0.036	U	0.036	0.039	U	0.039
3-Nitroaniline	99-09-2	mg/kg	NL	NL	0.035	U	0.035	0.036	U	0.036	0.038	U	0.038
4-Nitroaniline	100-01-6	mg/kg	NL	NL	0.078	U	0.078	0.078	U	0.078	0.083	U	0.083
Dibenzofuran	132-64-9	mg/kg	59	59	0.018	U	0.018	0.018	U	0.018	0.019	U	0.019
2-Methylnaphthalene	91-57-6	mg/kg	NL	NL	0.023	U	0.023	0.023	U	0.023	0.024	U	0.024
1,2,4,5-Tetrachlorobenzene	95-94-3	mg/kg	NL	NL	0.02	U	0.02	0.02	U	0.02	0.021	U	0.021
Acetophenone	98-86-2	mg/kg	NL	NL	0.023	U	0.023	0.023	U	0.023	0.025	U	0.025
2,4,6-Trichlorophenol	88-06-2	mg/kg	NL	NL	0.036	U	0.036	0.036	U	0.036	0.038	U	0.038
p-Chloro-m-cresol	59-50-7	mg/kg	NL	NL	0.028	U	0.028	0.028	U	0.028	0.03	U	0.03
2-Chlorophenol	95-57-8	mg/kg	NL	NL	0.022	U	0.022	0.022	U	0.022	0.024	U	0.024
2,4-Dichlorophenol	120-83-2	mg/kg	NL	NL	0.03	U	0.03	0.03	U	0.03	0.032	U	0.032
2,4-Dimethylphenol	105-67-9	mg/kg	NL	NL	0.062	U	0.062	0.062	U	0.062	0.066	U	0.066
2-Nitrophenol	88-75-5	mg/kg	NL	NL	0.07	U	0.07	0.071	U	0.071	0.076	U	0.076
4-Nitrophenol	100-02-7	mg/kg	NL	NL	0.076	U	0.076	0.077	U	0.077	0.082	U	0.082
2,4-Dinitrophenol	51-28-5	mg/kg	NL	NL	0.087	U	0.087	0.088	U	0.088	0.094	U	0.094
4,6-Dinitro-o-cresol	534-52-1	mg/kg	NL	NL	0.09	U	0.09	0.091	U	0.091	0.097	U	0.097
Pentachlorophenol	87-86-5	mg/kg	0.8	6.7	0.041	U	0.041	0.042	U	0.042	0.044	U	0.044
Phenol	108-95-2	mg/kg	0.33	100	0.028	U	0.028	0.029	U	0.029	0.03	U	0.03
2-Methylphenol	95-48-7	mg/kg	0.33	100	0.029	U	0.029	0.029	U	0.029	0.031	U	0.031
3-Methylphenol/4-Methylphenol	08-39-4/106-44	mg/kg	0.33	100	0.029	U	0.029	0.03	U	0.03	0.032	U	0.032
2,4,5-Trichlorophenol	95-95-4	mg/kg	NL	NL	0.036	U	0.036	0.036	U	0.036	0.039	U	0.039
Carbazole	86-74-8	mg/kg	NL	NL	0.018	U	0.018	0.018	U	0.018	0.02	U	0.02
Atrazine	1912-24-9	mg/kg	NL	NL	0.066	U	0.066	0.066	U	0.066	0.07	U	0.07
Benzaldehyde	100-52-7	mg/kg	NL	NL	0.051	U	0.051	0.051	U	0.051	0.054	U	0.054
Caprolactam	105-60-2	mg/kg	NL	NL	0.057	U	0.057	0.058	U	0.058	0.061	U	0.061
2,3,4,6-Tetrachlorophenol	58-90-2	mg/kg	NL	NL	0.038	U	0.038	0.038	U	0.038	0.041	U	0.041
1,4-Dioxane	123-91-1	mg/kg	0.1	13	0.0086	U	0.0086	0.0087	U	0.0087	0.0093	U	0.0093
Total TIC Compounds		mg/kg	NL	NL	1	J	0	-	-	-	-	-	-

Notes:
mg/kg - milligrams per kilogram
U denotes concentration not detected above the laboratory method detection limit
MDL - Method detection Limit
Q - Qualifier
Conc - Concentration
J - Result is estimated
TICs - Tentatively Identified Compounds
NL - Not Listed

Table 3 - Metals
Request to Reuse Soil
Former Wollensack Optical - C828209
872 & 886 Hudson Avenue, Rochester, New York
LaBella Project #2182207

SAMPLE ID:	CAS #	Units	Allowable Constituent Levels for Imported Fill or Soil Subdivision 5.4(e) for Resricted Residential Site	6NYCRR Part 375-6.8(b) Restricted Use Soil Cleanup Objectives for a Restructed Residential Site	IWTRENCHREUSE-01-C-20200403			IWTRENCHREUSE-02-C-20200403			DUPE-C-20200403		
LAB ID:					L2014553-01			L2014553-02			L2014553-03		
COLLECTION DATE:					4/3/2020			4/3/2020			4/3/2020		
SAMPLE DEPTH:					0.5-2			0.5-2			0.5-2		
SAMPLE MATRIX:					SOIL			SOIL			SOIL		
					Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
Aluminum, Total	7429-90-5	mg/kg	NL	NL	7430		2.4	8090		2.42	8010		2.56
Antimony, Total	7440-36-0	mg/kg	NL	NL	0.339	U	0.339	0.538	J	0.34	0.455	J	0.36
Arsenic, Total	7440-38-2	mg/kg	16	16	4.3		0.185	4.44		0.186	5.52		0.197
Barium, Total	7440-39-3	mg/kg	400	400	74.8		0.155	139		0.156	67		0.165
Beryllium, Total	7440-41-7	mg/kg	47	72	0.446		0.029	0.511		0.03	0.502		0.031
Cadmium, Total	7440-43-9	mg/kg	4.3	4.3	0.087	U	0.087	0.088	U	0.088	0.093	U	0.093
Calcium, Total	7440-70-2	mg/kg	NL	NL	21800		3.12	11600		3.14	15200		3.32
Chromium, Total	7440-47-3	mg/kg	NL	NL	9.35		0.086	9.85		0.086	10.6		0.091
Cobalt, Total	7440-48-4	mg/kg	NL	NL	5.38		0.148	5.8		0.149	5.64		0.157
Copper, Total	7440-50-8	mg/kg	270	270	13.5		0.23	10.1		0.231	16.8		0.244
Iron, Total	7439-89-6	mg/kg	NL	NL	14900		0.805	17100		0.809	16000		0.855
Lead, Total	7439-92-1	mg/kg	400	400	26.9		0.239	22.2		0.24	22.3		0.254
Magnesium, Total	7439-95-4	mg/kg	NL	NL	3970		1.37	3380		1.38	4390		1.46
Manganese, Total	7439-96-5	mg/kg	2000	2000	**4530**		0.142	1580		0.142	1840		0.151
Mercury, Total	7439-97-6	mg/kg	0.73	0.81	0.062	J	0.047	0.146		0.047	0.076	J	0.051
Nickel, Total	7440-02-0	mg/kg	130	310	10.6		0.216	9.52		0.217	11.6		0.229
Potassium, Total	7440-09-7	mg/kg	NL	NL	692		12.8	824		12.9	885		13.6
Selenium, Total	7782-49-2	mg/kg	4	180	2.74		0.23	1.02	J	0.231	1.15	J	0.244
Silver, Total	7440-22-4	mg/kg	8.3	180	0.294	J	0.252	0.254	U	0.254	0.268	U	0.268
Sodium, Total	7440-23-5	mg/kg	NL	NL	1240		2.81	342		2.82	1020		2.98
Thallium, Total	7440-28-0	mg/kg	NL	NL	5.06		0.281	1.63	J	0.282	2.12		0.298
Vanadium, Total	7440-62-2	mg/kg	NL	NL	13.4		0.181	16		0.182	16.7		0.192
Zinc, Total	7440-66-6	mg/kg	2480	10000	37		0.261	37.1		0.262	45.4		0.278
Cyanide, Total	57-12-5	mg/kg	27	27	0.24	U	0.24	0.24	U	0.24	0.24	U	0.24

Notes:
Yellow Highlight indicates concentration above the Allowable Constituent Levels for Imported Fill or Soil Subdivision 5.4(e) for Restricted Residential Site indicates concentration above the Allowable Constituent Levels for Imported Fill or SoilSubdivision 5.4(e) for Restricted Residential Site
mg/kg - milligrams per kilogram
U denotes concentration not detected above the laboratory method detection limit
MDL - Method detection Limit
Q - Qualifier
Conc - Concentration
J - Result is estimated
NL - Not Listed

Table 4 - PCBs
Request to Reuse Soil
Former Wollensack Optical - C828209
872 & 886 Hudson Avenue, Rochester, New York
LaBella Project #2182207

SAMPLE ID:	CAS #	Units	Allowable Constituent Levels for Imported Fill or Soil Subdivision 5.4(e) for Resricted Residential Site	6NYCRR Part 375-6.8(b) Restricted Use Soil Cleanup Objectives for a Restructed Residential Site	IWTRENCHREUSE-01-C-20200403			IWTRENCHREUSE-02-C-20200403			DUPE-C-20200403		
LAB ID:					L2014553-01			L2014553-02			L2014553-03		
COLLECTION DATE:					4/3/2020			4/3/2020			4/3/2020		
SAMPLE DEPTH:					0.5-2			0.5-2			0.5-2		
SAMPLE MATRIX:					SOIL			SOIL			SOIL		
					Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
Aroclor 1016	12674-11-2	mg/kg	1	1	0.00334	U	0.00334	0.00335	U	0.00335	0.00352	U	0.00352
Aroclor 1221	11104-28-2	mg/kg	1	1	0.00377	U	0.00377	0.00378	U	0.00378	0.00398	U	0.00398
Aroclor 1232	11141-16-5	mg/kg	1	1	0.00798	U	0.00798	0.008	U	0.008	0.00842	U	0.00842
Aroclor 1242	53469-21-9	mg/kg	1	1	0.00508	U	0.00508	0.00509	U	0.00509	0.00535	U	0.00535
Aroclor 1248	12672-29-6	mg/kg	1	1	0.00565	U	0.00565	0.00566	U	0.00566	0.00596	U	0.00596
Aroclor 1254	11097-69-1	mg/kg	1	1	0.00412	U	0.00412	0.00413	U	0.00413	0.00434	U	0.00434
Aroclor 1260	11096-82-5	mg/kg	1	1	0.00696	U	0.00696	0.00698	U	0.00698	0.00734	U	0.00734
Aroclor 1262	37324-23-5	mg/kg	1	1	0.00478	U	0.00478	0.00479	U	0.00479	0.00504	U	0.00504
Aroclor 1268	11100-14-4	mg/kg	1	1	0.0039	U	0.0039	0.00391	U	0.00391	0.00411	U	0.00411
PCBs, Total	1336-36-3	mg/kg	1	1	0.00334	U	0.00334	0.00335	U	0.00335	0.00352	U	0.00352

Notes:
mg/kg - milligrams per kilogram
U denotes concentration not detected above the laboratory method detection limit
MDL - Method detection Limit
Q - Qualifier
Conc - Concentration

Table 5 - Pesticides
Request to Reuse Soil
Former Wollensack Optical - C828209
872 & 886 Hudson Avenue, Rochester, New York
LaBella Project #2182207

SAMPLE ID:	CAS #	Units	Allowable Constituent Levels for Imported Fill or Soil Subdivision 5.4(e) for Resricted Residential Site	6NYCRR Part 375-6.8(b) Restricted Use Soil Cleanup Objectives for a Restructed Residential Site	IWTRENCHREUSE-01-C-20200403			IWTRENCHREUSE-02-C-20200403			DUPE-C-20200403		
LAB ID:					L2014553-01			L2014553-02			L2014553-03		
COLLECTION DATE:					4/3/2020			4/3/2020			4/3/2020		
SAMPLE DEPTH:					0.5-2			0.5-2			0.5-2		
SAMPLE MATRIX:					SOIL			SOIL			SOIL		
Delta-BHC	319-86-8	mg/kg	0.25	100	0.000353	U	0.000353	0.000349	U	0.000349	0.00037	U	0.00037
Lindane	58-89-9	mg/kg	0.1	1.3	0.000336	U	0.000336	0.000332	U	0.000332	0.000352	U	0.000352
Alpha-BHC	319-84-6	mg/kg	0.02	0.48	0.000213	U	0.000213	0.000211	U	0.000211	0.000224	U	0.000224
Beta-BHC	319-85-7	mg/kg	0.09	0.36	0.000684	U	0.000684	0.000676	U	0.000676	0.000717	U	0.000717
Heptachlor	76-44-8	mg/kg	0.38	2.1	0.000404	U	0.000404	0.0004	U	0.0004	0.000424	U	0.000424
Aldrin	309-00-2	mg/kg	0.097	0.097	0.000635	U	0.000635	0.000628	U	0.000628	0.000666	U	0.000666
Heptachlor epoxide	1024-57-3	mg/kg	NL	NL	0.00101	U	0.00101	0.001	U	0.001	0.00106	U	0.00106
Endrin	72-20-8	mg/kg	0.06	11	0.000308	U	0.000308	0.000305	U	0.000305	0.000323	U	0.000323
Endrin aldehyde	7421-93-4	mg/kg	NL	NL	0.000789	U	0.000789	0.00078	U	0.00078	0.000827	U	0.000827
Endrin ketone	53494-70-5	mg/kg	NL	NL	0.000464	U	0.000464	0.000459	U	0.000459	0.000487	U	0.000487
Dieldrin	60-57-1	mg/kg	0.1	0.2	0.000563	U	0.000563	0.000558	U	0.000558	0.000591	U	0.000591
4,4'-DDE	72-55-9	mg/kg	8.9	8.9	0.000417	U	0.000417	0.000412	U	0.000412	0.00182	J	0.000437
4,4'-DDD	72-54-8	mg/kg	13	13	0.000643	U	0.000643	0.000636	U	0.000636	0.000674	U	0.000674
4,4'-DDT	50-29-3	mg/kg	7.9	7.9	0.00145	U	0.00145	0.00143	U	0.00143	0.00152	U	0.00152
Endosulfan I	959-98-8	mg/kg	24	24	0.000426	U	0.000426	0.000421	U	0.000421	0.000447	U	0.000447
Endosulfan II	33213-65-9	mg/kg	24	24	0.000602	U	0.000602	0.000596	U	0.000596	0.000632	U	0.000632
Endosulfan sulfate	1031-07-8	mg/kg	24	24	0.000358	U	0.000358	0.000354	U	0.000354	0.000375	U	0.000375
Methoxychlor	72-43-5	mg/kg	NL	NL	0.00105	U	0.00105	0.00104	U	0.00104	0.0011	U	0.0011
Toxaphene	8001-35-2	mg/kg	NL	NL	0.00946	U	0.00946	0.00937	U	0.00937	0.00993	U	0.00993
cis-Chlordane	5103-71-9	mg/kg	2.9	4.2	0.000628	U	0.000628	0.000621	U	0.000621	0.00194	J	0.000659
trans-Chlordane	5103-74-2	mg/kg	NL	NL	0.000595	U	0.000595	0.000589	U	0.000589	0.00147	JIP	0.000624
Chlordane	57-74-9	mg/kg	NL	NL	0.00597	U	0.00597	0.00591	U	0.00591	0.00626	U	0.00626

Notes:
mg/kg - milligrams per kilogram
U denotes concentration not detected above the laboratory method detection limit
MDL - Method detection Limit
Q - Qualifier
Conc - Concentration

Table 1 - VOC Results
Request to Reuse Soil
Former Wollensack Optical - C828209
872 & 886 Hudson Avenue, Rochester, New York
LaBella Project #2182207

SAMPLE ID:	CAS #	Units	Allowable Constituent Levels for Imported Fill or Soil Subdivision 5.4(e) for Restricted Residential Site	6NYCRR Part 375-6.8(b) Restricted Use Soil Cleanup Objectives for a Restrucuted Residential Site	IWTRENCHREUSE-01-G-20200403			DUPE-G-20200403			IWTRENCHREUSE-02-G-20200403		
LAB ID:					L2014553-04			L2014553-05			L2014553-06		
COLLECTION DATE:					4/3/2020			4/3/2020			4/3/2020		
SAMPLE DEPTH:					1			1			1		
SAMPLE MATRIX:					SOIL			SOIL			SOIL		
					Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
Methylene chloride	75-09-2	mg/kg	0.05	100	0.15	U	0.15	0.16	U	0.16	0.0021	U	0.0021
1,1-Dichloroethane	75-34-3	mg/kg	0.27	26	0.0094	U	0.0094	0.01	U	0.01	0.00013	U	0.00013
Chloroform	67-66-3	mg/kg	0.37	49	0.012	J	0.0091	0.012	J	0.0097	0.00052	J	0.00013
Carbon tetrachloride	56-23-5	mg/kg	0.76	2.4	0.015	U	0.015	0.016	U	0.016	0.00021	U	0.00021
1,2-Dichloropropane	78-87-5	mg/kg	NL	NL	0.0081	U	0.0081	0.0087	U	0.0087	0.00011	U	0.00011
Dibromochloromethane	124-48-1	mg/kg	NL	NL	0.0091	U	0.0091	0.0097	U	0.0097	0.00013	U	0.00013
1,1,2-Trichloroethane	79-00-5	mg/kg	NL	NL	0.017	U	0.017	0.018	U	0.018	0.00024	U	0.00024
Tetrachloroethene	127-18-4	mg/kg	1.3	19	0.013	U	0.013	0.014	U	0.014	0.00027	J	0.00018
Chlorobenzene	108-90-7	mg/kg	1.1	100	0.0083	U	0.0083	0.0088	U	0.0088	0.00011	U	0.00011
Trichlorofluoromethane	75-69-4	mg/kg	NL	NL	0.045	U	0.045	0.048	U	0.048	0.00063	U	0.00063
1,2-Dichloroethane	107-06-2	mg/kg	0.02	3.1	0.017	U	0.017	0.018	U	0.018	0.00023	U	0.00023
1,1,1-Trichloroethane	71-55-6	mg/kg	0.68	100	0.011	U	0.011	0.012	U	0.012	0.00015	U	0.00015
Bromodichloromethane	75-27-4	mg/kg	NL	NL	0.0071	U	0.0071	0.0076	U	0.0076	0.0001	U	0.0001
trans-1,3-Dichloropropene	10061-02-6	mg/kg	NL	NL	0.018	U	0.018	0.019	U	0.019	0.00025	U	0.00025
cis-1,3-Dichloropropene	10061-01-5	mg/kg	NL	NL	0.01	U	0.01	0.011	U	0.011	0.00014	U	0.00014
Bromoform	75-25-2	mg/kg	NL	NL	0.016	U	0.016	0.017	U	0.017	0.00022	U	0.00022
1,1,2,2-Tetrachloroethane	79-34-5	mg/kg	NL	NL	0.011	U	0.011	0.012	U	0.012	0.00015	U	0.00015
Benzene	71-43-2	mg/kg	0.06	4.8	0.011	U	0.011	0.012	U	0.012	0.00015	U	0.00015
Toluene	108-88-3	mg/kg	0.7	100	0.035	U	0.035	0.038	U	0.038	0.00049	U	0.00049
Ethylbenzene	100-41-4	mg/kg	1	41	0.0092	U	0.0092	0.0098	U	0.0098	0.00013	U	0.00013
Chloromethane	74-87-3	mg/kg	NL	NL	0.061	U	0.061	0.065	U	0.065	0.00084	U	0.00084
Bromomethane	74-83-9	mg/kg	NL	NL	0.038	U	0.038	0.04	U	0.04	0.00052	U	0.00052
Vinyl chloride	75-01-4	mg/kg	0.02	0.9	0.022	U	0.022	0.023	U	0.023	0.0003	U	0.0003
Chloroethane	75-00-3	mg/kg	NL	NL	0.029	U	0.029	0.031	U	0.031	0.00041	U	0.00041
1,1-Dichloroethene	75-35-4	mg/kg	0.33	100	0.016	U	0.016	0.016	U	0.016	0.00022	U	0.00022
trans-1,2-Dichloroethene	156-60-5	mg/kg	0.19	100	0.0089	U	0.0089	0.0095	U	0.0095	0.00012	U	0.00012
Trichloroethene	79-01-6	mg/kg	0.47	21	**2.5**		0.0089	**4.6**		0.0095	0.028		0.00012
1,2-Dichlorobenzene	95-50-1	mg/kg	1.1	100	0.0094	U	0.0094	0.01	U	0.01	0.00013	U	0.00013
1,3-Dichlorobenzene	541-73-1	mg/kg	2.4	49	0.0096	U	0.0096	0.01	U	0.01	0.00013	U	0.00013
1,4-Dichlorobenzene	106-46-7	mg/kg	1.8	13	0.011	U	0.011	0.012	U	0.012	0.00015	U	0.00015
Methyl tert butyl ether	1634-04-4	mg/kg	0.93	100	0.013	U	0.013	0.014	U	0.014	0.00018	U	0.00018
p/m-Xylene	179601-23-1	mg/kg	NL	NL	0.036	U	0.036	0.039	U	0.039	0.00051	U	0.00051
o-Xylene	95-47-6	mg/kg	NL	NL	0.019	U	0.019	0.02	U	0.02	0.00026	U	0.00026
cis-1,2-Dichloroethene	156-59-2	mg/kg	0.25	100	0.011	U	0.011	0.012	U	0.012	0.00016	U	0.00016
Styrene	100-42-5	mg/kg	NL	NL	0.013	U	0.013	0.014	U	0.014	0.00018	U	0.00018
Dichlorodifluoromethane	75-71-8	mg/kg	NL	NL	0.06	U	0.06	0.063	U	0.063	0.00083	U	0.00083
Acetone	67-64-1	mg/kg	0.05	100	0.31	U	0.31	0.33	U	0.33	**0.65**	**J**	0.0044
Carbon disulfide	75-15-0	mg/kg	NL	NL	0.3	U	0.3	0.32	U	0.32	0.0041	U	0.0041
2-Butanone	78-93-3	mg/kg	0.12	100	0.14	U	0.14	**0.2**	**J**	0.15	0.03		0.002
4-Methyl-2-pentanone	108-10-1	mg/kg	NL	NL	0.083	U	0.083	0.089	U	0.089	0.0012	U	0.0012
2-Hexanone	591-78-6	mg/kg	NL	NL	0.077	U	0.077	0.082	U	0.082	0.0011	U	0.0011
Bromochloromethane	74-97-5	mg/kg	NL	NL	0.013	U	0.013	0.014	U	0.014	0.00018	U	0.00018
1,2-Dibromoethane	106-93-4	mg/kg	NL	NL	0.018	U	0.018	0.019	U	0.019	0.00025	U	0.00025
1,2-Dibromo-3-chloropropane	96-12-8	mg/kg	NL	NL	0.065	U	0.065	0.069	U	0.069	0.0009	U	0.0009
Isopropylbenzene	98-82-8	mg/kg	NL	NL	0.0071	U	0.0071	0.0076	U	0.0076	0.0001	U	0.0001
1,2,3-Trichlorobenzene	87-61-6	mg/kg	NL	NL	0.021	U	0.021	0.022	U	0.022	0.00029	U	0.00029
1,2,4-Trichlorobenzene	120-82-1	mg/kg	NL	NL	0.018	U	0.018	0.019	U	0.019	0.00025	U	0.00025
Methyl Acetate	79-20-9	mg/kg	NL	NL	0.062	U	0.062	0.066	U	0.066	0.00086	U	0.00086
Cyclohexane	110-82-7	mg/kg	NL	NL	0.035	U	0.035	0.038	U	0.038	0.00049	U	0.00049
1,4-Dioxane	123-91-1	mg/kg	0.1	13	2.3	U	2.3	2.4	U	2.4	0.032	U	0.032
Freon-113	76-13-1	mg/kg	NL	NL	0.045	U	0.045	0.048	U	0.048	0.00063	U	0.00063
Methyl cyclohexane	108-87-2	mg/kg	NL	NL	0.039	U	0.039	0.042	U	0.042	0.00054	U	0.00054
Total TIC Compounds		mg/kg	NL	NL	-		-	-		-	0.487	J	0

Notes:
Yellow Highlight indicates concentration above the Allowable Constituent Levels for Imported Fill or Soil Subdivision 5.4(e) for Restricted Residential Site indicates concentration above the Allowable Constituent Levels for Imported Fill or SoilSubdivision 5.4(e) for Restricted Residential Site
mg/kg - milligrams per kilogram
U denotes concentration not detected above the laboratory method detection limit
MDL - Method detection Limit
Q - Qualifier
Conc - Concentration
J - Result is estimated
TICs - Tentatively Identified Compounds
NL - Not Listed

Table 2 - SVOCs
Request to Reuse Soil
Former Wollensack Optical - C828209
872 & 886 Hudson Avenue, Rochester, New York
LaBella Project #2182207

SAMPLE ID:	CAS #	Units	Allowable Constituent Levels for Imported Fill or Soil Subdivision 5.4(e) for Resricted Residential Site	6NYCRR Part 375-6.8(b) Restricted Use Soil Cleanup Objectives for a Restructed Residential Site	IWTRENCHREUSE-01-C-20200403			IWTRENCHREUSE-02-C-20200403			DUPE-C-20200403		
LAB ID:					L2014553-01			L2014553-02			L2014553-03		
COLLECTION DATE:					4/3/2020			4/3/2020			4/3/2020		
SAMPLE DEPTH:					0.5-2			0.5-2			0.5-2		
SAMPLE MATRIX:					SOIL			SOIL			SOIL		
					Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
Acenaphthene	83-32-9	mg/kg	98	100	0.019	U	0.019	0.02	U	0.02	0.021	U	0.021
Hexachlorobenzene	118-74-1	mg/kg	1.2	1.2	0.021	U	0.021	0.021	U	0.021	0.022	U	0.022
Bis(2-chloroethyl)ether	111-44-4	mg/kg	NL	NL	0.025	U	0.025	0.026	U	0.026	0.027	U	0.027
2-Chloronaphthalene	91-58-7	mg/kg	NL	NL	0.018	U	0.018	0.019	U	0.019	0.02	U	0.02
3,3'-Dichlorobenzidine	91-94-1	mg/kg	NL	NL	0.05	U	0.05	0.05	U	0.05	0.054	U	0.054
2,4-Dinitrotoluene	121-14-2	mg/kg	NL	NL	0.037	U	0.037	0.038	U	0.038	0.04	U	0.04
2,6-Dinitrotoluene	606-20-2	mg/kg	NL	NL	0.032	U	0.032	0.032	U	0.032	0.034	U	0.034
Fluoranthene	206-44-0	mg/kg	100	100	0.059	J	0.022	0.022	U	0.022	0.059	J	0.023
4-Chlorophenyl phenyl ether	7005-72-3	mg/kg	NL	NL	0.02	U	0.02	0.02	U	0.02	0.022	U	0.022
4-Bromophenyl phenyl ether	101-55-3	mg/kg	NL	NL	0.029	U	0.029	0.029	U	0.029	0.031	U	0.031
Bis(2-chloroisopropyl)ether	108-60-1	mg/kg	NL	NL	0.032	U	0.032	0.032	U	0.032	0.034	U	0.034
Bis(2-chloroethoxy)methane	111-91-1	mg/kg	NL	NL	0.019	U	0.019	0.019	U	0.019	0.02	U	0.02
Hexachlorobutadiene	87-68-3	mg/kg	NL	NL	0.027	U	0.027	0.028	U	0.028	0.03	U	0.03
Hexachlorocyclopentadiene	77-47-4	mg/kg	NL	NL	0.17	U	0.17	0.17	U	0.17	0.18	U	0.18
Hexachloroethane	67-72-1	mg/kg	NL	NL	0.03	U	0.03	0.031	U	0.031	0.033	U	0.033
Isophorone	78-59-1	mg/kg	NL	NL	0.024	U	0.024	0.025	U	0.025	0.026	U	0.026
Naphthalene	91-20-3	mg/kg	12	100	0.023	U	0.023	0.023	U	0.023	0.024	U	0.024
Nitrobenzene	98-95-3	mg/kg	NL	NL	0.028	U	0.028	0.028	U	0.028	0.03	U	0.03
NDPA/DPA	86-30-6	mg/kg	NL	NL	0.021	U	0.021	0.022	U	0.022	0.023	U	0.023
n-Nitrosodi-n-propylamine	621-64-7	mg/kg	NL	NL	0.029	U	0.029	0.029	U	0.029	0.031	U	0.031
Bis(2-ethylhexyl)phthalate	117-81-7	mg/kg	NL	NL	0.065	U	0.065	0.066	U	0.066	0.07	U	0.07
Butyl benzyl phthalate	85-68-7	mg/kg	NL	NL	0.047	U	0.047	0.048	U	0.048	0.051	U	0.051
Di-n-butylphthalate	84-74-2	mg/kg	NL	NL	0.036	U	0.036	0.036	U	0.036	0.038	U	0.038
Di-n-octylphthalate	117-84-0	mg/kg	NL	NL	0.064	U	0.064	0.064	U	0.064	0.068	U	0.068
Diethyl phthalate	84-66-2	mg/kg	NL	NL	0.017	U	0.017	0.018	U	0.018	0.019	U	0.019
Dimethyl phthalate	131-11-3	mg/kg	NL	NL	0.039	U	0.039	0.04	U	0.04	0.042	U	0.042
Benzo(a)anthracene	56-55-3	mg/kg	1	1	0.04	J	0.021	0.021	U	0.021	0.032	J	0.023
Benzo(a)pyrene	50-32-8	mg/kg	1	1	0.046	U	0.046	0.046	U	0.046	0.049	U	0.049
Benzo(b)fluoranthene	205-99-2	mg/kg	1	1	0.046	J	0.032	0.032	U	0.032	0.04	J	0.034
Benzo(k)fluoranthene	207-08-9	mg/kg	1.7	3.9	0.03	U	0.03	0.03	U	0.03	0.032	U	0.032
Chrysene	218-01-9	mg/kg	1	3.9	0.071	J	0.019	0.02	U	0.02	0.055	J	0.021
Acenaphthylene	208-96-8	mg/kg	100	100	0.029	U	0.029	0.029	U	0.029	0.031	U	0.031
Anthracene	120-12-7	mg/kg	100	100	0.036	U	0.036	0.037	U	0.037	0.039	U	0.039
Benzo(ghi)perylene	191-24-2	mg/kg	100	100	0.022	J	0.022	0.022	U	0.022	0.024	U	0.024
Fluorene	86-73-7	mg/kg	100	100	0.018	U	0.018	0.018	U	0.018	0.02	U	0.02
Phenanthrene	85-01-8	mg/kg	100	100	0.073	J	0.023	0.023	U	0.023	0.042	J	0.024
Dibenzo(a,h)anthracene	53-70-3	mg/kg	0.33	0.33	0.022	U	0.022	0.022	U	0.022	0.023	U	0.023
Indeno(1,2,3-cd)pyrene	193-39-5	mg/kg	0.5	0.5	0.026	U	0.026	0.026	U	0.026	0.028	U	0.028
Pyrene	129-00-0	mg/kg	100	100	0.062	J	0.019	0.019	U	0.019	0.054	J	0.02
Biphenyl	92-52-4	mg/kg	NL	NL	0.043	U	0.043	0.044	U	0.044	0.047	U	0.047
4-Chloroaniline	106-47-8	mg/kg	NL	NL	0.034	U	0.034	0.034	U	0.034	0.037	U	0.037
2-Nitroaniline	88-74-4	mg/kg	NL	NL	0.036	U	0.036	0.036	U	0.036	0.039	U	0.039
3-Nitroaniline	99-09-2	mg/kg	NL	NL	0.035	U	0.035	0.036	U	0.036	0.038	U	0.038
4-Nitroaniline	100-01-6	mg/kg	NL	NL	0.078	U	0.078	0.078	U	0.078	0.083	U	0.083
Dibenzofuran	132-64-9	mg/kg	59	59	0.018	U	0.018	0.018	U	0.018	0.019	U	0.019
2-Methylnaphthalene	91-57-6	mg/kg	NL	NL	0.023	U	0.023	0.023	U	0.023	0.024	U	0.024
1,2,4,5-Tetrachlorobenzene	95-94-3	mg/kg	NL	NL	0.02	U	0.02	0.02	U	0.02	0.021	U	0.021
Acetophenone	98-86-2	mg/kg	NL	NL	0.023	U	0.023	0.023	U	0.023	0.025	U	0.025
2,4,6-Trichlorophenol	88-06-2	mg/kg	NL	NL	0.036	U	0.036	0.036	U	0.036	0.038	U	0.038
p-Chloro-m-cresol	59-50-7	mg/kg	NL	NL	0.028	U	0.028	0.028	U	0.028	0.03	U	0.03
2-Chlorophenol	95-57-8	mg/kg	NL	NL	0.022	U	0.022	0.022	U	0.022	0.024	U	0.024
2,4-Dichlorophenol	120-83-2	mg/kg	NL	NL	0.03	U	0.03	0.03	U	0.03	0.032	U	0.032
2,4-Dimethylphenol	105-67-9	mg/kg	NL	NL	0.062	U	0.062	0.062	U	0.062	0.066	U	0.066
2-Nitrophenol	88-75-5	mg/kg	NL	NL	0.07	U	0.07	0.071	U	0.071	0.076	U	0.076
4-Nitrophenol	100-02-7	mg/kg	NL	NL	0.076	U	0.076	0.077	U	0.077	0.082	U	0.082
2,4-Dinitrophenol	51-28-5	mg/kg	NL	NL	0.087	U	0.087	0.088	U	0.088	0.094	U	0.094
4,6-Dinitro-o-cresol	534-52-1	mg/kg	NL	NL	0.09	U	0.09	0.091	U	0.091	0.097	U	0.097
Pentachlorophenol	87-86-5	mg/kg	0.8	6.7	0.041	U	0.041	0.042	U	0.042	0.044	U	0.044
Phenol	108-95-2	mg/kg	0.33	100	0.028	U	0.028	0.029	U	0.029	0.03	U	0.03
2-Methylphenol	95-48-7	mg/kg	0.33	100	0.029	U	0.029	0.029	U	0.029	0.031	U	0.031
3-Methylphenol/4-Methylphenol	08-39-4/106-44	mg/kg	0.33	100	0.029	U	0.029	0.03	U	0.03	0.032	U	0.032
2,4,5-Trichlorophenol	95-95-4	mg/kg	NL	NL	0.036	U	0.036	0.036	U	0.036	0.039	U	0.039
Carbazole	86-74-8	mg/kg	NL	NL	0.018	U	0.018	0.018	U	0.018	0.02	U	0.02
Atrazine	1912-24-9	mg/kg	NL	NL	0.066	U	0.066	0.066	U	0.066	0.07	U	0.07
Benzaldehyde	100-52-7	mg/kg	NL	NL	0.051	U	0.051	0.051	U	0.051	0.054	U	0.054
Caprolactam	105-60-2	mg/kg	NL	NL	0.057	U	0.057	0.058	U	0.058	0.061	U	0.061
2,3,4,6-Tetrachlorophenol	58-90-2	mg/kg	NL	NL	0.038	U	0.038	0.038	U	0.038	0.041	U	0.041
1,4-Dioxane	123-91-1	mg/kg	0.1	13	0.0086	U	0.0086	0.0087	U	0.0087	0.0093	U	0.0093
Total TIC Compounds		mg/kg	NL	NL	1	J	0	-	-	-	-	-	-

Notes:
mg/kg - milligrams per kilogram
U denotes concentration not detected above the laboratory method detection limit
MDL - Method detection Limit
Q - Qualifier
Conc - Concentration
J - Result is estimated
TICs - Tentatively Identified Compounds
NL - Not Listed

Table 3 - Metals
Request to Reuse Soil
Former Wollensack Optical - C828209
872 & 886 Hudson Avenue, Rochester, New York
LaBella Project #2182207

SAMPLE ID:	CAS #	Units	Allowable Constituent Levels for Imported Fill or Soil Subdivision 5.4(e) for Resricted Residential Site	6NYCRR Part 375-6.8(b) Restricted Use Soil Cleanup Objectives for a Restructed Residential Site	IWTRENCHREUSE-01-C-20200403			IWTRENCHREUSE-02-C-20200403			DUPE-C-20200403		
LAB ID:					L2014553-01			L2014553-02			L2014553-03		
COLLECTION DATE:					4/3/2020			4/3/2020			4/3/2020		
SAMPLE DEPTH:					0.5-2			0.5-2			0.5-2		
SAMPLE MATRIX:					SOIL			SOIL			SOIL		
					Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
Aluminum, Total	7429-90-5	mg/kg	NL	NL	7430		2.4	8090		2.42	8010		2.56
Antimony, Total	7440-36-0	mg/kg	NL	NL	0.339	U	0.339	0.538	J	0.34	0.455	J	0.36
Arsenic, Total	7440-38-2	mg/kg	16	16	4.3		0.185	4.44		0.186	5.52		0.197
Barium, Total	7440-39-3	mg/kg	400	400	74.8		0.155	139		0.156	67		0.165
Beryllium, Total	7440-41-7	mg/kg	47	72	0.446		0.029	0.511		0.03	0.502		0.031
Cadmium, Total	7440-43-9	mg/kg	4.3	4.3	0.087	U	0.087	0.088	U	0.088	0.093	U	0.093
Calcium, Total	7440-70-2	mg/kg	NL	NL	21800		3.12	11600		3.14	15200		3.32
Chromium, Total	7440-47-3	mg/kg	NL	NL	9.35		0.086	9.85		0.086	10.6		0.091
Cobalt, Total	7440-48-4	mg/kg	NL	NL	5.38		0.148	5.8		0.149	5.64		0.157
Copper, Total	7440-50-8	mg/kg	270	270	13.5		0.23	10.1		0.231	16.8		0.244
Iron, Total	7439-89-6	mg/kg	NL	NL	14900		0.805	17100		0.809	16000		0.855
Lead, Total	7439-92-1	mg/kg	400	400	26.9		0.239	22.2		0.24	22.3		0.254
Magnesium, Total	7439-95-4	mg/kg	NL	NL	3970		1.37	3380		1.38	4390		1.46
Manganese, Total	7439-96-5	mg/kg	2000	2000	**4530**		0.142	1580		0.142	1840		0.151
Mercury, Total	7439-97-6	mg/kg	0.73	0.81	0.062	J	0.047	0.146		0.047	0.076	J	0.051
Nickel, Total	7440-02-0	mg/kg	130	310	10.6		0.216	9.52		0.217	11.6		0.229
Potassium, Total	7440-09-7	mg/kg	NL	NL	692		12.8	824		12.9	885		13.6
Selenium, Total	7782-49-2	mg/kg	4	180	2.74		0.23	1.02	J	0.231	1.15	J	0.244
Silver, Total	7440-22-4	mg/kg	8.3	180	0.294	J	0.252	0.254	U	0.254	0.268	U	0.268
Sodium, Total	7440-23-5	mg/kg	NL	NL	1240		2.81	342		2.82	1020		2.98
Thallium, Total	7440-28-0	mg/kg	NL	NL	5.06		0.281	1.63	J	0.282	2.12		0.298
Vanadium, Total	7440-62-2	mg/kg	NL	NL	13.4		0.181	16		0.182	16.7		0.192
Zinc, Total	7440-66-6	mg/kg	2480	10000	37		0.261	37.1		0.262	45.4		0.278
Cyanide, Total	57-12-5	mg/kg	27	27	0.24	U	0.24	0.24	U	0.24	0.24	U	0.24

Notes:
Yellow Highlight indicates concentration above the Allowable Constituent Levels for Imported Fill or Soil Subdivision 5.4(e) for Restricted Residential Site indicates concentration above the Allowable Constituent Levels for Imported Fill or SoilSubdivision 5.4(e) for Restricted Residential Site
mg/kg - milligrams per kilogram
U denotes concentration not detected above the laboratory method detection limit
MDL - Method detection Limit
Q - Qualifier
Conc - Concentration
J - Result is estimated
NL - Not Listed

Table 4 - PCBs
Request to Reuse Soil
Former Wollensack Optical - C828209
872 & 886 Hudson Avenue, Rochester, New York
LaBella Project #2182207

SAMPLE ID:	CAS #	Units	Allowable Constituent Levels for Imported Fill or Soil Subdivision 5.4(e) for Resricted Residential Site	6NYCRR Part 375-6.8(b) Restricted Use Soil Cleanup Objectives for a Restructed Residential Site	IWTRENCHREUSE-01-C-20200403			IWTRENCHREUSE-02-C-20200403			DUPE-C-20200403		
LAB ID:					L2014553-01			L2014553-02			L2014553-03		
COLLECTION DATE:					4/3/2020			4/3/2020			4/3/2020		
SAMPLE DEPTH:					0.5-2			0.5-2			0.5-2		
SAMPLE MATRIX:					SOIL			SOIL			SOIL		
					Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
Aroclor 1016	12674-11-2	mg/kg	1	1	0.00334	U	0.00334	0.00335	U	0.00335	0.00352	U	0.00352
Aroclor 1221	11104-28-2	mg/kg	1	1	0.00377	U	0.00377	0.00378	U	0.00378	0.00398	U	0.00398
Aroclor 1232	11141-16-5	mg/kg	1	1	0.00798	U	0.00798	0.008	U	0.008	0.00842	U	0.00842
Aroclor 1242	53469-21-9	mg/kg	1	1	0.00508	U	0.00508	0.00509	U	0.00509	0.00535	U	0.00535
Aroclor 1248	12672-29-6	mg/kg	1	1	0.00565	U	0.00565	0.00566	U	0.00566	0.00596	U	0.00596
Aroclor 1254	11097-69-1	mg/kg	1	1	0.00412	U	0.00412	0.00413	U	0.00413	0.00434	U	0.00434
Aroclor 1260	11096-82-5	mg/kg	1	1	0.00696	U	0.00696	0.00698	U	0.00698	0.00734	U	0.00734
Aroclor 1262	37324-23-5	mg/kg	1	1	0.00478	U	0.00478	0.00479	U	0.00479	0.00504	U	0.00504
Aroclor 1268	11100-14-4	mg/kg	1	1	0.0039	U	0.0039	0.00391	U	0.00391	0.00411	U	0.00411
PCBs, Total	1336-36-3	mg/kg	1	1	0.00334	U	0.00334	0.00335	U	0.00335	0.00352	U	0.00352

Notes:
mg/kg - milligrams per kilogram
U denotes concentration not detected above the laboratory method detection limit
MDL - Method detection Limit
Q - Qualifier
Conc - Concentration

Table 5 - Pesticides
Request to Reuse Soil
Former Wollensack Optical - C828209
872 & 886 Hudson Avenue, Rochester, New York
LaBella Project #2182207

SAMPLE ID:	CAS #	Units	Allowable Constituent Levels for Imported Fill or Soil Subdivision 5.4(e) for Resricted Residential Site	6NYCRR Part 375-6.8(b) Restricted Use Soil Cleanup Objectives for a Restructed Residential Site	IWTRENCHREUSE-01-C-20200403			IWTRENCHREUSE-02-C-20200403			DUPE-C-20200403		
LAB ID:					L2014553-01			L2014553-02			L2014553-03		
COLLECTION DATE:					4/3/2020			4/3/2020			4/3/2020		
SAMPLE DEPTH:					0.5-2			0.5-2			0.5-2		
SAMPLE MATRIX:					SOIL			SOIL			SOIL		
Delta-BHC	319-86-8	mg/kg	0.25	100	0.000353	U	0.000353	0.000349	U	0.000349	0.00037	U	0.00037
Lindane	58-89-9	mg/kg	0.1	1.3	0.000336	U	0.000336	0.000332	U	0.000332	0.000352	U	0.000352
Alpha-BHC	319-84-6	mg/kg	0.02	0.48	0.000213	U	0.000213	0.000211	U	0.000211	0.000224	U	0.000224
Beta-BHC	319-85-7	mg/kg	0.09	0.36	0.000684	U	0.000684	0.000676	U	0.000676	0.000717	U	0.000717
Heptachlor	76-44-8	mg/kg	0.38	2.1	0.000404	U	0.000404	0.0004	U	0.0004	0.000424	U	0.000424
Aldrin	309-00-2	mg/kg	0.097	0.097	0.000635	U	0.000635	0.000628	U	0.000628	0.000666	U	0.000666
Heptachlor epoxide	1024-57-3	mg/kg	NL	NL	0.00101	U	0.00101	0.001	U	0.001	0.00106	U	0.00106
Endrin	72-20-8	mg/kg	0.06	11	0.000308	U	0.000308	0.000305	U	0.000305	0.000323	U	0.000323
Endrin aldehyde	7421-93-4	mg/kg	NL	NL	0.000789	U	0.000789	0.00078	U	0.00078	0.000827	U	0.000827
Endrin ketone	53494-70-5	mg/kg	NL	NL	0.000464	U	0.000464	0.000459	U	0.000459	0.000487	U	0.000487
Dieldrin	60-57-1	mg/kg	0.1	0.2	0.000563	U	0.000563	0.000558	U	0.000558	0.000591	U	0.000591
4,4'-DDE	72-55-9	mg/kg	8.9	8.9	0.000417	U	0.000417	0.000412	U	0.000412	0.00182	J	0.000437
4,4'-DDD	72-54-8	mg/kg	13	13	0.000643	U	0.000643	0.000636	U	0.000636	0.000674	U	0.000674
4,4'-DDT	50-29-3	mg/kg	7.9	7.9	0.00145	U	0.00145	0.00143	U	0.00143	0.00152	U	0.00152
Endosulfan I	959-98-8	mg/kg	24	24	0.000426	U	0.000426	0.000421	U	0.000421	0.000447	U	0.000447
Endosulfan II	33213-65-9	mg/kg	24	24	0.000602	U	0.000602	0.000596	U	0.000596	0.000632	U	0.000632
Endosulfan sulfate	1031-07-8	mg/kg	24	24	0.000358	U	0.000358	0.000354	U	0.000354	0.000375	U	0.000375
Methoxychlor	72-43-5	mg/kg	NL	NL	0.00105	U	0.00105	0.00104	U	0.00104	0.0011	U	0.0011
Toxaphene	8001-35-2	mg/kg	NL	NL	0.00946	U	0.00946	0.00937	U	0.00937	0.00993	U	0.00993
cis-Chlordane	5103-71-9	mg/kg	2.9	4.2	0.000628	U	0.000628	0.000621	U	0.000621	0.00194	J	0.000659
trans-Chlordane	5103-74-2	mg/kg	NL	NL	0.000595	U	0.000595	0.000589	U	0.000589	0.00147	JIP	0.000624
Chlordane	57-74-9	mg/kg	NL	NL	0.00597	U	0.00597	0.00591	U	0.00591	0.00626	U	0.00626

Notes:
mg/kg - milligrams per kilogram
U denotes concentration not detected above the laboratory method detection limit
MDL - Method detection Limit
Q - Qualifier
Conc - Concentration

ANALYTICAL REPORT

Lab Number:	L2014553
Client:	LaBella Associates, P.C. 300 State Street Suite 201 Rochester, NY 14614
ATTN:	Mike Pelychaty
Phone:	(585) 295-6253
Project Name:	WOLLENSACK OPTICAL
Project Number:	2182207.13
Report Date:	04/06/20

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Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: WOLLENSACK OPTICAL
Project Number: 2182207.13

Lab Number: L2014553
Report Date: 04/06/20

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2014553-01	IWTRENCHREUSE-01-C-20200403	SOIL	886 HUDSON AVE., ROCHESTER, NY	04/03/20 12:00	04/03/20
L2014553-02	IWTRENCHREUSE-02-C-20200403	SOIL	886 HUDSON AVE., ROCHESTER, NY	04/03/20 14:30	04/03/20
L2014553-03	DUPE-C-20200403	SOIL	886 HUDSON AVE., ROCHESTER, NY	04/03/20 12:30	04/03/20
L2014553-04	IWTRENCHREUSE-01-G-20200403	SOIL	886 HUDSON AVE., ROCHESTER, NY	04/03/20 13:00	04/03/20
L2014553-05	DUPE-G-20200403	SOIL	886 HUDSON AVE., ROCHESTER, NY	04/03/20 14:00	04/03/20
L2014553-06	IWTRENCHREUSE-02-G-20200403	SOIL	886 HUDSON AVE., ROCHESTER, NY	04/03/20 15:00	04/03/20

Project Name:	WOLLENSACK OPTICAL	**Lab Number:**	L2014553
Project Number:	2182207.13	**Report Date:**	04/06/20

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	WOLLENSACK OPTICAL	**Lab Number:**	L2014553
Project Number:	2182207.13	**Report Date:**	04/06/20

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics

L2014553-06: The sample was analyzed as a High Level Methanol in order to quantitate results within the calibration range. The result should be considered estimated, and is qualified with an E flag, for any compound that exceeded the calibration on the initial Low Level analysis. The results of both analyses are reported.

Total Metals

L2014553-01, -02 and -03: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

The WG1358126-3/-4 MS/MSD recoveries for aluminum (583%/1030%), calcium (610%/0%), iron (0%/1220%), magnesium (196%/0%) and manganese (0%/0%), performed on L2014553-01, do not apply because the sample concentrations are greater than four times the spike amounts added.

The WG1358126-3/-4 MS/MSD recoveries, performed on L2014553-01, are outside the acceptance criteria for cadmium (71%/69%). A post digestion spike was performed and yielded unacceptable recoveries for cadmium (71%). The serial dilution recovery was not applicable; therefore, this element fails the matrix test and the result reported in the native sample should be considered estimated.

The WG1358126-3/-4 MS/MSD recoveries, performed on L2014553-01, are outside the acceptance criteria for lead (MSD 72%), selenium (MSD 72%), sodium (62%/17%) and thallium (64%/45%). A post digestion spike was performed and was within acceptance criteria.

The WG1358126-3/-4 MS/MSD RPDs for calcium (89%), magnesium (43%), manganese (110%) and sodium (26%), performed on L2014553-01, are above the acceptance criteria.

The WG1358127-3/-4 MS/MSD recoveries, performed on L2014553-01, are outside the acceptance criteria for mercury (150%/152%). A post digestion spike was performed and was within acceptance criteria.

Project Name:	WOLLENSACK OPTICAL	**Lab Number:**	L2014553
Project Number:	2182207.13	**Report Date:**	04/06/20

Case Narrative (continued)

Cyanide, Total

The WG1358380-2 LCS recovery for cyanide, total (74%), associated with L2014553-01, -02 and -03, is outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Melissa Sturgis Melissa Sturgis

Title: Technical Director/Representative Date: 04/06/20

ORGANICS

VOLATILES

Project Name: WOLLENSACK OPTICAL **Lab Number:** L2014553

Project Number: 2182207.13 **Report Date:** 04/06/20

SAMPLE RESULTS

Lab ID: L2014553-04 Date Collected: 04/03/20 13:00

Client ID: IWTRENCHREUSE-01-G-20200403 Date Received: 04/03/20

Sample Location: 886 HUDSON AVE., ROCHESTER, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 1,8260C

Analytical Date: 04/05/20 12:56

Analyst: AD

Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	320	150	1
1,1-Dichloroethane	ND		ug/kg	65	9.4	1
Chloroform	12	J	ug/kg	98	9.1	1
Carbon tetrachloride	ND		ug/kg	65	15.	1
1,2-Dichloropropane	ND		ug/kg	65	8.1	1
Dibromochloromethane	ND		ug/kg	65	9.1	1
1,1,2-Trichloroethane	ND		ug/kg	65	17.	1
Tetrachloroethene	ND		ug/kg	32	13.	1
Chlorobenzene	ND		ug/kg	32	8.3	1
Trichlorofluoromethane	ND		ug/kg	260	45.	1
1,2-Dichloroethane	ND		ug/kg	65	17.	1
1,1,1-Trichloroethane	ND		ug/kg	32	11.	1
Bromodichloromethane	ND		ug/kg	32	7.1	1
trans-1,3-Dichloropropene	ND		ug/kg	65	18.	1
cis-1,3-Dichloropropene	ND		ug/kg	32	10.	1
Bromoform	ND		ug/kg	260	16.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	32	11.	1
Benzene	ND		ug/kg	32	11.	1
Toluene	ND		ug/kg	65	35.	1
Ethylbenzene	ND		ug/kg	65	9.2	1
Chloromethane	ND		ug/kg	260	61.	1
Bromomethane	ND		ug/kg	130	38.	1
Vinyl chloride	ND		ug/kg	65	22.	1
Chloroethane	ND		ug/kg	130	29.	1
1,1-Dichloroethene	ND		ug/kg	65	16.	1
trans-1,2-Dichloroethene	ND		ug/kg	98	8.9	1
Trichloroethene	2500		ug/kg	32	8.9	1
1,2-Dichlorobenzene	ND		ug/kg	130	9.4	1

Project Name: WOLLENSACK OPTICAL **Lab Number:** L2014553

Project Number: 2182207.13 **Report Date:** 04/06/20

SAMPLE RESULTS

Lab ID: L2014553-04 Date Collected: 04/03/20 13:00

Client ID: IWTRENCHREUSE-01-G-20200403 Date Received: 04/03/20

Sample Location: 886 HUDSON AVE., ROCHESTER, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	130	9.6	1
1,4-Dichlorobenzene	ND		ug/kg	130	11.	1
Methyl tert butyl ether	ND		ug/kg	130	13.	1
p/m-Xylene	ND		ug/kg	130	36.	1
o-Xylene	ND		ug/kg	65	19.	1
cis-1,2-Dichloroethene	ND		ug/kg	65	11.	1
Styrene	ND		ug/kg	65	13.	1
Dichlorodifluoromethane	ND		ug/kg	650	60.	1
Acetone	ND		ug/kg	650	310	1
Carbon disulfide	ND		ug/kg	650	300	1
2-Butanone	ND		ug/kg	650	140	1
4-Methyl-2-pentanone	ND		ug/kg	650	83.	1
2-Hexanone	ND		ug/kg	650	77.	1
Bromochloromethane	ND		ug/kg	130	13.	1
1,2-Dibromoethane	ND		ug/kg	65	18.	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	200	65.	1
Isopropylbenzene	ND		ug/kg	65	7.1	1
1,2,3-Trichlorobenzene	ND		ug/kg	130	21.	1
1,2,4-Trichlorobenzene	ND		ug/kg	130	18.	1
Methyl Acetate	ND		ug/kg	260	62.	1
Cyclohexane	ND		ug/kg	650	35.	1
1,4-Dioxane	ND		ug/kg	5200	2300	1
Freon-113	ND		ug/kg	260	45.	1
Methyl cyclohexane	ND		ug/kg	260	39.	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/kg	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	104		70-130

Project Name: WOLLENSACK OPTICAL **Lab Number:** L2014553

Project Number: 2182207.13 **Report Date:** 04/06/20

SAMPLE RESULTS

Lab ID: L2014553-05 Date Collected: 04/03/20 14:00
Client ID: DUPE-G-20200403 Date Received: 04/03/20
Sample Location: 886 HUDSON AVE., ROCHESTER, NY Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 04/05/20 13:29
Analyst: AD
Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	350	160	1
1,1-Dichloroethane	ND		ug/kg	69	10.	1
Chloroform	12	J	ug/kg	100	9.7	1
Carbon tetrachloride	ND		ug/kg	69	16.	1
1,2-Dichloropropane	ND		ug/kg	69	8.7	1
Dibromochloromethane	ND		ug/kg	69	9.7	1
1,1,2-Trichloroethane	ND		ug/kg	69	18.	1
Tetrachloroethene	ND		ug/kg	35	14.	1
Chlorobenzene	ND		ug/kg	35	8.8	1
Trichlorofluoromethane	ND		ug/kg	280	48.	1
1,2-Dichloroethane	ND		ug/kg	69	18.	1
1,1,1-Trichloroethane	ND		ug/kg	35	12.	1
Bromodichloromethane	ND		ug/kg	35	7.6	1
trans-1,3-Dichloropropene	ND		ug/kg	69	19.	1
cis-1,3-Dichloropropene	ND		ug/kg	35	11.	1
Bromoform	ND		ug/kg	280	17.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	35	12.	1
Benzene	ND		ug/kg	35	12.	1
Toluene	ND		ug/kg	69	38.	1
Ethylbenzene	ND		ug/kg	69	9.8	1
Chloromethane	ND		ug/kg	280	65.	1
Bromomethane	ND		ug/kg	140	40.	1
Vinyl chloride	ND		ug/kg	69	23.	1
Chloroethane	ND		ug/kg	140	31.	1
1,1-Dichloroethene	ND		ug/kg	69	16.	1
trans-1,2-Dichloroethene	ND		ug/kg	100	9.5	1
Trichloroethene	4600		ug/kg	35	9.5	1
1,2-Dichlorobenzene	ND		ug/kg	140	10.	1

Project Name: WOLLENSACK OPTICAL **Lab Number:** L2014553

Project Number: 2182207.13 **Report Date:** 04/06/20

SAMPLE RESULTS

Lab ID: L2014553-05 Date Collected: 04/03/20 14:00

Client ID: DUPE-G-20200403 Date Received: 04/03/20

Sample Location: 886 HUDSON AVE., ROCHESTER, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	140	10.	1
1,4-Dichlorobenzene	ND		ug/kg	140	12.	1
Methyl tert butyl ether	ND		ug/kg	140	14.	1
p/m-Xylene	ND		ug/kg	140	39.	1
o-Xylene	ND		ug/kg	69	20.	1
cis-1,2-Dichloroethene	ND		ug/kg	69	12.	1
Styrene	ND		ug/kg	69	14.	1
Dichlorodifluoromethane	ND		ug/kg	690	63.	1
Acetone	ND		ug/kg	690	330	1
Carbon disulfide	ND		ug/kg	690	320	1
2-Butanone	200	J	ug/kg	690	150	1
4-Methyl-2-pentanone	ND		ug/kg	690	89.	1
2-Hexanone	ND		ug/kg	690	82.	1
Bromochloromethane	ND		ug/kg	140	14.	1
1,2-Dibromoethane	ND		ug/kg	69	19.	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	210	69.	1
Isopropylbenzene	ND		ug/kg	69	7.6	1
1,2,3-Trichlorobenzene	ND		ug/kg	140	22.	1
1,2,4-Trichlorobenzene	ND		ug/kg	140	19.	1
Methyl Acetate	ND		ug/kg	280	66.	1
Cyclohexane	ND		ug/kg	690	38.	1
1,4-Dioxane	ND		ug/kg	5500	2400	1
Freon-113	ND		ug/kg	280	48.	1
Methyl cyclohexane	ND		ug/kg	280	42.	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/kg	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	76		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	97		70-130

Project Name: WOLLENSACK OPTICAL **Lab Number:** L2014553

Project Number: 2182207.13 **Report Date:** 04/06/20

SAMPLE RESULTS

Lab ID: L2014553-06 Date Collected: 04/03/20 15:00

Client ID: IWTRENCHREUSE-02-G-20200403 Date Received: 04/03/20

Sample Location: 886 HUDSON AVE., ROCHESTER, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 1,8260C

Analytical Date: 04/05/20 20:50

Analyst: JC

Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.5	2.1	1
1,1-Dichloroethane	ND		ug/kg	0.90	0.13	1
Chloroform	0.52	J	ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.90	0.21	1
1,2-Dichloropropane	ND		ug/kg	0.90	0.11	1
Dibromochloromethane	ND		ug/kg	0.90	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.90	0.24	1
Tetrachloroethene	0.27	J	ug/kg	0.45	0.18	1
Chlorobenzene	ND		ug/kg	0.45	0.11	1
Trichlorofluoromethane	ND		ug/kg	3.6	0.63	1
1,2-Dichloroethane	ND		ug/kg	0.90	0.23	1
1,1,1-Trichloroethane	ND		ug/kg	0.45	0.15	1
Bromodichloromethane	ND		ug/kg	0.45	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.90	0.25	1
cis-1,3-Dichloropropene	ND		ug/kg	0.45	0.14	1
Bromoform	ND		ug/kg	3.6	0.22	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.45	0.15	1
Benzene	ND		ug/kg	0.45	0.15	1
Toluene	ND		ug/kg	0.90	0.49	1
Ethylbenzene	ND		ug/kg	0.90	0.13	1
Chloromethane	ND		ug/kg	3.6	0.84	1
Bromomethane	ND		ug/kg	1.8	0.52	1
Vinyl chloride	ND		ug/kg	0.90	0.30	1
Chloroethane	ND		ug/kg	1.8	0.41	1
1,1-Dichloroethene	ND		ug/kg	0.90	0.22	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.12	1
Trichloroethene	28		ug/kg	0.45	0.12	1
1,2-Dichlorobenzene	ND		ug/kg	1.8	0.13	1

Project Name: WOLLENSACK OPTICAL **Lab Number:** L2014553

Project Number: 2182207.13 **Report Date:** 04/06/20

SAMPLE RESULTS

Lab ID: L2014553-06 Date Collected: 04/03/20 15:00

Client ID: IWTRENCHREUSE-02-G-20200403 Date Received: 04/03/20

Sample Location: 886 HUDSON AVE., ROCHESTER, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	1.8	0.13	1
1,4-Dichlorobenzene	ND		ug/kg	1.8	0.15	1
Methyl tert butyl ether	ND		ug/kg	1.8	0.18	1
p/m-Xylene	ND		ug/kg	1.8	0.51	1
o-Xylene	ND		ug/kg	0.90	0.26	1
cis-1,2-Dichloroethene	ND		ug/kg	0.90	0.16	1
Styrene	ND		ug/kg	0.90	0.18	1
Dichlorodifluoromethane	ND		ug/kg	9.0	0.83	1
Acetone	360	E	ug/kg	9.0	4.4	1
Carbon disulfide	ND		ug/kg	9.0	4.1	1
2-Butanone	30		ug/kg	9.0	2.0	1
4-Methyl-2-pentanone	ND		ug/kg	9.0	1.2	1
2-Hexanone	ND		ug/kg	9.0	1.1	1
Bromochloromethane	ND		ug/kg	1.8	0.18	1
1,2-Dibromoethane	ND		ug/kg	0.90	0.25	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.7	0.90	1
Isopropylbenzene	ND		ug/kg	0.90	0.10	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.8	0.29	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.8	0.25	1
Methyl Acetate	ND		ug/kg	3.6	0.86	1
Cyclohexane	ND		ug/kg	9.0	0.49	1
1,4-Dioxane	ND		ug/kg	72	32.	1
Freon-113	ND		ug/kg	3.6	0.63	1
Methyl cyclohexane	ND		ug/kg	3.6	0.54	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/kg	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	89		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	101		70-130

Project Name: WOLLENSACK OPTICAL **Lab Number:** L2014553

Project Number: 2182207.13 **Report Date:** 04/06/20

SAMPLE RESULTS

Lab ID: L2014553-06 Date Collected: 04/03/20 15:00

Client ID: IWTRENCHREUSE-02-G-20200403 Date Received: 04/03/20

Sample Location: 886 HUDSON AVE., ROCHESTER, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 1,8260C

Analytical Date: 04/06/20 08:17

Analyst: MV

Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	330	150	1
1,1-Dichloroethane	ND		ug/kg	66	9.5	1
Chloroform	ND		ug/kg	99	9.2	1
Carbon tetrachloride	ND		ug/kg	66	15.	1
1,2-Dichloropropane	ND		ug/kg	66	8.2	1
Dibromochloromethane	ND		ug/kg	66	9.2	1
1,1,2-Trichloroethane	ND		ug/kg	66	18.	1
Tetrachloroethene	ND		ug/kg	33	13.	1
Chlorobenzene	8.9	J	ug/kg	33	8.3	1
Trichlorofluoromethane	ND		ug/kg	260	46.	1
1,2-Dichloroethane	ND		ug/kg	66	17.	1
1,1,1-Trichloroethane	ND		ug/kg	33	11.	1
Bromodichloromethane	ND		ug/kg	33	7.2	1
trans-1,3-Dichloropropene	ND		ug/kg	66	18.	1
cis-1,3-Dichloropropene	ND		ug/kg	33	10.	1
Bromoform	ND		ug/kg	260	16.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	33	11.	1
Benzene	ND		ug/kg	33	11.	1
Toluene	ND		ug/kg	66	36.	1
Ethylbenzene	ND		ug/kg	66	9.3	1
Chloromethane	ND		ug/kg	260	61.	1
Bromomethane	ND		ug/kg	130	38.	1
Vinyl chloride	ND		ug/kg	66	22.	1
Chloroethane	ND		ug/kg	130	30.	1
1,1-Dichloroethene	ND		ug/kg	66	16.	1
trans-1,2-Dichloroethene	ND		ug/kg	99	9.0	1
Trichloroethene	320		ug/kg	33	9.0	1
1,2-Dichlorobenzene	ND		ug/kg	130	9.5	1

Project Name: WOLLENSACK OPTICAL **Lab Number:** L2014553

Project Number: 2182207.13 **Report Date:** 04/06/20

SAMPLE RESULTS

Lab ID: L2014553-06 Date Collected: 04/03/20 15:00

Client ID: IWTRENCHREUSE-02-G-20200403 Date Received: 04/03/20

Sample Location: 886 HUDSON AVE., ROCHESTER, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	130	9.7	1
1,4-Dichlorobenzene	12	J	ug/kg	130	11.	1
Methyl tert butyl ether	ND		ug/kg	130	13.	1
p/m-Xylene	ND		ug/kg	130	37.	1
o-Xylene	ND		ug/kg	66	19.	1
cis-1,2-Dichloroethene	ND		ug/kg	66	12.	1
Styrene	ND		ug/kg	66	13.	1
Dichlorodifluoromethane	ND		ug/kg	660	60.	1
Acetone	650	J	ug/kg	660	320	1
Carbon disulfide	ND		ug/kg	660	300	1
2-Butanone	220	J	ug/kg	660	140	1
4-Methyl-2-pentanone	ND		ug/kg	660	84.	1
2-Hexanone	ND		ug/kg	660	78.	1
Bromochloromethane	ND		ug/kg	130	13.	1
1,2-Dibromoethane	ND		ug/kg	66	18.	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	200	66.	1
Isopropylbenzene	ND		ug/kg	66	7.2	1
1,2,3-Trichlorobenzene	ND		ug/kg	130	21.	1
1,2,4-Trichlorobenzene	ND		ug/kg	130	18.	1
Methyl Acetate	ND		ug/kg	260	62.	1
Cyclohexane	ND		ug/kg	660	36.	1
1,4-Dioxane	ND		ug/kg	5200	2300	1
Freon-113	ND		ug/kg	260	46.	1
Methyl cyclohexane	ND		ug/kg	260	40.	1

Tentatively Identified Compounds					
Total TIC Compounds	487	J	ug/kg		1
Unknown	306	J	ug/kg		1
Unknown	181	J	ug/kg		1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	109		70-130

Project Name: WOLLENSACK OPTICAL **Lab Number:** L2014553

Project Number: 2182207.13 **Report Date:** 04/06/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/05/20 11:52
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 04-05 Batch: WG1358450-5					
Methylene chloride	ND		ug/kg	250	110
1,1-Dichloroethane	ND		ug/kg	50	7.2
Chloroform	9.6	J	ug/kg	75	7.0
Carbon tetrachloride	ND		ug/kg	50	12.
1,2-Dichloropropane	ND		ug/kg	50	6.2
Dibromochloromethane	ND		ug/kg	50	7.0
1,1,2-Trichloroethane	ND		ug/kg	50	13.
Tetrachloroethene	ND		ug/kg	25	9.8
Chlorobenzene	ND		ug/kg	25	6.4
Trichlorofluoromethane	ND		ug/kg	200	35.
1,2-Dichloroethane	ND		ug/kg	50	13.
1,1,1-Trichloroethane	ND		ug/kg	25	8.4
Bromodichloromethane	ND		ug/kg	25	5.4
trans-1,3-Dichloropropene	ND		ug/kg	50	14.
cis-1,3-Dichloropropene	ND		ug/kg	25	7.9
Bromoform	ND		ug/kg	200	12.
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	8.3
Benzene	ND		ug/kg	25	8.3
Toluene	ND		ug/kg	50	27.
Ethylbenzene	ND		ug/kg	50	7.0
Chloromethane	ND		ug/kg	200	47.
Bromomethane	ND		ug/kg	100	29.
Vinyl chloride	ND		ug/kg	50	17.
Chloroethane	ND		ug/kg	100	23.
1,1-Dichloroethene	ND		ug/kg	50	12.
trans-1,2-Dichloroethene	ND		ug/kg	75	6.8
Trichloroethene	ND		ug/kg	25	6.8
1,2-Dichlorobenzene	ND		ug/kg	100	7.2
1,3-Dichlorobenzene	ND		ug/kg	100	7.4

Project Name: WOLLENSACK OPTICAL **Lab Number:** L2014553

Project Number: 2182207.13 **Report Date:** 04/06/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/05/20 11:52
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 04-05 Batch: WG1358450-5					
1,4-Dichlorobenzene	ND		ug/kg	100	8.6
Methyl tert butyl ether	ND		ug/kg	100	10.
p/m-Xylene	ND		ug/kg	100	28.
o-Xylene	ND		ug/kg	50	14.
cis-1,2-Dichloroethene	ND		ug/kg	50	8.8
Styrene	ND		ug/kg	50	9.8
Dichlorodifluoromethane	ND		ug/kg	500	46.
Acetone	ND		ug/kg	500	240
Carbon disulfide	ND		ug/kg	500	230
2-Butanone	ND		ug/kg	500	110
4-Methyl-2-pentanone	ND		ug/kg	500	64.
2-Hexanone	ND		ug/kg	500	59.
Bromochloromethane	ND		ug/kg	100	10.
1,2-Dibromoethane	ND		ug/kg	50	14.
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	50.
Isopropylbenzene	ND		ug/kg	50	5.4
1,2,3-Trichlorobenzene	ND		ug/kg	100	16.
1,2,4-Trichlorobenzene	ND		ug/kg	100	14.
Methyl Acetate	ND		ug/kg	200	48.
Cyclohexane	ND		ug/kg	500	27.
1,4-Dioxane	ND		ug/kg	4000	1800
Freon-113	ND		ug/kg	200	35.
Methyl cyclohexane	ND		ug/kg	200	30.

Tentatively Identified Compounds

No Tentatively Identified Compounds ND ug/kg

Project Name: WOLLENSACK OPTICAL
Project Number: 2182207.13
Lab Number: L2014553
Report Date: 04/06/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/05/20 11:52
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 04-05 Batch: WG1358450-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	94		70-130

Project Name: WOLLENSACK OPTICAL **Lab Number:** L2014553

Project Number: 2182207.13 **Report Date:** 04/06/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/05/20 11:52
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 06 Batch: WG1358451-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	0.19	J	ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15

Project Name: WOLLENSACK OPTICAL **Lab Number:** L2014553

Project Number: 2182207.13 **Report Date:** 04/06/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/05/20 11:52
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 06 Batch: WG1358451-5					
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Isopropylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
Methyl Acetate	ND		ug/kg	4.0	0.95
Cyclohexane	ND		ug/kg	10	0.54
1,4-Dioxane	ND		ug/kg	80	35.
Freon-113	ND		ug/kg	4.0	0.69
Methyl cyclohexane	ND		ug/kg	4.0	0.60
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/kg		

Project Name: WOLLENSACK OPTICAL
Project Number: 2182207.13
Lab Number: L2014553
Report Date: 04/06/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/05/20 11:52
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 06 Batch: WG1358451-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	94		70-130

Project Name: WOLLENSACK OPTICAL **Lab Number:** L2014553

Project Number: 2182207.13 **Report Date:** 04/06/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/06/20 06:53
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06 Batch: WG1358536-5					
Methylene chloride	ND		ug/kg	250	110
1,1-Dichloroethane	ND		ug/kg	50	7.2
Chloroform	ND		ug/kg	75	7.0
Carbon tetrachloride	ND		ug/kg	50	12.
1,2-Dichloropropane	ND		ug/kg	50	6.2
Dibromochloromethane	ND		ug/kg	50	7.0
1,1,2-Trichloroethane	ND		ug/kg	50	13.
Tetrachloroethene	ND		ug/kg	25	9.8
Chlorobenzene	ND		ug/kg	25	6.4
Trichlorofluoromethane	ND		ug/kg	200	35.
1,2-Dichloroethane	ND		ug/kg	50	13.
1,1,1-Trichloroethane	ND		ug/kg	25	8.4
Bromodichloromethane	ND		ug/kg	25	5.4
trans-1,3-Dichloropropene	ND		ug/kg	50	14.
cis-1,3-Dichloropropene	ND		ug/kg	25	7.9
Bromoform	ND		ug/kg	200	12.
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	8.3
Benzene	ND		ug/kg	25	8.3
Toluene	ND		ug/kg	50	27.
Ethylbenzene	ND		ug/kg	50	7.0
Chloromethane	ND		ug/kg	200	47.
Bromomethane	35	J	ug/kg	100	29.
Vinyl chloride	ND		ug/kg	50	17.
Chloroethane	ND		ug/kg	100	23.
1,1-Dichloroethene	ND		ug/kg	50	12.
trans-1,2-Dichloroethene	ND		ug/kg	75	6.8
Trichloroethene	ND		ug/kg	25	6.8
1,2-Dichlorobenzene	ND		ug/kg	100	7.2
1,3-Dichlorobenzene	ND		ug/kg	100	7.4

Project Name: WOLLENSACK OPTICAL **Lab Number:** L2014553

Project Number: 2182207.13 **Report Date:** 04/06/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/06/20 06:53
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06 Batch: WG1358536-5					
1,4-Dichlorobenzene	ND		ug/kg	100	8.6
Methyl tert butyl ether	ND		ug/kg	100	10.
p/m-Xylene	ND		ug/kg	100	28.
o-Xylene	ND		ug/kg	50	14.
cis-1,2-Dichloroethene	ND		ug/kg	50	8.8
Styrene	ND		ug/kg	50	9.8
Dichlorodifluoromethane	ND		ug/kg	500	46.
Acetone	ND		ug/kg	500	240
Carbon disulfide	ND		ug/kg	500	230
2-Butanone	ND		ug/kg	500	110
4-Methyl-2-pentanone	ND		ug/kg	500	64.
2-Hexanone	ND		ug/kg	500	59.
Bromochloromethane	ND		ug/kg	100	10.
1,2-Dibromoethane	ND		ug/kg	50	14.
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	50.
Isopropylbenzene	ND		ug/kg	50	5.4
1,2,3-Trichlorobenzene	ND		ug/kg	100	16.
1,2,4-Trichlorobenzene	ND		ug/kg	100	14.
Methyl Acetate	ND		ug/kg	200	48.
Cyclohexane	ND		ug/kg	500	27.
1,4-Dioxane	ND		ug/kg	4000	1800
Freon-113	ND		ug/kg	200	35.
Methyl cyclohexane	ND		ug/kg	200	30.

Tentatively Identified Compounds

Total TIC Compounds	539	J	ug/kg
Unknown	199	J	ug/kg

Project Name: WOLLENSACK OPTICAL **Lab Number:** L2014553

Project Number: 2182207.13 **Report Date:** 04/06/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/06/20 06:53
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06 Batch: WG1358536-5					
Tentatively Identified Compounds					
Unknown	132	J	ug/kg		
Cyclotrisiloxane, Hexamethyl-	208	NJ	ug/kg		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	114		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: WOLLENSACK OPTICAL
Project Number: 2182207.13
Lab Number: L2014553
Report Date: 04/06/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 04-05 Batch: WG1358450-3 WG1358450-4								
Methylene chloride	98		99		70-130	1		30
1,1-Dichloroethane	126		130		70-130	3		30
Chloroform	113		118		70-130	4		30
Carbon tetrachloride	121		127		70-130	5		30
1,2-Dichloropropane	121		**136**	Q	70-130	12		30
Dibromochloromethane	98		77		70-130	24		30
1,1,2-Trichloroethane	106		81		70-130	27		30
Tetrachloroethene	100		80		70-130	22		30
Chlorobenzene	94		99		70-130	5		30
Trichlorofluoromethane	120		124		70-139	3		30
1,2-Dichloroethane	120		126		70-130	5		30
1,1,1-Trichloroethane	111		115		70-130	4		30
Bromodichloromethane	107		**134**	Q	70-130	22		30
trans-1,3-Dichloropropene	115		89		70-130	25		30
cis-1,3-Dichloropropene	111		119		70-130	7		30
Bromoform	90		90		70-130	0		30
1,1,2,2-Tetrachloroethane	111		87		70-130	24		30
Benzene	109		112		70-130	3		30
Toluene	99		83		70-130	18		30
Ethylbenzene	101		103		70-130	2		30
Chloromethane	128		**132**	Q	52-130	3		30
Bromomethane	141		139		57-147	1		30
Vinyl chloride	**134**	Q	**139**	Q	67-130	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: WOLLENSACK OPTICAL
Project Number: 2182207.13

Lab Number: L2014553
Report Date: 04/06/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 04-05 Batch: WG1358450-3 WG1358450-4								
Chloroethane	125		133		50-151	6		30
1,1-Dichloroethene	114		112		65-135	2		30
trans-1,2-Dichloroethene	114		115		70-130	1		30
Trichloroethene	106		112		70-130	6		30
1,2-Dichlorobenzene	91		100		70-130	9		30
1,3-Dichlorobenzene	96		99		70-130	3		30
1,4-Dichlorobenzene	92		99		70-130	7		30
Methyl tert butyl ether	109		114		66-130	4		30
p/m-Xylene	98		88		70-130	11		30
o-Xylene	96		79		70-130	19		30
cis-1,2-Dichloroethene	110		113		70-130	3		30
Styrene	96		80		70-130	18		30
Dichlorodifluoromethane	56		58		30-146	4		30
Acetone	121		108		54-140	11		30
Carbon disulfide	100		98		59-130	2		30
2-Butanone	109		109		70-130	0		30
4-Methyl-2-pentanone	118		94		70-130	23		30
2-Hexanone	97		83		70-130	16		30
Bromochloromethane	104		108		70-130	4		30
1,2-Dibromoethane	99		88		70-130	12		30
1,2-Dibromo-3-chloropropane	88		100		68-130	13		30
Isopropylbenzene	100		97		70-130	3		30
1,2,3-Trichlorobenzene	99		98		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: WOLLENSACK OPTICAL

Project Number: 2182207.13

Lab Number: L2014553

Report Date: 04/06/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 04-05 Batch: WG1358450-3 WG1358450-4								
1,2,4-Trichlorobenzene	106		102		70-130	4		30
Methyl Acetate	116		117		51-146	1		30
Cyclohexane	127		130		59-142	2		30
1,4-Dioxane	111		**139**	Q	65-136	22		30
Freon-113	115		114		50-139	1		30
Methyl cyclohexane	108		113		70-130	5		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	108		109		70-130
Toluene-d8	96		76		70-130
4-Bromofluorobenzene	121		98		70-130
Dibromofluoromethane	101		102		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: WOLLENSACK OPTICAL
Project Number: 2182207.13
Lab Number: L2014553
Report Date: 04/06/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 06 Batch: WG1358451-3 WG1358451-4								
Methylene chloride	98		99		70-130	1		30
1,1-Dichloroethane	126		130		70-130	3		30
Chloroform	113		118		70-130	4		30
Carbon tetrachloride	121		127		70-130	5		30
1,2-Dichloropropane	121		**136**	Q	70-130	12		30
Dibromochloromethane	98		77		70-130	24		30
1,1,2-Trichloroethane	106		81		70-130	27		30
Tetrachloroethene	100		80		70-130	22		30
Chlorobenzene	94		99		70-130	5		30
Trichlorofluoromethane	120		124		70-139	3		30
1,2-Dichloroethane	120		126		70-130	5		30
1,1,1-Trichloroethane	111		115		70-130	4		30
Bromodichloromethane	107		**134**	Q	70-130	22		30
trans-1,3-Dichloropropene	115		89		70-130	25		30
cis-1,3-Dichloropropene	111		119		70-130	7		30
Bromoform	90		90		70-130	0		30
1,1,2,2-Tetrachloroethane	111		87		70-130	24		30
Benzene	109		112		70-130	3		30
Toluene	99		83		70-130	18		30
Ethylbenzene	101		103		70-130	2		30
Chloromethane	128		**132**	Q	52-130	3		30
Bromomethane	141		139		57-147	1		30
Vinyl chloride	**134**	Q	**139**	Q	67-130	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: WOLLENSACK OPTICAL
Project Number: 2182207.13
Lab Number: L2014553
Report Date: 04/06/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 06 Batch: WG1358451-3 WG1358451-4								
Chloroethane	125		133		50-151	6		30
1,1-Dichloroethene	114		112		65-135	2		30
trans-1,2-Dichloroethene	114		115		70-130	1		30
Trichloroethene	106		112		70-130	6		30
1,2-Dichlorobenzene	91		100		70-130	9		30
1,3-Dichlorobenzene	96		99		70-130	3		30
1,4-Dichlorobenzene	92		99		70-130	7		30
Methyl tert butyl ether	109		114		66-130	4		30
p/m-Xylene	98		88		70-130	11		30
o-Xylene	96		79		70-130	19		30
cis-1,2-Dichloroethene	110		113		70-130	3		30
Styrene	96		80		70-130	18		30
Dichlorodifluoromethane	56		58		30-146	4		30
Acetone	121		108		54-140	11		30
Carbon disulfide	100		98		59-130	2		30
2-Butanone	109		109		70-130	0		30
4-Methyl-2-pentanone	118		94		70-130	23		30
2-Hexanone	97		83		70-130	16		30
Bromochloromethane	104		108		70-130	4		30
1,2-Dibromoethane	99		88		70-130	12		30
1,2-Dibromo-3-chloropropane	88		100		68-130	13		30
Isopropylbenzene	100		97		70-130	3		30
1,2,3-Trichlorobenzene	99		98		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: WOLLENSACK OPTICAL

Project Number: 2182207.13

Lab Number: L2014553

Report Date: 04/06/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 06 Batch: WG1358451-3 WG1358451-4								
1,2,4-Trichlorobenzene	106		102		70-130	4		30
Methyl Acetate	116		117		51-146	1		30
Cyclohexane	127		130		59-142	2		30
1,4-Dioxane	111		**139**	Q	65-136	22		30
Freon-113	115		114		50-139	1		30
Methyl cyclohexane	108		113		70-130	5		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	108		109		70-130
Toluene-d8	96		76		70-130
4-Bromofluorobenzene	121		98		70-130
Dibromofluoromethane	101		102		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: WOLLENSACK OPTICAL
Project Number: 2182207.13
Lab Number: L2014553
Report Date: 04/06/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06 Batch: WG1358536-3 WG1358536-4								
Methylene chloride	112		102		70-130	9		30
1,1-Dichloroethane	114		100		70-130	13		30
Chloroform	103		92		70-130	11		30
Carbon tetrachloride	94		85		70-130	10		30
1,2-Dichloropropane	108		98		70-130	10		30
Dibromochloromethane	81		77		70-130	5		30
1,1,2-Trichloroethane	83		82		70-130	1		30
Tetrachloroethene	100		89		70-130	12		30
Chlorobenzene	100		89		70-130	12		30
Trichlorofluoromethane	100		84		70-139	17		30
1,2-Dichloroethane	106		97		70-130	9		30
1,1,1-Trichloroethane	98		87		70-130	12		30
Bromodichloromethane	89		83		70-130	7		30
trans-1,3-Dichloropropene	87		81		70-130	7		30
cis-1,3-Dichloropropene	91		85		70-130	7		30
Bromoform	77		73		70-130	5		30
1,1,2,2-Tetrachloroethane	76		73		70-130	4		30
Benzene	97		86		70-130	12		30
Toluene	97		86		70-130	12		30
Ethylbenzene	101		88		70-130	14		30
Chloromethane	**135**	Q	116		52-130	15		30
Bromomethane	90		76		57-147	17		30
Vinyl chloride	100		85		67-130	16		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: WOLLENSACK OPTICAL
Project Number: 2182207.13
Lab Number: L2014553
Report Date: 04/06/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06 Batch: WG1358536-3 WG1358536-4								
Chloroethane	109		95		50-151	14		30
1,1-Dichloroethene	102		89		65-135	14		30
trans-1,2-Dichloroethene	102		88		70-130	15		30
Trichloroethene	94		84		70-130	11		30
1,2-Dichlorobenzene	105		90		70-130	15		30
1,3-Dichlorobenzene	102		91		70-130	11		30
1,4-Dichlorobenzene	104		90		70-130	14		30
Methyl tert butyl ether	82		81		66-130	1		30
p/m-Xylene	98		85		70-130	14		30
o-Xylene	99		87		70-130	13		30
cis-1,2-Dichloroethene	104		92		70-130	12		30
Styrene	102		91		70-130	11		30
Dichlorodifluoromethane	53		46		30-146	14		30
Acetone	91		86		54-140	6		30
Carbon disulfide	89		76		59-130	16		30
2-Butanone	78		83		70-130	6		30
4-Methyl-2-pentanone	82		88		70-130	7		30
2-Hexanone	**68**	Q	72		70-130	6		30
Bromochloromethane	106		96		70-130	10		30
1,2-Dibromoethane	88		84		70-130	5		30
1,2-Dibromo-3-chloropropane	70		**66**	Q	68-130	6		30
Isopropylbenzene	98		84		70-130	15		30
1,2,3-Trichlorobenzene	112		100		70-130	11		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: WOLLENSACK OPTICAL

Project Number: 2182207.13

Lab Number: L2014553

Report Date: 04/06/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06 Batch: WG1358536-3 WG1358536-4								
1,2,4-Trichlorobenzene	115		100		70-130	14		30
Methyl Acetate	76		80		51-146	5		30
Cyclohexane	108		97		59-142	11		30
1,4-Dioxane	84		88		65-136	5		30
Freon-113	100		89		50-139	12		30
Methyl cyclohexane	97		87		70-130	11		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	98		100		70-130
Toluene-d8	96		96		70-130
4-Bromofluorobenzene	97		91		70-130
Dibromofluoromethane	105		102		70-130

Matrix Spike Analysis

Batch Quality Control

Project Name: WOLLENSACK OPTICAL

Project Number: 2182207.13

Lab Number: L2014553

Report Date: 04/06/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 04-05 QC Batch ID: WG1358450-6 WG1358450-7 QC Sample: L2014553-04 Client ID: IWTRENCHREUSE-01-G-20200403												
Methylene chloride	ND	6500	8500	130		6100	94		70-130	**32**	Q	30
1,1-Dichloroethane	ND	6500	10000	**154**	Q	9100	**140**	Q	70-130	10		30
Chloroform	12J	6500	8400	130		8000	123		70-130	5		30
Carbon tetrachloride	ND	6500	9100	**140**	Q	9000	**138**	Q	70-130	2		30
1,2-Dichloropropane	ND	6500	9200	**142**	Q	8900	**136**	Q	70-130	4		30
Dibromochloromethane	ND	6500	6100	94		5900	91		70-130	4		30
1,1,2-Trichloroethane	ND	6500	6500	100		6300	97		70-130	3		30
Tetrachloroethene	ND	6500	5300	81		5100	79		70-130	3		30
Chlorobenzene	ND	6500	5200	81		5200	79		70-130	2		30
Trichlorofluoromethane	ND	6500	7100	109		6600	102		70-139	6		30
1,2-Dichloroethane	ND	6500	9000	**138**	Q	9000	**138**	Q	70-130	0		30
1,1,1-Trichloroethane	ND	6500	8300	127		8100	125		70-130	1		30
Bromodichloromethane	ND	6500	7900	122		7700	119		70-130	2		30
trans-1,3-Dichloropropene	ND	6500	6700	103		6500	100		70-130	3		30
cis-1,3-Dichloropropene	ND	6500	7600	117		7600	117		70-130	0		30
Bromoform	ND	6500	6300	96		5600	86		70-130	12		30
1,1,2,2-Tetrachloroethane	ND	6500	4900	75		4900	76		70-130	1		30
Benzene	ND	6500	7900	121		7500	115		70-130	5		30
Toluene	ND	6500	5800	90		5700	87		70-130	3		30
Ethylbenzene	ND	6500	5100	78		6000	93		70-130	18		30
Chloromethane	ND	6500	11000	**166**	Q	10000	**160**	Q	52-130	4		30
Bromomethane	ND	6500	9800	**151**	Q	9400	144		57-147	5		30
Vinyl chloride	ND	6500	11000	**175**	Q	11000	**169**	Q	67-130	4		30

Matrix Spike Analysis
Batch Quality Control

Project Name: WOLLENSACK OPTICAL
Project Number: 2182207.13
Lab Number: L2014553
Report Date: 04/06/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 04-05 QC Batch ID: WG1358450-6 WG1358450-7 QC Sample: L2014553-04 Client ID: IWTRENCHREUSE-01-G-20200403												
Chloroethane	ND	6500	5400	83		5000	76		50-151	8		30
1,1-Dichloroethene	ND	6500	8800	**136**	Q	8200	126		65-135	8		30
trans-1,2-Dichloroethene	ND	6500	8600	**132**	Q	7900	121		70-130	9		30
Trichloroethene	2500	6500	10000	118		9600	109		70-130	6		30
1,2-Dichlorobenzene	ND	6500	4000	**62**	Q	4100	**63**	Q	70-130	1		30
1,3-Dichlorobenzene	ND	6500	4400	**68**	Q	4000	**61**	Q	70-130	11		30
1,4-Dichlorobenzene	ND	6500	3800	**59**	Q	3700	**57**	Q	70-130	3		30
Methyl tert butyl ether	ND	6500	8800	**135**	Q	8000	124		66-130	9		30
p/m-Xylene	ND	13000	9300	71		9900	76		70-130	6		30
o-Xylene	ND	13000	9400	72		9100	70		70-130	4		30
cis-1,2-Dichloroethene	ND	6500	8400	130		7700	119		70-130	9		30
Styrene	ND	13000	9900	76		9100	70		70-130	8		30
Dichlorodifluoromethane	ND	6500	5800	89		5400	82		30-146	8		30
Acetone	ND	6500	11000	**168**	Q	9800	**151**	Q	54-140	10		30
Carbon disulfide	ND	6500	7600	117		7000	107		59-130	9		30
2-Butanone	ND	6500	9600	**148**	Q	9300	**143**	Q	70-130	3		30
4-Methyl-2-pentanone	ND	6500	7800	120		7600	117		70-130	3		30
2-Hexanone	ND	6500	7500	116		8800	**135**	Q	70-130	15		30
Bromochloromethane	ND	6500	8000	122		7500	115		70-130	6		30
1,2-Dibromoethane	ND	6500	6700	102		6500	99		70-130	3		30
1,2-Dibromo-3-chloropropane	ND	6500	6000	92		5700	88		68-130	4		30
Isopropylbenzene	ND	6500	4400	**67**	Q	4100	**64**	Q	70-130	6		30
1,2,3-Trichlorobenzene	ND	6500	4200	**65**	Q	4000	**61**	Q	70-130	6		30

Matrix Spike Analysis

Batch Quality Control

Project Name: WOLLENSACK OPTICAL

Project Number: 2182207.13

Lab Number: L2014553

Report Date: 04/06/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 04-05 QC Batch ID: WG1358450-6 WG1358450-7 QC Sample: L2014553-04 Client ID: IWTRENCHREUSE-01-G-20200403												
1,2,4-Trichlorobenzene	ND	6500	3900	**60**	Q	3700	**57**	Q	70-130	6		30
Methyl Acetate	ND	6500	13000	**200**	Q	11000	**172**	Q	51-146	15		30
Cyclohexane	ND	6500	9900	**153**	Q	9100	141		59-142	8		30
1,4-Dioxane	ND	320000	440000	**138**	Q	470000	**148**	Q	65-136	7		30
Freon-113	ND	6500	9000	138		8400	130		50-139	6		30
Methyl cyclohexane	ND	6500	8000	123		7700	119		70-130	4		30

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		108		70-130
4-Bromofluorobenzene	95		91		70-130
Dibromofluoromethane	102		101		70-130
Toluene-d8	91		89		70-130

SEMIVOLATILES

Project Name: WOLLENSACK OPTICAL **Lab Number:** L2014553

Project Number: 2182207.13 **Report Date:** 04/06/20

SAMPLE RESULTS

Lab ID: L2014553-01
Client ID: IWTRENCHREUSE-01-C-20200403
Sample Location: 886 HUDSON AVE., ROCHESTER, NY

Date Collected: 04/03/20 12:00
Date Received: 04/03/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 04/05/20 09:56
Analyst: EK
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 04/04/20 04:23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	19.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	25.	1
2-Chloronaphthalene	ND		ug/kg	190	18.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	37.	1
2,6-Dinitrotoluene	ND		ug/kg	190	32.	1
Fluoranthene	59	J	ug/kg	110	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	19.	1
Hexachlorobutadiene	ND		ug/kg	190	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	ND		ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	29.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	65.	1
Butyl benzyl phthalate	ND		ug/kg	190	47.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	64.	1
Diethyl phthalate	ND		ug/kg	190	17.	1
Dimethyl phthalate	ND		ug/kg	190	39.	1
Benzo(a)anthracene	40	J	ug/kg	110	21.	1
Benzo(a)pyrene	ND		ug/kg	150	46.	1

Project Name: WOLLENSACK OPTICAL **Lab Number:** L2014553

Project Number: 2182207.13 **Report Date:** 04/06/20

SAMPLE RESULTS

Lab ID: L2014553-01 Date Collected: 04/03/20 12:00

Client ID: IWTRENCHREUSE-01-C-20200403 Date Received: 04/03/20

Sample Location: 886 HUDSON AVE., ROCHESTER, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	46	J	ug/kg	110	32.	1
Benzo(k)fluoranthene	ND		ug/kg	110	30.	1
Chrysene	71	J	ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	ND		ug/kg	110	36.	1
Benzo(ghi)perylene	22	J	ug/kg	150	22.	1
Fluorene	ND		ug/kg	190	18.	1
Phenanthrene	73	J	ug/kg	110	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	26.	1
Pyrene	62	J	ug/kg	110	19.	1
Biphenyl	ND		ug/kg	430	43.	1
4-Chloroaniline	ND		ug/kg	190	34.	1
2-Nitroaniline	ND		ug/kg	190	36.	1
3-Nitroaniline	ND		ug/kg	190	35.	1
4-Nitroaniline	ND		ug/kg	190	78.	1
Dibenzofuran	ND		ug/kg	190	18.	1
2-Methylnaphthalene	ND		ug/kg	220	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	190	62.	1
2-Nitrophenol	ND		ug/kg	400	70.	1
4-Nitrophenol	ND		ug/kg	260	76.	1
2,4-Dinitrophenol	ND		ug/kg	900	87.	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	90.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	190	28.	1
2-Methylphenol	ND		ug/kg	190	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	29.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	36.	1
Carbazole	ND		ug/kg	190	18.	1
Atrazine	ND		ug/kg	150	66.	1
Benzaldehyde	ND		ug/kg	250	51.	1

Project Name: WOLLENSACK OPTICAL **Lab Number:** L2014553

Project Number: 2182207.13 **Report Date:** 04/06/20

SAMPLE RESULTS

Lab ID: L2014553-01 Date Collected: 04/03/20 12:00

Client ID: IWTRENCHREUSE-01-C-20200403 Date Received: 04/03/20

Sample Location: 886 HUDSON AVE., ROCHESTER, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	190	57.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	190	38.	1
1,4-Dioxane	ND		ug/kg	28	8.6	1
Tentatively Identified Compounds						
Total TIC Compounds	1000	J	ug/kg			1
Sulfur	272	NJ	ug/kg			1
Unknown Alkane	187	J	ug/kg			1
Unknown	200	J	ug/kg			1
Unknown PAH	166	J	ug/kg			1
Unknown	176	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	79		25-120
Phenol-d6	78		10-120
Nitrobenzene-d5	85		23-120
2-Fluorobiphenyl	75		30-120
2,4,6-Tribromophenol	63		10-136
4-Terphenyl-d14	82		18-120

Project Name: WOLLENSACK OPTICAL **Lab Number:** L2014553

Project Number: 2182207.13 **Report Date:** 04/06/20

SAMPLE RESULTS

Lab ID: L2014553-02
Client ID: IWTRENCHREUSE-02-C-20200403
Sample Location: 886 HUDSON AVE., ROCHESTER, NY

Date Collected: 04/03/20 14:30
Date Received: 04/03/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 04/05/20 10:19
Analyst: EK
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 04/04/20 04:23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	20.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	38.	1
2,6-Dinitrotoluene	ND		ug/kg	190	32.	1
Fluoranthene	ND		ug/kg	110	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	170	1
Hexachloroethane	ND		ug/kg	150	31.	1
Isophorone	ND		ug/kg	170	25.	1
Naphthalene	ND		ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	29.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	66.	1
Butyl benzyl phthalate	ND		ug/kg	190	48.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	64.	1
Diethyl phthalate	ND		ug/kg	190	18.	1
Dimethyl phthalate	ND		ug/kg	190	40.	1
Benzo(a)anthracene	ND		ug/kg	110	21.	1
Benzo(a)pyrene	ND		ug/kg	150	46.	1

Project Name: WOLLENSACK OPTICAL **Lab Number:** L2014553

Project Number: 2182207.13 **Report Date:** 04/06/20

SAMPLE RESULTS

Lab ID: L2014553-02 Date Collected: 04/03/20 14:30

Client ID: IWTRENCHREUSE-02-C-20200403 Date Received: 04/03/20

Sample Location: 886 HUDSON AVE., ROCHESTER, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	ND		ug/kg	110	32.	1
Benzo(k)fluoranthene	ND		ug/kg	110	30.	1
Chrysene	ND		ug/kg	110	20.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	ND		ug/kg	110	37.	1
Benzo(ghi)perylene	ND		ug/kg	150	22.	1
Fluorene	ND		ug/kg	190	18.	1
Phenanthrene	ND		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	26.	1
Pyrene	ND		ug/kg	110	19.	1
Biphenyl	ND		ug/kg	430	44.	1
4-Chloroaniline	ND		ug/kg	190	34.	1
2-Nitroaniline	ND		ug/kg	190	36.	1
3-Nitroaniline	ND		ug/kg	190	36.	1
4-Nitroaniline	ND		ug/kg	190	78.	1
Dibenzofuran	ND		ug/kg	190	18.	1
2-Methylnaphthalene	ND		ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	190	62.	1
2-Nitrophenol	ND		ug/kg	410	71.	1
4-Nitrophenol	ND		ug/kg	260	77.	1
2,4-Dinitrophenol	ND		ug/kg	910	88.	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	91.	1
Pentachlorophenol	ND		ug/kg	150	42.	1
Phenol	ND		ug/kg	190	29.	1
2-Methylphenol	ND		ug/kg	190	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	30.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	36.	1
Carbazole	ND		ug/kg	190	18.	1
Atrazine	ND		ug/kg	150	66.	1
Benzaldehyde	ND		ug/kg	250	51.	1

Project Name: WOLLENSACK OPTICAL **Lab Number:** L2014553

Project Number: 2182207.13 **Report Date:** 04/06/20

SAMPLE RESULTS

Lab ID: L2014553-02 Date Collected: 04/03/20 14:30

Client ID: IWTRENCHREUSE-02-C-20200403 Date Received: 04/03/20

Sample Location: 886 HUDSON AVE., ROCHESTER, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	190	58.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	190	38.	1
1,4-Dioxane	ND		ug/kg	28	8.7	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	42		25-120
Phenol-d6	41		10-120
Nitrobenzene-d5	43		23-120
2-Fluorobiphenyl	38		30-120
2,4,6-Tribromophenol	31		10-136
4-Terphenyl-d14	37		18-120

Project Name: WOLLENSACK OPTICAL **Lab Number:** L2014553

Project Number: 2182207.13 **Report Date:** 04/06/20

SAMPLE RESULTS

Lab ID: L2014553-03
Client ID: DUPE-C-20200403
Sample Location: 886 HUDSON AVE., ROCHESTER, NY

Date Collected: 04/03/20 12:30
Date Received: 04/03/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 04/05/20 10:43
Analyst: EK
Percent Solids: 81%

Extraction Method: EPA 3546
Extraction Date: 04/04/20 04:23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	21.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	27.	1
2-Chloronaphthalene	ND		ug/kg	200	20.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	54.	1
2,4-Dinitrotoluene	ND		ug/kg	200	40.	1
2,6-Dinitrotoluene	ND		ug/kg	200	34.	1
Fluoranthene	59	J	ug/kg	120	23.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	22.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	31.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	34.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	20.	1
Hexachlorobutadiene	ND		ug/kg	200	30.	1
Hexachlorocyclopentadiene	ND		ug/kg	580	180	1
Hexachloroethane	ND		ug/kg	160	33.	1
Isophorone	ND		ug/kg	180	26.	1
Naphthalene	ND		ug/kg	200	24.	1
Nitrobenzene	ND		ug/kg	180	30.	1
NDPA/DPA	ND		ug/kg	160	23.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	31.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	70.	1
Butyl benzyl phthalate	ND		ug/kg	200	51.	1
Di-n-butylphthalate	ND		ug/kg	200	38.	1
Di-n-octylphthalate	ND		ug/kg	200	68.	1
Diethyl phthalate	ND		ug/kg	200	19.	1
Dimethyl phthalate	ND		ug/kg	200	42.	1
Benzo(a)anthracene	32	J	ug/kg	120	23.	1
Benzo(a)pyrene	ND		ug/kg	160	49.	1

Project Name: WOLLENSACK OPTICAL **Lab Number:** L2014553

Project Number: 2182207.13 **Report Date:** 04/06/20

SAMPLE RESULTS

Lab ID: L2014553-03 Date Collected: 04/03/20 12:30

Client ID: DUPE-C-20200403 Date Received: 04/03/20

Sample Location: 886 HUDSON AVE., ROCHESTER, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	40	J	ug/kg	120	34.	1
Benzo(k)fluoranthene	ND		ug/kg	120	32.	1
Chrysene	55	J	ug/kg	120	21.	1
Acenaphthylene	ND		ug/kg	160	31.	1
Anthracene	ND		ug/kg	120	39.	1
Benzo(ghi)perylene	ND		ug/kg	160	24.	1
Fluorene	ND		ug/kg	200	20.	1
Phenanthrene	42	J	ug/kg	120	24.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	28.	1
Pyrene	54	J	ug/kg	120	20.	1
Biphenyl	ND		ug/kg	460	47.	1
4-Chloroaniline	ND		ug/kg	200	37.	1
2-Nitroaniline	ND		ug/kg	200	39.	1
3-Nitroaniline	ND		ug/kg	200	38.	1
4-Nitroaniline	ND		ug/kg	200	83.	1
Dibenzofuran	ND		ug/kg	200	19.	1
2-Methylnaphthalene	ND		ug/kg	240	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	21.	1
Acetophenone	ND		ug/kg	200	25.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	38.	1
p-Chloro-m-cresol	ND		ug/kg	200	30.	1
2-Chlorophenol	ND		ug/kg	200	24.	1
2,4-Dichlorophenol	ND		ug/kg	180	32.	1
2,4-Dimethylphenol	ND		ug/kg	200	66.	1
2-Nitrophenol	ND		ug/kg	440	76.	1
4-Nitrophenol	ND		ug/kg	280	82.	1
2,4-Dinitrophenol	ND		ug/kg	970	94.	1
4,6-Dinitro-o-cresol	ND		ug/kg	520	97.	1
Pentachlorophenol	ND		ug/kg	160	44.	1
Phenol	ND		ug/kg	200	30.	1
2-Methylphenol	ND		ug/kg	200	31.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	290	32.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	39.	1
Carbazole	ND		ug/kg	200	20.	1
Atrazine	ND		ug/kg	160	70.	1
Benzaldehyde	ND		ug/kg	270	54.	1

Project Name: WOLLENSACK OPTICAL **Lab Number:** L2014553

Project Number: 2182207.13 **Report Date:** 04/06/20

SAMPLE RESULTS

Lab ID: L2014553-03 Date Collected: 04/03/20 12:30

Client ID: DUPE-C-20200403 Date Received: 04/03/20

Sample Location: 886 HUDSON AVE., ROCHESTER, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	200	61.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	200	41.	1
1,4-Dioxane	ND		ug/kg	30	9.3	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	67		25-120
Phenol-d6	67		10-120
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	65		30-120
2,4,6-Tribromophenol	53		10-136
4-Terphenyl-d14	64		18-120

Project Name: WOLLENSACK OPTICAL
Project Number: 2182207.13
Lab Number: L2014553
Report Date: 04/06/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/05/20 06:00
Analyst: EK

Extraction Method: EPA 3546
Extraction Date: 04/04/20 04:23

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1358217-1					
Acenaphthene	ND		ug/kg	130	17.
Hexachlorobenzene	ND		ug/kg	99	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	99	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	18.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	27.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	26.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	57.
Butyl benzyl phthalate	ND		ug/kg	160	42.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.
Dimethyl phthalate	ND		ug/kg	160	35.
Benzo(a)anthracene	ND		ug/kg	99	19.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	28.

Project Name: WOLLENSACK OPTICAL
Project Number: 2182207.13
Lab Number: L2014553
Report Date: 04/06/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/05/20 06:00
Analyst: EK

Extraction Method: EPA 3546
Extraction Date: 04/04/20 04:23

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1358217-1					
Benzo(k)fluoranthene	ND		ug/kg	99	26.
Chrysene	ND		ug/kg	99	17.
Acenaphthylene	ND		ug/kg	130	26.
Anthracene	ND		ug/kg	99	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	99	20.
Dibenzo(a,h)anthracene	ND		ug/kg	99	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	99	16.
Biphenyl	ND		ug/kg	380	38.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	99	31.
p-Chloro-m-cresol	ND		ug/kg	160	25.
2-Chlorophenol	ND		ug/kg	160	20.
2,4-Dichlorophenol	ND		ug/kg	150	27.
2,4-Dimethylphenol	ND		ug/kg	160	55.
2-Nitrophenol	ND		ug/kg	360	62.
4-Nitrophenol	ND		ug/kg	230	68.
2,4-Dinitrophenol	ND		ug/kg	790	77.
4,6-Dinitro-o-cresol	ND		ug/kg	430	79.
Pentachlorophenol	ND		ug/kg	130	36.

Project Name: WOLLENSACK OPTICAL
Project Number: 2182207.13
Lab Number: L2014553
Report Date: 04/06/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/05/20 06:00
Analyst: EK

Extraction Method: EPA 3546
Extraction Date: 04/04/20 04:23

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1358217-1					
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	26.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	32.
Carbazole	ND		ug/kg	160	16.
Atrazine	ND		ug/kg	130	58.
Benzaldehyde	ND		ug/kg	220	45.
Caprolactam	ND		ug/kg	160	50.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	33.
1,4-Dioxane	ND		ug/kg	25	7.6
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/kg		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	64		25-120
Phenol-d6	61		10-120
Nitrobenzene-d5	62		23-120
2-Fluorobiphenyl	61		30-120
2,4,6-Tribromophenol	51		10-136
4-Terphenyl-d14	71		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: WOLLENSACK OPTICAL
Project Number: 2182207.13
Lab Number: L2014553
Report Date: 04/06/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1358217-2 WG1358217-3								
Acenaphthene	56		67		31-137	18		50
Hexachlorobenzene	54		66		40-140	20		50
Bis(2-chloroethyl)ether	54		64		40-140	17		50
2-Chloronaphthalene	56		64		40-140	13		50
3,3'-Dichlorobenzidine	43		53		40-140	21		50
2,4-Dinitrotoluene	64		78		40-132	20		50
2,6-Dinitrotoluene	62		71		40-140	14		50
Fluoranthene	60		72		40-140	18		50
4-Chlorophenyl phenyl ether	57		69		40-140	19		50
4-Bromophenyl phenyl ether	57		70		40-140	20		50
Bis(2-chloroisopropyl)ether	56		66		40-140	16		50
Bis(2-chloroethoxy)methane	57		66		40-117	15		50
Hexachlorobutadiene	54		63		40-140	15		50
Hexachlorocyclopentadiene	49		56		40-140	13		50
Hexachloroethane	56		64		40-140	13		50
Isophorone	57		66		40-140	15		50
Naphthalene	56		63		40-140	12		50
Nitrobenzene	58		69		40-140	17		50
NDPA/DPA	62		74		36-157	18		50
n-Nitrosodi-n-propylamine	58		67		32-121	14		50
Bis(2-ethylhexyl)phthalate	57		67		40-140	16		50
Butyl benzyl phthalate	60		73		40-140	20		50
Di-n-butylphthalate	59		69		40-140	16		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: WOLLENSACK OPTICAL
Project Number: 2182207.13
Lab Number: L2014553
Report Date: 04/06/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1358217-2 WG1358217-3								
Di-n-octylphthalate	57		68		40-140	18		50
Diethyl phthalate	59		70		40-140	17		50
Dimethyl phthalate	56		64		40-140	13		50
Benzo(a)anthracene	55		66		40-140	18		50
Benzo(a)pyrene	59		70		40-140	17		50
Benzo(b)fluoranthene	59		70		40-140	17		50
Benzo(k)fluoranthene	61		72		40-140	17		50
Chrysene	56		67		40-140	18		50
Acenaphthylene	55		63		40-140	14		50
Anthracene	59		69		40-140	16		50
Benzo(ghi)perylene	58		70		40-140	19		50
Fluorene	58		69		40-140	17		50
Phenanthrene	57		66		40-140	15		50
Dibenzo(a,h)anthracene	61		73		40-140	18		50
Indeno(1,2,3-cd)pyrene	57		71		40-140	22		50
Pyrene	59		70		35-142	17		50
Biphenyl	51		58		37-127	13		50
4-Chloroaniline	44		49		40-140	11		50
2-Nitroaniline	61		72		47-134	17		50
3-Nitroaniline	56		66		26-129	16		50
4-Nitroaniline	56		68		41-125	19		50
Dibenzofuran	58		69		40-140	17		50
2-Methylnaphthalene	58		66		40-140	13		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: WOLLENSACK OPTICAL

Project Number: 2182207.13

Lab Number: L2014553

Report Date: 04/06/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1358217-2 WG1358217-3								
1,2,4,5-Tetrachlorobenzene	53		59		40-117	11		50
Acetophenone	52		60		14-144	14		50
2,4,6-Trichlorophenol	58		66		30-130	13		50
p-Chloro-m-cresol	59		68		26-103	14		50
2-Chlorophenol	59		69		25-102	16		50
2,4-Dichlorophenol	57		67		30-130	16		50
2,4-Dimethylphenol	58		68		30-130	16		50
2-Nitrophenol	66		77		30-130	15		50
4-Nitrophenol	55		71		11-114	25		50
2,4-Dinitrophenol	63		75		4-130	17		50
4,6-Dinitro-o-cresol	66		78		10-130	17		50
Pentachlorophenol	43		54		17-109	23		50
Phenol	60		71		26-90	17		50
2-Methylphenol	59		69		30-130.	16		50
3-Methylphenol/4-Methylphenol	58		68		30-130	16		50
2,4,5-Trichlorophenol	58		69		30-130	17		50
Carbazole	58		70		54-128	19		50
Atrazine	58		74		40-140	24		50
Benzaldehyde	49		56		40-140	13		50
Caprolactam	59		69		15-130	16		50
2,3,4,6-Tetrachlorophenol	59		74		40-140	23		50
1,4-Dioxane	**35**	Q	40		40-140	13		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: WOLLENSACK OPTICAL

Project Number: 2182207.13

Lab Number: L2014553

Report Date: 04/06/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1358217-2 WG1358217-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	56		66		25-120
Phenol-d6	57		66		10-120
Nitrobenzene-d5	57		65		23-120
2-Fluorobiphenyl	55		61		30-120
2,4,6-Tribromophenol	46		54		10-136
4-Terphenyl-d14	60		72		18-120

Matrix Spike Analysis
Batch Quality Control

Project Name: WOLLENSACK OPTICAL
Project Number: 2182207.13
Lab Number: L2014553
Report Date: 04/06/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1358217-4 WG1358217-5 QC Sample: L2014553-01 Client ID: IWTRENCHREUSE-01-C-20200403												
Acenaphthene	ND	1520	820	54		990	66		31-137	19		50
Hexachlorobenzene	ND	1520	790	52		930	62		40-140	16		50
Bis(2-chloroethyl)ether	ND	1520	860	57		1000	66		40-140	15		50
2-Chloronaphthalene	ND	1520	800	53		950	63		40-140	17		50
3,3'-Dichlorobenzidine	ND	1520	370	**24**	Q	500	**33**	Q	40-140	30		50
2,4-Dinitrotoluene	ND	1520	930	61		1100	73		40-132	17		50
2,6-Dinitrotoluene	ND	1520	870	57		1000	66		40-140	14		50
Fluoranthene	59J	1520	900	59		1100	73		40-140	20		50
4-Chlorophenyl phenyl ether	ND	1520	840	55		1000	66		40-140	17		50
4-Bromophenyl phenyl ether	ND	1520	830	55		1000	66		40-140	19		50
Bis(2-chloroisopropyl)ether	ND	1520	840	55		970	64		40-140	14		50
Bis(2-chloroethoxy)methane	ND	1520	830	55		990	66		40-117	18		50
Hexachlorobutadiene	ND	1520	820	54		920	61		40-140	11		50
Hexachlorocyclopentadiene	ND	1520	620	41		730	48		40-140	16		50
Hexachloroethane	ND	1520	800	53		910	60		40-140	13		50
Isophorone	ND	1520	830	55		980	65		40-140	17		50
Naphthalene	ND	1520	820	54		950	63		40-140	15		50
Nitrobenzene	ND	1520	880	58		960	64		40-140	9		50
NDPA/DPA	ND	1520	880	58		1100	73		36-157	22		50
n-Nitrosodi-n-propylamine	ND	1520	870	57		1000	66		32-121	14		50
Bis(2-ethylhexyl)phthalate	ND	1520	810	53		970	64		40-140	18		50
Butyl benzyl phthalate	ND	1520	920	61		1000	66		40-140	8		50
Di-n-butylphthalate	ND	1520	850	56		1000	66		40-140	16		50

Matrix Spike Analysis
Batch Quality Control

Project Name: WOLLENSACK OPTICAL
Project Number: 2182207.13
Lab Number: L2014553
Report Date: 04/06/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1358217-4 WG1358217-5 QC Sample: L2014553-01 Client ID: IWTRENCHREUSE-01-C-20200403												
Di-n-octylphthalate	ND	1520	820	54		960	64		40-140	16		50
Diethyl phthalate	ND	1520	860	57		1000	66		40-140	15		50
Dimethyl phthalate	ND	1520	790	52		950	63		40-140	18		50
Benzo(a)anthracene	40J	1520	810	53		960	64		40-140	17		50
Benzo(a)pyrene	ND	1520	830	55		1000	66		40-140	19		50
Benzo(b)fluoranthene	46J	1520	860	57		1000	66		40-140	15		50
Benzo(k)fluoranthene	ND	1520	870	57		1000	66		40-140	14		50
Chrysene	71J	1520	840	55		970	64		40-140	14		50
Acenaphthylene	ND	1520	780	51		930	62		40-140	18		50
Anthracene	ND	1520	820	54		990	66		40-140	19		50
Benzo(ghi)perylene	22J	1520	810	53		1000	66		40-140	21		50
Fluorene	ND	1520	840	55		1000	66		40-140	17		50
Phenanthrene	73J	1520	830	55		990	66		40-140	18		50
Dibenzo(a,h)anthracene	ND	1520	850	56		1000	66		40-140	16		50
Indeno(1,2,3-cd)pyrene	ND	1520	830	55		1000	66		40-140	19		50
Pyrene	62J	1520	890	59		1000	66		35-142	12		50
Biphenyl	ND	1520	720	47		870	58		37-127	19		50
4-Chloroaniline	ND	1520	580	**38**	Q	650	43		40-140	11		50
2-Nitroaniline	ND	1520	900	59		1100	73		47-134	20		50
3-Nitroaniline	ND	1520	740	49		890	59		26-129	18		50
4-Nitroaniline	ND	1520	780	51		960	64		41-125	21		50
Dibenzofuran	ND	1520	840	55		1000	66		40-140	17		50
2-Methylnaphthalene	ND	1520	820	54		970	64		40-140	17		50

Matrix Spike Analysis
Batch Quality Control

Project Name: WOLLENSACK OPTICAL
Project Number: 2182207.13
Lab Number: L2014553
Report Date: 04/06/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1358217-4 WG1358217-5 QC Sample: L2014553-01 Client ID: IWTRENCHREUSE-01-C-20200403												
1,2,4,5-Tetrachlorobenzene	ND	1520	770	51		910	60		40-117	17		50
Acetophenone	ND	1520	770	51		920	61		14-144	18		50
2,4,6-Trichlorophenol	ND	1520	850	56		980	65		30-130	14		50
p-Chloro-m-cresol	ND	1520	860	57		1000	66		26-103	15		50
2-Chlorophenol	ND	1520	880	58		1000	66		25-102	13		50
2,4-Dichlorophenol	ND	1520	830	55		980	65		30-130	17		50
2,4-Dimethylphenol	ND	1520	750	49		900	60		30-130	18		50
2-Nitrophenol	ND	1520	1000	66		1100	73		30-130	10		50
4-Nitrophenol	ND	1520	860	57		1000	66		11-114	15		50
2,4-Dinitrophenol	ND	1520	440J	29		500J	33		4-130	13		50
4,6-Dinitro-o-cresol	ND	1520	860	57		1000	66		10-130	15		50
Pentachlorophenol	ND	1520	700	46		830	55		17-109	17		50
Phenol	ND	1520	860	57		1000	66		26-90	15		50
2-Methylphenol	ND	1520	830	55		970	64		30-130.	16		50
3-Methylphenol/4-Methylphenol	ND	1520	800	53		970	64		30-130	19		50
2,4,5-Trichlorophenol	ND	1520	840	55		970	64		30-130	14		50
Carbazole	ND	1520	870	57		1000	66		54-128	14		50
Atrazine	ND	1520	880	58		1100	73		40-140	22		50
Benzaldehyde	ND	1520	770	51		850	56		40-140	10		50
Caprolactam	ND	1520	850	56		1000	66		15-130	16		50
2,3,4,6-Tetrachlorophenol	ND	1520	900	59		1100	73		40-140	20		50
1,4-Dioxane	ND	1520	510	**34**	Q	590	**39**	Q	40-140	15		50

Matrix Spike Analysis

Batch Quality Control

Project Name: WOLLENSACK OPTICAL

Project Number: 2182207.13

Lab Number: L2014553

Report Date: 04/06/20

Parameter	*Native Sample*	*MS Added*	*MS Found*	*MS %Recovery*	*Qual*	*MSD Found*	*MSD %Recovery*	*Qual*	*Recovery Limits*	*RPD*	*Qual*	*RPD Limits*

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1358217-4 WG1358217-5 QC Sample: L2014553-01 Client ID: IWTRENCHREUSE-01-C-20200403

Surrogate	*MS % Recovery*	*MS Qualifier*	*MSD % Recovery*	*MSD Qualifier*	*Acceptance Criteria*
2,4,6-Tribromophenol	46		52		10-136
2-Fluorobiphenyl	53		60		30-120
2-Fluorophenol	55		61		25-120
4-Terphenyl-d14	60		64		18-120
Nitrobenzene-d5	59		64		23-120
Phenol-d6	54		60		10-120

PCBS

Project Name: WOLLENSACK OPTICAL
Lab Number: L2014553
Project Number: 2182207.13
Report Date: 04/06/20

SAMPLE RESULTS

Lab ID: L2014553-01
Client ID: IWTRENCHREUSE-01-C-20200403
Sample Location: 886 HUDSON AVE., ROCHESTER, NY

Date Collected: 04/03/20 12:00
Date Received: 04/03/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 04/06/20 12:27
Analyst: AWS
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 04/06/20 03:10
Cleanup Method: EPA 3665A
Cleanup Date: 04/06/20
Cleanup Method: EPA 3660B
Cleanup Date: 04/06/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.7	3.34	1	A
Aroclor 1221	ND		ug/kg	37.7	3.77	1	A
Aroclor 1232	ND		ug/kg	37.7	7.98	1	A
Aroclor 1242	ND		ug/kg	37.7	5.08	1	A
Aroclor 1248	ND		ug/kg	37.7	5.65	1	A
Aroclor 1254	ND		ug/kg	37.7	4.12	1	A
Aroclor 1260	ND		ug/kg	37.7	6.96	1	A
Aroclor 1262	ND		ug/kg	37.7	4.78	1	A
Aroclor 1268	ND		ug/kg	37.7	3.90	1	A
PCBs, Total	ND		ug/kg	37.7	3.34	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		30-150	A
Decachlorobiphenyl	69		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	69		30-150	B

Project Name: WOLLENSACK OPTICAL
Lab Number: L2014553
Project Number: 2182207.13
Report Date: 04/06/20

SAMPLE RESULTS

Lab ID: L2014553-02
Client ID: IWTRENCHREUSE-02-C-20200403
Sample Location: 886 HUDSON AVE., ROCHESTER, NY

Date Collected: 04/03/20 14:30
Date Received: 04/03/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 04/04/20 16:28
Analyst: HT
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 04/04/20 02:51
Cleanup Method: EPA 3665A
Cleanup Date: 04/04/20
Cleanup Method: EPA 3660B
Cleanup Date: 04/04/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.8	3.35	1	A
Aroclor 1221	ND		ug/kg	37.8	3.78	1	A
Aroclor 1232	ND		ug/kg	37.8	8.00	1	A
Aroclor 1242	ND		ug/kg	37.8	5.09	1	A
Aroclor 1248	ND		ug/kg	37.8	5.66	1	A
Aroclor 1254	ND		ug/kg	37.8	4.13	1	A
Aroclor 1260	ND		ug/kg	37.8	6.98	1	A
Aroclor 1262	ND		ug/kg	37.8	4.79	1	A
Aroclor 1268	ND		ug/kg	37.8	3.91	1	A
PCBs, Total	ND		ug/kg	37.8	3.35	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	38		30-150	A
Decachlorobiphenyl	34		30-150	A
2,4,5,6-Tetrachloro-m-xylene	38		30-150	B
Decachlorobiphenyl	30		30-150	B

Project Name: WOLLENSACK OPTICAL
Lab Number: L2014553
Project Number: 2182207.13
Report Date: 04/06/20

SAMPLE RESULTS

Lab ID: L2014553-03
Client ID: DUPE-C-20200403
Sample Location: 886 HUDSON AVE., ROCHESTER, NY

Date Collected: 04/03/20 12:30
Date Received: 04/03/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 04/04/20 16:34
Analyst: HT
Percent Solids: 81%

Extraction Method: EPA 3546
Extraction Date: 04/04/20 02:51
Cleanup Method: EPA 3665A
Cleanup Date: 04/04/20
Cleanup Method: EPA 3660B
Cleanup Date: 04/04/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	39.7	3.52	1	A
Aroclor 1221	ND		ug/kg	39.7	3.98	1	A
Aroclor 1232	ND		ug/kg	39.7	8.42	1	A
Aroclor 1242	ND		ug/kg	39.7	5.35	1	A
Aroclor 1248	ND		ug/kg	39.7	5.96	1	A
Aroclor 1254	ND		ug/kg	39.7	4.34	1	A
Aroclor 1260	ND		ug/kg	39.7	7.34	1	A
Aroclor 1262	ND		ug/kg	39.7	5.04	1	A
Aroclor 1268	ND		ug/kg	39.7	4.11	1	A
PCBs, Total	ND		ug/kg	39.7	3.52	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	39		30-150	A
Decachlorobiphenyl	30		30-150	A
2,4,5,6-Tetrachloro-m-xylene	38		30-150	B
Decachlorobiphenyl	**27**	Q	30-150	B

Project Name: WOLLENSACK OPTICAL
Project Number: 2182207.13
Lab Number: L2014553
Report Date: 04/06/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 04/04/20 15:46
Analyst: HT

Extraction Method: EPA 3546
Extraction Date: 04/04/20 02:51
Cleanup Method: EPA 3665A
Cleanup Date: 04/04/20
Cleanup Method: EPA 3660B
Cleanup Date: 04/04/20

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 02-03 Batch: WG1358202-1						
Aroclor 1016	ND		ug/kg	32.9	2.92	A
Aroclor 1221	ND		ug/kg	32.9	3.29	A
Aroclor 1232	ND		ug/kg	32.9	6.97	A
Aroclor 1242	ND		ug/kg	32.9	4.43	A
Aroclor 1248	ND		ug/kg	32.9	4.93	A
Aroclor 1254	ND		ug/kg	32.9	3.60	A
Aroclor 1260	ND		ug/kg	32.9	6.07	A
Aroclor 1262	ND		ug/kg	32.9	4.17	A
Aroclor 1268	ND		ug/kg	32.9	3.40	A
PCBs, Total	ND		ug/kg	32.9	2.92	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		30-150	B
Decachlorobiphenyl	68		30-150	B

Project Name: WOLLENSACK OPTICAL
Project Number: 2182207.13
Lab Number: L2014553
Report Date: 04/06/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 04/06/20 11:51
Analyst: AWS

Extraction Method: EPA 3546
Extraction Date: 04/06/20 03:10
Cleanup Method: EPA 3665A
Cleanup Date: 04/06/20
Cleanup Method: EPA 3660B
Cleanup Date: 04/06/20

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01 Batch: WG1358470-1						
Aroclor 1016	ND		ug/kg	33.3	2.96	A
Aroclor 1221	ND		ug/kg	33.3	3.34	A
Aroclor 1232	ND		ug/kg	33.3	7.06	A
Aroclor 1242	ND		ug/kg	33.3	4.49	A
Aroclor 1248	ND		ug/kg	33.3	4.99	A
Aroclor 1254	ND		ug/kg	33.3	3.64	A
Aroclor 1260	ND		ug/kg	33.3	6.15	A
Aroclor 1262	ND		ug/kg	33.3	4.23	A
Aroclor 1268	ND		ug/kg	33.3	3.45	A
PCBs, Total	ND		ug/kg	33.3	2.96	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	67		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	69		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: WOLLENSACK OPTICAL

Project Number: 2182207.13

Lab Number: L2014553

Report Date: 04/06/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 02-03 Batch: WG1358202-2 WG1358202-3									
Aroclor 1016	83		75		40-140	10		50	A
Aroclor 1260	78		67		40-140	15		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	83		73		30-150	A
Decachlorobiphenyl	78		64		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		73		30-150	B
Decachlorobiphenyl	72		61		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: WOLLENSACK OPTICAL

Project Number: 2182207.13

Lab Number: L2014553

Report Date: 04/06/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01 Batch: WG1358470-2 WG1358470-3									
Aroclor 1016	88		96		40-140	9		50	A
Aroclor 1260	79		89		40-140	12		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		79		30-150	A
Decachlorobiphenyl	66		71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		78		30-150	B
Decachlorobiphenyl	65		69		30-150	B

Matrix Spike Analysis

Batch Quality Control

Project Name: WOLLENSACK OPTICAL

Project Number: 2182207.13

Lab Number: L2014553

Report Date: 04/06/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1358470-4 WG1358470-5 QC Sample: L2014553-01 Client ID: IWTRENCHREUSE-01-C-20200403													
Aroclor 1016	ND	231	205	89		232	98		40-140	12		50	A
Aroclor 1260	ND	231	190	82		215	91		40-140	12		50	A

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		80		30-150	A
Decachlorobiphenyl	66		72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		79		30-150	B
Decachlorobiphenyl	62		67		30-150	B

PESTICIDES

Project Name: WOLLENSACK OPTICAL
Lab Number: L2014553
Project Number: 2182207.13
Report Date: 04/06/20

SAMPLE RESULTS

Lab ID: L2014553-01
Client ID: IWTRENCHREUSE-01-C-20200403
Sample Location: 886 HUDSON AVE., ROCHESTER, NY

Date Collected: 04/03/20 12:00
Date Received: 04/03/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 04/05/20 13:16
Analyst: DGM
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 04/04/20 02:46
Cleanup Method: EPA 3620B
Cleanup Date: 04/04/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.80	0.353	1	A
Lindane	ND		ug/kg	0.751	0.336	1	A
Alpha-BHC	ND		ug/kg	0.751	0.213	1	A
Beta-BHC	ND		ug/kg	1.80	0.684	1	A
Heptachlor	ND		ug/kg	0.902	0.404	1	A
Aldrin	ND		ug/kg	1.80	0.635	1	A
Heptachlor epoxide	ND		ug/kg	3.38	1.01	1	A
Endrin	ND		ug/kg	0.751	0.308	1	A
Endrin aldehyde	ND		ug/kg	2.25	0.789	1	A
Endrin ketone	ND		ug/kg	1.80	0.464	1	A
Dieldrin	ND		ug/kg	1.13	0.563	1	A
4,4'-DDE	ND		ug/kg	1.80	0.417	1	A
4,4'-DDD	ND		ug/kg	1.80	0.643	1	A
4,4'-DDT	ND		ug/kg	3.38	1.45	1	A
Endosulfan I	ND		ug/kg	1.80	0.426	1	A
Endosulfan II	ND		ug/kg	1.80	0.602	1	A
Endosulfan sulfate	ND		ug/kg	0.751	0.358	1	A
Methoxychlor	ND		ug/kg	3.38	1.05	1	A
Toxaphene	ND		ug/kg	33.8	9.46	1	A
cis-Chlordane	ND		ug/kg	2.25	0.628	1	A
trans-Chlordane	ND		ug/kg	2.25	0.595	1	A
Chlordane	ND		ug/kg	15.0	5.97	1	A

Project Name: WOLLENSACK OPTICAL **Lab Number:** L2014553

Project Number: 2182207.13 **Report Date:** 04/06/20

SAMPLE RESULTS

Lab ID: L2014553-01 Date Collected: 04/03/20 12:00

Client ID: IWTRENCHREUSE-01-C-20200403 Date Received: 04/03/20

Sample Location: 886 HUDSON AVE., ROCHESTER, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	73		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	68		30-150	B

Project Name: WOLLENSACK OPTICAL
Lab Number: L2014553
Project Number: 2182207.13
Report Date: 04/06/20

SAMPLE RESULTS

Lab ID: L2014553-02
Client ID: IWTRENCHREUSE-02-C-20200403
Sample Location: 886 HUDSON AVE., ROCHESTER, NY

Date Collected: 04/03/20 14:30
Date Received: 04/03/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 04/05/20 13:44
Analyst: DGM
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 04/04/20 02:46
Cleanup Method: EPA 3620B
Cleanup Date: 04/04/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.78	0.349	1	A
Lindane	ND		ug/kg	0.743	0.332	1	A
Alpha-BHC	ND		ug/kg	0.743	0.211	1	A
Beta-BHC	ND		ug/kg	1.78	0.676	1	A
Heptachlor	ND		ug/kg	0.892	0.400	1	A
Aldrin	ND		ug/kg	1.78	0.628	1	A
Heptachlor epoxide	ND		ug/kg	3.34	1.00	1	A
Endrin	ND		ug/kg	0.743	0.305	1	A
Endrin aldehyde	ND		ug/kg	2.23	0.780	1	A
Endrin ketone	ND		ug/kg	1.78	0.459	1	A
Dieldrin	ND		ug/kg	1.12	0.558	1	A
4,4'-DDE	ND		ug/kg	1.78	0.412	1	A
4,4'-DDD	ND		ug/kg	1.78	0.636	1	A
4,4'-DDT	ND		ug/kg	3.34	1.43	1	A
Endosulfan I	ND		ug/kg	1.78	0.421	1	A
Endosulfan II	ND		ug/kg	1.78	0.596	1	A
Endosulfan sulfate	ND		ug/kg	0.743	0.354	1	A
Methoxychlor	ND		ug/kg	3.34	1.04	1	A
Toxaphene	ND		ug/kg	33.4	9.37	1	A
cis-Chlordane	ND		ug/kg	2.23	0.621	1	A
trans-Chlordane	ND		ug/kg	2.23	0.589	1	A
Chlordane	ND		ug/kg	14.9	5.91	1	A

Project Name: WOLLENSACK OPTICAL **Lab Number:** L2014553

Project Number: 2182207.13 **Report Date:** 04/06/20

SAMPLE RESULTS

Lab ID: L2014553-02 Date Collected: 04/03/20 14:30

Client ID: IWTRENCHREUSE-02-C-20200403 Date Received: 04/03/20

Sample Location: 886 HUDSON AVE., ROCHESTER, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		30-150	A
Decachlorobiphenyl	79		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	74		30-150	B

Project Name: WOLLENSACK OPTICAL
Lab Number: L2014553
Project Number: 2182207.13
Report Date: 04/06/20

SAMPLE RESULTS

Lab ID: L2014553-03
Client ID: DUPE-C-20200403
Sample Location: 886 HUDSON AVE., ROCHESTER, NY

Date Collected: 04/03/20 12:30
Date Received: 04/03/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 04/05/20 13:53
Analyst: DGM
Percent Solids: 81%

Extraction Method: EPA 3546
Extraction Date: 04/04/20 02:46
Cleanup Method: EPA 3620B
Cleanup Date: 04/04/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.89	0.370	1	A
Lindane	ND		ug/kg	0.788	0.352	1	A
Alpha-BHC	ND		ug/kg	0.788	0.224	1	A
Beta-BHC	ND		ug/kg	1.89	0.717	1	A
Heptachlor	ND		ug/kg	0.946	0.424	1	A
Aldrin	ND		ug/kg	1.89	0.666	1	A
Heptachlor epoxide	ND		ug/kg	3.55	1.06	1	A
Endrin	ND		ug/kg	0.788	0.323	1	A
Endrin aldehyde	ND		ug/kg	2.36	0.827	1	A
Endrin ketone	ND		ug/kg	1.89	0.487	1	A
Dieldrin	ND		ug/kg	1.18	0.591	1	A
4,4'-DDE	1.82	J	ug/kg	1.89	0.437	1	A
4,4'-DDD	ND		ug/kg	1.89	0.674	1	A
4,4'-DDT	ND		ug/kg	3.55	1.52	1	A
Endosulfan I	ND		ug/kg	1.89	0.447	1	A
Endosulfan II	ND		ug/kg	1.89	0.632	1	A
Endosulfan sulfate	ND		ug/kg	0.788	0.375	1	A
Methoxychlor	ND		ug/kg	3.55	1.10	1	A
Toxaphene	ND		ug/kg	35.5	9.93	1	A
cis-Chlordane	1.94	J	ug/kg	2.36	0.659	1	A
trans-Chlordane	1.47	JIP	ug/kg	2.36	0.624	1	A
Chlordane	ND		ug/kg	15.8	6.26	1	A

Project Name: WOLLENSACK OPTICAL **Lab Number:** L2014553

Project Number: 2182207.13 **Report Date:** 04/06/20

SAMPLE RESULTS

Lab ID: L2014553-03 Date Collected: 04/03/20 12:30

Client ID: DUPE-C-20200403 Date Received: 04/03/20

Sample Location: 886 HUDSON AVE., ROCHESTER, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	57		30-150	A
Decachlorobiphenyl	62		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	63		30-150	B

Project Name: WOLLENSACK OPTICAL
Project Number: 2182207.13
Lab Number: L2014553
Report Date: 04/06/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 04/05/20 12:49
Analyst: DGM

Extraction Method: EPA 3546
Extraction Date: 04/04/20 02:46
Cleanup Method: EPA 3620B
Cleanup Date: 04/04/20

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-03 Batch: WG1358201-1						
Delta-BHC	ND		ug/kg	1.56	0.306	A
Lindane	ND		ug/kg	0.652	0.291	A
Alpha-BHC	ND		ug/kg	0.652	0.185	A
Beta-BHC	ND		ug/kg	1.56	0.593	A
Heptachlor	ND		ug/kg	0.782	0.351	A
Aldrin	ND		ug/kg	1.56	0.551	A
Heptachlor epoxide	ND		ug/kg	2.93	0.880	A
Endrin	ND		ug/kg	0.652	0.267	A
Endrin aldehyde	ND		ug/kg	1.96	0.684	A
Endrin ketone	ND		ug/kg	1.56	0.403	A
Dieldrin	ND		ug/kg	0.978	0.489	A
4,4'-DDE	ND		ug/kg	1.56	0.362	A
4,4'-DDD	ND		ug/kg	1.56	0.558	A
4,4'-DDT	ND		ug/kg	2.93	1.26	A
Endosulfan I	ND		ug/kg	1.56	0.370	A
Endosulfan II	ND		ug/kg	1.56	0.523	A
Endosulfan sulfate	ND		ug/kg	0.652	0.310	A
Methoxychlor	ND		ug/kg	2.93	0.913	A
Toxaphene	ND		ug/kg	29.3	8.21	A
cis-Chlordane	ND		ug/kg	1.96	0.545	A
trans-Chlordane	ND		ug/kg	1.96	0.516	A
Chlordane	ND		ug/kg	13.0	5.18	A

Project Name: WOLLENSACK OPTICAL
Project Number: 2182207.13
Lab Number: L2014553
Report Date: 04/06/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 04/05/20 12:49
Analyst: DGM

Extraction Method: EPA 3546
Extraction Date: 04/04/20 02:46
Cleanup Method: EPA 3620B
Cleanup Date: 04/04/20

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-03 Batch: WG1358201-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	80		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	73		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: WOLLENSACK OPTICAL

Project Number: 2182207.13

Lab Number: L2014553

Report Date: 04/06/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-03 Batch: WG1358201-2 WG1358201-3									
Delta-BHC	75		70		30-150	7		30	A
Lindane	72		68		30-150	6		30	A
Alpha-BHC	75		70		30-150	7		30	A
Beta-BHC	83		85		30-150	2		30	A
Heptachlor	76		71		30-150	7		30	A
Aldrin	75		69		30-150	8		30	A
Heptachlor epoxide	69		65		30-150	6		30	A
Endrin	76		71		30-150	7		30	A
Endrin aldehyde	51		49		30-150	4		30	A
Endrin ketone	68		67		30-150	1		30	A
Dieldrin	79		74		30-150	7		30	A
4,4'-DDE	76		71		30-150	7		30	A
4,4'-DDD	82		78		30-150	5		30	A
4,4'-DDT	78		73		30-150	7		30	A
Endosulfan I	71		66		30-150	7		30	A
Endosulfan II	72		68		30-150	6		30	A
Endosulfan sulfate	53		53		30-150	0		30	A
Methoxychlor	73		70		30-150	4		30	A
cis-Chlordane	70		66		30-150	6		30	A
trans-Chlordane	74		70		30-150	6		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: WOLLENSACK OPTICAL

Project Number: 2182207.13

Lab Number: L2014553

Report Date: 04/06/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-03 Batch: WG1358201-2 WG1358201-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		70		30-150	A
Decachlorobiphenyl	77		72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		72		30-150	B
Decachlorobiphenyl	75		70		30-150	B

Matrix Spike Analysis

Batch Quality Control

Project Name: WOLLENSACK OPTICAL

Project Number: 2182207.13

Lab Number: L2014553

Report Date: 04/06/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1358201-4 WG1358201-5 QC Sample: L2014553-01 Client ID: IWTRENCHREUSE-01-C-20200403													
Delta-BHC	ND	37.7	16.6	44		18.3	49		30-150	10		50	A
Lindane	ND	37.7	19.6	52		25.2	68		30-150	25		50	A
Alpha-BHC	ND	37.7	22.1	59		22.0	59		30-150	0		50	A
Beta-BHC	ND	37.7	33.3	88		23.4	63		30-150	35		50	A
Heptachlor	ND	37.7	25.5	68		21.9	59		30-150	15		50	A
Aldrin	ND	37.7	27.3	72		21.9	59		30-150	22		50	A
Heptachlor epoxide	ND	37.7	25.9	69		20.6	55		30-150	23		50	A
Endrin	ND	37.7	29.0	77		22.1	59		30-150	27		50	A
Endrin aldehyde	ND	37.7	17.4	46		14.8	40		30-150	16		50	A
Endrin ketone	ND	37.7	25.9	69		21.8	59		30-150	17		50	A
Dieldrin	ND	37.7	29.4	78		23.1	62		30-150	24		50	A
4,4'-DDE	ND	37.7	33.7	89		22.6	61		30-150	39		50	A
4,4'-DDD	ND	37.7	30.9	82		24.1	65		30-150	25		50	A
4,4'-DDT	ND	37.7	27.2	72		23.2	62		30-150	16		50	A
Endosulfan I	ND	37.7	17.6	47		19.3	52		30-150	9		50	A
Endosulfan II	ND	37.7	17.3	46		20.0	54		30-150	14		50	A
Endosulfan sulfate	ND	37.7	14.3	38		16.0	43		30-150	11		50	A
Methoxychlor	ND	37.7	24.7	66		20.9	56		30-150	17		50	A
cis-Chlordane	ND	37.7	25.7	68		20.8	56		30-150	21		50	A
trans-Chlordane	ND	37.7	27.2	72		21.6	58		30-150	23		50	A

Matrix Spike Analysis

Batch Quality Control

Project Name: WOLLENSACK OPTICAL

Project Number: 2182207.13

Lab Number: L2014553

Report Date: 04/06/20

Parameter	*Native Sample*	*MS Added*	*MS Found*	*MS %Recovery*	*Qual*	*MSD Found*	*MSD %Recovery*	*Qual*	*Recovery Limits*	*RPD*	*Qual*	*RPD Limits*
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1358201-4 WG1358201-5 QC Sample: L2014553-01 Client ID: IWTRENCHREUSE-01-C-20200403												

Surrogate	*MS % Recovery*	*MS Qualifier*	*MSD % Recovery*	*MSD Qualifier*	*Acceptance Criteria*	*Column*
2,4,5,6-Tetrachloro-m-xylene	71		62		30-150	A
Decachlorobiphenyl	84		61		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		72		30-150	B
Decachlorobiphenyl	71		77		30-150	B

METALS

Project Name: WOLLENSACK OPTICAL
Lab Number: L2014553
Project Number: 2182207.13
Report Date: 04/06/20

SAMPLE RESULTS

Lab ID: L2014553-01
Client ID: IWTRENCHREUSE-01-C-20200403
Sample Location: 886 HUDSON AVE., ROCHESTER, NY
Date Collected: 04/03/20 12:00
Date Received: 04/03/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	7430		mg/kg	8.91	2.40	2	04/04/20 06:30	04/04/20 14:53	EPA 3050B	1,6010D	BV
Antimony, Total	ND		mg/kg	4.46	0.339	2	04/04/20 06:30	04/04/20 14:53	EPA 3050B	1,6010D	BV
Arsenic, Total	4.30		mg/kg	0.891	0.185	2	04/04/20 06:30	04/04/20 14:53	EPA 3050B	1,6010D	BV
Barium, Total	74.8		mg/kg	0.891	0.155	2	04/04/20 06:30	04/04/20 14:53	EPA 3050B	1,6010D	BV
Beryllium, Total	0.446		mg/kg	0.446	0.029	2	04/04/20 06:30	04/04/20 14:53	EPA 3050B	1,6010D	BV
Cadmium, Total	ND		mg/kg	0.891	0.087	2	04/04/20 06:30	04/04/20 14:53	EPA 3050B	1,6010D	BV
Calcium, Total	21800		mg/kg	8.91	3.12	2	04/04/20 06:30	04/04/20 14:53	EPA 3050B	1,6010D	BV
Chromium, Total	9.35		mg/kg	0.891	0.086	2	04/04/20 06:30	04/04/20 14:53	EPA 3050B	1,6010D	BV
Cobalt, Total	5.38		mg/kg	1.78	0.148	2	04/04/20 06:30	04/04/20 14:53	EPA 3050B	1,6010D	BV
Copper, Total	13.5		mg/kg	0.891	0.230	2	04/04/20 06:30	04/04/20 14:53	EPA 3050B	1,6010D	BV
Iron, Total	14900		mg/kg	4.46	0.805	2	04/04/20 06:30	04/04/20 14:53	EPA 3050B	1,6010D	BV
Lead, Total	26.9		mg/kg	4.46	0.239	2	04/04/20 06:30	04/04/20 14:53	EPA 3050B	1,6010D	BV
Magnesium, Total	3970		mg/kg	8.91	1.37	2	04/04/20 06:30	04/04/20 14:53	EPA 3050B	1,6010D	BV
Manganese, Total	4530		mg/kg	0.891	0.142	2	04/04/20 06:30	04/04/20 14:53	EPA 3050B	1,6010D	BV
Mercury, Total	0.062	J	mg/kg	0.072	0.047	1	04/04/20 07:20	04/04/20 11:29	EPA 7471B	1,7471B	AL
Nickel, Total	10.6		mg/kg	2.23	0.216	2	04/04/20 06:30	04/04/20 14:53	EPA 3050B	1,6010D	BV
Potassium, Total	692		mg/kg	223	12.8	2	04/04/20 06:30	04/04/20 14:53	EPA 3050B	1,6010D	BV
Selenium, Total	2.74		mg/kg	1.78	0.230	2	04/04/20 06:30	04/04/20 14:53	EPA 3050B	1,6010D	BV
Silver, Total	0.294	J	mg/kg	0.891	0.252	2	04/04/20 06:30	04/04/20 14:53	EPA 3050B	1,6010D	BV
Sodium, Total	1240		mg/kg	178	2.81	2	04/04/20 06:30	04/04/20 14:53	EPA 3050B	1,6010D	BV
Thallium, Total	5.06		mg/kg	1.78	0.281	2	04/04/20 06:30	04/04/20 14:53	EPA 3050B	1,6010D	BV
Vanadium, Total	13.4		mg/kg	0.891	0.181	2	04/04/20 06:30	04/04/20 14:53	EPA 3050B	1,6010D	BV
Zinc, Total	37.0		mg/kg	4.46	0.261	2	04/04/20 06:30	04/04/20 14:53	EPA 3050B	1,6010D	BV

Project Name: WOLLENSACK OPTICAL **Lab Number:** L2014553

Project Number: 2182207.13 **Report Date:** 04/06/20

SAMPLE RESULTS

Lab ID: L2014553-02 Date Collected: 04/03/20 14:30

Client ID: IWTRENCHREUSE-02-C-20200403 Date Received: 04/03/20

Sample Location: 886 HUDSON AVE., ROCHESTER, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	8090		mg/kg	8.96	2.42	2	04/04/20 06:30	04/04/20 15:16	EPA 3050B	1,6010D	BV
Antimony, Total	0.538	J	mg/kg	4.48	0.340	2	04/04/20 06:30	04/04/20 15:16	EPA 3050B	1,6010D	BV
Arsenic, Total	4.44		mg/kg	0.896	0.186	2	04/04/20 06:30	04/04/20 15:16	EPA 3050B	1,6010D	BV
Barium, Total	139		mg/kg	0.896	0.156	2	04/04/20 06:30	04/04/20 15:16	EPA 3050B	1,6010D	BV
Beryllium, Total	0.511		mg/kg	0.448	0.030	2	04/04/20 06:30	04/04/20 15:16	EPA 3050B	1,6010D	BV
Cadmium, Total	ND		mg/kg	0.896	0.088	2	04/04/20 06:30	04/04/20 15:16	EPA 3050B	1,6010D	BV
Calcium, Total	11600		mg/kg	8.96	3.14	2	04/04/20 06:30	04/04/20 15:16	EPA 3050B	1,6010D	BV
Chromium, Total	9.85		mg/kg	0.896	0.086	2	04/04/20 06:30	04/04/20 15:16	EPA 3050B	1,6010D	BV
Cobalt, Total	5.80		mg/kg	1.79	0.149	2	04/04/20 06:30	04/04/20 15:16	EPA 3050B	1,6010D	BV
Copper, Total	10.1		mg/kg	0.896	0.231	2	04/04/20 06:30	04/04/20 15:16	EPA 3050B	1,6010D	BV
Iron, Total	17100		mg/kg	4.48	0.809	2	04/04/20 06:30	04/04/20 15:16	EPA 3050B	1,6010D	BV
Lead, Total	22.2		mg/kg	4.48	0.240	2	04/04/20 06:30	04/04/20 15:16	EPA 3050B	1,6010D	BV
Magnesium, Total	3380		mg/kg	8.96	1.38	2	04/04/20 06:30	04/04/20 15:16	EPA 3050B	1,6010D	BV
Manganese, Total	1580		mg/kg	0.896	0.142	2	04/04/20 06:30	04/04/20 15:16	EPA 3050B	1,6010D	BV
Mercury, Total	0.146		mg/kg	0.072	0.047	1	04/04/20 07:20	04/04/20 12:41	EPA 7471B	1,7471B	AL
Nickel, Total	9.52		mg/kg	2.24	0.217	2	04/04/20 06:30	04/04/20 15:16	EPA 3050B	1,6010D	BV
Potassium, Total	824		mg/kg	224	12.9	2	04/04/20 06:30	04/04/20 15:16	EPA 3050B	1,6010D	BV
Selenium, Total	1.02	J	mg/kg	1.79	0.231	2	04/04/20 06:30	04/04/20 15:16	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	0.896	0.254	2	04/04/20 06:30	04/04/20 15:16	EPA 3050B	1,6010D	BV
Sodium, Total	342		mg/kg	179	2.82	2	04/04/20 06:30	04/04/20 15:16	EPA 3050B	1,6010D	BV
Thallium, Total	1.63	J	mg/kg	1.79	0.282	2	04/04/20 06:30	04/04/20 15:16	EPA 3050B	1,6010D	BV
Vanadium, Total	16.0		mg/kg	0.896	0.182	2	04/04/20 06:30	04/04/20 15:16	EPA 3050B	1,6010D	BV
Zinc, Total	37.1		mg/kg	4.48	0.262	2	04/04/20 06:30	04/04/20 15:16	EPA 3050B	1,6010D	BV

Project Name: WOLLENSACK OPTICAL
Lab Number: L2014553
Project Number: 2182207.13
Report Date: 04/06/20

SAMPLE RESULTS

Lab ID: L2014553-03
Client ID: DUPE-C-20200403
Sample Location: 886 HUDSON AVE., ROCHESTER, NY
Date Collected: 04/03/20 12:30
Date Received: 04/03/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	8010		mg/kg	9.47	2.56	2	04/04/20 06:30	04/04/20 16:09	EPA 3050B	1,6010D	BV
Antimony, Total	0.455	J	mg/kg	4.74	0.360	2	04/04/20 06:30	04/04/20 16:09	EPA 3050B	1,6010D	BV
Arsenic, Total	5.52		mg/kg	0.947	0.197	2	04/04/20 06:30	04/04/20 16:09	EPA 3050B	1,6010D	BV
Barium, Total	67.0		mg/kg	0.947	0.165	2	04/04/20 06:30	04/04/20 16:09	EPA 3050B	1,6010D	BV
Beryllium, Total	0.502		mg/kg	0.474	0.031	2	04/04/20 06:30	04/04/20 16:09	EPA 3050B	1,6010D	BV
Cadmium, Total	ND		mg/kg	0.947	0.093	2	04/04/20 06:30	04/04/20 16:09	EPA 3050B	1,6010D	BV
Calcium, Total	15200		mg/kg	9.47	3.32	2	04/04/20 06:30	04/04/20 16:09	EPA 3050B	1,6010D	BV
Chromium, Total	10.6		mg/kg	0.947	0.091	2	04/04/20 06:30	04/04/20 16:09	EPA 3050B	1,6010D	BV
Cobalt, Total	5.64		mg/kg	1.89	0.157	2	04/04/20 06:30	04/04/20 16:09	EPA 3050B	1,6010D	BV
Copper, Total	16.8		mg/kg	0.947	0.244	2	04/04/20 06:30	04/04/20 16:09	EPA 3050B	1,6010D	BV
Iron, Total	16000		mg/kg	4.74	0.855	2	04/04/20 06:30	04/04/20 16:09	EPA 3050B	1,6010D	BV
Lead, Total	22.3		mg/kg	4.74	0.254	2	04/04/20 06:30	04/04/20 16:09	EPA 3050B	1,6010D	BV
Magnesium, Total	4390		mg/kg	9.47	1.46	2	04/04/20 06:30	04/04/20 16:09	EPA 3050B	1,6010D	BV
Manganese, Total	1840		mg/kg	0.947	0.151	2	04/04/20 06:30	04/04/20 16:09	EPA 3050B	1,6010D	BV
Mercury, Total	0.076	J	mg/kg	0.078	0.051	1	04/04/20 07:20	04/04/20 12:45	EPA 7471B	1,7471B	AL
Nickel, Total	11.6		mg/kg	2.37	0.229	2	04/04/20 06:30	04/04/20 16:09	EPA 3050B	1,6010D	BV
Potassium, Total	885		mg/kg	237	13.6	2	04/04/20 06:30	04/04/20 16:09	EPA 3050B	1,6010D	BV
Selenium, Total	1.15	J	mg/kg	1.89	0.244	2	04/04/20 06:30	04/04/20 16:09	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	0.947	0.268	2	04/04/20 06:30	04/04/20 16:09	EPA 3050B	1,6010D	BV
Sodium, Total	1020		mg/kg	189	2.98	2	04/04/20 06:30	04/04/20 16:09	EPA 3050B	1,6010D	BV
Thallium, Total	2.12		mg/kg	1.89	0.298	2	04/04/20 06:30	04/04/20 16:09	EPA 3050B	1,6010D	BV
Vanadium, Total	16.7		mg/kg	0.947	0.192	2	04/04/20 06:30	04/04/20 16:09	EPA 3050B	1,6010D	BV
Zinc, Total	45.4		mg/kg	4.74	0.278	2	04/04/20 06:30	04/04/20 16:09	EPA 3050B	1,6010D	BV

Project Name: WOLLENSACK OPTICAL **Lab Number:** L2014553

Project Number: 2182207.13 **Report Date:** 04/06/20

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-03 Batch: WG1358126-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	04/04/20 06:30	04/04/20 14:45	1,6010D	BV
Antimony, Total	ND		mg/kg	2.00	0.152	1	04/04/20 06:30	04/04/20 14:45	1,6010D	BV
Arsenic, Total	ND		mg/kg	0.400	0.083	1	04/04/20 06:30	04/04/20 14:45	1,6010D	BV
Barium, Total	ND		mg/kg	0.400	0.070	1	04/04/20 06:30	04/04/20 14:45	1,6010D	BV
Beryllium, Total	ND		mg/kg	0.200	0.013	1	04/04/20 06:30	04/04/20 14:45	1,6010D	BV
Cadmium, Total	ND		mg/kg	0.400	0.039	1	04/04/20 06:30	04/04/20 14:45	1,6010D	BV
Calcium, Total	ND		mg/kg	4.00	1.40	1	04/04/20 06:30	04/04/20 14:45	1,6010D	BV
Chromium, Total	0.072	J	mg/kg	0.400	0.038	1	04/04/20 06:30	04/04/20 14:45	1,6010D	BV
Cobalt, Total	ND		mg/kg	0.800	0.066	1	04/04/20 06:30	04/04/20 14:45	1,6010D	BV
Copper, Total	ND		mg/kg	0.400	0.103	1	04/04/20 06:30	04/04/20 14:45	1,6010D	BV
Iron, Total	0.364	J	mg/kg	2.00	0.361	1	04/04/20 06:30	04/04/20 14:45	1,6010D	BV
Lead, Total	ND		mg/kg	2.00	0.107	1	04/04/20 06:30	04/04/20 14:45	1,6010D	BV
Magnesium, Total	ND		mg/kg	4.00	0.616	1	04/04/20 06:30	04/04/20 14:45	1,6010D	BV
Manganese, Total	ND		mg/kg	0.400	0.064	1	04/04/20 06:30	04/04/20 14:45	1,6010D	BV
Nickel, Total	ND		mg/kg	1.00	0.097	1	04/04/20 06:30	04/04/20 14:45	1,6010D	BV
Potassium, Total	ND		mg/kg	100	5.76	1	04/04/20 06:30	04/04/20 14:45	1,6010D	BV
Selenium, Total	ND		mg/kg	0.800	0.103	1	04/04/20 06:30	04/04/20 14:45	1,6010D	BV
Silver, Total	ND		mg/kg	0.400	0.113	1	04/04/20 06:30	04/04/20 14:45	1,6010D	BV
Sodium, Total	ND		mg/kg	80.0	1.26	1	04/04/20 06:30	04/04/20 14:45	1,6010D	BV
Thallium, Total	ND		mg/kg	0.800	0.126	1	04/04/20 06:30	04/04/20 14:45	1,6010D	BV
Vanadium, Total	ND		mg/kg	0.400	0.081	1	04/04/20 06:30	04/04/20 14:45	1,6010D	BV
Zinc, Total	ND		mg/kg	2.00	0.117	1	04/04/20 06:30	04/04/20 14:45	1,6010D	BV

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-03 Batch: WG1358127-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	04/04/20 07:20	04/04/20 11:22	1,7471B	AL

Project Name: WOLLENSACK OPTICAL
Project Number: 2182207.13
Lab Number: L2014553
Report Date: 04/06/20

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: WOLLENSACK OPTICAL

Project Number: 2182207.13

Lab Number: L2014553

Report Date: 04/06/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1358126-2 SRM Lot Number: D105-540								
Aluminum, Total	64		-		51-149	-		
Antimony, Total	137		-		19-249	-		
Arsenic, Total	99		-		70-130	-		
Barium, Total	90		-		75-125	-		
Beryllium, Total	94		-		75-125	-		
Cadmium, Total	86		-		75-125	-		
Calcium, Total	86		-		73-127	-		
Chromium, Total	91		-		70-130	-		
Cobalt, Total	92		-		75-125	-		
Copper, Total	93		-		75-125	-		
Iron, Total	76		-		38-162	-		
Lead, Total	93		-		71-128	-		
Magnesium, Total	80		-		63-137	-		
Manganese, Total	89		-		76-124	-		
Nickel, Total	92		-		70-131	-		
Potassium, Total	81		-		60-140	-		
Selenium, Total	97		-		63-137	-		
Silver, Total	93		-		69-131	-		
Sodium, Total	93		-		37-162	-		
Thallium, Total	93		-		68-132	-		
Vanadium, Total	85		-		65-135	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: WOLLENSACK OPTICAL

Project Number: 2182207.13

Lab Number: L2014553

Report Date: 04/06/20

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1358126-2 SRM Lot Number: D105-540					
Zinc, Total	93	-	70-130	-	
Total Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1358127-2 SRM Lot Number: D105-540					
Mercury, Total	79	-	60-141	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: WOLLENSACK OPTICAL
Project Number: 2182207.13

Lab Number: L2014553
Report Date: 04/06/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 IWTRENCHREUSE-01-C-20200403	QC Batch ID: WG1358126-3					WG1358126-4	QC Sample: L2014553-01			Client ID:		
Aluminum, Total	7430	180	8480	**583**	Q	9290	**1030**	Q	75-125	9		20
Antimony, Total	ND	45	38.2	85		37.5	83		75-125	2		20
Arsenic, Total	4.30	10.8	14.6	95		15.2	101		75-125	4		20
Barium, Total	74.8	180	235	89		235	89		75-125	0		20
Beryllium, Total	0.446	4.5	4.51	100		4.69	104		75-125	4		20
Cadmium, Total	ND	4.59	3.27	**71**	Q	3.18	**69**	Q	75-125	3		20
Calcium, Total	21800	901	27300	**610**	Q	10500	**0**	Q	75-125	**89**	Q	20
Chromium, Total	9.35	18	26.4	95		28.0	104		75-125	6		20
Cobalt, Total	5.38	45	42.1	82		43.3	84		75-125	3		20
Copper, Total	13.5	22.5	34.9	95		33.2	88		75-125	5		20
Iron, Total	14900	90.1	13400	**0**	Q	16000	**1220**	Q	75-125	18		20
Lead, Total	26.9	45.9	65.5	84		60.0	**72**	Q	75-125	9		20
Magnesium, Total	3970	901	5740	**196**	Q	3690	**0**	Q	75-125	**43**	Q	20
Manganese, Total	4530	45	3000	**0**	Q	877	**0**	Q	75-125	**110**	Q	20
Nickel, Total	10.6	45	46.7	80		48.1	83		75-125	3		20
Potassium, Total	692	901	1640	105		1610	102		75-125	2		20
Selenium, Total	2.74	10.8	11.7	83		10.5	**72**	Q	75-125	11		20
Silver, Total	0.294J	27	25.4	94		25.4	94		75-125	0		20
Sodium, Total	1240	901	1800	**62**	Q	1390	**17**	Q	75-125	**26**	Q	20
Thallium, Total	5.06	10.8	12.0	**64**	Q	9.94	**45**	Q	75-125	19		20
Vanadium, Total	13.4	45	54.9	92		58.4	100		75-125	6		20

Matrix Spike Analysis
Batch Quality Control

Project Name: WOLLENSACK OPTICAL
Project Number: 2182207.13

Lab Number: L2014553
Report Date: 04/06/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery		Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 IWTRENCHREUSE-01-C-20200403	QC Batch ID: WG1358126-3					WG1358126-4	QC Sample: L2014553-01			Client ID:	
Zinc, Total	37.0	45	78.7	92		74.4	83		75-125	6	20
Total Metals - Mansfield Lab Associated sample(s): 01-03 IWTRENCHREUSE-01-C-20200403	QC Batch ID: WG1358127-3					WG1358127-4	QC Sample: L2014553-01			Client ID:	
Mercury, Total	0.062J	0.144	0.216	**150**	Q	0.219	**152**	Q	80-120	1	20

INORGANICS
&
MISCELLANEOUS

Project Name: WOLLENSACK OPTICAL
Project Number: 2182207.13
Lab Number: L2014553
Report Date: 04/06/20

SAMPLE RESULTS

Lab ID: L2014553-01
Client ID: IWTRENCHREUSE-01-C-20200403
Sample Location: 886 HUDSON AVE., ROCHESTER, NY
Sample Depth:
Matrix: Soil

Date Collected: 04/03/20 12:00
Date Received: 04/03/20
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.4		%	0.100	NA	1	-	04/04/20 12:24	121,2540G	SB
Cyanide, Total	ND		mg/kg	1.1	0.24	1	04/05/20 15:40	04/06/20 12:03	1,9010C/9012B	LH

Project Name: WOLLENSACK OPTICAL
Project Number: 2182207.13
Lab Number: L2014553
Report Date: 04/06/20

SAMPLE RESULTS

Lab ID: L2014553-02
Client ID: IWTRENCHREUSE-02-C-20200403
Sample Location: 886 HUDSON AVE., ROCHESTER, NY
Sample Depth:
Matrix: Soil

Date Collected: 04/03/20 14:30
Date Received: 04/03/20
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.9		%	0.100	NA	1	-	04/04/20 12:24	121,2540G	SB
Cyanide, Total	ND		mg/kg	1.1	0.24	1	04/05/20 15:40	04/06/20 12:06	1,9010C/9012B	LH

Project Name: WOLLENSACK OPTICAL
Project Number: 2182207.13
Lab Number: L2014553
Report Date: 04/06/20

SAMPLE RESULTS

Lab ID: L2014553-03
Client ID: DUPE-C-20200403
Sample Location: 886 HUDSON AVE., ROCHESTER, NY
Sample Depth:
Matrix: Soil

Date Collected: 04/03/20 12:30
Date Received: 04/03/20
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	81.4		%	0.100	NA	1	-	04/04/20 12:24	121,2540G	SB
Cyanide, Total	ND		mg/kg	1.1	0.24	1	04/05/20 15:40	04/06/20 12:07	1,9010C/9012B	LH

Project Name: WOLLENSACK OPTICAL
Project Number: 2182207.13
Lab Number: L2014553
Report Date: 04/06/20

SAMPLE RESULTS

Lab ID: L2014553-04
Client ID: IWTRENCHREUSE-01-G-20200403
Sample Location: 886 HUDSON AVE., ROCHESTER, NY
Sample Depth:
Matrix: Soil

Date Collected: 04/03/20 13:00
Date Received: 04/03/20
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	81.0		%	0.100	NA	1	-	04/04/20 12:24	121,2540G	SB

Project Name: WOLLENSACK OPTICAL
Project Number: 2182207.13
Lab Number: L2014553
Report Date: 04/06/20

SAMPLE RESULTS

Lab ID: L2014553-05
Client ID: DUPE-G-20200403
Sample Location: 886 HUDSON AVE., ROCHESTER, NY
Sample Depth:
Matrix: Soil

Date Collected: 04/03/20 14:00
Date Received: 04/03/20
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	79.9		%	0.100	NA	1	-	04/04/20 12:24	121,2540G	SB

Project Name: WOLLENSACK OPTICAL
Project Number: 2182207.13
Lab Number: L2014553
Report Date: 04/06/20

SAMPLE RESULTS

Lab ID: L2014553-06
Client ID: IWTRENCHREUSE-02-G-20200403
Sample Location: 886 HUDSON AVE., ROCHESTER, NY
Sample Depth:
Matrix: Soil

Date Collected: 04/03/20 15:00
Date Received: 04/03/20
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	80.7		%	0.100	NA	1	-	04/04/20 12:24	121,2540G	SB

Project Name: WOLLENSACK OPTICAL
Project Number: 2182207.13
Lab Number: L2014553
Report Date: 04/06/20

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-03 Batch: WG1358380-1										
Cyanide, Total	ND		mg/kg	0.98	0.21	1	04/05/20 15:40	04/06/20 11:49	1,9010C/9012B	LH

Lab Control Sample Analysis

Batch Quality Control

Project Name: WOLLENSACK OPTICAL

Project Number: 2182207.13

Lab Number: L2014553

Report Date: 04/06/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03 Batch: WG1358380-2 WG1358380-3								
Cyanide, Total	**74**	Q	85		80-120	14		35

Matrix Spike Analysis
Batch Quality Control

Project Name: WOLLENSACK OPTICAL
Project Number: 2182207.13

Lab Number: L2014553
Report Date: 04/06/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1358380-4 WG1358380-5 QC Sample: L2014553-01 Client ID: IWTRENCHREUSE-01-C-20200403												
Cyanide, Total	ND	11	10	91		11	100		75-125	10		35

Lab Duplicate Analysis

Batch Quality Control

Project Name: WOLLENSACK OPTICAL

Project Number: 2182207.13

Lab Number: L2014553

Report Date: 04/06/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1358285-1 QC Sample: L2014553-01 Client ID: IWTRENCHREUSE-01-C-20200403						
Solids, Total	87.4	87.6	%	0		20

Project Name: WOLLENSACK OPTICAL
Project Number: 2182207.13

Lab Number: L2014553
Report Date: 04/06/20

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2014553-01A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		5.2	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),TL-TI(180),NI-TI(180),SB-TI(180),SE-TI(180),PB-TI(180),CU-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),MG-TI(180),MN-TI(180),HG-T(28),K-TI(180),CD-TI(180),CA-TI(180),NA-TI(180)
L2014553-01A1	Glass 60mL/2oz unpreserved	A	NA		5.2	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),TL-TI(180),NI-TI(180),SB-TI(180),SE-TI(180),PB-TI(180),CU-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),MG-TI(180),HG-T(28),MN-TI(180),K-TI(180),CD-TI(180),CA-TI(180),NA-TI(180)
L2014553-01A2	Glass 60mL/2oz unpreserved	A	NA		5.2	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),TL-TI(180),NI-TI(180),SB-TI(180),SE-TI(180),PB-TI(180),CU-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),MG-TI(180),HG-T(28),MN-TI(180),K-TI(180),CD-TI(180),CA-TI(180),NA-TI(180)
L2014553-01B	Glass 120ml/4oz unpreserved	A	NA		5.2	Y	Absent		TS(7)
L2014553-01B1	Glass 120ml/4oz unpreserved	A	NA		5.2	Y	Absent		TS(7)
L2014553-01B2	Glass 120ml/4oz unpreserved	A	NA		5.2	Y	Absent		TS(7)
L2014553-01C	Glass 120ml/4oz unpreserved	A	NA		5.2	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14)
L2014553-01C1	Glass 120ml/4oz unpreserved	A	NA		5.2	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14)
L2014553-01C2	Glass 120ml/4oz unpreserved	A	NA		5.2	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14)
L2014553-01D	Glass 120ml/4oz unpreserved	A	NA		5.2	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14)
L2014553-01D1	Glass 120ml/4oz unpreserved	A	NA		5.2	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14)
L2014553-01D2	Glass 120ml/4oz unpreserved	A	NA		5.2	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14)
L2014553-01E	Glass 120ml/4oz unpreserved	A	NA		5.2	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14)

*Values in parentheses indicate holding time in days

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2014553-01E1	Glass 120ml/4oz unpreserved	A	NA		5.2	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14)
L2014553-01E2	Glass 120ml/4oz unpreserved	A	NA		5.2	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14)
L2014553-01F	Glass 120ml/4oz unpreserved	A	NA		5.2	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14)
L2014553-01F1	Glass 120ml/4oz unpreserved	A	NA		5.2	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14)
L2014553-01F2	Glass 120ml/4oz unpreserved	A	NA		5.2	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14)
L2014553-01G	Glass 120ml/4oz unpreserved	A	NA		5.2	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14)
L2014553-01G1	Glass 120ml/4oz unpreserved	A	NA		5.2	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14)
L2014553-01G2	Glass 120ml/4oz unpreserved	A	NA		5.2	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14)
L2014553-02A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		5.2	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),NI-TI(180),TL-TI(180),CR-TI(180),PB-TI(180),ZN-TI(180),CU-TI(180),SE-TI(180),SB-TI(180),CO-TI(180),V-TI(180),MN-TI(180),FE-TI(180),MG-TI(180),HG-T(28),CD-TI(180),NA-TI(180),CA-TI(180),K-TI(180)
L2014553-02B	Glass 120ml/4oz unpreserved	A	NA		5.2	Y	Absent		TS(7)
L2014553-02C	Glass 120ml/4oz unpreserved	A	NA		5.2	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14)
L2014553-02D	Glass 120ml/4oz unpreserved	A	NA		5.2	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14)
L2014553-02E	Glass 120ml/4oz unpreserved	A	NA		5.2	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14)
L2014553-02F	Glass 120ml/4oz unpreserved	A	NA		5.2	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14)
L2014553-02G	Glass 120ml/4oz unpreserved	A	NA		5.2	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14)
L2014553-03A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		5.2	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),NI-TI(180),CR-TI(180),TL-TI(180),PB-TI(180),ZN-TI(180),CU-TI(180),SE-TI(180),SB-TI(180),CO-TI(180),V-TI(180),HG-T(28),FE-TI(180),MG-TI(180),MN-TI(180),NA-TI(180),K-TI(180),CA-TI(180),CD-TI(180)
L2014553-03B	Glass 120ml/4oz unpreserved	A	NA		5.2	Y	Absent		TS(7)
L2014553-03C	Glass 120ml/4oz unpreserved	A	NA		5.2	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14)

*Values in parentheses indicate holding time in days

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2014553-03D	Glass 120ml/4oz unpreserved	A	NA		5.2	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14)
L2014553-03E	Glass 120ml/4oz unpreserved	A	NA		5.2	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14)
L2014553-03F	Glass 120ml/4oz unpreserved	A	NA		5.2	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14)
L2014553-03G	Glass 120ml/4oz unpreserved	A	NA		5.2	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14)
L2014553-04A	Vial MeOH preserved	A	NA		5.2	Y	Absent		NYTCL-8260HLW-R2(14)
L2014553-04A1	Vial MeOH preserved	A	NA		5.2	Y	Absent		NYTCL-8260HLW-R2(14)
L2014553-04A2	Vial MeOH preserved	A	NA		5.2	Y	Absent		NYTCL-8260HLW-R2(14)
L2014553-04B	Vial water preserved	A	NA		5.2	Y	Absent	04-APR-20 02:38	NYTCL-8260HLW-R2(14)
L2014553-04B1	Vial water preserved	A	NA		5.2	Y	Absent	04-APR-20 02:38	NYTCL-8260HLW-R2(14)
L2014553-04B2	Vial water preserved	A	NA		5.2	Y	Absent	04-APR-20 02:38	NYTCL-8260HLW-R2(14)
L2014553-04C	Vial water preserved	A	NA		5.2	Y	Absent	04-APR-20 02:38	NYTCL-8260HLW-R2(14)
L2014553-04C1	Vial water preserved	A	NA		5.2	Y	Absent	04-APR-20 02:38	NYTCL-8260HLW-R2(14)
L2014553-04C2	Vial water preserved	A	NA		5.2	Y	Absent	04-APR-20 02:38	NYTCL-8260HLW-R2(14)
L2014553-04D	Plastic 2oz unpreserved for TS	A	NA		5.2	Y	Absent		TS(7)
L2014553-04D1	Plastic 2oz unpreserved for TS	A	NA		5.2	Y	Absent		TS(7)
L2014553-04D2	Plastic 2oz unpreserved for TS	A	NA		5.2	Y	Absent		TS(7)
L2014553-05A	Vial MeOH preserved	A	NA		5.2	Y	Absent		NYTCL-8260HLW-R2(14)
L2014553-05B	Vial water preserved	A	NA		5.2	Y	Absent	04-APR-20 02:38	NYTCL-8260HLW-R2(14)
L2014553-05C	Vial water preserved	A	NA		5.2	Y	Absent	04-APR-20 02:38	NYTCL-8260HLW-R2(14)
L2014553-05D	Plastic 2oz unpreserved for TS	A	NA		5.2	Y	Absent		TS(7)
L2014553-06A	Vial MeOH preserved	A	NA		5.2	Y	Absent		NYTCL-8260HLW-R2(14),NYTCL-8260H-R2(14)
L2014553-06B	Vial water preserved	A	NA		5.2	Y	Absent	04-APR-20 02:38	NYTCL-8260HLW-R2(14),NYTCL-8260H-R2(14)
L2014553-06C	Vial water preserved	A	NA		5.2	Y	Absent	04-APR-20 02:38	NYTCL-8260HLW-R2(14),NYTCL-8260H-R2(14)
L2014553-06D	Plastic 2oz unpreserved for TS	A	NA		5.2	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Project Name:	WOLLENSACK OPTICAL	**Lab Number:**	L2014553
Project Number:	2182207.13	**Report Date:**	04/06/20

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

Report Format: DU Report with 'J' Qualifiers

Project Name:	WOLLENSACK OPTICAL	**Lab Number:**	L2014553
Project Number:	2182207.13	**Report Date:**	04/06/20

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration

Project Name:	WOLLENSACK OPTICAL	**Lab Number:**	L2014553
Project Number:	2182207.13	**Report Date:**	04/06/20

Data Qualifiers

Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Report Format: DU Report with 'J' Qualifiers

Project Name:	WOLLENSACK OPTICAL	**Lab Number:**	L2014553
Project Number:	2182207.13	**Report Date:**	04/06/20

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
EPA TO-12 Non-methane organics
EPA 3C Fixed gases
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page \ of

Date Rec'd in Lab: 4/4/20

ALPHA Job #: L2014553

Client Information
Client: LaBella
Address: 300 State St. Rochester, NY
Phone: 585 454 6110
Fax: AckS.nz@LaBellaPC.com
Email: MPolychuk@LaBellaPC.com

Project Information
Project Name: Wollensack
Project Location: 856 Hudson Ave Rochester NY
Project #: 2182207.13
(Use Project name as Project #)
Project Manager: Mike Polychuk
ALPHAQuote #:

Turn-Around Time
Standard
Rush (only if pre approved)
Due Date:
of Days: 1 day

These samples have been previously analyzed by Alpha

Other project specific requirements/comments:

Please specify Metals or TAL.

Deliverables
~~ASP-A~~ Add
ASP-B
EQuIS (1 File)
EQuIS (4 File)
Other

Regulatory Requirement
NY TOGS
NY Part 375
AWQ Standards
NY CP-51
NY Restricted Use
Other
NY Unrestricted Use
NYC Sewer Discharge

Billing Information
Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
NJ
NY
Other:

ANALYSIS

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	1,4 Dioxane	TCL VOC+TICs	TCL SVOC+TICs	PCB	Pesticides	CYanide	TAL Metals		Sample Specific Comments	Total Bottle
14553 -01	IW Trench Reuse-01-C-20200403	4/3/20	1200	Soil	AD	+		X	7	7	4	7		MS/MSD	3
-02	IW Trench Reuse-02-C-20200403	4/3/20	1430	Soil	AD	+		X	7	7	4	7			
-03	DUPE-C-20200403	"	1230	Soil	AD	+		X	7	7	4	7			
-04	IW Trench Reuse-01-G-20200403	"	1300	"	AD		X							MS/MSD No+Frozen	12
-05	DUPE-G-20200403	"	1400	"	AD		X								4
-06	IW Trench Reuse-02-G-20200403	"	1500	"	AD		X								4

Sample Filtration
Done
Lab to do
Preservation
Lab to do
(Please Specify below)

Container Type
Preservative

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

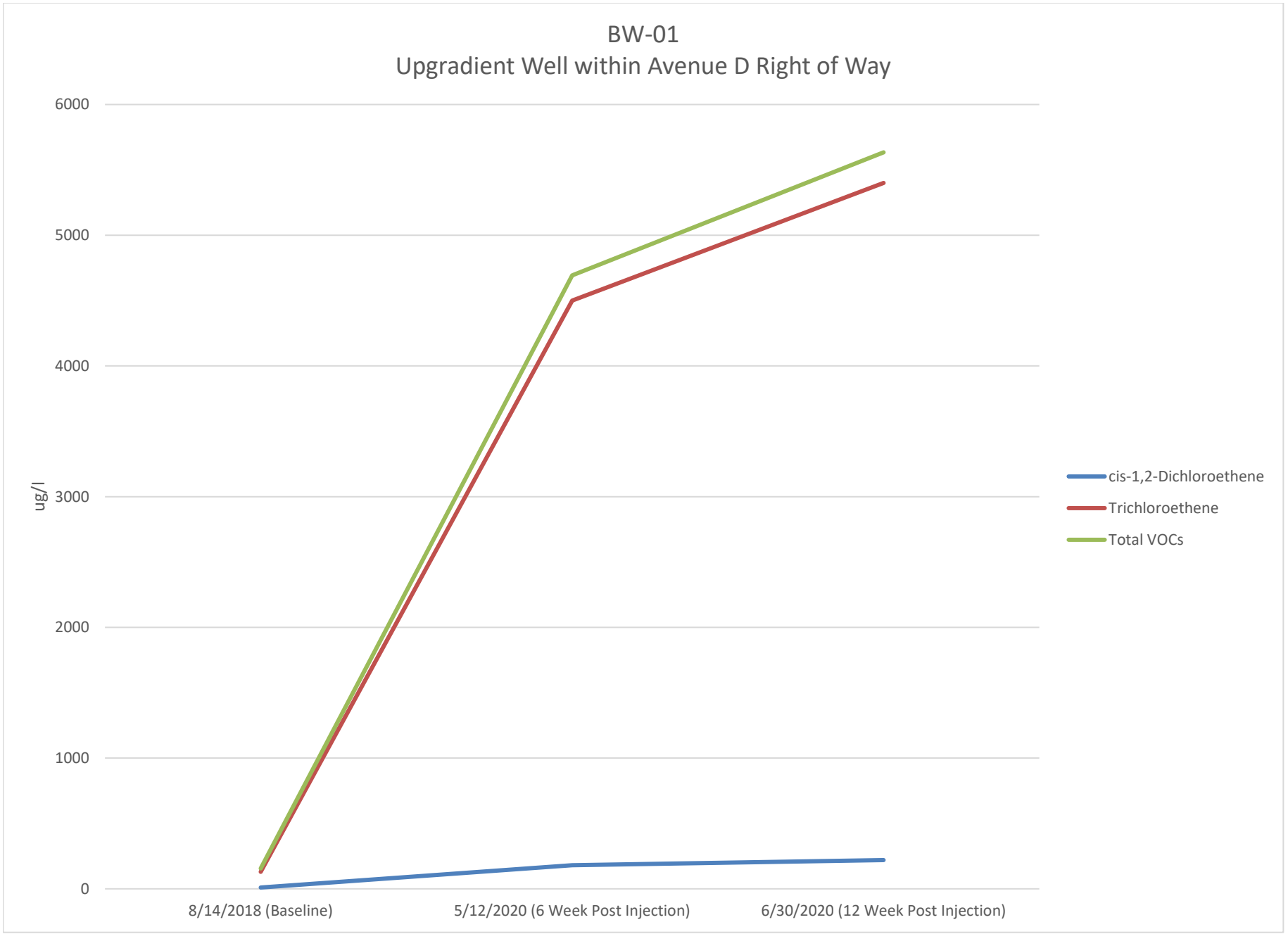
Relinquished By:	Date/Time	Received By:	Date/Time
	4/3/20 1618		4/3/20 1618
	4/3/20 1618		4/4/20 00:50

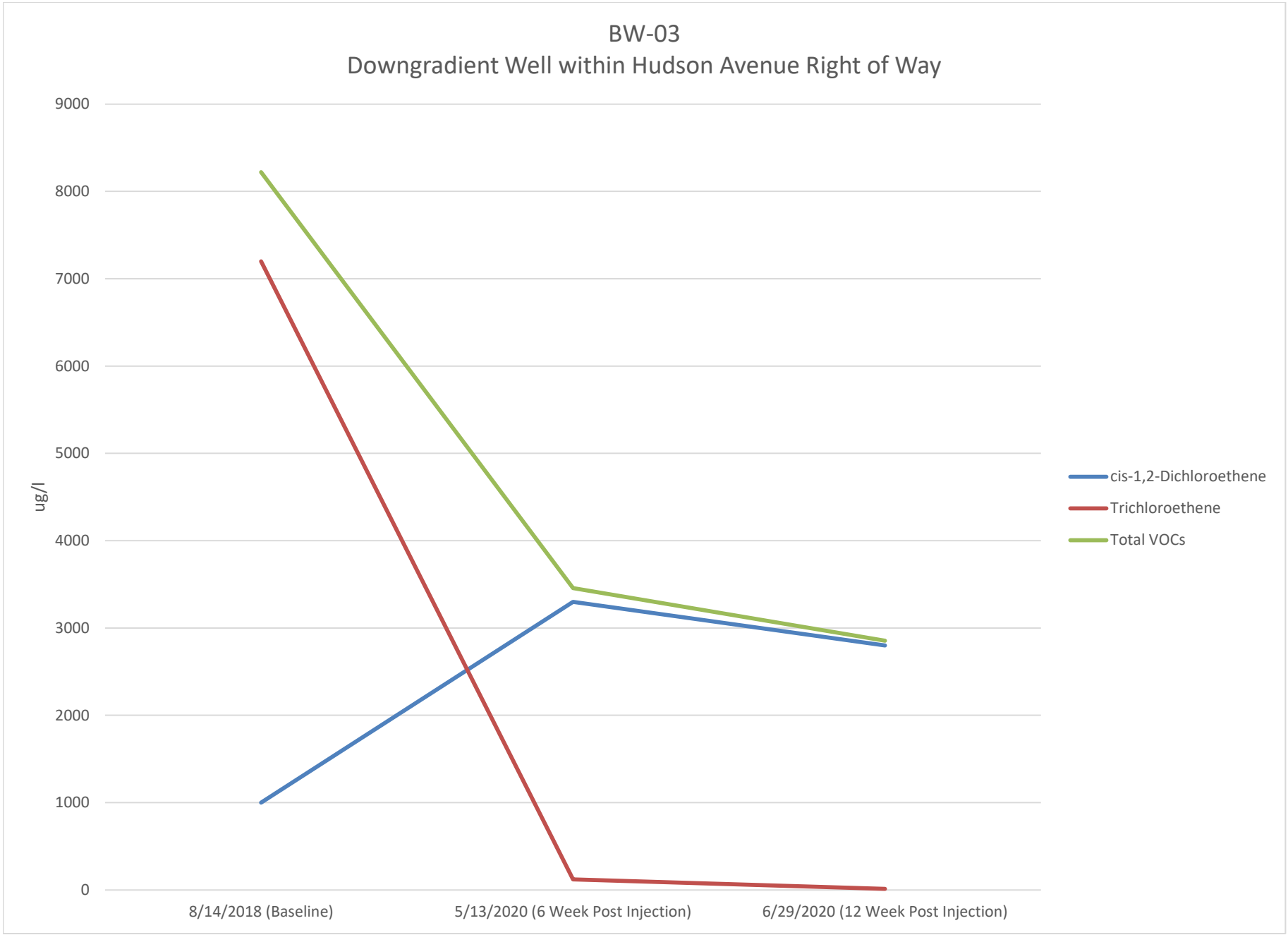
Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

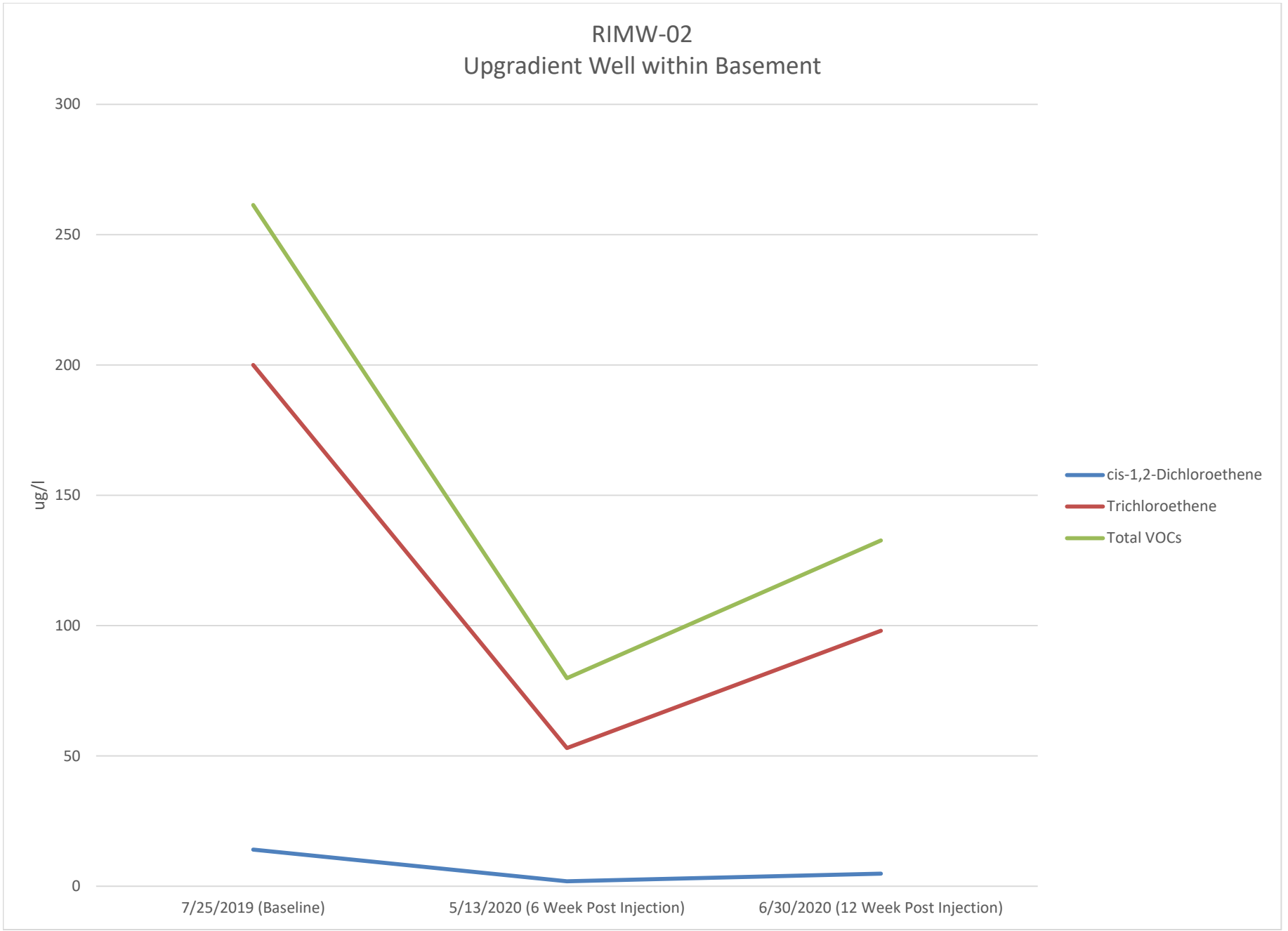
Form No: 01-25 HC (rev. 30-Sept-2013)

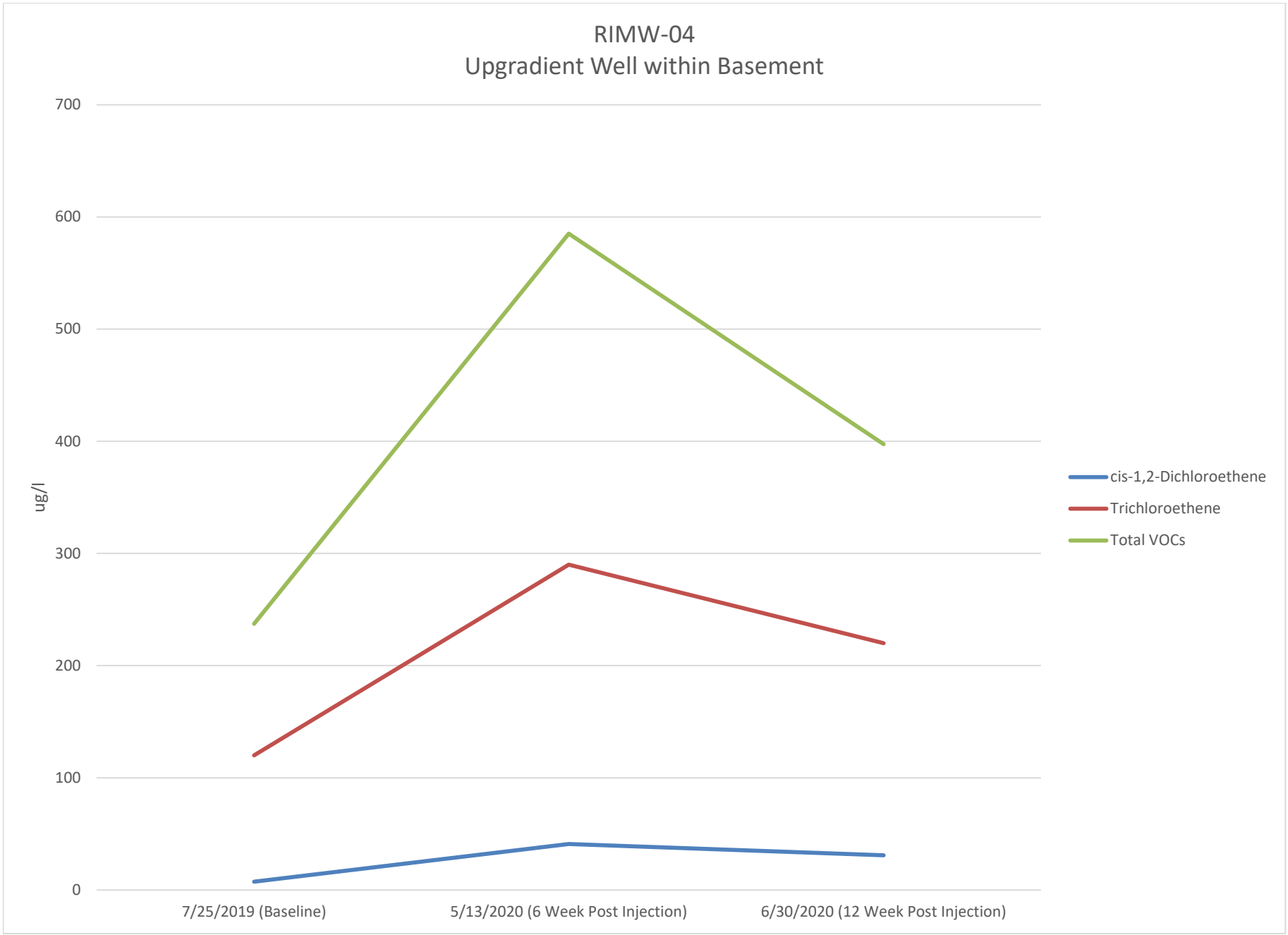
APPENDIX K

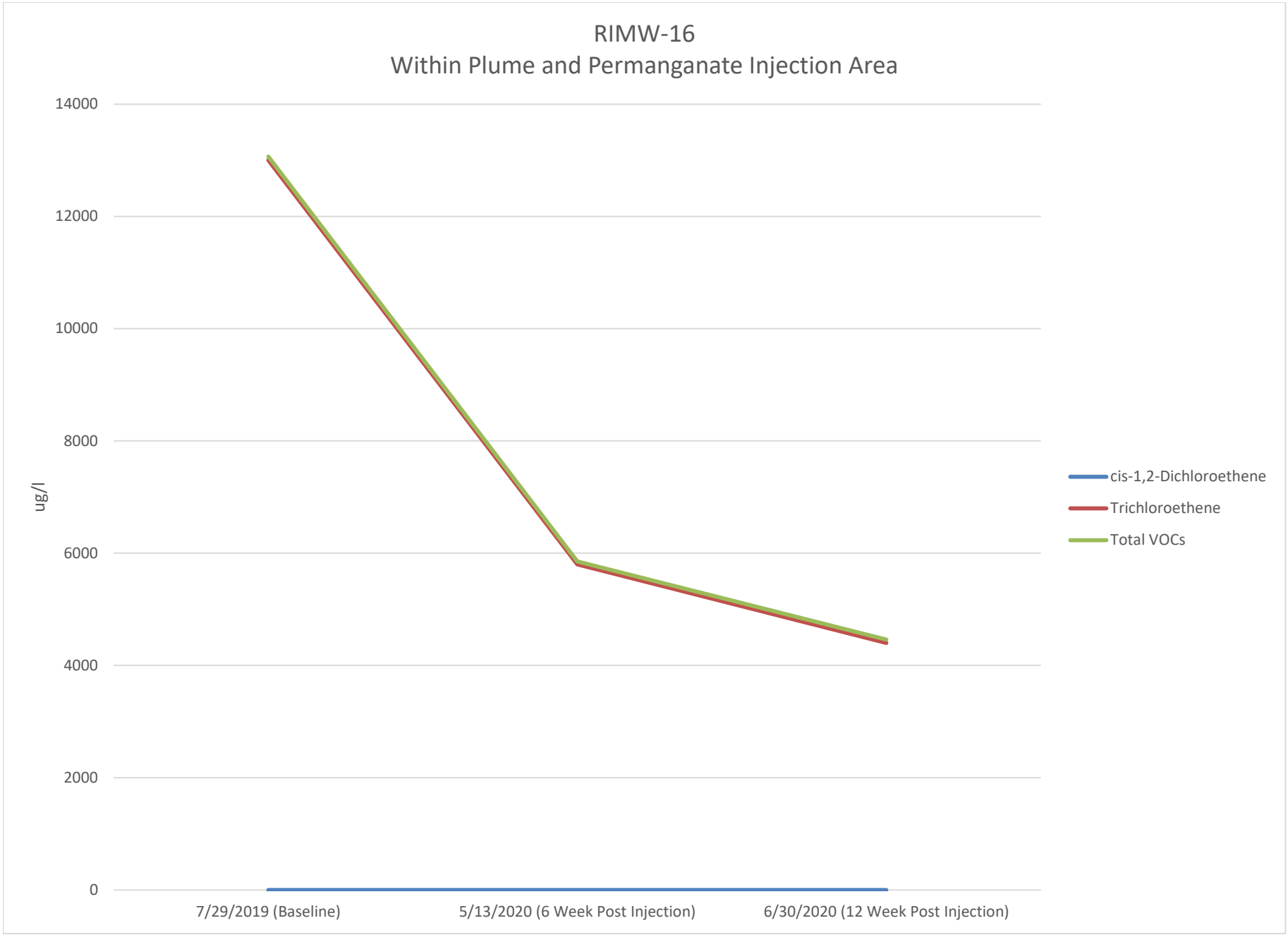
RAOC #1 Groundwater Performance Monitoring Graphs

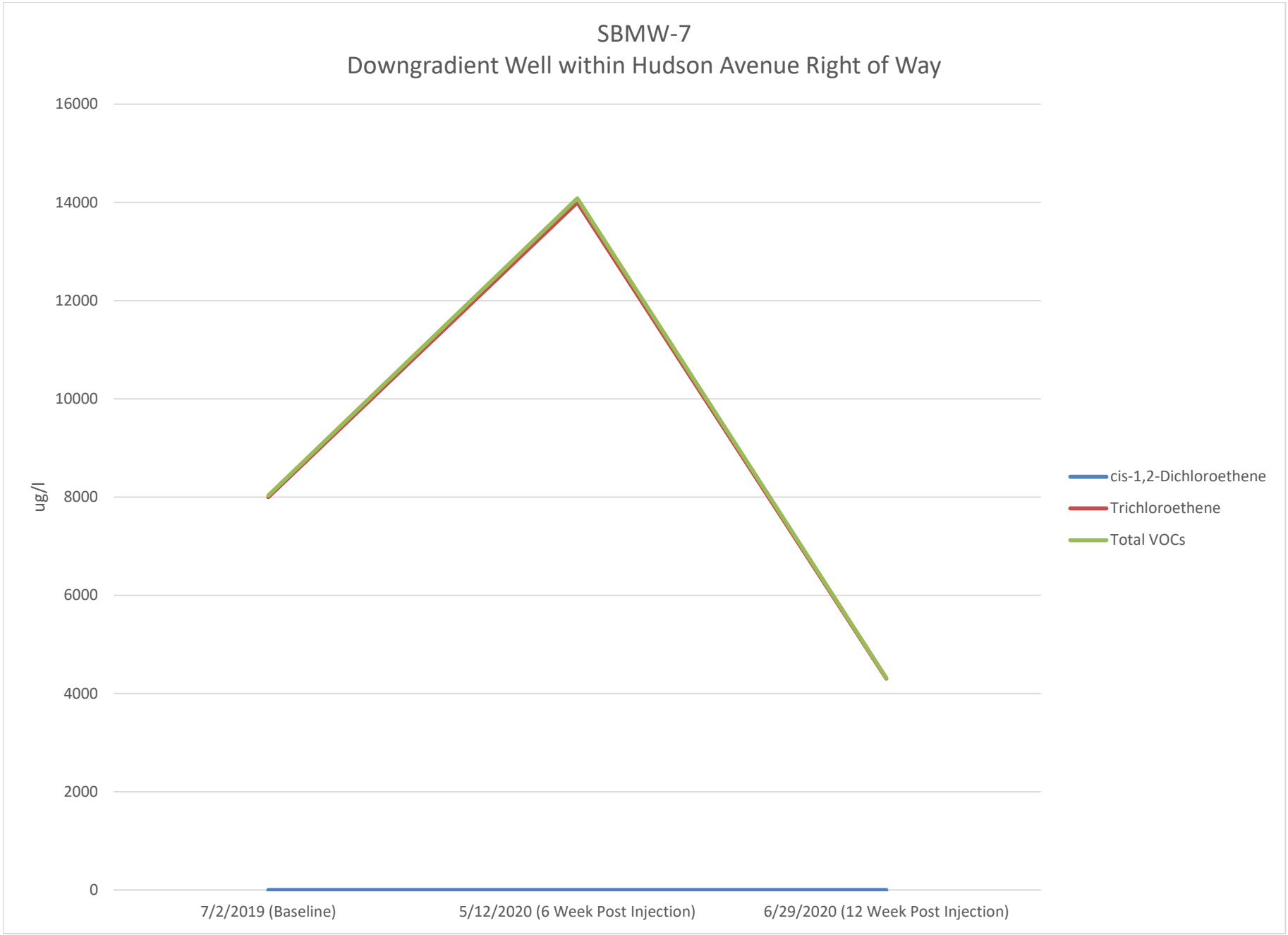

BW-01
Upgradient Well within Avenue D Right of Way
6000
5000
4000
3000
2000
1000
0
ug/l
8/14/2018 (Baseline)
5/12/2020 (6 Week Post Injection)
6/30/2020 (12 Week Post Injection)
cis-1,2-Dichloroethene
Trichloroethene
Total VOCs

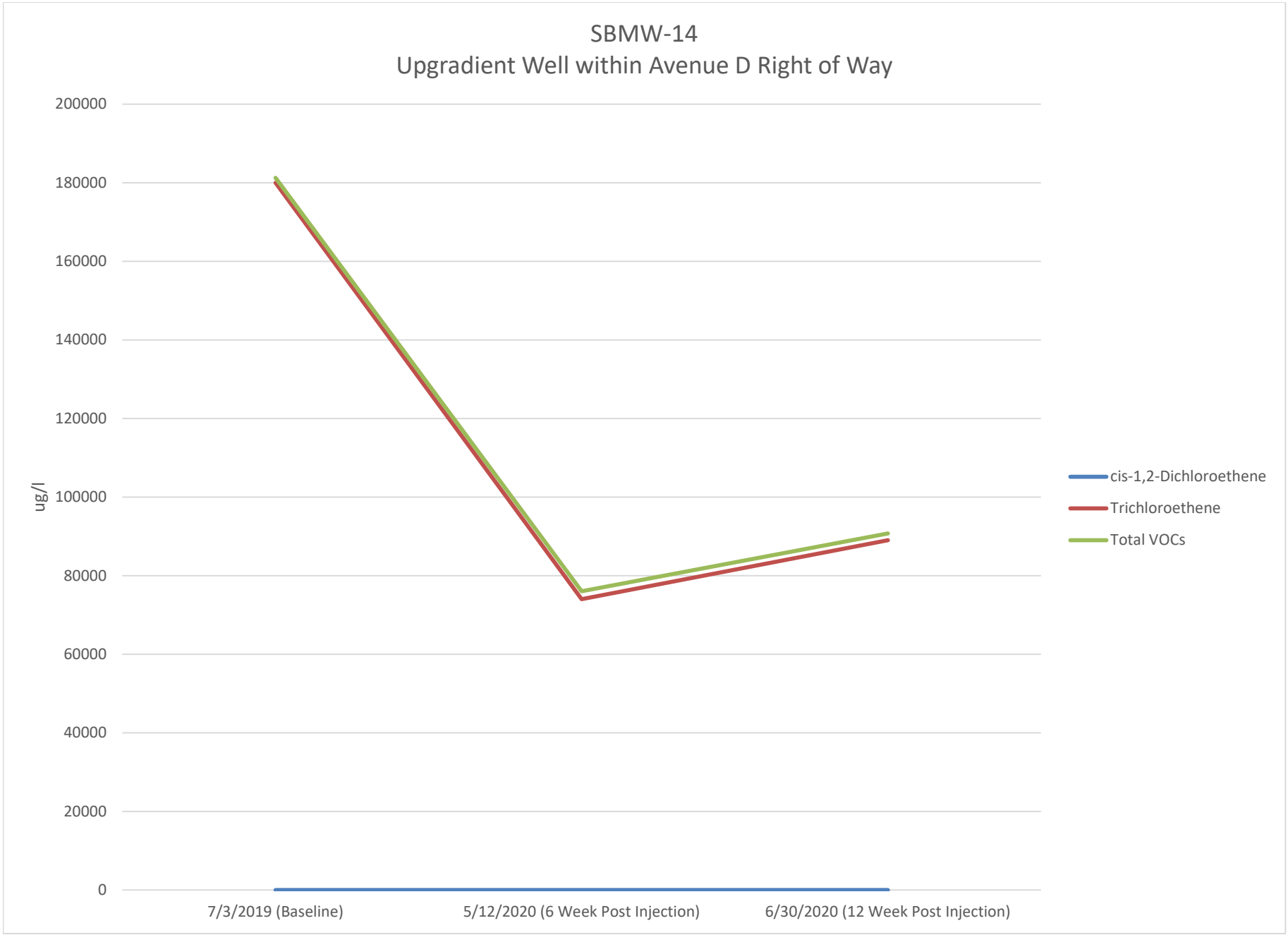

BW-03
Downgradient Well within Hudson Avenue Right of Way
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
ug/l
8/14/2018 (Baseline)
5/13/2020 (6 Week Post Injection)
6/29/2020 (12 Week Post Injection)
cis-1,2-Dichloroethene
Trichloroethene
Total VOCs

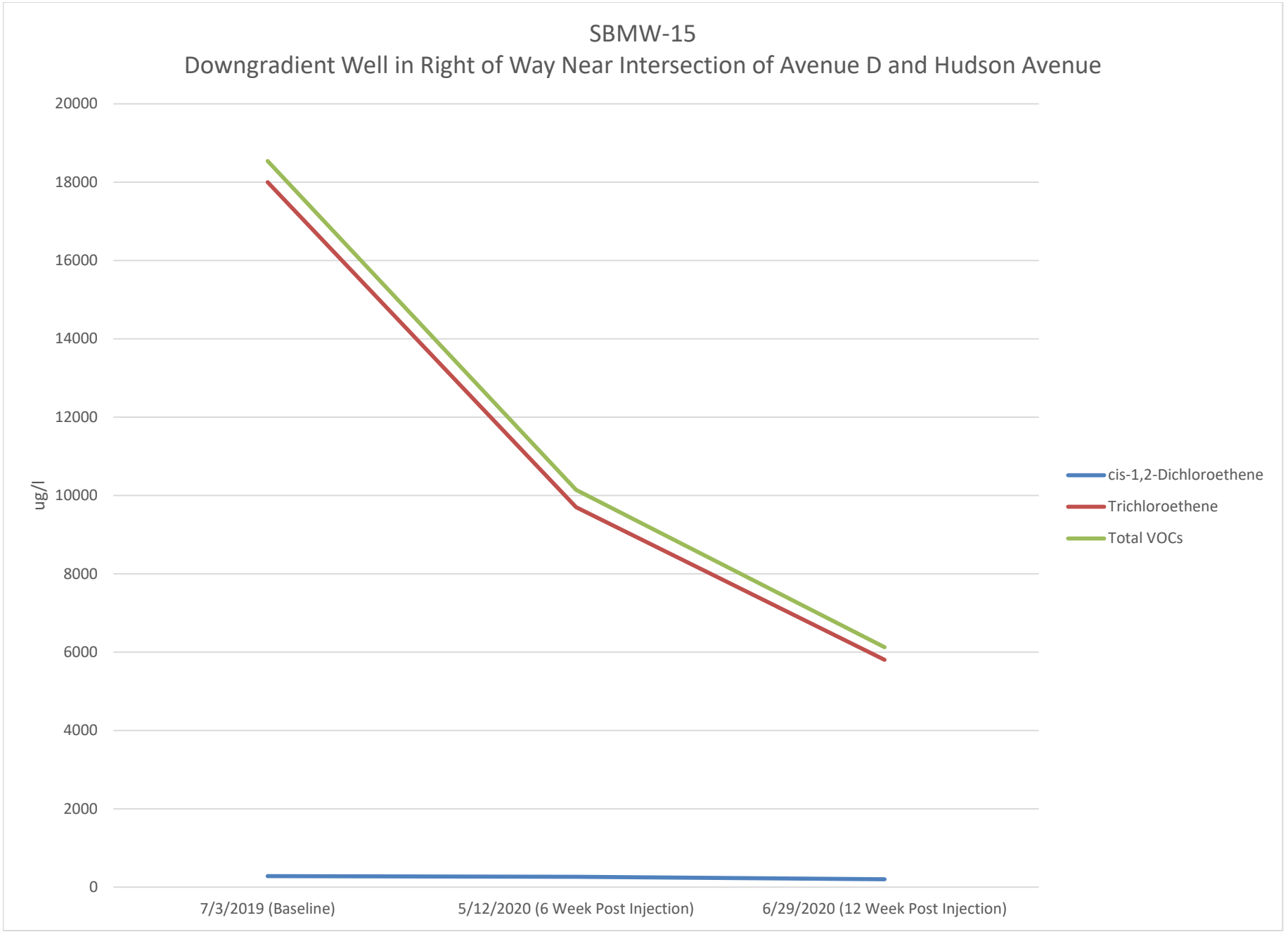

RIMW-02
Upgradient Well within Basement
300
250
200
150
100
50
0
ug/l
7/25/2019 (Baseline)
5/13/2020 (6 Week Post Injection)
6/30/2020 (12 Week Post Injection)
cis-1,2-Dichloroethene
Trichloroethene
Total VOCs

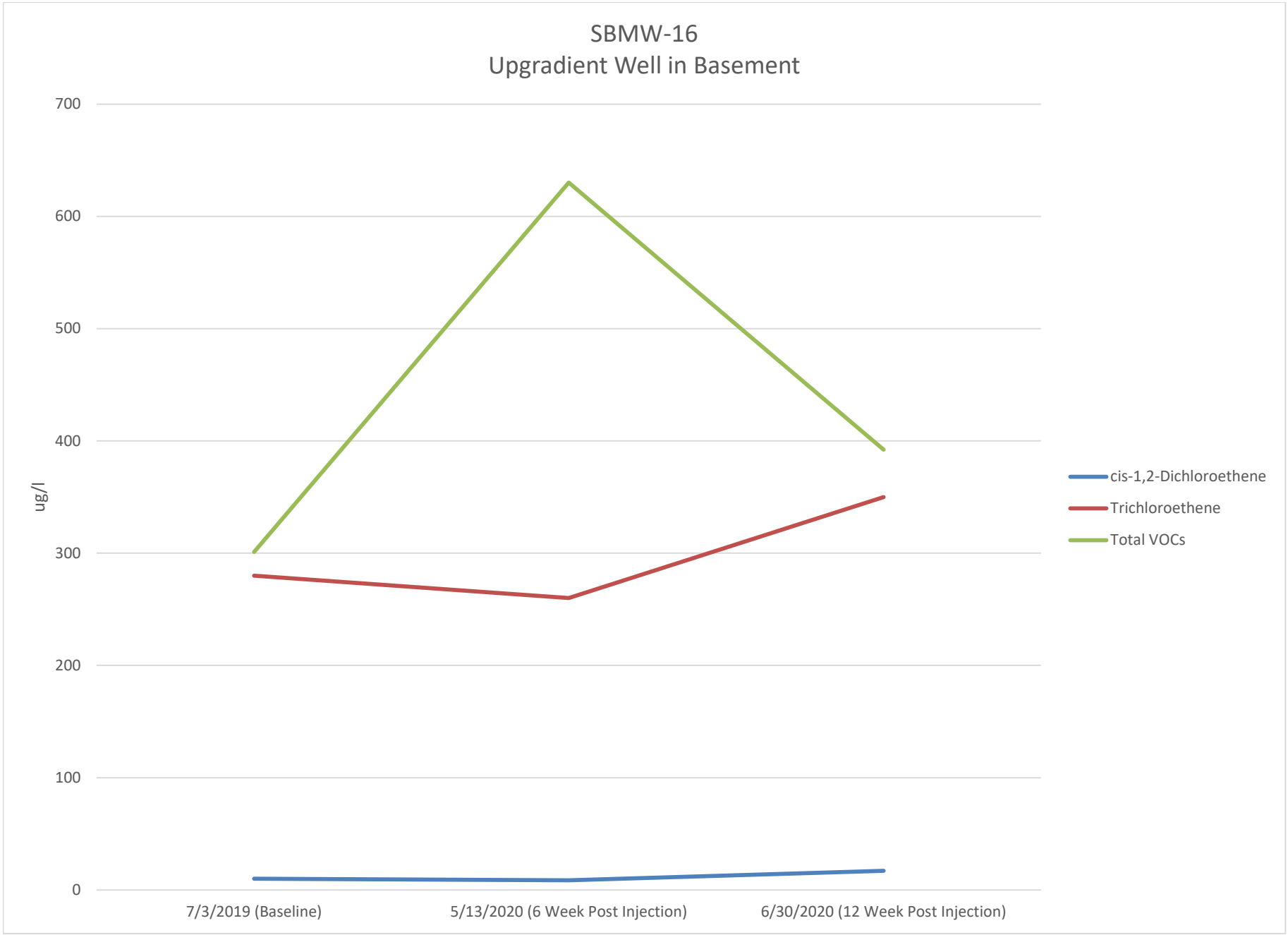

RIMW-04
Upgradient Well within Basement
700
600
500
400
300
200
100
0
ug/l
7/25/2019 (Baseline)
5/13/2020 (6 Week Post Injection)
6/30/2020 (12 Week Post Injection)
cis-1,2-Dichloroethene
Trichloroethene
Total VOCs


RIMW-16
Within Plume and Permanganate Injection Area
14000
12000
10000
8000
6000
4000
2000
0
ug/l
7/29/2019 (Baseline)
5/13/2020 (6 Week Post Injection)
6/30/2020 (12 Week Post Injection)
cis-1,2-Dichloroethene
Trichloroethene
Total VOCs


SBMW-7
Downgradient Well within Hudson Avenue Right of Way
16000
14000
12000
10000
8000
6000
4000
2000
0
ug/l
7/2/2019 (Baseline)
5/12/2020 (6 Week Post Injection)
6/29/2020 (12 Week Post Injection)
cis-1,2-Dichloroethene
Trichloroethene
Total VOCs


SBMW-14
Upgradient Well within Avenue D Right of Way
200000
180000
160000
140000
120000
100000
80000
60000
40000
20000
0
ug/l
7/3/2019 (Baseline)
5/12/2020 (6 Week Post Injection)
6/30/2020 (12 Week Post Injection)
cis-1,2-Dichloroethene
Trichloroethene
Total VOCs


SBMW-15
Downgradient Well in Right of Way Near Intersection of Avenue D and Hudson Avenue
20000
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
ug/l
7/3/2019 (Baseline)
5/12/2020 (6 Week Post Injection)
6/29/2020 (12 Week Post Injection)
cis-1,2-Dichloroethene
Trichloroethene
Total VOCs


SBMW-16
Upgradient Well in Basement
700
600
500
400
300
200
100
0
ug/l
7/3/2019 (Baseline)
5/13/2020 (6 Week Post Injection)
6/30/2020 (12 Week Post Injection)
cis-1,2-Dichloroethene
Trichloroethene
Total VOCs

APPENDIX L

Data Usability Summary Reports

DUSR for Laboratory Report
L2020006

DATA USABILITY SUMMARY REPORT

for

LABELLA ASSOCIATES, P.C.

300 State Street

Rochester, NY 14614

872 HUDSON AVE.
FORMER WALLENSACK OPTICAL
Project 2182207
SDG: L2020006
Sampled 05/12/2020 and 5/13/2020

VOLATILE ORGANICS

BW-01	(L2020006-01)	SB-MW-14	(L2020006-02)
SB-MW-15	(L2020006-03)	R1MW-16	(L2020006-04)
SB-MW-07	(L2020006-05)	R1MW-04	(L2020006-06)
SB-MW-16	(L2020006-07)	R1MW-02	(L2020006-08)
BW-03	(L2020006-09)	QA/QC	(L2020006-10)

DATA ASSESSMENT

An ASP Category B data package containing analytical results for ten aqueous samples was received from Labella Associates, P.C. on 10Jul20. The deliverables package included formal reports, raw data, the necessary QC, and supporting information. The samples, taken from the 872 Hudson Ave. Site, were identified by Chain of Custody documents and traceable through the work of Alpha Analytical, the laboratory contracted for analysis. Analyses, performed according to SW-846 Method 8260, addressed determinations of volatile organics. Laboratory data was evaluated according to the quality assurance / quality control requirements of the New York State Department of Environmental Conservation's Analytical Services Protocol (ASP), September 1989, Rev. 07/2005. When the required protocol was not followed, the current EPA Region II Functional Guidelines (SOP NO. HW-33, Rev. #3, March 2013, Low/Medium Volatile Data Validation) was used as a technical reference.

The acetone and 2-butanone concentrations found in this group of samples have been qualified as estimations because they may represent laboratory artifacts.

The trichloroethene, 1,4-dioxane and bromomethane results from this project have been qualified as estimations due to poor calibration performance.

The bromomethane and chloroethane results from BW-01; the bromomethane, chloroethane and 1,2,3-trichlorobenzene results from every sample except R1MW-02; and the 1,2-dibromo-3-chloropropane from R1MW-02 have been qualified as estimations due to unacceptable spiked sample or spiked blank (LCS) recoveries.

The positive results from SB-MW-15 and QA/QC have qualified as estimations due to poor measurement precision.

CORRECTNESS AND USABILITY

Reported data should be considered technically defensible and completely usable in its present form. Results presenting a usable estimation of the conditions at the time of sampling have been flagged "J", "UJ" or "DJ". Estimated data should be used with caution. A detailed discussion of the review process follows.

Two facts should be considered by all data users. No compound concentration, even if it has passed strict QC testing, can be guaranteed to be accurate. Strict QC serves to increase confidence in data, but any value potentially contains error. Secondly. DATAVAL, Inc. guarantees the quality of this data

assessment. However, DATAVAL, Inc. does not warrant any interpretation or utilization of this data by a third party.

Reviewer's signature: _____ Date: 14 July 20

James B. Baldwin
DATAVAL Inc.

SAMPLE HISTORY

Analyte concentrations can deteriorate with time due to chemical instability, bacterial degradation, or volatility. Samples that are not properly preserved or are not analyzed within established holding times may no longer be considered representative. Holding times are calculated from the time of sample collection. Samples must remain chilled to 4±2°C between the time of collection and the time of analysis. Acid preserved VOC samples must be analyzed within 14 days, unpreserved VOC samples within 7 days. The holding time for VOC soils is 14 days. Aqueous semivolatile organics, pesticide and PCB samples must be extracted within seven days of collection. Soils must be extracted within 14 days. The extracts must then be analyzed within forty days of extraction. The holding times for cyanide and mercury samples are 14 and 28 days, respectively. Metals samples must be analyzed within six months.

This delivery group contained ten aqueous samples that were collected from the 872 Hudson Ave. site on 12May20 and 13May20. The entire group of samples was delivered to the laboratory, via a laboratory courier, on 14May20. At the time of receipt the cooler of samples was found to be intact and packed with ice. A cooler temperature of 5.3°C was recorded at the time of receipt. Although proper sample preservation was not documented in the field custody record, checks made at the time of analysis verified that each sample volume was properly preserved at a pH<2.

At the time of receipt it was noted that one sample vial from SBMW-07 contained headspace. It is assumed that, because three vials of each sample were collected, a vial without headspace was selected for analysis.

VOLATILE ORGANICS

This group of samples was analyzed for volatile organics between 18May20 and 19May20. The SW-846 holding time requirements were satisfied.

Blanks

Blanks are analyzed to evaluate various sources of sample contamination. Field blanks monitor sampling activities. Trip blanks monitor sample transport and storage operations. Method blanks are analyzed to verify instrument integrity. Samples are considered compromised by conditions causing contamination in any blank.

Two method blanks were analyzed with this group of samples. Both of these blanks demonstrated acceptable chromatography and were free of targeted analyte contamination.

Although not found in the associated blanks, acetone and 2-butanone were fond in QA/QC, R1MW-04, SB-MW-16 and R1MW-02. These

concentrations have been qualified as estimations because low levels of acetone and 2-butanone frequently represent laboratory artifacts. Acetone and 2-butanone (MEK) could not be removed from the affected reports because they were not detected in the associated blanks.

MS Tuning

Mass spectrometer tuning and performance criteria are established to ensure sufficient mass resolution and sensitivity to accurately detect and identify targeted analytes. Verification is accomplished using a certified standard.

An Instrument Performance Check Standard of BFB was analyzed prior to each analytical sequence that included samples from this program. An Instrument Performance Check Form is present for each BFB evaluation. The BFB tunes associated with this project satisfied the program acceptance criteria.

Calibrations

Requirements for instrument calibration are established to ensure that laboratory equipment is capable of producing accurate, quantitative data. Initial calibrations demonstrate a range through which measurements may be made. Continuing calibration check standards verify instrument stability.

Initial instrument calibrations for VOC were performed on 13Mar20 and 21Apr20. Standards of 0.15, 0.5, 2.0, 10, 30, 80, 120 and 200 µg/l were included on 13Mar20. The 21Apr20 calibration replaced the 0.15 µg/l standard with a low level standard of 0.19 µg/l. With the exception of 1,4-dioxane and trichloroethene, each targeted analyte produced the required levels of instrument response and demonstrated an acceptable degree of linearity during both calibrations. 1,4-Dioxanne and trichloroethene standards, however, failed to produce the required levels of instrument response. The 1,4-dioxane (14DIOXANE) and trichloroethene (TCE) results from this group of samples have been qualified as estimations based on this performance.

Calibration check standards were analyzed on 18May20 and 19May20, prior to each 12-hour period of instrument operation that included samples from this program. When compared to both initial calibrations, unacceptable shifts were observed in the instrument response of bromomethane. The bromomethane (BRMANE) results from this project have been qualified as estimations based on this performance. The remaining analytes demonstrated an acceptable level of instrument stability during both calibration checks. It is noted that the response of trichloroethene and 1,4-dioxane remained low during these checks.

Surrogates

Each sample, blank and standard is spiked with surrogate compounds prior to analysis. The structures of surrogates are similar to analytes of interest, but they are not normally found in environ-

mental samples. Surrogate recoveries are monitored to evaluate overall laboratory performance and the efficiency of laboratory technique.

Surrogate Summary Sheets were properly prepared, based on the laboratory's statistical acceptance criteria. When compared to the ASP requirements, however, an acceptable recovery was reported for each surrogate addition to this group of samples.

Internal Standards

Internal standards are added to each sample, blank and standard just prior to injection. Analyte concentrations are calculated relative to the response of a specific internal standard. Internal standard performance criteria ensure that GC/MS sensitivity and response are stable during the analysis of each sample. The area of internal standard peaks may not vary by more than a factor of two. When compared to the preceding calibration check, retention times may not vary by more than 30 seconds.

The laboratory correctly calculated control limits for internal standard response and retention times. When compared to this criteria, acceptable performance was demonstrated by each internal standard addition to this group of samples.

Matrix Spikes

Matrix spiking refers to the addition of known analyte concentrations to a sample, prior to analysis. Analyte recoveries provide an indication of laboratory accuracy. The analysis of a duplicate spiked aliquot provides a measurement of precision.

BW-01 was selected for matrix spiking. Each targeted analyte was added to two aliquots of this sample. The recoveries reported for these spikes included low results for bromomethane (24%,25%) and chloroethane (65%,65%) and a high recovery of 1,4-dioxane (155%). The positive bias indicated by the high recovery of 1,4-dioxane warrants no concern because 1,4-dioxane was not detected in BW-01. The bromomethane (BRMANE) and chloroethane (CLEANE) results from BW-01 have been qualified as estimations.

Two pairs of spiked blanks (LCS/LCSD) were also analyzed with this group of samples. The recoveries reported from these LCS samples included low results for bromomethane (36%,37%), chloroethane (67%), 1,2,3-trichlorobenzene (66%) and 1,2-dibromo-3-chloropropane (69%,68%). Based on this performance, the bromomethane, chloroethane and 1,2,3-trichlorobenzene results from every sample except R1MW-02, and the 1,2-dibromo-3-chloropropane results from R1MW-02 have been qualified as estimations.

Duplicates

Two aliquots of the same sample are processed separately through all aspects of sample preparation and analysis. The results produced by the analysis of this pair of samples are compared as a

measurement of precision. Poor precision may be indicative of sample non-homogeneity, method defects, or poor laboratory technique.

Field split duplicate samples of SB-MW-15 were included in this delivery group. Tetrachloroethene, trans-1,2-dichloroethene, trichloroethene and cis-1,2-dichloroethene were found in both of these samples. The concentrations reported for these analytes differed by between 50% and 176% RPD (Relative Percent Difference). The positive results from this pair of samples have been qualified as estimations base on this indication of poor measurement precision.

Reported Analytes

Formal reports were provided for each sample. The data package also included total ion chromatograms and raw instrument print outs. Reference mass spectra were provided to confirm the identification of each analyte that was found in this group of samples. Tentatively Identified Compounds (TIC) were reported.

SUMMARY OF QUALIFIED DATA

FORMER WOLLENSACK OPTICAL (872 HUDSON AVE) SAMPLED: May 2020

		BLANK ACETONE	BLANK MEK	CALIBRATE TCE	CALIBRATE 14DIOXANE	CALIBRATE BRMANE	SPIKES BRMANE	SPIKES CLEANE	SPIKES LCS*
BW-01	(L2020006-01)			4500J	10000UJ	100UJ	100UJ	100UJ	ALL UJ
SB-MW-14	(L2020006-02)			74000J	120000UJ	1200UJ			ALL UJ
SB-MW-15	(L2020006-03)			9700J	25000UJ	250UJ			ALL UJ
R1MW-16	(L2020006-04)			5800J	10000UJ	100UJ			ALL UJ
SB-MW-07	(L2020006-05)			14000J	25000UJ	250UJ			ALL UJ
R1MW-04	(L2020006-06)	44J	9.0J	290J	500UJ	5.0UJ			ALL UJ
SB-MW-16	(L2020006-07)	240J	99J	260J	620UJ	6.2UJ			ALL UJ
R1MW-02	(L2020006-08)	9.4J	4.3J	53J	500UJ	5.0UJ			
BW-03	(L2020006-09)			120J	5000UJ	50UJ			ALL UJ
QA/QC	(L2020006-10)	24J	4.3J	2800J	250UJ	2.5UJ			ALL UJ

LCS* = bromomethane, chloroethane, 1,2,3-trichlorobenzene

SUMMARY OF QUALIFIED DATA

FORMER WOLLENSACK OPTICAL (872 HUDSON AVE) SAMPLED: May 2020

		SPIKES 12BR2-3-CLPANE	DUPLICATES
BW-01	(L2020006-01)		
SB-MW-14	(L2020006-02)		
SB-MW-15	(L2020006-03)		ALL POS J
R1MW-16	(L2020006-04)		
SB-MW-07	(L2020006-05)		
R1MW-04	(L2020006-06)		
SB-MW-16	(L2020006-07)		
R1MW-02	(L2020006-08)	5.0UJ	
BW-03	(L2020006-09)		
QA/QC	(L2020006-10)		ALL POS J

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	Lab Number	: L2020006
Project Name	: JEFFERSON WOLLENSACK	Project Number	: 2182207
Lab ID	: L2020006-01D	Date Collected	: 05/12/20 09:00
Client ID	: BW-01	Date Received	: 05/14/20
Sample Location	: ROCHESTER, NY	Date Analyzed	: 05/19/20 00:40
Sample Matrix	: WATER	Dilution Factor	: 40
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: V05200518N18	Instrument ID	: VOA105
Sample Amount	: 0.25 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	100	28.	U
75-34-3	1,1-Dichloroethane	ND	100	28.	U
67-66-3	Chloroform	ND	100	28.	U
56-23-5	Carbon tetrachloride	ND	20	5.4	U
78-87-5	1,2-Dichloropropane	ND	40	5.5	U
124-48-1	Dibromochloromethane	ND	20	6.0	U
79-00-5	1,1,2-Trichloroethane	ND	60	20.	U
127-18-4	Tetrachloroethene	13	20	7.2	J
108-90-7	Chlorobenzene	ND	100	28.	U
75-69-4	Trichlorofluoromethane	ND	100	28.	U
107-06-2	1,2-Dichloroethane	ND	20	5.3	U
71-55-6	1,1,1-Trichloroethane	ND	100	28.	U
75-27-4	Bromodichloromethane	ND	20	7.7	U
10061-02-6	trans-1,3-Dichloropropene	ND	20	6.6	U
10061-01-5	cis-1,3-Dichloropropene	ND	20	5.8	U
75-25-2	Bromoform	ND	80	26.	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	20	6.7	U
71-43-2	Benzene	ND	20	6.4	U
108-88-3	Toluene	ND	100	28.	U
100-41-4	Ethylbenzene	ND	100	28.	U
74-87-3	Chloromethane	ND	100	28.	U
74-83-9	Bromomethane	~~ND~~ UJ	100	28.	U
75-01-4	Vinyl chloride	ND	40	2.8	U
75-00-3	Chloroethane	~~ND~~ UJ	100	28.	U
75-35-4	1,1-Dichloroethene	ND	20	6.8	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	Lab Number	: L2020006
Project Name	: JEFFERSON WOLLENSACK	Project Number	: 2182207
Lab ID	: L2020006-01D	Date Collected	: 05/12/20 09:00
Client ID	: BW-01	Date Received	: 05/14/20
Sample Location	: ROCHESTER, NY	Date Analyzed	: 05/19/20 00:40
Sample Matrix	: WATER	Dilution Factor	: 40
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: V05200518N18	Instrument ID	: VOA105
Sample Amount	: 0.25 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	100	28.	U
79-01-6	Trichloroethene	4500 J	20	7.0	
95-50-1	1,2-Dichlorobenzene	ND	100	28.	U
541-73-1	1,3-Dichlorobenzene	ND	100	28.	U
106-46-7	1,4-Dichlorobenzene	ND	100	28.	U
1634-04-4	Methyl tert butyl ether	ND	100	28.	U
179601-23-1	p/m-Xylene	ND	100	28.	U
95-47-6	o-Xylene	ND	100	28.	U
156-59-2	cis-1,2-Dichloroethene	180	100	28.	
100-42-5	Styrene	ND	100	28.	U
75-71-8	Dichlorodifluoromethane	ND	200	40.	U
67-64-1	Acetone	ND	200	58.	U
75-15-0	Carbon disulfide	ND	200	40.	U
78-93-3	2-Butanone	ND	200	78.	U
108-10-1	4-Methyl-2-pentanone	ND	200	40.	U
591-78-6	2-Hexanone	ND	200	40.	U
74-97-5	Bromochloromethane	ND	100	28.	U
106-93-4	1,2-Dibromoethane	ND	80	26.	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	100	28.	U
98-82-8	Isopropylbenzene	ND	100	28.	U
87-61-6	1,2,3-Trichlorobenzene	ND UJ	100	28.	U
120-82-1	1,2,4-Trichlorobenzene	ND	100	28.	U
79-20-9	Methyl Acetate	ND	80	9.4	U
110-82-7	Cyclohexane	ND	400	11.	U
123-91-1	1,4-Dioxane	ND UJ	10000	2400	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	Lab Number	: L2020006
Project Name	: JEFFERSON WOLLENSACK	Project Number	: 2182207
Lab ID	: L2020006-01D	Date Collected	: 05/12/20 09:00
Client ID	: BW-01	Date Received	: 05/14/20
Sample Location	: ROCHESTER, NY	Date Analyzed	: 05/19/20 00:40
Sample Matrix	: WATER	Dilution Factor	: 40
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: V05200518N18	Instrument ID	: VOA105
Sample Amount	: 0.25 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
76-13-1	Freon-113	ND	100	28.	U
108-87-2	Methyl cyclohexane	ND	400	16.	U

Tentatively Identified Compounds
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	Lab Number	: L2020006
Project Name	: JEFFERSON WOLLENSACK	Project Number	: 2182207
Lab ID	: L2020006-01D	Date Collected	: 05/12/20 09:00
Client ID	: BW-01	Date Received	: 05/14/20
Sample Location	: ROCHESTER, NY	Date Analyzed	: 05/19/20 00:40
Sample Matrix	: WATER	Dilution Factor	: 40
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: V05200518N18	Instrument ID	: VOA105
Sample Amount	: 0.25 ml	GC Column	: RTX-502.2
Level	:	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

Number TICS found: 3

Concentration Units: ug/L

CAS Number	Compound Name	RT	EST. CONC.	Qualifier
	Unknown Aromatic	15.33	128	J
	Unknown Aromatic	15.48	108	J
	Total TIC Compounds		236J	J

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	Lab Number	: L2020006
Project Name	: JEFFERSON WOLLENSACK	Project Number	: 2182207
Lab ID	: L2020006-02D	Date Collected	: 05/12/20 09:20
Client ID	: SB-MW-14	Date Received	: 05/14/20
Sample Location	: ROCHESTER, NY	Date Analyzed	: 05/19/20 01:04
Sample Matrix	: WATER	Dilution Factor	: 500
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: V05200518N19	Instrument ID	: VOA105
Sample Amount	: 0.02 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	1200	350	U
75-34-3	1,1-Dichloroethane	ND	1200	350	U
67-66-3	Chloroform	ND	1200	350	U
56-23-5	Carbon tetrachloride	ND	250	67.	U
78-87-5	1,2-Dichloropropane	ND	500	68.	U
124-48-1	Dibromochloromethane	ND	250	74.	U
79-00-5	1,1,2-Trichloroethane	ND	750	250	U
127-18-4	Tetrachloroethene	2000	250	90.	
108-90-7	Chlorobenzene	ND	1200	350	U
75-69-4	Trichlorofluoromethane	ND	1200	350	U
107-06-2	1,2-Dichloroethane	ND	250	66.	U
71-55-6	1,1,1-Trichloroethane	ND	1200	350	U
75-27-4	Bromodichloromethane	ND	250	96.	U
10061-02-6	trans-1,3-Dichloropropene	ND	250	82.	U
10061-01-5	cis-1,3-Dichloropropene	ND	250	72.	U
75-25-2	Bromoform	ND	1000	320	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	250	84.	U
71-43-2	Benzene	ND	250	80.	U
108-88-3	Toluene	ND	1200	350	U
100-41-4	Ethylbenzene	ND	1200	350	U
74-87-3	Chloromethane	ND	1200	350	U
74-83-9	Bromomethane	~~ND~~ UJ	1200	350	U
75-01-4	Vinyl chloride	ND	500	36.	U
75-00-3	Chloroethane	~~ND~~ UJ	1200	350	U
75-35-4	1,1-Dichloroethene	ND	250	84.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	Lab Number	: L2020006
Project Name	: JEFFERSON WOLLENSACK	Project Number	: 2182207
Lab ID	: L2020006-02D	Date Collected	: 05/12/20 09:20
Client ID	: SB-MW-14	Date Received	: 05/14/20
Sample Location	: ROCHESTER, NY	Date Analyzed	: 05/19/20 01:04
Sample Matrix	: WATER	Dilution Factor	: 500
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: V05200518N19	Instrument ID	: VOA105
Sample Amount	: 0.02 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	1200	350	U
79-01-6	Trichloroethene	74000 J	250	88.	
95-50-1	1,2-Dichlorobenzene	ND	1200	350	U
541-73-1	1,3-Dichlorobenzene	ND	1200	350	U
106-46-7	1,4-Dichlorobenzene	ND	1200	350	U
1634-04-4	Methyl tert butyl ether	ND	1200	350	U
179601-23-1	p/m-Xylene	ND	1200	350	U
95-47-6	o-Xylene	ND	1200	350	U
156-59-2	cis-1,2-Dichloroethene	ND	1200	350	U
100-42-5	Styrene	ND	1200	350	U
75-71-8	Dichlorodifluoromethane	ND	2500	500	U
67-64-1	Acetone	ND	2500	730	U
75-15-0	Carbon disulfide	ND	2500	500	U
78-93-3	2-Butanone	ND	2500	970	U
108-10-1	4-Methyl-2-pentanone	ND	2500	500	U
591-78-6	2-Hexanone	ND	2500	500	U
74-97-5	Bromochloromethane	ND	1200	350	U
106-93-4	1,2-Dibromoethane	ND	1000	320	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	1200	350	U
98-82-8	Isopropylbenzene	ND	1200	350	U
87-61-6	1,2,3-Trichlorobenzene	ND UJ	1200	350	U
120-82-1	1,2,4-Trichlorobenzene	ND	1200	350	U
79-20-9	Methyl Acetate	ND	1000	120	U
110-82-7	Cyclohexane	ND	5000	140	U
123-91-1	1,4-Dioxane	ND UJ	120000	30000	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	Lab Number	: L2020006
Project Name	: JEFFERSON WOLLENSACK	Project Number	: 2182207
Lab ID	: L2020006-02D	Date Collected	: 05/12/20 09:20
Client ID	: SB-MW-14	Date Received	: 05/14/20
Sample Location	: ROCHESTER, NY	Date Analyzed	: 05/19/20 01:04
Sample Matrix	: WATER	Dilution Factor	: 500
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: V05200518N19	Instrument ID	: VOA105
Sample Amount	: 0.02 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
76-13-1	Freon-113	ND	1200	350	U
108-87-2	Methyl cyclohexane	ND	5000	200	U

Tentatively Identified Compounds
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	Lab Number	: L2020006
Project Name	: JEFFERSON WOLLENSACK	Project Number	: 2182207
Lab ID	: L2020006-02D	Date Collected	: 05/12/20 09:20
Client ID	: SB-MW-14	Date Received	: 05/14/20
Sample Location	: ROCHESTER, NY	Date Analyzed	: 05/19/20 01:04
Sample Matrix	: WATER	Dilution Factor	: 500
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: V05200518N19	Instrument ID	: VOA105
Sample Amount	: 0.02 ml	GC Column	: RTX-502.2
Level	:	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

Number TICS found: 0

Concentration Units: ug/L

CAS Number	Compound Name	RT	EST. CONC.	Qualifier
	NO TENTATIVELY IDENTIFIED COMPOUNDS			

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	Lab Number	: L2020006
Project Name	: JEFFERSON WOLLENSACK	Project Number	: 2182207
Lab ID	: L2020006-03D	Date Collected	: 05/12/20 10:10
Client ID	: SB-MW-15	Date Received	: 05/14/20
Sample Location	: ROCHESTER, NY	Date Analyzed	: 05/19/20 01:27
Sample Matrix	: WATER	Dilution Factor	: 100
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: V05200518N20	Instrument ID	: VOA105
Sample Amount	: 0.1 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	250	70.	U
75-34-3	1,1-Dichloroethane	ND	250	70.	U
67-66-3	Chloroform	ND	250	70.	U
56-23-5	Carbon tetrachloride	ND	50	13.	U
78-87-5	1,2-Dichloropropane	ND	100	14.	U
124-48-1	Dibromochloromethane	ND	50	15.	U
79-00-5	1,1,2-Trichloroethane	ND	150	50.	U
127-18-4	Tetrachloroethene	20 J	50	18.	J
108-90-7	Chlorobenzene	ND	250	70.	U
75-69-4	Trichlorofluoromethane	ND	250	70.	U
107-06-2	1,2-Dichloroethane	ND	50	13.	U
71-55-6	1,1,1-Trichloroethane	ND	250	70.	U
75-27-4	Bromodichloromethane	ND	50	19.	U
10061-02-6	trans-1,3-Dichloropropene	ND	50	16.	U
10061-01-5	cis-1,3-Dichloropropene	ND	50	14.	U
75-25-2	Bromoform	ND	200	65.	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	50	17.	U
71-43-2	Benzene	ND	50	16.	U
108-88-3	Toluene	ND	250	70.	U
100-41-4	Ethylbenzene	ND	250	70.	U
74-87-3	Chloromethane	ND	250	70.	U
74-83-9	Bromomethane	~~ND~~ UJ	250	70.	U
75-01-4	Vinyl chloride	ND	100	7.1	U
75-00-3	Chloroethane	~~ND~~ UJ	250	70.	U
75-35-4	1,1-Dichloroethene	ND	50	17.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	Lab Number	: L2020006
Project Name	: JEFFERSON WOLLENSACK	Project Number	: 2182207
Lab ID	: L2020006-03D	Date Collected	: 05/12/20 10:10
Client ID	: SB-MW-15	Date Received	: 05/14/20
Sample Location	: ROCHESTER, NY	Date Analyzed	: 05/19/20 01:27
Sample Matrix	: WATER	Dilution Factor	: 100
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: V05200518N20	Instrument ID	: VOA105
Sample Amount	: 0.1 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	160 J	250	70.	J
79-01-6	Trichloroethene	9700 J	50	18.	
95-50-1	1,2-Dichlorobenzene	ND	250	70.	U
541-73-1	1,3-Dichlorobenzene	ND	250	70.	U
106-46-7	1,4-Dichlorobenzene	ND	250	70.	U
1634-04-4	Methyl tert butyl ether	ND	250	70.	U
179601-23-1	p/m-Xylene	ND	250	70.	U
95-47-6	o-Xylene	ND	250	70.	U
156-59-2	cis-1,2-Dichloroethene	260 J	250	70.	
100-42-5	Styrene	ND	250	70.	U
75-71-8	Dichlorodifluoromethane	ND	500	100	U
67-64-1	Acetone	ND	500	150	U
75-15-0	Carbon disulfide	ND	500	100	U
78-93-3	2-Butanone	ND	500	190	U
108-10-1	4-Methyl-2-pentanone	ND	500	100	U
591-78-6	2-Hexanone	ND	500	100	U
74-97-5	Bromochloromethane	ND	250	70.	U
106-93-4	1,2-Dibromoethane	ND	200	65.	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	250	70.	U
98-82-8	Isopropylbenzene	ND	250	70.	U
87-61-6	1,2,3-Trichlorobenzene	ND UJ	250	70.	U
120-82-1	1,2,4-Trichlorobenzene	ND	250	70.	U
79-20-9	Methyl Acetate	ND	200	23.	U
110-82-7	Cyclohexane	ND	1000	27.	U
123-91-1	1,4-Dioxane	ND UJ	25000	6100	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	Lab Number	: L2020006
Project Name	: JEFFERSON WOLLENSACK	Project Number	: 2182207
Lab ID	: L2020006-03D	Date Collected	: 05/12/20 10:10
Client ID	: SB-MW-15	Date Received	: 05/14/20
Sample Location	: ROCHESTER, NY	Date Analyzed	: 05/19/20 01:27
Sample Matrix	: WATER	Dilution Factor	: 100
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: V05200518N20	Instrument ID	: VOA105
Sample Amount	: 0.1 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
76-13-1	Freon-113	ND	250	70.	U
108-87-2	Methyl cyclohexane	ND	1000	40.	U

Tentatively Identified Compounds
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	Lab Number	: L2020006
Project Name	: JEFFERSON WOLLENSACK	Project Number	: 2182207
Lab ID	: L2020006-03D	Date Collected	: 05/12/20 10:10
Client ID	: SB-MW-15	Date Received	: 05/14/20
Sample Location	: ROCHESTER, NY	Date Analyzed	: 05/19/20 01:27
Sample Matrix	: WATER	Dilution Factor	: 100
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: V05200518N20	Instrument ID	: VOA105
Sample Amount	: 0.1 ml	GC Column	: RTX-502.2
Level	:	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

Number TICS found: 0

Concentration Units: ug/L

CAS Number	Compound Name	RT	EST. CONC.	Qualifier
	NO TENTATIVELY IDENTIFIED COMPOUNDS			

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	Lab Number	: L2020006
Project Name	: JEFFERSON WOLLENSACK	Project Number	: 2182207
Lab ID	: L2020006-04D	Date Collected	: 05/13/20 08:50
Client ID	: R1MW-16	Date Received	: 05/14/20
Sample Location	: ROCHESTER, NY	Date Analyzed	: 05/19/20 01:50
Sample Matrix	: WATER	Dilution Factor	: 40
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: V05200518N21	Instrument ID	: VOA105
Sample Amount	: 0.25 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	100	28.	U
75-34-3	1,1-Dichloroethane	ND	100	28.	U
67-66-3	Chloroform	ND	100	28.	U
56-23-5	Carbon tetrachloride	ND	20	5.4	U
78-87-5	1,2-Dichloropropane	ND	40	5.5	U
124-48-1	Dibromochloromethane	ND	20	6.0	U
79-00-5	1,1,2-Trichloroethane	ND	60	20.	U
127-18-4	Tetrachloroethene	50	20	7.2	
108-90-7	Chlorobenzene	ND	100	28.	U
75-69-4	Trichlorofluoromethane	ND	100	28.	U
107-06-2	1,2-Dichloroethane	ND	20	5.3	U
71-55-6	1,1,1-Trichloroethane	ND	100	28.	U
75-27-4	Bromodichloromethane	ND	20	7.7	U
10061-02-6	trans-1,3-Dichloropropene	ND	20	6.6	U
10061-01-5	cis-1,3-Dichloropropene	ND	20	5.8	U
75-25-2	Bromoform	ND	80	26.	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	20	6.7	U
71-43-2	Benzene	ND	20	6.4	U
108-88-3	Toluene	ND	100	28.	U
100-41-4	Ethylbenzene	ND	100	28.	U
74-87-3	Chloromethane	ND	100	28.	U
74-83-9	Bromomethane	~~ND~~ UJ	100	28.	U
75-01-4	Vinyl chloride	ND	40	2.8	U
75-00-3	Chloroethane	~~ND~~ UJ	100	28.	U
75-35-4	1,1-Dichloroethene	ND	20	6.8	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	Lab Number	: L2020006
Project Name	: JEFFERSON WOLLENSACK	Project Number	: 2182207
Lab ID	: L2020006-04D	Date Collected	: 05/13/20 08:50
Client ID	: R1MW-16	Date Received	: 05/14/20
Sample Location	: ROCHESTER, NY	Date Analyzed	: 05/19/20 01:50
Sample Matrix	: WATER	Dilution Factor	: 40
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: V05200518N21	Instrument ID	: VOA105
Sample Amount	: 0.25 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	100	28.	U
79-01-6	Trichloroethene	5800 J	20	7.0	
95-50-1	1,2-Dichlorobenzene	ND	100	28.	U
541-73-1	1,3-Dichlorobenzene	ND	100	28.	U
106-46-7	1,4-Dichlorobenzene	ND	100	28.	U
1634-04-4	Methyl tert butyl ether	ND	100	28.	U
179601-23-1	p/m-Xylene	ND	100	28.	U
95-47-6	o-Xylene	ND	100	28.	U
156-59-2	cis-1,2-Dichloroethene	ND	100	28.	U
100-42-5	Styrene	ND	100	28.	U
75-71-8	Dichlorodifluoromethane	ND	200	40.	U
67-64-1	Acetone	ND	200	58.	U
75-15-0	Carbon disulfide	ND	200	40.	U
78-93-3	2-Butanone	ND	200	78.	U
108-10-1	4-Methyl-2-pentanone	ND	200	40.	U
591-78-6	2-Hexanone	ND	200	40.	U
74-97-5	Bromochloromethane	ND	100	28.	U
106-93-4	1,2-Dibromoethane	ND	80	26.	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	100	28.	U
98-82-8	Isopropylbenzene	ND	100	28.	U
87-61-6	1,2,3-Trichlorobenzene	~~ND~~ UJ	100	28.	U
120-82-1	1,2,4-Trichlorobenzene	ND	100	28.	U
79-20-9	Methyl Acetate	ND	80	9.4	U
110-82-7	Cyclohexane	ND	400	11.	U
123-91-1	1,4-Dioxane	~~ND~~ UJ	10000	2400	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	Lab Number	: L2020006
Project Name	: JEFFERSON WOLLENSACK	Project Number	: 2182207
Lab ID	: L2020006-04D	Date Collected	: 05/13/20 08:50
Client ID	: R1MW-16	Date Received	: 05/14/20
Sample Location	: ROCHESTER, NY	Date Analyzed	: 05/19/20 01:50
Sample Matrix	: WATER	Dilution Factor	: 40
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: V05200518N21	Instrument ID	: VOA105
Sample Amount	: 0.25 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
76-13-1	Freon-113	ND	100	28.	U
108-87-2	Methyl cyclohexane	ND	400	16.	U

Tentatively Identified Compounds
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	Lab Number	: L2020006
Project Name	: JEFFERSON WOLLENSACK	Project Number	: 2182207
Lab ID	: L2020006-04D	Date Collected	: 05/13/20 08:50
Client ID	: R1MW-16	Date Received	: 05/14/20
Sample Location	: ROCHESTER, NY	Date Analyzed	: 05/19/20 01:50
Sample Matrix	: WATER	Dilution Factor	: 40
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: V05200518N21	Instrument ID	: VOA105
Sample Amount	: 0.25 ml	GC Column	: RTX-502.2
Level	:	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

Number TICS found: 0

Concentration Units: ug/L

CAS Number	Compound Name	RT	EST. CONC.	Qualifier
	NO TENTATIVELY IDENTIFIED COMPOUNDS			

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	Lab Number	: L2020006
Project Name	: JEFFERSON WOLLENSACK	Project Number	: 2182207
Lab ID	: L2020006-05D	Date Collected	: 05/12/20 10:40
Client ID	: SB-MW-07	Date Received	: 05/14/20
Sample Location	: ROCHESTER, NY	Date Analyzed	: 05/19/20 02:14
Sample Matrix	: WATER	Dilution Factor	: 100
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: V05200518N22	Instrument ID	: VOA105
Sample Amount	: 0.1 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	250	70.	U
75-34-3	1,1-Dichloroethane	ND	250	70.	U
67-66-3	Chloroform	ND	250	70.	U
56-23-5	Carbon tetrachloride	ND	50	13.	U
78-87-5	1,2-Dichloropropane	ND	100	14.	U
124-48-1	Dibromochloromethane	ND	50	15.	U
79-00-5	1,1,2-Trichloroethane	ND	150	50.	U
127-18-4	Tetrachloroethene	81	50	18.	
108-90-7	Chlorobenzene	ND	250	70.	U
75-69-4	Trichlorofluoromethane	ND	250	70.	U
107-06-2	1,2-Dichloroethane	ND	50	13.	U
71-55-6	1,1,1-Trichloroethane	ND	250	70.	U
75-27-4	Bromodichloromethane	ND	50	19.	U
10061-02-6	trans-1,3-Dichloropropene	ND	50	16.	U
10061-01-5	cis-1,3-Dichloropropene	ND	50	14.	U
75-25-2	Bromoform	ND	200	65.	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	50	17.	U
71-43-2	Benzene	ND	50	16.	U
108-88-3	Toluene	ND	250	70.	U
100-41-4	Ethylbenzene	ND	250	70.	U
74-87-3	Chloromethane	ND	250	70.	U
74-83-9	Bromomethane	ND UJ	250	70.	U
75-01-4	Vinyl chloride	ND	100	7.1	U
75-00-3	Chloroethane	ND UJ	250	70.	U
75-35-4	1,1-Dichloroethene	ND	50	17.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	Lab Number	: L2020006
Project Name	: JEFFERSON WOLLENSACK	Project Number	: 2182207
Lab ID	: L2020006-05D	Date Collected	: 05/12/20 10:40
Client ID	: SB-MW-07	Date Received	: 05/14/20
Sample Location	: ROCHESTER, NY	Date Analyzed	: 05/19/20 02:14
Sample Matrix	: WATER	Dilution Factor	: 100
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: V05200518N22	Instrument ID	: VOA105
Sample Amount	: 0.1 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	250	70.	U
79-01-6	Trichloroethene	14000 J	50	18.	
95-50-1	1,2-Dichlorobenzene	ND	250	70.	U
541-73-1	1,3-Dichlorobenzene	ND	250	70.	U
106-46-7	1,4-Dichlorobenzene	ND	250	70.	U
1634-04-4	Methyl tert butyl ether	ND	250	70.	U
179601-23-1	p/m-Xylene	ND	250	70.	U
95-47-6	o-Xylene	ND	250	70.	U
156-59-2	cis-1,2-Dichloroethene	ND	250	70.	U
100-42-5	Styrene	ND	250	70.	U
75-71-8	Dichlorodifluoromethane	ND	500	100	U
67-64-1	Acetone	ND	500	150	U
75-15-0	Carbon disulfide	ND	500	100	U
78-93-3	2-Butanone	ND	500	190	U
108-10-1	4-Methyl-2-pentanone	ND	500	100	U
591-78-6	2-Hexanone	ND	500	100	U
74-97-5	Bromochloromethane	ND	250	70.	U
106-93-4	1,2-Dibromoethane	ND	200	65.	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	250	70.	U
98-82-8	Isopropylbenzene	ND	250	70.	U
87-61-6	1,2,3-Trichlorobenzene	ND UJ	250	70.	U
120-82-1	1,2,4-Trichlorobenzene	ND	250	70.	U
79-20-9	Methyl Acetate	ND	200	23.	U
110-82-7	Cyclohexane	ND	1000	27.	U
123-91-1	1,4-Dioxane	ND UJ	25000	6100	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	Lab Number	: L2020006
Project Name	: JEFFERSON WOLLENSACK	Project Number	: 2182207
Lab ID	: L2020006-05D	Date Collected	: 05/12/20 10:40
Client ID	: SB-MW-07	Date Received	: 05/14/20
Sample Location	: ROCHESTER, NY	Date Analyzed	: 05/19/20 02:14
Sample Matrix	: WATER	Dilution Factor	: 100
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: V05200518N22	Instrument ID	: VOA105
Sample Amount	: 0.1 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
76-13-1	Freon-113	ND	250	70.	U
108-87-2	Methyl cyclohexane	ND	1000	40.	U

Tentatively Identified Compounds
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	Lab Number	: L2020006
Project Name	: JEFFERSON WOLLENSACK	Project Number	: 2182207
Lab ID	: L2020006-05D	Date Collected	: 05/12/20 10:40
Client ID	: SB-MW-07	Date Received	: 05/14/20
Sample Location	: ROCHESTER, NY	Date Analyzed	: 05/19/20 02:14
Sample Matrix	: WATER	Dilution Factor	: 100
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: V05200518N22	Instrument ID	: VOA105
Sample Amount	: 0.1 ml	GC Column	: RTX-502.2
Level	:	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

Number TICS found: 0

Concentration Units: ug/L

CAS Number	Compound Name	RT	EST. CONC.	Qualifier
	NO TENTATIVELY IDENTIFIED COMPOUNDS			

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	Lab Number	: L2020006
Project Name	: JEFFERSON WOLLENSACK	Project Number	: 2182207
Lab ID	: L2020006-06D	Date Collected	: 05/13/20 09:40
Client ID	: R1MW-04	Date Received	: 05/14/20
Sample Location	: ROCHESTER, NY	Date Analyzed	: 05/19/20 02:37
Sample Matrix	: WATER	Dilution Factor	: 2
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: V05200518N23	Instrument ID	: VOA105
Sample Amount	: 5 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	5.0	1.4	U
75-34-3	1,1-Dichloroethane	ND	5.0	1.4	U
67-66-3	Chloroform	2.0	5.0	1.4	J
56-23-5	Carbon tetrachloride	ND	1.0	0.27	U
78-87-5	1,2-Dichloropropane	ND	2.0	0.27	U
124-48-1	Dibromochloromethane	ND	1.0	0.30	U
79-00-5	1,1,2-Trichloroethane	ND	3.0	1.0	U
127-18-4	Tetrachloroethene	180	1.0	0.36	
108-90-7	Chlorobenzene	ND	5.0	1.4	U
75-69-4	Trichlorofluoromethane	ND	5.0	1.4	U
107-06-2	1,2-Dichloroethane	ND	1.0	0.26	U
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.4	U
75-27-4	Bromodichloromethane	ND	1.0	0.38	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.33	U
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.29	U
75-25-2	Bromoform	ND	4.0	1.3	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.33	U
71-43-2	Benzene	ND	1.0	0.32	U
108-88-3	Toluene	ND	5.0	1.4	U
100-41-4	Ethylbenzene	ND	5.0	1.4	U
74-87-3	Chloromethane	ND	5.0	1.4	U
74-83-9	Bromomethane	ND UJ	5.0	1.4	U
75-01-4	Vinyl chloride	12	2.0	0.14	
75-00-3	Chloroethane	ND UJ	5.0	1.4	U
75-35-4	1,1-Dichloroethene	ND	1.0	0.34	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	Lab Number	: L2020006
Project Name	: JEFFERSON WOLLENSACK	Project Number	: 2182207
Lab ID	: L2020006-06D	Date Collected	: 05/13/20 09:40
Client ID	: R1MW-04	Date Received	: 05/14/20
Sample Location	: ROCHESTER, NY	Date Analyzed	: 05/19/20 02:37
Sample Matrix	: WATER	Dilution Factor	: 2
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: V05200518N23	Instrument ID	: VOA105
Sample Amount	: 5 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene -	7.0	5.0	1.4	
79-01-6	Trichloroethene -	290 J	1.0	0.35	
95-50-1	1,2-Dichlorobenzene	ND	5.0	1.4	U
541-73-1	1,3-Dichlorobenzene	ND	5.0	1.4	U
106-46-7	1,4-Dichlorobenzene	ND	5.0	1.4	U
1634-04-4	Methyl tert butyl ether	ND	5.0	1.4	U
179601-23-1	p/m-Xylene	ND	5.0	1.4	U
95-47-6	o-Xylene	ND	5.0	1.4	U
156-59-2	cis-1,2-Dichloroethene -	41	5.0	1.4	
100-42-5	Styrene	ND	5.0	1.4	U
75-71-8	Dichlorodifluoromethane	ND	10	2.0	U
67-64-1	Acetone	44 J	10	2.9	
75-15-0	Carbon disulfide	ND	10	2.0	U
78-93-3	2-Butanone -	9.0 J	10	3.9	J
108-10-1	4-Methyl-2-pentanone	ND	10	2.0	U
591-78-6	2-Hexanone	ND	10	2.0	U
74-97-5	Bromochloromethane	ND	5.0	1.4	U
106-93-4	1,2-Dibromoethane	ND	4.0	1.3	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	1.4	U
98-82-8	Isopropylbenzene	ND	5.0	1.4	U
87-61-6	1,2,3-Trichlorobenzene	ND UJ	5.0	1.4	U
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	1.4	U
79-20-9	Methyl Acetate	ND	4.0	0.47	U
110-82-7	Cyclohexane	ND	20	0.54	U
123-91-1	1,4-Dioxane	ND UJ	500	120	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	Lab Number	: L2020006
Project Name	: JEFFERSON WOLLENSACK	Project Number	: 2182207
Lab ID	: L2020006-06D	Date Collected	: 05/13/20 09:40
Client ID	: R1MW-04	Date Received	: 05/14/20
Sample Location	: ROCHESTER, NY	Date Analyzed	: 05/19/20 02:37
Sample Matrix	: WATER	Dilution Factor	: 2
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: V05200518N23	Instrument ID	: VOA105
Sample Amount	: 5 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
76-13-1	Freon-113	ND	5.0	1.4	U
108-87-2	Methyl cyclohexane	ND	20	0.79	U

Tentatively Identified Compounds
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	Lab Number	: L2020006
Project Name	: JEFFERSON WOLLENSACK	Project Number	: 2182207
Lab ID	: L2020006-06D	Date Collected	: 05/13/20 09:40
Client ID	: R1MW-04	Date Received	: 05/14/20
Sample Location	: ROCHESTER, NY	Date Analyzed	: 05/19/20 02:37
Sample Matrix	: WATER	Dilution Factor	: 2
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: V05200518N23	Instrument ID	: VOA105
Sample Amount	: 5 ml	GC Column	: RTX-502.2
Level	:	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

Number TICS found: 5

Concentration Units: ug/L

CAS Number	Compound Name	RT	EST. CONC.	Qualifier
	Unknown Benzene	13.70	7.5	J
	Unknown Aromatic	14.69	6.3	J
	Unknown Aromatic	14.82	4.92	J
	Unknown Aromatic	15.33	7.02	J
	Total TIC Compounds		25.7J	J

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	Lab Number	: L2020006
Project Name	: JEFFERSON WOLLENSACK	Project Number	: 2182207
Lab ID	: L2020006-07D	Date Collected	: 05/13/20 11:00
Client ID	: SB-MW-16	Date Received	: 05/14/20
Sample Location	: ROCHESTER, NY	Date Analyzed	: 05/19/20 03:00
Sample Matrix	: WATER	Dilution Factor	: 2.5
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: V05200518N24	Instrument ID	: VOA105
Sample Amount	: 4 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	6.2	1.8	U
75-34-3	1,1-Dichloroethane	ND	6.2	1.8	U
67-66-3	Chloroform	3.6	6.2	1.8	J
56-23-5	Carbon tetrachloride	ND	1.2	0.34	U
78-87-5	1,2-Dichloropropane	ND	2.5	0.34	U
124-48-1	Dibromochloromethane	ND	1.2	0.37	U
79-00-5	1,1,2-Trichloroethane	ND	3.8	1.2	U
127-18-4	Tetrachloroethene	19	1.2	0.45	
108-90-7	Chlorobenzene	ND	6.2	1.8	U
75-69-4	Trichlorofluoromethane	ND	6.2	1.8	U
107-06-2	1,2-Dichloroethane	ND	1.2	0.33	U
71-55-6	1,1,1-Trichloroethane	ND	6.2	1.8	U
75-27-4	Bromodichloromethane	ND	1.2	0.48	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.2	0.41	U
10061-01-5	cis-1,3-Dichloropropene	ND	1.2	0.36	U
75-25-2	Bromoform	ND	5.0	1.6	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.2	0.42	U
71-43-2	Benzene	ND	1.2	0.40	U
108-88-3	Toluene	ND	6.2	1.8	U
100-41-4	Ethylbenzene	ND	6.2	1.8	U
74-87-3	Chloromethane	ND	6.2	1.8	U
74-83-9	Bromomethane	ND UJ	6.2	1.8	U
75-01-4	Vinyl chloride	ND	2.5	0.18	U
75-00-3	Chloroethane	ND UJ	6.2	1.8	U
75-35-4	1,1-Dichloroethene	ND	1.2	0.42	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	Lab Number	: L2020006
Project Name	: JEFFERSON WOLLENSACK	Project Number	: 2182207
Lab ID	: L2020006-07D	Date Collected	: 05/13/20 11:00
Client ID	: SB-MW-16	Date Received	: 05/14/20
Sample Location	: ROCHESTER, NY	Date Analyzed	: 05/19/20 03:00
Sample Matrix	: WATER	Dilution Factor	: 2.5
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: V05200518N24	Instrument ID	: VOA105
Sample Amount	: 4 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	6.2	1.8	U
79-01-6	Trichloroethene	260 J	1.2	0.44	
95-50-1	1,2-Dichlorobenzene	ND	6.2	1.8	U
541-73-1	1,3-Dichlorobenzene	ND	6.2	1.8	U
106-46-7	1,4-Dichlorobenzene	ND	6.2	1.8	U
1634-04-4	Methyl tert butyl ether	ND	6.2	1.8	U
179601-23-1	p/m-Xylene	ND	6.2	1.8	U
95-47-6	o-Xylene	ND	6.2	1.8	U
156-59-2	cis-1,2-Dichloroethene	8.5	6.2	1.8	
100-42-5	Styrene	ND	6.2	1.8	U
75-71-8	Dichlorodifluoromethane	ND	12	2.5	U
67-64-1	Acetone	240 J	12	3.6	
75-15-0	Carbon disulfide	ND	12	2.5	U
78-93-3	2-Butanone	99 J	12	4.8	
108-10-1	4-Methyl-2-pentanone	ND	12	2.5	U
591-78-6	2-Hexanone	ND	12	2.5	U
74-97-5	Bromochloromethane	ND	6.2	1.8	U
106-93-4	1,2-Dibromoethane	ND	5.0	1.6	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	6.2	1.8	U
98-82-8	Isopropylbenzene	ND	6.2	1.8	U
87-61-6	1,2,3-Trichlorobenzene	~~ND~~ UJ	6.2	1.8	U
120-82-1	1,2,4-Trichlorobenzene	ND	6.2	1.8	U
79-20-9	Methyl Acetate	ND	5.0	0.58	U
110-82-7	Cyclohexane	ND	25	0.68	U
123-91-1	1,4-Dioxane	~~ND~~ UJ	620	150	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	Lab Number	: L2020006
Project Name	: JEFFERSON WOLLENSACK	Project Number	: 2182207
Lab ID	: L2020006-07D	Date Collected	: 05/13/20 11:00
Client ID	: SB-MW-16	Date Received	: 05/14/20
Sample Location	: ROCHESTER, NY	Date Analyzed	: 05/19/20 03:00
Sample Matrix	: WATER	Dilution Factor	: 2.5
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: V05200518N24	Instrument ID	: VOA105
Sample Amount	: 4 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
76-13-1	Freon-113	ND	6.2	1.8	U
108-87-2	Methyl cyclohexane	ND	25	0.99	U



Tentatively Identified Compounds
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	Lab Number	: L2020006
Project Name	: JEFFERSON WOLLENSACK	Project Number	: 2182207
Lab ID	: L2020006-07D	Date Collected	: 05/13/20 11:00
Client ID	: SB-MW-16	Date Received	: 05/14/20
Sample Location	: ROCHESTER, NY	Date Analyzed	: 05/19/20 03:00
Sample Matrix	: WATER	Dilution Factor	: 2.5
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: V05200518N24	Instrument ID	: VOA105
Sample Amount	: 4 ml	GC Column	: RTX-502.2
Level	:	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

Number TICS found: 0

Concentration Units: ug/L

CAS Number	Compound Name	RT	EST. CONC.	Qualifier
	NO TENTATIVELY IDENTIFIED COMPOUNDS			

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	Lab Number	: L2020006
Project Name	: JEFFERSON WOLLENSACK	Project Number	: 2182207
Lab ID	: L2020006-08D	Date Collected	: 05/13/20 10:10
Client ID	: R1MW-02	Date Received	: 05/14/20
Sample Location	: ROCHESTER, NY	Date Analyzed	: 05/19/20 10:42
Sample Matrix	: WATER	Dilution Factor	: 2
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: VE200519A06	Instrument ID	: ELAINE
Sample Amount	: 5 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	5.0	1.4	U
75-34-3	1,1-Dichloroethane	ND	5.0	1.4	U
67-66-3	Chloroform	1.7	5.0	1.4	J
56-23-5	Carbon tetrachloride	ND	1.0	0.27	U
78-87-5	1,2-Dichloropropane	ND	2.0	0.27	U
124-48-1	Dibromochloromethane	ND	1.0	0.30	U
79-00-5	1,1,2-Trichloroethane	ND	3.0	1.0	U
127-18-4	Tetrachloroethene	9.3	1.0	0.36	
108-90-7	Chlorobenzene	ND	5.0	1.4	U
75-69-4	Trichlorofluoromethane	ND	5.0	1.4	U
107-06-2	1,2-Dichloroethane	ND	1.0	0.26	U
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.4	U
75-27-4	Bromodichloromethane	ND	1.0	0.38	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.33	U
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.29	U
75-25-2	Bromoform	ND	4.0	1.3	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.33	U
71-43-2	Benzene	ND	1.0	0.32	U
108-88-3	Toluene	ND	5.0	1.4	U
100-41-4	Ethylbenzene	ND	5.0	1.4	U
74-87-3	Chloromethane	ND	5.0	1.4	U
74-83-9	Bromomethane	ND UJ	5.0	1.4	U
75-01-4	Vinyl chloride	0.18	2.0	0.14	J
75-00-3	Chloroethane	ND	5.0	1.4	U
75-35-4	1,1-Dichloroethene	ND	1.0	0.34	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	Lab Number	: L2020006
Project Name	: JEFFERSON WOLLENSACK	Project Number	: 2182207
Lab ID	: L2020006-08D	Date Collected	: 05/13/20 10:10
Client ID	: R1MW-02	Date Received	: 05/14/20
Sample Location	: ROCHESTER, NY	Date Analyzed	: 05/19/20 10:42
Sample Matrix	: WATER	Dilution Factor	: 2
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: VE200519A06	Instrument ID	: ELAINE
Sample Amount	: 5 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	5.0	1.4	U
79-01-6	Trichloroethene	53 J	1.0	0.35	
95-50-1	1,2-Dichlorobenzene	ND	5.0	1.4	U
541-73-1	1,3-Dichlorobenzene	ND	5.0	1.4	U
106-46-7	1,4-Dichlorobenzene	ND	5.0	1.4	U
1634-04-4	Methyl tert butyl ether	ND	5.0	1.4	U
179601-23-1	p/m-Xylene	ND	5.0	1.4	U
95-47-6	o-Xylene	ND	5.0	1.4	U
156-59-2	cis-1,2-Dichloroethene	1.9	5.0	1.4	J
100-42-5	Styrene	ND	5.0	1.4	U
75-71-8	Dichlorodifluoromethane	ND	10	2.0	U
67-64-1	Acetone	9.4 J	10	2.9	J
75-15-0	Carbon disulfide	ND	10	2.0	U
78-93-3	2-Butanone	4.3 J	10	3.9	J
108-10-1	4-Methyl-2-pentanone	ND	10	2.0	U
591-78-6	2-Hexanone	ND	10	2.0	U
74-97-5	Bromochloromethane	ND	5.0	1.4	U
106-93-4	1,2-Dibromoethane	ND	4.0	1.3	U
96-12-8	1,2-Dibromo-3-chloropropane	ND UJ	5.0	1.4	U
98-82-8	Isopropylbenzene	ND	5.0	1.4	U
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	1.4	U
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	1.4	U
79-20-9	Methyl Acetate	ND	4.0	0.47	U
110-82-7	Cyclohexane	ND	20	0.54	U
123-91-1	1,4-Dioxane	ND UJ	500	120	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	Lab Number	: L2020006
Project Name	: JEFFERSON WOLLENSACK	Project Number	: 2182207
Lab ID	: L2020006-08D	Date Collected	: 05/13/20 10:10
Client ID	: R1MW-02	Date Received	: 05/14/20
Sample Location	: ROCHESTER, NY	Date Analyzed	: 05/19/20 10:42
Sample Matrix	: WATER	Dilution Factor	: 2
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: VE200519A06	Instrument ID	: ELAINE
Sample Amount	: 5 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
76-13-1	Freon-113	ND	5.0	1.4	U
108-87-2	Methyl cyclohexane	ND	20	0.79	U

Tentatively Identified Compounds
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	Lab Number	: L2020006
Project Name	: JEFFERSON WOLLENSACK	Project Number	: 2182207
Lab ID	: L2020006-08D	Date Collected	: 05/13/20 10:10
Client ID	: R1MW-02	Date Received	: 05/14/20
Sample Location	: ROCHESTER, NY	Date Analyzed	: 05/19/20 10:42
Sample Matrix	: WATER	Dilution Factor	: 2
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: VE200519A06	Instrument ID	: ELAINE
Sample Amount	: 5 ml	GC Column	: RTX-502.2
Level	:	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

Number TICS found: 11

Concentration Units: ug/L

CAS Number	Compound Name	RT	EST. CONC.	Qualifier
	Unknown Benzene	10.83	6.2	J
	Unknown Aromatic	11.07	4.22	J
	Unknown Aromatic	11.44	9.02	J
	Unknown	11.62	4.7	J
	Unknown Aromatic	11.83	21.1	J
	Unknown Aromatic	11.91	17.1	J
	Unknown Naphthalene	12.29	5.88	J
	Unknown Naphthalene	12.37	14.4	J
	Unknown Naphthalene	12.45	16.2	J
	Unknown Naphthalene	12.47	7.5	J
	Total TIC Compounds		106J	J

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	Lab Number	: L2020006
Project Name	: JEFFERSON WOLLENSACK	Project Number	: 2182207
Lab ID	: L2020006-09D	Date Collected	: 05/13/20 13:30
Client ID	: BW-03	Date Received	: 05/14/20
Sample Location	: ROCHESTER, NY	Date Analyzed	: 05/19/20 03:24
Sample Matrix	: WATER	Dilution Factor	: 20
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: V05200518N25	Instrument ID	: VOA105
Sample Amount	: 0.5 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	50	14.	U
75-34-3	1,1-Dichloroethane	ND	50	14.	U
67-66-3	Chloroform	ND	50	14.	U
56-23-5	Carbon tetrachloride	ND	10	2.7	U
78-87-5	1,2-Dichloropropane	ND	20	2.7	U
124-48-1	Dibromochloromethane	ND	10	3.0	U
79-00-5	1,1,2-Trichloroethane	ND	30	10.	U
127-18-4	Tetrachloroethene	ND	10	3.6	U
108-90-7	Chlorobenzene	ND	50	14.	U
75-69-4	Trichlorofluoromethane	ND	50	14.	U
107-06-2	1,2-Dichloroethane	ND	10	2.6	U
71-55-6	1,1,1-Trichloroethane	ND	50	14.	U
75-27-4	Bromodichloromethane	ND	10	3.8	U
10061-02-6	trans-1,3-Dichloropropene	ND	10	3.3	U
10061-01-5	cis-1,3-Dichloropropene	ND	10	2.9	U
75-25-2	Bromoform	ND	40	13.	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	10	3.3	U
71-43-2	Benzene	ND	10	3.2	U
108-88-3	Toluene	ND	50	14.	U
100-41-4	Ethylbenzene	ND	50	14.	U
74-87-3	Chloromethane	ND	50	14.	U
74-83-9	Bromomethane	~~ND~~ UJ	50	14.	U
75-01-4	Vinyl chloride	24	20	1.4	
75-00-3	Chloroethane	~~ND~~ UJ	50	14.	U
75-35-4	1,1-Dichloroethene	14	10	3.4	

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	Lab Number	: L2020006
Project Name	: JEFFERSON WOLLENSACK	Project Number	: 2182207
Lab ID	: L2020006-09D	Date Collected	: 05/13/20 13:30
Client ID	: BW-03	Date Received	: 05/14/20
Sample Location	: ROCHESTER, NY	Date Analyzed	: 05/19/20 03:24
Sample Matrix	: WATER	Dilution Factor	: 20
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: V05200518N25	Instrument ID	: VOA105
Sample Amount	: 0.5 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	50	14.	U
79-01-6	Trichloroethene	120 J	10	3.5	
95-50-1	1,2-Dichlorobenzene	ND	50	14.	U
541-73-1	1,3-Dichlorobenzene	ND	50	14.	U
106-46-7	1,4-Dichlorobenzene	ND	50	14.	U
1634-04-4	Methyl tert butyl ether	ND	50	14.	U
179601-23-1	p/m-Xylene	ND	50	14.	U
95-47-6	o-Xylene	ND	50	14.	U
156-59-2	cis-1,2-Dichloroethene	3300	50	14.	
100-42-5	Styrene	ND	50	14.	U
75-71-8	Dichlorodifluoromethane	ND	100	20.	U
67-64-1	Acetone	ND	100	29.	U
75-15-0	Carbon disulfide	ND	100	20.	U
78-93-3	2-Butanone	ND	100	39.	U
108-10-1	4-Methyl-2-pentanone	ND	100	20.	U
591-78-6	2-Hexanone	ND	100	20.	U
74-97-5	Bromochloromethane	ND	50	14.	U
106-93-4	1,2-Dibromoethane	ND	40	13.	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	50	14.	U
98-82-8	Isopropylbenzene	ND	50	14.	U
87-61-6	1,2,3-Trichlorobenzene	ND UJ	50	14.	U
120-82-1	1,2,4-Trichlorobenzene	ND	50	14.	U
79-20-9	Methyl Acetate	ND	40	4.7	U
110-82-7	Cyclohexane	ND	200	5.4	U
123-91-1	1,4-Dioxane	ND UJ	5000	1200	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	Lab Number	: L2020006
Project Name	: JEFFERSON WOLLENSACK	Project Number	: 2182207
Lab ID	: L2020006-09D	Date Collected	: 05/13/20 13:30
Client ID	: BW-03	Date Received	: 05/14/20
Sample Location	: ROCHESTER, NY	Date Analyzed	: 05/19/20 03:24
Sample Matrix	: WATER	Dilution Factor	: 20
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: V05200518N25	Instrument ID	: VOA105
Sample Amount	: 0.5 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
76-13-1	Freon-113	ND	50	14.	U
108-87-2	Methyl cyclohexane	ND	200	7.9	U

Tentatively Identified Compounds
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	Lab Number	: L2020006
Project Name	: JEFFERSON WOLLENSACK	Project Number	: 2182207
Lab ID	: L2020006-09D	Date Collected	: 05/13/20 13:30
Client ID	: BW-03	Date Received	: 05/14/20
Sample Location	: ROCHESTER, NY	Date Analyzed	: 05/19/20 03:24
Sample Matrix	: WATER	Dilution Factor	: 20
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: V05200518N25	Instrument ID	: VOA105
Sample Amount	: 0.5 ml	GC Column	: RTX-502.2
Level	:	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

Number TICS found: 0

Concentration Units: ug/L

CAS Number	Compound Name	RT	EST. CONC.	Qualifier
	NO TENTATIVELY IDENTIFIED COMPOUNDS			

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	Lab Number	: L2020006
Project Name	: JEFFERSON WOLLENSACK	Project Number	: 2182207
Lab ID	: L2020006-10	Date Collected	: 05/12/20 00:00
Client ID	: QA/QC	Date Received	: 05/14/20
Sample Location	: ROCHESTER, NY	Date Analyzed	: 05/18/20 23:54
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: V05200518N16	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	12 J	0.50	0.18	
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	1.0 J	0.50	0.16	
108-88-3	Toluene	1.8 J	2.5	0.70	J
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	~~ND~~ UJ	2.5	0.70	U
75-01-4	Vinyl chloride	1.2 J	1.0	0.07	
75-00-3	Chloroethane	~~ND~~ UJ	2.5	0.70	U
75-35-4	1,1-Dichloroethene	3.8 J	0.50	0.17	

NLK

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	Lab Number	: L2020006
Project Name	: JEFFERSON WOLLENSACK	Project Number	: 2182207
Lab ID	: L2020006-10	Date Collected	: 05/12/20 00:00
Client ID	: QA/QC	Date Received	: 05/14/20
Sample Location	: ROCHESTER, NY	Date Analyzed	: 05/18/20 23:54
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: V05200518N16	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter		ug/L Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene		10 J	2.5	0.70	
79-01-6	Trichloroethene	2800	~~1400~~	0.50	0.18	~~5~~ DJ
95-50-1	1,2-Dichlorobenzene		ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene		ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene		ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether		ND	2.5	0.70	U
179601-23-1	p/m-Xylene		0.85 J	2.5	0.70	J
95-47-6	o-Xylene		ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	130	~~200~~	2.5	0.70	~~E~~ DJ
100-42-5	Styrene		ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane		ND	5.0	1.0	U
67-64-1	Acetone		24 J	5.0	1.5	
75-15-0	Carbon disulfide		ND	5.0	1.0	U
78-93-3	2-Butanone		4.3 J	5.0	1.9	J
108-10-1	4-Methyl-2-pentanone		ND	5.0	1.0	U
591-78-6	2-Hexanone		ND	5.0	1.0	U
74-97-5	Bromochloromethane		ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane		ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane		ND	2.5	0.70	U
98-82-8	Isopropylbenzene		ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene		~~ND~~ UJ	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene		ND	2.5	0.70	U
79-20-9	Methyl Acetate		ND	2.0	0.23	U
110-82-7	Cyclohexane		1.1 J	10	0.27	J
123-91-1	1,4-Dioxane		~~ND~~ UJ	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	Lab Number	: L2020006
Project Name	: JEFFERSON WOLLENSACK	Project Number	: 2182207
Lab ID	: L2020006-10	Date Collected	: 05/12/20 00:00
Client ID	: QA/QC	Date Received	: 05/14/20
Sample Location	: ROCHESTER, NY	Date Analyzed	: 05/18/20 23:54
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: V05200518N16	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Tentatively Identified Compounds
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	Lab Number	: L2020006
Project Name	: JEFFERSON WOLLENSACK	Project Number	: 2182207
Lab ID	: L2020006-10	Date Collected	: 05/12/20 00:00
Client ID	: QA/QC	Date Received	: 05/14/20
Sample Location	: ROCHESTER, NY	Date Analyzed	: 05/18/20 23:54
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: V05200518N16	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	:	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

Number TICS found: 0

Concentration Units: ug/L

CAS Number	Compound Name	RT	EST. CONC.	Qualifier
	NO TENTATIVELY IDENTIFIED COMPOUNDS			

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	Lab Number	: L2020006
Project Name	: JEFFERSON WOLLENSACK	Project Number	: 2182207
Lab ID	: L2020006-10D	Date Collected	: 05/12/20 00:00
Client ID	: QA/QC	Date Received	: 05/14/20
Sample Location	: ROCHESTER, NY	Date Analyzed	: 05/19/20 11:03
Sample Matrix	: WATER	Dilution Factor	: 50
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: VE200519A07	Instrument ID	: ELAINE
Sample Amount	: 0.2 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
79-01-6	Trichloroethene	~~2800~~ see initial analysis	25	8.8	
156-59-2	cis-1,2-Dichloroethene	130	120	35.	

Surrogate Recovery Summary
Form 2
Volatiles

Client: LaBella Associates, P.C.
Project Name: JEFFERSON WOLLENSACK

Lab Number: L2020006
Project Number: 2182207
Matrix: Water

CLIENT ID (LAB SAMPLE NO.)	SMC1 DCA	SMC2 TOL	SMC3 BFB	SMC4 DBFM	TOT OUT
BW-01 (L2020006-01D)	113	98	98	112	0
SB-MW-14 (L2020006-02D)	108	106	90	108	0
SB-MW-15 (L2020006-03D)	113	101	91	112	0
R1MW-16 (L2020006-04D)	112	93	94	112	0
SB-MW-07 (L2020006-05D)	107	109	89	105	0
R1MW-04 (L2020006-06D)	112	89	90	111	0
SB-MW-16 (L2020006-07D)	113	97	95	112	0
R1MW-02 (L2020006-08D)	94	97	92	97	0
BW-03 (L2020006-09D)	112	97	101	112	0
QA/QC (L2020006-10)	110	88	96	108	0
QA/QC (L2020006-10D)	91	104	99	95	0
WG1372229-3LCS	113	103	85	112	0
WG1372229-4LCSD	114	99	94	111	0
WG1372229-5BLANK	109	95	92	110	0
BW-01MS	117	104	105	109	0
BW-01MSD	117	106	104	108	0
WG1372327-3LCS	91	97	94	96	0
WG1372327-4LCSD	86	98	94	96	0
WG1372327-5BLANK	96	96	98	97	0

QC LIMITS
(70-130) DCA = 1,2-DICHLOROETHANE-D4
(70-130) TOL = TOLUENE-D8
(70-130) BFB = 4-BROMOFLUOROBENZENE
(70-130) DBFM = DIBROMOFLUOROMETHANE

* Values outside of QC limits

FORM II NYTCL-8260-R2

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: LaBella Associates, P.C.	Lab Number	: L2020006
Project Name	: JEFFERSON WOLLENSACK	Project Number	: 2182207
Matrix	: WATER		
LCS Sample ID	: WG1372229-3 Analysis Date : 05/18/20 18:05	File ID	: V05200518N01
LCSD Sample ID	: WG1372229-4 Analysis Date : 05/18/20 18:28	File ID	: V05200518N02

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Methylene chloride	10	10	100	10	10	100	0	70-130	20
1,1-Dichloroethane	10	9.8	98	10	9.6	96	2	70-130	20
Chloroform	10	11	110	10	11	110	0	70-130	20
Carbon tetrachloride	10	10	100	10	9.8	98	2	63-132	20
1,2-Dichloropropane	10	9.3	93	10	9.2	92	1	70-130	20
Dibromochloromethane	10	11	110	10	9.4	94	16	63-130	20
1,1,2-Trichloroethane	10	11	110	10	10	100	10	70-130	20
Tetrachloroethene	10	12	120	10	10	100	18	70-130	20
Chlorobenzene	10	9.7	97	10	9.6	96	1	75-130	20
Trichlorofluoromethane	10	9.6	96	10	9.2	92	4	62-150	20
1,2-Dichloroethane	10	11	110	10	11	110	0	70-130	20
1,1,1-Trichloroethane	10	11	110	10	10	100	10	67-130	20
Bromodichloromethane	10	9.9	99	10	10	100	1	67-130	20
trans-1,3-Dichloropropene	10	9.6	96	10	8.5	85	12	70-130	20
cis-1,3-Dichloropropene	10	8.9	89	10	8.7	87	2	70-130	20
Bromoform	10	8.9	89	10	9.5	95	7	54-136	20
1,1,2,2-Tetrachloroethane	10	8.6	86	10	9.6	96	11	67-130	20
Benzene	10	9.9	99	10	9.7	97	2	70-130	20
Toluene	10	9.7	97	10	9.1	91	6	70-130	20
Ethylbenzene	10	9.8	98	10	9.7	97	1	70-130	20
Chloromethane	10	8.1	81	10	7.8	78	4	64-130	20
Bromomethane	10	3.6	36 Q	10	3.7	37 Q	3	39-139	20
Vinyl chloride	10	9.0	90	10	8.3	83	8	55-140	20
Chloroethane	10	6.7	67	10	7.5	75	11	55-138	20
1,1-Dichloroethene	10	10	100	10	10	100	0	61-145	20
trans-1,2-Dichloroethene	10	10	100	10	10	100	0	70-130	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: LaBella Associates, P.C.	Lab Number	: L2020006
Project Name	: JEFFERSON WOLLENSACK	Project Number	: 2182207
Matrix	: WATER		
LCS Sample ID	: WG1372229-3 Analysis Date : 05/18/20 18:05	File ID	: V05200518N01
LCSD Sample ID	: WG1372229-4 Analysis Date : 05/18/20 18:28	File ID	: V05200518N02

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Trichloroethene	10	9.8	98	10	9.4	94	4	70-130	20
1,2-Dichlorobenzene	10	9.2	92	10	9.0	90	2	70-130	20
1,3-Dichlorobenzene	10	9.5	95	10	9.2	92	3	70-130	20
1,4-Dichlorobenzene	10	9.3	93	10	9.2	92	1	70-130	20
Methyl tert butyl ether	10	9.0	90	10	9.2	92	2	63-130	20
p/m-Xylene	20	19	95	20	19	95	0	70-130	20
o-Xylene	20	19	95	20	19	95	0	70-130	20
cis-1,2-Dichloroethene	10	10	100	10	9.9	99	1	70-130	20
Styrene	20	20	100	20	20	100	0	70-130	20
Dichlorodifluoromethane	10	12	120	10	12	120	0	36-147	20
Acetone	10	9.5	95	10	9.5	95	0	58-148	20
Carbon disulfide	10	9.9	99	10	9.5	95	4	51-130	20
2-Butanone	10	9.7	97	10	11	110	13	63-138	20
4-Methyl-2-pentanone	10	8.0	80	10	7.6	76	5	59-130	20
2-Hexanone	10	8.5	85	10	7.7	77	10	57-130	20
Bromochloromethane	10	11	110	10	11	110	0	70-130	20
1,2-Dibromoethane	10	11	110	10	10	100	10	70-130	20
1,2-Dibromo-3-chloropropane	10	7.6	76	10	6.9	69	10	41-144	20
Isopropylbenzene	10	7.9	79	10	8.3	83	5	70-130	20
1,2,3-Trichlorobenzene	10	7.2	72	10	6.6	66 Q	9	70-130	20
1,2,4-Trichlorobenzene	10	8.1	81	10	7.2	72	12	70-130	20
Methyl Acetate	10	10	100	10	10	100	0	70-130	20
Cyclohexane	10	10	100	10	10	100	0	70-130	20
1,4-Dioxane	500	550	110	500	550	110	0	56-162	20
Freon-113	10	13	130	10	12	120	8	70-130	20
Methyl cyclohexane	10	10	100	10	10	100	0	70-130	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: LaBella Associates, P.C.	**Lab Number**	: L2020006
Project Name	: JEFFERSON WOLLENSACK	**Project Number**	: 2182207
Matrix	: WATER		
LCS Sample ID	: WG1372327-3 **Analysis Date** : 05/19/20 09:05	**File ID**	: VE200519A02
LCSD Sample ID	: WG1372327-4 **Analysis Date** : 05/19/20 09:27	**File ID**	: VE200519A03

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Methylene chloride	10	8.9	89 ✓	10	9.1	91 ✓	2	70-130	20
1,1-Dichloroethane	10	9.5	95	10	8.9	89	7	70-130	20
Chloroform	10	8.8	88	10	8.4	84	5	70-130	20
Carbon tetrachloride	10	8.5	85	10	8.2	82	4	63-132	20
1,2-Dichloropropane	10	9.5	95	10	9.0	90	5	70-130	20
Dibromochloromethane	10	8.6	86	10	8.1	81	6	63-130	20
1,1,2-Trichloroethane	10	8.6	86	10	8.1	81	6	70-130	20
Tetrachloroethene	10	8.7	87	10	8.3	83	5	70-130	20
Chlorobenzene	10	9.6	96	10	9.1	91	5	75-130	20
Trichlorofluoromethane	10	9.3	93	10	9.2	92	1	62-150	20
1,2-Dichloroethane	10	8.7	87	10	7.8	78	11	70-130	20
1,1,1-Trichloroethane	10	8.2	82	10	8.3	83	1	67-130	20
Bromodichloromethane	10	8.6	86	10	8.3	83	4	67-130	20
trans-1,3-Dichloropropene	10	7.6	76	10	7.3	73	4	70-130	20
cis-1,3-Dichloropropene	10	8.6	86	10	8.1	81	6	70-130	20
Bromoform	10	7.8	78	10	7.7	77	1	54-136	20
1,1,2,2-Tetrachloroethane	10	8.7	87	10	8.3	83	5	67-130	20
Benzene	10	9.0	90	10	8.8	88	2	70-130	20
Toluene	10	9.2	92	10	8.8	88	4	70-130	20
Ethylbenzene	10	9.3	93	10	8.7	87	7	70-130	20
Chloromethane	10	8.3	83	10	8.0	80	4	64-130	20
Bromomethane	10	7.2	72	10	7.3	73	1	39-139	20
Vinyl chloride	10	10	100	10	9.4	94	6	55-140	20
Chloroethane	10	11	110	10	10	100	10	55-138	20
1,1-Dichloroethene	10	8.5	85	10	8.9	89	5	61-145	20
trans-1,2-Dichloroethene	10	10	100	10	9.3	93	7	70-130	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: LaBella Associates, P.C.	Lab Number	: L2020006
Project Name	: JEFFERSON WOLLENSACK	Project Number	: 2182207
Matrix	: WATER		
LCS Sample ID	: WG1372327-3 Analysis Date : 05/19/20 09:05	File ID	: VE200519A02
LCSD Sample ID	: WG1372327-4 Analysis Date : 05/19/20 09:27	File ID	: VE200519A03

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Trichloroethene	10	8.7	87	10	8.0	80	8	70-130	20
1,2-Dichlorobenzene	10	9.4	94	10	8.9	89	5	70-130	20
1,3-Dichlorobenzene	10	9.5	95	10	9.0	90	5	70-130	20
1,4-Dichlorobenzene	10	9.4	94	10	8.7	87	8	70-130	20
Methyl tert butyl ether	10	8.4	84	10	7.9	79	6	63-130	20
p/m-Xylene	20	19	95	20	18	90	5	70-130	20
o-Xylene	20	19	95	20	18	90	5	70-130	20
cis-1,2-Dichloroethene	10	8.8	88	10	8.4	84	5	70-130	20
Styrene	20	19	95	20	18	90	5	70-130	20
Dichlorodifluoromethane	10	10	100	10	9.9	99	1	36-147	20
Acetone	10	8.1	81	10	8.6	86	6	58-148	20
Carbon disulfide	10	9.4	94	10	9.1	91	3	51-130	20
2-Butanone	10	8.3	83	10	8.8	88	6	63-138	20
4-Methyl-2-pentanone	10	8.0	80	10	7.9	79	1	59-130	20
2-Hexanone	10	7.2	72	10	7.1	71	1	57-130	20
Bromochloromethane	10	9.7	97	10	9.0	90	7	70-130	20
1,2-Dibromoethane	10	8.4	84	10	8.2	82	2	70-130	20
1,2-Dibromo-3-chloropropane	10	6.9	69	10	6.8	68	1	41-144	20
Isopropylbenzene	10	9.3	93	10	8.6	86	8	70-130	20
1,2,3-Trichlorobenzene	10	8.3	83	10	8.0	80	4	70-130	20
1,2,4-Trichlorobenzene	10	8.9	89	10	8.6	86	3	70-130	20
Methyl Acetate	10	8.6	86	10	8.4	84	2	70-130	20
Cyclohexane	10	9.5	95	10	9.0	90	5	70-130	20
1,4-Dioxane	500	370	74	500	370	74	0	56-162	20
Freon-113	10	9.9	99	10	9.7	97	2	70-130	20
Methyl cyclohexane	10	9.4	94	10	8.9	89	5	70-130	20

Matrix Spike Sample Summary
Form 3
Volatiles

Client	: LaBella Associates, P.C.	Lab Number	: L2020006
Project Name	: JEFFERSON WOLLENSACK	Project Number	: 2182207
Client Sample ID	: BW-01	Matrix	: WATER
Lab Sample ID	: L2020006-01	Analysis Date	: 05/19/20 00:40
Matrix Spike	: WG1372229-6	MS Analysis Date	: 05/19/20 03:47
Matrix Spike Dup	: WG1372229-7	MSD Analysis Date	: 05/19/20 04:10

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Methylene chloride	ND	400	460	115	400	440	110	4	70-130	20
1,1-Dichloroethane	ND	400	450	113	400	440	110	2	70-130	20
Chloroform	ND	400	490	123	400	480	120	2	70-130	20
Carbon tetrachloride	ND	400	460	115	400	450	113	2	63-132	20
1,2-Dichloropropane	ND	400	420	105	400	410	103	2	70-130	20
Dibromochloromethane	ND	400	420	105	400	410	103	2	63-130	20
1,1,2-Trichloroethane	ND	400	470	118	400	470	118	0	70-130	20
Tetrachloroethene	13J	400	420	105	400	410	103	2	70-130	20
Chlorobenzene	ND	400	410	103	400	410	103	0	75-130	20
Trichlorofluoromethane	ND	400	420	105	400	400	100	5	62-150	20
1,2-Dichloroethane	ND	400	470	118	400	460	115	2	70-130	20
1,1,1-Trichloroethane	ND	400	490	123	400	480	120	2	67-130	20
Bromodichloromethane	ND	400	440	110	400	420	105	5	67-130	20
trans-1,3-Dichloropropene	ND	400	380	95	400	380	95	0	70-130	20
cis-1,3-Dichloropropene	ND	400	370	92	400	370	92	0	70-130	20
Bromoform	ND	400	420	105	400	420	105	0	54-136	20
1,1,2,2-Tetrachloroethane	ND	400	440	110	400	430	108	2	67-130	20
Benzene	ND	400	440	110	400	430	108	2	70-130	20
Toluene	ND	400	430	108	400	430	108	0	70-130	20
Ethylbenzene	ND	400	430	108	400	420	105	2	70-130	20
Chloromethane	ND	400	360	90	400	360	90	0	64-130	20
Bromomethane	ND	400	98J	24 Q	400	100	25 Q	2	39-139	20

Matrix Spike Sample Summary
Form 3
Volatiles

Client	: LaBella Associates, P.C.	Lab Number	: L2020006
Project Name	: JEFFERSON WOLLENSACK	Project Number	: 2182207
Client Sample ID	: BW-01	Matrix	: WATER
Lab Sample ID	: L2020006-01	Analysis Date	: 05/19/20 00:40
Matrix Spike	: WG1372229-6	MS Analysis Date	: 05/19/20 03:47
Matrix Spike Dup	: WG1372229-7	MSD Analysis Date	: 05/19/20 04:10

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Vinyl chloride	ND	400	310	78	400	290	72	7	55-140	20
Chloroethane	ND	400	260	65	400	260	65	0	55-138	20
1,1-Dichloroethene	ND	400	420	105	400	420	105	0	61-145	20
trans-1,2-Dichloroethene	ND	400	460	115	400	450	113	2	70-130	20
Trichloroethene	4500	400	4400	0 Q	400	4500	0 Q	2	70-130	20
1,2-Dichlorobenzene	ND	400	390	98	400	380	95	3	70-130	20
1,3-Dichlorobenzene	ND	400	370	92	400	360	90	3	70-130	20
1,4-Dichlorobenzene	ND	400	370	92	400	360	90	3	70-130	20
Methyl tert butyl ether	ND	400	410	103	400	410	103	0	63-130	20
p/m-Xylene	ND	800	790	99	800	780	98	1	70-130	20
o-Xylene	ND	800	790	99	800	780	98	1	70-130	20
cis-1,2-Dichloroethene	180	400	650	118	400	620	110	5	70-130	20
Styrene	ND	800	800	100	800	790	99	1	70-130	20
Dichlorodifluoromethane	ND	400	520	130	400	490	123	6	36-147	20
Acetone	ND	400	440	110	400	440	110	0	58-148	20
Carbon disulfide	ND	400	400	100	400	390	98	3	51-130	20
2-Butanone	ND	400	460	115	400	460	115	0	63-138	20
4-Methyl-2-pentanone	ND	400	390	98	400	390	98	0	59-130	20
2-Hexanone	ND	400	370	92	400	380	95	3	57-130	20
Bromochloromethane	ND	400	440	110	400	430	108	2	70-130	20
1,2-Dibromoethane	ND	400	450	113	400	460	115	2	70-130	20
1,2-Dibromo-3-chloropropane	ND	400	370	92	400	380	95	3	41-144	20

Matrix Spike Sample Summary
Form 3
Volatiles

Client	: LaBella Associates, P.C.	Lab Number	: L2020006
Project Name	: JEFFERSON WOLLENSACK	Project Number	: 2182207
Client Sample ID	: BW-01	Matrix	: WATER
Lab Sample ID	: L2020006-01	Analysis Date	: 05/19/20 00:40
Matrix Spike	: WG1372229-6	MS Analysis Date	: 05/19/20 03:47
Matrix Spike Dup	: WG1372229-7	MSD Analysis Date	: 05/19/20 04:10

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Isopropylbenzene	ND	400	380	95	400	370	92	3	70-130	20
1,2,3-Trichlorobenzene	ND	400	280	70	400	310	78	10	70-130	20
1,2,4-Trichlorobenzene	ND	400	300	75	400	300	75	0	70-130	20
Methyl Acetate	ND	400	410	103	400	410	103	0	70-130	20
Cyclohexane	ND	400	460	115	400	440	110	4	70-130	20
1,4-Dioxane	ND	20000	31000	155	20000	23000	115	30 Q	56-162	20
Freon-113	ND	400	460	115	400	430	108	7	70-130	20
Methyl cyclohexane	ND	400	440	110	400	410	103	7	70-130	20

Method Blank Summary
Form 4
Volatiles

Client	: LaBella Associates, P.C.	Lab Number	: L2020006
Project Name	: JEFFERSON WOLLENSACK	Project Number	: 2182207
Lab Sample ID	: WG1372229-5	Lab File ID	: V05200518N05
Instrument ID	: VOA105		
Matrix	: WATER	Analysis Date	: 05/18/20 19:38

Client Sample No.	Lab Sample ID	Analysis Date
WG1372229-3LCS	WG1372229-3	05/18/20 18:05
WG1372229-4LCSD	WG1372229-4	05/18/20 18:28
QA/QC	L2020006-10	05/18/20 23:54
BW-01	L2020006-01D	05/19/20 00:40
SB-MW-14	L2020006-02D	05/19/20 01:04
SB-MW-15	L2020006-03D	05/19/20 01:27
R1MW-16	L2020006-04D	05/19/20 01:50
SB-MW-07	L2020006-05D	05/19/20 02:14
R1MW-04	L2020006-06D	05/19/20 02:37
SB-MW-16	L2020006-07D	05/19/20 03:00
BW-03	L2020006-09D	05/19/20 03:24
BW-01MS	WG1372229-6	05/19/20 03:47
BW-01MSD	WG1372229-7	05/19/20 04:10

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	Lab Number	: L2020006
Project Name	: JEFFERSON WOLLENSACK	Project Number	: 2182207
Lab ID	: WG1372229-5	Date Collected	: NA
Client ID	: WG1372229-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 05/18/20 19:38
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: AJK
Lab File ID	: V05200518N05	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND ✓	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	Lab Number	: L2020006
Project Name	: JEFFERSON WOLLENSACK	Project Number	: 2182207
Lab ID	: WG1372229-5	Date Collected	: NA
Client ID	: WG1372229-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 05/18/20 19:38
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: AJK
Lab File ID	: V05200518N05	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	Lab Number	: L2020006
Project Name	: JEFFERSON WOLLENSACK	Project Number	: 2182207
Lab ID	: WG1372229-5	Date Collected	: NA
Client ID	: WG1372229-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 05/18/20 19:38
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: AJK
Lab File ID	: V05200518N05	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
76-13-1	Freon-113	ND ✓	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Tentatively Identified Compounds
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	Lab Number	: L2020006
Project Name	: JEFFERSON WOLLENSACK	Project Number	: 2182207
Lab ID	: WG1372229-5	Date Collected	: NA
Client ID	: WG1372229-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 05/18/20 19:38
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: AJK
Lab File ID	: V05200518N05	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	:	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

Number TICS found: 0

Concentration Units: ug/L

CAS Number	Compound Name	RT	EST. CONC.	Qualifier
	NO TENTATIVELY IDENTIFIED COMPOUNDS			

Method Blank Summary
Form 4
Volatiles

Client	: LaBella Associates, P.C.	Lab Number	: L2020006
Project Name	: JEFFERSON WOLLENSACK	Project Number	: 2182207
Lab Sample ID	: WG1372327-5	Lab File ID	: VE200519A05
Instrument ID	: ELAINE		
Matrix	: WATER	Analysis Date	: 05/19/20 10:10

Client Sample No.	Lab Sample ID	Analysis Date
WG1372327-3LCS	WG1372327-3	05/19/20 09:05
WG1372327-4LCSD	WG1372327-4	05/19/20 09:27
R1MW-02	L2020006-08D	05/19/20 10:42
QA/QC	L2020006-10D	05/19/20 11:03

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	Lab Number	: L2020006
Project Name	: JEFFERSON WOLLENSACK	Project Number	: 2182207
Lab ID	: WG1372327-5	Date Collected	: NA
Client ID	: WG1372327-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 05/19/20 10:10
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: VE200519A05	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	Lab Number	: L2020006
Project Name	: JEFFERSON WOLLENSACK	Project Number	: 2182207
Lab ID	: WG1372327-5	Date Collected	: NA
Client ID	: WG1372327-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 05/19/20 10:10
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: VE200519A05	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	Lab Number	: L2020006
Project Name	: JEFFERSON WOLLENSACK	Project Number	: 2182207
Lab ID	: WG1372327-5	Date Collected	: NA
Client ID	: WG1372327-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 05/19/20 10:10
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: VE200519A05	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Tentatively Identified Compounds
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	Lab Number	: L2020006
Project Name	: JEFFERSON WOLLENSACK	Project Number	: 2182207
Lab ID	: WG1372327-5	Date Collected	: NA
Client ID	: WG1372327-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 05/19/20 10:10
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: VE200519A05	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	:	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

Number TICS found: 0

Concentration Units: ug/L

CAS Number	Compound Name	RT	EST. CONC.	Qualifier
	NO TENTATIVELY IDENTIFIED COMPOUNDS			

Instrument Performance Check (Tune) Summary
Form 5
Volatiles
Bromofluorobenzene (BFB)

Client	: LaBella Associates, P.C.	Lab Number	: L2020006
Project Name	: JEFFERSON WOLLENSACK	Project Number	: 2182207
Instrument ID	: VOA105	Analysis Date	: 03/13/20 19:15
Tune Standard	: WG1351154-1	Tune File ID	: V05200313NBF1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	17.1
75	30.0 - 60.0% of mass 95	50.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0 (0)1
174	Greater than 50.0 of mass 95	82.9
175	5.0 - 9.0% of mass 174	6.1 (7.3)1
176	95.0 - 101% of mass 174	80.9 (97.6)1
177	5.0 - 9.0% of mass 176	5.3 (6.5)2

1-Value is % of mass 174 2-Value is % of mass 176

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
STDL0.15PP	R1294319-1	V05200313N04	03/13/20 20:45
STDL0.5PPB	R1294319-3	V05200313N06	03/13/20 21:31
STDL2PPB	R1294319-2	V05200313N08	03/13/20 22:18
STDL10PPB	R1294319-5	V05200313N09	03/13/20 22:41
STDL30PPB	R1294319-4	V05200313N10	03/13/20 23:04
STDL80PPB	R1294319-8	V05200313N11	03/13/20 23:27
STDL120PPB	R1294319-7	V05200313N12	03/13/20 23:50
STDL200PPB	R1294319-6	V05200313N13	03/14/20 00:13
ICV Quant Report	R1294319-9	V05200313N20	03/14/20 02:55

Instrument Performance Check (Tune) Summary
Form 5
Volatiles
Bromofluorobenzene (BFB)

Client	: LaBella Associates, P.C.	Lab Number	: L2020006
Project Name	: JEFFERSON WOLLENSACK	Project Number	: 2182207
Instrument ID	: VOA105	Analysis Date	: 05/18/20 17:45
Tune Standard	: WG1372229-1	Tune File ID	: V05200518NBF1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	16.8
75	30.0 - 60.0% of mass 95	51.9
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.7 (1)1
174	Greater than 50.0 of mass 95	77.4
175	5.0 - 9.0% of mass 174	5.7 (7.4)1
176	95.0 - 101% of mass 174	75.1 (97.1)1
177	5.0 - 9.0% of mass 176	5 (6.7)2

1-Value is % of mass 174 2-Value is % of mass 176

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG1372229-2CCAL	WG1372229-2	V05200518N01	05/18/20 18:05
WG1372229-3LCS	WG1372229-3	V05200518N01	05/18/20 18:05
WG1372229-4LCSD	WG1372229-4	V05200518N02	05/18/20 18:28
WG1372229-5BLANK	WG1372229-5	V05200518N05	05/18/20 19:38
QA/QC	L2020006-10	V05200518N16	05/18/20 23:54
BW-01	L2020006-01D	V05200518N18	05/19/20 00:40
SB-MW-14	L2020006-02D	V05200518N19	05/19/20 01:04
SB-MW-15	L2020006-03D	V05200518N20	05/19/20 01:27
R1MW-16	L2020006-04D	V05200518N21	05/19/20 01:50
SB-MW-07	L2020006-05D	V05200518N22	05/19/20 02:14
R1MW-04	L2020006-06D	V05200518N23	05/19/20 02:37
SB-MW-16	L2020006-07D	V05200518N24	05/19/20 03:00
BW-03	L2020006-09D	V05200518N25	05/19/20 03:24
WG1372229-6MS	WG1372229-6	V05200518N26	05/19/20 03:47
WG1372229-7MSD	WG1372229-7	V05200518N27	05/19/20 04:10

Instrument Performance Check (Tune) Summary
Form 5
Volatiles
Bromofluorobenzene (BFB)

Client	: LaBella Associates, P.C.	Lab Number	: L2020006
Project Name	: JEFFERSON WOLLENSACK	Project Number	: 2182207
Instrument ID	: ELAINE	Analysis Date	: 04/21/20 14:06
Tune Standard	: WG1363751-1	Tune File ID	: VE200421NBF1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	21
75	30.0 - 60.0% of mass 95	45
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.2
173	Less than 2.0% of mass 174	0 (0)1
174	Greater than 50.0 of mass 95	77.6
175	5.0 - 9.0% of mass 174	5.7 (7.4)1
176	95.0 - 101% of mass 174	77.1 (99.3)1
177	5.0 - 9.0% of mass 176	4.9 (6.4)2

1-Value is % of mass 174 2-Value is % of mass 176

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
STDLL0.19P	R1306340-1	VE200421N08	04/21/20 16:55
STDLL0.5PP	R1306340-2	VE200421N10	04/21/20 17:38
STDLL2PPB	R1306340-3	VE200421N12	04/21/20 18:21
STDLL10PPB	R1306340-4	VE200421N13	04/21/20 18:43
STDLL30PPB	R1306340-5	VE200421N14	04/21/20 19:05
STDLL80PPB	R1306340-6	VE200421N15	04/21/20 19:26
STDLL120PP	R1306340-7	VE200421N16	04/21/20 19:48
STDLL200PP	R1306340-8	VE200421N17	04/21/20 20:10
ICV Quant Report	R1306340-9	VE200421N23	04/21/20 22:18

Instrument Performance Check (Tune) Summary
Form 5
Volatiles
Bromofluorobenzene (BFB)

Client	: LaBella Associates, P.C.	Lab Number	: L2020006
Project Name	: JEFFERSON WOLLENSACK	Project Number	: 2182207
Instrument ID	: ELAINE	Analysis Date	: 05/19/20 08:29
Tune Standard	: WG1372327-1	Tune File ID	: VE200519ABF1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	19.9
75	30.0 - 60.0% of mass 95	45.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.2
173	Less than 2.0% of mass 174	0 (0)1
174	Greater than 50.0 of mass 95	76
175	5.0 - 9.0% of mass 174	5.7 (7.5)1
176	95.0 - 101% of mass 174	75.2 (98.9)1
177	5.0 - 9.0% of mass 176	4.8 (6.4)2

1-Value is % of mass 174 2-Value is % of mass 176

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG1372327-2CCAL	WG1372327-2	VE200519A02	05/19/20 09:05
WG1372327-3LCS	WG1372327-3	VE200519A02	05/19/20 09:05
WG1372327-4LCSD	WG1372327-4	VE200519A03	05/19/20 09:27
WG1372327-5BLANK	WG1372327-5	VE200519A05	05/19/20 10:10
R1MW-02	L2020006-08D	VE200519A06	05/19/20 10:42
QA/QC	L2020006-10D	VE200519A07	05/19/20 11:03

Internal Standard Area and RT Summary
Form 8a
Volatiles

Client	: LaBella Associates, P.C.	**Lab Number**	: L2020006
Project Name	: JEFFERSON WOLLENSACK	**Project Number**	: 2182207
Instrument ID	: VOA105	**Analysis Date**	: 05/18/20 18:05
Sample No	: WG1372229-2	**Lab File ID**	: V05200518N01

	Fluorobenzene (IS)		Chlorobenzene-d5		1,4-Dichlorobenzene-D4	
	Area	RT	Area	RT	Area	RT
WG1372229-2	1103307	6.03	869831	9.56	540562	12.25
Upper Limit	2206614	6.53	1739662	10.06	1081124	12.75
Lower Limit	551654	5.53	434916	9.06	270281	11.75
Sample ID						
WG1372229-3 LCS	1103307	6.03	869831	9.56	540562	12.25
WG1372229-4 LCSD	1095339	6.04	898119	9.56	531874	12.25
WG1372229-5 BLANK	1034390	6.04	847216	9.56	475335	12.25
QA/QC	1058435	6.04	854466	9.56	474132	12.25
BW-01	1012240	6.04	815511	9.56	470340	12.25
SB-MW-14	1129788	6.04	820524	9.56	465596	12.25
SB-MW-15	996586	6.04	873053	9.56	470597	12.25
R1MW-16	973614	6.04	830187	9.56	449150	12.25
SB-MW-07	1036660	6.04	791251	9.56	441763	12.25
R1MW-04	981689	6.04	848637	9.56	451918	12.25
SB-MW-16	1001223	6.04	806608	9.56	459864	12.25
BW-03	989092	6.04	794475	9.56	422026	12.25
BW-01 MS	1034349	6.04	807391	9.56	437468	12.25
BW-01 MSD	1057697	6.04	802305	9.56	441363	12.25

Area Upper Limit = +100% of internal standard area
Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits

Internal Standard Area and RT Summary
Form 8a
Volatiles

Client	: LaBella Associates, P.C.	Lab Number	: L2020006
Project Name	: JEFFERSON WOLLENSACK	Project Number	: 2182207
Instrument ID	: ELAINE	Analysis Date	: 05/19/20 09:05
Sample No	: WG1372327-2	Lab File ID	: VE200519A02

	Fluorobenzene (IS)		Chlorobenzene-d5		1,4-Dichlorobenzene-D4	
	Area	RT	Area	RT	Area	RT
WG1372327-2	211540	5.49	159928	8.50	80793	9.99
Upper Limit	423080	5.99	319856	9.00	161586	10.49
Lower Limit	105770	4.99	79964	8.00	40397	9.49
Sample ID						
WG1372327-3 LCS	211540	5.49	159928	8.50	80793	9.99
WG1372327-4 LCSD	208147	5.49	156168	8.49	79112	9.99
WG1372327-5 BLANK	203581	5.49	155625	8.49	74186	9.99
R1MW-02	205703	5.49	154506	8.49	78851	9.99
QA/QC	201546	5.49	142303	8.50	74734	9.99

Area Upper Limit = +100% of internal standard area
Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits

DUSR for Laboratory Report L2027694

DATA USABILITY SUMMARY REPORT

for

LABELLA ASSOCIATES, P.C.

300 State Street

Rochester, NY 14614

872 HUDSON AVE.
FORMER WALLENSACK OPTICAL
Project 2182207
SDG: L2027694
Sampled 06/29/2020 and 06/30/2020

VOLATILE ORGANICS

SB-MW-07(6-29-2020)	(L2027694-01)
SB-MW-15(6/29/2020)	(L2027694-02)
BW-03(6-29-2020)	(L2027694-03)
BW-01	(L2027694-04)
SB-MW-14	(L2027694-05)
R1MW-04	(L2027694-06)
R1MW-02	(L2027694-07)
SB-MW-16	(L2027694-08)
RMW-16	(L2027694-09)
R1MW-19S	(L2027694-10)
R1MW-19D	(L2027694-11)
QA/QC	(L2027694-12)
TRIP BLANK	(L2027694-13)

DATA ASSESSMENT

An ASP Category B data package containing analytical results for twelve aqueous samples and a trip blank was received from Labella Associates, P.C. on 10Jul20. The deliverables package included formal reports, raw data, the necessary QC, and supporting information. The samples, taken from the 872 Hudson Ave. Site, were identified by Chain of Custody documents and traceable through the work of Alpha Analytical, the laboratory contracted for analysis. Analyses, performed according to SW-846 Method 8260, addressed determinations of volatile organics. Laboratory data was evaluated according to the quality assurance / quality control requirements of the New York State Department of Environmental Conservation's Analytical Services Protocol (ASP), September 1989, Rev. 07/2005. When the required protocol was not followed, the current EPA Region II Functional Guidelines (SOP NO. HW-33, Rev. #3, March 2013, Low/Medium Volatile Data Validation) was used as a technical reference.

The acetone and 2-butanone concentrations found in this group of samples have been qualified as estimations because they may represent laboratory artifacts.

The bromomethane results from SB-MW-16, R1MW-19S and QA/QV; the trichloroethene results from BW-03(6-29-2020), BW-01, SB-MW-14, R1MW-04, R1MW-02, R1MW-19D and the Trip Blank; the bromomethane, trichloroethene and 1,4-dioxane results from every sample except SB-MW-16, R1MW-19S and QA/QC; the 1,4-dioxane and chloroform results from SB-MW-16, R1MW-19S and QA/QC; and the 1,4-dioxane results from this group of samples have been qualified as estimations due to poor calibration performance.

The bromomethane results from BW-01; the bromomethane and 2-hexanone results from BW-03(6-29-2020), BW-01, SB-MW-14, R1MW-04, R1MW-02, R1MW-19D and the Trip Blank; the 2-hexanone, 1,2-dibromo-3-chloropropane and 1,4-dioxane results from SB-MW-16, R1MW-19S and QA/QC; and the dichlorodifluoromethane results from SB-MW-07(6-9-2020), SB-MW-15(5-29-2020) and RMW-16 have been qualified as estimations due to unacceptable spiked sample or spiked blank recoveries.

The presence of 1,2-dichloroethane in SB-MW-16 could not be verified, based on the mass spectra references included in the raw data. 1,2-Dichloroethane should be interpreted as undetected in this sample.

CORRECTNESS AND USABILITY

Reported data should be considered technically defensible and completely usable in its present form. Results presenting a usable estimation of the conditions at the time of sampling have

been flagged "J" or "UJ". Estimated data should be used with caution. A detailed discussion of the review process follows.

Two facts should be considered by all data users. No compound concentration, even if it has passed strict QC testing, can be guaranteed to be accurate. Strict QC serves to increase confidence in data, but any value potentially contains error. Secondly. DATAVAL, Inc. guarantees the quality of this data assessment. However, DATAVAL, Inc. does not warrant any interpretation or utilization of this data by a third party.

Reviewer's signature: _____ Date: 17 July 20

James B. Baldwin
DATAVAL Inc.

SAMPLE HISTORY

Analyte concentrations can deteriorate with time due to chemical instability, bacterial degradation, or volatility. Samples that are not properly preserved or are not analyzed within established holding times may no longer be considered representative. Holding times are calculated from the time of sample collection. Samples must remain chilled to 4±2°C between the time of collection and the time of analysis. Acid preserved VOC samples must be analyzed within 14 days, unpreserved VOC samples within 7 days. The holding time for VOC soils is 14 days. Aqueous semivolatile organics, pesticide and PCB samples must be extracted within seven days of collection. Soils must be extracted within 14 days. The extracts must then be analyzed within forty days of extraction. The holding times for cyanide and mercury samples are 14 and 28 days, respectively. Metals samples must be analyzed within six months.

This delivery group contained twelve aqueous samples that were collected from the 872 Hudson Ave. site on 29Jun20 and 30Jun20. The entire group of samples was packaged with a trip blank and delivered to the laboratory, via a laboratory courier, on 30Jun20. At the time of receipt the cooler of samples was found to be intact and packed with ice. A cooler temperature of 5.7°C was recorded at the time of receipt. Proper sample preservation was documented in the field custody record. Checks made at the time of analysis verified that each sample volume was properly stabilized at a pH<2.

VOLATILE ORGANICS

This group of samples was analyzed for volatile organics between 01Jul20 and 02Jul20. The SW-846 holding time requirements were satisfied.

Blanks

Blanks are analyzed to evaluate various sources of sample contamination. Field blanks monitor sampling activities. Trip blanks monitor sample transport and storage operations. Method blanks are analyzed to verify instrument integrity. Samples are considered compromised by conditions causing contamination in any blank.

Three method blanks and a trip blank were analyzed with this group of samples. Although each of these blanks demonstrated acceptable chromatography, acetone was found in R1MW-19D and R1MW-02, and acetone and 2-butanone were detected in R1MW-19S. These concentrations have been qualified as estimations because low levels of acetone and 2-butanone frequently represent laboratory artifacts. Acetone and 2-butanone (MEK) could not be removed from the affected sample reports because they were not detected in the associated blanks.

MS Tuning
Mass spectrometer tuning and performance criteria are established to ensure sufficient mass resolution and sensitivity to accurately detect and identify targeted analytes. Verification is accomplished using a certified standard.

An Instrument Performance Check Standard of BFB was analyzed prior to each analytical sequence that included samples from this program. An Instrument Performance Check Form is present for each BFB evaluation. The BFB tunes associated with this project satisfied the program acceptance criteria.

Calibrations
Requirements for instrument calibration are established to ensure that laboratory equipment is capable of producing accurate, quantitative data. Initial calibrations demonstrate a range through which measurements may be made. Continuing calibration check standards verify instrument stability.

Initial instrument calibrations for VOC were performed on 02Jun20, 17Jun20 and 23Jun20. Standards of 0.19, 0.5, 2.0, 10, 30, 80, 120 and 200 µg/l were included. With the exception of bromomethane on 02Jun20; trichloroethene on 17Jun20; and 1,4-dioxane during each calibration, each targeted analyte produced the required levels of instrument response and demonstrated an acceptable degree of linearity during each calibration. Bromomethane, 1,4-Dioxanne and trichloroethene standards, however, failed to produce the required levels of instrument response. The bromomethane (BRMANE) results from SB-MW-16, R1MW-19S and QA/QC; the trichloroethene (TCE) results from BW-03(6/29/2020), BW-01, SB-MW-14, R1MW-04, R1MW-02, R1MW-19D and the Trip Blank; and the 1,4-dioxane (14DIOXANE) results from this group of samples have been qualified as estimations based on this performance.

Calibration check standards were analyzed on 01Jul20 (System V22), 01Jul20 (System VE) and 02Jul20, prior to each 12-hour period of instrument operation that included samples from this program. When compared to the initial calibrations, unacceptable shifts were observed in the instrument response of bromomethane, trichloroethene, 1,4-dioxane and bromoform. The bromomethane (BRMANE), trichloroethene (TCE) and 1,4-dioxane (14DIOXANE) results from every sample except SB-MW-16, R1MW-19S and QA/QC, and the 1,4-dioxane and chloroform (CHCL3) results from SB-MW-16, R1MW-19S and QA/QC have qualified as estimations based on this performance. The remaining analytes demonstrated an acceptable level of instrument stability during each calibration checks.

Surrogates
Each sample, blank and standard is spiked with surrogate compounds prior to analysis. The structures of surrogates are similar to analytes of interest, but they are not normally found in environ-

mental samples. Surrogate recoveries are monitored to evaluate overall laboratory performance and the efficiency of laboratory technique.

Surrogate Summary Sheets were properly prepared, based on the laboratory's statistical acceptance criteria. When compared to the ASP requirements, however, an acceptable recovery was reported for each surrogate addition to this group of samples.

Internal Standards

Internal standards are added to each sample, blank and standard just prior to injection. Analyte concentrations are calculated relative to the response of a specific internal standard. Internal standard performance criteria ensure that GC/MS sensitivity and response are stable during the analysis of each sample. The area of internal standard peaks may not vary by more than a factor of two. When compared to the preceding calibration check, retention times may not vary by more than 30 seconds.

The laboratory correctly calculated control limits for internal standard response and retention times. When compared to this criteria, acceptable performance was demonstrated by each internal standard addition to this group of samples.

Matrix Spikes

Matrix spiking refers to the addition of known analyte concentrations to a sample, prior to analysis. Analyte recoveries provide an indication of laboratory accuracy. The analysis of a duplicate spiked aliquot provides a measurement of precision.

BW-01 was selected for matrix spiking. Each targeted analyte was added to two aliquots of this sample. The recoveries reported for these spikes included low results for bromomethane (30%,38%) and high recoveries of acetone (132%), and 1,4-dioxane (152%,160%). The positive bias indicated by the high recoveries of 1,4-dioxane and acetone warrant no concern because 1,4-dioxane and acetone were not detected in BW-01. The bromomethane (BRMANE) result from BW-01 has been qualified as an estimation.

Three pairs of spiked blanks (LCS/LCSD) were also analyzed with this group of samples. The recoveries reported from these LCS samples included low results for bromomethane (58%,58%), 2-hexanone (68%,67%), 1,2-dibromo-3-chloropropane (62%), 1,4-dioxane (66%) and dibromodifluoromethane (66%,62%, and high recoveries of 1,4-dioxane (150%,140%). Based on this performance, the bromomethane and 2-hexanone results from BW-03(6/29/2020), BW-01, SB-MW-14, R1MW-04, R1MW-02, R1MW-19D and the Trip Blank; the 2-hexanone, 1,2-dibromo-3-chloropropane and 1,4-dioxane results from SB-MW-16, R1MW-19S and QA/QC; and the dichlorodifluoromethane results from SB-MW-07(6-29-2020), SB-MW-15(6-29-2020) and RMW-16 have been qualified as estimations.

Duplicates

Two aliquots of the same sample are processed separately through all aspects of sample preparation and analysis. The results produced by the analysis of this pair of samples are compared as a measurement of precision. Poor precision may be indicative of sample non-homogeneity, method defects, or poor laboratory technique.

Field split duplicate samples of BW-01 were included in this delivery group. Tetrachloroethene, trichloroethene and cis-1,2-dichloroethene were found in both of these samples. The concentrations reported for these analytes differed by between 4% and 11% RPD (Relative Percent Difference). This is considered an excellent demonstration of measurement precision.

Reported Analytes

Formal reports were provided for each sample. The data package also included total ion chromatograms and raw instrument print outs. Reference mass spectra were provided to confirm the identification of each analyte that was found in this group of samples. Tentatively Identified Compounds (TIC) were reported.

The presence of 1,2-dichloroethane in SB-MW-16 could not be verified, based on the mass spectra references included in the raw data. 1,2-Dichloroethane (12DCA) should be interpreted as undetected in this sample.

SUMMARY OF QUALIFIED DATA

FORMER WOLLENSACK OPTICAL (872 HUDSON AVE) SAMPLED: June 2020

		BLANK ACETONE	BLANK MEK	CALIBRATE BRMANE	CALIBRATE TCE	CALIBRATE 14DIOXANE	CALIBRATE CAL1*
SB-MW-07(6-29-2020)	(L2027694-01)					12000UJ	ALL J/UJ
SB-MW-15(6/29/2020)	(L2027694-02)					10000UJ	ALL J/UJ
BW-03(6-29-2020)	(L2027694-03)				13J	6200UJ	ALL J/UJ
BW-01	(L2027694-04)				5400J	12000UJ	ALL J/UJ
SB-MW-14	(L2027694-05)				89000J	250000UJ	ALL J/UJ
R1MW-04	(L2027694-06)				220J	620UJ	ALL J/UJ
R1MW-02	(L2027694-07)	5.2J			98J	500UJ	ALL J/UJ
SB-MW-16	(L2027694-08)			6.2UJ		620UJ	
RMW-16	(L2027694-09)					6200UJ	ALL J/UJ
R1MW-19S	(L2027694-10)	78J	4.5J	2.5UJ		250UJ	
R1MW-19D	(L2027694-11)	94J			5.0UJ	2500UJ	ALL UJ
QA/QC	(L2027694-12)			120UJ		12000UJ	
TRIP BLANK	(L2027694-13)				0.50UJ	250UJ	ALL J/UJ

CAL1* = bromomethane, trichloroethene, 1,4-dioxane

SUMMARY OF QUALIFIED DATA

FORMER WOLLENSACK OPTICAL (872 HUDSON AVE) SAMPLED: June 2020

		CALIBRATE CAL*2	SPIKES BRMANE	SPIKE LCS1*	SPIKE LCS2*	SPIKE CL2F2MANE	MS ID 12DCA
SB-MW-07(6-29-2020)	(L2027694-01)					250UJ	
SB-MW-15(6/29/2020)	(L2027694-02)					200UJ	
BW-03(6-29-2020)	(L2027694-03)			ALL UJ			
BW-01	(L2027694-04)		120UJ	ALL UJ			
SB-MW-14	(L2027694-05)			ALL UJ			
R1MW-04	(L2027694-06)			ALL UJ			
R1MW-02	(L2027694-07)			ALL UJ			
SB-MW-16	(L2027694-08)	ALL UJ			ALL UJ		1.2U
RMW-16	(L2027694-09)					120UJ	
R1MW-19S	(L2027694-10)	ALL J/UJ			ALL UJ		
R1MW-19D	(L2027694-11)			ALL UJ			
QA/QC	(L2027694-12)	ALL UJ			ALL UJ		
TRIP BLANK	(L2027694-13)			ALL UJ			

CAL2* = 1,4-dioxane, chloroform

LCS1* = bromomethane, 2-hexanone

LCS2* = 2-hexanone, 1,2-dibromo-3-chloropropane, 1,4-dioxane

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	Lab Number	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	Project Number	: 2182207
Lab ID	: L2027694-01D	Date Collected	: 06/29/20 13:00
Client ID	: SB-MW-07 (6-29-2020)	Date Received	: 06/30/20
Sample Location	: ROCHESTER, NY	Date Analyzed	: 07/02/20 08:48
Sample Matrix	: WATER	Dilution Factor	: 50
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V08200702A06	Instrument ID	: VOA108
Sample Amount	: 0.2 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	120	35.	U
75-34-3	1,1-Dichloroethane	ND	120	35.	U
67-66-3	Chloroform	ND	120	35.	U
56-23-5	Carbon tetrachloride	ND	25	6.7	U
78-87-5	1,2-Dichloropropane	ND	50	6.8	U
124-48-1	Dibromochloromethane	ND	25	7.4	U
79-00-5	1,1,2-Trichloroethane	ND	75	25.	U
127-18-4	Tetrachloroethene	16	25	9.0	J
108-90-7	Chlorobenzene	ND	120	35.	U
75-69-4	Trichlorofluoromethane	ND	120	35.	U
107-06-2	1,2-Dichloroethane	ND	25	6.6	U
71-55-6	1,1,1-Trichloroethane	ND	120	35.	U
75-27-4	Bromodichloromethane	ND	25	9.6	U
10061-02-6	trans-1,3-Dichloropropene	ND	25	8.2	U
10061-01-5	cis-1,3-Dichloropropene	ND	25	7.2	U
75-25-2	Bromoform	ND	100	32.	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	25	8.4	U
71-43-2	Benzene	ND	25	8.0	U
108-88-3	Toluene	ND	120	35.	U
100-41-4	Ethylbenzene	ND	120	35.	U
74-87-3	Chloromethane	ND	120	35.	U
74-83-9	Bromomethane	ND UJ	120	35.	U
75-01-4	Vinyl chloride	ND	50	3.6	U
75-00-3	Chloroethane	ND	120	35.	U
75-35-4	1,1-Dichloroethene	ND	25	8.4	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	Lab Number	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	Project Number	: 2182207
Lab ID	: L2027694-01D	Date Collected	: 06/29/20 13:00
Client ID	: SB-MW-07 (6-29-2020)	Date Received	: 06/30/20
Sample Location	: ROCHESTER, NY	Date Analyzed	: 07/02/20 08:48
Sample Matrix	: WATER	Dilution Factor	: 50
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V08200702A06	Instrument ID	: VOA108
Sample Amount	: 0.2 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	120	35.	U
79-01-6	Trichloroethene	4300 J	25	8.8	
95-50-1	1,2-Dichlorobenzene	ND	120	35.	U
541-73-1	1,3-Dichlorobenzene	ND	120	35.	U
106-46-7	1,4-Dichlorobenzene	ND	120	35.	U
1634-04-4	Methyl tert butyl ether	ND	120	35.	U
179601-23-1	p/m-Xylene	ND	120	35.	U
95-47-6	o-Xylene	ND	120	35.	U
156-59-2	cis-1,2-Dichloroethene	ND	120	35.	U
100-42-5	Styrene	ND	120	35.	U
75-71-8	Dichlorodifluoromethane	~~ND~~ UJ	250	50.	U
67-64-1	Acetone	ND	250	73.	U
75-15-0	Carbon disulfide	ND	250	50.	U
78-93-3	2-Butanone	ND	250	97.	U
108-10-1	4-Methyl-2-pentanone	ND	250	50.	U
591-78-6	2-Hexanone	ND	250	50.	U
74-97-5	Bromochloromethane	ND	120	35.	U
106-93-4	1,2-Dibromoethane	ND	100	32.	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	120	35.	U
98-82-8	Isopropylbenzene	ND	120	35.	U
87-61-6	1,2,3-Trichlorobenzene	ND	120	35.	U
120-82-1	1,2,4-Trichlorobenzene	ND	120	35.	U
79-20-9	Methyl Acetate	ND	100	12.	U
110-82-7	Cyclohexane	ND	500	14.	U
123-91-1	1,4-Dioxane	~~ND~~ UJ	12000	3000	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	Lab Number	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	Project Number	: 2182207
Lab ID	: L2027694-01D	Date Collected	: 06/29/20 13:00
Client ID	: SB-MW-07 (6-29-2020)	Date Received	: 06/30/20
Sample Location	: ROCHESTER, NY	Date Analyzed	: 07/02/20 08:48
Sample Matrix	: WATER	Dilution Factor	: 50
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V08200702A06	Instrument ID	: VOA108
Sample Amount	: 0.2 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
76-13-1	Freon-113	ND	120	35.	U
108-87-2	Methyl cyclohexane	ND	500	20.	U

Tentatively Identified Compounds
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	Lab Number	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	Project Number	: 2182207
Lab ID	: L2027694-01D	Date Collected	: 06/29/20 13:00
Client ID	: SB-MW-07 (6-29-2020)	Date Received	: 06/30/20
Sample Location	: ROCHESTER, NY	Date Analyzed	: 07/02/20 08:48
Sample Matrix	: WATER	Dilution Factor	: 50
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V08200702A06	Instrument ID	: VOA108
Sample Amount	: 0.2 ml	GC Column	: RTX-502.2
Level	:	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

Number TICS found: 0

Concentration Units: ug/L

CAS Number	Compound Name	RT	EST. CONC.	Qualifier
	NO TENTATIVELY IDENTIFIED COMPOUNDS			

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	Lab Number	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	Project Number	: 2182207
Lab ID	: L2027694-02D	Date Collected	: 06/29/20 14:30
Client ID	: SB-MW-15 (6-29-2020)	Date Received	: 06/30/20
Sample Location	: ROCHESTER, NY	Date Analyzed	: 07/02/20 09:13
Sample Matrix	: WATER	Dilution Factor	: 40
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V08200702A07	Instrument ID	: VOA108
Sample Amount	: 0.25 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	100	28.	U
75-34-3	1,1-Dichloroethane	ND	100	28.	U
67-66-3	Chloroform	ND	100	28.	U
56-23-5	Carbon tetrachloride	ND	20	5.4	U
78-87-5	1,2-Dichloropropane	ND	40	5.5	U
124-48-1	Dibromochloromethane	ND	20	6.0	U
79-00-5	1,1,2-Trichloroethane	ND	60	20.	U
127-18-4	Tetrachloroethene	12	20	7.2	J
108-90-7	Chlorobenzene	ND	100	28.	U
75-69-4	Trichlorofluoromethane	ND	100	28.	U
107-06-2	1,2-Dichloroethane	ND	20	5.3	U
71-55-6	1,1,1-Trichloroethane	ND	100	28.	U
75-27-4	Bromodichloromethane	ND	20	7.7	U
10061-02-6	trans-1,3-Dichloropropene	ND	20	6.6	U
10061-01-5	cis-1,3-Dichloropropene	ND	20	5.8	U
75-25-2	Bromoform	ND	80	26.	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	20	6.7	U
71-43-2	Benzene	ND	20	6.4	U
108-88-3	Toluene	ND	100	28.	U
100-41-4	Ethylbenzene	ND	100	28.	U
74-87-3	Chloromethane	ND	100	28.	U
74-83-9	Bromomethane	~~ND~~ UJ	100	28.	U
75-01-4	Vinyl chloride	ND	40	2.8	U
75-00-3	Chloroethane	ND	100	28.	U
75-35-4	1,1-Dichloroethene	ND	20	6.8	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	Lab Number	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	Project Number	: 2182207
Lab ID	: L2027694-02D	Date Collected	: 06/29/20 14:30
Client ID	: SB-MW-15 (6-29-2020)	Date Received	: 06/30/20
Sample Location	: ROCHESTER, NY	Date Analyzed	: 07/02/20 09:13
Sample Matrix	: WATER	Dilution Factor	: 40
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V08200702A07	Instrument ID	: VOA108
Sample Amount	: 0.25 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	110	100	28.	
79-01-6	Trichloroethene	5800 J	20	7.0	
95-50-1	1,2-Dichlorobenzene	ND	100	28.	U
541-73-1	1,3-Dichlorobenzene	ND	100	28.	U
106-46-7	1,4-Dichlorobenzene	ND	100	28.	U
1634-04-4	Methyl tert butyl ether	ND	100	28.	U
179601-23-1	p/m-Xylene	ND	100	28.	U
95-47-6	o-Xylene	ND	100	28.	U
156-59-2	cis-1,2-Dichloroethene	200	100	28.	
100-42-5	Styrene	ND	100	28.	U
75-71-8	Dichlorodifluoromethane	ND UJ	200	40.	U
67-64-1	Acetone	ND	200	58.	U
75-15-0	Carbon disulfide	ND	200	40.	U
78-93-3	2-Butanone	ND	200	78.	U
108-10-1	4-Methyl-2-pentanone	ND	200	40.	U
591-78-6	2-Hexanone	ND	200	40.	U
74-97-5	Bromochloromethane	ND	100	28.	U
106-93-4	1,2-Dibromoethane	ND	80	26.	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	100	28.	U
98-82-8	Isopropylbenzene	ND	100	28.	U
87-61-6	1,2,3-Trichlorobenzene	ND	100	28.	U
120-82-1	1,2,4-Trichlorobenzene	ND	100	28.	U
79-20-9	Methyl Acetate	ND	80	9.4	U
110-82-7	Cyclohexane	ND	400	11.	U
123-91-1	1,4-Dioxane	ND UJ	10000	2400	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	Lab Number	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	Project Number	: 2182207
Lab ID	: L2027694-02D	Date Collected	: 06/29/20 14:30
Client ID	: SB-MW-15 (6-29-2020)	Date Received	: 06/30/20
Sample Location	: ROCHESTER, NY	Date Analyzed	: 07/02/20 09:13
Sample Matrix	: WATER	Dilution Factor	: 40
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V08200702A07	Instrument ID	: VOA108
Sample Amount	: 0.25 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
76-13-1	Freon-113	ND	100	28.	U
108-87-2	Methyl cyclohexane	ND	400	16.	U

Tentatively Identified Compounds
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	Lab Number	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	Project Number	: 2182207
Lab ID	: L2027694-02D	Date Collected	: 06/29/20 14:30
Client ID	: SB-MW-15 (6-29-2020)	Date Received	: 06/30/20
Sample Location	: ROCHESTER, NY	Date Analyzed	: 07/02/20 09:13
Sample Matrix	: WATER	Dilution Factor	: 40
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V08200702A07	Instrument ID	: VOA108
Sample Amount	: 0.25 ml	GC Column	: RTX-502.2
Level	:	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

Number TICS found: 0

Concentration Units: ug/L

CAS Number	Compound Name	RT	EST. CONC.	Qualifier
	NO TENTATIVELY IDENTIFIED COMPOUNDS			

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	Lab Number	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	Project Number	: 2182207
Lab ID	: L2027694-03D	Date Collected	: 06/29/20 15:46
Client ID	: BW-03 (6-29-2020)	Date Received	: 06/30/20
Sample Location	: ROCHESTER, NY	Date Analyzed	: 07/01/20 16:33
Sample Matrix	: WATER	Dilution Factor	: 25
Analytical Method	: 1,8260C	Analyst	: AJK
Lab File ID	: V22200701A20	Instrument ID	: VOA122
Sample Amount	: 0.4 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	62	18.	U
75-34-3	1,1-Dichloroethane	ND	62	18.	U
67-66-3	Chloroform	ND	62	18.	U
56-23-5	Carbon tetrachloride	ND	12	3.4	U
78-87-5	1,2-Dichloropropane	ND	25	3.4	U
124-48-1	Dibromochloromethane	ND	12	3.7	U
79-00-5	1,1,2-Trichloroethane	ND	38	12.	U
127-18-4	Tetrachloroethene	ND	12	4.5	U
108-90-7	Chlorobenzene	ND	62	18.	U
75-69-4	Trichlorofluoromethane	ND	62	18.	U
107-06-2	1,2-Dichloroethane	ND	12	3.3	U
71-55-6	1,1,1-Trichloroethane	ND	62	18.	U
75-27-4	Bromodichloromethane	ND	12	4.8	U
10061-02-6	trans-1,3-Dichloropropene	ND	12	4.1	U
10061-01-5	cis-1,3-Dichloropropene	ND	12	3.6	U
75-25-2	Bromoform	ND	50	16.	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	12	4.2	U
71-43-2	Benzene	ND	12	4.0	U
108-88-3	Toluene	ND	62	18.	U
100-41-4	Ethylbenzene	ND	62	18.	U
74-87-3	Chloromethane	ND	62	18.	U
74-83-9	Bromomethane	ND	62	18.	U
75-01-4	Vinyl chloride	32	25	1.8	
75-00-3	Chloroethane	ND	62	18.	U
75-35-4	1,1-Dichloroethene	10	12	4.2	J

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	Lab Number	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	Project Number	: 2182207
Lab ID	: L2027694-03D	Date Collected	: 06/29/20 15:46
Client ID	: BW-03 (6-29-2020)	Date Received	: 06/30/20
Sample Location	: ROCHESTER, NY	Date Analyzed	: 07/01/20 16:33
Sample Matrix	: WATER	Dilution Factor	: 25
Analytical Method	: 1,8260C	Analyst	: AJK
Lab File ID	: V22200701A20	Instrument ID	: VOA122
Sample Amount	: 0.4 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	62	18.	U
79-01-6	Trichloroethene	13 J	12	4.4	
95-50-1	1,2-Dichlorobenzene	ND	62	18.	U
541-73-1	1,3-Dichlorobenzene	ND	62	18.	U
106-46-7	1,4-Dichlorobenzene	ND	62	18.	U
1634-04-4	Methyl tert butyl ether	ND	62	18.	U
179601-23-1	p/m-Xylene	ND	62	18.	U
95-47-6	o-Xylene	ND	62	18.	U
156-59-2	cis-1,2-Dichloroethene	2800	62	18.	
100-42-5	Styrene	ND	62	18.	U
75-71-8	Dichlorodifluoromethane	ND	120	25.	U
67-64-1	Acetone	ND	120	36.	U
75-15-0	Carbon disulfide	ND	120	25.	U
78-93-3	2-Butanone	ND	120	48.	U
108-10-1	4-Methyl-2-pentanone	ND	120	25.	U
591-78-6	2-Hexanone	ND UJ	120	25.	U
74-97-5	Bromochloromethane	ND	62	18.	U
106-93-4	1,2-Dibromoethane	ND	50	16.	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	62	18.	U
98-82-8	Isopropylbenzene	ND	62	18.	U
87-61-6	1,2,3-Trichlorobenzene	ND	62	18.	U
120-82-1	1,2,4-Trichlorobenzene	ND	62	18.	U
79-20-9	Methyl Acetate	ND	50	5.8	U
110-82-7	Cyclohexane	ND	250	6.8	U
123-91-1	1,4-Dioxane	ND UJ	6200	1500	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	Lab Number	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	Project Number	: 2182207
Lab ID	: L2027694-03D	Date Collected	: 06/29/20 15:46
Client ID	: BW-03 (6-29-2020)	Date Received	: 06/30/20
Sample Location	: ROCHESTER, NY	Date Analyzed	: 07/01/20 16:33
Sample Matrix	: WATER	Dilution Factor	: 25
Analytical Method	: 1,8260C	Analyst	: AJK
Lab File ID	: V22200701A20	Instrument ID	: VOA122
Sample Amount	: 0.4 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
76-13-1	Freon-113	ND	62	18.	U
108-87-2	Methyl cyclohexane	ND	250	9.9	U

Tentatively Identified Compounds
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	Lab Number	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	Project Number	: 2182207
Lab ID	: L2027694-03D	Date Collected	: 06/29/20 15:46
Client ID	: BW-03 (6-29-2020)	Date Received	: 06/30/20
Sample Location	: ROCHESTER, NY	Date Analyzed	: 07/01/20 16:33
Sample Matrix	: WATER	Dilution Factor	: 25
Analytical Method	: 1,8260C	Analyst	: AJK
Lab File ID	: V22200701A20	Instrument ID	: VOA122
Sample Amount	: 0.4 ml	GC Column	: RTX-502.2
Level	:	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

Number TICS found: 0

Concentration Units: ug/L

CAS Number	Compound Name	RT	EST. CONC.	Qualifier
	NO TENTATIVELY IDENTIFIED COMPOUNDS			

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	Lab Number	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	Project Number	: 2182207
Lab ID	: L2027694-04D	Date Collected	: 06/30/20 09:30
Client ID	: BW-01	Date Received	: 06/30/20
Sample Location	: ROCHESTER, NY	Date Analyzed	: 07/01/20 16:57
Sample Matrix	: WATER	Dilution Factor	: 50
Analytical Method	: 1,8260C	Analyst	: AJK
Lab File ID	: V22200701A21	Instrument ID	: VOA122
Sample Amount	: 0.2 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	120	35.	U
75-34-3	1,1-Dichloroethane	ND	120	35.	U
67-66-3	Chloroform	ND	120	35.	U
56-23-5	Carbon tetrachloride	ND	25	6.7	U
78-87-5	1,2-Dichloropropane	ND	50	6.8	U
124-48-1	Dibromochloromethane	ND	25	7.4	U
79-00-5	1,1,2-Trichloroethane	ND	75	25.	U
127-18-4	Tetrachloroethene	14	25	9.0	J
108-90-7	Chlorobenzene	ND	120	35.	U
75-69-4	Trichlorofluoromethane	ND	120	35.	U
107-06-2	1,2-Dichloroethane	ND	25	6.6	U
71-55-6	1,1,1-Trichloroethane	ND	120	35.	U
75-27-4	Bromodichloromethane	ND	25	9.6	U
10061-02-6	trans-1,3-Dichloropropene	ND	25	8.2	U
10061-01-5	cis-1,3-Dichloropropene	ND	25	7.2	U
75-25-2	Bromoform	ND	100	32.	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	25	8.4	U
71-43-2	Benzene	ND	25	8.0	U
108-88-3	Toluene	ND	120	35.	U
100-41-4	Ethylbenzene	ND	120	35.	U
74-87-3	Chloromethane	ND	120	35.	U
74-83-9	Bromomethane	ND	120	35.	U
75-01-4	Vinyl chloride	ND	50	3.6	U
75-00-3	Chloroethane	ND	120	35.	U
75-35-4	1,1-Dichloroethene	ND	25	8.4	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	Lab Number	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	Project Number	: 2182207
Lab ID	: L2027694-04D	Date Collected	: 06/30/20 09:30
Client ID	: BW-01	Date Received	: 06/30/20
Sample Location	: ROCHESTER, NY	Date Analyzed	: 07/01/20 16:57
Sample Matrix	: WATER	Dilution Factor	: 50
Analytical Method	: 1,8260C	Analyst	: AJK
Lab File ID	: V22200701A21	Instrument ID	: VOA122
Sample Amount	: 0.2 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	120	35.	U
79-01-6	Trichloroethene	5400 J	25	8.8	
95-50-1	1,2-Dichlorobenzene	ND	120	35.	U
541-73-1	1,3-Dichlorobenzene	ND	120	35.	U
106-46-7	1,4-Dichlorobenzene	ND	120	35.	U
1634-04-4	Methyl tert butyl ether	ND	120	35.	U
179601-23-1	p/m-Xylene	ND	120	35.	U
95-47-6	o-Xylene	ND	120	35.	U
156-59-2	cis-1,2-Dichloroethene	220	120	35.	
100-42-5	Styrene	ND	120	35.	U
75-71-8	Dichlorodifluoromethane	ND	250	50.	U
67-64-1	Acetone	ND	250	73.	U
75-15-0	Carbon disulfide	ND	250	50.	U
78-93-3	2-Butanone	ND	250	97.	U
108-10-1	4-Methyl-2-pentanone	ND	250	50.	U
591-78-6	2-Hexanone	~~ND~~ UJ	250	50.	U
74-97-5	Bromochloromethane	ND	120	35.	U
106-93-4	1,2-Dibromoethane	ND	100	32.	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	120	35.	U
98-82-8	Isopropylbenzene	ND	120	35.	U
87-61-6	1,2,3-Trichlorobenzene	ND	120	35.	U
120-82-1	1,2,4-Trichlorobenzene	ND	120	35.	U
79-20-9	Methyl Acetate	ND	100	12.	U
110-82-7	Cyclohexane	ND	500	14.	U
123-91-1	1,4-Dioxane	~~ND~~ UJ	12000	3000	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	Lab Number	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	Project Number	: 2182207
Lab ID	: L2027694-04D	Date Collected	: 06/30/20 09:30
Client ID	: BW-01	Date Received	: 06/30/20
Sample Location	: ROCHESTER, NY	Date Analyzed	: 07/01/20 16:57
Sample Matrix	: WATER	Dilution Factor	: 50
Analytical Method	: 1,8260C	Analyst	: AJK
Lab File ID	: V22200701A21	Instrument ID	: VOA122
Sample Amount	: 0.2 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
76-13-1	Freon-113	ND	120	35.	U
108-87-2	Methyl cyclohexane	ND	500	20.	U

Tentatively Identified Compounds
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	Lab Number	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	Project Number	: 2182207
Lab ID	: L2027694-04D	Date Collected	: 06/30/20 09:30
Client ID	: BW-01	Date Received	: 06/30/20
Sample Location	: ROCHESTER, NY	Date Analyzed	: 07/01/20 16:57
Sample Matrix	: WATER	Dilution Factor	: 50
Analytical Method	: 1,8260C	Analyst	: AJK
Lab File ID	: V22200701A21	Instrument ID	: VOA122
Sample Amount	: 0.2 ml	GC Column	: RTX-502.2
Level	:	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

Number TICS found: 0

Concentration Units: ug/L

CAS Number	Compound Name	RT	EST. CONC.	Qualifier
	NO TENTATIVELY IDENTIFIED COMPOUNDS			

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	Lab Number	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	Project Number	: 2182207
Lab ID	: L2027694-05D	Date Collected	: 06/30/20 10:05
Client ID	: SB-MW-14	Date Received	: 06/30/20
Sample Location	: ROCHESTER, NY	Date Analyzed	: 07/01/20 17:22
Sample Matrix	: WATER	Dilution Factor	: 1000
Analytical Method	: 1,8260C	Analyst	: AJK
Lab File ID	: V22200701A22	Instrument ID	: VOA122
Sample Amount	: 0.01 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2500	700	U
75-34-3	1,1-Dichloroethane	ND	2500	700	U
67-66-3	Chloroform	ND	2500	700	U
56-23-5	Carbon tetrachloride	ND	500	130	U
78-87-5	1,2-Dichloropropane	ND	1000	140	U
124-48-1	Dibromochloromethane	ND	500	150	U
79-00-5	1,1,2-Trichloroethane	ND	1500	500	U
127-18-4	Tetrachloroethene	1700	500	180	
108-90-7	Chlorobenzene	ND	2500	700	U
75-69-4	Trichlorofluoromethane	ND	2500	700	U
107-06-2	1,2-Dichloroethane	ND	500	130	U
71-55-6	1,1,1-Trichloroethane	ND	2500	700	U
75-27-4	Bromodichloromethane	ND	500	190	U
10061-02-6	trans-1,3-Dichloropropene	ND	500	160	U
10061-01-5	cis-1,3-Dichloropropene	ND	500	140	U
75-25-2	Bromoform	ND	2000	650	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	500	170	U
71-43-2	Benzene	ND	500	160	U
108-88-3	Toluene	ND	2500	700	U
100-41-4	Ethylbenzene	ND	2500	700	U
74-87-3	Chloromethane	ND	2500	700	U
74-83-9	Bromomethane	ND	2500	700	U
75-01-4	Vinyl chloride	ND	1000	71.	U
75-00-3	Chloroethane	ND	2500	700	U
75-35-4	1,1-Dichloroethene	ND	500	170	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	Lab Number	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	Project Number	: 2182207
Lab ID	: L2027694-05D	Date Collected	: 06/30/20 10:05
Client ID	: SB-MW-14	Date Received	: 06/30/20
Sample Location	: ROCHESTER, NY	Date Analyzed	: 07/01/20 17:22
Sample Matrix	: WATER	Dilution Factor	: 1000
Analytical Method	: 1,8260C	Analyst	: AJK
Lab File ID	: V22200701A22	Instrument ID	: VOA122
Sample Amount	: 0.01 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	2500	700	U
79-01-6	Trichloroethene	89000 J	500	180	
95-50-1	1,2-Dichlorobenzene	ND	2500	700	U
541-73-1	1,3-Dichlorobenzene	ND	2500	700	U
106-46-7	1,4-Dichlorobenzene	ND	2500	700	U
1634-04-4	Methyl tert butyl ether	ND	2500	700	U
179601-23-1	p/m-Xylene	ND	2500	700	U
95-47-6	o-Xylene	ND	2500	700	U
156-59-2	cis-1,2-Dichloroethene	ND	2500	700	U
100-42-5	Styrene	ND	2500	700	U
75-71-8	Dichlorodifluoromethane	ND	5000	1000	U
67-64-1	Acetone	ND	5000	1500	U
75-15-0	Carbon disulfide	ND	5000	1000	U
78-93-3	2-Butanone	ND	5000	1900	U
108-10-1	4-Methyl-2-pentanone	ND	5000	1000	U
591-78-6	2-Hexanone	ND UJ	5000	1000	U
74-97-5	Bromochloromethane	ND	2500	700	U
106-93-4	1,2-Dibromoethane	ND	2000	650	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2500	700	U
98-82-8	Isopropylbenzene	ND	2500	700	U
87-61-6	1,2,3-Trichlorobenzene	ND	2500	700	U
120-82-1	1,2,4-Trichlorobenzene	ND	2500	700	U
79-20-9	Methyl Acetate	ND	2000	230	U
110-82-7	Cyclohexane	ND	10000	270	U
123-91-1	1,4-Dioxane	ND UJ	250000	61000	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	Lab Number	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	Project Number	: 2182207
Lab ID	: L2027694-05D	Date Collected	: 06/30/20 10:05
Client ID	: SB-MW-14	Date Received	: 06/30/20
Sample Location	: ROCHESTER, NY	Date Analyzed	: 07/01/20 17:22
Sample Matrix	: WATER	Dilution Factor	: 1000
Analytical Method	: 1,8260C	Analyst	: AJK
Lab File ID	: V22200701A22	Instrument ID	: VOA122
Sample Amount	: 0.01 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
76-13-1	Freon-113	ND	2500	700	U
108-87-2	Methyl cyclohexane	ND	10000	400	U

Tentatively Identified Compounds
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	Lab Number	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	Project Number	: 2182207
Lab ID	: L2027694-05D	Date Collected	: 06/30/20 10:05
Client ID	: SB-MW-14	Date Received	: 06/30/20
Sample Location	: ROCHESTER, NY	Date Analyzed	: 07/01/20 17:22
Sample Matrix	: WATER	Dilution Factor	: 1000
Analytical Method	: 1,8260C	Analyst	: AJK
Lab File ID	: V22200701A22	Instrument ID	: VOA122
Sample Amount	: 0.01 ml	GC Column	: RTX-502.2
Level	:	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

Number TICS found: 0

Concentration Units: ug/L

CAS Number	Compound Name	RT	EST. CONC.	Qualifier
	NO TENTATIVELY IDENTIFIED COMPOUNDS			

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	Lab Number	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	Project Number	: 2182207
Lab ID	: L2027694-06D	Date Collected	: 06/30/20 11:00
Client ID	: R1MW-04	Date Received	: 06/30/20
Sample Location	: ROCHESTER, NY	Date Analyzed	: 07/01/20 18:11
Sample Matrix	: WATER	Dilution Factor	: 2.5
Analytical Method	: 1,8260C	Analyst	: AJK
Lab File ID	: V22200701A24	Instrument ID	: VOA122
Sample Amount	: 4 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	6.2	1.8	U
75-34-3	1,1-Dichloroethane	ND	6.2	1.8	U
67-66-3	Chloroform	ND	6.2	1.8	U
56-23-5	Carbon tetrachloride	ND	1.2	0.34	U
78-87-5	1,2-Dichloropropane	ND	2.5	0.34	U
124-48-1	Dibromochloromethane	ND	1.2	0.37	U
79-00-5	1,1,2-Trichloroethane	ND	3.8	1.2	U
127-18-4	Tetrachloroethene	130	1.2	0.45	
108-90-7	Chlorobenzene	ND	6.2	1.8	U
75-69-4	Trichlorofluoromethane	ND	6.2	1.8	U
107-06-2	1,2-Dichloroethane	ND	1.2	0.33	U
71-55-6	1,1,1-Trichloroethane	ND	6.2	1.8	U
75-27-4	Bromodichloromethane	ND	1.2	0.48	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.2	0.41	U
10061-01-5	cis-1,3-Dichloropropene	ND	1.2	0.36	U
75-25-2	Bromoform	ND	5.0	1.6	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.2	0.42	U
71-43-2	Benzene	ND	1.2	0.40	U
108-88-3	Toluene	ND	6.2	1.8	U
100-41-4	Ethylbenzene	ND	6.2	1.8	U
74-87-3	Chloromethane	ND	6.2	1.8	U
74-83-9	Bromomethane	~~ND~~ UJ	6.2	1.8	U
75-01-4	Vinyl chloride	11	2.5	0.18	
75-00-3	Chloroethane	ND	6.2	1.8	U
75-35-4	1,1-Dichloroethene	ND	1.2	0.42	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	Lab Number	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	Project Number	: 2182207
Lab ID	: L2027694-06D	Date Collected	: 06/30/20 11:00
Client ID	: R1MW-04	Date Received	: 06/30/20
Sample Location	: ROCHESTER, NY	Date Analyzed	: 07/01/20 18:11
Sample Matrix	: WATER	Dilution Factor	: 2.5
Analytical Method	: 1,8260C	Analyst	: AJK
Lab File ID	: V22200701A24	Instrument ID	: VOA122
Sample Amount	: 4 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	5.4	6.2	1.8	J
79-01-6	Trichloroethene	220 J	1.2	0.44	
95-50-1	1,2-Dichlorobenzene	ND	6.2	1.8	U
541-73-1	1,3-Dichlorobenzene	ND	6.2	1.8	U
106-46-7	1,4-Dichlorobenzene	ND	6.2	1.8	U
1634-04-4	Methyl tert butyl ether	ND	6.2	1.8	U
179601-23-1	p/m-Xylene	ND	6.2	1.8	U
95-47-6	o-Xylene	ND	6.2	1.8	U
156-59-2	cis-1,2-Dichloroethene	31	6.2	1.8	
100-42-5	Styrene	ND	6.2	1.8	U
75-71-8	Dichlorodifluoromethane	ND	12	2.5	U
67-64-1	Acetone	ND	12	3.6	U
75-15-0	Carbon disulfide	ND	12	2.5	U
78-93-3	2-Butanone	ND	12	4.8	U
108-10-1	4-Methyl-2-pentanone	ND	12	2.5	U
591-78-6	2-Hexanone	~~ND~~ UJ	12	2.5	U
74-97-5	Bromochloromethane	ND	6.2	1.8	U
106-93-4	1,2-Dibromoethane	ND	5.0	1.6	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	6.2	1.8	U
98-82-8	Isopropylbenzene	ND	6.2	1.8	U
87-61-6	1,2,3-Trichlorobenzene	ND	6.2	1.8	U
120-82-1	1,2,4-Trichlorobenzene	ND	6.2	1.8	U
79-20-9	Methyl Acetate	ND	5.0	0.58	U
110-82-7	Cyclohexane	ND	25	0.68	U
123-91-1	1,4-Dioxane	~~ND~~ UJ	620	150	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	Lab Number	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	Project Number	: 2182207
Lab ID	: L2027694-06D	Date Collected	: 06/30/20 11:00
Client ID	: R1MW-04	Date Received	: 06/30/20
Sample Location	: ROCHESTER, NY	Date Analyzed	: 07/01/20 18:11
Sample Matrix	: WATER	Dilution Factor	: 2.5
Analytical Method	: 1,8260C	Analyst	: AJK
Lab File ID	: V22200701A24	Instrument ID	: VOA122
Sample Amount	: 4 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
76-13-1	Freon-113	ND	6.2	1.8	U
108-87-2	Methyl cyclohexane	ND	25	0.99	U

Tentatively Identified Compounds
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	Lab Number	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	Project Number	: 2182207
Lab ID	: L2027694-06D	Date Collected	: 06/30/20 11:00
Client ID	: R1MW-04	Date Received	: 06/30/20
Sample Location	: ROCHESTER, NY	Date Analyzed	: 07/01/20 18:11
Sample Matrix	: WATER	Dilution Factor	: 2.5
Analytical Method	: 1,8260C	Analyst	: AJK
Lab File ID	: V22200701A24	Instrument ID	: VOA122
Sample Amount	: 4 ml	GC Column	: RTX-502.2
Level	:	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

Number TICS found: 11

Concentration Units: ug/L

CAS Number	Compound Name	RT	EST. CONC.	Qualifier
	Unknown	1.65	3.4	J
	Unknown Benzene	13.55	3.62	J
	Unknown Aromatic	13.86	3.32	J
	Unknown Aromatic	14.54	5.45	J
	Unknown Aromatic	14.68	5.55	J
	Unknown Aromatic	15.17	9.08	J
	Unknown Aromatic	15.31	9.75	J
	Unknown Naphthalene	16.11	8.05	J
	Unknown Naphthalene	16.24	8.45	J
	Unknown Naphthalene	16.28	3.8	J
	Total TIC Compounds		60.5J	J

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	Lab Number	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	Project Number	: 2182207
Lab ID	: L2027694-07D	Date Collected	: 06/30/20 11:20
Client ID	: R1MW-02	Date Received	: 06/30/20
Sample Location	: ROCHESTER, NY	Date Analyzed	: 07/01/20 18:36
Sample Matrix	: WATER	Dilution Factor	: 2
Analytical Method	: 1,8260C	Analyst	: AJK
Lab File ID	: V22200701A25	Instrument ID	: VOA122
Sample Amount	: 5 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	5.0	1.4	U
75-34-3	1,1-Dichloroethane	ND	5.0	1.4	U
67-66-3	Chloroform	ND	5.0	1.4	U
56-23-5	Carbon tetrachloride	ND	1.0	0.27	U
78-87-5	1,2-Dichloropropane	ND	2.0	0.27	U
124-48-1	Dibromochloromethane	ND	1.0	0.30	U
79-00-5	1,1,2-Trichloroethane	ND	3.0	1.0	U
127-18-4	Tetrachloroethene	23	1.0	0.36	
108-90-7	Chlorobenzene	ND	5.0	1.4	U
75-69-4	Trichlorofluoromethane	ND	5.0	1.4	U
107-06-2	1,2-Dichloroethane	ND	1.0	0.26	U
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.4	U
75-27-4	Bromodichloromethane	ND	1.0	0.38	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.33	U
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.29	U
75-25-2	Bromoform	ND	4.0	1.3	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.33	U
71-43-2	Benzene	ND	1.0	0.32	U
108-88-3	Toluene	ND	5.0	1.4	U
100-41-4	Ethylbenzene	ND	5.0	1.4	U
74-87-3	Chloromethane	ND	5.0	1.4	U
74-83-9	Bromomethane	ND	5.0	1.4	U
75-01-4	Vinyl chloride	0.84	2.0	0.14	J
75-00-3	Chloroethane	ND	5.0	1.4	U
75-35-4	1,1-Dichloroethene	ND	1.0	0.34	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	Lab Number	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	Project Number	: 2182207
Lab ID	: L2027694-07D	Date Collected	: 06/30/20 11:20
Client ID	: R1MW-02	Date Received	: 06/30/20
Sample Location	: ROCHESTER, NY	Date Analyzed	: 07/01/20 18:36
Sample Matrix	: WATER	Dilution Factor	: 2
Analytical Method	: 1,8260C	Analyst	: AJK
Lab File ID	: V22200701A25	Instrument ID	: VOA122
Sample Amount	: 5 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	5.0	1.4	U
79-01-6	Trichloroethene	98 J	1.0	0.35	
95-50-1	1,2-Dichlorobenzene	ND	5.0	1.4	U
541-73-1	1,3-Dichlorobenzene	ND	5.0	1.4	U
106-46-7	1,4-Dichlorobenzene	ND	5.0	1.4	U
1634-04-4	Methyl tert butyl ether	ND	5.0	1.4	U
179601-23-1	p/m-Xylene	ND	5.0	1.4	U
95-47-6	o-Xylene	ND	5.0	1.4	U
156-59-2	cis-1,2-Dichloroethene	4.8	5.0	1.4	J
100-42-5	Styrene	ND	5.0	1.4	U
75-71-8	Dichlorodifluoromethane	ND	10	2.0	U
67-64-1	Acetone	5.2 J	10	2.9	J
75-15-0	Carbon disulfide	ND	10	2.0	U
78-93-3	2-Butanone	ND	10	3.9	U
108-10-1	4-Methyl-2-pentanone	ND	10	2.0	U
591-78-6	2-Hexanone	ND UJ	10	2.0	U
74-97-5	Bromochloromethane	ND	5.0	1.4	U
106-93-4	1,2-Dibromoethane	ND	4.0	1.3	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	1.4	U
98-82-8	Isopropylbenzene	ND	5.0	1.4	U
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	1.4	U
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	1.4	U
79-20-9	Methyl Acetate	ND	4.0	0.47	U
110-82-7	Cyclohexane	ND	20	0.54	U
123-91-1	1,4-Dioxane	ND UJ	500	120	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	Lab Number	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	Project Number	: 2182207
Lab ID	: L2027694-07D	Date Collected	: 06/30/20 11:20
Client ID	: R1MW-02	Date Received	: 06/30/20
Sample Location	: ROCHESTER, NY	Date Analyzed	: 07/01/20 18:36
Sample Matrix	: WATER	Dilution Factor	: 2
Analytical Method	: 1,8260C	Analyst	: AJK
Lab File ID	: V22200701A25	Instrument ID	: VOA122
Sample Amount	: 5 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
76-13-1	Freon-113	ND	5.0	1.4	U
108-87-2	Methyl cyclohexane	0.81	20	0.79	J

Tentatively Identified Compounds
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	Lab Number	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	Project Number	: 2182207
Lab ID	: L2027694-07D	Date Collected	: 06/30/20 11:20
Client ID	: R1MW-02	Date Received	: 06/30/20
Sample Location	: ROCHESTER, NY	Date Analyzed	: 07/01/20 18:36
Sample Matrix	: WATER	Dilution Factor	: 2
Analytical Method	: 1,8260C	Analyst	: AJK
Lab File ID	: V22200701A25	Instrument ID	: VOA122
Sample Amount	: 5 ml	GC Column	: RTX-502.2
Level	:	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

Number TICS found: 11

Concentration Units: ug/L

CAS Number	Compound Name	RT	EST. CONC.	Qualifier
	Unknown Benzene	13.55	7.48	J
	Unknown Aromatic	13.87	6.8	J
	Unknown Aromatic	14.54	8.96	J
	Unknown	14.84	7.36	J
000629-59-4	Tetradecane	14.98	9.48	NJ
	Unknown Aromatic	15.17	11.9	J
	Unknown	15.31	11.4	J
	Unknown Naphthalene	16.11	12.1	J
	Unknown Naphthalene	16.24	12.4	J
	Unknown Naphthalene	16.28	5.8	J
	Total TIC Compounds		93.7J	J

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	Lab Number	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	Project Number	: 2182207
Lab ID	: L2027694-08D	Date Collected	: 06/30/20 11:45
Client ID	: SB-MW-16	Date Received	: 06/30/20
Sample Location	: ROCHESTER, NY	Date Analyzed	: 07/02/20 01:05
Sample Matrix	: WATER	Dilution Factor	: 2.5
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: VE200701N23	Instrument ID	: ELAINE
Sample Amount	: 4 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	6.2	1.8	U
75-34-3	1,1-Dichloroethane	ND	6.2	1.8	U
67-66-3	Chloroform	~~ND~~ UJ	6.2	1.8	U
56-23-5	Carbon tetrachloride	ND	1.2	0.34	U
78-87-5	1,2-Dichloropropane	ND	2.5	0.34	U
124-48-1	Dibromochloromethane	ND	1.2	0.37	U
79-00-5	1,1,2-Trichloroethane	ND	3.8	1.2	U
127-18-4	Tetrachloroethene	24	1.2	0.45	
108-90-7	Chlorobenzene	ND	6.2	1.8	U
75-69-4	Trichlorofluoromethane	ND	6.2	1.8	U
107-06-2	1,2-Dichloroethane	1.2 ~~0.48~~ U	1.2	0.33	J
71-55-6	1,1,1-Trichloroethane	ND	6.2	1.8	U
75-27-4	Bromodichloromethane	ND	1.2	0.48	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.2	0.41	U
10061-01-5	cis-1,3-Dichloropropene	ND	1.2	0.36	U
75-25-2	Bromoform	ND	5.0	1.6	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.2	0.42	U
71-43-2	Benzene	ND	1.2	0.40	U
108-88-3	Toluene	ND	6.2	1.8	U
100-41-4	Ethylbenzene	ND	6.2	1.8	U
74-87-3	Chloromethane	ND	6.2	1.8	U
74-83-9	Bromomethane	~~ND~~ UJ	6.2	1.8	U
75-01-4	Vinyl chloride	ND	2.5	0.18	U
75-00-3	Chloroethane	ND	6.2	1.8	U
75-35-4	1,1-Dichloroethene	0.60	1.2	0.42	J

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	Lab Number	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	Project Number	: 2182207
Lab ID	: L2027694-08D	Date Collected	: 06/30/20 11:45
Client ID	: SB-MW-16	Date Received	: 06/30/20
Sample Location	: ROCHESTER, NY	Date Analyzed	: 07/02/20 01:05
Sample Matrix	: WATER	Dilution Factor	: 2.5
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: VE200701N23	Instrument ID	: ELAINE
Sample Amount	: 4 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	6.2	1.8	U
79-01-6	Trichloroethene	350	1.2	0.44	
95-50-1	1,2-Dichlorobenzene	ND	6.2	1.8	U
541-73-1	1,3-Dichlorobenzene	ND	6.2	1.8	U
106-46-7	1,4-Dichlorobenzene	ND	6.2	1.8	U
1634-04-4	Methyl tert butyl ether	ND	6.2	1.8	U
179601-23-1	p/m-Xylene	ND	6.2	1.8	U
95-47-6	o-Xylene	ND	6.2	1.8	U
156-59-2	cis-1,2-Dichloroethene	17	6.2	1.8	
100-42-5	Styrene	ND	6.2	1.8	U
75-71-8	Dichlorodifluoromethane	ND	12	2.5	U
67-64-1	Acetone	ND	12	3.6	U
75-15-0	Carbon disulfide	ND	12	2.5	U
78-93-3	2-Butanone	ND	12	4.8	U
108-10-1	4-Methyl-2-pentanone	ND	12	2.5	U
591-78-6	2-Hexanone	~~ND~~ UJ	12	2.5	U
74-97-5	Bromochloromethane	ND	6.2	1.8	U
106-93-4	1,2-Dibromoethane	ND	5.0	1.6	U
96-12-8	1,2-Dibromo-3-chloropropane	~~ND~~ UJ	6.2	1.8	U
98-82-8	Isopropylbenzene	ND	6.2	1.8	U
87-61-6	1,2,3-Trichlorobenzene	ND	6.2	1.8	U
120-82-1	1,2,4-Trichlorobenzene	ND	6.2	1.8	U
79-20-9	Methyl Acetate	ND	5.0	0.58	U
110-82-7	Cyclohexane	ND	25	0.68	U
123-91-1	1,4-Dioxane	~~ND~~ UJ	620	150	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	Lab Number	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	Project Number	: 2182207
Lab ID	: L2027694-08D	Date Collected	: 06/30/20 11:45
Client ID	: SB-MW-16	Date Received	: 06/30/20
Sample Location	: ROCHESTER, NY	Date Analyzed	: 07/02/20 01:05
Sample Matrix	: WATER	Dilution Factor	: 2.5
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: VE200701N23	Instrument ID	: ELAINE
Sample Amount	: 4 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
76-13-1	Freon-113	ND	6.2	1.8	U
108-87-2	Methyl cyclohexane	ND	25	0.99	U

Tentatively Identified Compounds
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	Lab Number	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	Project Number	: 2182207
Lab ID	: L2027694-08D	Date Collected	: 06/30/20 11:45
Client ID	: SB-MW-16	Date Received	: 06/30/20
Sample Location	: ROCHESTER, NY	Date Analyzed	: 07/02/20 01:05
Sample Matrix	: WATER	Dilution Factor	: 2.5
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: VE200701N23	Instrument ID	: ELAINE
Sample Amount	: 4 ml	GC Column	: RTX-502.2
Level	:	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

Number TICS found: 0

Concentration Units: ug/L

CAS Number	Compound Name	RT	EST. CONC.	Qualifier
	NO TENTATIVELY IDENTIFIED COMPOUNDS			

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	Lab Number	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	Project Number	: 2182207
Lab ID	: L2027694-09D	Date Collected	: 06/30/20 12:30
Client ID	: RMW-16	Date Received	: 06/30/20
Sample Location	: ROCHESTER, NY	Date Analyzed	: 07/02/20 09:35
Sample Matrix	: WATER	Dilution Factor	: 25
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V08200702A08	Instrument ID	: VOA108
Sample Amount	: 0.4 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	62	18.	U
75-34-3	1,1-Dichloroethane	ND	62	18.	U
67-66-3	Chloroform	ND	62	18.	U
56-23-5	Carbon tetrachloride	ND	12	3.4	U
78-87-5	1,2-Dichloropropane	ND	25	3.4	U
124-48-1	Dibromochloromethane	ND	12	3.7	U
79-00-5	1,1,2-Trichloroethane	ND	38	12.	U
127-18-4	Tetrachloroethene	60	12	4.5	
108-90-7	Chlorobenzene	ND	62	18.	U
75-69-4	Trichlorofluoromethane	ND	62	18.	U
107-06-2	1,2-Dichloroethane	ND	12	3.3	U
71-55-6	1,1,1-Trichloroethane	ND	62	18.	U
75-27-4	Bromodichloromethane	ND	12	4.8	U
10061-02-6	trans-1,3-Dichloropropene	ND	12	4.1	U
10061-01-5	cis-1,3-Dichloropropene	ND	12	3.6	U
75-25-2	Bromoform	ND	50	16.	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	12	4.2	U
71-43-2	Benzene	ND	12	4.0	U
108-88-3	Toluene	ND	62	18.	U
100-41-4	Ethylbenzene	ND	62	18.	U
74-87-3	Chloromethane	ND	62	18.	U
74-83-9	Bromomethane	ND UJ	62	18.	U
75-01-4	Vinyl chloride	ND	25	1.8	U
75-00-3	Chloroethane	ND	62	18.	U
75-35-4	1,1-Dichloroethene	ND	12	4.2	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	Lab Number	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	Project Number	: 2182207
Lab ID	: L2027694-09D	Date Collected	: 06/30/20 12:30
Client ID	: RMW-16	Date Received	: 06/30/20
Sample Location	: ROCHESTER, NY	Date Analyzed	: 07/02/20 09:35
Sample Matrix	: WATER	Dilution Factor	: 25
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V08200702A08	Instrument ID	: VOA108
Sample Amount	: 0.4 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	62	18.	U
79-01-6	Trichloroethene	4400 J	12	4.4	
95-50-1	1,2-Dichlorobenzene	ND	62	18.	U
541-73-1	1,3-Dichlorobenzene	ND	62	18.	U
106-46-7	1,4-Dichlorobenzene	ND	62	18.	U
1634-04-4	Methyl tert butyl ether	ND	62	18.	U
179601-23-1	p/m-Xylene	ND	62	18.	U
95-47-6	o-Xylene	ND	62	18.	U
156-59-2	cis-1,2-Dichloroethene	ND	62	18.	U
100-42-5	Styrene	ND	62	18.	U
75-71-8	Dichlorodifluoromethane	~~ND~~ UJ	120	25.	U
67-64-1	Acetone	ND	120	36.	U
75-15-0	Carbon disulfide	ND	120	25.	U
78-93-3	2-Butanone	ND	120	48.	U
108-10-1	4-Methyl-2-pentanone	ND	120	25.	U
591-78-6	2-Hexanone	ND	120	25.	U
74-97-5	Bromochloromethane	ND	62	18.	U
106-93-4	1,2-Dibromoethane	ND	50	16.	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	62	18.	U
98-82-8	Isopropylbenzene	ND	62	18.	U
87-61-6	1,2,3-Trichlorobenzene	ND	62	18.	U
120-82-1	1,2,4-Trichlorobenzene	ND	62	18.	U
79-20-9	Methyl Acetate	ND	50	5.8	U
110-82-7	Cyclohexane	ND	250	6.8	U
123-91-1	1,4-Dioxane	~~ND~~ UJ	6200	1500	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	Lab Number	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	Project Number	: 2182207
Lab ID	: L2027694-09D	Date Collected	: 06/30/20 12:30
Client ID	: RMW-16	Date Received	: 06/30/20
Sample Location	: ROCHESTER, NY	Date Analyzed	: 07/02/20 09:35
Sample Matrix	: WATER	Dilution Factor	: 25
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V08200702A08	Instrument ID	: VOA108
Sample Amount	: 0.4 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
76-13-1	Freon-113	ND	62	18.	U
108-87-2	Methyl cyclohexane	ND	250	9.9	U

Tentatively Identified Compounds
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	Lab Number	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	Project Number	: 2182207
Lab ID	: L2027694-09D	Date Collected	: 06/30/20 12:30
Client ID	: RMW-16	Date Received	: 06/30/20
Sample Location	: ROCHESTER, NY	Date Analyzed	: 07/02/20 09:35
Sample Matrix	: WATER	Dilution Factor	: 25
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V08200702A08	Instrument ID	: VOA108
Sample Amount	: 0.4 ml	GC Column	: RTX-502.2
Level	:	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

Number TICS found: 0

Concentration Units: ug/L

CAS Number	Compound Name	RT	EST. CONC.	Qualifier
	NO TENTATIVELY IDENTIFIED COMPOUNDS			

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	Lab Number	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	Project Number	: 2182207
Lab ID	: L2027694-10	Date Collected	: 06/30/20 12:45
Client ID	: R1MW-19S	Date Received	: 06/30/20
Sample Location	: ROCHESTER, NY	Date Analyzed	: 07/02/20 00:43
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: VE200701N22	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	0.79 J	2.5	0.70	J
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	~~ND~~ UJ	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	Lab Number	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	Project Number	: 2182207
Lab ID	: L2027694-10	Date Collected	: 06/30/20 12:45
Client ID	: R1MW-19S	Date Received	: 06/30/20
Sample Location	: ROCHESTER, NY	Date Analyzed	: 07/02/20 00:43
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: VE200701N22	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	78 J	5.0	1.5	
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	4.5 J	5.0	1.9	J
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND UJ	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND UJ	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND UJ	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	Lab Number	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	Project Number	: 2182207
Lab ID	: L2027694-10	Date Collected	: 06/30/20 12:45
Client ID	: R1MW-19S	Date Received	: 06/30/20
Sample Location	: ROCHESTER, NY	Date Analyzed	: 07/02/20 00:43
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: VE200701N22	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Tentatively Identified Compounds
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	Lab Number	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	Project Number	: 2182207
Lab ID	: L2027694-10	Date Collected	: 06/30/20 12:45
Client ID	: R1MW-19S	Date Received	: 06/30/20
Sample Location	: ROCHESTER, NY	Date Analyzed	: 07/02/20 00:43
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: VE200701N22	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	:	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

Number TICS found: 0

Concentration Units: ug/L

CAS Number	Compound Name	RT	EST. CONC.	Qualifier
	NO TENTATIVELY IDENTIFIED COMPOUNDS			

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	Lab Number	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	Project Number	: 2182207
Lab ID	: L2027694-11D	Date Collected	: 06/30/20 13:00
Client ID	: R1MW-19D	Date Received	: 06/30/20
Sample Location	: ROCHESTER, NY	Date Analyzed	: 07/01/20 15:19
Sample Matrix	: WATER	Dilution Factor	: 10
Analytical Method	: 1,8260C	Analyst	: AJK
Lab File ID	: V22200701A17	Instrument ID	: VOA122
Sample Amount	: 1 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	25	7.0	U
75-34-3	1,1-Dichloroethane	ND	25	7.0	U
67-66-3	Chloroform	ND	25	7.0	U
56-23-5	Carbon tetrachloride	ND	5.0	1.3	U
78-87-5	1,2-Dichloropropane	ND	10	1.4	U
124-48-1	Dibromochloromethane	ND	5.0	1.5	U
79-00-5	1,1,2-Trichloroethane	ND	15	5.0	U
127-18-4	Tetrachloroethene	ND	5.0	1.8	U
108-90-7	Chlorobenzene	ND	25	7.0	U
75-69-4	Trichlorofluoromethane	ND	25	7.0	U
107-06-2	1,2-Dichloroethane	ND	5.0	1.3	U
71-55-6	1,1,1-Trichloroethane	ND	25	7.0	U
75-27-4	Bromodichloromethane	ND	5.0	1.9	U
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.6	U
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.4	U
75-25-2	Bromoform	ND	20	6.5	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.7	U
71-43-2	Benzene	ND	5.0	1.6	U
108-88-3	Toluene	ND	25	7.0	U
100-41-4	Ethylbenzene	ND	25	7.0	U
74-87-3	Chloromethane	ND	25	7.0	U
74-83-9	Bromomethane	~~ND~~ UJ	25	7.0	U
75-01-4	Vinyl chloride	ND	10	0.71	U
75-00-3	Chloroethane	ND	25	7.0	U
75-35-4	1,1-Dichloroethene	ND	5.0	1.7	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	Lab Number	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	Project Number	: 2182207
Lab ID	: L2027694-11D	Date Collected	: 06/30/20 13:00
Client ID	: R1MW-19D	Date Received	: 06/30/20
Sample Location	: ROCHESTER, NY	Date Analyzed	: 07/01/20 15:19
Sample Matrix	: WATER	Dilution Factor	: 10
Analytical Method	: 1,8260C	Analyst	: AJK
Lab File ID	: V22200701A17	Instrument ID	: VOA122
Sample Amount	: 1 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	25	7.0	U
79-01-6	Trichloroethene	~~ND~~ UJ	5.0	1.8	U
95-50-1	1,2-Dichlorobenzene	ND	25	7.0	U
541-73-1	1,3-Dichlorobenzene	ND	25	7.0	U
106-46-7	1,4-Dichlorobenzene	ND	25	7.0	U
1634-04-4	Methyl tert butyl ether	ND	25	7.0	U
179601-23-1	p/m-Xylene	ND	25	7.0	U
95-47-6	o-Xylene	ND	25	7.0	U
156-59-2	cis-1,2-Dichloroethene	ND	25	7.0	U
100-42-5	Styrene	ND	25	7.0	U
75-71-8	Dichlorodifluoromethane	ND	50	10.	U
67-64-1	Acetone	94 J	50	15.	
75-15-0	Carbon disulfide	ND	50	10.	U
78-93-3	2-Butanone	ND	50	19.	U
108-10-1	4-Methyl-2-pentanone	ND	50	10.	U
591-78-6	2-Hexanone	~~ND~~ UJ	50	10.	U
74-97-5	Bromochloromethane	ND	25	7.0	U
106-93-4	1,2-Dibromoethane	ND	20	6.5	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	25	7.0	U
98-82-8	Isopropylbenzene	ND	25	7.0	U
87-61-6	1,2,3-Trichlorobenzene	ND	25	7.0	U
120-82-1	1,2,4-Trichlorobenzene	ND	25	7.0	U
79-20-9	Methyl Acetate	ND	20	2.3	U
110-82-7	Cyclohexane	ND	100	2.7	U
123-91-1	1,4-Dioxane	~~ND~~ UJ	2500	610	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	Lab Number	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	Project Number	: 2182207
Lab ID	: L2027694-11D	Date Collected	: 06/30/20 13:00
Client ID	: R1MW-19D	Date Received	: 06/30/20
Sample Location	: ROCHESTER, NY	Date Analyzed	: 07/01/20 15:19
Sample Matrix	: WATER	Dilution Factor	: 10
Analytical Method	: 1,8260C	Analyst	: AJK
Lab File ID	: V22200701A17	Instrument ID	: VOA122
Sample Amount	: 1 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
76-13-1	Freon-113	ND	25	7.0	U
108-87-2	Methyl cyclohexane	ND	100	4.0	U

Tentatively Identified Compounds
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	Lab Number	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	Project Number	: 2182207
Lab ID	: L2027694-11D	Date Collected	: 06/30/20 13:00
Client ID	: R1MW-19D	Date Received	: 06/30/20
Sample Location	: ROCHESTER, NY	Date Analyzed	: 07/01/20 15:19
Sample Matrix	: WATER	Dilution Factor	: 10
Analytical Method	: 1,8260C	Analyst	: AJK
Lab File ID	: V22200701A17	Instrument ID	: VOA122
Sample Amount	: 1 ml	GC Column	: RTX-502.2
Level	:	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

Number TICS found: 2

Concentration Units: ug/L

CAS Number	Compound Name	RT	EST. CONC.	Qualifier
000124-19-6	Nonanal	13.35	19.1	NJ
	Total TIC Compounds		19.1J	J

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	Lab Number	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	Project Number	: 2182207
Lab ID	: L2027694-12D	Date Collected	: 06/30/20 00:00
Client ID	: QA/QC	Date Received	: 06/30/20
Sample Location	: ROCHESTER, NY	Date Analyzed	: 07/02/20 01:26
Sample Matrix	: WATER	Dilution Factor	: 50
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: VE200701N24	Instrument ID	: ELAINE
Sample Amount	: 0.2 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	120	35.	U
75-34-3	1,1-Dichloroethane	ND	120	35.	U
67-66-3	Chloroform	ND UJ	120	35.	U
56-23-5	Carbon tetrachloride	ND	25	6.7	U
78-87-5	1,2-Dichloropropane	ND	50	6.8	U
124-48-1	Dibromochloromethane	ND	25	7.4	U
79-00-5	1,1,2-Trichloroethane	ND	75	25.	U
127-18-4	Tetrachloroethene	15	25	9.0	J
108-90-7	Chlorobenzene	ND	120	35.	U
75-69-4	Trichlorofluoromethane	ND	120	35.	U
107-06-2	1,2-Dichloroethane	ND	25	6.6	U
71-55-6	1,1,1-Trichloroethane	ND	120	35.	U
75-27-4	Bromodichloromethane	ND	25	9.6	U
10061-02-6	trans-1,3-Dichloropropene	ND	25	8.2	U
10061-01-5	cis-1,3-Dichloropropene	ND	25	7.2	U
75-25-2	Bromoform	ND	100	32.	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	25	8.4	U
71-43-2	Benzene	ND	25	8.0	U
108-88-3	Toluene	ND	120	35.	U
100-41-4	Ethylbenzene	ND	120	35.	U
74-87-3	Chloromethane	ND	120	35.	U
74-83-9	Bromomethane	ND UJ	120	35.	U
75-01-4	Vinyl chloride	ND	50	3.6	U
75-00-3	Chloroethane	ND	120	35.	U
75-35-4	1,1-Dichloroethene	ND	25	8.4	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	Lab Number	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	Project Number	: 2182207
Lab ID	: L2027694-12D	Date Collected	: 06/30/20 00:00
Client ID	: QA/QC	Date Received	: 06/30/20
Sample Location	: ROCHESTER, NY	Date Analyzed	: 07/02/20 01:26
Sample Matrix	: WATER	Dilution Factor	: 50
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: VE200701N24	Instrument ID	: ELAINE
Sample Amount	: 0.2 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	120	35.	U
79-01-6	Trichloroethene	6000	25	8.8	
95-50-1	1,2-Dichlorobenzene	ND	120	35.	U
541-73-1	1,3-Dichlorobenzene	ND	120	35.	U
106-46-7	1,4-Dichlorobenzene	ND	120	35.	U
1634-04-4	Methyl tert butyl ether	ND	120	35.	U
179601-23-1	p/m-Xylene	ND	120	35.	U
95-47-6	o-Xylene	ND	120	35.	U
156-59-2	cis-1,2-Dichloroethene	230	120	35.	
100-42-5	Styrene	ND	120	35.	U
75-71-8	Dichlorodifluoromethane	ND	250	50.	U
67-64-1	Acetone	ND	250	73.	U
75-15-0	Carbon disulfide	ND	250	50.	U
78-93-3	2-Butanone	ND	250	97.	U
108-10-1	4-Methyl-2-pentanone	ND	250	50.	U
591-78-6	2-Hexanone	~~ND~~ UJ	250	50.	U
74-97-5	Bromochloromethane	ND	120	35.	U
106-93-4	1,2-Dibromoethane	ND	100	32.	U
96-12-8	1,2-Dibromo-3-chloropropane	~~ND~~ UJ	120	35.	U
98-82-8	Isopropylbenzene	ND	120	35.	U
87-61-6	1,2,3-Trichlorobenzene	ND	120	35.	U
120-82-1	1,2,4-Trichlorobenzene	ND	120	35.	U
79-20-9	Methyl Acetate	ND	100	12.	U
110-82-7	Cyclohexane	ND	500	14.	U
123-91-1	1,4-Dioxane	~~ND~~ UJ	12000	3000	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	Lab Number	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	Project Number	: 2182207
Lab ID	: L2027694-12D	Date Collected	: 06/30/20 00:00
Client ID	: QA/QC	Date Received	: 06/30/20
Sample Location	: ROCHESTER, NY	Date Analyzed	: 07/02/20 01:26
Sample Matrix	: WATER	Dilution Factor	: 50
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: VE200701N24	Instrument ID	: ELAINE
Sample Amount	: 0.2 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
76-13-1	Freon-113	ND	120	35.	U
108-87-2	Methyl cyclohexane	ND	500	20.	U

Tentatively Identified Compounds
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	Lab Number	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	Project Number	: 2182207
Lab ID	: L2027694-12D	Date Collected	: 06/30/20 00:00
Client ID	: QA/QC	Date Received	: 06/30/20
Sample Location	: ROCHESTER, NY	Date Analyzed	: 07/02/20 01:26
Sample Matrix	: WATER	Dilution Factor	: 50
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: VE200701N24	Instrument ID	: ELAINE
Sample Amount	: 0.2 ml	GC Column	: RTX-502.2
Level	:	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

Number TICS found: 0

Concentration Units: ug/L

CAS Number	Compound Name	RT	EST. CONC.	Qualifier
	NO TENTATIVELY IDENTIFIED COMPOUNDS			

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	Lab Number	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	Project Number	: 2182207
Lab ID	: L2027694-13	Date Collected	: 06/30/20 14:00
Client ID	: TRIP BLANK	Date Received	: 06/30/20
Sample Location	: ROCHESTER, NY	Date Analyzed	: 07/01/20 14:55
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: AJK
Lab File ID	: V22200701A16	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	Lab Number	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	Project Number	: 2182207
Lab ID	: L2027694-13	Date Collected	: 06/30/20 14:00
Client ID	: TRIP BLANK	Date Received	: 06/30/20
Sample Location	: ROCHESTER, NY	Date Analyzed	: 07/01/20 14:55
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: AJK
Lab File ID	: V22200701A16	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	~~ND~~ UJ	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	~~ND~~ UJ	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	~~ND~~ UJ	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	Lab Number	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	Project Number	: 2182207
Lab ID	: L2027694-13	Date Collected	: 06/30/20 14:00
Client ID	: TRIP BLANK	Date Received	: 06/30/20
Sample Location	: ROCHESTER, NY	Date Analyzed	: 07/01/20 14:55
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: AJK
Lab File ID	: V22200701A16	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Tentatively Identified Compounds
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	Lab Number	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	Project Number	: 2182207
Lab ID	: L2027694-13	Date Collected	: 06/30/20 14:00
Client ID	: TRIP BLANK	Date Received	: 06/30/20
Sample Location	: ROCHESTER, NY	Date Analyzed	: 07/01/20 14:55
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: AJK
Lab File ID	: V22200701A16	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	:	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

Number TICS found: 0

Concentration Units: ug/L

CAS Number	Compound Name	RT	EST. CONC.	Qualifier
	NO TENTATIVELY IDENTIFIED COMPOUNDS			

Surrogate Recovery Summary
Form 2
Volatiles

Client: LaBella Associates, P.C.
Project Name: FORMER WOLLENSACK OPTICAL

Lab Number: L2027694
Project Number: 2182207
Matrix: Water

CLIENT ID (LAB SAMPLE NO.)	SMC1 DCA	SMC2 TOL	SMC3 BFB	SMC4 DBFM	TOT OUT
SB-MW-07 (6-29-2020) (L2027694-01D)	114	105	101	97	0
SB-MW-15 (6-29-2020) (L2027694-02D)	105	104	98	94	0
BW-03 (6-29-2020) (L2027694-03D)	111	93	90	106	0
BW-01 (L2027694-04D)	109	96	89	107	0
SB-MW-14 (L2027694-05D)	113	96	90	108	0
R1MW-04 (L2027694-06D)	111	95	89	107	0
R1MW-02 (L2027694-07D)	110	93	91	108	0
SB-MW-16 (L2027694-08D)	101	97	95	89	0
RMW-16 (L2027694-09D)	108	106	102	94	0
R1MW-19S (L2027694-10)	97	98	95	102	0
R1MW-19D (L2027694-11D)	109	95	90	107	0
QA/QC (L2027694-12D)	97	97	94	102	0
TRIP BLANK (L2027694-13)	110	96	92	106	0
WG1388388-3LCS	110	94	86	107	0
WG1388388-4LCSD	105	95	89	107	0
WG1388388-5BLANK	107	95	89	107	0
BW-01MS	107	94	88	106	0
BW-01MSD	109	93	89	107	0
WG1388497-3LCS	98	99	92	113	0
WG1388497-4LCSD	100	110	92	93	0
WG1388497-5BLANK	96	97	91	100	0
WG1388512-3LCS	104	105	98	94	0
WG1388512-4LCSD	104	104	98	96	0
WG1388512-5BLANK	111	103	101	98	0

QC LIMITS

(70-130) DCA = 1,2-DICHLOROETHANE-D4
(70-130) TOL = TOLUENE-D8
(70-130) BFB = 4-BROMOFLUOROBENZENE
(70-130) DBFM = DIBROMOFLUOROMETHANE

* Values outside of QC limits

FORM II NYTCL-8260-R2

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: LaBella Associates, P.C.	Lab Number	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	Project Number	: 2182207
Matrix	: WATER		
LCS Sample ID	: WG1388388-3 Analysis Date : 07/01/20 08:46	File ID	: V22200701A01
LCSD Sample ID	: WG1388388-4 Analysis Date : 07/01/20 09:10	File ID	: V22200701A02

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Methylene chloride	10	9.7	97	10	9.2	92	5	70-130	20
1,1-Dichloroethane	10	11	110	10	10	100	10	70-130	20
Chloroform	10	10	100	10	10	100	0	70-130	20
Carbon tetrachloride	10	10	100	10	10	100	0	63-132	20
1,2-Dichloropropane	10	9.8	98	10	9.6	96	2	70-130	20
Dibromochloromethane	10	9.5	95	10	9.2	92	3	63-130	20
1,1,2-Trichloroethane	10	8.6	86	10	8.6	86	0	70-130	20
Tetrachloroethene	10	9.5	95	10	9.6	96	1	70-130	20
Chlorobenzene	10	9.5	95	10	9.6	96	1	75-130	20
Trichlorofluoromethane	10	11	110	10	10	100	10	62-150	20
1,2-Dichloroethane	10	11	110	10	10	100	10	70-130	20
1,1,1-Trichloroethane	10	11	110	10	10	100	10	67-130	20
Bromodichloromethane	10	9.5	95	10	9.3	93	2	67-130	20
trans-1,3-Dichloropropene	10	8.7	87	10	8.4	84	4	70-130	20
cis-1,3-Dichloropropene	10	8.9	89	10	8.5	85	5	70-130	20
Bromoform	10	9.0	90	10	8.9	89	1	54-136	20
1,1,2,2-Tetrachloroethane	10	8.4	84	10	8.3	83	1	67-130	20
Benzene	10	9.0	90	10	8.7	87	3	70-130	20
Toluene	10	9.1	91	10	9.1	91	0	70-130	20
Ethylbenzene	10	9.3	93	10	9.2	92	1	70-130	20
Chloromethane	10	11	110	10	11	110	0	64-130	20
Bromomethane	10	5.8	58	10	5.8	58	0	39-139	20
Vinyl chloride	10	9.5	95	10	9.0	90	5	55-140	20
Chloroethane	10	9.8	98	10	9.0	90	9	55-138	20
1,1-Dichloroethene	10	10	100	10	9.5	95	5	61-145	20
trans-1,2-Dichloroethene	10	10	100	10	9.8	98	2	70-130	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: LaBella Associates, P.C.	Lab Number	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	Project Number	: 2182207
Matrix	: WATER		
LCS Sample ID	: WG1388388-3 Analysis Date : 07/01/20 08:46	File ID	: V22200701A01
LCSD Sample ID	: WG1388388-4 Analysis Date : 07/01/20 09:10	File ID	: V22200701A02

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Trichloroethene	10	9.2	92	10	8.9	89	3	70-130	20
1,2-Dichlorobenzene	10	9.7	97	10	9.6	96	1	70-130	20
1,3-Dichlorobenzene	10	9.8	98	10	9.8	98	0	70-130	20
1,4-Dichlorobenzene	10	9.7	97	10	9.6	96	1	70-130	20
Methyl tert butyl ether	10	9.0	90	10	8.4	84	7	63-130	20
p/m-Xylene	20	19	95	20	19	95	0	70-130	20
o-Xylene	20	19	95	20	19	95	0	70-130	20
cis-1,2-Dichloroethene	10	10	100	10	9.9	99	1	70-130	20
Styrene	20	19	95	20	19	95	0	70-130	20
Dichlorodifluoromethane	10	9.4	94	10	9.2	92	2	36-147	20
Acetone	10	12	120	10	11	110	9	58-148	20
Carbon disulfide	10	9.8	98	10	9.4	94	4	51-130	20
2-Butanone	10	12	120	10	9.9	99	19	63-138	20
4-Methyl-2-pentanone	10	8.4	84	10	7.5	75	11	59-130	20
2-Hexanone	10	7.5	75	10	6.8	68	10	57-130	20
Bromochloromethane	10	10	100	10	10	100	0	70-130	20
1,2-Dibromoethane	10	8.9	89	10	8.5	85	5	70-130	20
1,2-Dibromo-3-chloropropane	10	8.6	86	10	7.9	79	8	41-144	20
Isopropylbenzene	10	9.1	91	10	8.9	89	2	70-130	20
1,2,3-Trichlorobenzene	10	9.3	93	10	9.3	93	0	70-130	20
1,2,4-Trichlorobenzene	10	9.4	94	10	9.2	92	2	70-130	20
Methyl Acetate	10	11	110	10	9.8	98	12	70-130	20
Cyclohexane	10	10	100	10	9.8	98	2	70-130	20
1,4-Dioxane	500	750	150	500	700	140	7	56-162	20
Freon-113	10	10	100	10	10	100	0	70-130	20
Methyl cyclohexane	10	8.9	89	10	8.6	86	3	70-130	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: LaBella Associates, P.C.	Lab Number	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	Project Number	: 2182207
Matrix	: WATER		
LCS Sample ID	: WG1388497-3 Analysis Date : 07/01/20 17:15	File ID	: VE200701N01
LCSD Sample ID	: WG1388497-4 Analysis Date : 07/01/20 17:36	File ID	: VE200701N02

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Methylene chloride	10	11	110	10	10	100	10	70-130	20
1,1-Dichloroethane	10	12	120	10	11	110	9	70-130	20
Chloroform	10	11	110	10	10	100	10	70-130	20
Carbon tetrachloride	10	10	100	10	10	100	0	63-132	20
1,2-Dichloropropane	10	12	120	10	11	110	9	70-130	20
Dibromochloromethane	10	8.1	81	10	10	100	21	63-130	20
1,1,2-Trichloroethane	10	9.4	94	10	11	110	16	70-130	20
Tetrachloroethene	10	9.8	98	10	12	120	20	70-130	20
Chlorobenzene	10	10	100	10	11	110	10	75-130	20
Trichlorofluoromethane	10	12	120	10	11	110	9	62-150	20
1,2-Dichloroethane	10	9.9	99	10	10	100	1	70-130	20
1,1,1-Trichloroethane	10	10	100	10	9.7	97	3	67-130	20
Bromodichloromethane	10	10	100	10	9.7	97	3	67-130	20
trans-1,3-Dichloropropene	10	7.9	79	10	9.6	96	19	70-130	20
cis-1,3-Dichloropropene	10	9.8	98	10	9.8	98	0	70-130	20
Bromoform	10	7.1	71	10	8.2	82	14	54-136	20
1,1,2,2-Tetrachloroethane	10	8.1	81	10	9.3	93	14	67-130	20
Benzene	10	10	100	10	9.9	99	1	70-130	20
Toluene	10	9.7	97	10	11	110	13	70-130	20
Ethylbenzene	10	9.7	97	10	10	100	3	70-130	20
Chloromethane	10	12	120	10	10	100	18	64-130	20
Bromomethane	10	12	120	10	9.9	99	19	39-139	20
Vinyl chloride	10	12	120	10	9.6	96	22	55-140	20
Chloroethane	10	13	130	10	12	120	8	55-138	20
1,1-Dichloroethene	10	12	120	10	11	110	9	61-145	20
trans-1,2-Dichloroethene	10	12	120	10	12	120	0	70-130	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: LaBella Associates, P.C.	Lab Number	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	Project Number	: 2182207
Matrix	: WATER		
LCS Sample ID	: WG1388497-3 Analysis Date : 07/01/20 17:15	File ID	: VE200701N01
LCSD Sample ID	: WG1388497-4 Analysis Date : 07/01/20 17:36	File ID	: VE200701N02

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Trichloroethene	10	11	110	10	12	120	9	70-130	20
1,2-Dichlorobenzene	10	9.5	95	10	10	100	5	70-130	20
1,3-Dichlorobenzene	10	10	100	10	11	110	10	70-130	20
1,4-Dichlorobenzene	10	9.6	96	10	10	100	4	70-130	20
Methyl tert butyl ether	10	9.1	91	10	9.1	91	0	63-130	20
p/m-Xylene	20	20	100	20	21	105	5	70-130	20
o-Xylene	20	20	100	20	24	120	18	70-130	20
cis-1,2-Dichloroethene	10	13	130	10	11	110	17	70-130	20
Styrene	20	20	100	20	23	115	14	70-130	20
Dichlorodifluoromethane	10	9.1	91	10	8.0	80	13	36-147	20
Acetone	10	10	100	10	9.1	91	9	58-148	20
Carbon disulfide	10	11	110	10	11	110	0	51-130	20
2-Butanone	10	7.7	77	10	11	110	35	63-138	20
4-Methyl-2-pentanone	10	7.1	71	10	9.4	94	28	59-130	20
2-Hexanone	10	6.7	67	10	7.7	77	14	57-130	20
Bromochloromethane	10	12	120	10	11	110	9	70-130	20
1,2-Dibromoethane	10	8.4	84	10	11	110	27	70-130	20
1,2-Dibromo-3-chloropropane	10	6.2	62	10	7.6	76	20	41-144	20
Isopropylbenzene	10	9.6	96	10	10	100	4	70-130	20
1,2,3-Trichlorobenzene	10	8.8	88	10	9.4	94	7	70-130	20
1,2,4-Trichlorobenzene	10	9.0	90	10	9.7	97	7	70-130	20
Methyl Acetate	10	11	110	10	10	100	10	70-130	20
Cyclohexane	10	12	120	10	10	100	18	70-130	20
1,4-Dioxane	500	360	72	500	330	66	9	56-162	20
Freon-113	10	12	120	10	11	110	9	70-130	20
Methyl cyclohexane	10	9.8	98	10	10	100	2	70-130	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: LaBella Associates, P.C.	Lab Number	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	Project Number	: 2182207
Matrix	: WATER		
LCS Sample ID	: WG1388512-3 Analysis Date : 07/02/20 06:58	File ID	: V08200702A01
LCSD Sample ID	: WG1388512-4 Analysis Date : 07/02/20 07:20	File ID	: V08200702A02

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Methylene chloride	10	9.0	90	10	8.8	88	2	70-130	20
1,1-Dichloroethane	10	9.9	99	10	9.6	96	3	70-130	20
Chloroform	10	9.0	90	10	8.7	87	3	70-130	20
Carbon tetrachloride	10	9.2	92	10	8.8	88	4	63-132	20
1,2-Dichloropropane	10	8.9	89	10	8.8	88	1	70-130	20
Dibromochloromethane	10	9.2	92	10	8.9	89	3	63-130	20
1,1,2-Trichloroethane	10	9.3	93	10	8.8	88	6	70-130	20
Tetrachloroethene	10	9.9	99	10	9.4	94	5	70-130	20
Chlorobenzene	10	10	100	10	9.7	97	3	75-130	20
Trichlorofluoromethane	10	9.6	96	10	9.4	94	2	62-150	20
1,2-Dichloroethane	10	9.4	94	10	9.4	94	0	70-130	20
1,1,1-Trichloroethane	10	9.0	90	10	8.9	89	1	67-130	20
Bromodichloromethane	10	8.3	83	10	8.0	80	4	67-130	20
trans-1,3-Dichloropropene	10	8.8	88	10	8.7	87	1	70-130	20
cis-1,3-Dichloropropene	10	8.4	84	10	8.2	82	2	70-130	20
Bromoform	10	8.9	89	10	8.6	86	3	54-136	20
1,1,2,2-Tetrachloroethane	10	9.2	92	10	8.8	88	4	67-130	20
Benzene	10	9.0	90	10	8.8	88	2	70-130	20
Toluene	10	10	100	10	9.5	95	5	70-130	20
Ethylbenzene	10	10	100	10	9.7	97	3	70-130	20
Chloromethane	10	7.9	79	10	7.5	75	5	64-130	20
Bromomethane	10	7.4	74	10	7.9	79	7	39-139	20
Vinyl chloride	10	8.9	89	10	8.5	85	5	55-140	20
Chloroethane	10	10	100	10	9.9	99	1	55-138	20
1,1-Dichloroethene	10	9.4	94	10	9.0	90	4	61-145	20
trans-1,2-Dichloroethene	10	9.0	90	10	8.8	88	2	70-130	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: LaBella Associates, P.C.	Lab Number	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	Project Number	: 2182207
Matrix	: WATER		
LCS Sample ID	: WG1388512-3 Analysis Date : 07/02/20 06:58	File ID	: V08200702A01
LCSD Sample ID	: WG1388512-4 Analysis Date : 07/02/20 07:20	File ID	: V08200702A02

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Trichloroethene	10	8.4	84	10	8.3	83	1	70-130	20
1,2-Dichlorobenzene	10	10	100	10	10	100	0	70-130	20
1,3-Dichlorobenzene	10	11	110	10	9.9	99	11	70-130	20
1,4-Dichlorobenzene	10	11	110	10	9.8	98	12	70-130	20
Methyl tert butyl ether	10	8.6	86	10	8.5	85	1	63-130	20
p/m-Xylene	20	20	100	20	19	95	5	70-130	20
o-Xylene	20	20	100	20	20	100	0	70-130	20
cis-1,2-Dichloroethene	10	9.0	90	10	8.9	89	1	70-130	20
Styrene	20	20	100	20	19	95	5	70-130	20
Dichlorodifluoromethane	10	6.6	66	10	6.2	62	6	36-147	20
Acetone	10	8.7	87	10	8.6	86	1	58-148	20
Carbon disulfide	10	9.1	91	10	8.8	88	3	51-130	20
2-Butanone	10	8.8	88	10	9.1	91	3	63-138	20
4-Methyl-2-pentanone	10	8.1	81	10	7.9	79	3	59-130	20
2-Hexanone	10	8.4	84	10	8.6	86	2	57-130	20
Bromochloromethane	10	9.6	96	10	9.1	91	5	70-130	20
1,2-Dibromoethane	10	9.3	93	10	9.2	92	1	70-130	20
1,2-Dibromo-3-chloropropane	10	8.4	84	10	8.0	80	5	41-144	20
Isopropylbenzene	10	10	100	10	9.8	98	2	70-130	20
1,2,3-Trichlorobenzene	10	9.4	94	10	9.2	92	2	70-130	20
1,2,4-Trichlorobenzene	10	9.7	97	10	9.1	91	6	70-130	20
Methyl Acetate	10	8.0	80	10	8.2	82	2	70-130	20
Cyclohexane	10	9.1	91	10	8.9	89	2	70-130	20
1,4-Dioxane	500	490	98	500	470	94	4	56-162	20
Freon-113	10	9.9	99	10	9.5	95	4	70-130	20
Methyl cyclohexane	10	8.8	88	10	8.5	85	3	70-130	20

Matrix Spike Sample Summary
Form 3
Volatiles

Client	: LaBella Associates, P.C.	Lab Number	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	Project Number	: 2182207
Client Sample ID	: BW-01	Matrix	: WATER
Lab Sample ID	: L2027694-04	Analysis Date	: 07/01/20 16:57
Matrix Spike	: WG1388388-6	MS Analysis Date	: 07/01/20 19:01
Matrix Spike Dup	: WG1388388-7	MSD Analysis Date	: 07/01/20 19:25

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Methylene chloride	ND	500	470	94	500	480	96	2	70-130	20
1,1-Dichloroethane	ND	500	530	106	500	540	108	2	70-130	20
Chloroform	ND	500	510	102	500	520	104	2	70-130	20
Carbon tetrachloride	ND	500	510	102	500	530	106	4	63-132	20
1,2-Dichloropropane	ND	500	480	96	500	500	100	4	70-130	20
Dibromochloromethane	ND	500	450	90	500	460	92	2	63-130	20
1,1,2-Trichloroethane	ND	500	430	86	500	440	88	2	70-130	20
Tetrachloroethene	14J	500	490	98	500	500	100	2	70-130	20
Chlorobenzene	ND	500	470	94	500	480	96	2	75-130	20
Trichlorofluoromethane	ND	500	560	112	500	570	114	2	62-150	20
1,2-Dichloroethane	ND	500	530	106	500	540	108	2	70-130	20
1,1,1-Trichloroethane	ND	500	530	106	500	550	110	4	67-130	20
Bromodichloromethane	ND	500	460	92	500	490	98	6	67-130	20
trans-1,3-Dichloropropene	ND	500	370	74	500	390	78	5	70-130	20
cis-1,3-Dichloropropene	ND	500	400	80	500	420	84	5	70-130	20
Bromoform	ND	500	420	84	500	450	90	7	54-136	20
1,1,2,2-Tetrachloroethane	ND	500	400	80	500	430	86	7	67-130	20
Benzene	ND	500	450	90	500	460	92	2	70-130	20
Toluene	ND	500	450	90	500	460	92	2	70-130	20
Ethylbenzene	ND	500	450	90	500	460	92	2	70-130	20
Chloromethane	ND	500	550	110	500	570	114	4	64-130	20
Bromomethane	ND	500	150	30 Q	500	190	38 Q	24 Q	39-139	20

Matrix Spike Sample Summary
Form 3
Volatiles

Client	: LaBella Associates, P.C.	Lab Number	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	Project Number	: 2182207
Client Sample ID	: BW-01	Matrix	: WATER
Lab Sample ID	: L2027694-04	Analysis Date	: 07/01/20 16:57
Matrix Spike	: WG1388388-6	MS Analysis Date	: 07/01/20 19:01
Matrix Spike Dup	: WG1388388-7	MSD Analysis Date	: 07/01/20 19:25

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Vinyl chloride	ND	500	490	98	500	500	100	2	55-140	20
Chloroethane	ND	500	480	96	500	500	100	4	55-138	20
1,1-Dichloroethene	ND	500	500	100	500	520	104	4	61-145	20
trans-1,2-Dichloroethene	ND	500	520	104	500	540	108	4	70-130	20
Trichloroethene	5400	500	5500	20 Q	500	5400	0 Q	2	70-130	20
1,2-Dichlorobenzene	ND	500	460	92	500	490	98	6	70-130	20
1,3-Dichlorobenzene	ND	500	470	94	500	490	98	4	70-130	20
1,4-Dichlorobenzene	ND	500	470	94	500	480	96	2	70-130	20
Methyl tert butyl ether	ND	500	420	84	500	430	86	2	63-130	20
p/m-Xylene	ND	1000	940	94	1000	950	95	1	70-130	20
o-Xylene	ND	1000	920	92	1000	930	93	1	70-130	20
cis-1,2-Dichloroethene	220	500	700	96	500	720	100	3	70-130	20
Styrene	ND	1000	900	90	1000	930	93	3	70-130	20
Dichlorodifluoromethane	ND	500	490	98	500	500	100	2	36-147	20
Acetone	ND	500	650	130	500	660	132	2	58-148	20
Carbon disulfide	ND	500	480	96	500	500	100	4	51-130	20
2-Butanone	ND	500	490	98	500	530	106	8	63-138	20
4-Methyl-2-pentanone	ND	500	390	78	500	410	82	5	59-130	20
2-Hexanone	ND	500	350	70	500	370	74	6	57-130	20
Bromochloromethane	ND	500	500	100	500	520	104	4	70-130	20
1,2-Dibromoethane	ND	500	430	86	500	450	90	5	70-130	20
1,2-Dibromo-3-chloropropane	ND	500	400	80	500	420	84	5	41-144	20

Matrix Spike Sample Summary
Form 3
Volatiles

Client	: LaBella Associates, P.C.	Lab Number	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	Project Number	: 2182207
Client Sample ID	: BW-01	Matrix	: WATER
Lab Sample ID	: L2027694-04	Analysis Date	: 07/01/20 16:57
Matrix Spike	: WG1388388-6	MS Analysis Date	: 07/01/20 19:01
Matrix Spike Dup	: WG1388388-7	MSD Analysis Date	: 07/01/20 19:25

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Isopropylbenzene	ND	500	430	86	500	440	88	2	70-130	20
1,2,3-Trichlorobenzene	ND	500	430	86	500	460	92	7	70-130	20
1,2,4-Trichlorobenzene	ND	500	430	86	500	460	92	7	70-130	20
Methyl Acetate	ND	500	470	94	500	500	100	6	70-130	20
Cyclohexane	ND	500	520	104	500	520	104	0	70-130	20
1,4-Dioxane	ND	25000	38000	152	25000	40000	160	5	56-162	20
Freon-113	ND	500	530	106	500	540	108	2	70-130	20
Methyl cyclohexane	ND	500	480J	96	500	490J	98	2	70-130	20

Method Blank Summary
Form 4
Volatiles

Client	: LaBella Associates, P.C.	Lab Number	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	Project Number	: 2182207
Lab Sample ID	: WG1388388-5	Lab File ID	: V22200701A05
Instrument ID	: VOA122		
Matrix	: WATER	Analysis Date	: 07/01/20 10:24

Client Sample No.	Lab Sample ID	Analysis Date
WG1388388-3LCS	WG1388388-3	07/01/20 08:46
WG1388388-4LCSD	WG1388388-4	07/01/20 09:10
TRIP BLANK	L2027694-13	07/01/20 14:55
R1MW-19D	L2027694-11D	07/01/20 15:19
BW-03 (6-29-2020)	L2027694-03D	07/01/20 16:33
BW-01	L2027694-04D	07/01/20 16:57
SB-MW-14	L2027694-05D	07/01/20 17:22
R1MW-04	L2027694-06D	07/01/20 18:11
R1MW-02	L2027694-07D	07/01/20 18:36
BW-01MS	WG1388388-6	07/01/20 19:01
BW-01MSD	WG1388388-7	07/01/20 19:25

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	Lab Number	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	Project Number	: 2182207
Lab ID	: WG1388388-5	Date Collected	: NA
Client ID	: WG1388388-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 07/01/20 10:24
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V22200701A05	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	Lab Number	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	Project Number	: 2182207
Lab ID	: WG1388388-5	Date Collected	: NA
Client ID	: WG1388388-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 07/01/20 10:24
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V22200701A05	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	Lab Number	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	Project Number	: 2182207
Lab ID	: WG1388388-5	Date Collected	: NA
Client ID	: WG1388388-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 07/01/20 10:24
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V22200701A05	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
76-13-1	Freon-113	ND ✓	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Tentatively Identified Compounds
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	Lab Number	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	Project Number	: 2182207
Lab ID	: WG1388388-5	Date Collected	: NA
Client ID	: WG1388388-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 07/01/20 10:24
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V22200701A05	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	:	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

Number TICS found: 0

Concentration Units: ug/L

CAS Number	Compound Name	RT	EST. CONC.	Qualifier
	NO TENTATIVELY IDENTIFIED COMPOUNDS			

Method Blank Summary
Form 4
Volatiles

Client	: LaBella Associates, P.C.	Lab Number	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	Project Number	: 2182207
Lab Sample ID	: WG1388497-5	Lab File ID	: VE200701N05
Instrument ID	: ELAINE		
Matrix	: WATER	Analysis Date	: 07/01/20 18:40

Client Sample No.	Lab Sample ID	Analysis Date
WG1388497-3LCS	WG1388497-3	07/01/20 17:15
WG1388497-4LCSD	WG1388497-4	07/01/20 17:36
R1MW-19S	L2027694-10	07/02/20 00:43
SB-MW-16	L2027694-08D	07/02/20 01:05
QA/QC	L2027694-12D	07/02/20 01:26

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	Lab Number	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	Project Number	: 2182207
Lab ID	: WG1388497-5	Date Collected	: NA
Client ID	: WG1388497-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 07/01/20 18:40
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: TMS
Lab File ID	: VE200701N05	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	Lab Number	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	Project Number	: 2182207
Lab ID	: WG1388497-5	Date Collected	: NA
Client ID	: WG1388497-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 07/01/20 18:40
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: TMS
Lab File ID	: VE200701N05	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	Lab Number	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	Project Number	: 2182207
Lab ID	: WG1388497-5	Date Collected	: NA
Client ID	: WG1388497-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 07/01/20 18:40
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: TMS
Lab File ID	: VE200701N05	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Tentatively Identified Compounds
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	Lab Number	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	Project Number	: 2182207
Lab ID	: WG1388497-5	Date Collected	: NA
Client ID	: WG1388497-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 07/01/20 18:40
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: TMS
Lab File ID	: VE200701N05	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	:	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

Number TICS found: 0

Concentration Units: ug/L

CAS Number	Compound Name	RT	EST. CONC.	Qualifier
	NO TENTATIVELY IDENTIFIED COMPOUNDS			

Method Blank Summary
Form 4
Volatiles

Client	: LaBella Associates, P.C.	Lab Number	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	Project Number	: 2182207
Lab Sample ID	: WG1388512-5	Lab File ID	: V08200702A05
Instrument ID	: VOA108		
Matrix	: WATER	Analysis Date	: 07/02/20 08:26

Client Sample No.	Lab Sample ID	Analysis Date
WG1388512-3LCS	WG1388512-3	07/02/20 06:58
WG1388512-4LCSD	WG1388512-4	07/02/20 07:20
SB-MW-07 (6-29-2020)	L2027694-01D	07/02/20 08:48
SB-MW-15 (6-29-2020)	L2027694-02D	07/02/20 09:13
RMW-16	L2027694-09D	07/02/20 09:35

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	Lab Number	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	Project Number	: 2182207
Lab ID	: WG1388512-5	Date Collected	: NA
Client ID	: WG1388512-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 07/02/20 08:26
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V08200702A05	Instrument ID	: VOA108
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	Lab Number	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	Project Number	: 2182207
Lab ID	: WG1388512-5	Date Collected	: NA
Client ID	: WG1388512-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 07/02/20 08:26
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V08200702A05	Instrument ID	: VOA108
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	Lab Number	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	Project Number	: 2182207
Lab ID	: WG1388512-5	Date Collected	: NA
Client ID	: WG1388512-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 07/02/20 08:26
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V08200702A05	Instrument ID	: VOA108
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Tentatively Identified Compounds
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	Lab Number	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	Project Number	: 2182207
Lab ID	: WG1388512-5	Date Collected	: NA
Client ID	: WG1388512-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 07/02/20 08:26
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V08200702A05	Instrument ID	: VOA108
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	:	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

Number TICS found: 0

Concentration Units: ug/L

CAS Number	Compound Name	RT	EST. CONC.	Qualifier
	NO TENTATIVELY IDENTIFIED COMPOUNDS			

Instrument Performance Check (Tune) Summary
Form 5
Volatiles
Bromofluorobenzene (BFB)

Client	: LaBella Associates, P.C.	Lab Number	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	Project Number	: 2182207
Instrument ID	: ELAINE	Analysis Date	: 06/02/20 13:54
Tune Standard	: WG1377468-1	Tune File ID	: VE200602bfb2_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	20.8
75	30.0 - 60.0% of mass 95	47.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.1
173	Less than 2.0% of mass 174	0 (0)1
174	Greater than 50.0 of mass 95	73.7
175	5.0 - 9.0% of mass 174	5.3 (7.2)1
176	95.0 - 101% of mass 174	73.4 (99.7)1
177	5.0 - 9.0% of mass 176	4.8 (6.5)2

1-Value is % of mass 174 2-Value is % of mass 176

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
STDL0.19PP	R1319290-1	VE200602N05	06/02/20 15:42
STDL0.5PPB	R1319290-2	VE200602N07	06/02/20 16:25
STDL2.0PPB	R1319290-4	VE200602N09	06/02/20 17:10
STDL10.0PP	R1319290-3	VE200602N10	06/02/20 17:32
STDL30.0PP	R1319290-5	VE200602N11	06/02/20 17:54
STDL80.0PP	R1319290-6	VE200602N12	06/02/20 18:17
STDL120.0P	R1319290-7	VE200602N13	06/02/20 18:39
STDL200.0P	R1319290-8	VE200602N14	06/02/20 19:01
ICV Quant Report	R1319290-9	VE200602N20	06/02/20 21:11

Instrument Performance Check (Tune) Summary
Form 5
Volatiles
Bromofluorobenzene (BFB)

Client	: LaBella Associates, P.C.	Lab Number	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	Project Number	: 2182207
Instrument ID	: ELAINE	Analysis Date	: 07/01/20 16:56
Tune Standard	: WG1388497-1	Tune File ID	: VE200701NBF3_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	20.4
75	30.0 - 60.0% of mass 95	48
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0 (0)1
174	Greater than 50.0 of mass 95	79
175	5.0 - 9.0% of mass 174	5.3 (6.7)1
176	95.0 - 101% of mass 174	79.6 (100.)1
177	5.0 - 9.0% of mass 176	4.9 (6.2)2

1-Value is % of mass 174 2-Value is % of mass 176

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG1388497-2CCAL	WG1388497-2	VE200701N01	07/01/20 17:15
WG1388497-3LCS	WG1388497-3	VE200701N01	07/01/20 17:15
WG1388497-4LCSD	WG1388497-4	VE200701N02	07/01/20 17:36
WG1388497-5BLANK	WG1388497-5	VE200701N05	07/01/20 18:40
R1MW-19S	L2027694-10	VE200701N22	07/02/20 00:43
SB-MW-16	L2027694-08D	VE200701N23	07/02/20 01:05
QA/QC	L2027694-12D	VE200701N24	07/02/20 01:26

Instrument Performance Check (Tune) Summary
Form 5
Volatiles
Bromofluorobenzene (BFB)

Client	: LaBella Associates, P.C.	Lab Number	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	Project Number	: 2182207
Instrument ID	: VOA122	Analysis Date	: 06/17/20 14:51
Tune Standard	: WG1383235-1	Tune File ID	: V22200617NBF2_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	18.4 ✓
75	30.0 - 60.0% of mass 95	42.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0 (0)1
174	Greater than 50.0 of mass 95	81
175	5.0 - 9.0% of mass 174	6 (7.3)1
176	95.0 - 101% of mass 174	79.1 (97.6)1
177	5.0 - 9.0% of mass 176	5.4 (6.8)2

1-Value is % of mass 174 2-Value is % of mass 176

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
STDL0.19PP	R1324775-1	V22200617N03	06/17/20 16:01
STDL0.5PPB	R1324775-2	V22200617N05	06/17/20 16:50
STDL2.0PPB	R1324775-4	V22200617N08	06/17/20 18:05
STDL10.0PP	R1324775-5	V22200617N09	06/17/20 18:30
STDL30.0PP	R1324775-3	V22200617N10	06/17/20 18:55
STDL80.0PP	R1324775-7	V22200617N11	06/17/20 19:20
STDL120.0P	R1324775-6	V22200617N12	06/17/20 19:45
STDL200.0P	R1324775-8	V22200617N13	06/17/20 20:10
ICV Quant Report	R1324775-9	V22200617N20	06/17/20 23:05 ✓

Instrument Performance Check (Tune) Summary
Form 5
Volatiles
Bromofluorobenzene (BFB)

Client	: LaBella Associates, P.C.	Lab Number	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	Project Number	: 2182207
Instrument ID	: VOA122	Analysis Date	: 07/01/20 08:31
Tune Standard	: WG1388388-1	Tune File ID	: V22200701ABF1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	20.1
75	30.0 - 60.0% of mass 95	47.6
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.4 (.4)1
174	Greater than 50.0 of mass 95	93.6
175	5.0 - 9.0% of mass 174	7.5 (8)1
176	95.0 - 101% of mass 174	89.7 (95.8)1
177	5.0 - 9.0% of mass 176	5.9 (6.6)2

1-Value is % of mass 174 2-Value is % of mass 176

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG1388388-2CCAL	WG1388388-2	V22200701A01	07/01/20 08:46
WG1388388-3LCS	WG1388388-3	V22200701A01	07/01/20 08:46
WG1388388-4LCSD	WG1388388-4	V22200701A02	07/01/20 09:10
WG1388388-5BLANK	WG1388388-5	V22200701A05	07/01/20 10:24
TRIP BLANK	L2027694-13	V22200701A16	07/01/20 14:55
R1MW-19D	L2027694-11D	V22200701A17	07/01/20 15:19
BW-03 (6-29-2020)	L2027694-03D	V22200701A20	07/01/20 16:33
BW-01	L2027694-04D	V22200701A21	07/01/20 16:57
SB-MW-14	L2027694-05D	V22200701A22	07/01/20 17:22
R1MW-04	L2027694-06D	V22200701A24	07/01/20 18:11
R1MW-02	L2027694-07D	V22200701A25	07/01/20 18:36
WG1388388-6MS	WG1388388-6	V22200701A26	07/01/20 19:01
WG1388388-7MSD	WG1388388-7	V22200701A27	07/01/20 19:25

Instrument Performance Check (Tune) Summary
Form 5
Volatiles
Bromofluorobenzene (BFB)

Client	: LaBella Associates, P.C.	Lab Number	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	Project Number	: 2182207
Instrument ID	: VOA108	Analysis Date	: 06/23/20 15:21
Tune Standard	: WG1385357-1	Tune File ID	: V08200623NBF1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	22.9
75	30.0 - 60.0% of mass 95	45.9
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.2
173	Less than 2.0% of mass 174	0.3 (.4)1
174	Greater than 50.0 of mass 95	72.5
175	5.0 - 9.0% of mass 174	5.7 (7.8)1
176	95.0 - 101% of mass 174	70.3 (97)1
177	5.0 - 9.0% of mass 176	4.5 (6.4)2

1-Value is % of mass 174 2-Value is % of mass 176

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
STDL0.19PP	R1326740-1	V08200623N04	06/23/20 16:49
STDL0.5PPB	R1326740-2	V08200623N06	06/23/20 17:33
STDL2.0PPB	R1326740-3	V08200623N08	06/23/20 18:17
STDL10.0PP	R1326740-4	V08200623N09	06/23/20 18:39
STDL30.0PP	R1326740-5	V08200623N10	06/23/20 19:01
STDL80.00P	R1326740-6	V08200623N11	06/23/20 19:23
STDL120.0P	R1326740-8	V08200623N12	06/23/20 19:45
STDL200.0P	R1326740-7	V08200623N13	06/23/20 20:07
ICV Quant Report	R1326740-9	V08200623N19	06/23/20 22:19

Instrument Performance Check (Tune) Summary
Form 5
Volatiles
Bromofluorobenzene (BFB)

Client	: LaBella Associates, P.C.	Lab Number	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	Project Number	: 2182207
Instrument ID	: VOA108	Analysis Date	: 07/02/20 06:43
Tune Standard	: WG1388512-1	Tune File ID	: V08200702ABF1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	25.2
75	30.0 - 60.0% of mass 95	49.2 ✓
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.2 (.3)1
174	Greater than 50.0 of mass 95	72.1
175	5.0 - 9.0% of mass 174	5.4 (7.5)1
176	95.0 - 101% of mass 174	69.7 (96.6)1
177	5.0 - 9.0% of mass 176	4.7 (6.7)2

1-Value is % of mass 174 2-Value is % of mass 176

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG1388512-2CCAL	WG1388512-2	V08200702A01	07/02/20 06:58
WG1388512-3LCS	WG1388512-3	V08200702A01	07/02/20 06:58
WG1388512-4LCSD	WG1388512-4	V08200702A02	07/02/20 07:20
WG1388512-5BLANK	WG1388512-5	V08200702A05	07/02/20 08:26
SB-MW-07 (6-29-2020)	L2027694-01D	V08200702A06	07/02/20 08:48
SB-MW-15 (6-29-2020)	L2027694-02D	V08200702A07	07/02/20 09:13
RMW-16	L2027694-09D	V08200702A08	07/02/20 09:35 ✓

Internal Standard Area and RT Summary
Form 8a
Volatiles

Client	: LaBella Associates, P.C.	Lab Number	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	Project Number	: 2182207
Instrument ID	: VOA122	Analysis Date	: 07/01/20 08:46
Sample No	: WG1388388-2	Lab File ID	: V22200701A01

	Fluorobenzene (IS)		Chlorobenzene-d5		1,4-Dichlorobenzene-D4	
	Area	RT	Area	RT	Area	RT
WG1388388-2	180591	5.78	157975	9.30	82999	12.07
Upper Limit	361182	6.28	315950	9.80	165998	12.57
Lower Limit	90296	5.28	78988	8.80	41500	11.57
Sample ID						
WG1388388-3 LCS	180591	5.78	157975	9.30	82999	12.07
WG1388388-4 LCSD	181389	5.78	155623	9.30	80585	12.07
WG1388388-5 BLANK	188448	5.78	160401	9.31	77946	12.06
TRIP BLANK	179337	5.78	152241	9.31	74568	12.07
R1MW-19D	182773	5.78	155357	9.31	76271	12.07
BW-03 (6-29-2020)	174206	5.78	153349	9.31	74225	12.07
BW-01	179641	5.78	151122	9.31	74111	12.07
SB-MW-14	177611	5.78	151837	9.31	73736	12.07
R1MW-04	176106	5.78	150448	9.31	74466	12.07
R1MW-02	180768	5.78	154454	9.31	76375	12.07
BW-01 MS	189708	5.78	165623	9.31	87469	12.07
BW-01 MSD	190624	5.78	167329	9.31	86625	12.07

Area Upper Limit = +100% of internal standard area
Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits

Internal Standard Area and RT Summary
Form 8a
Volatiles

Client	: LaBella Associates, P.C.	**Lab Number**	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	**Project Number**	: 2182207
Instrument ID	: ELAINE	**Analysis Date**	: 07/01/20 17:15
Sample No	: WG1388497-2	**Lab File ID**	: VE200701N01

	Fluorobenzene (IS)		Chlorobenzene-d5		1,4-Dichlorobenzene-D4	
	Area	RT	Area	RT	Area	RT
WG1388497-2	144276	5.49	121890	8.50	61045	9.99
Upper Limit	288552	5.99	243780	9.00	122090	10.49
Lower Limit	72138	4.99	60945	8.00	30523	9.49
Sample ID						
WG1388497-3 LCS	144276	5.49	121890	8.50	61045	9.99
WG1388497-4 LCSD	159136	5.49	108236	8.50	59939	9.99
WG1388497-5 BLANK	154409	5.49	115310	8.50	56152	9.99
R1MW-19S	152450	5.49	112720	8.50	54835	9.99
SB-MW-16	153696	5.49	113153	8.50	53438	9.99
QA/QC	153179	5.49	113083	8.50	54016	9.99

Area Upper Limit = +100% of internal standard area
Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits

Internal Standard Area and RT Summary
Form 8a
Volatiles

Client	: LaBella Associates, P.C.	Lab Number	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	Project Number	: 2182207
Instrument ID	: VOA108	Analysis Date	: 07/02/20 06:58
Sample No	: WG1388512-2	Lab File ID	: V08200702A01

	Fluorobenzene (IS)		Chlorobenzene-d5		1,4-Dichlorobenzene-D4	
	Area	RT	Area	RT	Area	RT
WG1388512-2	204273	5.40	143225	8.43	66393	9.92
Upper Limit	408546	5.90	286450	8.93	132786	10.42
Lower Limit	102137	4.90	71613	7.93	33197	9.42
Sample ID						
WG1388512-3 LCS	204273	5.40	143225	8.43	66393	9.92
WG1388512-4 LCSD	207350	5.40	149645	8.43	70576	9.92
WG1388512-5 BLANK	203914	5.40	143200	8.43	62616	9.93
SB-MW-07 (6-29-2020)	196615	5.40	139750	8.43	61849	9.93
SB-MW-15 (6-29-2020)	204980	5.40	145663	8.43	65824	9.92
RMW-16	202962	5.40	139976	8.43	61880	9.92

Area Upper Limit = +100% of internal standard area
Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits

APPENDIX M

Laboratory Reports

Laboratory Report L2020006

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Alpha Analytical

Laboratory Code: 11148

SDG Number: L2020006

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Project Name: JEFFERSON WOLLENSACK
Project Number: 2182207

Lab Number: L2020006
Report Date: 05/20/20

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2020006-01	BW-01	WATER	ROCHESTER, NY	05/12/20 09:00	05/14/20
L2020006-02	SB-MW-14	WATER	ROCHESTER, NY	05/12/20 09:20	05/14/20
L2020006-03	SB-MW-15	WATER	ROCHESTER, NY	05/12/20 10:10	05/14/20
L2020006-04	R1MW-16	WATER	ROCHESTER, NY	05/13/20 08:50	05/14/20
L2020006-05	SB-MW-07	WATER	ROCHESTER, NY	05/12/20 10:40	05/14/20
L2020006-06	R1MW-04	WATER	ROCHESTER, NY	05/13/20 09:40	05/14/20
L2020006-07	SB-MW-16	WATER	ROCHESTER, NY	05/13/20 11:00	05/14/20
L2020006-08	R1MW-02	WATER	ROCHESTER, NY	05/13/20 10:10	05/14/20
L2020006-09	BW-03	WATER	ROCHESTER, NY	05/13/20 13:30	05/14/20
L2020006-10	QA/QC	WATER	ROCHESTER, NY	05/12/20 00:00	05/14/20

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics

L2020006-08: The sample has elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the sample.

The WG1372229-6/-7 MS/MSD recoveries, performed on L2020006-01, are outside the acceptance criteria for trichloroethene (0%/0%). The unacceptable percent recoveries are attributed to the elevated concentrations of target compounds present in the native sample.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Report Date: 05/20/20

Title: Technical Director/Representative

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

Report Format: DU Report with 'J' Qualifiers

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

Report Format: DU Report with 'J' Qualifiers

Data Qualifiers

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Volatile Organics Instruments

Volatile Organics:

Instrument: Agilent 7890 GC/5975C MSD	Columns (length x ID x df):
Trap: Supelco K Trap (VOACARB 3000)	RTX-VMS 20m x 0.18mm x 1um
Concentrator: EST Encon (or equivalent)	RTX-VMS 30m x 0.25mm x 1.4um
Autosampler: EST Centurion (or equivalent)	RTX-502.2 40m x 0.18mm x 1um
Purge time: 11 min	

Volatile Organics: VPH

Instrument: Agilent 6890 (or equivalent)	Column Type: Restek RTX 502.2
Trap: Supelco K Trap (VOACARB 3000)	Column Length: 105 Meters
Concentrator: EST Encon (or equivalent)	df: 3.00 um
Autosampler: EST Centurion (or equivalent)	ID: 0.53mm

Volatile Organics: PIANO

Instrument: Agilent 7890 GC/5975C MSD	Column Type: DB-VRX
Trap: Supelco K Trap (VOACARB 3000)	Column Length: 60 Meters
Concentrator: Tekmar Velocity / EST Encon	df: 1.40 um
Autosampler: Varian Archon / EST Centurion	ID: 0.25 mm
Purge time: 11 min	Desorb: 1 min

Volatile Organics: Dissolved Gas

Instrument: Agilent 7890 (or equivalent) with FID/TCD	
	Column Type: Haysep S Column
	Column Length: 2 Meters packed (100/200 mesh)
Autosampler: LEAP Headspace	Purge time: 0.6 min

Volatile Organics in Air Instruments

Volatile Organics in Air:

Instruments: Agilent 6890 GC / 5975 MSD Shimadzu QP2010-SE / QP2020

Concentrator: Entech 7100A or 7200	Column Type: Restek RTX-1
Autosampler: Entech 7016CA or 7016D	Column Length: 60 Meters
	df: 1.00 um
	ID: 0.25 mm or 0.32 mm

Trap 1: Glass Bead: manufacturer-Entech: 20 cm packing material
Trap 2: Tenax: manufacturer-Entech: 20 cm packing material

Semivolatile Organics Instruments - Westborough

Semivolatile Organics (Acid/Base/Neutral Extractables):

Instrument: Agilent 5973N MSD	Injection volume: 1 ul;2 uL LVI
Column Type: Restek RXI-5SILMS	df: 0.32 um
Column Length: 30 Meters	ID: 0.25 mm

Polynuclear Aromatic Hydrocarbons by 8270 SIM:

Instrument: Agilent 5973 MSD	Injection volume: 1 ul;2 uL LVI
Column Type: Restek RXI-5SILMS	df: 0.25 um
Column Length: 30 Meters	ID: 0.25 mm

Pesticides/PCB/Herbicides:

Instrument: Agilent 6890 w/Dual Micro ECDs	Injection Volume: 1uL
Column A: Restek RTX-CL/STX-CL	df: 0.32
Column B: Restek RTX/STX-CLPPesticide II	df: 0.25
Column Length: 30 Meters	ID: 0.32 mm

Petroleum/EPH:

Instrument: Agilent 6890 w/FID / HP 5890 w/ FID	Injection Volume: 1uL
Column: Restek RTX 5	df: 0.25
Column Length: 30 Meters	
ID: 0.32 mm	

Semivolatile Organic Instruments - Mansfield

Semivolatile Organics (ALK-PAH Extractables):

Instrument: Agilent 5973N / 5975 MSD	Injection volume: 1 ul
Column Type: ZB-5	df: 0.25 um
Column Length: 60 Meters	ID: 0.25 mm

Semivolatile Organics (8270):

Instrument: Agilent 5973N / 5975 MSD	Injection volume: 2 ul
Column Type: ZB-Semivolatiles	df: 0.25 um
Column Length: 30 Meters	ID: 0.25 mm

Semivolatile Organics (8270 SIM):

Instrument: Agilent 5973N / 5975 MSD	Injection volume: 3 ul
Column Type: ZB-5	df: 0.25 um
Column Length: 30 Meters	ID: 0.25 mm

Semivolatile Organics (1,4-Dioxane):

Instrument: Agilent 5973N / 5975 / 5977 MSD	Injection volume: 3 ul
Column Type: RTX-5	df: 0.25um, 0.18 um
Column Length: 30 Meters	ID: 0.25um, 0.18 mm

Semivolatile Organics (209 Congener):

Instrument: Agilent 5973N / 5975 MSD	Injection volume: 3 ul
Column Type: RTX-5, RTX-PCB	df: 0.25um, 0.18 um
Column Length: 60 Meters	ID: 0.25um, 0.18 mm

Semivolatile Organics (8081):

Instrument: Agilent 6890 / 7890	Injection volume: 1 ul
Column Type: RTX-5 / RTX-CLP II	df: 0.25 um
Column Length: 60 Meters	ID: 0.25 mm

Semivolatile Organics (8082):

Instrument: Agilent 6890 w/Dual Micro ECDs	Injection Volume: 1uL
Column A: Restek RTX-CL/STX-CL	df: 0.32
Column B: Restek RTX/STX-CLPPesticide II	df: 0.25
Column Length: 30 Meters	ID: 0.32 mm

Semivolatile Organics (SHC Extractables):

Instrument: Agilent 6890	Injection volume: 1 ul
Column Type: RTX-5	df: 0.25 um
Column Length: 60 Meters	ID: 0.25 mm

Sample Delivery Group Summary

Alpha Job Number : L2020006

Account Name : LaBella Associates, P.C.
Project Number : 2182207
Project Name : JEFFERSON WOLLENSACK

Received : 14-MAY-2020
Reviewer : Craig Green

Delivery Information

Samples Delivered By : Alpha Courier

Chain of Custody : Present

Cooler Information

Cooler	Seal/Seal#	Preservation	Temperature(°C)	Additional Information
A	Absent/	Ice	5.3	

Condition Information

1) All samples on COC received?	**YES**
2) Extra samples received?	**NO**
3) Are there any sample container discrepancies?	**NO**
4) Are there any discrepancies between sample labels & COC?	**NO**
5) Are samples in appropriate containers for requested analysis?	**YES**
6) Are samples properly preserved for requested analysis? Following containers were received with headspace: -05B	**NO**
7) Are samples within holding time for requested analysis?	**YES**
8) All sampling equipment returned?	**NA**

Volatile Organics/VPH

1) Reagent Water Vials Frozen by Client?	**NO**

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
May 20 2020, 05:27 pm

Login Number: L2020006
Account: LABELLA-ROC LaBella Associates, P.C.Project: 2182207
Received: 14MAY20 Due Date: 21MAY20

Sample #	Client ID	Mat	PR	Collected
L2020006-01	BW-01	1	S0	12MAY20 09:00

TICS needed for 8260 Report list built for 8260 L2020006-01 MS L2020006-01 MSD ASP-B Package Due Date: 05/21/20

ASP-B,MS/MSD,NYTCL-8260-R2

L2020006-02	SB-MW-14	1	S0	12MAY20 09:20

TICS needed for 8260 Report list built for 8260 Package Due Date: 05/21/20

NYTCL-8260-R2

L2020006-03	SB-MW-15	1	S0	12MAY20 10:10

TICS needed for 8260 Report list built for 8260 Package Due Date: 05/21/20

NYTCL-8260-R2

L2020006-04	R1MW-16	1	S0	13MAY20 08:50

TICS needed for 8260 Report list built for 8260 Package Due Date: 05/21/20

NYTCL-8260-R2

L2020006-05	SB-MW-07	1	S0	12MAY20 10:40

TICS needed for 8260 Report list built for 8260 Package Due Date: 05/21/20

NYTCL-8260-R2

L2020006-06	R1MW-04	1	S0	13MAY20 09:40

TICS needed for 8260 Report list built for 8260 Package Due Date: 05/21/20

NYTCL-8260-R2

L2020006-07	SB-MW-16	1	S0	13MAY20 11:00

TICS needed for 8260 Report list built for 8260 Package Due Date: 05/21/20

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
May 20 2020, 05:27 pm

Login Number: L2020006
Account: LABELLA-ROC LaBella Associates, P.C.Project: 2182207
Received: 14MAY20 Due Date: 21MAY20

Sample #	Client ID		Mat	PR	Collected
NYTCL-8260-R2					
L2020006-08	R1MW-02		1	S0	13MAY20 10:10
TICS needed for 8260 Report list built for 8260 Package Due Date: 05/21/20					
NYTCL-8260-R2					
L2020006-09	BW-03		1	S0	13MAY20 13:30
TICS needed for 8260 Report list built for 8260 Package Due Date: 05/21/20					
NYTCL-8260-R2					
L2020006-10	QA/QC		1	S0	12MAY20 00:00
TICS needed for 8260 Report list built for 8260 Package Due Date: 05/21/20					
NYTCL-8260-R2					

Logged By: Craig Green

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page of

Date Rec'd in Lab: 5/15/20

ALPHA Job #: L2000006

Client Information
Client: LaBella
Address: 300 State Street, Rochester, NY 14614
Phone: 585-454-6110
Fax:
Email: mpelychaty@labellapc.com

Project Information
Project Name: Jefferson Wollensack
Project Location: Rochester, NY
Project # 2182207
(Use Project name as Project #) ☐
Project Manager: Mike Pelychaty
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☒ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☐ Same as Client Info
PO # 2182207

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs + TICs 8260	Sample Specific Comments	Total Bottle
20006-01	BW-01	5/12	9:00	water	CJD2	x	MS/MSD here	9
-02	SB-MW-14	5/12	9:20			x		3
-03	SB-MW-15	5/12	10:10			x		
-04	RIMW-16	5/13	8:50			x		
-05	SBMW-07	5/12	10:40			x		
-06	RIMW-04	5/13	9:40			x		
-07	SB-MW-16	5/13	11:00			x		
-08	RIMW-02	5/13	10:10			x		
-09	BW-03	5/13	13:30			x		
-10	QA/QC	5/12	—			x		

Container Type
Preservative

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
	5/14/20 15:00	RCunningham AAL	5/14/20 14:50
RCunningham AAL	5/14/20 14:60		5/15/20 00:40

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

Organics

GC/MS 8260
Analysis

Volatiles QC Summary

Surrogate Recovery Summary
Form 2
Volatiles

Client: LaBella Associates, P.C.
Project Name: JEFFERSON WOLLENSACK

Lab Number: L2020006
Project Number: 2182207
Matrix: Water

CLIENT ID (LAB SAMPLE NO.)	SMC1 DCA	SMC2 TOL	SMC3 BFB	SMC4 DBFM	TOT OUT
BW-01 (L2020006-01D)	113	98	98	112	0
SB-MW-14 (L2020006-02D)	108	106	90	108	0
SB-MW-15 (L2020006-03D)	113	101	91	112	0
R1MW-16 (L2020006-04D)	112	93	94	112	0
SB-MW-07 (L2020006-05D)	107	109	89	105	0
R1MW-04 (L2020006-06D)	112	89	90	111	0
SB-MW-16 (L2020006-07D)	113	97	95	112	0
R1MW-02 (L2020006-08D)	94	97	92	97	0
BW-03 (L2020006-09D)	112	97	101	112	0
QA/QC (L2020006-10)	110	88	96	108	0
QA/QC (L2020006-10D)	91	104	99	95	0
WG1372229-3LCS	113	103	85	112	0
WG1372229-4LCSD	114	99	94	111	0
WG1372229-5BLANK	109	95	92	110	0
BW-01MS	117	104	105	109	0
BW-01MSD	117	106	104	108	0
WG1372327-3LCS	91	97	94	96	0
WG1372327-4LCSD	86	98	94	96	0
WG1372327-5BLANK	96	96	98	97	0

QC LIMITS

(70-130) DCA = 1,2-DICHLOROETHANE-D4
(70-130) TOL = TOLUENE-D8
(70-130) BFB = 4-BROMOFLUOROBENZENE
(70-130) DBFM = DIBROMOFLUOROMETHANE

*** Values outside of QC limits**

FORM II NYTCL-8260-R2

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: LaBella Associates, P.C.	**Lab Number**	: L2020006
Project Name	: JEFFERSON WOLLENSACK	**Project Number**	: 2182207
Matrix	: WATER		
LCS Sample ID	: WG1372229-3 **Analysis Date** : 05/18/20 18:05	**File ID**	: V05200518N01
LCSD Sample ID	: WG1372229-4 **Analysis Date** : 05/18/20 18:28	**File ID**	: V05200518N02

	Laboratory Control Sample				Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R		True (ug/l)	Found (ug/l)	%R		RPD	Recovery Limits	RPD Limit
Methylene chloride	10	10	100		10	10	100		0	70-130	20
1,1-Dichloroethane	10	9.8	98		10	9.6	96		2	70-130	20
Chloroform	10	11	110		10	11	110		0	70-130	20
Carbon tetrachloride	10	10	100		10	9.8	98		2	63-132	20
1,2-Dichloropropane	10	9.3	93		10	9.2	92		1	70-130	20
Dibromochloromethane	10	11	110		10	9.4	94		16	63-130	20
1,1,2-Trichloroethane	10	11	110		10	10	100		10	70-130	20
Tetrachloroethene	10	12	120		10	10	100		18	70-130	20
Chlorobenzene	10	9.7	97		10	9.6	96		1	75-130	20
Trichlorofluoromethane	10	9.6	96		10	9.2	92		4	62-150	20
1,2-Dichloroethane	10	11	110		10	11	110		0	70-130	20
1,1,1-Trichloroethane	10	11	110		10	10	100		10	67-130	20
Bromodichloromethane	10	9.9	99		10	10	100		1	67-130	20
trans-1,3-Dichloropropene	10	9.6	96		10	8.5	85		12	70-130	20
cis-1,3-Dichloropropene	10	8.9	89		10	8.7	87		2	70-130	20
Bromoform	10	8.9	89		10	9.5	95		7	54-136	20
1,1,2,2-Tetrachloroethane	10	8.6	86		10	9.6	96		11	67-130	20
Benzene	10	9.9	99		10	9.7	97		2	70-130	20
Toluene	10	9.7	97		10	9.1	91		6	70-130	20
Ethylbenzene	10	9.8	98		10	9.7	97		1	70-130	20
Chloromethane	10	8.1	81		10	7.8	78		4	64-130	20
Bromomethane	10	3.6	36	Q	10	3.7	37	Q	3	39-139	20
Vinyl chloride	10	9.0	90		10	8.3	83		8	55-140	20
Chloroethane	10	6.7	67		10	7.5	75		11	55-138	20
1,1-Dichloroethene	10	10	100		10	10	100		0	61-145	20
trans-1,2-Dichloroethene	10	10	100		10	10	100		0	70-130	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: LaBella Associates, P.C.	**Lab Number**	: L2020006
Project Name	: JEFFERSON WOLLENSACK	**Project Number**	: 2182207
Matrix	: WATER		
LCS Sample ID	: WG1372229-3 **Analysis Date** : 05/18/20 18:05	**File ID**	: V05200518N01
LCSD Sample ID	: WG1372229-4 **Analysis Date** : 05/18/20 18:28	**File ID**	: V05200518N02

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Trichloroethene	10	9.8	98	10	9.4	94	4	70-130	20
1,2-Dichlorobenzene	10	9.2	92	10	9.0	90	2	70-130	20
1,3-Dichlorobenzene	10	9.5	95	10	9.2	92	3	70-130	20
1,4-Dichlorobenzene	10	9.3	93	10	9.2	92	1	70-130	20
Methyl tert butyl ether	10	9.0	90	10	9.2	92	2	63-130	20
p/m-Xylene	20	19	95	20	19	95	0	70-130	20
o-Xylene	20	19	95	20	19	95	0	70-130	20
cis-1,2-Dichloroethene	10	10	100	10	9.9	99	1	70-130	20
Styrene	20	20	100	20	20	100	0	70-130	20
Dichlorodifluoromethane	10	12	120	10	12	120	0	36-147	20
Acetone	10	9.5	95	10	9.5	95	0	58-148	20
Carbon disulfide	10	9.9	99	10	9.5	95	4	51-130	20
2-Butanone	10	9.7	97	10	11	110	13	63-138	20
4-Methyl-2-pentanone	10	8.0	80	10	7.6	76	5	59-130	20
2-Hexanone	10	8.5	85	10	7.7	77	10	57-130	20
Bromochloromethane	10	11	110	10	11	110	0	70-130	20
1,2-Dibromoethane	10	11	110	10	10	100	10	70-130	20
1,2-Dibromo-3-chloropropane	10	7.6	76	10	6.9	69	10	41-144	20
Isopropylbenzene	10	7.9	79	10	8.3	83	5	70-130	20
1,2,3-Trichlorobenzene	10	7.2	72	10	6.6	66 Q	9	70-130	20
1,2,4-Trichlorobenzene	10	8.1	81	10	7.2	72	12	70-130	20
Methyl Acetate	10	10	100	10	10	100	0	70-130	20
Cyclohexane	10	10	100	10	10	100	0	70-130	20
1,4-Dioxane	500	550	110	500	550	110	0	56-162	20
Freon-113	10	13	130	10	12	120	8	70-130	20
Methyl cyclohexane	10	10	100	10	10	100	0	70-130	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: LaBella Associates, P.C.	**Lab Number**	: L2020006
Project Name	: JEFFERSON WOLLENSACK	**Project Number**	: 2182207
Matrix	: WATER		
LCS Sample ID	: WG1372327-3 **Analysis Date** : 05/19/20 09:05	**File ID**	: VE200519A02
LCSD Sample ID	: WG1372327-4 **Analysis Date** : 05/19/20 09:27	**File ID**	: VE200519A03

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Methylene chloride	10	8.9	89	10	9.1	91	2	70-130	20
1,1-Dichloroethane	10	9.5	95	10	8.9	89	7	70-130	20
Chloroform	10	8.8	88	10	8.4	84	5	70-130	20
Carbon tetrachloride	10	8.5	85	10	8.2	82	4	63-132	20
1,2-Dichloropropane	10	9.5	95	10	9.0	90	5	70-130	20
Dibromochloromethane	10	8.6	86	10	8.1	81	6	63-130	20
1,1,2-Trichloroethane	10	8.6	86	10	8.1	81	6	70-130	20
Tetrachloroethene	10	8.7	87	10	8.3	83	5	70-130	20
Chlorobenzene	10	9.6	96	10	9.1	91	5	75-130	20
Trichlorofluoromethane	10	9.3	93	10	9.2	92	1	62-150	20
1,2-Dichloroethane	10	8.7	87	10	7.8	78	11	70-130	20
1,1,1-Trichloroethane	10	8.2	82	10	8.3	83	1	67-130	20
Bromodichloromethane	10	8.6	86	10	8.3	83	4	67-130	20
trans-1,3-Dichloropropene	10	7.6	76	10	7.3	73	4	70-130	20
cis-1,3-Dichloropropene	10	8.6	86	10	8.1	81	6	70-130	20
Bromoform	10	7.8	78	10	7.7	77	1	54-136	20
1,1,2,2-Tetrachloroethane	10	8.7	87	10	8.3	83	5	67-130	20
Benzene	10	9.0	90	10	8.8	88	2	70-130	20
Toluene	10	9.2	92	10	8.8	88	4	70-130	20
Ethylbenzene	10	9.3	93	10	8.7	87	7	70-130	20
Chloromethane	10	8.3	83	10	8.0	80	4	64-130	20
Bromomethane	10	7.2	72	10	7.3	73	1	39-139	20
Vinyl chloride	10	10	100	10	9.4	94	6	55-140	20
Chloroethane	10	11	110	10	10	100	10	55-138	20
1,1-Dichloroethene	10	8.5	85	10	8.9	89	5	61-145	20
trans-1,2-Dichloroethene	10	10	100	10	9.3	93	7	70-130	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: LaBella Associates, P.C.	**Lab Number**	: L2020006
Project Name	: JEFFERSON WOLLENSACK	**Project Number**	: 2182207
Matrix	: WATER		
LCS Sample ID	: WG1372327-3 **Analysis Date** : 05/19/20 09:05	**File ID**	: VE200519A02
LCSD Sample ID	: WG1372327-4 **Analysis Date** : 05/19/20 09:27	**File ID**	: VE200519A03

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Trichloroethene	10	8.7	87	10	8.0	80	8	70-130	20
1,2-Dichlorobenzene	10	9.4	94	10	8.9	89	5	70-130	20
1,3-Dichlorobenzene	10	9.5	95	10	9.0	90	5	70-130	20
1,4-Dichlorobenzene	10	9.4	94	10	8.7	87	8	70-130	20
Methyl tert butyl ether	10	8.4	84	10	7.9	79	6	63-130	20
p/m-Xylene	20	19	95	20	18	90	5	70-130	20
o-Xylene	20	19	95	20	18	90	5	70-130	20
cis-1,2-Dichloroethene	10	8.8	88	10	8.4	84	5	70-130	20
Styrene	20	19	95	20	18	90	5	70-130	20
Dichlorodifluoromethane	10	10	100	10	9.9	99	1	36-147	20
Acetone	10	8.1	81	10	8.6	86	6	58-148	20
Carbon disulfide	10	9.4	94	10	9.1	91	3	51-130	20
2-Butanone	10	8.3	83	10	8.8	88	6	63-138	20
4-Methyl-2-pentanone	10	8.0	80	10	7.9	79	1	59-130	20
2-Hexanone	10	7.2	72	10	7.1	71	1	57-130	20
Bromochloromethane	10	9.7	97	10	9.0	90	7	70-130	20
1,2-Dibromoethane	10	8.4	84	10	8.2	82	2	70-130	20
1,2-Dibromo-3-chloropropane	10	6.9	69	10	6.8	68	1	41-144	20
Isopropylbenzene	10	9.3	93	10	8.6	86	8	70-130	20
1,2,3-Trichlorobenzene	10	8.3	83	10	8.0	80	4	70-130	20
1,2,4-Trichlorobenzene	10	8.9	89	10	8.6	86	3	70-130	20
Methyl Acetate	10	8.6	86	10	8.4	84	2	70-130	20
Cyclohexane	10	9.5	95	10	9.0	90	5	70-130	20
1,4-Dioxane	500	370	74	500	370	74	0	56-162	20
Freon-113	10	9.9	99	10	9.7	97	2	70-130	20
Methyl cyclohexane	10	9.4	94	10	8.9	89	5	70-130	20

Matrix Spike Sample Summary
Form 3
Volatiles

Client	: LaBella Associates, P.C.	**Lab Number**	: L2020006
Project Name	: JEFFERSON WOLLENSACK	**Project Number**	: 2182207
Client Sample ID	: BW-01	**Matrix**	: WATER
Lab Sample ID	: L2020006-01	**Analysis Date**	: 05/19/20 00:40
Matrix Spike	: WG1372229-6	**MS Analysis Date**	: 05/19/20 03:47
Matrix Spike Dup	: WG1372229-7	**MSD Analysis Date**	: 05/19/20 04:10

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Methylene chloride	ND	400	460	115	400	440	110	4	70-130	20
1,1-Dichloroethane	ND	400	450	113	400	440	110	2	70-130	20
Chloroform	ND	400	490	123	400	480	120	2	70-130	20
Carbon tetrachloride	ND	400	460	115	400	450	113	2	63-132	20
1,2-Dichloropropane	ND	400	420	105	400	410	103	2	70-130	20
Dibromochloromethane	ND	400	420	105	400	410	103	2	63-130	20
1,1,2-Trichloroethane	ND	400	470	118	400	470	118	0	70-130	20
Tetrachloroethene	13J	400	420	105	400	410	103	2	70-130	20
Chlorobenzene	ND	400	410	103	400	410	103	0	75-130	20
Trichlorofluoromethane	ND	400	420	105	400	400	100	5	62-150	20
1,2-Dichloroethane	ND	400	470	118	400	460	115	2	70-130	20
1,1,1-Trichloroethane	ND	400	490	123	400	480	120	2	67-130	20
Bromodichloromethane	ND	400	440	110	400	420	105	5	67-130	20
trans-1,3-Dichloropropene	ND	400	380	95	400	380	95	0	70-130	20
cis-1,3-Dichloropropene	ND	400	370	92	400	370	92	0	70-130	20
Bromoform	ND	400	420	105	400	420	105	0	54-136	20
1,1,2,2-Tetrachloroethane	ND	400	440	110	400	430	108	2	67-130	20
Benzene	ND	400	440	110	400	430	108	2	70-130	20
Toluene	ND	400	430	108	400	430	108	0	70-130	20
Ethylbenzene	ND	400	430	108	400	420	105	2	70-130	20
Chloromethane	ND	400	360	90	400	360	90	0	64-130	20
Bromomethane	ND	400	98J	24 Q	400	100	25 Q	2	39-139	20

Matrix Spike Sample Summary
Form 3
Volatiles

Client	: LaBella Associates, P.C.	**Lab Number**	: L2020006
Project Name	: JEFFERSON WOLLENSACK	**Project Number**	: 2182207
Client Sample ID	: BW-01	**Matrix**	: WATER
Lab Sample ID	: L2020006-01	**Analysis Date**	: 05/19/20 00:40
Matrix Spike	: WG1372229-6	**MS Analysis Date**	: 05/19/20 03:47
Matrix Spike Dup	: WG1372229-7	**MSD Analysis Date**	: 05/19/20 04:10

		Matrix Spike Sample				Matrix Spike Duplicate					
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R		Spike Added (ug/l)	Spike Conc. (ug/l)	%R		RPD	Recovery Limits	RPD Limit
Vinyl chloride	ND	400	310	78		400	290	72		7	55-140	20
Chloroethane	ND	400	260	65		400	260	65		0	55-138	20
1,1-Dichloroethene	ND	400	420	105		400	420	105		0	61-145	20
trans-1,2-Dichloroethene	ND	400	460	115		400	450	113		2	70-130	20
Trichloroethene	4500	400	4400	0	Q	400	4500	0	Q	2	70-130	20
1,2-Dichlorobenzene	ND	400	390	98		400	380	95		3	70-130	20
1,3-Dichlorobenzene	ND	400	370	92		400	360	90		3	70-130	20
1,4-Dichlorobenzene	ND	400	370	92		400	360	90		3	70-130	20
Methyl tert butyl ether	ND	400	410	103		400	410	103		0	63-130	20
p/m-Xylene	ND	800	790	99		800	780	98		1	70-130	20
o-Xylene	ND	800	790	99		800	780	98		1	70-130	20
cis-1,2-Dichloroethene	180	400	650	118		400	620	110		5	70-130	20
Styrene	ND	800	800	100		800	790	99		1	70-130	20
Dichlorodifluoromethane	ND	400	520	130		400	490	123		6	36-147	20
Acetone	ND	400	440	110		400	440	110		0	58-148	20
Carbon disulfide	ND	400	400	100		400	390	98		3	51-130	20
2-Butanone	ND	400	460	115		400	460	115		0	63-138	20
4-Methyl-2-pentanone	ND	400	390	98		400	390	98		0	59-130	20
2-Hexanone	ND	400	370	92		400	380	95		3	57-130	20
Bromochloromethane	ND	400	440	110		400	430	108		2	70-130	20
1,2-Dibromoethane	ND	400	450	113		400	460	115		2	70-130	20
1,2-Dibromo-3-chloropropane	ND	400	370	92		400	380	95		3	41-144	20

Matrix Spike Sample Summary
Form 3
Volatiles

Client	: LaBella Associates, P.C.	**Lab Number**	: L2020006
Project Name	: JEFFERSON WOLLENSACK	**Project Number**	: 2182207
Client Sample ID	: BW-01	**Matrix**	: WATER
Lab Sample ID	: L2020006-01	**Analysis Date**	: 05/19/20 00:40
Matrix Spike	: WG1372229-6	**MS Analysis Date**	: 05/19/20 03:47
Matrix Spike Dup	: WG1372229-7	**MSD Analysis Date**	: 05/19/20 04:10

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Isopropylbenzene	ND	400	380	95	400	370	92	3	70-130	20
1,2,3-Trichlorobenzene	ND	400	280	70	400	310	78	10	70-130	20
1,2,4-Trichlorobenzene	ND	400	300	75	400	300	75	0	70-130	20
Methyl Acetate	ND	400	410	103	400	410	103	0	70-130	20
Cyclohexane	ND	400	460	115	400	440	110	4	70-130	20
1,4-Dioxane	ND	20000	31000	155	20000	23000	115	30 Q	56-162	20
Freon-113	ND	400	460	115	400	430	108	7	70-130	20
Methyl cyclohexane	ND	400	440	110	400	410	103	7	70-130	20

Method Blank Summary
Form 4
Volatiles

Client	: LaBella Associates, P.C.	**Lab Number**	: L2020006
Project Name	: JEFFERSON WOLLENSACK	**Project Number**	: 2182207
Lab Sample ID	: WG1372229-5	**Lab File ID**	: V05200518N05
Instrument ID	: VOA105		
Matrix	: WATER	**Analysis Date**	: 05/18/20 19:38

Client Sample No.	Lab Sample ID	Analysis Date
WG1372229-3LCS	WG1372229-3	05/18/20 18:05
WG1372229-4LCSD	WG1372229-4	05/18/20 18:28
QA/QC	L2020006-10	05/18/20 23:54
BW-01	L2020006-01D	05/19/20 00:40
SB-MW-14	L2020006-02D	05/19/20 01:04
SB-MW-15	L2020006-03D	05/19/20 01:27
R1MW-16	L2020006-04D	05/19/20 01:50
SB-MW-07	L2020006-05D	05/19/20 02:14
R1MW-04	L2020006-06D	05/19/20 02:37
SB-MW-16	L2020006-07D	05/19/20 03:00
BW-03	L2020006-09D	05/19/20 03:24
BW-01MS	WG1372229-6	05/19/20 03:47
BW-01MSD	WG1372229-7	05/19/20 04:10

Method Blank Summary
Form 4
Volatiles

Client	: LaBella Associates, P.C.	**Lab Number**	: L2020006
Project Name	: JEFFERSON WOLLENSACK	**Project Number**	: 2182207
Lab Sample ID	: WG1372327-5	**Lab File ID**	: VE200519A05
Instrument ID	: ELAINE		
Matrix	: WATER	**Analysis Date**	: 05/19/20 10:10

Client Sample No.	Lab Sample ID	Analysis Date
WG1372327-3LCS	WG1372327-3	05/19/20 09:05
WG1372327-4LCSD	WG1372327-4	05/19/20 09:27
R1MW-02	L2020006-08D	05/19/20 10:42
QA/QC	L2020006-10D	05/19/20 11:03

Instrument Performance Check (Tune) Summary
Form 5
Volatiles
Bromofluorobenzene (BFB)

Client	: LaBella Associates, P.C.	**Lab Number**	: L2020006
Project Name	: JEFFERSON WOLLENSACK	**Project Number**	: 2182207
Instrument ID	: VOA105	**Analysis Date**	: 03/13/20 19:15
Tune Standard	: WG1351154-1	**Tune File ID**	: V05200313NBF1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	17.1
75	30.0 - 60.0% of mass 95	50.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0 (0)1
174	Greater than 50.0 of mass 95	82.9
175	5.0 - 9.0% of mass 174	6.1 (7.3)1
176	95.0 - 101% of mass 174	80.9 (97.6)1
177	5.0 - 9.0% of mass 176	5.3 (6.5)2

1-Value is % of mass 174 2-Value is % of mass 176

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
STDL0.15PP	R1294319-1	V05200313N04	03/13/20 20:45
STDL0.5PPB	R1294319-3	V05200313N06	03/13/20 21:31
STDL2PPB	R1294319-2	V05200313N08	03/13/20 22:18
STDL10PPB	R1294319-5	V05200313N09	03/13/20 22:41
STDL30PPB	R1294319-4	V05200313N10	03/13/20 23:04
STDL80PPB	R1294319-8	V05200313N11	03/13/20 23:27
STDL120PPB	R1294319-7	V05200313N12	03/13/20 23:50
STDL200PPB	R1294319-6	V05200313N13	03/14/20 00:13
ICV Quant Report	R1294319-9	V05200313N20	03/14/20 02:55

Instrument Performance Check (Tune) Summary
Form 5
Volatiles
Bromofluorobenzene (BFB)

Client	: LaBella Associates, P.C.	**Lab Number**	: L2020006
Project Name	: JEFFERSON WOLLENSACK	**Project Number**	: 2182207
Instrument ID	: VOA105	**Analysis Date**	: 05/18/20 17:45
Tune Standard	: WG1372229-1	**Tune File ID**	: V05200518NBF1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	16.8
75	30.0 - 60.0% of mass 95	51.9
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.7 (1)1
174	Greater than 50.0 of mass 95	77.4
175	5.0 - 9.0% of mass 174	5.7 (7.4)1
176	95.0 - 101% of mass 174	75.1 (97.1)1
177	5.0 - 9.0% of mass 176	5 (6.7)2

1-Value is % of mass 174 2-Value is % of mass 176

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG1372229-2CCAL	WG1372229-2	V05200518N01	05/18/20 18:05
WG1372229-3LCS	WG1372229-3	V05200518N01	05/18/20 18:05
WG1372229-4LCSD	WG1372229-4	V05200518N02	05/18/20 18:28
WG1372229-5BLANK	WG1372229-5	V05200518N05	05/18/20 19:38
QA/QC	L2020006-10	V05200518N16	05/18/20 23:54
BW-01	L2020006-01D	V05200518N18	05/19/20 00:40
SB-MW-14	L2020006-02D	V05200518N19	05/19/20 01:04
SB-MW-15	L2020006-03D	V05200518N20	05/19/20 01:27
R1MW-16	L2020006-04D	V05200518N21	05/19/20 01:50
SB-MW-07	L2020006-05D	V05200518N22	05/19/20 02:14
R1MW-04	L2020006-06D	V05200518N23	05/19/20 02:37
SB-MW-16	L2020006-07D	V05200518N24	05/19/20 03:00
BW-03	L2020006-09D	V05200518N25	05/19/20 03:24
WG1372229-6MS	WG1372229-6	V05200518N26	05/19/20 03:47
WG1372229-7MSD	WG1372229-7	V05200518N27	05/19/20 04:10

Instrument Performance Check (Tune) Summary
Form 5
Volatiles
Bromofluorobenzene (BFB)

Client	: LaBella Associates, P.C.	**Lab Number**	: L2020006
Project Name	: JEFFERSON WOLLENSACK	**Project Number**	: 2182207
Instrument ID	: ELAINE	**Analysis Date**	: 04/21/20 14:06
Tune Standard	: WG1363751-1	**Tune File ID**	: VE200421NBF1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	21
75	30.0 - 60.0% of mass 95	45
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.2
173	Less than 2.0% of mass 174	0 (0)1
174	Greater than 50.0 of mass 95	77.6
175	5.0 - 9.0% of mass 174	5.7 (7.4)1
176	95.0 - 101% of mass 174	77.1 (99.3)1
177	5.0 - 9.0% of mass 176	4.9 (6.4)2

1-Value is % of mass 174 2-Value is % of mass 176

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
STDLL0.19P	R1306340-1	VE200421N08	04/21/20 16:55
STDLL0.5PP	R1306340-2	VE200421N10	04/21/20 17:38
STDLL2PPB	R1306340-3	VE200421N12	04/21/20 18:21
STDLL10PPB	R1306340-4	VE200421N13	04/21/20 18:43
STDLL30PPB	R1306340-5	VE200421N14	04/21/20 19:05
STDLL80PPB	R1306340-6	VE200421N15	04/21/20 19:26
STDLL120PP	R1306340-7	VE200421N16	04/21/20 19:48
STDLL200PP	R1306340-8	VE200421N17	04/21/20 20:10
ICV Quant Report	R1306340-9	VE200421N23	04/21/20 22:18

Instrument Performance Check (Tune) Summary
Form 5
Volatiles
Bromofluorobenzene (BFB)

Client	: LaBella Associates, P.C.	**Lab Number**	: L2020006
Project Name	: JEFFERSON WOLLENSACK	**Project Number**	: 2182207
Instrument ID	: ELAINE	**Analysis Date**	: 05/19/20 08:29
Tune Standard	: WG1372327-1	**Tune File ID**	: VE200519ABF1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	19.9
75	30.0 - 60.0% of mass 95	45.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.2
173	Less than 2.0% of mass 174	0 (0)1
174	Greater than 50.0 of mass 95	76
175	5.0 - 9.0% of mass 174	5.7 (7.5)1
176	95.0 - 101% of mass 174	75.2 (98.9)1
177	5.0 - 9.0% of mass 176	4.8 (6.4)2

1-Value is % of mass 174 2-Value is % of mass 176

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG1372327-2CCAL	WG1372327-2	VE200519A02	05/19/20 09:05
WG1372327-3LCS	WG1372327-3	VE200519A02	05/19/20 09:05
WG1372327-4LCSD	WG1372327-4	VE200519A03	05/19/20 09:27
WG1372327-5BLANK	WG1372327-5	VE200519A05	05/19/20 10:10
R1MW-02	L2020006-08D	VE200519A06	05/19/20 10:42
QA/QC	L2020006-10D	VE200519A07	05/19/20 11:03

Internal Standard Area and RT Summary
Form 8a
Volatiles

Client	: LaBella Associates, P.C.	**Lab Number**	: L2020006
Project Name	: JEFFERSON WOLLENSACK	**Project Number**	: 2182207
Instrument ID	: VOA105	**Analysis Date**	: 05/18/20 18:05
Sample No	: WG1372229-2	**Lab File ID**	: V05200518N01

	Fluorobenzene (IS)		Chlorobenzene-d5		1,4-Dichlorobenzene-D4	
	Area	RT	Area	RT	Area	RT
WG1372229-2	1103307	6.03	869831	9.56	540562	12.25
Upper Limit	2206614	6.53	1739662	10.06	1081124	12.75
Lower Limit	551654	5.53	434916	9.06	270281	11.75
Sample ID						
WG1372229-3 LCS	1103307	6.03	869831	9.56	540562	12.25
WG1372229-4 LCSD	1095339	6.04	898119	9.56	531874	12.25
WG1372229-5 BLANK	1034390	6.04	847216	9.56	475335	12.25
QA/QC	1058435	6.04	854466	9.56	474132	12.25
BW-01	1012240	6.04	815511	9.56	470340	12.25
SB-MW-14	1129788	6.04	820524	9.56	465596	12.25
SB-MW-15	996586	6.04	873053	9.56	470597	12.25
R1MW-16	973614	6.04	830187	9.56	449150	12.25
SB-MW-07	1036660	6.04	791251	9.56	441763	12.25
R1MW-04	981689	6.04	848637	9.56	451918	12.25
SB-MW-16	1001223	6.04	806608	9.56	459864	12.25
BW-03	989092	6.04	794475	9.56	422026	12.25
BW-01 MS	1034349	6.04	807391	9.56	437468	12.25
BW-01 MSD	1057697	6.04	802305	9.56	441363	12.25

Area Upper Limit = +100% of internal standard area
Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits

Internal Standard Area and RT Summary
Form 8a
Volatiles

Client	: LaBella Associates, P.C.	**Lab Number**	: L2020006
Project Name	: JEFFERSON WOLLENSACK	**Project Number**	: 2182207
Instrument ID	: ELAINE	**Analysis Date**	: 05/19/20 09:05
Sample No	: WG1372327-2	**Lab File ID**	: VE200519A02

	Fluorobenzene (IS)		Chlorobenzene-d5		1,4-Dichlorobenzene-D4	
	Area	RT	Area	RT	Area	RT
WG1372327-2	211540	5.49	159928	8.50	80793	9.99
Upper Limit	423080	5.99	319856	9.00	161586	10.49
Lower Limit	105770	4.99	79964	8.00	40397	9.49
Sample ID						
WG1372327-3 LCS	211540	5.49	159928	8.50	80793	9.99
WG1372327-4 LCSD	208147	5.49	156168	8.49	79112	9.99
WG1372327-5 BLANK	203581	5.49	155625	8.49	74186	9.99
R1MW-02	205703	5.49	154506	8.49	78851	9.99
QA/QC	201546	5.49	142303	8.50	74734	9.99

Area Upper Limit = +100% of internal standard area
Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits

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Volatile Organics - EPA 8260C (WATER)

Holding Time: 14 days
Container / Sample Preservation: 3 - Vial HCl preserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Methylene chloride	75-09-2	3	0.678	ug/l	70-130	20	70-130	20	20			
1,1-Dichloroethane	75-34-3	0.75	0.210	ug/l	70-130	20	70-130	20	20			
Chloroform	67-66-3	0.75	0.222	ug/l	70-130	20	70-130	20	20			
Carbon tetrachloride	56-23-5	0.5	0.134	ug/l	63-132	20	63-132	20	20			
1,2-Dichloropropane	78-87-5	1.75	0.137	ug/l	70-130	20	70-130	20	20			
Dibromochloromethane	124-48-1	0.5	0.149	ug/l	63-130	20	63-130	20	20			
1,1,2-Trichloroethane	79-00-5	0.75	0.144	ug/l	70-130	20	70-130	20	20			
Tetrachloroethene	127-18-4	0.5	0.181	ug/l	70-130	20	70-130	20	20			
Chlorobenzene	108-90-7	0.5	0.178	ug/l	75-130	25	75-130	25	25			
Trichlorofluoromethane	75-69-4	2.5	0.161	ug/l	62-150	20	62-150	20	20			
1,2-Dichloroethane	107-06-2	0.5	0.132	ug/l	70-130	20	70-130	20	20			
1,1,1-Trichloroethane	71-55-6	0.5	0.158	ug/l	67-130	20	67-130	20	20			
Bromodichloromethane	75-27-4	0.5	0.192	ug/l	67-130	20	67-130	20	20			
trans-1,3-Dichloropropene	10061-02-6	0.5	0.164	ug/l	70-130	20	70-130	20	20			
cis-1,3-Dichloropropene	10061-01-5	0.5	0.144	ug/l	70-130	20	70-130	20	20			
1,3-Dichloropropene, Total	542-75-6	0.5	0.144	ug/l				20	20			
1,3-Dichloropropene, Total	542-75-6	0.5	0.144	ug/l				20	20			
1,1-Dichloropropene	563-58-6	2.5	0.240	ug/l	70-130	20	70-130	20	20			
Bromoform	75-25-2	2	0.248	ug/l	54-136	20	54-136	20	20			
1,1,2,2-Tetrachloroethane	79-34-5	0.5	0.167	ug/l	67-130	20	67-130	20	20			
Benzene	71-43-2	0.5	0.159	ug/l	70-130	25	70-130	25	25			
Toluene	108-88-3	0.75	0.203	ug/l	70-130	25	70-130	25	25			
Ethylbenzene	100-41-4	0.5	0.167	ug/l	70-130	20	70-130	20	20			
Chloromethane	74-87-3	2.5	0.200	ug/l	64-130	20	64-130	20	20			
Bromomethane	74-83-9	1	0.256	ug/l	39-139	20	39-139	20	20			
Vinyl chloride	75-01-4	1	0.0714	ug/l	55-140	20	55-140	20	20			
Chloroethane	75-00-3	1	0.134	ug/l	55-138	20	55-138	20	20			
1,1-Dichloroethene	75-35-4	0.5	0.169	ug/l	61-145	25	61-145	25	25			
trans-1,2-Dichloroethene	156-60-5	0.75	0.163	ug/l	70-130	20	70-130	20	20			
1,2-Dichloroethene (total)	540-59-0	0.5	0.163	ug/l				20	20			
1,2-Dichloroethene (total)	540-59-0	0.5	0.163	ug/l				20	20			
Trichloroethene	79-01-6	0.5	0.175	ug/l	70-130	25	70-130	25	25			
1,2-Dichlorobenzene	95-50-1	2.5	0.184	ug/l	70-130	20	70-130	20	20			
1,3-Dichlorobenzene	541-73-1	2.5	0.186	ug/l	70-130	20	70-130	20	20			
1,4-Dichlorobenzene	106-46-7	2.5	0.187	ug/l	70-130	20	70-130	20	20			
Methyl tert butyl ether	1634-04-4	1	0.166	ug/l	63-130	20	63-130	20	20			
p/m-Xylene	179601-23-1	1	0.332	ug/l	70-130	20	70-130	20	20			
o-Xylene	95-47-6	1	0.392	ug/l	70-130	20	70-130	20	20			
Xylene (Total)	1330-20-7	1	0.330	ug/l				20	20			
Xylene (Total)	1330-20-7	1	0.330	ug/l				20	20			
cis-1,2-Dichloroethene	156-59-2	0.5	0.187	ug/l	70-130	20	70-130	20	20			
Dibromomethane	74-95-3	5	0.363	ug/l	70-130	20	70-130	20	20			

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. ***(Soil/Solids only)***
Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.

Volatile Organics - EPA 8260C (WATER)

Holding Time: 14 days
Container / Sample Preservation: 3 - Vial HCl preserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
1,4-Dichlorobutane	110-56-5	5	0.464	ug/l	70-130	20	70-130	20	20			
1,2,3-Trichloropropane	96-18-4	5	0.176	ug/l	64-130	20	64-130	20	20			
Styrene	100-42-5	1	0.359	ug/l	70-130	20	70-130	20	20			
Dichlorodifluoromethane	75-71-8	5	0.244	ug/l	36-147	20	36-147	20	20			
Acetone	67-64-1	5	1.46	ug/l	58-148	20	58-148	20	20			
Carbon disulfide	75-15-0	5	0.299	ug/l	51-130	20	51-130	20	20			
2-Butanone	78-93-3	5	1.94	ug/l	63-138	20	63-138	20	20			
Vinyl acetate	108-05-4	5	0.311	ug/l	70-130	20	70-130	20	20			
4-Methyl-2-pentanone	108-10-1	5	0.416	ug/l	59-130	20	59-130	20	20			
2-Hexanone	591-78-6	5	0.515	ug/l	57-130	20	57-130	20	20			
Ethyl methacrylate	97-63-2	5	0.606	ug/l	70-130	20	70-130	20	20			
Acrylonitrile	107-13-1	5	0.430	ug/l	70-130	20	70-130	20	20			
Bromochloromethane	74-97-5	2.5	0.152	ug/l	70-130	20	70-130	20	20			
Tetrahydrofuran	109-99-9	5	0.525	ug/l	58-130	20	58-130	20	20			
2,2-Dichloropropane	594-20-7	2.5	0.204	ug/l	63-133	20	63-133	20	20			
1,2-Dibromoethane	106-93-4	2	0.193	ug/l	70-130	20	70-130	20	20			
1,3-Dichloropropane	142-28-9	2.5	0.212	ug/l	70-130	20	70-130	20	20			
1,1,1,2-Tetrachloroethane	630-20-6	0.5	0.164	ug/l	64-130	20	64-130	20	20			
Bromobenzene	108-86-1	2.5	0.152	ug/l	70-130	20	70-130	20	20			
n-Butylbenzene	104-51-8	0.5	0.192	ug/l	53-136	20	53-136	20	20			
sec-Butylbenzene	135-98-8	0.5	0.181	ug/l	70-130	20	70-130	20	20			
tert-Butylbenzene	98-06-6	2.5	0.196	ug/l	70-130	20	70-130	20	20			
o-Chlorotoluene	95-49-8	2.5	0.215	ug/l	70-130	20	70-130	20	20			
p-Chlorotoluene	106-43-4	2.5	0.185	ug/l	70-130	20	70-130	20	20			
1,2-Dibromo-3-chloropropane	96-12-8	2.5	0.353	ug/l	41-144	20	41-144	20	20			
Hexachlorobutadiene	87-68-3	0.5	0.217	ug/l	63-130	20	63-130	20	20			
Isopropylbenzene	98-82-8	0.5	0.187	ug/l	70-130	20	70-130	20	20			
p-Isopropyltoluene	99-87-6	0.5	0.188	ug/l	70-130	20	70-130	20	20			
Naphthalene	91-20-3	2.5	0.216	ug/l	70-130	20	70-130	20	20			
n-Propylbenzene	103-65-1	0.5	0.173	ug/l	69-130	20	69-130	20	20			
1,2,3-Trichlorobenzene	87-61-6	2.5	0.234	ug/l	70-130	20	70-130	20	20			
1,2,4-Trichlorobenzene	120-82-1	2.5	0.220	ug/l	70-130	20	70-130	20	20			
1,3,5-Trimethylbenzene	108-67-8	2.5	0.217	ug/l	64-130	20	64-130	20	20			
1,3,5-Trichlorobenzene	108-70-3	2	0.141	ug/l	70-130	20	70-130	20	20			
1,2,4-Trimethylbenzene	95-63-6	2.5	0.191	ug/l	70-130	20	70-130	20	20			
trans-1,4-Dichloro-2-butene	110-57-6	2.5	0.213	ug/l	70-130	20	70-130	20	20			
Ethyl ether	60-29-7	2.5	0.163	ug/l	59-134	20	59-134	20	20			
Methyl Acetate	79-20-9	10	0.234	ug/l	70-130	20	70-130	20	20			
Ethyl Acetate	141-78-6	10	0.716	ug/l	70-130	20	70-130	20	20			
Isopropyl Ether	108-20-3	2	0.425	ug/l	70-130	20	70-130	20	20			
Cyclohexane	110-82-7	10	0.271	ug/l	70-130	20	70-130	20	20			
Ethyl-Tert-Butyl-Ether	637-92-3	2	0.179	ug/l	70-130	20	70-130	20	20			

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. ***(Soil/Solids only)***
Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.

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File: PM5049-1
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Volatile Organics - EPA 8260C (WATER)

Holding Time: 14 days
Container / Sample Preservation: 3 - Vial HCl preserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Tertiary-Amyl Methyl Ether	994-05-8	2	0.278	ug/l	66-130	20	66-130	20	20			
1,4-Dioxane	123-91-1	250	60.8	ug/l	56-162	20	56-162	20	20			
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	10	0.148	ug/l	70-130	20	70-130	20	20			
Methyl cyclohexane	108-87-2	10	0.396	ug/l	70-130	20	70-130	20	20			
1,4-Diethylbenzene	105-05-5	2	0.392	ug/l	70-130	20	70-130	20	20			
4-Ethyltoluene	622-96-8	2	0.340	ug/l	70-130	20	70-130	20	20			
1,2,4,5-Tetramethylbenzene	95-93-2	2	0.542	ug/l	70-130	20	70-130	20	20			
1,2-Dichloroethane-d4	*17060-07-0*									*70-130*		
Toluene-d8	*2037-26-5*									*70-130*		
4-Bromofluorobenzene	*460-00-4*									*70-130*		
Dibromofluoromethane	*1868-53-7*									*70-130*		

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. ***(Soil/Solids only)***
Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.

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File: PM5047-1
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Volatile Organics - EPA 8260C (SOIL-LOW)

Holding Time: 14 days
Container / Sample Preservation: 1 - Vial Large Septa unpreserved (4oz)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Methylene chloride	75-09-2	5	2.29	ug/kg	70-130	30	70-130	30	30			
1,1-Dichloroethane	75-34-3	1	0.145	ug/kg	70-130	30	70-130	30	30			
Chloroform	67-66-3	1.5	0.140	ug/kg	70-130	30	70-130	30	30			
Carbon tetrachloride	56-23-5	1	0.230	ug/kg	70-130	30	70-130	30	30			
1,2-Dichloropropane	78-87-5	1	0.125	ug/kg	70-130	30	70-130	30	30			
Dibromochloromethane	124-48-1	1	0.140	ug/kg	70-130	30	70-130	30	30			
1,1,2-Trichloroethane	79-00-5	1	0.267	ug/kg	70-130	30	70-130	30	30			
Tetrachloroethene	127-18-4	0.5	0.196	ug/kg	70-130	30	70-130	30	30			
Chlorobenzene	108-90-7	0.5	0.127	ug/kg	70-130	30	70-130	30	30			
Trichlorofluoromethane	75-69-4	4	0.695	ug/kg	70-139	30	70-139	30	30			
1,2-Dichloroethane	107-06-2	1	0.257	ug/kg	70-130	30	70-130	30	30			
1,1,1-Trichloroethane	71-55-6	0.5	0.167	ug/kg	70-130	30	70-130	30	30			
Bromodichloromethane	75-27-4	0.5	0.109	ug/kg	70-130	30	70-130	30	30			
trans-1,3-Dichloropropene	10061-02-6	1	0.273	ug/kg	70-130	30	70-130	30	30			
cis-1,3-Dichloropropene	10061-01-5	0.5	0.158	ug/kg	70-130	30	70-130	30	30			
1,3-Dichloropropene, Total	542-75-6	0.5	0.158	ug/kg				30	30			
1,3-Dichloropropene, Total	542-75-6	0.5	0.158	ug/kg				30	30			
1,1-Dichloropropene	563-58-6	0.5	0.159	ug/kg	70-130	30	70-130	30	30			
Bromoform	75-25-2	4	0.246	ug/kg	70-130	30	70-130	30	30			
1,1,2,2-Tetrachloroethane	79-34-5	0.5	0.166	ug/kg	70-130	30	70-130	30	30			
Benzene	71-43-2	0.5	0.166	ug/kg	70-130	30	70-130	30	30			
Toluene	108-88-3	1	0.543	ug/kg	70-130	30	70-130	30	30			
Ethylbenzene	100-41-4	1	0.141	ug/kg	70-130	30	70-130	30	30			
Chloromethane	74-87-3	4	0.932	ug/kg	52-130	30	52-130	30	30			
Bromomethane	74-83-9	2	0.581	ug/kg	57-147	30	57-147	30	30			
Vinyl chloride	75-01-4	1	0.335	ug/kg	67-130	30	67-130	30	30			
Chloroethane	75-00-3	2	0.452	ug/kg	50-151	30	50-151	30	30			
1,1-Dichloroethene	75-35-4	1	0.238	ug/kg	65-135	30	65-135	30	30			
trans-1,2-Dichloroethene	156-60-5	1.5	0.137	ug/kg	70-130	30	70-130	30	30			
Trichloroethene	79-01-6	0.5	0.137	ug/kg	70-130	30	70-130	30	30			
1,2-Dichlorobenzene	95-50-1	2	0.144	ug/kg	70-130	30	70-130	30	30			
1,3-Dichlorobenzene	541-73-1	2	0.148	ug/kg	70-130	30	70-130	30	30			
1,4-Dichlorobenzene	106-46-7	2	0.171	ug/kg	70-130	30	70-130	30	30			
Methyl tert butyl ether	1634-04-4	2	0.201	ug/kg	66-130	30	66-130	30	30			
p/m-Xylene	179601-23-1	2	0.560	ug/kg	70-130	30	70-130	30	30			
o-Xylene	95-47-6	1	0.291	ug/kg	70-130	30	70-130	30	30			
Xylene (Total)	1330-20-7	1	0.291	ug/kg				30	30			
Xylene (Total)	1330-20-7	1	0.291	ug/kg				30	30			
cis-1,2-Dichloroethene	156-59-2	1	0.175	ug/kg	70-130	30	70-130	30	30			
1,2-Dichloroethene (total)	540-59-0	1	0.137	ug/kg				30	30			
1,2-Dichloroethene (total)	540-59-0	1	0.137	ug/kg				30	30			
Dibromomethane	74-95-3	2	0.238	ug/kg	70-130	30	70-130	30	30			

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Volatile Organics - EPA 8260C (SOIL-LOW)

Holding Time: 14 days
Container / Sample Preservation: 1 - Vial Large Septa unpreserved (4oz)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
1,4-Dichlorobutane	110-56-5	10	0.226	ug/kg	70-130	30	70-130	30	30			
1,2,3-Trichloropropane	96-18-4	2	0.127	ug/kg	68-130	30	68-130	30	30			
Styrene	100-42-5	1	0.196	ug/kg	70-130	30	70-130	30	30			
Dichlorodifluoromethane	75-71-8	10	0.915	ug/kg	30-146	30	30-146	30	30			
Acetone	67-64-1	10	4.81	ug/kg	54-140	30	54-140	30	30			
Carbon disulfide	75-15-0	10	4.55	ug/kg	59-130	30	59-130	30	30			
2-Butanone	78-93-3	10	2.22	ug/kg	70-130	30	70-130	30	30			
Vinyl acetate	108-05-4	10	2.15	ug/kg	70-130	30	70-130	30	30			
4-Methyl-2-pentanone	108-10-1	10	1.28	ug/kg	70-130	30	70-130	30	30			
2-Hexanone	591-78-6	10	1.18	ug/kg	70-130	30	70-130	30	30			
Ethyl methacrylate	97-63-2	10	1.58	ug/kg	70-130	30	70-130	30	30			
Acrylonitrile	107-13-1	4	1.15	ug/kg	70-130	30	70-130	30	30			
Bromochloromethane	74-97-5	2	0.205	ug/kg	70-130	30	70-130	30	30			
Tetrahydrofuran	109-99-9	4	1.59	ug/kg	66-130	30	66-130	30	30			
2,2-Dichloropropane	594-20-7	2	0.202	ug/kg	70-130	30	70-130	30	30			
1,2-Dibromoethane	106-93-4	1	0.279	ug/kg	70-130	30	70-130	30	30			
1,3-Dichloropropane	142-28-9	2	0.167	ug/kg	69-130	30	69-130	30	30			
1,1,1,2-Tetrachloroethane	630-20-6	0.5	0.132	ug/kg	70-130	30	70-130	30	30			
Bromobenzene	108-86-1	2	0.145	ug/kg	70-130	30	70-130	30	30			
n-Butylbenzene	104-51-8	1	0.167	ug/kg	70-130	30	70-130	30	30			
sec-Butylbenzene	135-98-8	1	0.146	ug/kg	70-130	30	70-130	30	30			
tert-Butylbenzene	98-06-6	2	0.118	ug/kg	70-130	30	70-130	30	30			
1,3,5-Trichlorobenzene	108-70-3	2	0.173	ug/kg	70-139	30	70-130	30	30			
o-Chlorotoluene	95-49-8	2	0.191	ug/kg	70-130	30	70-130	30	30			
p-Chlorotoluene	106-43-4	2	0.108	ug/kg	70-130	30	70-130	30	30			
1,2-Dibromo-3-chloropropane	96-12-8	3	0.998	ug/kg	68-130	30	68-130	30	30			
Hexachlorobutadiene	87-68-3	4	0.169	ug/kg	67-130	30	67-130	30	30			
Isopropylbenzene	98-82-8	1	0.109	ug/kg	70-130	30	70-130	30	30			
p-Isopropyltoluene	99-87-6	1	0.109	ug/kg	70-130	30	70-130	30	30			
Naphthalene	91-20-3	4	0.650	ug/kg	70-130	30	70-130	30	30			
n-Propylbenzene	103-65-1	1	0.171	ug/kg	70-130	30	70-130	30	30			
1,2,3-Trichlorobenzene	87-61-6	2	0.322	ug/kg	70-130	30	70-130	30	30			
1,2,4-Trichlorobenzene	120-82-1	2	0.272	ug/kg	70-130	30	70-130	30	30			
1,3,5-Trimethylbenzene	108-67-8	2	0.193	ug/kg	70-130	30	70-130	30	30			
1,2,4-Trimethylbenzene	95-63-6	2	0.334	ug/kg	70-130	30	70-130	30	30			
trans-1,4-Dichloro-2-butene	110-57-6	5	1.42	ug/kg	70-130	30	70-130	30	30			
iso-Propyl Alcohol	67-63-0	100	100	ug/kg	70-130	20	70-130	20	20			
Ethyl ether	60-29-7	2	0.341	ug/kg	67-130	30	67-130	30	30			
Methyl Acetate	79-20-9	4	0.950	ug/kg	65-130	30	65-130	30	30			
Ethyl Acetate	141-78-6	10	1.21	ug/kg	70-130	30	70-130	30	30			
Isopropyl Ether	108-20-3	2	0.213	ug/kg	66-130	30	66-130	30	30			
Cyclohexane	110-82-7	10	0.544	ug/kg	70-130	30	70-130	30	30			

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Volatile Organics - EPA 8260C (SOIL-LOW)

Holding Time: 14 days
Container/Sample Preservation: 1 - Vial Large Septa unpreserved (4oz)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Ethyl-Tert-Butyl-Ether	637-92-3	2	0.128	ug/kg	70-130	30	70-130	30	30			
Tertiary-Amyl Methyl Ether	994-05-8	2	0.176	ug/kg	70-130	30	70-130	30	30			
1,4-Dioxane	123-91-1	100	35.1	ug/kg	65-136	30	65-136	30	30			
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	4	0.693	ug/kg	70-130	30	70-130	30	30			
1,2-Dichloroethane-d4	*17060-07-0*									*70-130*		
Toluene-d8	*2037-26-5*									*70-130*		
4-Bromofluorobenzene	*460-00-4*									*70-130*		
Dibromofluoromethane	*1868-53-7*									*70-130*		

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Date Created: 06/19/18
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File: PM5048-1
Page: 1

Volatile Organics - EPA 8260C (SOIL-HIGH)

Holding Time: 14 days
Container / Sample Preservation: 1 - Vial Large Septa unpreserved (4oz)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Methylene chloride	75-09-2	250	115	ug/kg	70-130	30	70-130	30	30			
1,1-Dichloroethane	75-34-3	50	7.25	ug/kg	70-130	30	70-130	30	30			
Chloroform	67-66-3	75	7.00	ug/kg	70-130	30	70-130	30	30			
Carbon tetrachloride	56-23-5	50	11.5	ug/kg	70-130	30	70-130	30	30			
1,2-Dichloropropane	78-87-5	50	6.25	ug/kg	70-130	30	70-130	30	30			
Dibromochloromethane	124-48-1	50	7.00	ug/kg	70-130	30	70-130	30	30			
1,1,2-Trichloroethane	79-00-5	50	13.4	ug/kg	70-130	30	70-130	30	30			
Tetrachloroethene	127-18-4	25	9.80	ug/kg	70-130	30	70-130	30	30			
Chlorobenzene	108-90-7	25	6.35	ug/kg	70-130	30	70-130	30	30			
Trichlorofluoromethane	75-69-4	200	34.8	ug/kg	70-139	30	70-139	30	30			
1,2-Dichloroethane	107-06-2	50	12.9	ug/kg	70-130	30	70-130	30	30			
1,1,1-Trichloroethane	71-55-6	25	8.35	ug/kg	70-130	30	70-130	30	30			
Bromodichloromethane	75-27-4	25	5.45	ug/kg	70-130	30	70-130	30	30			
trans-1,3-Dichloropropene	10061-02-6	50	13.7	ug/kg	70-130	30	70-130	30	30			
cis-1,3-Dichloropropene	10061-01-5	25	7.90	ug/kg	70-130	30	70-130	30	30			
1,3-Dichloropropene, Total	542-75-6	25	7.90	ug/kg				30	30			
1,3-Dichloropropene, Total	542-75-6	25	7.90	ug/kg				30	30			
1,1-Dichloropropene	563-58-6	25	7.95	ug/kg	70-130	30	70-130	30	30			
Bromoform	75-25-2	200	12.3	ug/kg	70-130	30	70-130	30	30			
1,1,2,2-Tetrachloroethane	79-34-5	25	8.30	ug/kg	70-130	30	70-130	30	30			
Benzene	71-43-2	25	8.30	ug/kg	70-130	30	70-130	30	30			
Toluene	108-88-3	50	27.2	ug/kg	70-130	30	70-130	30	30			
Ethylbenzene	100-41-4	50	7.05	ug/kg	70-130	30	70-130	30	30			
Chloromethane	74-87-3	200	46.6	ug/kg	52-130	30	52-130	30	30			
Bromomethane	74-83-9	100	29.1	ug/kg	57-147	30	57-147	30	30			
Vinyl chloride	75-01-4	50	16.8	ug/kg	67-130	30	67-130	30	30			
Chloroethane	75-00-3	100	22.6	ug/kg	50-151	30	50-151	30	30			
1,1-Dichloroethene	75-35-4	50	11.9	ug/kg	65-135	30	65-135	30	30			
trans-1,2-Dichloroethene	156-60-5	75	6.85	ug/kg	70-130	30	70-130	30	30			
Trichloroethene	79-01-6	25	6.85	ug/kg	70-130	30	70-130	30	30			
1,2-Dichlorobenzene	95-50-1	100	7.20	ug/kg	70-130	30	70-130	30	30			
1,3-Dichlorobenzene	541-73-1	100	7.40	ug/kg	70-130	30	70-130	30	30			
1,4-Dichlorobenzene	106-46-7	100	8.55	ug/kg	70-130	30	70-130	30	30			
Methyl tert butyl ether	1634-04-4	100	10.1	ug/kg	66-130	30	66-130	30	30			
p/m-Xylene	179601-23-1	100	28.0	ug/kg	70-130	30	70-130	30	30			
o-Xylene	95-47-6	50	14.6	ug/kg	70-130	30	70-130	30	30			
Xylene (Total)	1330-20-7	50	14.6	ug/kg				30	30			
Xylene (Total)	1330-20-7	50	14.6	ug/kg				30	30			
cis-1,2-Dichloroethene	156-59-2	50	8.75	ug/kg	70-130	30	70-130	30	30			
1,2-Dichloroethene (total)	540-59-0	50	6.85	ug/kg				30	30			
1,2-Dichloroethene (total)	540-59-0	50	6.85	ug/kg				30	30			
Dibromomethane	74-95-3	100	11.9	ug/kg	70-130	30	70-130	30	30			

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Volatile Organics - EPA 8260C (SOIL-HIGH)

Holding Time: 14 days
Container / Sample Preservation: 1 - Vial Large Septa unpreserved (4oz)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
1,4-Dichlorobutane	110-56-5	500	11.3	ug/kg	70-130	30	70-130	30	30			
1,2,3-Trichloropropane	96-18-4	100	6.35	ug/kg	68-130	30	68-130	30	30			
Styrene	100-42-5	50	9.80	ug/kg	70-130	30	70-130	30	30			
Dichlorodifluoromethane	75-71-8	500	45.8	ug/kg	30-146	30	30-146	30	30			
Acetone	67-64-1	500	241	ug/kg	54-140	30	54-140	30	30			
Carbon disulfide	75-15-0	500	228	ug/kg	59-130	30	59-130	30	30			
2-Butanone	78-93-3	500	111	ug/kg	70-130	30	70-130	30	30			
Vinyl acetate	108-05-4	500	108	ug/kg	70-130	30	70-130	30	30			
4-Methyl-2-pentanone	108-10-1	500	64.0	ug/kg	70-130	30	70-130	30	30			
2-Hexanone	591-78-6	500	59.0	ug/kg	70-130	30	70-130	30	30			
Ethyl methacrylate	97-63-2	500	79.0	ug/kg	70-130	30	70-130	30	30			
Acrylonitrile	107-13-1	200	57.5	ug/kg	70-130	30	70-130	30	30			
Bromochloromethane	74-97-5	100	10.3	ug/kg	70-130	30	70-130	30	30			
Tetrahydrofuran	109-99-9	200	79.5	ug/kg	66-130	30	66-130	30	30			
2,2-Dichloropropane	594-20-7	100	10.1	ug/kg	70-130	30	70-130	30	30			
1,2-Dibromoethane	106-93-4	50	14.0	ug/kg	70-130	30	70-130	30	30			
1,3-Dichloropropane	142-28-9	100	8.35	ug/kg	69-130	30	69-130	30	30			
1,1,1,2-Tetrachloroethane	630-20-6	25	6.60	ug/kg	70-130	30	70-130	30	30			
Bromobenzene	108-86-1	100	7.25	ug/kg	70-130	30	70-130	30	30			
n-Butylbenzene	104-51-8	50	8.35	ug/kg	70-130	30	70-130	30	30			
sec-Butylbenzene	135-98-8	50	7.30	ug/kg	70-130	30	70-130	30	30			
tert-Butylbenzene	98-06-6	100	5.90	ug/kg	70-130	30	70-130	30	30			
1,3,5-Trichlorobenzene	108-70-3	100	8.65	ug/kg	70-139	30	70-130	30	30			
o-Chlorotoluene	95-49-8	100	9.55	ug/kg	70-130	30	70-130	30	30			
p-Chlorotoluene	106-43-4	100	5.40	ug/kg	70-130	30	70-130	30	30			
1,2-Dibromo-3-chloropropane	96-12-8	150	49.9	ug/kg	68-130	30	68-130	30	30			
Hexachlorobutadiene	87-68-3	200	8.45	ug/kg	67-130	30	67-130	30	30			
Isopropylbenzene	98-82-8	50	5.45	ug/kg	70-130	30	70-130	30	30			
p-Isopropyltoluene	99-87-6	50	5.45	ug/kg	70-130	30	70-130	30	30			
Naphthalene	91-20-3	200	32.5	ug/kg	70-130	30	70-130	30	30			
n-Propylbenzene	103-65-1	50	8.55	ug/kg	70-130	30	70-130	30	30			
1,2,3-Trichlorobenzene	87-61-6	100	16.1	ug/kg	70-130	30	70-130	30	30			
1,2,4-Trichlorobenzene	120-82-1	100	13.6	ug/kg	70-130	30	70-130	30	30			
1,3,5-Trimethylbenzene	108-67-8	100	9.65	ug/kg	70-130	30	70-130	30	30			
1,2,4-Trimethylbenzene	95-63-6	100	16.7	ug/kg	70-130	30	70-130	30	30			
trans-1,4-Dichloro-2-butene	110-57-6	250	71.0	ug/kg	70-130	30	70-130	30	30			
iso-Propyl Alcohol	67-63-0	5000	5000	ug/kg	70-130	20	70-130	20	20			
Ethyl ether	60-29-7	100	17.1	ug/kg	67-130	30	67-130	30	30			
Methyl Acetate	79-20-9	200	47.5	ug/kg	65-130	30	65-130	30	30			
Ethyl Acetate	141-78-6	500	60.5	ug/kg	70-130	30	70-130	30	30			
Isopropyl Ether	108-20-3	100	10.7	ug/kg	66-130	30	66-130	30	30			
Cyclohexane	110-82-7	500	27.2	ug/kg	70-130	30	70-130	30	30			

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Volatile Organics - EPA 8260C (SOIL-HIGH)

Holding Time: 14 days
Container / Sample Preservation: 1 - Vial Large Septa unpreserved (4oz)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Ethyl-Tert-Butyl-Ether	637-92-3	100	6.40	ug/kg	70-130	30	70-130	30	30			
Tertiary-Amyl Methyl Ether	994-05-8	100	8.80	ug/kg	70-130	30	70-130	30	30			
1,4-Dioxane	123-91-1	5000	1755	ug/kg	65-136	30	65-136	30	30			
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	200	34.7	ug/kg	70-130	30	70-130	30	30			
1,2-Dichloroethane-d4	*17060-07-0*									*70-130*		
Toluene-d8	*2037-26-5*									*70-130*		
4-Bromofluorobenzene	*460-00-4*									*70-130*		
Dibromofluoromethane	*1868-53-7*									*70-130*		

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
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Volatiles Sample Data

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	**Lab Number**	: L2020006
Project Name	: JEFFERSON WOLLENSACK	**Project Number**	: 2182207
Lab ID	: L2020006-01D	**Date Collected**	: 05/12/20 09:00
Client ID	: BW-01	**Date Received**	: 05/14/20
Sample Location	: ROCHESTER, NY	**Date Analyzed**	: 05/19/20 00:40
Sample Matrix	: WATER	**Dilution Factor**	: 40
Analytical Method	: 1,8260C	**Analyst**	: NLK
Lab File ID	: V05200518N18	**Instrument ID**	: VOA105
Sample Amount	: 0.25 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	100	28.	U
75-34-3	1,1-Dichloroethane	ND	100	28.	U
67-66-3	Chloroform	ND	100	28.	U
56-23-5	Carbon tetrachloride	ND	20	5.4	U
78-87-5	1,2-Dichloropropane	ND	40	5.5	U
124-48-1	Dibromochloromethane	ND	20	6.0	U
79-00-5	1,1,2-Trichloroethane	ND	60	20.	U
127-18-4	Tetrachloroethene	13	20	7.2	J
108-90-7	Chlorobenzene	ND	100	28.	U
75-69-4	Trichlorofluoromethane	ND	100	28.	U
107-06-2	1,2-Dichloroethane	ND	20	5.3	U
71-55-6	1,1,1-Trichloroethane	ND	100	28.	U
75-27-4	Bromodichloromethane	ND	20	7.7	U
10061-02-6	trans-1,3-Dichloropropene	ND	20	6.6	U
10061-01-5	cis-1,3-Dichloropropene	ND	20	5.8	U
75-25-2	Bromoform	ND	80	26.	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	20	6.7	U
71-43-2	Benzene	ND	20	6.4	U
108-88-3	Toluene	ND	100	28.	U
100-41-4	Ethylbenzene	ND	100	28.	U
74-87-3	Chloromethane	ND	100	28.	U
74-83-9	Bromomethane	ND	100	28.	U
75-01-4	Vinyl chloride	ND	40	2.8	U
75-00-3	Chloroethane	ND	100	28.	U
75-35-4	1,1-Dichloroethene	ND	20	6.8	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	**Lab Number**	: L2020006
Project Name	: JEFFERSON WOLLENSACK	**Project Number**	: 2182207
Lab ID	: L2020006-01D	**Date Collected**	: 05/12/20 09:00
Client ID	: BW-01	**Date Received**	: 05/14/20
Sample Location	: ROCHESTER, NY	**Date Analyzed**	: 05/19/20 00:40
Sample Matrix	: WATER	**Dilution Factor**	: 40
Analytical Method	: 1,8260C	**Analyst**	: NLK
Lab File ID	: V05200518N18	**Instrument ID**	: VOA105
Sample Amount	: 0.25 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
156-60-5	trans-1,2-Dichloroethene	ND	100	28.	U
79-01-6	Trichloroethene	4500	20	7.0	
95-50-1	1,2-Dichlorobenzene	ND	100	28.	U
541-73-1	1,3-Dichlorobenzene	ND	100	28.	U
106-46-7	1,4-Dichlorobenzene	ND	100	28.	U
1634-04-4	Methyl tert butyl ether	ND	100	28.	U
179601-23-1	p/m-Xylene	ND	100	28.	U
95-47-6	o-Xylene	ND	100	28.	U
156-59-2	cis-1,2-Dichloroethene	180	100	28.	
100-42-5	Styrene	ND	100	28.	U
75-71-8	Dichlorodifluoromethane	ND	200	40.	U
67-64-1	Acetone	ND	200	58.	U
75-15-0	Carbon disulfide	ND	200	40.	U
78-93-3	2-Butanone	ND	200	78.	U
108-10-1	4-Methyl-2-pentanone	ND	200	40.	U
591-78-6	2-Hexanone	ND	200	40.	U
74-97-5	Bromochloromethane	ND	100	28.	U
106-93-4	1,2-Dibromoethane	ND	80	26.	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	100	28.	U
98-82-8	Isopropylbenzene	ND	100	28.	U
87-61-6	1,2,3-Trichlorobenzene	ND	100	28.	U
120-82-1	1,2,4-Trichlorobenzene	ND	100	28.	U
79-20-9	Methyl Acetate	ND	80	9.4	U
110-82-7	Cyclohexane	ND	400	11.	U
123-91-1	1,4-Dioxane	ND	10000	2400	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	**Lab Number**	: L2020006
Project Name	: JEFFERSON WOLLENSACK	**Project Number**	: 2182207
Lab ID	: L2020006-01D	**Date Collected**	: 05/12/20 09:00
Client ID	: BW-01	**Date Received**	: 05/14/20
Sample Location	: ROCHESTER, NY	**Date Analyzed**	: 05/19/20 00:40
Sample Matrix	: WATER	**Dilution Factor**	: 40
Analytical Method	: 1,8260C	**Analyst**	: NLK
Lab File ID	: V05200518N18	**Instrument ID**	: VOA105
Sample Amount	: 0.25 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	100	28.	U
108-87-2	Methyl cyclohexane	ND	400	16.	U

Tentatively Identified Compounds
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	**Lab Number**	: L2020006
Project Name	: JEFFERSON WOLLENSACK	**Project Number**	: 2182207
Lab ID	: L2020006-01D	**Date Collected**	: 05/12/20 09:00
Client ID	: BW-01	**Date Received**	: 05/14/20
Sample Location	: ROCHESTER, NY	**Date Analyzed**	: 05/19/20 00:40
Sample Matrix	: WATER	**Dilution Factor**	: 40
Analytical Method	: 1,8260C	**Analyst**	: NLK
Lab File ID	: V05200518N18	**Instrument ID**	: VOA105
Sample Amount	: 0.25 ml	**GC Column**	: RTX-502.2
Level	:	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

Number TICS found: 3 **Concentration Units: ug/L**

CAS Number	Compound Name	RT	EST. CONC.	Qualifier
	Unknown Aromatic	15.33	128	J
	Unknown Aromatic	15.48	108	J
	Total TIC Compounds		236J	J

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	**Lab Number**	: L2020006
Project Name	: JEFFERSON WOLLENSACK	**Project Number**	: 2182207
Lab ID	: L2020006-02D	**Date Collected**	: 05/12/20 09:20
Client ID	: SB-MW-14	**Date Received**	: 05/14/20
Sample Location	: ROCHESTER, NY	**Date Analyzed**	: 05/19/20 01:04
Sample Matrix	: WATER	**Dilution Factor**	: 500
Analytical Method	: 1,8260C	**Analyst**	: NLK
Lab File ID	: V05200518N19	**Instrument ID**	: VOA105
Sample Amount	: 0.02 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	1200	350	U
75-34-3	1,1-Dichloroethane	ND	1200	350	U
67-66-3	Chloroform	ND	1200	350	U
56-23-5	Carbon tetrachloride	ND	250	67.	U
78-87-5	1,2-Dichloropropane	ND	500	68.	U
124-48-1	Dibromochloromethane	ND	250	74.	U
79-00-5	1,1,2-Trichloroethane	ND	750	250	U
127-18-4	Tetrachloroethene	2000	250	90.	
108-90-7	Chlorobenzene	ND	1200	350	U
75-69-4	Trichlorofluoromethane	ND	1200	350	U
107-06-2	1,2-Dichloroethane	ND	250	66.	U
71-55-6	1,1,1-Trichloroethane	ND	1200	350	U
75-27-4	Bromodichloromethane	ND	250	96.	U
10061-02-6	trans-1,3-Dichloropropene	ND	250	82.	U
10061-01-5	cis-1,3-Dichloropropene	ND	250	72.	U
75-25-2	Bromoform	ND	1000	320	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	250	84.	U
71-43-2	Benzene	ND	250	80.	U
108-88-3	Toluene	ND	1200	350	U
100-41-4	Ethylbenzene	ND	1200	350	U
74-87-3	Chloromethane	ND	1200	350	U
74-83-9	Bromomethane	ND	1200	350	U
75-01-4	Vinyl chloride	ND	500	36.	U
75-00-3	Chloroethane	ND	1200	350	U
75-35-4	1,1-Dichloroethene	ND	250	84.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	**Lab Number**	: L2020006
Project Name	: JEFFERSON WOLLENSACK	**Project Number**	: 2182207
Lab ID	: L2020006-02D	**Date Collected**	: 05/12/20 09:20
Client ID	: SB-MW-14	**Date Received**	: 05/14/20
Sample Location	: ROCHESTER, NY	**Date Analyzed**	: 05/19/20 01:04
Sample Matrix	: WATER	**Dilution Factor**	: 500
Analytical Method	: 1,8260C	**Analyst**	: NLK
Lab File ID	: V05200518N19	**Instrument ID**	: VOA105
Sample Amount	: 0.02 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
156-60-5	trans-1,2-Dichloroethene	ND	1200	350	U
79-01-6	Trichloroethene	74000	250	88.	
95-50-1	1,2-Dichlorobenzene	ND	1200	350	U
541-73-1	1,3-Dichlorobenzene	ND	1200	350	U
106-46-7	1,4-Dichlorobenzene	ND	1200	350	U
1634-04-4	Methyl tert butyl ether	ND	1200	350	U
179601-23-1	p/m-Xylene	ND	1200	350	U
95-47-6	o-Xylene	ND	1200	350	U
156-59-2	cis-1,2-Dichloroethene	ND	1200	350	U
100-42-5	Styrene	ND	1200	350	U
75-71-8	Dichlorodifluoromethane	ND	2500	500	U
67-64-1	Acetone	ND	2500	730	U
75-15-0	Carbon disulfide	ND	2500	500	U
78-93-3	2-Butanone	ND	2500	970	U
108-10-1	4-Methyl-2-pentanone	ND	2500	500	U
591-78-6	2-Hexanone	ND	2500	500	U
74-97-5	Bromochloromethane	ND	1200	350	U
106-93-4	1,2-Dibromoethane	ND	1000	320	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	1200	350	U
98-82-8	Isopropylbenzene	ND	1200	350	U
87-61-6	1,2,3-Trichlorobenzene	ND	1200	350	U
120-82-1	1,2,4-Trichlorobenzene	ND	1200	350	U
79-20-9	Methyl Acetate	ND	1000	120	U
110-82-7	Cyclohexane	ND	5000	140	U
123-91-1	1,4-Dioxane	ND	120000	30000	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	**Lab Number**	: L2020006
Project Name	: JEFFERSON WOLLENSACK	**Project Number**	: 2182207
Lab ID	: L2020006-02D	**Date Collected**	: 05/12/20 09:20
Client ID	: SB-MW-14	**Date Received**	: 05/14/20
Sample Location	: ROCHESTER, NY	**Date Analyzed**	: 05/19/20 01:04
Sample Matrix	: WATER	**Dilution Factor**	: 500
Analytical Method	: 1,8260C	**Analyst**	: NLK
Lab File ID	: V05200518N19	**Instrument ID**	: VOA105
Sample Amount	: 0.02 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	1200	350	U
108-87-2	Methyl cyclohexane	ND	5000	200	U

Tentatively Identified Compounds
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	**Lab Number**	: L2020006
Project Name	: JEFFERSON WOLLENSACK	**Project Number**	: 2182207
Lab ID	: L2020006-02D	**Date Collected**	: 05/12/20 09:20
Client ID	: SB-MW-14	**Date Received**	: 05/14/20
Sample Location	: ROCHESTER, NY	**Date Analyzed**	: 05/19/20 01:04
Sample Matrix	: WATER	**Dilution Factor**	: 500
Analytical Method	: 1,8260C	**Analyst**	: NLK
Lab File ID	: V05200518N19	**Instrument ID**	: VOA105
Sample Amount	: 0.02 ml	**GC Column**	: RTX-502.2
Level	:	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

Number TICS found: 0 **Concentration Units: ug/L**

CAS Number	Compound Name	RT	EST. CONC.	Qualifier
	NO TENTATIVELY IDENTIFIED COMPOUNDS			

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	**Lab Number**	: L2020006
Project Name	: JEFFERSON WOLLENSACK	**Project Number**	: 2182207
Lab ID	: L2020006-03D	**Date Collected**	: 05/12/20 10:10
Client ID	: SB-MW-15	**Date Received**	: 05/14/20
Sample Location	: ROCHESTER, NY	**Date Analyzed**	: 05/19/20 01:27
Sample Matrix	: WATER	**Dilution Factor**	: 100
Analytical Method	: 1,8260C	**Analyst**	: NLK
Lab File ID	: V05200518N20	**Instrument ID**	: VOA105
Sample Amount	: 0.1 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	250	70.	U
75-34-3	1,1-Dichloroethane	ND	250	70.	U
67-66-3	Chloroform	ND	250	70.	U
56-23-5	Carbon tetrachloride	ND	50	13.	U
78-87-5	1,2-Dichloropropane	ND	100	14.	U
124-48-1	Dibromochloromethane	ND	50	15.	U
79-00-5	1,1,2-Trichloroethane	ND	150	50.	U
127-18-4	Tetrachloroethene	20	50	18.	J
108-90-7	Chlorobenzene	ND	250	70.	U
75-69-4	Trichlorofluoromethane	ND	250	70.	U
107-06-2	1,2-Dichloroethane	ND	50	13.	U
71-55-6	1,1,1-Trichloroethane	ND	250	70.	U
75-27-4	Bromodichloromethane	ND	50	19.	U
10061-02-6	trans-1,3-Dichloropropene	ND	50	16.	U
10061-01-5	cis-1,3-Dichloropropene	ND	50	14.	U
75-25-2	Bromoform	ND	200	65.	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	50	17.	U
71-43-2	Benzene	ND	50	16.	U
108-88-3	Toluene	ND	250	70.	U
100-41-4	Ethylbenzene	ND	250	70.	U
74-87-3	Chloromethane	ND	250	70.	U
74-83-9	Bromomethane	ND	250	70.	U
75-01-4	Vinyl chloride	ND	100	7.1	U
75-00-3	Chloroethane	ND	250	70.	U
75-35-4	1,1-Dichloroethene	ND	50	17.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	**Lab Number**	: L2020006
Project Name	: JEFFERSON WOLLENSACK	**Project Number**	: 2182207
Lab ID	: L2020006-03D	**Date Collected**	: 05/12/20 10:10
Client ID	: SB-MW-15	**Date Received**	: 05/14/20
Sample Location	: ROCHESTER, NY	**Date Analyzed**	: 05/19/20 01:27
Sample Matrix	: WATER	**Dilution Factor**	: 100
Analytical Method	: 1,8260C	**Analyst**	: NLK
Lab File ID	: V05200518N20	**Instrument ID**	: VOA105
Sample Amount	: 0.1 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
156-60-5	trans-1,2-Dichloroethene	160	250	70.	J
79-01-6	Trichloroethene	9700	50	18.	
95-50-1	1,2-Dichlorobenzene	ND	250	70.	U
541-73-1	1,3-Dichlorobenzene	ND	250	70.	U
106-46-7	1,4-Dichlorobenzene	ND	250	70.	U
1634-04-4	Methyl tert butyl ether	ND	250	70.	U
179601-23-1	p/m-Xylene	ND	250	70.	U
95-47-6	o-Xylene	ND	250	70.	U
156-59-2	cis-1,2-Dichloroethene	260	250	70.	
100-42-5	Styrene	ND	250	70.	U
75-71-8	Dichlorodifluoromethane	ND	500	100	U
67-64-1	Acetone	ND	500	150	U
75-15-0	Carbon disulfide	ND	500	100	U
78-93-3	2-Butanone	ND	500	190	U
108-10-1	4-Methyl-2-pentanone	ND	500	100	U
591-78-6	2-Hexanone	ND	500	100	U
74-97-5	Bromochloromethane	ND	250	70.	U
106-93-4	1,2-Dibromoethane	ND	200	65.	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	250	70.	U
98-82-8	Isopropylbenzene	ND	250	70.	U
87-61-6	1,2,3-Trichlorobenzene	ND	250	70.	U
120-82-1	1,2,4-Trichlorobenzene	ND	250	70.	U
79-20-9	Methyl Acetate	ND	200	23.	U
110-82-7	Cyclohexane	ND	1000	27.	U
123-91-1	1,4-Dioxane	ND	25000	6100	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	**Lab Number**	: L2020006
Project Name	: JEFFERSON WOLLENSACK	**Project Number**	: 2182207
Lab ID	: L2020006-03D	**Date Collected**	: 05/12/20 10:10
Client ID	: SB-MW-15	**Date Received**	: 05/14/20
Sample Location	: ROCHESTER, NY	**Date Analyzed**	: 05/19/20 01:27
Sample Matrix	: WATER	**Dilution Factor**	: 100
Analytical Method	: 1,8260C	**Analyst**	: NLK
Lab File ID	: V05200518N20	**Instrument ID**	: VOA105
Sample Amount	: 0.1 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	250	70.	U
108-87-2	Methyl cyclohexane	ND	1000	40.	U

Tentatively Identified Compounds
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	**Lab Number**	: L2020006
Project Name	: JEFFERSON WOLLENSACK	**Project Number**	: 2182207
Lab ID	: L2020006-03D	**Date Collected**	: 05/12/20 10:10
Client ID	: SB-MW-15	**Date Received**	: 05/14/20
Sample Location	: ROCHESTER, NY	**Date Analyzed**	: 05/19/20 01:27
Sample Matrix	: WATER	**Dilution Factor**	: 100
Analytical Method	: 1,8260C	**Analyst**	: NLK
Lab File ID	: V05200518N20	**Instrument ID**	: VOA105
Sample Amount	: 0.1 ml	**GC Column**	: RTX-502.2
Level	:	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

Number TICS found: 0 **Concentration Units: ug/L**

CAS Number	Compound Name	RT	EST. CONC.	Qualifier
	NO TENTATIVELY IDENTIFIED COMPOUNDS			

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	**Lab Number**	: L2020006
Project Name	: JEFFERSON WOLLENSACK	**Project Number**	: 2182207
Lab ID	: L2020006-04D	**Date Collected**	: 05/13/20 08:50
Client ID	: R1MW-16	**Date Received**	: 05/14/20
Sample Location	: ROCHESTER, NY	**Date Analyzed**	: 05/19/20 01:50
Sample Matrix	: WATER	**Dilution Factor**	: 40
Analytical Method	: 1,8260C	**Analyst**	: NLK
Lab File ID	: V05200518N21	**Instrument ID**	: VOA105
Sample Amount	: 0.25 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	100	28.	U
75-34-3	1,1-Dichloroethane	ND	100	28.	U
67-66-3	Chloroform	ND	100	28.	U
56-23-5	Carbon tetrachloride	ND	20	5.4	U
78-87-5	1,2-Dichloropropane	ND	40	5.5	U
124-48-1	Dibromochloromethane	ND	20	6.0	U
79-00-5	1,1,2-Trichloroethane	ND	60	20.	U
127-18-4	Tetrachloroethene	50	20	7.2	
108-90-7	Chlorobenzene	ND	100	28.	U
75-69-4	Trichlorofluoromethane	ND	100	28.	U
107-06-2	1,2-Dichloroethane	ND	20	5.3	U
71-55-6	1,1,1-Trichloroethane	ND	100	28.	U
75-27-4	Bromodichloromethane	ND	20	7.7	U
10061-02-6	trans-1,3-Dichloropropene	ND	20	6.6	U
10061-01-5	cis-1,3-Dichloropropene	ND	20	5.8	U
75-25-2	Bromoform	ND	80	26.	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	20	6.7	U
71-43-2	Benzene	ND	20	6.4	U
108-88-3	Toluene	ND	100	28.	U
100-41-4	Ethylbenzene	ND	100	28.	U
74-87-3	Chloromethane	ND	100	28.	U
74-83-9	Bromomethane	ND	100	28.	U
75-01-4	Vinyl chloride	ND	40	2.8	U
75-00-3	Chloroethane	ND	100	28.	U
75-35-4	1,1-Dichloroethene	ND	20	6.8	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	**Lab Number**	: L2020006
Project Name	: JEFFERSON WOLLENSACK	**Project Number**	: 2182207
Lab ID	: L2020006-04D	**Date Collected**	: 05/13/20 08:50
Client ID	: R1MW-16	**Date Received**	: 05/14/20
Sample Location	: ROCHESTER, NY	**Date Analyzed**	: 05/19/20 01:50
Sample Matrix	: WATER	**Dilution Factor**	: 40
Analytical Method	: 1,8260C	**Analyst**	: NLK
Lab File ID	: V05200518N21	**Instrument ID**	: VOA105
Sample Amount	: 0.25 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
156-60-5	trans-1,2-Dichloroethene	ND	100	28.	U
79-01-6	Trichloroethene	5800	20	7.0	
95-50-1	1,2-Dichlorobenzene	ND	100	28.	U
541-73-1	1,3-Dichlorobenzene	ND	100	28.	U
106-46-7	1,4-Dichlorobenzene	ND	100	28.	U
1634-04-4	Methyl tert butyl ether	ND	100	28.	U
179601-23-1	p/m-Xylene	ND	100	28.	U
95-47-6	o-Xylene	ND	100	28.	U
156-59-2	cis-1,2-Dichloroethene	ND	100	28.	U
100-42-5	Styrene	ND	100	28.	U
75-71-8	Dichlorodifluoromethane	ND	200	40.	U
67-64-1	Acetone	ND	200	58.	U
75-15-0	Carbon disulfide	ND	200	40.	U
78-93-3	2-Butanone	ND	200	78.	U
108-10-1	4-Methyl-2-pentanone	ND	200	40.	U
591-78-6	2-Hexanone	ND	200	40.	U
74-97-5	Bromochloromethane	ND	100	28.	U
106-93-4	1,2-Dibromoethane	ND	80	26.	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	100	28.	U
98-82-8	Isopropylbenzene	ND	100	28.	U
87-61-6	1,2,3-Trichlorobenzene	ND	100	28.	U
120-82-1	1,2,4-Trichlorobenzene	ND	100	28.	U
79-20-9	Methyl Acetate	ND	80	9.4	U
110-82-7	Cyclohexane	ND	400	11.	U
123-91-1	1,4-Dioxane	ND	10000	2400	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	**Lab Number**	: L2020006
Project Name	: JEFFERSON WOLLENSACK	**Project Number**	: 2182207
Lab ID	: L2020006-04D	**Date Collected**	: 05/13/20 08:50
Client ID	: R1MW-16	**Date Received**	: 05/14/20
Sample Location	: ROCHESTER, NY	**Date Analyzed**	: 05/19/20 01:50
Sample Matrix	: WATER	**Dilution Factor**	: 40
Analytical Method	: 1,8260C	**Analyst**	: NLK
Lab File ID	: V05200518N21	**Instrument ID**	: VOA105
Sample Amount	: 0.25 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	100	28.	U
108-87-2	Methyl cyclohexane	ND	400	16.	U

Tentatively Identified Compounds
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	**Lab Number**	: L2020006
Project Name	: JEFFERSON WOLLENSACK	**Project Number**	: 2182207
Lab ID	: L2020006-04D	**Date Collected**	: 05/13/20 08:50
Client ID	: R1MW-16	**Date Received**	: 05/14/20
Sample Location	: ROCHESTER, NY	**Date Analyzed**	: 05/19/20 01:50
Sample Matrix	: WATER	**Dilution Factor**	: 40
Analytical Method	: 1,8260C	**Analyst**	: NLK
Lab File ID	: V05200518N21	**Instrument ID**	: VOA105
Sample Amount	: 0.25 ml	**GC Column**	: RTX-502.2
Level	:	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

Number TICS found: 0 **Concentration Units: ug/L**

CAS Number	Compound Name	RT	EST. CONC.	Qualifier
	NO TENTATIVELY IDENTIFIED COMPOUNDS			

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	Lab Number	: L2020006
Project Name	: JEFFERSON WOLLENSACK	Project Number	: 2182207
Lab ID	: L2020006-05D	Date Collected	: 05/12/20 10:40
Client ID	: SB-MW-07	Date Received	: 05/14/20
Sample Location	: ROCHESTER, NY	Date Analyzed	: 05/19/20 02:14
Sample Matrix	: WATER	Dilution Factor	: 100
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: V05200518N22	Instrument ID	: VOA105
Sample Amount	: 0.1 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	250	70.	U
75-34-3	1,1-Dichloroethane	ND	250	70.	U
67-66-3	Chloroform	ND	250	70.	U
56-23-5	Carbon tetrachloride	ND	50	13.	U
78-87-5	1,2-Dichloropropane	ND	100	14.	U
124-48-1	Dibromochloromethane	ND	50	15.	U
79-00-5	1,1,2-Trichloroethane	ND	150	50.	U
127-18-4	Tetrachloroethene	81	50	18.	
108-90-7	Chlorobenzene	ND	250	70.	U
75-69-4	Trichlorofluoromethane	ND	250	70.	U
107-06-2	1,2-Dichloroethane	ND	50	13.	U
71-55-6	1,1,1-Trichloroethane	ND	250	70.	U
75-27-4	Bromodichloromethane	ND	50	19.	U
10061-02-6	trans-1,3-Dichloropropene	ND	50	16.	U
10061-01-5	cis-1,3-Dichloropropene	ND	50	14.	U
75-25-2	Bromoform	ND	200	65.	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	50	17.	U
71-43-2	Benzene	ND	50	16.	U
108-88-3	Toluene	ND	250	70.	U
100-41-4	Ethylbenzene	ND	250	70.	U
74-87-3	Chloromethane	ND	250	70.	U
74-83-9	Bromomethane	ND	250	70.	U
75-01-4	Vinyl chloride	ND	100	7.1	U
75-00-3	Chloroethane	ND	250	70.	U
75-35-4	1,1-Dichloroethene	ND	50	17.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	**Lab Number**	: L2020006
Project Name	: JEFFERSON WOLLENSACK	**Project Number**	: 2182207
Lab ID	: L2020006-05D	**Date Collected**	: 05/12/20 10:40
Client ID	: SB-MW-07	**Date Received**	: 05/14/20
Sample Location	: ROCHESTER, NY	**Date Analyzed**	: 05/19/20 02:14
Sample Matrix	: WATER	**Dilution Factor**	: 100
Analytical Method	: 1,8260C	**Analyst**	: NLK
Lab File ID	: V05200518N22	**Instrument ID**	: VOA105
Sample Amount	: 0.1 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
156-60-5	trans-1,2-Dichloroethene	ND	250	70.	U
79-01-6	Trichloroethene	14000	50	18.	
95-50-1	1,2-Dichlorobenzene	ND	250	70.	U
541-73-1	1,3-Dichlorobenzene	ND	250	70.	U
106-46-7	1,4-Dichlorobenzene	ND	250	70.	U
1634-04-4	Methyl tert butyl ether	ND	250	70.	U
179601-23-1	p/m-Xylene	ND	250	70.	U
95-47-6	o-Xylene	ND	250	70.	U
156-59-2	cis-1,2-Dichloroethene	ND	250	70.	U
100-42-5	Styrene	ND	250	70.	U
75-71-8	Dichlorodifluoromethane	ND	500	100	U
67-64-1	Acetone	ND	500	150	U
75-15-0	Carbon disulfide	ND	500	100	U
78-93-3	2-Butanone	ND	500	190	U
108-10-1	4-Methyl-2-pentanone	ND	500	100	U
591-78-6	2-Hexanone	ND	500	100	U
74-97-5	Bromochloromethane	ND	250	70.	U
106-93-4	1,2-Dibromoethane	ND	200	65.	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	250	70.	U
98-82-8	Isopropylbenzene	ND	250	70.	U
87-61-6	1,2,3-Trichlorobenzene	ND	250	70.	U
120-82-1	1,2,4-Trichlorobenzene	ND	250	70.	U
79-20-9	Methyl Acetate	ND	200	23.	U
110-82-7	Cyclohexane	ND	1000	27.	U
123-91-1	1,4-Dioxane	ND	25000	6100	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	**Lab Number**	: L2020006
Project Name	: JEFFERSON WOLLENSACK	**Project Number**	: 2182207
Lab ID	: L2020006-05D	**Date Collected**	: 05/12/20 10:40
Client ID	: SB-MW-07	**Date Received**	: 05/14/20
Sample Location	: ROCHESTER, NY	**Date Analyzed**	: 05/19/20 02:14
Sample Matrix	: WATER	**Dilution Factor**	: 100
Analytical Method	: 1,8260C	**Analyst**	: NLK
Lab File ID	: V05200518N22	**Instrument ID**	: VOA105
Sample Amount	: 0.1 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	250	70.	U
108-87-2	Methyl cyclohexane	ND	1000	40.	U

Tentatively Identified Compounds
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	**Lab Number**	: L2020006
Project Name	: JEFFERSON WOLLENSACK	**Project Number**	: 2182207
Lab ID	: L2020006-05D	**Date Collected**	: 05/12/20 10:40
Client ID	: SB-MW-07	**Date Received**	: 05/14/20
Sample Location	: ROCHESTER, NY	**Date Analyzed**	: 05/19/20 02:14
Sample Matrix	: WATER	**Dilution Factor**	: 100
Analytical Method	: 1,8260C	**Analyst**	: NLK
Lab File ID	: V05200518N22	**Instrument ID**	: VOA105
Sample Amount	: 0.1 ml	**GC Column**	: RTX-502.2
Level	:	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

Number TICS found: 0 **Concentration Units: ug/L**

CAS Number	Compound Name	RT	EST. CONC.	Qualifier
	NO TENTATIVELY IDENTIFIED COMPOUNDS			

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	**Lab Number**	: L2020006
Project Name	: JEFFERSON WOLLENSACK	**Project Number**	: 2182207
Lab ID	: L2020006-06D	**Date Collected**	: 05/13/20 09:40
Client ID	: R1MW-04	**Date Received**	: 05/14/20
Sample Location	: ROCHESTER, NY	**Date Analyzed**	: 05/19/20 02:37
Sample Matrix	: WATER	**Dilution Factor**	: 2
Analytical Method	: 1,8260C	**Analyst**	: NLK
Lab File ID	: V05200518N23	**Instrument ID**	: VOA105
Sample Amount	: 5 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	5.0	1.4	U
75-34-3	1,1-Dichloroethane	ND	5.0	1.4	U
67-66-3	Chloroform	2.0	5.0	1.4	J
56-23-5	Carbon tetrachloride	ND	1.0	0.27	U
78-87-5	1,2-Dichloropropane	ND	2.0	0.27	U
124-48-1	Dibromochloromethane	ND	1.0	0.30	U
79-00-5	1,1,2-Trichloroethane	ND	3.0	1.0	U
127-18-4	Tetrachloroethene	180	1.0	0.36	
108-90-7	Chlorobenzene	ND	5.0	1.4	U
75-69-4	Trichlorofluoromethane	ND	5.0	1.4	U
107-06-2	1,2-Dichloroethane	ND	1.0	0.26	U
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.4	U
75-27-4	Bromodichloromethane	ND	1.0	0.38	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.33	U
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.29	U
75-25-2	Bromoform	ND	4.0	1.3	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.33	U
71-43-2	Benzene	ND	1.0	0.32	U
108-88-3	Toluene	ND	5.0	1.4	U
100-41-4	Ethylbenzene	ND	5.0	1.4	U
74-87-3	Chloromethane	ND	5.0	1.4	U
74-83-9	Bromomethane	ND	5.0	1.4	U
75-01-4	Vinyl chloride	12	2.0	0.14	
75-00-3	Chloroethane	ND	5.0	1.4	U
75-35-4	1,1-Dichloroethene	ND	1.0	0.34	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	**Lab Number**	: L2020006
Project Name	: JEFFERSON WOLLENSACK	**Project Number**	: 2182207
Lab ID	: L2020006-06D	**Date Collected**	: 05/13/20 09:40
Client ID	: R1MW-04	**Date Received**	: 05/14/20
Sample Location	: ROCHESTER, NY	**Date Analyzed**	: 05/19/20 02:37
Sample Matrix	: WATER	**Dilution Factor**	: 2
Analytical Method	: 1,8260C	**Analyst**	: NLK
Lab File ID	: V05200518N23	**Instrument ID**	: VOA105
Sample Amount	: 5 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
156-60-5	trans-1,2-Dichloroethene	7.0	5.0	1.4	
79-01-6	Trichloroethene	290	1.0	0.35	
95-50-1	1,2-Dichlorobenzene	ND	5.0	1.4	U
541-73-1	1,3-Dichlorobenzene	ND	5.0	1.4	U
106-46-7	1,4-Dichlorobenzene	ND	5.0	1.4	U
1634-04-4	Methyl tert butyl ether	ND	5.0	1.4	U
179601-23-1	p/m-Xylene	ND	5.0	1.4	U
95-47-6	o-Xylene	ND	5.0	1.4	U
156-59-2	cis-1,2-Dichloroethene	41	5.0	1.4	
100-42-5	Styrene	ND	5.0	1.4	U
75-71-8	Dichlorodifluoromethane	ND	10	2.0	U
67-64-1	Acetone	44	10	2.9	
75-15-0	Carbon disulfide	ND	10	2.0	U
78-93-3	2-Butanone	9.0	10	3.9	J
108-10-1	4-Methyl-2-pentanone	ND	10	2.0	U
591-78-6	2-Hexanone	ND	10	2.0	U
74-97-5	Bromochloromethane	ND	5.0	1.4	U
106-93-4	1,2-Dibromoethane	ND	4.0	1.3	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	1.4	U
98-82-8	Isopropylbenzene	ND	5.0	1.4	U
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	1.4	U
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	1.4	U
79-20-9	Methyl Acetate	ND	4.0	0.47	U
110-82-7	Cyclohexane	ND	20	0.54	U
123-91-1	1,4-Dioxane	ND	500	120	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	**Lab Number**	: L2020006
Project Name	: JEFFERSON WOLLENSACK	**Project Number**	: 2182207
Lab ID	: L2020006-06D	**Date Collected**	: 05/13/20 09:40
Client ID	: R1MW-04	**Date Received**	: 05/14/20
Sample Location	: ROCHESTER, NY	**Date Analyzed**	: 05/19/20 02:37
Sample Matrix	: WATER	**Dilution Factor**	: 2
Analytical Method	: 1,8260C	**Analyst**	: NLK
Lab File ID	: V05200518N23	**Instrument ID**	: VOA105
Sample Amount	: 5 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	5.0	1.4	U
108-87-2	Methyl cyclohexane	ND	20	0.79	U

Tentatively Identified Compounds
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	**Lab Number**	: L2020006
Project Name	: JEFFERSON WOLLENSACK	**Project Number**	: 2182207
Lab ID	: L2020006-06D	**Date Collected**	: 05/13/20 09:40
Client ID	: R1MW-04	**Date Received**	: 05/14/20
Sample Location	: ROCHESTER, NY	**Date Analyzed**	: 05/19/20 02:37
Sample Matrix	: WATER	**Dilution Factor**	: 2
Analytical Method	: 1,8260C	**Analyst**	: NLK
Lab File ID	: V05200518N23	**Instrument ID**	: VOA105
Sample Amount	: 5 ml	**GC Column**	: RTX-502.2
Level	:	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

Number TICS found: 5 **Concentration Units: ug/L**

CAS Number	Compound Name	RT	EST. CONC.	Qualifier
	Unknown Benzene	13.70	7.5	J
	Unknown Aromatic	14.69	6.3	J
	Unknown Aromatic	14.82	4.92	J
	Unknown Aromatic	15.33	7.02	J
	Total TIC Compounds		25.7J	J

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	**Lab Number**	: L2020006
Project Name	: JEFFERSON WOLLENSACK	**Project Number**	: 2182207
Lab ID	: L2020006-07D	**Date Collected**	: 05/13/20 11:00
Client ID	: SB-MW-16	**Date Received**	: 05/14/20
Sample Location	: ROCHESTER, NY	**Date Analyzed**	: 05/19/20 03:00
Sample Matrix	: WATER	**Dilution Factor**	: 2.5
Analytical Method	: 1,8260C	**Analyst**	: NLK
Lab File ID	: V05200518N24	**Instrument ID**	: VOA105
Sample Amount	: 4 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	6.2	1.8	U
75-34-3	1,1-Dichloroethane	ND	6.2	1.8	U
67-66-3	Chloroform	3.6	6.2	1.8	J
56-23-5	Carbon tetrachloride	ND	1.2	0.34	U
78-87-5	1,2-Dichloropropane	ND	2.5	0.34	U
124-48-1	Dibromochloromethane	ND	1.2	0.37	U
79-00-5	1,1,2-Trichloroethane	ND	3.8	1.2	U
127-18-4	Tetrachloroethene	19	1.2	0.45	
108-90-7	Chlorobenzene	ND	6.2	1.8	U
75-69-4	Trichlorofluoromethane	ND	6.2	1.8	U
107-06-2	1,2-Dichloroethane	ND	1.2	0.33	U
71-55-6	1,1,1-Trichloroethane	ND	6.2	1.8	U
75-27-4	Bromodichloromethane	ND	1.2	0.48	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.2	0.41	U
10061-01-5	cis-1,3-Dichloropropene	ND	1.2	0.36	U
75-25-2	Bromoform	ND	5.0	1.6	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.2	0.42	U
71-43-2	Benzene	ND	1.2	0.40	U
108-88-3	Toluene	ND	6.2	1.8	U
100-41-4	Ethylbenzene	ND	6.2	1.8	U
74-87-3	Chloromethane	ND	6.2	1.8	U
74-83-9	Bromomethane	ND	6.2	1.8	U
75-01-4	Vinyl chloride	ND	2.5	0.18	U
75-00-3	Chloroethane	ND	6.2	1.8	U
75-35-4	1,1-Dichloroethene	ND	1.2	0.42	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	**Lab Number**	: L2020006
Project Name	: JEFFERSON WOLLENSACK	**Project Number**	: 2182207
Lab ID	: L2020006-07D	**Date Collected**	: 05/13/20 11:00
Client ID	: SB-MW-16	**Date Received**	: 05/14/20
Sample Location	: ROCHESTER, NY	**Date Analyzed**	: 05/19/20 03:00
Sample Matrix	: WATER	**Dilution Factor**	: 2.5
Analytical Method	: 1,8260C	**Analyst**	: NLK
Lab File ID	: V05200518N24	**Instrument ID**	: VOA105
Sample Amount	: 4 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
156-60-5	trans-1,2-Dichloroethene	ND	6.2	1.8	U
79-01-6	Trichloroethene	260	1.2	0.44	
95-50-1	1,2-Dichlorobenzene	ND	6.2	1.8	U
541-73-1	1,3-Dichlorobenzene	ND	6.2	1.8	U
106-46-7	1,4-Dichlorobenzene	ND	6.2	1.8	U
1634-04-4	Methyl tert butyl ether	ND	6.2	1.8	U
179601-23-1	p/m-Xylene	ND	6.2	1.8	U
95-47-6	o-Xylene	ND	6.2	1.8	U
156-59-2	cis-1,2-Dichloroethene	8.5	6.2	1.8	
100-42-5	Styrene	ND	6.2	1.8	U
75-71-8	Dichlorodifluoromethane	ND	12	2.5	U
67-64-1	Acetone	240	12	3.6	
75-15-0	Carbon disulfide	ND	12	2.5	U
78-93-3	2-Butanone	99	12	4.8	
108-10-1	4-Methyl-2-pentanone	ND	12	2.5	U
591-78-6	2-Hexanone	ND	12	2.5	U
74-97-5	Bromochloromethane	ND	6.2	1.8	U
106-93-4	1,2-Dibromoethane	ND	5.0	1.6	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	6.2	1.8	U
98-82-8	Isopropylbenzene	ND	6.2	1.8	U
87-61-6	1,2,3-Trichlorobenzene	ND	6.2	1.8	U
120-82-1	1,2,4-Trichlorobenzene	ND	6.2	1.8	U
79-20-9	Methyl Acetate	ND	5.0	0.58	U
110-82-7	Cyclohexane	ND	25	0.68	U
123-91-1	1,4-Dioxane	ND	620	150	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	**Lab Number**	: L2020006
Project Name	: JEFFERSON WOLLENSACK	**Project Number**	: 2182207
Lab ID	: L2020006-07D	**Date Collected**	: 05/13/20 11:00
Client ID	: SB-MW-16	**Date Received**	: 05/14/20
Sample Location	: ROCHESTER, NY	**Date Analyzed**	: 05/19/20 03:00
Sample Matrix	: WATER	**Dilution Factor**	: 2.5
Analytical Method	: 1,8260C	**Analyst**	: NLK
Lab File ID	: V05200518N24	**Instrument ID**	: VOA105
Sample Amount	: 4 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	6.2	1.8	U
108-87-2	Methyl cyclohexane	ND	25	0.99	U

Tentatively Identified Compounds
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	**Lab Number**	: L2020006
Project Name	: JEFFERSON WOLLENSACK	**Project Number**	: 2182207
Lab ID	: L2020006-07D	**Date Collected**	: 05/13/20 11:00
Client ID	: SB-MW-16	**Date Received**	: 05/14/20
Sample Location	: ROCHESTER, NY	**Date Analyzed**	: 05/19/20 03:00
Sample Matrix	: WATER	**Dilution Factor**	: 2.5
Analytical Method	: 1,8260C	**Analyst**	: NLK
Lab File ID	: V05200518N24	**Instrument ID**	: VOA105
Sample Amount	: 4 ml	**GC Column**	: RTX-502.2
Level	:	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

Number TICS found: 0 **Concentration Units: ug/L**

CAS Number	Compound Name	RT	EST. CONC.	Qualifier
	NO TENTATIVELY IDENTIFIED COMPOUNDS			

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	**Lab Number**	: L2020006
Project Name	: JEFFERSON WOLLENSACK	**Project Number**	: 2182207
Lab ID	: L2020006-08D	**Date Collected**	: 05/13/20 10:10
Client ID	: R1MW-02	**Date Received**	: 05/14/20
Sample Location	: ROCHESTER, NY	**Date Analyzed**	: 05/19/20 10:42
Sample Matrix	: WATER	**Dilution Factor**	: 2
Analytical Method	: 1,8260C	**Analyst**	: PD
Lab File ID	: VE200519A06	**Instrument ID**	: ELAINE
Sample Amount	: 5 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	5.0	1.4	U
75-34-3	1,1-Dichloroethane	ND	5.0	1.4	U
67-66-3	Chloroform	1.7	5.0	1.4	J
56-23-5	Carbon tetrachloride	ND	1.0	0.27	U
78-87-5	1,2-Dichloropropane	ND	2.0	0.27	U
124-48-1	Dibromochloromethane	ND	1.0	0.30	U
79-00-5	1,1,2-Trichloroethane	ND	3.0	1.0	U
127-18-4	Tetrachloroethene	9.3	1.0	0.36	
108-90-7	Chlorobenzene	ND	5.0	1.4	U
75-69-4	Trichlorofluoromethane	ND	5.0	1.4	U
107-06-2	1,2-Dichloroethane	ND	1.0	0.26	U
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.4	U
75-27-4	Bromodichloromethane	ND	1.0	0.38	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.33	U
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.29	U
75-25-2	Bromoform	ND	4.0	1.3	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.33	U
71-43-2	Benzene	ND	1.0	0.32	U
108-88-3	Toluene	ND	5.0	1.4	U
100-41-4	Ethylbenzene	ND	5.0	1.4	U
74-87-3	Chloromethane	ND	5.0	1.4	U
74-83-9	Bromomethane	ND	5.0	1.4	U
75-01-4	Vinyl chloride	0.18	2.0	0.14	J
75-00-3	Chloroethane	ND	5.0	1.4	U
75-35-4	1,1-Dichloroethene	ND	1.0	0.34	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	**Lab Number**	: L2020006
Project Name	: JEFFERSON WOLLENSACK	**Project Number**	: 2182207
Lab ID	: L2020006-08D	**Date Collected**	: 05/13/20 10:10
Client ID	: R1MW-02	**Date Received**	: 05/14/20
Sample Location	: ROCHESTER, NY	**Date Analyzed**	: 05/19/20 10:42
Sample Matrix	: WATER	**Dilution Factor**	: 2
Analytical Method	: 1,8260C	**Analyst**	: PD
Lab File ID	: VE200519A06	**Instrument ID**	: ELAINE
Sample Amount	: 5 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
156-60-5	trans-1,2-Dichloroethene	ND	5.0	1.4	U
79-01-6	Trichloroethene	53	1.0	0.35	
95-50-1	1,2-Dichlorobenzene	ND	5.0	1.4	U
541-73-1	1,3-Dichlorobenzene	ND	5.0	1.4	U
106-46-7	1,4-Dichlorobenzene	ND	5.0	1.4	U
1634-04-4	Methyl tert butyl ether	ND	5.0	1.4	U
179601-23-1	p/m-Xylene	ND	5.0	1.4	U
95-47-6	o-Xylene	ND	5.0	1.4	U
156-59-2	cis-1,2-Dichloroethene	1.9	5.0	1.4	J
100-42-5	Styrene	ND	5.0	1.4	U
75-71-8	Dichlorodifluoromethane	ND	10	2.0	U
67-64-1	Acetone	9.4	10	2.9	J
75-15-0	Carbon disulfide	ND	10	2.0	U
78-93-3	2-Butanone	4.3	10	3.9	J
108-10-1	4-Methyl-2-pentanone	ND	10	2.0	U
591-78-6	2-Hexanone	ND	10	2.0	U
74-97-5	Bromochloromethane	ND	5.0	1.4	U
106-93-4	1,2-Dibromoethane	ND	4.0	1.3	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	1.4	U
98-82-8	Isopropylbenzene	ND	5.0	1.4	U
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	1.4	U
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	1.4	U
79-20-9	Methyl Acetate	ND	4.0	0.47	U
110-82-7	Cyclohexane	ND	20	0.54	U
123-91-1	1,4-Dioxane	ND	500	120	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	**Lab Number**	: L2020006
Project Name	: JEFFERSON WOLLENSACK	**Project Number**	: 2182207
Lab ID	: L2020006-08D	**Date Collected**	: 05/13/20 10:10
Client ID	: R1MW-02	**Date Received**	: 05/14/20
Sample Location	: ROCHESTER, NY	**Date Analyzed**	: 05/19/20 10:42
Sample Matrix	: WATER	**Dilution Factor**	: 2
Analytical Method	: 1,8260C	**Analyst**	: PD
Lab File ID	: VE200519A06	**Instrument ID**	: ELAINE
Sample Amount	: 5 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	5.0	1.4	U
108-87-2	Methyl cyclohexane	ND	20	0.79	U

Tentatively Identified Compounds
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	**Lab Number**	: L2020006
Project Name	: JEFFERSON WOLLENSACK	**Project Number**	: 2182207
Lab ID	: L2020006-08D	**Date Collected**	: 05/13/20 10:10
Client ID	: R1MW-02	**Date Received**	: 05/14/20
Sample Location	: ROCHESTER, NY	**Date Analyzed**	: 05/19/20 10:42
Sample Matrix	: WATER	**Dilution Factor**	: 2
Analytical Method	: 1,8260C	**Analyst**	: PD
Lab File ID	: VE200519A06	**Instrument ID**	: ELAINE
Sample Amount	: 5 ml	**GC Column**	: RTX-502.2
Level	:	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

Number TICS found: 11 **Concentration Units: ug/L**

CAS Number	Compound Name	RT	EST. CONC.	Qualifier
	Unknown Benzene	10.83	6.2	J
	Unknown Aromatic	11.07	4.22	J
	Unknown Aromatic	11.44	9.02	J
	Unknown	11.62	4.7	J
	Unknown Aromatic	11.83	21.1	J
	Unknown Aromatic	11.91	17.1	J
	Unknown Naphthalene	12.29	5.88	J
	Unknown Naphthalene	12.37	14.4	J
	Unknown Naphthalene	12.45	16.2	J
	Unknown Naphthalene	12.47	7.5	J
	Total TIC Compounds		106J	J

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	**Lab Number**	: L2020006
Project Name	: JEFFERSON WOLLENSACK	**Project Number**	: 2182207
Lab ID	: L2020006-09D	**Date Collected**	: 05/13/20 13:30
Client ID	: BW-03	**Date Received**	: 05/14/20
Sample Location	: ROCHESTER, NY	**Date Analyzed**	: 05/19/20 03:24
Sample Matrix	: WATER	**Dilution Factor**	: 20
Analytical Method	: 1,8260C	**Analyst**	: NLK
Lab File ID	: V05200518N25	**Instrument ID**	: VOA105
Sample Amount	: 0.5 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	50	14.	U
75-34-3	1,1-Dichloroethane	ND	50	14.	U
67-66-3	Chloroform	ND	50	14.	U
56-23-5	Carbon tetrachloride	ND	10	2.7	U
78-87-5	1,2-Dichloropropane	ND	20	2.7	U
124-48-1	Dibromochloromethane	ND	10	3.0	U
79-00-5	1,1,2-Trichloroethane	ND	30	10.	U
127-18-4	Tetrachloroethene	ND	10	3.6	U
108-90-7	Chlorobenzene	ND	50	14.	U
75-69-4	Trichlorofluoromethane	ND	50	14.	U
107-06-2	1,2-Dichloroethane	ND	10	2.6	U
71-55-6	1,1,1-Trichloroethane	ND	50	14.	U
75-27-4	Bromodichloromethane	ND	10	3.8	U
10061-02-6	trans-1,3-Dichloropropene	ND	10	3.3	U
10061-01-5	cis-1,3-Dichloropropene	ND	10	2.9	U
75-25-2	Bromoform	ND	40	13.	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	10	3.3	U
71-43-2	Benzene	ND	10	3.2	U
108-88-3	Toluene	ND	50	14.	U
100-41-4	Ethylbenzene	ND	50	14.	U
74-87-3	Chloromethane	ND	50	14.	U
74-83-9	Bromomethane	ND	50	14.	U
75-01-4	Vinyl chloride	24	20	1.4	
75-00-3	Chloroethane	ND	50	14.	U
75-35-4	1,1-Dichloroethene	14	10	3.4	

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	**Lab Number**	: L2020006
Project Name	: JEFFERSON WOLLENSACK	**Project Number**	: 2182207
Lab ID	: L2020006-09D	**Date Collected**	: 05/13/20 13:30
Client ID	: BW-03	**Date Received**	: 05/14/20
Sample Location	: ROCHESTER, NY	**Date Analyzed**	: 05/19/20 03:24
Sample Matrix	: WATER	**Dilution Factor**	: 20
Analytical Method	: 1,8260C	**Analyst**	: NLK
Lab File ID	: V05200518N25	**Instrument ID**	: VOA105
Sample Amount	: 0.5 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
156-60-5	trans-1,2-Dichloroethene	ND	50	14.	U
79-01-6	Trichloroethene	120	10	3.5	
95-50-1	1,2-Dichlorobenzene	ND	50	14.	U
541-73-1	1,3-Dichlorobenzene	ND	50	14.	U
106-46-7	1,4-Dichlorobenzene	ND	50	14.	U
1634-04-4	Methyl tert butyl ether	ND	50	14.	U
179601-23-1	p/m-Xylene	ND	50	14.	U
95-47-6	o-Xylene	ND	50	14.	U
156-59-2	cis-1,2-Dichloroethene	3300	50	14.	
100-42-5	Styrene	ND	50	14.	U
75-71-8	Dichlorodifluoromethane	ND	100	20.	U
67-64-1	Acetone	ND	100	29.	U
75-15-0	Carbon disulfide	ND	100	20.	U
78-93-3	2-Butanone	ND	100	39.	U
108-10-1	4-Methyl-2-pentanone	ND	100	20.	U
591-78-6	2-Hexanone	ND	100	20.	U
74-97-5	Bromochloromethane	ND	50	14.	U
106-93-4	1,2-Dibromoethane	ND	40	13.	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	50	14.	U
98-82-8	Isopropylbenzene	ND	50	14.	U
87-61-6	1,2,3-Trichlorobenzene	ND	50	14.	U
120-82-1	1,2,4-Trichlorobenzene	ND	50	14.	U
79-20-9	Methyl Acetate	ND	40	4.7	U
110-82-7	Cyclohexane	ND	200	5.4	U
123-91-1	1,4-Dioxane	ND	5000	1200	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	**Lab Number**	: L2020006
Project Name	: JEFFERSON WOLLENSACK	**Project Number**	: 2182207
Lab ID	: L2020006-09D	**Date Collected**	: 05/13/20 13:30
Client ID	: BW-03	**Date Received**	: 05/14/20
Sample Location	: ROCHESTER, NY	**Date Analyzed**	: 05/19/20 03:24
Sample Matrix	: WATER	**Dilution Factor**	: 20
Analytical Method	: 1,8260C	**Analyst**	: NLK
Lab File ID	: V05200518N25	**Instrument ID**	: VOA105
Sample Amount	: 0.5 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	50	14.	U
108-87-2	Methyl cyclohexane	ND	200	7.9	U

Tentatively Identified Compounds
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	**Lab Number**	: L2020006
Project Name	: JEFFERSON WOLLENSACK	**Project Number**	: 2182207
Lab ID	: L2020006-09D	**Date Collected**	: 05/13/20 13:30
Client ID	: BW-03	**Date Received**	: 05/14/20
Sample Location	: ROCHESTER, NY	**Date Analyzed**	: 05/19/20 03:24
Sample Matrix	: WATER	**Dilution Factor**	: 20
Analytical Method	: 1,8260C	**Analyst**	: NLK
Lab File ID	: V05200518N25	**Instrument ID**	: VOA105
Sample Amount	: 0.5 ml	**GC Column**	: RTX-502.2
Level	:	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

Number TICS found: 0 **Concentration Units: ug/L**

CAS Number	Compound Name	RT	EST. CONC.	Qualifier
	NO TENTATIVELY IDENTIFIED COMPOUNDS			

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	**Lab Number**	: L2020006
Project Name	: JEFFERSON WOLLENSACK	**Project Number**	: 2182207
Lab ID	: L2020006-10	**Date Collected**	: 05/12/20 00:00
Client ID	: QA/QC	**Date Received**	: 05/14/20
Sample Location	: ROCHESTER, NY	**Date Analyzed**	: 05/18/20 23:54
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: NLK
Lab File ID	: V05200518N16	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	12	0.50	0.18	
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	1.0	0.50	0.16	
108-88-3	Toluene	1.8	2.5	0.70	J
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	1.2	1.0	0.07	
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	3.8	0.50	0.17	

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	**Lab Number**	: L2020006
Project Name	: JEFFERSON WOLLENSACK	**Project Number**	: 2182207
Lab ID	: L2020006-10	**Date Collected**	: 05/12/20 00:00
Client ID	: QA/QC	**Date Received**	: 05/14/20
Sample Location	: ROCHESTER, NY	**Date Analyzed**	: 05/18/20 23:54
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: NLK
Lab File ID	: V05200518N16	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
156-60-5	trans-1,2-Dichloroethene	10	2.5	0.70	
79-01-6	Trichloroethene	1400	0.50	0.18	E
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	0.85	2.5	0.70	J
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	200	2.5	0.70	E
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	24	5.0	1.5	
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	4.3	5.0	1.9	J
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	1.1	10	0.27	J
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	**Lab Number**	: L2020006
Project Name	: JEFFERSON WOLLENSACK	**Project Number**	: 2182207
Lab ID	: L2020006-10	**Date Collected**	: 05/12/20 00:00
Client ID	: QA/QC	**Date Received**	: 05/14/20
Sample Location	: ROCHESTER, NY	**Date Analyzed**	: 05/18/20 23:54
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: NLK
Lab File ID	: V05200518N16	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Tentatively Identified Compounds
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	**Lab Number**	: L2020006
Project Name	: JEFFERSON WOLLENSACK	**Project Number**	: 2182207
Lab ID	: L2020006-10	**Date Collected**	: 05/12/20 00:00
Client ID	: QA/QC	**Date Received**	: 05/14/20
Sample Location	: ROCHESTER, NY	**Date Analyzed**	: 05/18/20 23:54
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: NLK
Lab File ID	: V05200518N16	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	:	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

Number TICS found: 0 **Concentration Units: ug/L**

CAS Number	Compound Name	RT	EST. CONC.	Qualifier
	NO TENTATIVELY IDENTIFIED COMPOUNDS			

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	**Lab Number**	: L2020006
Project Name	: JEFFERSON WOLLENSACK	**Project Number**	: 2182207
Lab ID	: L2020006-10D	**Date Collected**	: 05/12/20 00:00
Client ID	: QA/QC	**Date Received**	: 05/14/20
Sample Location	: ROCHESTER, NY	**Date Analyzed**	: 05/19/20 11:03
Sample Matrix	: WATER	**Dilution Factor**	: 50
Analytical Method	: 1,8260C	**Analyst**	: PD
Lab File ID	: VE200519A07	**Instrument ID**	: ELAINE
Sample Amount	: 0.2 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
79-01-6	Trichloroethene	2800	25	8.8	
156-59-2	cis-1,2-Dichloroethene	130	120	35.	

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	**Lab Number**	: L2020006
Project Name	: JEFFERSON WOLLENSACK	**Project Number**	: 2182207
Lab ID	: WG1372229-5	**Date Collected**	: NA
Client ID	: WG1372229-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 05/18/20 19:38
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: AJK
Lab File ID	: V05200518N05	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	**Lab Number**	: L2020006
Project Name	: JEFFERSON WOLLENSACK	**Project Number**	: 2182207
Lab ID	: WG1372229-5	**Date Collected**	: NA
Client ID	: WG1372229-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 05/18/20 19:38
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: AJK
Lab File ID	: V05200518N05	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	**Lab Number**	: L2020006
Project Name	: JEFFERSON WOLLENSACK	**Project Number**	: 2182207
Lab ID	: WG1372229-5	**Date Collected**	: NA
Client ID	: WG1372229-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 05/18/20 19:38
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: AJK
Lab File ID	: V05200518N05	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Tentatively Identified Compounds
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	**Lab Number**	: L2020006
Project Name	: JEFFERSON WOLLENSACK	**Project Number**	: 2182207
Lab ID	: WG1372229-5	**Date Collected**	: NA
Client ID	: WG1372229-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 05/18/20 19:38
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: AJK
Lab File ID	: V05200518N05	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	:	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

Number TICS found: 0 **Concentration Units: ug/L**

CAS Number	Compound Name	RT	EST. CONC.	Qualifier
	NO TENTATIVELY IDENTIFIED COMPOUNDS			

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	**Lab Number**	: L2020006
Project Name	: JEFFERSON WOLLENSACK	**Project Number**	: 2182207
Lab ID	: WG1372327-5	**Date Collected**	: NA
Client ID	: WG1372327-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 05/19/20 10:10
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: PD
Lab File ID	: VE200519A05	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	**Lab Number**	: L2020006
Project Name	: JEFFERSON WOLLENSACK	**Project Number**	: 2182207
Lab ID	: WG1372327-5	**Date Collected**	: NA
Client ID	: WG1372327-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 05/19/20 10:10
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: PD
Lab File ID	: VE200519A05	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	**Lab Number**	: L2020006
Project Name	: JEFFERSON WOLLENSACK	**Project Number**	: 2182207
Lab ID	: WG1372327-5	**Date Collected**	: NA
Client ID	: WG1372327-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 05/19/20 10:10
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: PD
Lab File ID	: VE200519A05	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Tentatively Identified Compounds
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	**Lab Number**	: L2020006
Project Name	: JEFFERSON WOLLENSACK	**Project Number**	: 2182207
Lab ID	: WG1372327-5	**Date Collected**	: NA
Client ID	: WG1372327-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 05/19/20 10:10
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: PD
Lab File ID	: VE200519A05	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	:	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

Number TICS found: 0 **Concentration Units: ug/L**

CAS Number	Compound Name	RT	EST. CONC.	Qualifier
	NO TENTATIVELY IDENTIFIED COMPOUNDS			

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2020\200518N\
Data File : V05200518N16.d
Acq On : 18 May 2020 11:54 pm
Operator : VOA105:NLK
Sample : l2020006-10,31,10,10,,a
Misc : WG1372229,ICAL16595
ALS Vial : 16 Sample Multiplier: 1

Quant Time: May 19 09:44:42 2020
Quant Method : I:\VOLATILES\VOA105\2020\200518N\V105_200313N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Mar 15 01:23:14 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2020\200518N\V05200518N01.d
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.036	96	1058435	10.000	ug/L	0.00
Standard Area 1 = 1103307			Recovery =	95.93%		
59) Chlorobenzene-d5	9.559	117	854466	10.000	ug/L	-0.01
Standard Area 1 = 869831			Recovery =	98.23%		
79) 1,4-Dichlorobenzene-d4	12.253	152	474132	10.000	ug/L	-0.01
Standard Area 1 = 540562			Recovery =	87.71%		
System Monitoring Compounds						
36) Dibromofluoromethane	5.234	113	307008	10.836	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	108.36%		
43) 1,2-Dichloroethane-d4	5.763	65	333810	10.993	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	109.93%		
60) Toluene-d8	7.719	98	953449	8.819	ug/L	-0.01
Spiked Amount 10.000	Range 70 - 130		Recovery =	88.19%		
83) 4-Bromofluorobenzene	11.048	95	429551	9.628	ug/L	-0.01
Spiked Amount 10.000	Range 70 - 130		Recovery =	96.28%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	0.000		0	N.D. d		
4) Vinyl chloride	1.938	62	33414	1.231	ug/L	95
5) Bromomethane	2.241	94	825	N.D.		
6) Chloroethane	0.000		0	N.D. d		
7) Trichlorofluoromethane	0.000		0	N.D.		
10) 1,1-Dichloroethene	2.985	96	76684	3.786	ug/L	94
11) Carbon disulfide	3.014	76	10146	0.183	ug/L	96
12) Freon-113	0.000		0	N.D.		
15) Methylene chloride	3.552	84	12718	0.570	ug/L	91
17) Acetone	3.601	43	73028	24.234	ug/L	97
18) trans-1,2-Dichloroethene	3.699	96	234714	10.309	ug/L	97
19) Methyl acetate	0.000		0	N.D. d		
20) Methyl tert-butyl ether	3.777	73	2062	N.D.		
23) 1,1-Dichloroethane	4.344	63	92	N.D.		
28) cis-1,2-Dichloroethene	4.794	96	5044278	204.747	ug/L	97
30) Bromochloromethane	0.000		0	N.D.		
31) Cyclohexane	4.970	56	39787	1.126	ug/L	94
32) Chloroform	5.058	83	732	N.D.		
34) Carbon tetrachloride	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2020\200518N\
Data File : V05200518N16.d
Acq On : 18 May 2020 11:54 pm
Operator : VOA105:NLK
Sample : l2020006-10,31,10,10,,a
Misc : WG1372229,ICAL16595
ALS Vial : 16 Sample Multiplier: 1

Quant Time: May 19 09:44:42 2020
Quant Method : I:\VOLATILES\VOA105\2020\200518N\V105_200313N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Mar 15 01:23:14 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2020\200518N\V05200518N01.d
Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37)	1,1,1-Trichloroethane	5.225	97	104	N.D.		
39)	2-Butanone	5.362	43	19914	4.299	ug/L #	45
41)	Benzene	5.616	78	96441	1.047	ug/L	99
44)	1,2-Dichloroethane	5.831	62	937	N.D.		
47)	Methyl cyclohexane	0.000		0	N.D.	d	
48)	Trichloroethene	6.193	95	36204502M2	1382.879	ug/L	
51)	1,2-Dichloropropane	0.000		0	N.D.		
54)	Bromodichloromethane	6.926	83	101	N.D.		
57)	1,4-Dioxane	0.000		0	N.D.		
58)	cis-1,3-Dichloropropene	0.000		0	N.D.		
61)	Toluene	7.777	92	110254	1.792	ug/L	97
62)	4-Methyl-2-pentanone	0.000		0	N.D.	d	
63)	Tetrachloroethene	8.218	166	367834	12.565	ug/L	95
65)	trans-1,3-Dichloropropene	8.276	75	564	N.D.		
68)	1,1,2-Trichloroethane	0.000		0	N.D.	d	
69)	Chlorodibromomethane	0.000		0	N.D.		
71)	1,2-Dibromoethane	0.000		0	N.D.		
72)	2-Hexanone	0.000		0	N.D.	d	
73)	Chlorobenzene	9.588	112	344	N.D.		
74)	Ethylbenzene	9.618	91	26891	0.231	ug/L	98
76)	p/m Xylene	9.804	106	38875	0.847	ug/L	93
77)	o Xylene	10.342	106	11442	0.259	ug/L	99
78)	Styrene	10.440	104	292	N.D.		
80)	Bromoform	0.000		0	N.D.		
82)	Isopropylbenzene	10.725	105	7333	N.D.		
87)	1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
100)	1,3-Dichlorobenzene	12.263	146	463	N.D.		
101)	1,4-Dichlorobenzene	12.263	146	463	N.D.		
104)	1,2-Dichlorobenzene	12.713	146	91	N.D.		
106)	1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
109)	1,2,4-Trichlorobenzene	14.104	180	569	N.D.		
111)	1,2,3-Trichlorobenzene	14.555	180	430	N.D.		

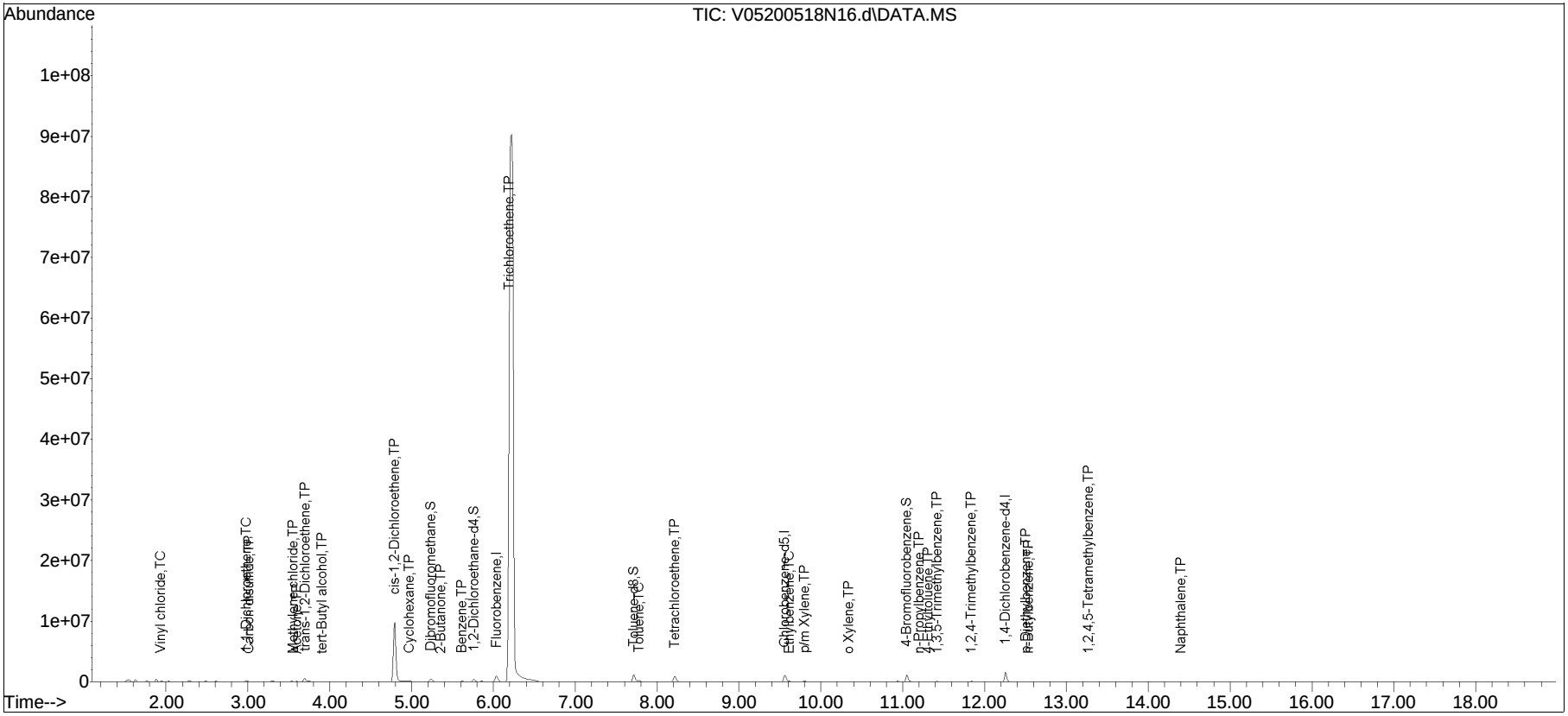
(#) = qualifier out of range (m) = manual integration (+) = signals summed

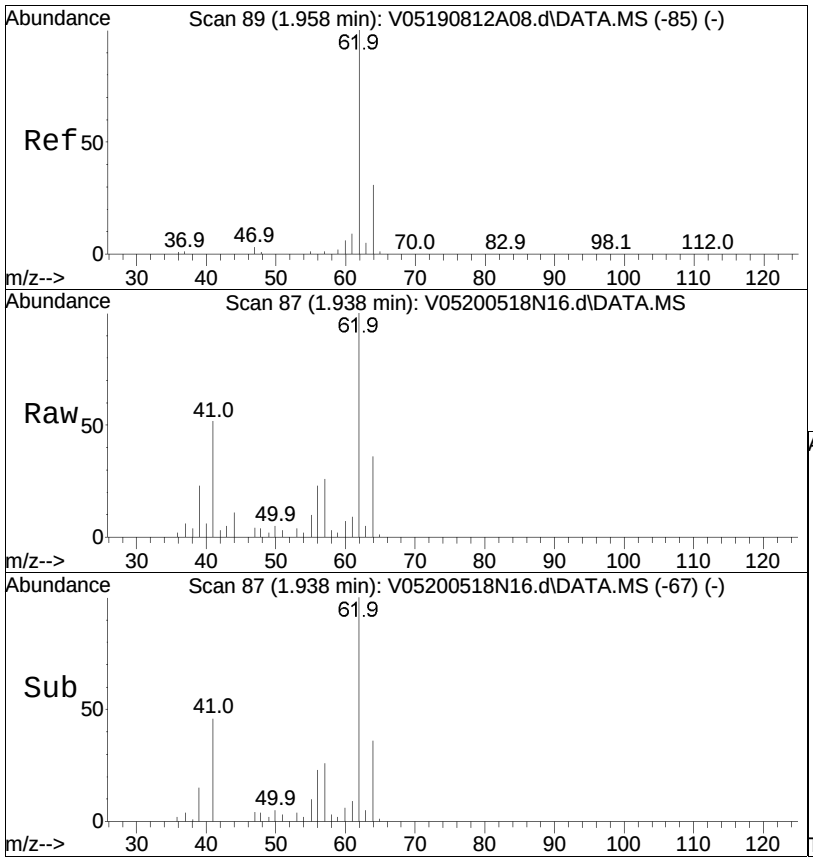
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2020\200518N\
Data File : V05200518N16.d
Acq On : 18 May 2020 11:54 pm
Operator : VOA105:NLK
Sample : l2020006-10,31,10,10,,a
Misc : WG1372229,ICAL16595
ALS Vial : 16 Sample Multiplier: 1

Quant Time: May 19 09:44:42 2020
Quant Method : I:\VOLATILES\VOA105\2020\200518N\V105_200313N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Mar 15 01:23:14 2020
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox00518N\V05200518N01.d•

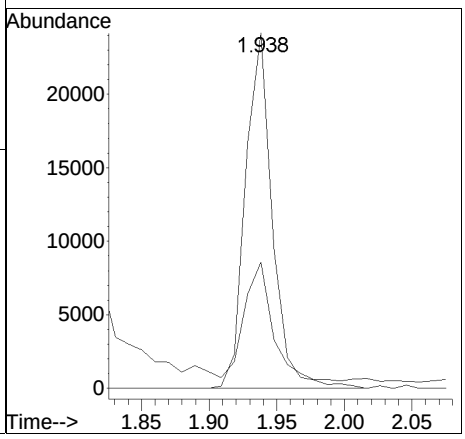


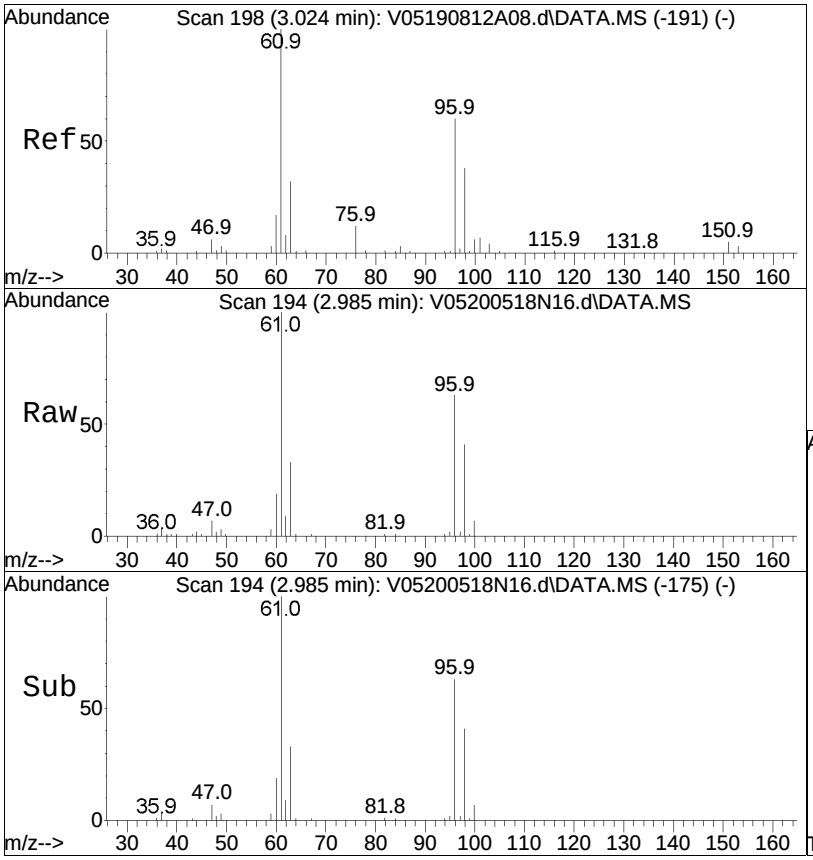


#4
Vinyl chloride
Concen: 1.23 ug/L
RT: 1.938 min Scan# 87
Delta R.T. 0.000 min
Lab File: V05200518N16.d
Acq: 18 May 2020 11:54 pm

Tgt Ion: 62 Resp: 33414

Ion	Ratio	Lower	Upper
62	100		
64	36.5	13.5	53.5

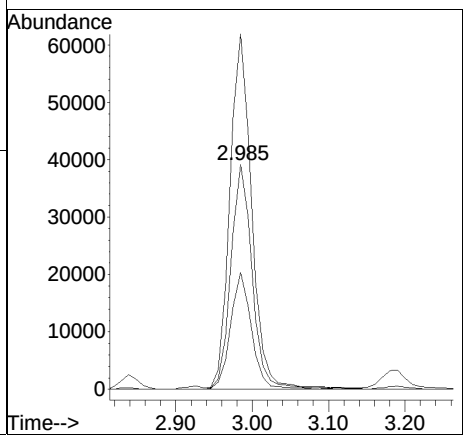


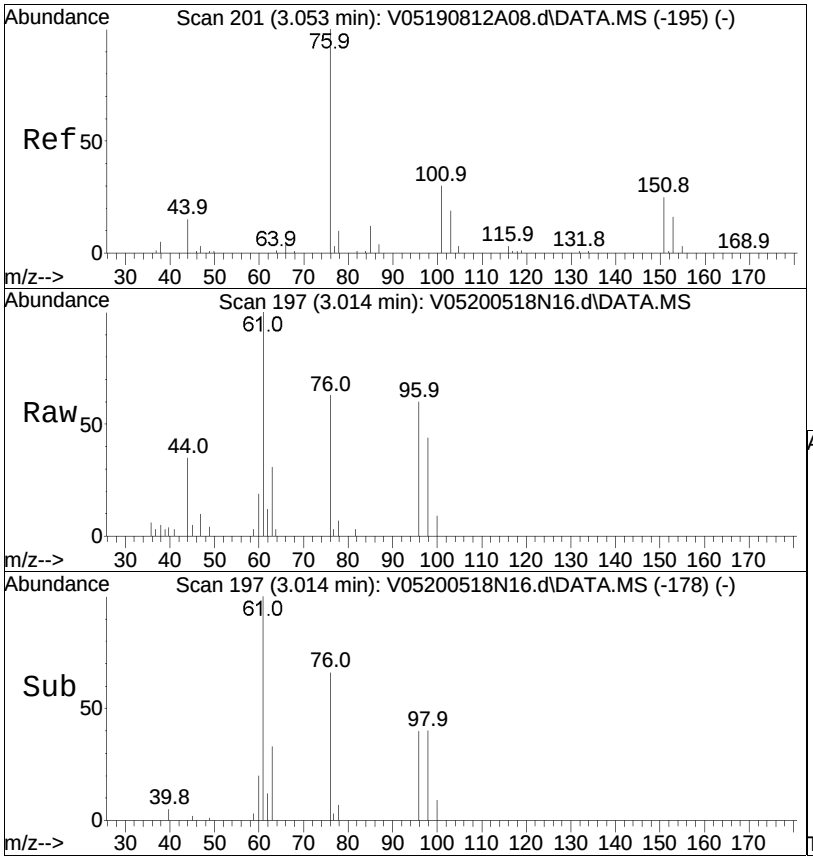


#10
1,1-Dichloroethene
Concen: 3.79 ug/L
RT: 2.985 min Scan# 194
Delta R.T. -0.010 min
Lab File: V05200518N16.d
Acq: 18 May 2020 11:54 pm

Tgt Ion: 96 Resp: 76684

Ion	Ratio	Lower	Upper
96	100		
61	162.6	136.7	205.1
63	50.8	45.0	67.6

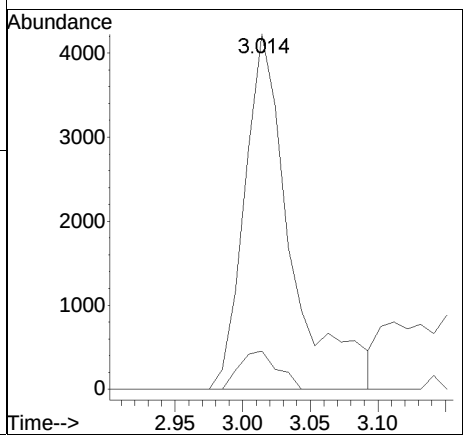


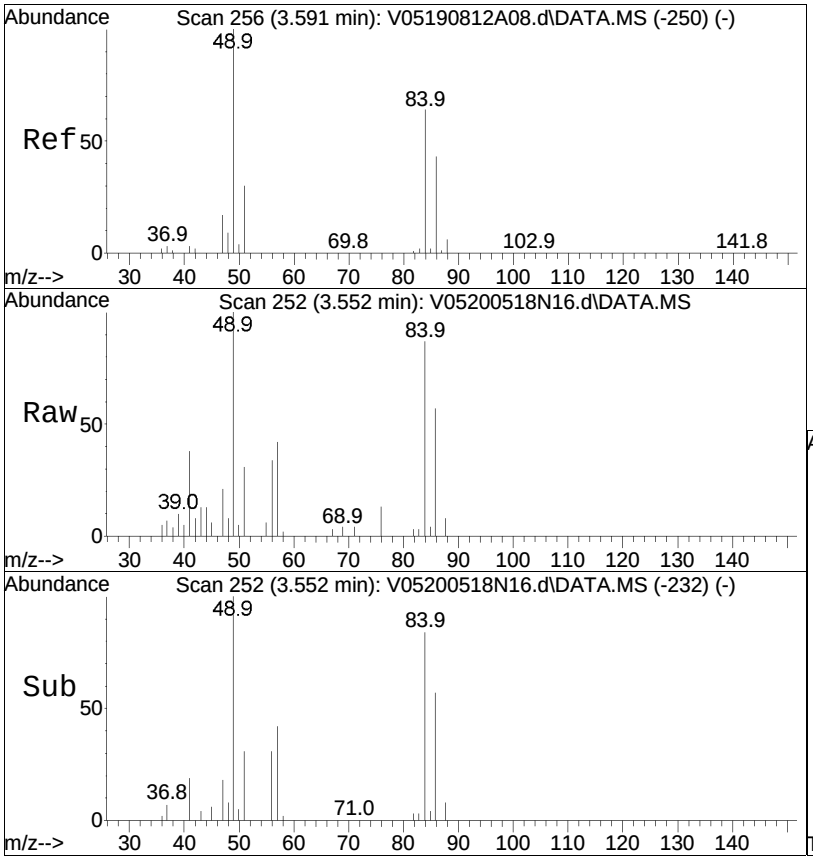


#11
Carbon disulfide
Concen: 0.18 ug/L
RT: 3.014 min Scan# 197
Delta R.T. -0.010 min
Lab File: V05200518N16.d
Acq: 18 May 2020 11:54 pm

Tgt Ion: 76 Resp: 10146

Ion	Ratio	Lower	Upper
76	100		
78	8.9	6.7	13.9

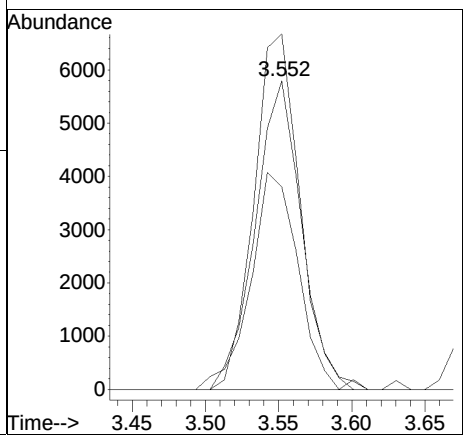


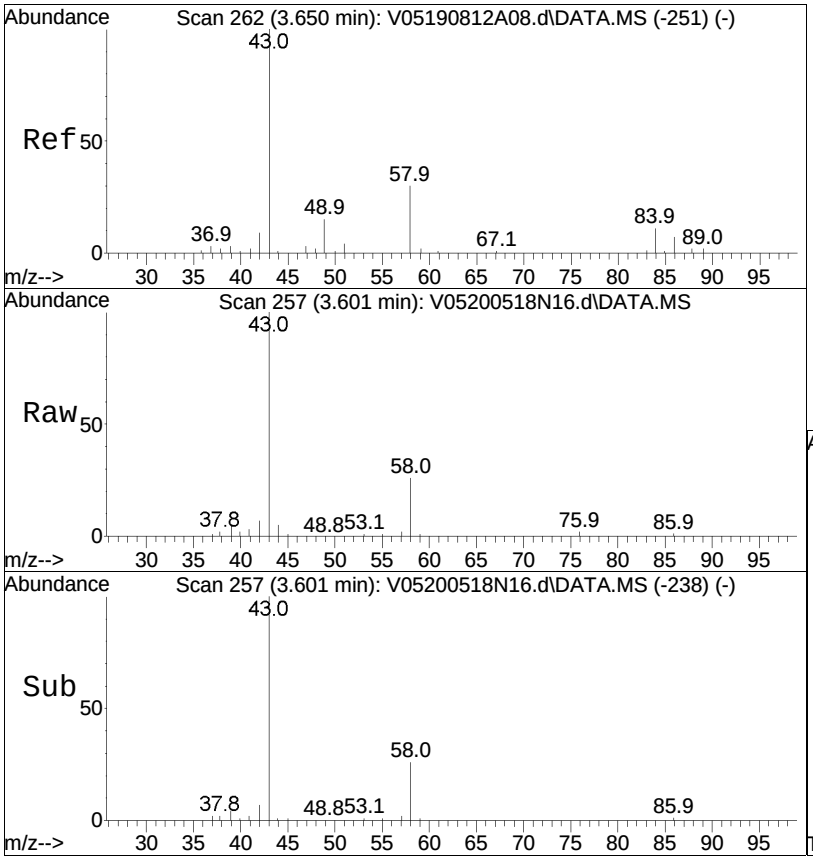


#15
Methylene chloride
Concen: 0.57 ug/L
RT: 3.552 min Scan# 252
Delta R.T. 0.000 min
Lab File: V05200518N16.d
Acq: 18 May 2020 11:54 pm

Tgt Ion: 84 Resp: 12718

Ion	Ratio	Lower	Upper
84	100		
86	72.8	42.1	87.5
49	114.9	69.3	143.9

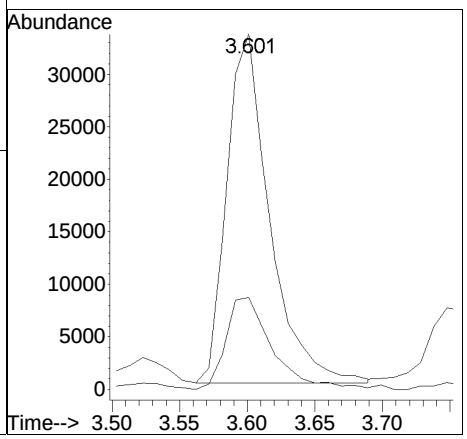


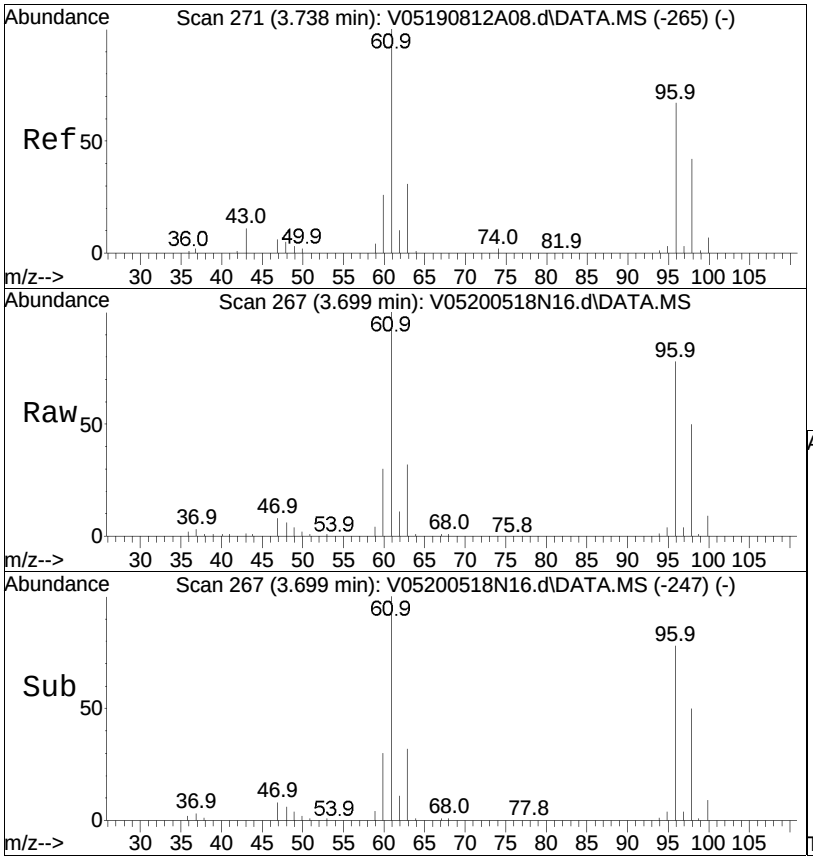


#17
Acetone
Concen: 24.23 ug/L
RT: 3.601 min Scan# 257
Delta R.T. -0.010 min
Lab File: V05200518N16.d
Acq: 18 May 2020 11:54 pm

Tgt Ion: 43 Resp: 73028

Ion	Ratio	Lower	Upper
43	100		
58	29.0	22.0	33.0

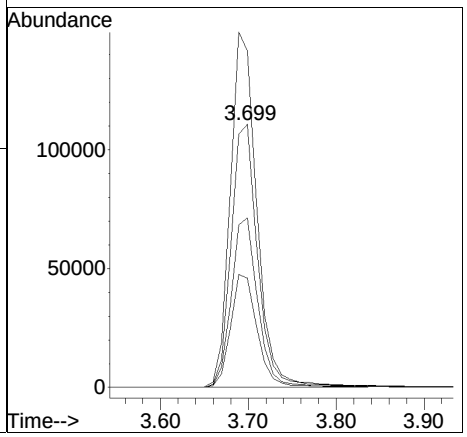


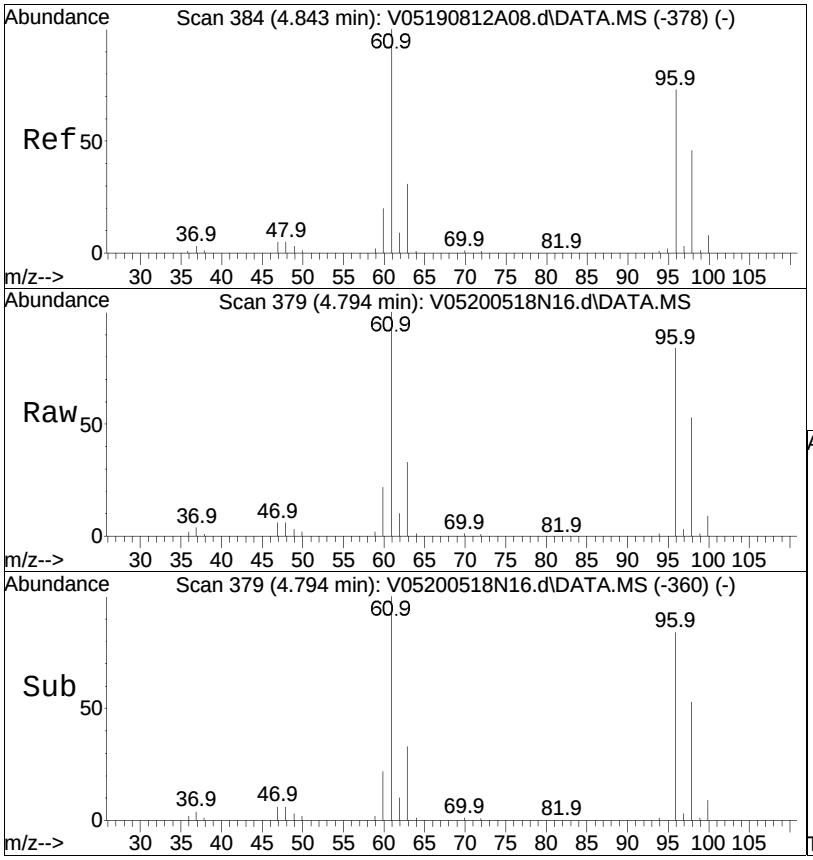


#18
trans-1,2-Dichloroethene
Concen: 10.31 ug/L
RT: 3.699 min Scan# 267
Delta R.T. -0.000 min
Lab File: V05200518N16.d
Acq: 18 May 2020 11:54 pm

Tgt Ion: 96 Resp: 234714

Ion	Ratio	Lower	Upper
96	100		
61	135.2	91.7	190.5
98	63.7	41.1	85.5
63	43.4	29.4	61.0

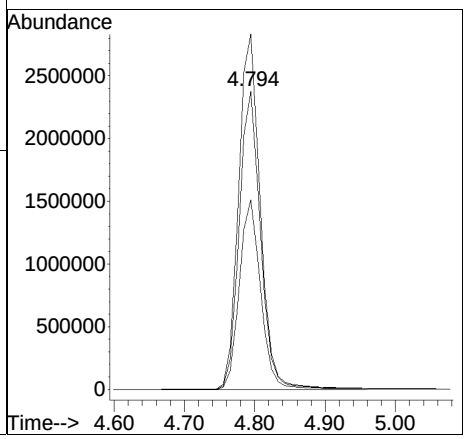


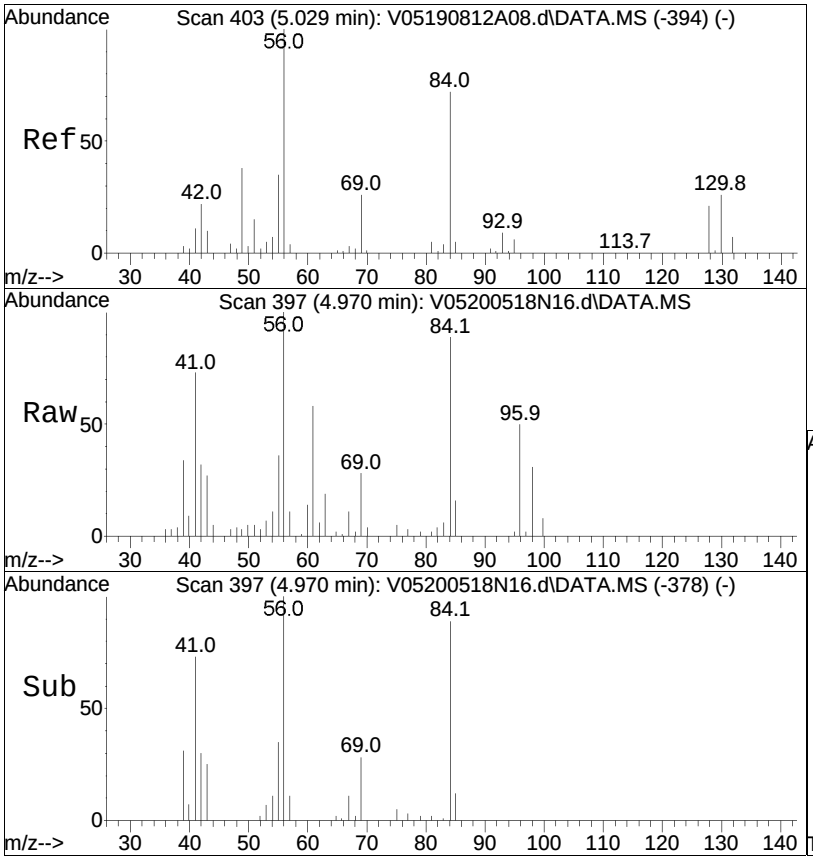


#28
cis-1,2-Dichloroethene
Concen: 204.75 ug/L
RT: 4.794 min Scan# 379
Delta R.T. -0.010 min
Lab File: V05200518N16.d
Acq: 18 May 2020 11:54 pm

Tgt Ion: 96 Resp: 5044278

Ion	Ratio	Lower	Upper
96	100		
61	121.1	100.5	150.7
98	63.8	49.8	74.8

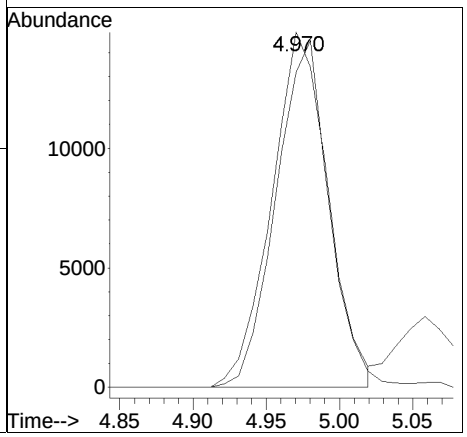


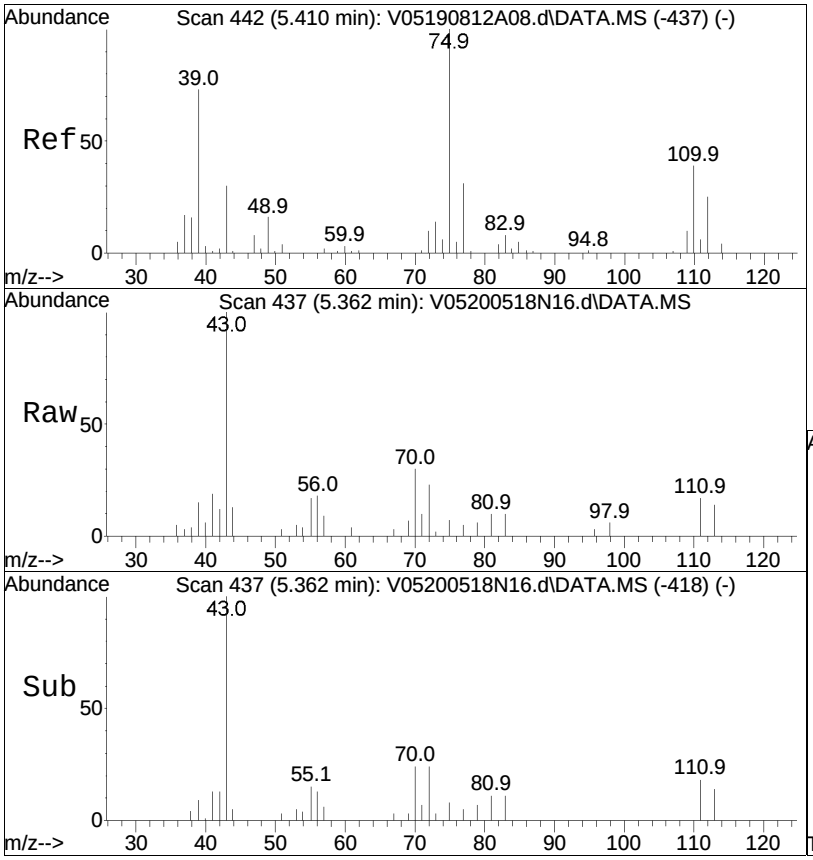


#31
Cyclohexane
Concen: 1.13 ug/L
RT: 4.970 min Scan# 397
Delta R.T. -0.010 min
Lab File: V05200518N16.d
Acq: 18 May 2020 11:54 pm

Tgt Ion: 56 Resp: 39787

Ion	Ratio	Lower	Upper
56	100		
84	93.1	64.4	133.8

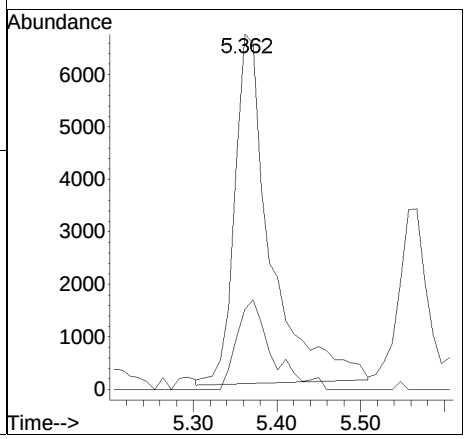


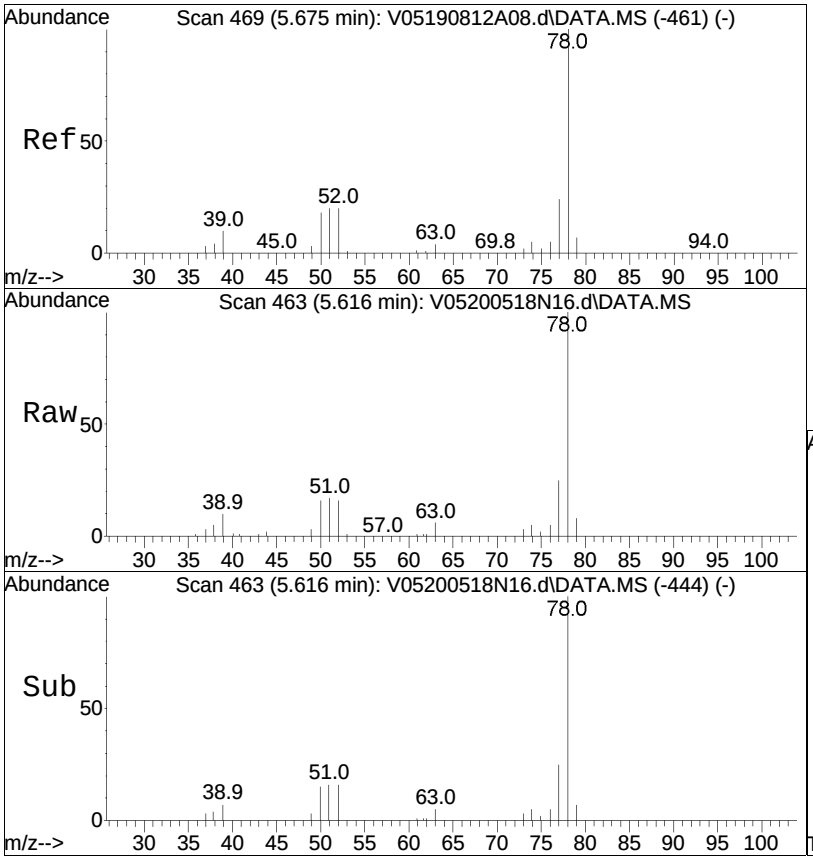


#39
2-Butanone
Concen: 4.30 ug/L
RT: 5.362 min Scan# 437
Delta R.T. -0.009 min
Lab File: V05200518N16.d
Acq: 18 May 2020 11:54 pm

Tgt Ion: 43 Resp: 19914

Ion	Ratio	Lower	Upper
43	100		
72	24.8	55.6	83.4#

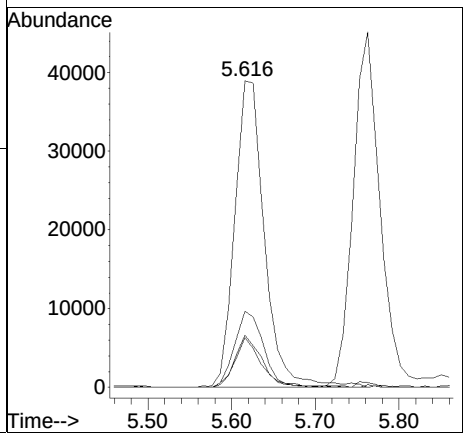


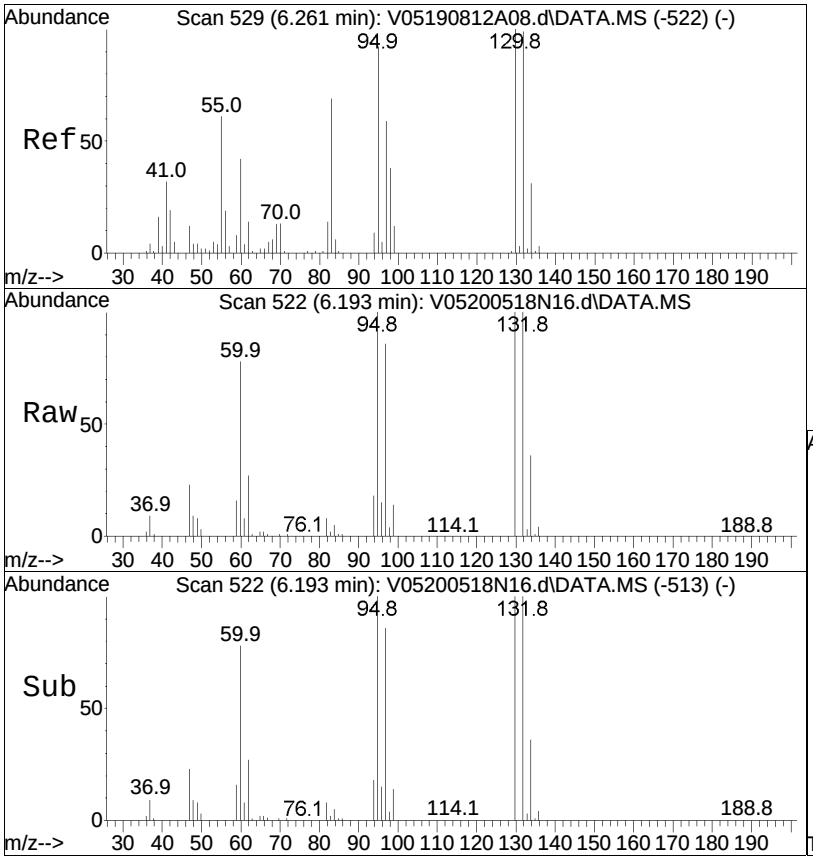


#41
Benzene
Concen: 1.05 ug/L
RT: 5.616 min Scan# 463
Delta R.T. -0.010 min
Lab File: V05200518N16.d
Acq: 18 May 2020 11:54 pm

Tgt Ion: 78 Resp: 96441

Ion	Ratio	Lower	Upper
78	100		
77	24.3	15.2	31.6
51	15.7	10.5	21.7
52	14.3	9.5	19.7

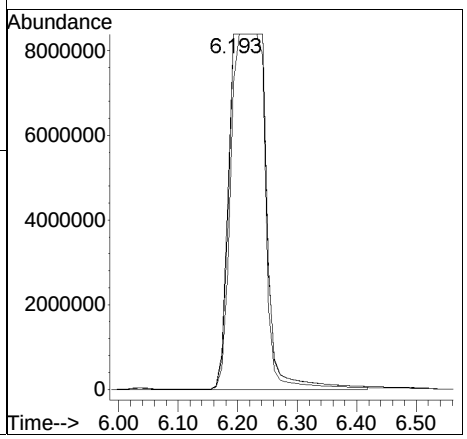


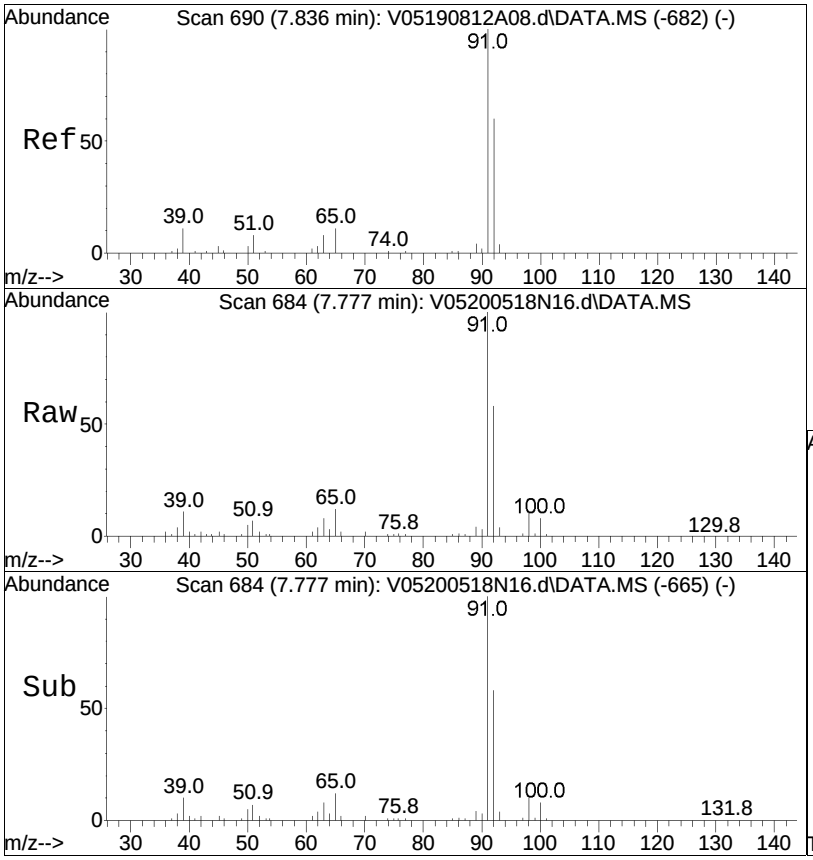


#48
Trichloroethene
Concen: 1382.88 ug/L M2
RT: 6.193 min Scan# 522
Delta R.T. -0.029 min
Lab File: V05200518N16.d
Acq: 18 May 2020 11:54 pm

Tgt Ion: 95 Resp:36204502

Ion	Ratio	Lower	Upper
95	100		
97	0.0	56.1	84.1#
130	0.0	77.7	116.5#

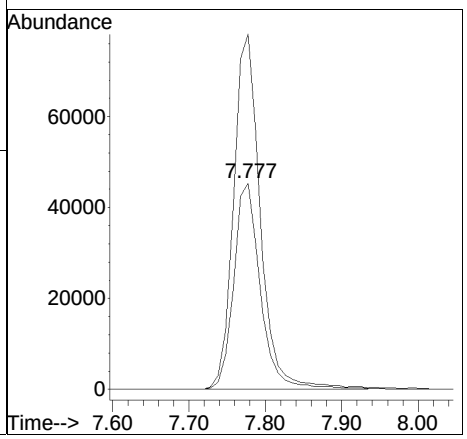


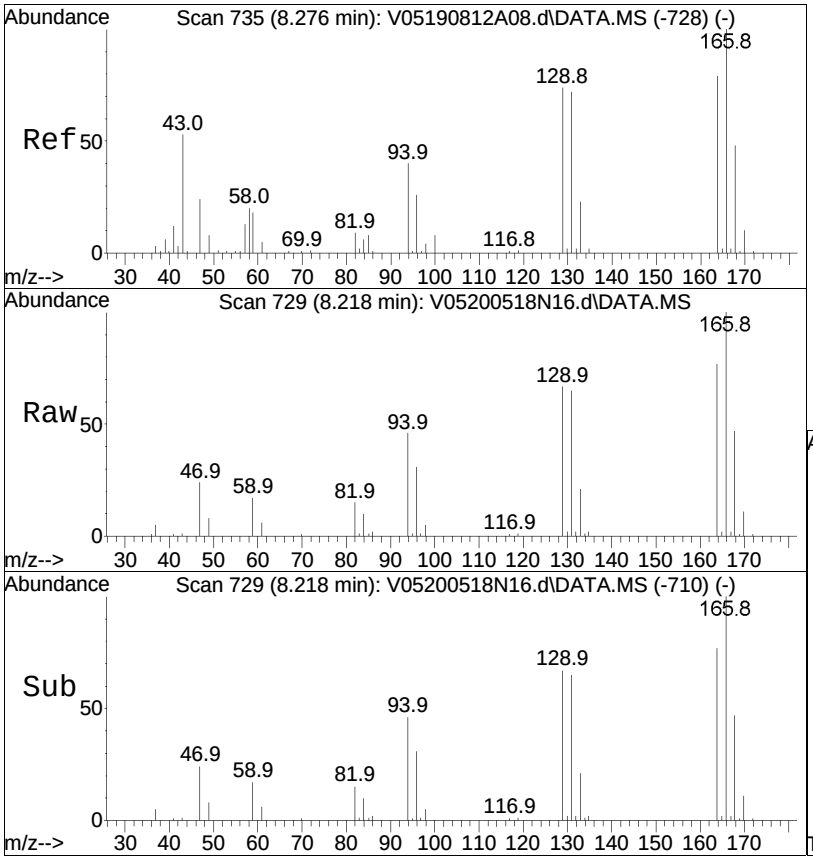


#61
Toluene
Concen: 1.79 ug/L
RT: 7.777 min Scan# 684
Delta R.T. -0.010 min
Lab File: V05200518N16.d
Acq: 18 May 2020 11:54 pm

Tgt Ion: 92 Resp: 110254

Ion	Ratio	Lower	Upper
92	100		
91	172.5	135.2	202.8

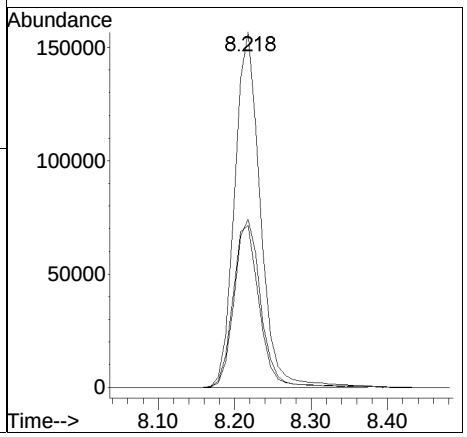


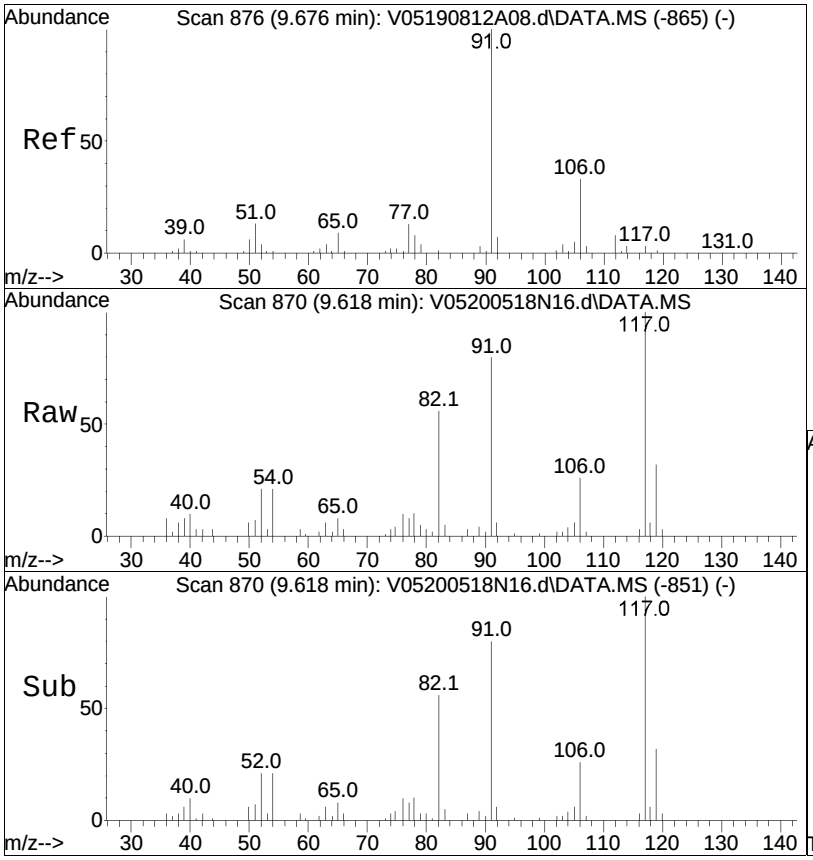


#63
Tetrachloroethene
Concen: 12.56 ug/L
RT: 8.218 min Scan# 729
Delta R.T. -0.009 min
Lab File: V05200518N16.d
Acq: 18 May 2020 11:54 pm

Tgt Ion:166 Resp: 367834

Ion	Ratio	Lower	Upper
166	100		
168	48.7	30.2	70.2
94	47.1	32.5	72.5

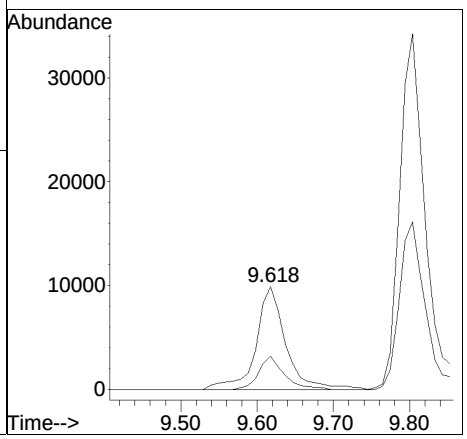


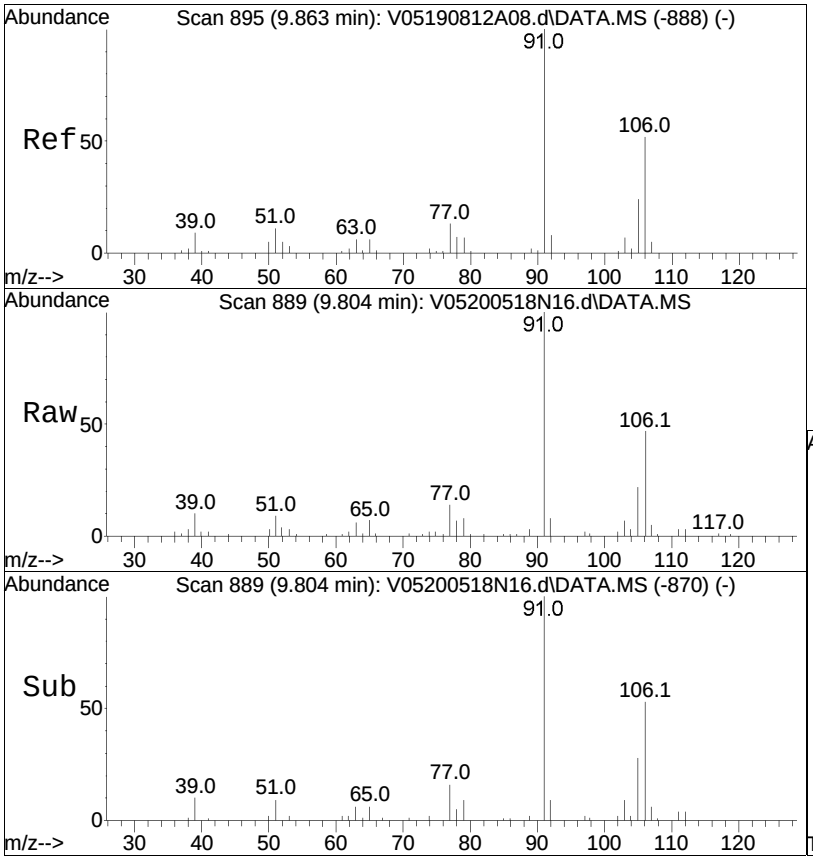


#74
Ethylbenzene
Concen: 0.23 ug/L
RT: 9.618 min Scan# 870
Delta R.T. -0.009 min
Lab File: V05200518N16.d
Acq: 18 May 2020 11:54 pm

Tgt Ion: 91 Resp: 26891

Ion	Ratio	Lower	Upper
91	100		
106	27.4	22.9	34.3

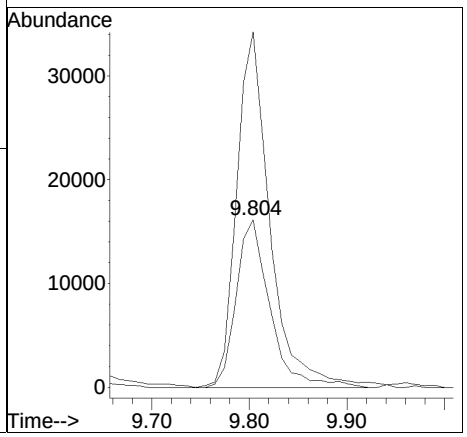


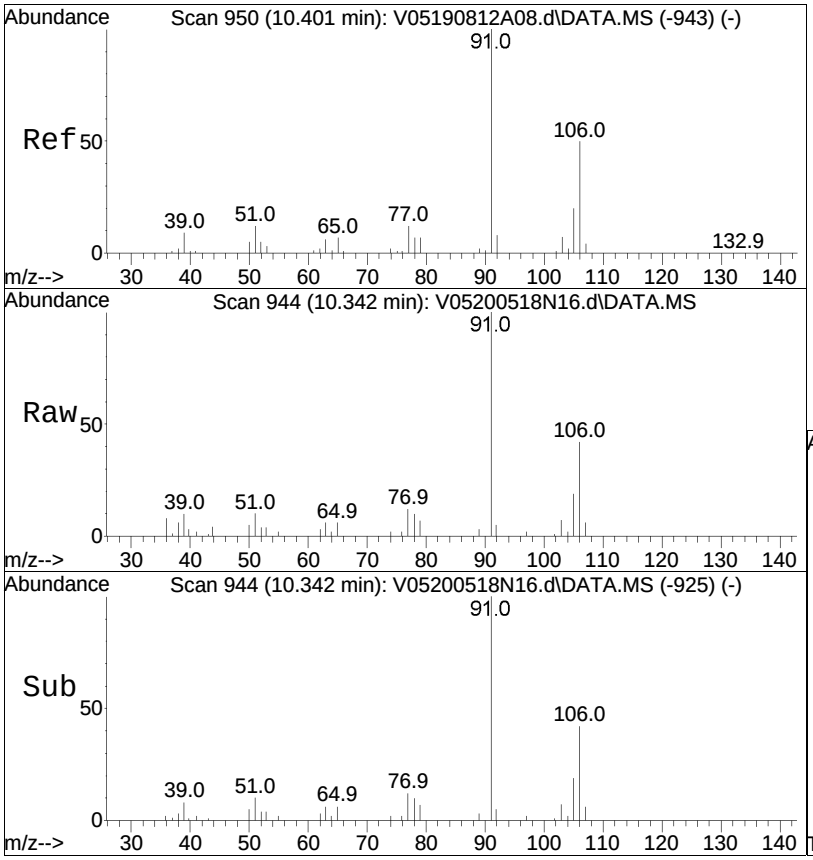


#76
p/m Xylene
Concen: 0.85 ug/L
RT: 9.804 min Scan# 889
Delta R.T. -0.010 min
Lab File: V05200518N16.d
Acq: 18 May 2020 11:54 pm

Tgt Ion:106 Resp: 38875

Ion	Ratio	Lower	Upper
106	100		
91	209.5	177.2	265.8

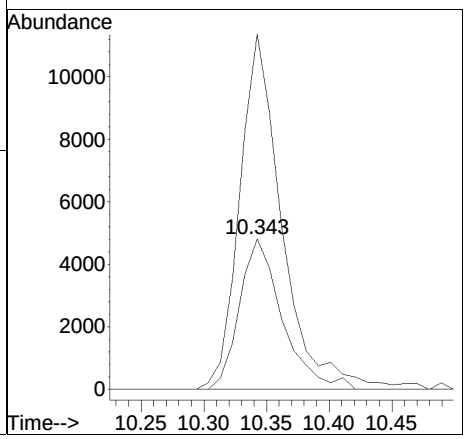




#77
o Xylene
Concen: 0.26 ug/L
RT: 10.342 min Scan# 944
Delta R.T. -0.010 min
Lab File: V05200518N16.d
Acq: 18 May 2020 11:54 pm

Tgt Ion:106 Resp: 11442

Ion	Ratio	Lower	Upper
106	100		
91	235.8	187.0	280.6

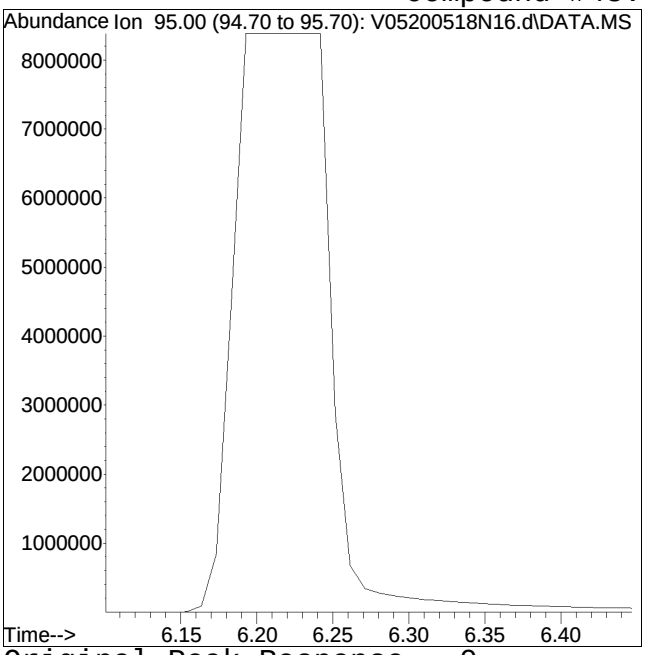


Manual Integration Report

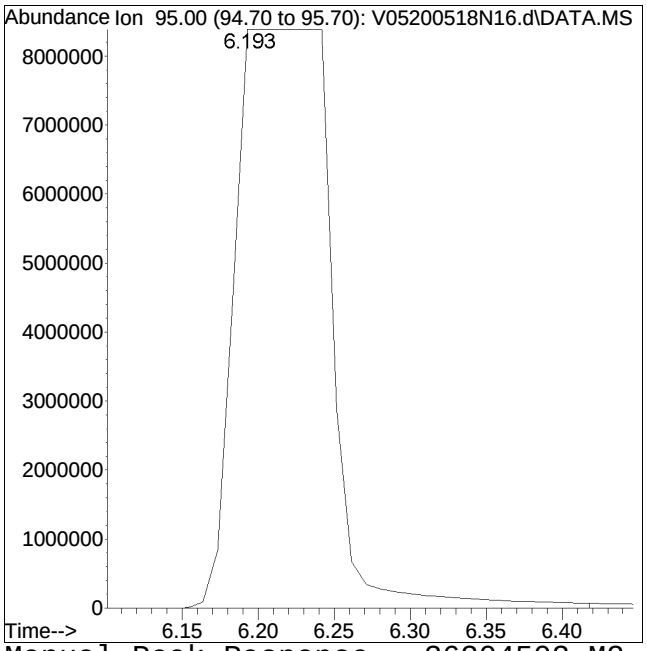
Data Path : I:\VOLATILES\VOA105\2020\2Q
Data File : V05200518N16.d
Date Inj'd : 5/18/2020 11:54 pm
Sample : l2020006-10,31,10,10,,a

Method : V105_200313N_8260.m
Operator : VOA105:NLK
Instrument : VOA 105
Quant Date : 5/19/2020 9:16 am

Compound #48: Trichloroethene



Original Peak Response = 0



Manual Peak Response = 36204502 M2

M2 = Peak not found by automatic integration algorithm.

LSC Area Percent Report

Data Path : I:\VOLATILES\VOA105\2020\200518N\
Data File : V05200518N16.d
Acq On : 18 May 2020 11:54 pm
Operator : VOA105:NLK
Sample : l2020006-10,31,10,10,,a
Misc : WG1372229,ICAL16595
ALS Vial : 16 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : I:\VOLATILES\VOA105\2020\200518N\V105_200313N_8260.m
Title : VOLATILES BY GC/MS

Signal : TIC: V05200518N16.d\DATA.MS

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.794	372	379	392	rBV	9786949	20966921	6.56%	6.153%
2	6.222	516	525	585	rVB3	90268548	319780538	100.00%	93.847%

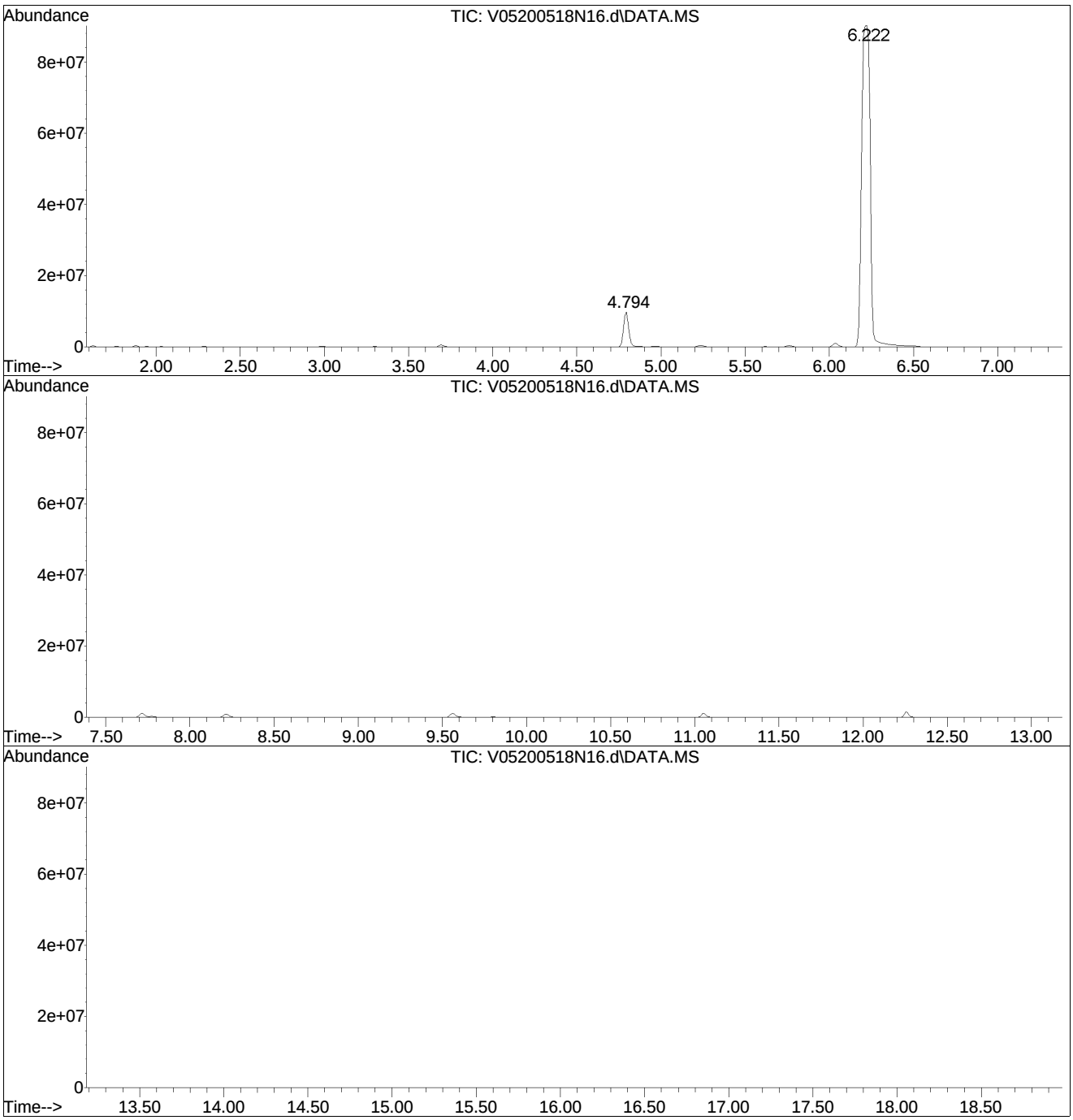
Sum of corrected areas: 340747459

LSC Report - Integrated Chromatogram

Data Path : I:\VOLATILES\VOA105\2020\200518N\
Data File : V05200518N16.d
Acq On : 18 May 2020 11:54 pm
Operator : VOA105:NLK
Sample : l2020006-10,31,10,10,,a
Misc : WG1372229,ICAL16595
ALS Vial : 16 Sample Multiplier: 1

Quant Method : I:\VOLATILES\VOA105\2020\200518N\V105_200313N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p



Library Search Compound Report

Data Path : I:\VOLATILES\VOA105\2020\200518N\
Data File : V05200518N16.d
Acq On : 18 May 2020 11:54 pm
Operator : VOA105:NLK
Sample : l2020006-10,31,10,10,,a
Misc : WG1372229,ICAL16595
ALS Vial : 16 Sample Multiplier: 1

Quant Method : I:\VOLATILES\VOA105\2020\200518N\V105_200313N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : I:\VOLATILES\VOA105\2020\200518N\
Data File : V05200518N16.d
Acq On : 18 May 2020 11:54 pm
Operator : VOA105:NLK
Sample : l2020006-10,31,10,10,,a
Misc : WG1372229,ICAL16595
ALS Vial : 16 Sample Multiplier: 1

Quant Method : I:\VOLATILES\VOA105\2020\200518N\V105_200313N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

						Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Quantitation Report (QT/LSC Reviewed)

Data Path : I:\VOLATILES\VOA105\2020\200518N\
Data File : V05200518N18.d
Acq On : 19 May 2020 12:40 am
Operator : VOA105:NLK
Sample : l2020006-01D,31,0.250,10,,a
Misc : WG1372229,ICAL16595
ALS Vial : 18 Sample Multiplier: 1

Quant Time: May 19 09:49:18 2020
Quant Method : I:\VOLATILES\VOA105\2020\200518N\V105_200313N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Mar 15 01:23:14 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2020\200518N\V05200518N01.d
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.036	96	1012240	10.000	ug/L	0.00
Standard Area 1 = 1103307			Recovery =	91.75%		
59) Chlorobenzene-d5	9.559	117	815511	10.000	ug/L	-0.01
Standard Area 1 = 869831			Recovery =	93.76%		
79) 1,4-Dichlorobenzene-d4	12.253	152	470340	10.000	ug/L	-0.01
Standard Area 1 = 540562			Recovery =	87.01%		
System Monitoring Compounds						
36) Dibromofluoromethane	5.234	113	303688	11.208	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	112.08%		
43) 1,2-Dichloroethane-d4	5.763	65	327277	11.270	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	112.70%		
60) Toluene-d8	7.719	98	1011852	9.807	ug/L	-0.01
Spiked Amount 10.000	Range 70 - 130		Recovery =	98.07%		
83) 4-Bromofluorobenzene	11.048	95	431981	9.761	ug/L	-0.01
Spiked Amount 10.000	Range 70 - 130		Recovery =	97.61%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	1.880	50	1000	N.D.		
4) Vinyl chloride	1.938	62	885	N.D.		
5) Bromomethane	2.241	94	529	N.D.		
6) Chloroethane	2.378	64	444	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
10) 1,1-Dichloroethene	2.985	96	1812	0.094	ug/L	96
11) Carbon disulfide	3.004	76	2391	N.D.		
12) Freon-113	0.000		0	N.D.		
15) Methylene chloride	3.552	84	2294	0.108	ug/L	96
17) Acetone	3.611	43	3809	0.191	ug/L	93
18) trans-1,2-Dichloroethene	3.689	96	5421	0.249	ug/L	93
19) Methyl acetate	0.000		0	N.D.	d	
20) Methyl tert-butyl ether	0.000		0	N.D.		
23) 1,1-Dichloroethane	0.000		0	N.D.		
28) cis-1,2-Dichloroethene	4.794	96	105013	4.457	ug/L	98
30) Bromochloromethane	0.000		0	N.D.		
31) Cyclohexane	4.970	56	1079	N.D.		
32) Chloroform	5.058	83	1314	N.D.		
34) Carbon tetrachloride	0.000		0	N.D.		

Quantitation Report (QT/LSC Reviewed)

Data Path : I:\VOLATILES\VOA105\2020\200518N\
Data File : V05200518N18.d
Acq On : 19 May 2020 12:40 am
Operator : VOA105:NLK
Sample : l2020006-01D,31,0.250,10,,a
Misc : WG1372229,ICAL16595
ALS Vial : 18 Sample Multiplier: 1

Quant Time: May 19 09:49:18 2020
Quant Method : I:\VOLATILES\VOA105\2020\200518N\V105_200313N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Mar 15 01:23:14 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2020\200518N\V05200518N01.d
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1,1,1-Trichloroethane	0.000		0	N.D.		
39) 2-Butanone	0.000		0	N.D. d		
41) Benzene	5.626	78	2438	N.D.		
44) 1,2-Dichloroethane	5.841	62	577	N.D.		
47) Methyl cyclohexane	0.000		0	N.D. d		
48) Trichloroethene	6.203	95	2799973	111.829	ug/L	95
51) 1,2-Dichloropropane	0.000		0	N.D.		
54) Bromodichloromethane	0.000		0	N.D.		
57) 1,4-Dioxane	0.000		0	N.D.		
58) cis-1,3-Dichloropropene	0.000		0	N.D.		
61) Toluene	7.777	92	2904	N.D.		
62) 4-Methyl-2-pentanone	0.000		0	N.D.		
63) Tetrachloroethene	8.218	166	9173	0.328	ug/L	91
65) trans-1,3-Dichloropropene	0.000		0	N.D.		
68) 1,1,2-Trichloroethane	0.000		0	N.D.		
69) Chlorodibromomethane	0.000		0	N.D.		
71) 1,2-Dibromoethane	0.000		0	N.D.		
72) 2-Hexanone	0.000		0	N.D.		
73) Chlorobenzene	0.000		0	N.D.		
74) Ethylbenzene	9.627	91	904	N.D.		
76) p/m Xylene	9.814	106	774	N.D.		
77) o Xylene	0.000		0	N.D.		
78) Styrene	0.000		0	N.D.		
80) Bromoform	0.000		0	N.D.		
82) Isopropylbenzene	10.725	105	375	N.D.		
87) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
100) 1,3-Dichlorobenzene	12.272	146	430	N.D.		
101) 1,4-Dichlorobenzene	12.272	146	430	N.D.		
104) 1,2-Dichlorobenzene	0.000		0	N.D.		
106) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
109) 1,2,4-Trichlorobenzene	14.114	180	390	N.D.		
111) 1,2,3-Trichlorobenzene	14.555	180	519	N.D.		

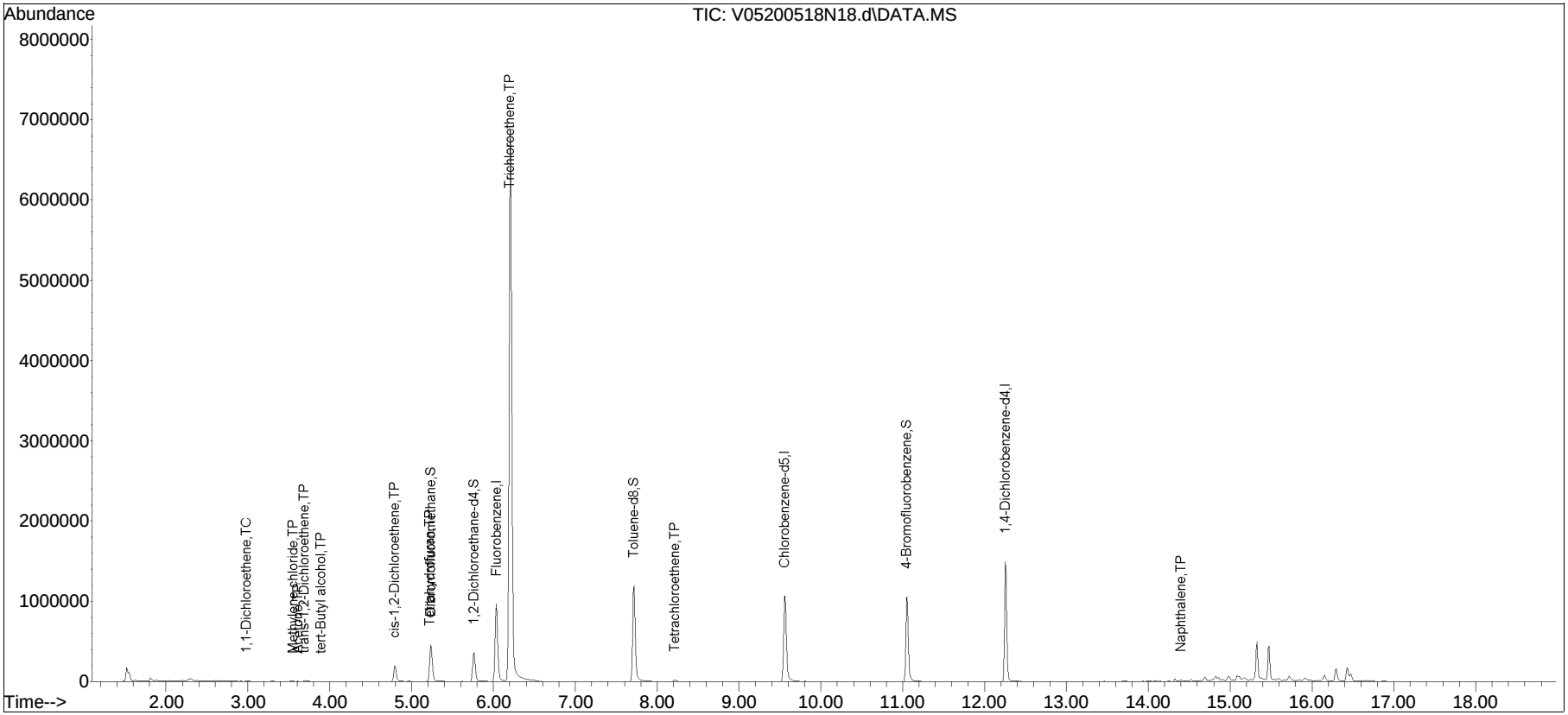
(#) = qualifier out of range (m) = manual integration (+) = signals summed

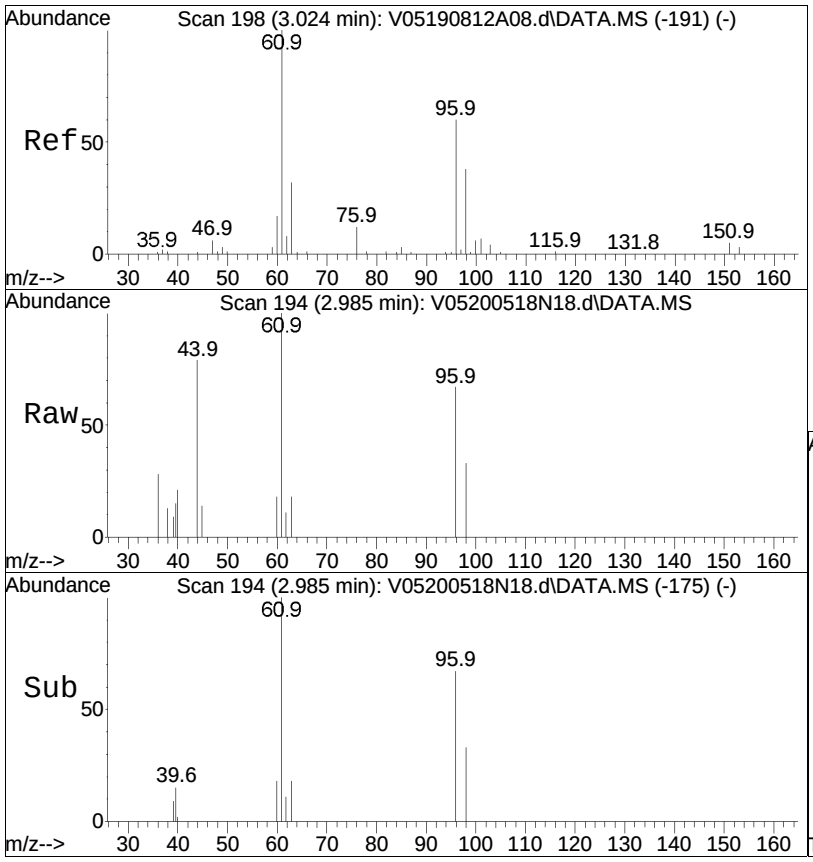
Quantitation Report (QT/LSC Reviewed)

Data Path : I:\VOLATILES\VOA105\2020\200518N\
Data File : V05200518N18.d
Acq On : 19 May 2020 12:40 am
Operator : VOA105:NLK
Sample : l2020006-01D,31,0.250,10,,a
Misc : WG1372229,ICAL16595
ALS Vial : 18 Sample Multiplier: 1

Quant Time: May 19 09:49:18 2020
Quant Method : I:\VOLATILES\VOA105\2020\200518N\V105_200313N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Mar 15 01:23:14 2020
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox00518N\V05200518N01.d•

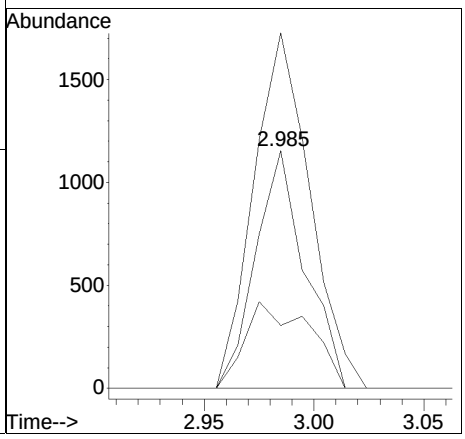


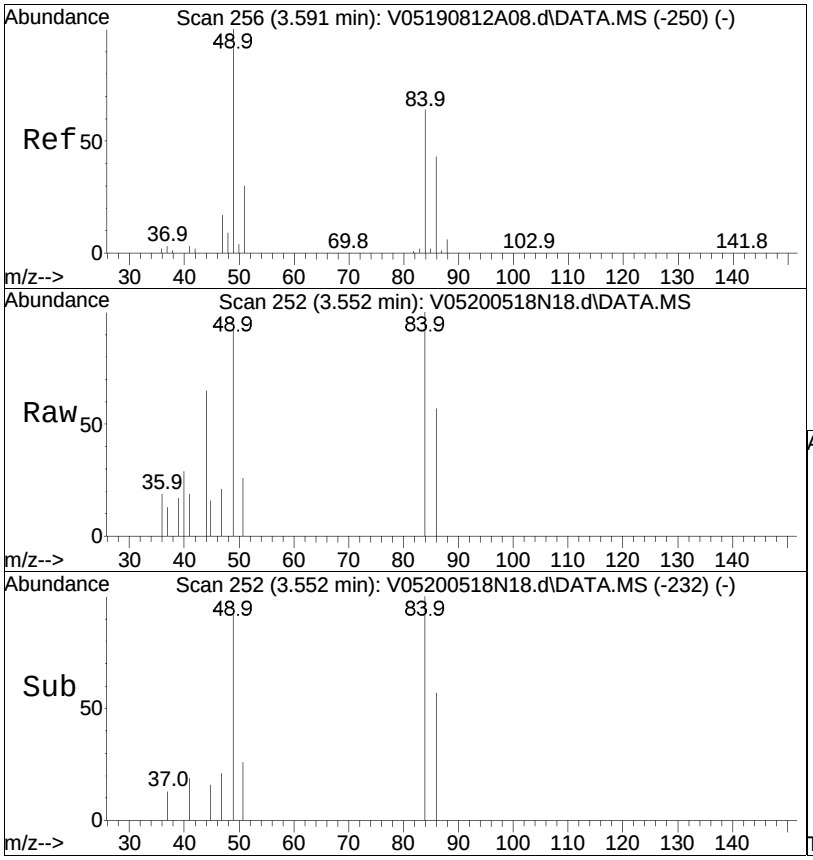


#10
1,1-Dichloroethene
Concen: 0.09 ug/L
RT: 2.985 min Scan# 194
Delta R.T. -0.010 min
Lab File: V05200518N18.d
Acq: 19 May 2020 12:40 am

Tgt Ion: 96 Resp: 1812

Ion	Ratio	Lower	Upper
96	100		
61	170.0	136.7	205.1
63	47.0	45.0	67.6

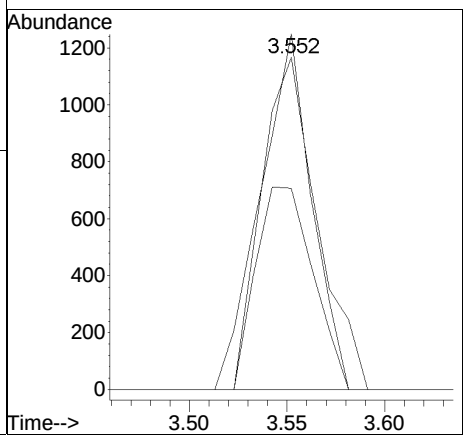


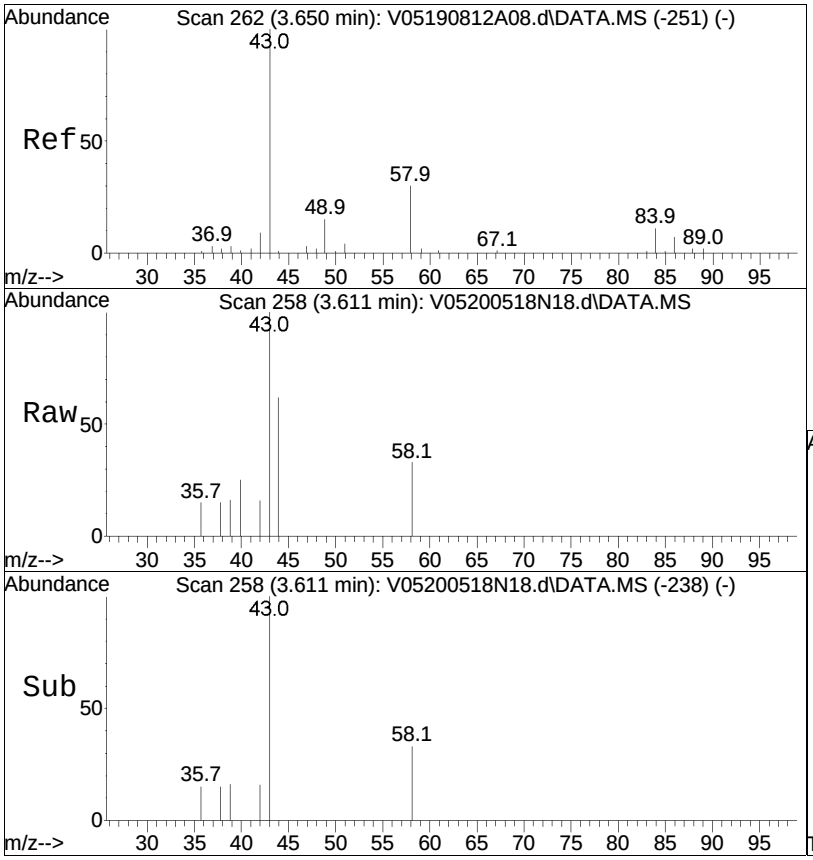


#15
Methylene chloride
Concen: 0.11 ug/L
RT: 3.552 min Scan# 252
Delta R.T. 0.000 min
Lab File: V05200518N18.d
Acq: 19 May 2020 12:40 am

Tgt Ion: 84 Resp: 2294

Ion	Ratio	Lower	Upper
84	100		
86	63.1	42.1	87.5
49	101.4	69.3	143.9

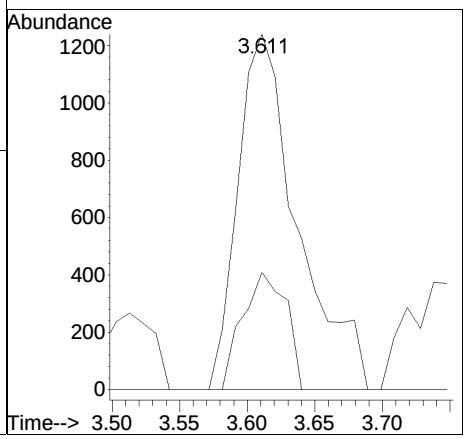


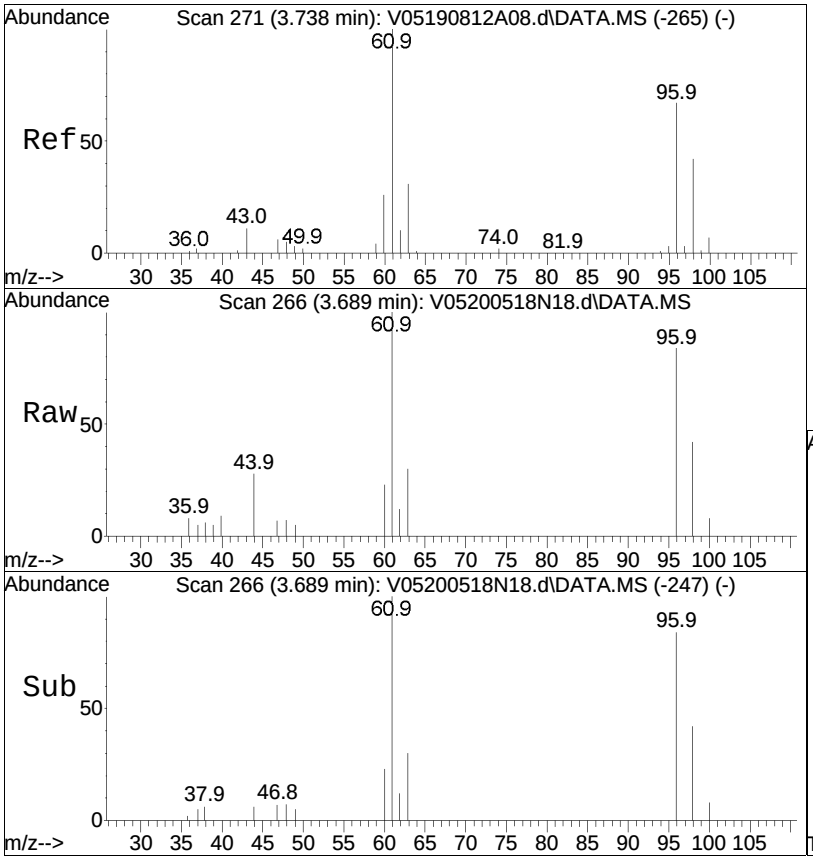


#17
Acetone
Concen: 0.19 ug/L
RT: 3.611 min Scan# 258
Delta R.T. -0.000 min
Lab File: V05200518N18.d
Acq: 19 May 2020 12:40 am

Tgt Ion: 43 Resp: 3809

Ion	Ratio	Lower	Upper
43	100		
58	24.1	22.0	33.0

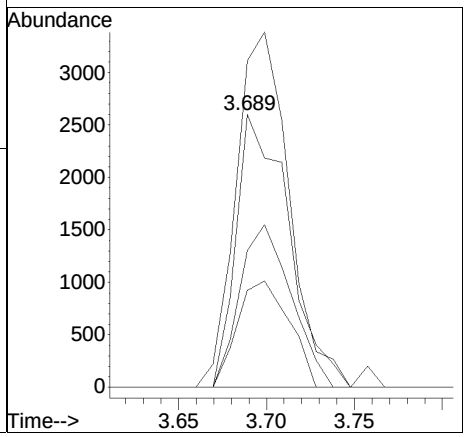


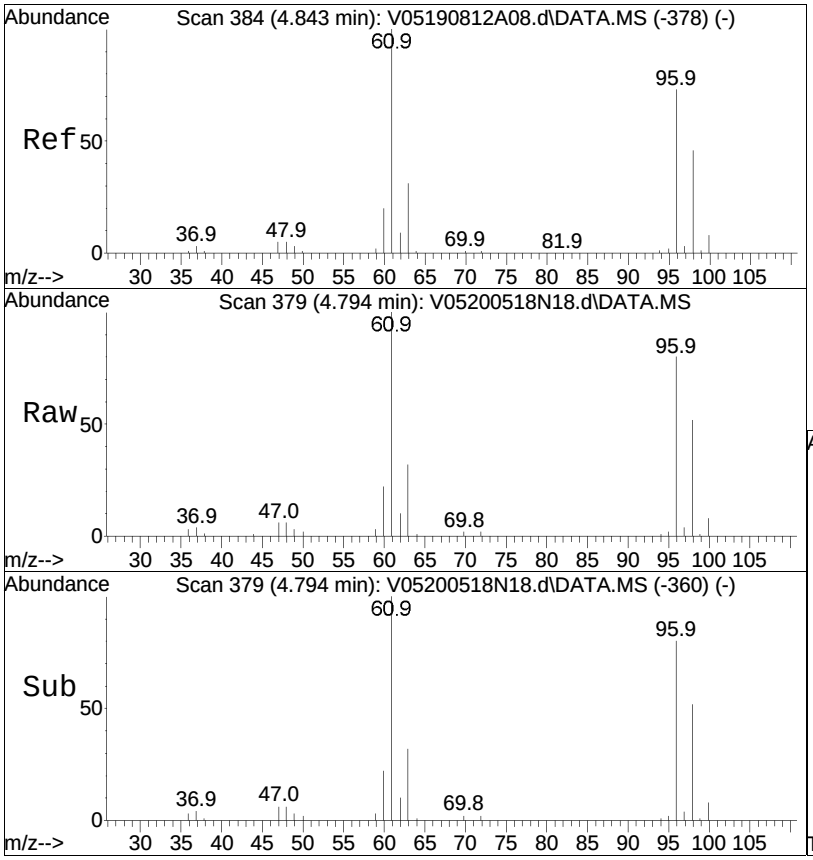


#18
trans-1,2-Dichloroethene
Concen: 0.25 ug/L
RT: 3.689 min Scan# 266
Delta R.T. -0.010 min
Lab File: V05200518N18.d
Acq: 19 May 2020 12:40 am

Tgt Ion: 96 Resp: 5421

Ion	Ratio	Lower	Upper
96	100		
61	133.6	91.7	190.5
98	58.2	41.1	85.5
63	38.4	29.4	61.0

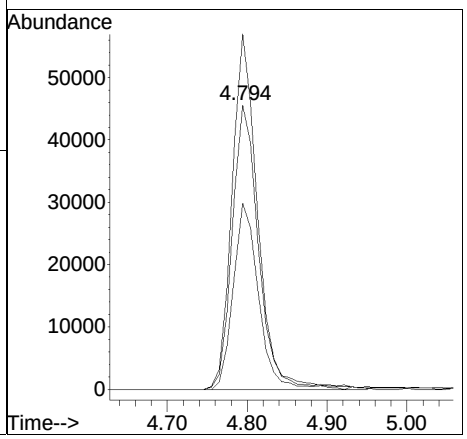


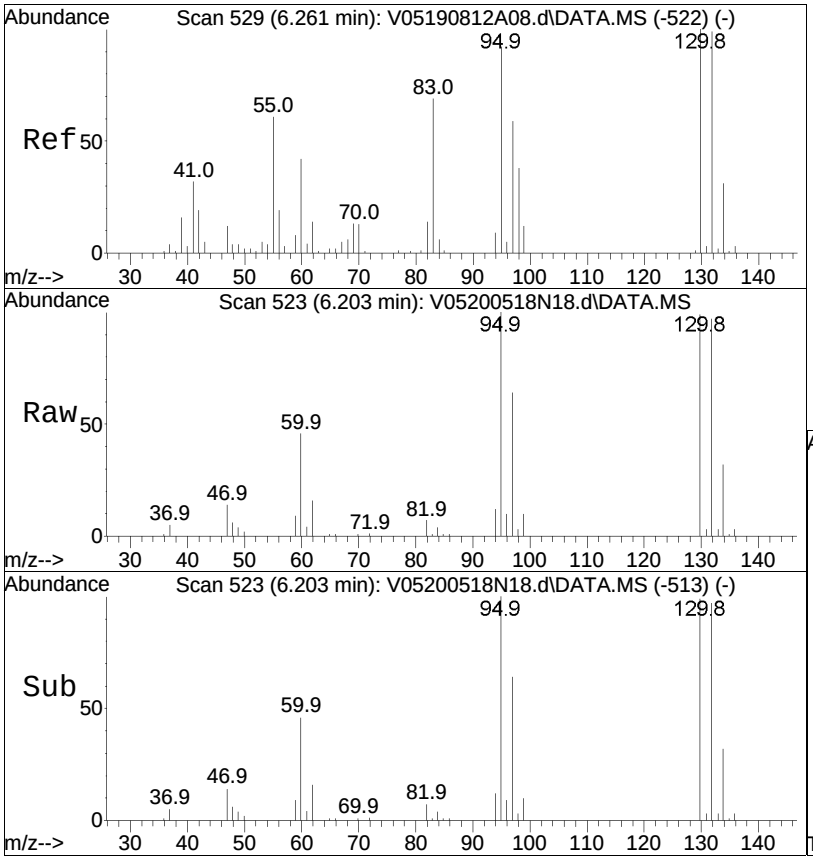


#28
cis-1,2-Dichloroethene
Concen: 4.46 ug/L
RT: 4.794 min Scan# 379
Delta R.T. -0.010 min
Lab File: V05200518N18.d
Acq: 19 May 2020 12:40 am

Tgt Ion: 96 Resp: 105013

Ion	Ratio	Lower	Upper
96	100		
61	121.9	100.5	150.7
98	62.7	49.8	74.8

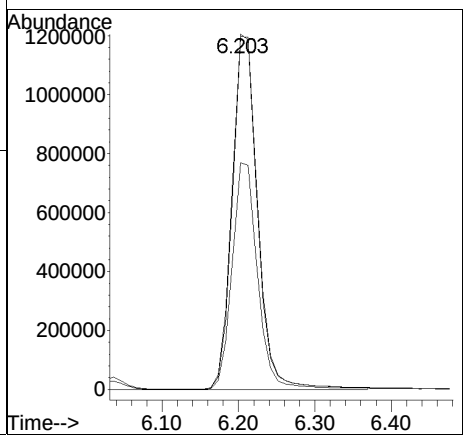


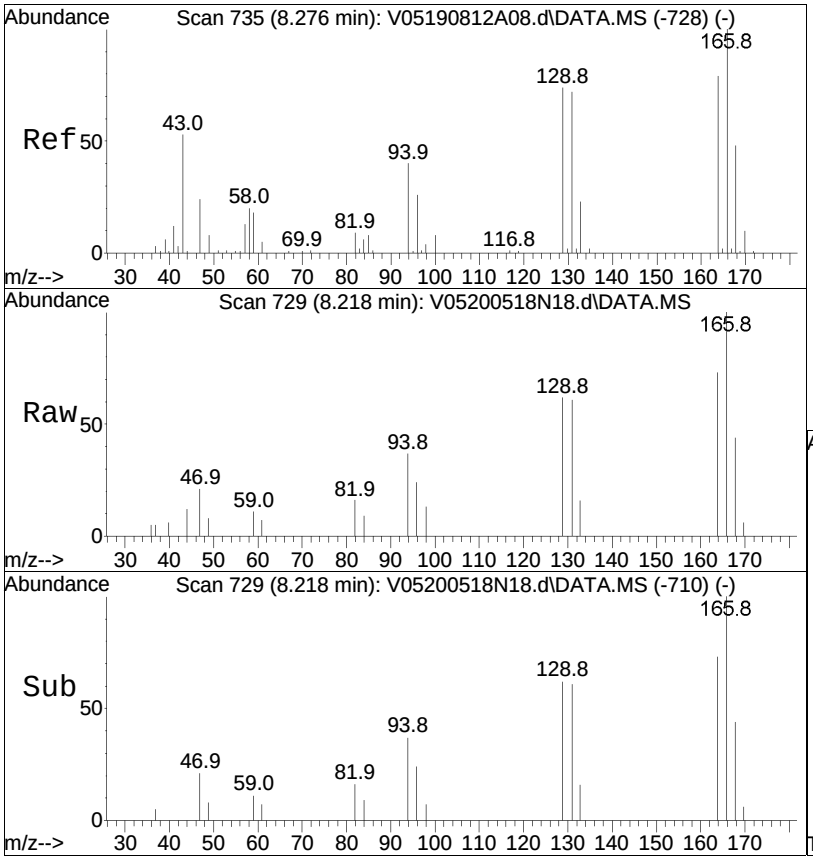


#48
Trichloroethene
Concen: 111.83 ug/L
RT: 6.203 min Scan# 523
Delta R.T. -0.019 min
Lab File: V05200518N18.d
Acq: 19 May 2020 12:40 am

Tgt Ion: 95 Resp: 2799973

Ion	Ratio	Lower	Upper
95	100		
97	63.9	56.1	84.1
130	99.6	77.7	116.5

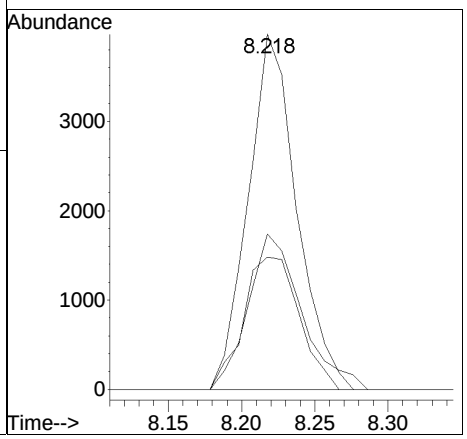




#63
Tetrachloroethene
Concen: 0.33 ug/L
RT: 8.218 min Scan# 729
Delta R.T. -0.009 min
Lab File: V05200518N18.d
Acq: 19 May 2020 12:40 am

Tgt Ion:166 Resp: 9173

Ion	Ratio	Lower	Upper
166	100		
168	48.0	30.2	70.2
94	42.7	32.5	72.5



Manual Integration Report

Data Path	: I:\VOLATILES\VOA105\2020\2	QMethod	: V105_200313N_8260.m
Data File	: V05200518N18.d	Operator	: VOA105:NLK
Date Inj'd	: 5/19/2020 12:40 am	Instrument	: VOA 105
Sample	: l2020006-01D,31,0.250,10,,	Quant Date	: 5/19/2020 9:16 am

There are no manual integrations or false positives in this file.

LSC Area Percent Report

Data Path : I:\VOLATILES\VOA105\2020\200518N\
Data File : V05200518N18.d
Acq On : 19 May 2020 12:40 am
Operator : VOA105:NLK
Sample : l2020006-01D,31,0.250,10,,a
Misc : WG1372229,ICAL16595
ALS Vial : 18 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : I:\VOLATILES\VOA105\2020\200518N\V105_200313N_8260.m
Title : VOLATILES BY GC/MS

Signal : TIC: V05200518N18.d\DATA.MS

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.234	416	424	444	rBV	459369	1077046	6.69%	3.365%
2	5.763	471	478	498	rBV	364776	866108	5.38%	2.706%
3	6.036	498	506	517	rVV	965767	2174683	13.50%	6.795%
4	6.203	517	523	569	rVB	6815268	16105214	100.00%	50.325%
5	7.719	671	678	704	rBV	1194882	2759931	17.14%	8.624%
6	9.559	856	864	886	rBV	1067856	2499761	15.52%	7.811%
7	11.048	1010	1016	1031	rBV	1053022	2180570	13.54%	6.814%
8	12.253	1134	1139	1160	rBV	1494636	2725290	16.92%	8.516%
9	15.329	1447	1453	1464	rBV	479178	875069	5.43%	2.734%
10	15.476	1464	1468	1473	rVV	421513	739027	4.59%	2.309%

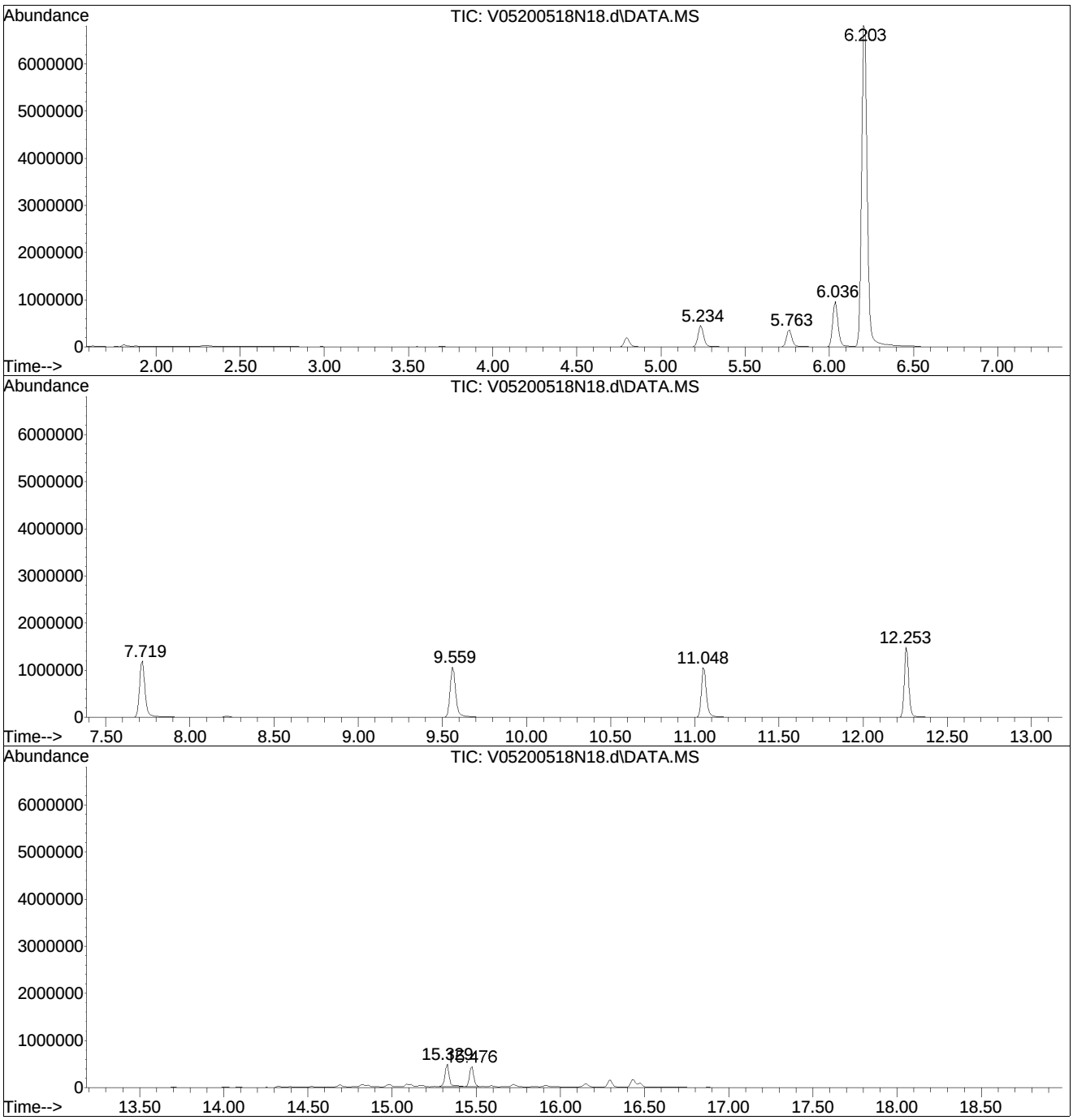
Sum of corrected areas: 32002699

LSC Report - Integrated Chromatogram

Data Path : I:\VOLATILES\VOA105\2020\200518N\
Data File : V05200518N18.d
Acq On : 19 May 2020 12:40 am
Operator : VOA105:NLK
Sample : l2020006-01D,31,0.250,10,,a
Misc : WG1372229,ICAL16595
ALS Vial : 18 Sample Multiplier: 1

Quant Method : I:\VOLATILES\VOA105\2020\200518N\V105_200313N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p



Library Search Compound Report

Data Path : I:\VOLATILES\VOA105\2020\200518N\
Data File : V05200518N18.d
Acq On : 19 May 2020 12:40 am
Operator : VOA105:NLK
Sample : l2020006-01D,31,0.250,10,,a
Misc : WG1372229,ICAL16595
ALS Vial : 18 Sample Multiplier: 1

Quant Method : I:\VOLATILES\VOA105\2020\200518N\V105_200313N_8260.m
Quant Title : VOLATILES BY GC/MS

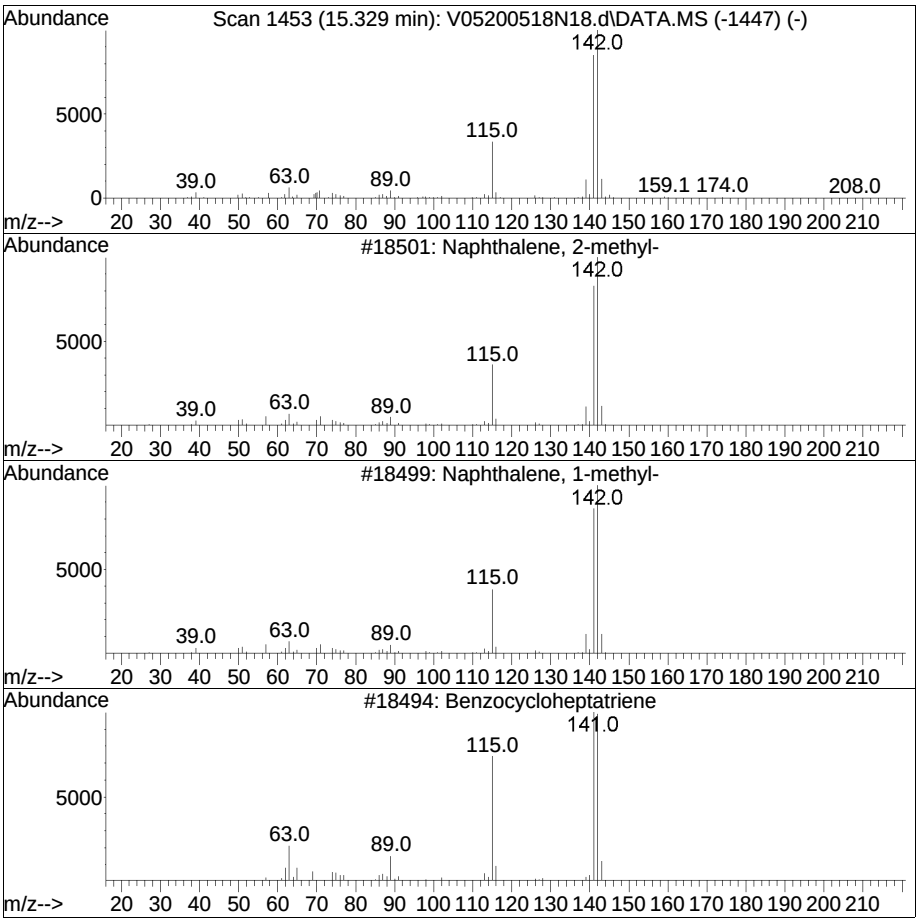
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TIC Integration Parameters: rteint.p

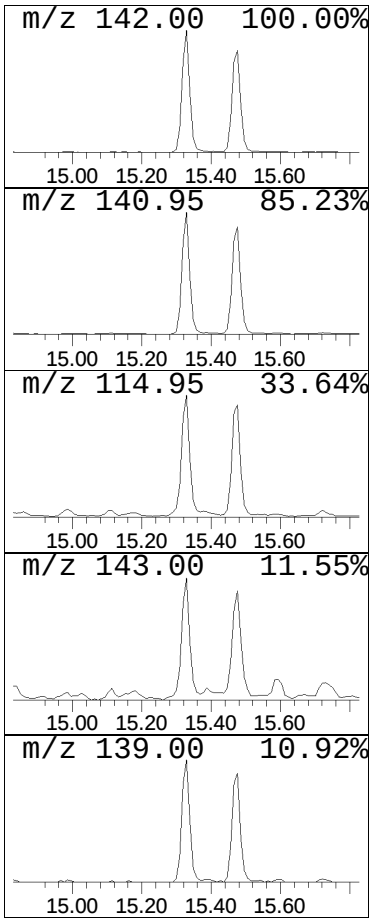
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Peak Number 1 Unknown Aromatic Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.329	3.21 ug/L	875069	1,4-Dichlorobenzene-d4	12.253

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3	Benzocycloheptatriene	142	C11H10	000264-09-5	91
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
5	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	64





Library Search Compound Report

Data Path : I:\VOLATILES\VOA105\2020\200518N\
Data File : V05200518N18.d
Acq On : 19 May 2020 12:40 am
Operator : VOA105:NLK
Sample : l2020006-01D,31,0.250,10,,a
Misc : WG1372229,ICAL16595
ALS Vial : 18 Sample Multiplier: 1

Quant Method : I:\VOLATILES\VOA105\2020\200518N\V105_200313N_8260.m
Quant Title : VOLATILES BY GC/MS

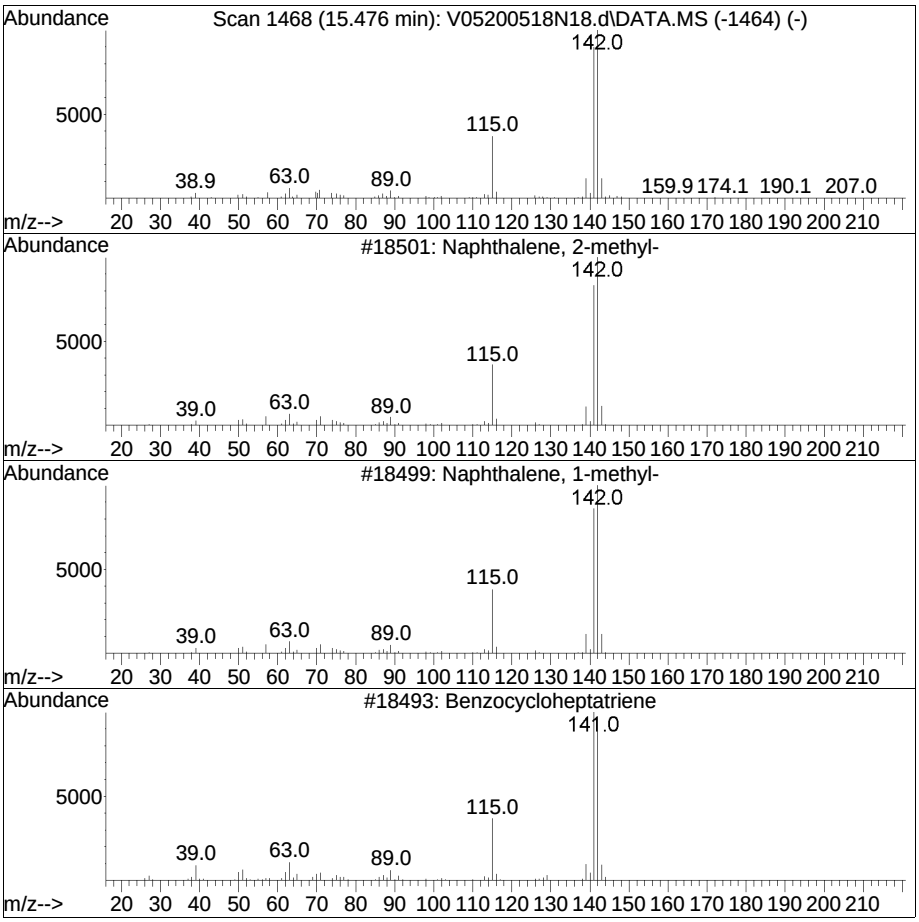
TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

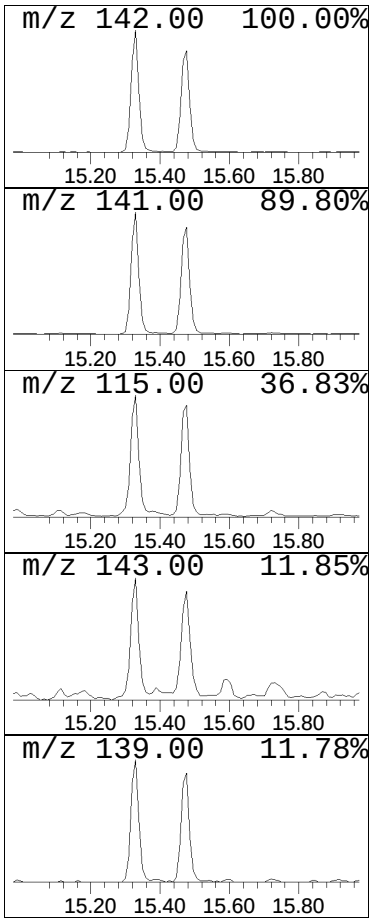
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Peak Number 2 Unknown Aromatic Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.476	2.71 ug/L	739027	1,4-Dichlorobenzene-d4	12.253

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3	Benzocycloheptatriene	142	C11H10	000264-09-5	91
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
5	Spiro(tricyclo[6.2.1.0(2,7)]unde...	186	C13H14O	1000210-02-3	83





Tentatively Identified Compound (LSC) summary

Data Path : I:\VOLATILES\VOA105\2020\200518N\
Data File : V05200518N18.d
Acq On : 19 May 2020 12:40 am
Operator : VOA105:NLK
Sample : l2020006-01D,31,0.250,10,,a
Misc : WG1372229,ICAL16595
ALS Vial : 18 Sample Multiplier: 1

Quant Method : I:\VOLATILES\VOA105\2020\200518N\V105_200313N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Unknown Aromatic	15.329	3.2	ug/L	875069	3	12.253	2725290	10.0
Unknown Aromatic	15.476	2.7	ug/L	739027	3	12.253	2725290	10.0

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2020\200518N\
Data File : V05200518N19.d
Acq On : 19 May 2020 1:04 am
Operator : VOA105:NLK
Sample : l2020006-02D,31,0.020,10,,a
Misc : WG1372229,ICAL16595
ALS Vial : 19 Sample Multiplier: 1

Quant Time: May 19 09:50:08 2020
Quant Method : I:\VOLATILES\VOA105\2020\200518N\V105_200313N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Mar 15 01:23:14 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2020\200518N\V05200518N01.d
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	6.036	96	1129788	10.000 ug/L	0.00
Standard Area 1 = 1103307			Recovery	= 102.40%	
59) Chlorobenzene-d5	9.559	117	820524	10.000 ug/L	-0.01
Standard Area 1 = 869831			Recovery	= 94.33%	
79) 1,4-Dichlorobenzene-d4	12.253	152	465596	10.000 ug/L	-0.01
Standard Area 1 = 540562			Recovery	= 86.13%	
System Monitoring Compounds					
36) Dibromofluoromethane	5.234	113	328120	10.849 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	= 108.49%	
43) 1,2-Dichloroethane-d4	5.762	65	350324	10.808 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	= 108.08%	
60) Toluene-d8	7.719	98	1103381	10.628 ug/L	-0.01
Spiked Amount 10.000	Range 70 - 130		Recovery	= 106.28%	
83) 4-Bromofluorobenzene	11.048	95	395800	9.034 ug/L	-0.01
Spiked Amount 10.000	Range 70 - 130		Recovery	= 90.34%	
Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.	
3) Chloromethane	1.879	50	623	N.D.	
4) Vinyl chloride	1.938	62	668	N.D.	
5) Bromomethane	2.320	94	499	N.D.	
6) Chloroethane	0.000		0	N.D. d	
7) Trichlorofluoromethane	0.000		0	N.D.	
10) 1,1-Dichloroethene	2.985	96	594	N.D.	
11) Carbon disulfide	3.014	76	2010	N.D.	
12) Freon-113	0.000		0	N.D.	
15) Methylene chloride	3.552	84	2172	0.091 ug/L	97
17) Acetone	3.611	43	2051	Below Cal #	66
18) trans-1,2-Dichloroethene	3.699	96	775	N.D.	
19) Methyl acetate	0.000		0	N.D. d	
20) Methyl tert-butyl ether	0.000		0	N.D.	
23) 1,1-Dichloroethane	0.000		0	N.D.	
28) cis-1,2-Dichloroethene	4.804	96	5644	0.215 ug/L	87
30) Bromochloromethane	0.000		0	N.D.	
31) Cyclohexane	0.000		0	N.D.	
32) Chloroform	5.058	83	1576	N.D.	
34) Carbon tetrachloride	0.000		0	N.D.	

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2020\200518N\
Data File : V05200518N19.d
Acq On : 19 May 2020 1:04 am
Operator : VOA105:NLK
Sample : l2020006-02D,31,0.020,10,,a
Misc : WG1372229,ICAL16595
ALS Vial : 19 Sample Multiplier: 1

Quant Time: May 19 09:50:08 2020
Quant Method : I:\VOLATILES\VOA105\2020\200518N\V105_200313N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Mar 15 01:23:14 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2020\200518N\V05200518N01.d
Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37)	1,1,1-Trichloroethane	0.000		0	N.D.		
39)	2-Butanone	5.361	43	284	N.D.		
41)	Benzene	5.606	78	250	N.D.		
44)	1,2-Dichloroethane	5.831	62	674	N.D.		
47)	Methyl cyclohexane	0.000		0	N.D.	d	
48)	Trichloroethene	6.203	95	4144256	148.298	ug/L	96
51)	1,2-Dichloropropane	0.000		0	N.D.		
54)	Bromodichloromethane	0.000		0	N.D.		
57)	1,4-Dioxane	0.000		0	N.D.		
58)	cis-1,3-Dichloropropene	0.000		0	N.D.		
61)	Toluene	7.777	92	2463	N.D.		
62)	4-Methyl-2-pentanone	0.000		0	N.D.		
63)	Tetrachloroethene	8.217	166	113664	4.043	ug/L	93
65)	trans-1,3-Dichloropropene	0.000		0	N.D.		
68)	1,1,2-Trichloroethane	0.000		0	N.D.		
69)	Chlorodibromomethane	0.000		0	N.D.		
71)	1,2-Dibromoethane	0.000		0	N.D.		
72)	2-Hexanone	0.000		0	N.D.		
73)	Chlorobenzene	9.588	112	102	N.D.		
74)	Ethylbenzene	9.627	91	829	N.D.		
76)	p/m Xylene	0.000		0	N.D.		
77)	o Xylene	0.000		0	N.D.		
78)	Styrene	0.000		0	N.D.		
80)	Bromoform	0.000		0	N.D.		
82)	Isopropylbenzene	10.724	105	101	N.D.		
87)	1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
100)	1,3-Dichlorobenzene	12.262	146	244	N.D.		
101)	1,4-Dichlorobenzene	12.262	146	244	N.D.		
104)	1,2-Dichlorobenzene	0.000		0	N.D.		
106)	1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
109)	1,2,4-Trichlorobenzene	0.000		0	N.D.		
111)	1,2,3-Trichlorobenzene	14.574	180	252	N.D.		

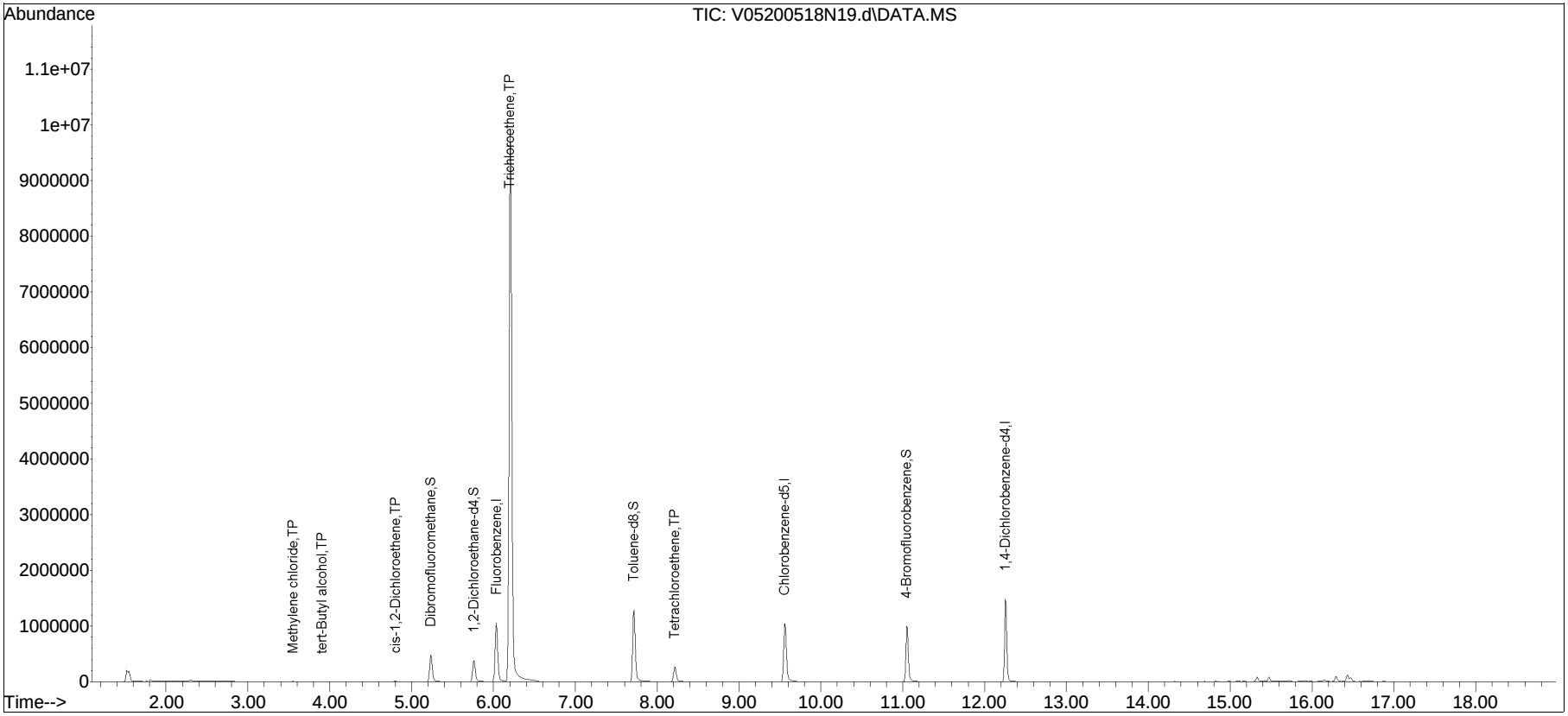
(#) = qualifier out of range (m) = manual integration (+) = signals summed

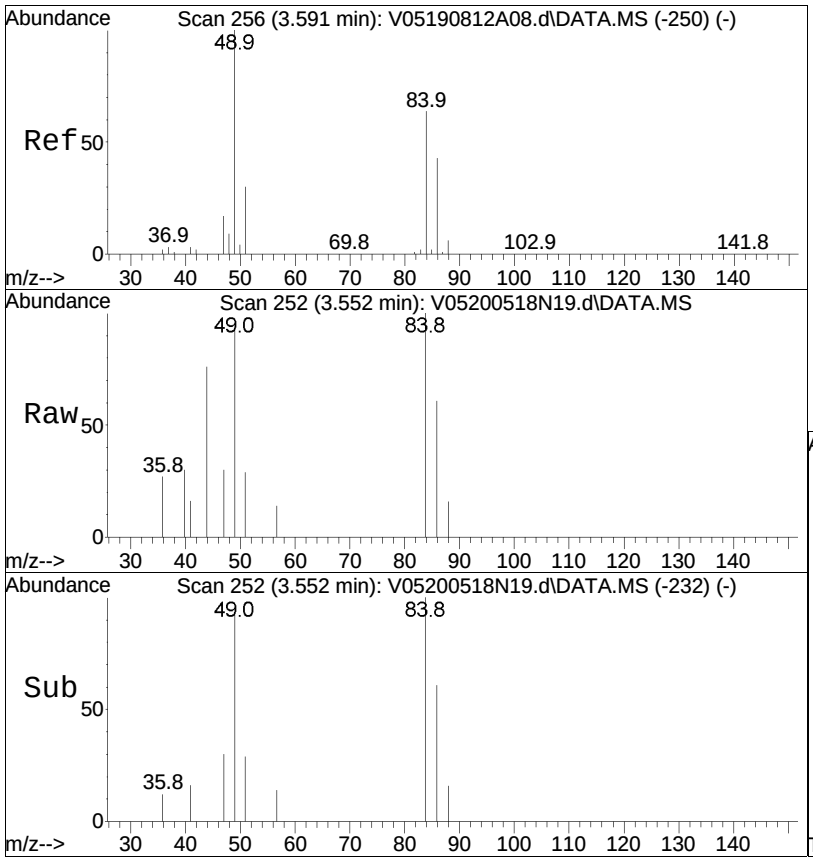
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2020\200518N\
Data File : V05200518N19.d
Acq On : 19 May 2020 1:04 am
Operator : VOA105:NLK
Sample : l2020006-02D,31,0.020,10,,a
Misc : WG1372229,ICAL16595
ALS Vial : 19 Sample Multiplier: 1

Quant Time: May 19 09:50:08 2020
Quant Method : I:\VOLATILES\VOA105\2020\200518N\V105_200313N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Mar 15 01:23:14 2020
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox00518N\V05200518N01.d•

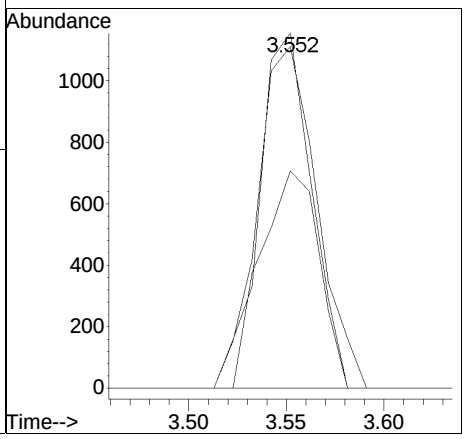


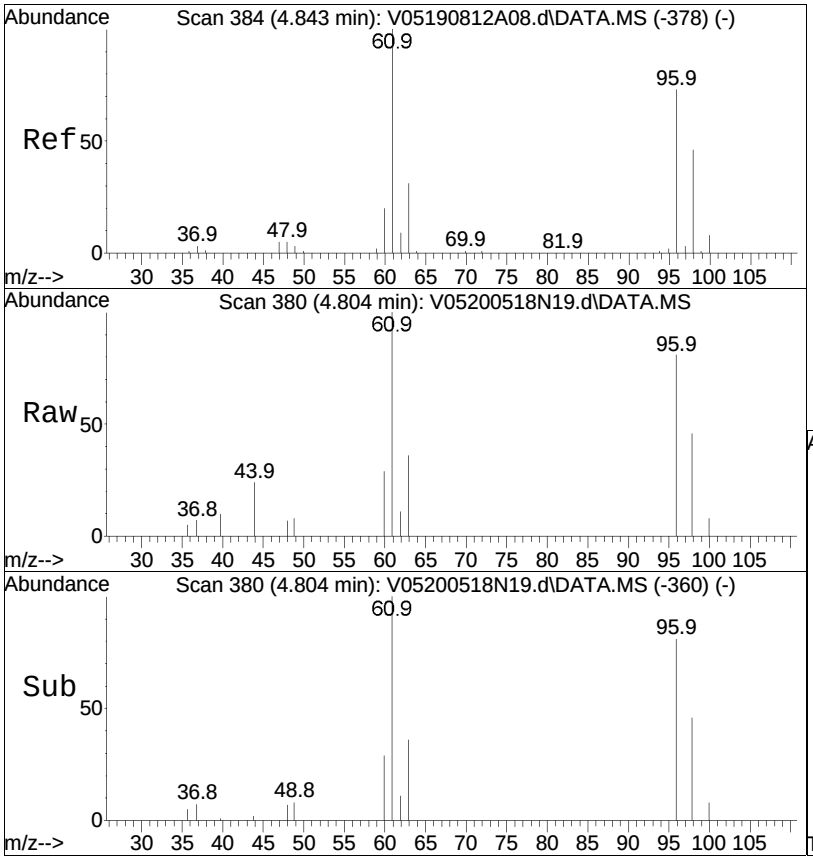


#15
Methylene chloride
Concen: 0.09 ug/L
RT: 3.552 min Scan# 252
Delta R.T. -0.000 min
Lab File: V05200518N19.d
Acq: 19 May 2020 1:04 am

Tgt Ion: 84 Resp: 2172

Ion	Ratio	Lower	Upper
84	100		
86	67.4	42.1	87.5
49	108.7	69.3	143.9

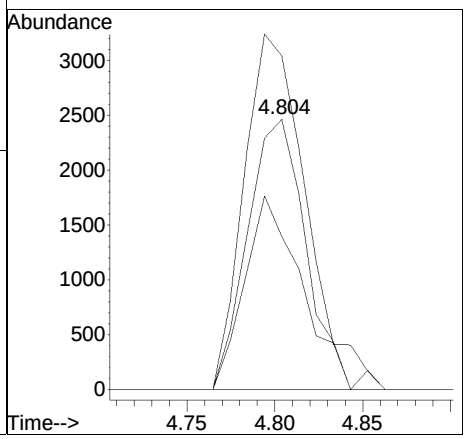


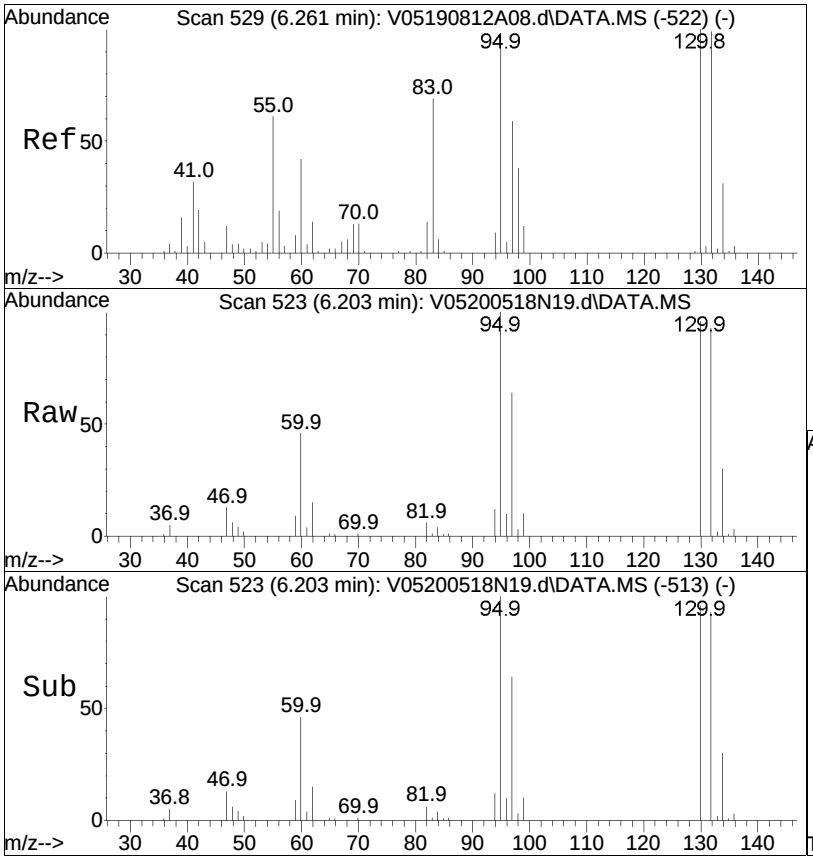


#28
cis-1,2-Dichloroethene
Concen: 0.21 ug/L
RT: 4.804 min Scan# 380
Delta R.T. -0.000 min
Lab File: V05200518N19.d
Acq: 19 May 2020 1:04 am

Tgt Ion: 96 Resp: 5644

Ion	Ratio	Lower	Upper
96	100		
61	141.7	100.5	150.7
98	71.5	49.8	74.8

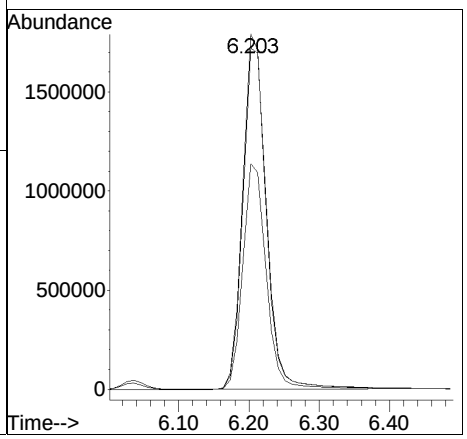


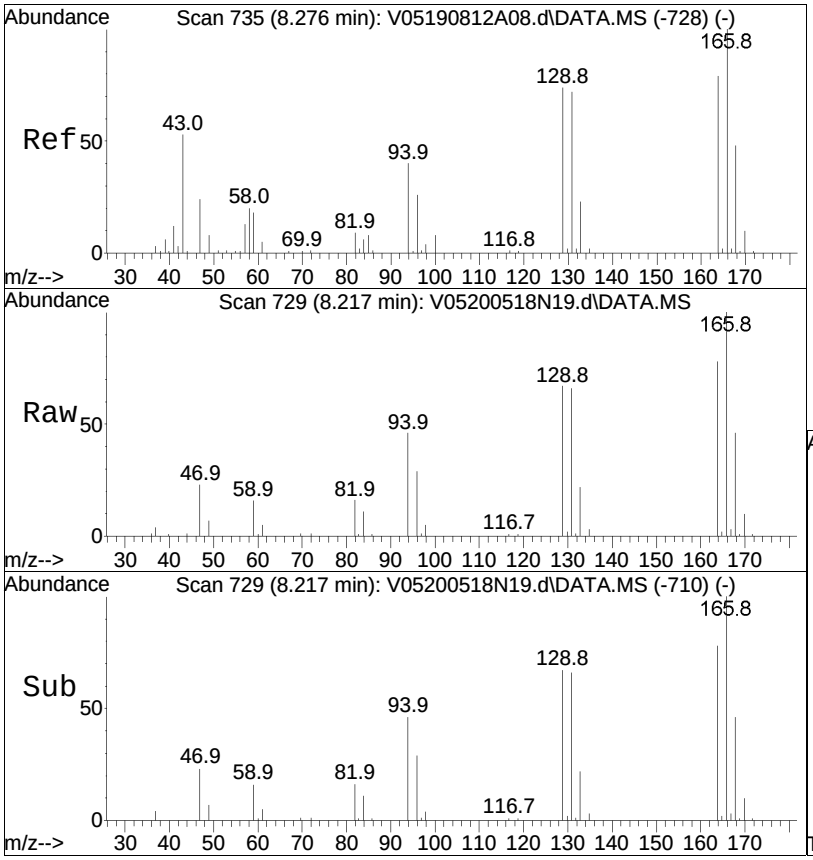


#48
Trichloroethene
Concen: 148.30 ug/L
RT: 6.203 min Scan# 523
Delta R.T. -0.019 min
Lab File: V05200518N19.d
Acq: 19 May 2020 1:04 am

Tgt Ion: 95 Resp: 4144256

Ion	Ratio	Lower	Upper
95	100		
97	64.0	56.1	84.1
130	98.4	77.7	116.5

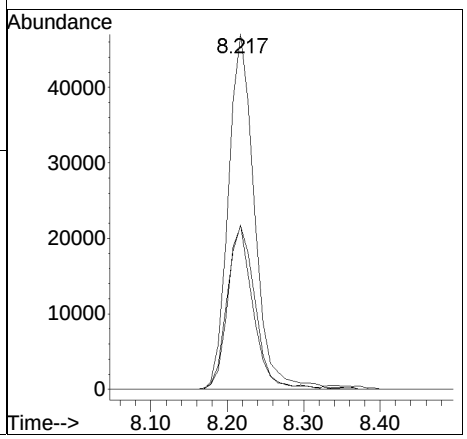




#63
Tetrachloroethene
Concen: 4.04 ug/L
RT: 8.217 min Scan# 729
Delta R.T. -0.010 min
Lab File: V05200518N19.d
Acq: 19 May 2020 1:04 am

Tgt Ion:166 Resp: 113664

Ion	Ratio	Lower	Upper
166	100		
168	48.2	30.2	70.2
94	45.2	32.5	72.5



Manual Integration Report

Data Path	: I:\VOLATILES\VOA105\2020\2	QMethod	: V105_200313N_8260.m
Data File	: V05200518N19.d	Operator	: VOA105:NLK
Date Inj'd	: 5/19/2020 1:04 am	Instrument	: VOA 105
Sample	: l2020006-02D,31,0.020,10,,	Quant Date	: 5/19/2020 9:16 am

There are no manual integrations or false positives in this file.

LSC Area Percent Report

Data Path : I:\VOLATILES\VOA105\2020\200518N\
Data File : V05200518N19.d
Acq On : 19 May 2020 1:04 am
Operator : VOA105:NLK
Sample : l2020006-02D,31,0.020,10,,a
Misc : WG1372229,ICAL16595
ALS Vial : 19 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : I:\VOLATILES\VOA105\2020\200518N\V105_200313N_8260.m
Title : VOLATILES BY GC/MS

Signal : TIC: V05200518N19.d\DATA.MS

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.234	415	424	449	rBV	480961	1126115	4.80%	2.950%
2	5.762	471	478	499	rBV	384889	923453	3.94%	2.419%
3	6.036	499	506	517	rVV	1058963	2399158	10.23%	6.284%
4	6.203	517	523	573	rVB	9827214	23441064	100.00%	61.399%
5	7.719	671	678	702	rBV	1293826	3001320	12.80%	7.861%
6	9.559	854	864	885	rBV	1046492	2488406	10.62%	6.518%
7	11.048	1009	1016	1035	rBV	992751	2083326	8.89%	5.457%
8	12.253	1130	1139	1166	rBV	1481840	2715317	11.58%	7.112%

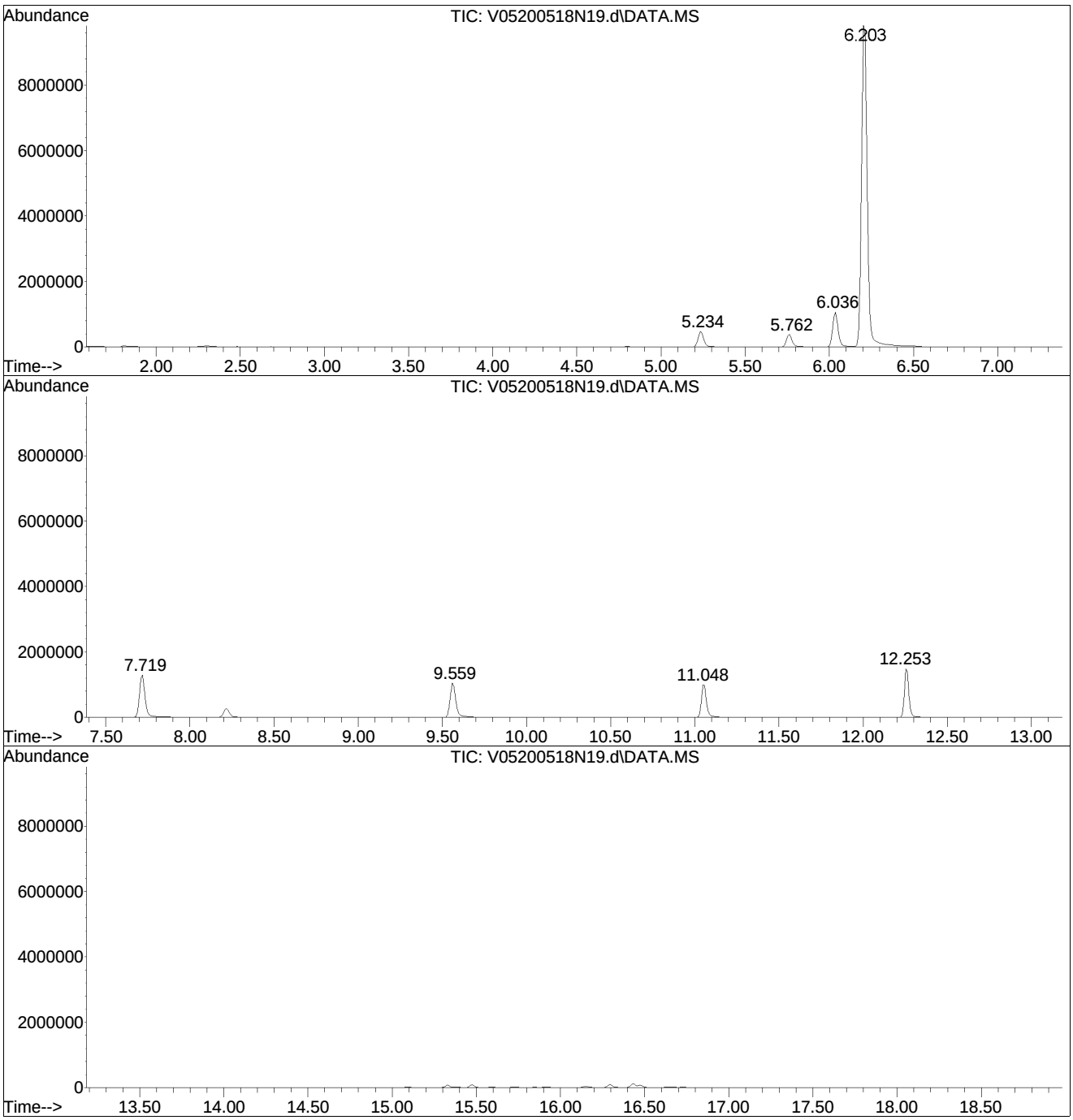
Sum of corrected areas: 38178159

LSC Report - Integrated Chromatogram

Data Path : I:\VOLATILES\VOA105\2020\200518N\
Data File : V05200518N19.d
Acq On : 19 May 2020 1:04 am
Operator : VOA105:NLK
Sample : l2020006-02D,31,0.020,10,,a
Misc : WG1372229,ICAL16595
ALS Vial : 19 Sample Multiplier: 1

Quant Method : I:\VOLATILES\VOA105\2020\200518N\V105_200313N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p



Library Search Compound Report

Data Path : I:\VOLATILES\VOA105\2020\200518N\
Data File : V05200518N19.d
Acq On : 19 May 2020 1:04 am
Operator : VOA105:NLK
Sample : l2020006-02D,31,0.020,10,,a
Misc : WG1372229,ICAL16595
ALS Vial : 19 Sample Multiplier: 1

Quant Method : I:\VOLATILES\VOA105\2020\200518N\V105_200313N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : I:\VOLATILES\VOA105\2020\200518N\
Data File : V05200518N19.d
Acq On : 19 May 2020 1:04 am
Operator : VOA105:NLK
Sample : l2020006-02D,31,0.020,10,,a
Misc : WG1372229,ICAL16595
ALS Vial : 19 Sample Multiplier: 1

Quant Method : I:\VOLATILES\VOA105\2020\200518N\V105_200313N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2020\200518N\
Data File : V05200518N20.d
Acq On : 19 May 2020 1:27 am
Operator : VOA105:NLK
Sample : l2020006-03D,31,0.100,10,,a
Misc : WG1372229,ICAL16595
ALS Vial : 20 Sample Multiplier: 1

Quant Time: May 19 09:50:55 2020
Quant Method : I:\VOLATILES\VOA105\2020\200518N\V105_200313N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Mar 15 01:23:14 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2020\200518N\V05200518N01.d
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	6.037	96	996586	10.000 ug/L	0.00
Standard Area 1 = 1103307			Recovery	= 90.33%	
59) Chlorobenzene-d5	9.559	117	873053	10.000 ug/L	-0.01
Standard Area 1 = 869831			Recovery	= 100.37%	
79) 1,4-Dichlorobenzene-d4	12.253	152	470597	10.000 ug/L	-0.01
Standard Area 1 = 540562			Recovery	= 87.06%	
System Monitoring Compounds					
36) Dibromofluoromethane	5.234	113	298343	11.183 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	= 111.83%	
43) 1,2-Dichloroethane-d4	5.763	65	324465	11.348 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	= 113.48%	
60) Toluene-d8	7.719	98	1118164	10.123 ug/L	-0.01
Spiked Amount 10.000	Range 70 - 130		Recovery	= 101.23%	
83) 4-Bromofluorobenzene	11.048	95	403247	9.107 ug/L	-0.01
Spiked Amount 10.000	Range 70 - 130		Recovery	= 91.07%	
Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.	
3) Chloromethane	1.889	50	371	N.D.	
4) Vinyl chloride	1.938	62	697	N.D.	
5) Bromomethane	2.251	94	600	N.D.	
6) Chloroethane	2.418	64	300	N.D.	
7) Trichlorofluoromethane	0.000		0	N.D.	
10) 1,1-Dichloroethene	2.985	96	1361	0.071 ug/L #	84
11) Carbon disulfide	3.014	76	1701	N.D.	
12) Freon-113	0.000		0	N.D.	
15) Methylene chloride	3.552	84	1909	0.091 ug/L	94
17) Acetone	3.748	43	351	Below Cal	96
18) trans-1,2-Dichloroethene	3.699	96	33935	1.583 ug/L	96
19) Methyl acetate	3.748	43	480	N.D.	
20) Methyl tert-butyl ether	0.000		0	N.D.	
23) 1,1-Dichloroethane	0.000		0	N.D.	
28) cis-1,2-Dichloroethene	4.794	96	59407	2.561 ug/L	98
30) Bromochloromethane	0.000		0	N.D.	
31) Cyclohexane	4.970	56	97	N.D.	
32) Chloroform	5.058	83	1256	N.D.	
34) Carbon tetrachloride	0.000		0	N.D.	

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2020\200518N\
Data File : V05200518N20.d
Acq On : 19 May 2020 1:27 am
Operator : VOA105:NLK
Sample : l2020006-03D,31,0.100,10,,a
Misc : WG1372229,ICAL16595
ALS Vial : 20 Sample Multiplier: 1

Quant Time: May 19 09:50:55 2020
Quant Method : I:\VOLATILES\VOA105\2020\200518N\V105_200313N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Mar 15 01:23:14 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2020\200518N\V05200518N01.d
Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37)	1,1,1-Trichloroethane	0.000		0	N.D.		
39)	2-Butanone	5.401	43	184	N.D.		
41)	Benzene	5.616	78	494	N.D.		
44)	1,2-Dichloroethane	5.831	62	472	N.D.		
47)	Methyl cyclohexane	0.000		0	N.D. d		
48)	Trichloroethene	6.203	95	2397047	97.241	ug/L	95
51)	1,2-Dichloropropane	0.000		0	N.D.		
54)	Bromodichloromethane	0.000		0	N.D.		
57)	1,4-Dioxane	0.000		0	N.D.		
58)	cis-1,3-Dichloropropene	0.000		0	N.D.		
61)	Toluene	7.719	92	89	N.D.		
62)	4-Methyl-2-pentanone	0.000		0	N.D.		
63)	Tetrachloroethene	8.218	166	6139	0.205	ug/L	90
65)	trans-1,3-Dichloropropene	0.000		0	N.D.		
68)	1,1,2-Trichloroethane	0.000		0	N.D.		
69)	Chlorodibromomethane	0.000		0	N.D.		
71)	1,2-Dibromoethane	0.000		0	N.D.		
72)	2-Hexanone	9.245	43	133	N.D.		
73)	Chlorobenzene	9.579	112	103	N.D.		
74)	Ethylbenzene	9.559	91	1958	N.D.		
76)	p/m Xylene	0.000		0	N.D.		
77)	o Xylene	0.000		0	N.D.		
78)	Styrene	0.000		0	N.D.		
80)	Bromoform	0.000		0	N.D.		
82)	Isopropylbenzene	0.000		0	N.D.		
87)	1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
100)	1,3-Dichlorobenzene	12.272	146	195	N.D.		
101)	1,4-Dichlorobenzene	12.272	146	195	N.D.		
104)	1,2-Dichlorobenzene	0.000		0	N.D.		
106)	1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
109)	1,2,4-Trichlorobenzene	0.000		0	N.D.		
111)	1,2,3-Trichlorobenzene	14.565	180	163	N.D.		

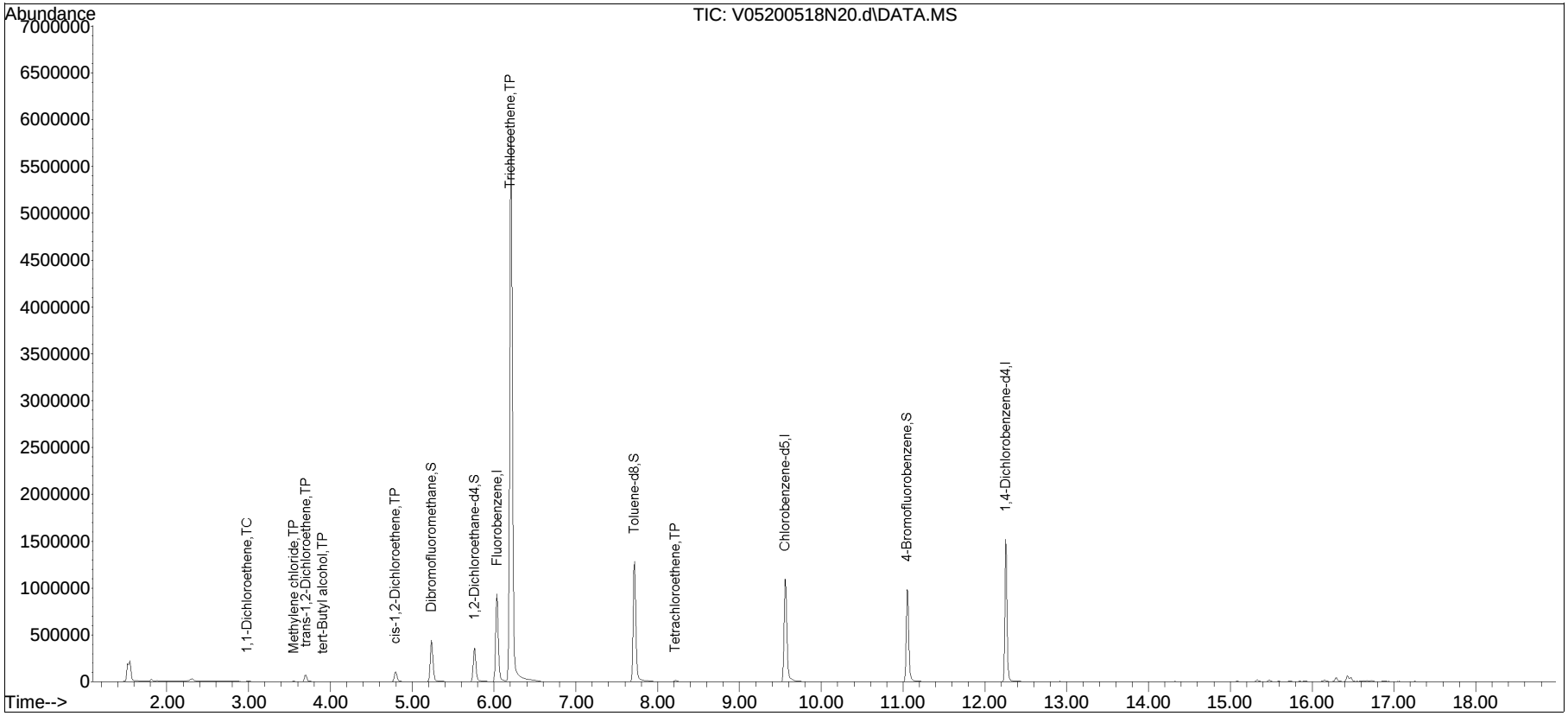
(#) = qualifier out of range (m) = manual integration (+) = signals summed

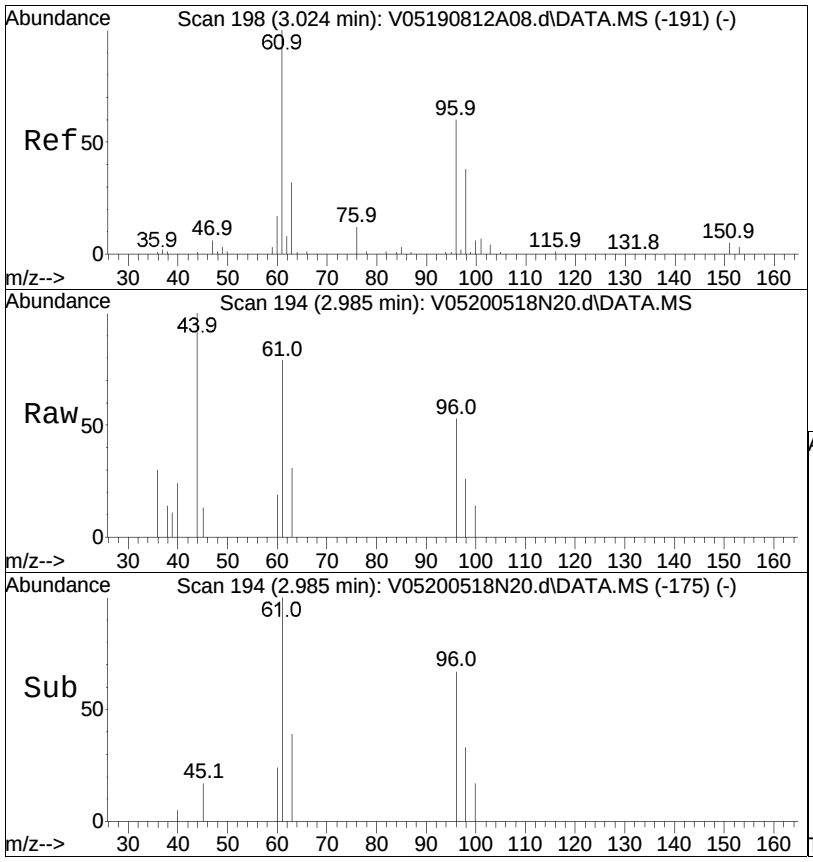
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2020\200518N\
Data File : V05200518N20.d
Acq On : 19 May 2020 1:27 am
Operator : VOA105:NLK
Sample : l2020006-03D,31,0.100,10,,a
Misc : WG1372229,ICAL16595
ALS Vial : 20 Sample Multiplier: 1

Quant Time: May 19 09:50:55 2020
Quant Method : I:\VOLATILES\VOA105\2020\200518N\V105_200313N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Mar 15 01:23:14 2020
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox00518N\V05200518N01.d•

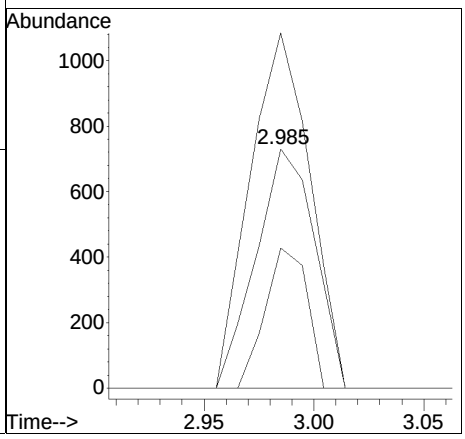


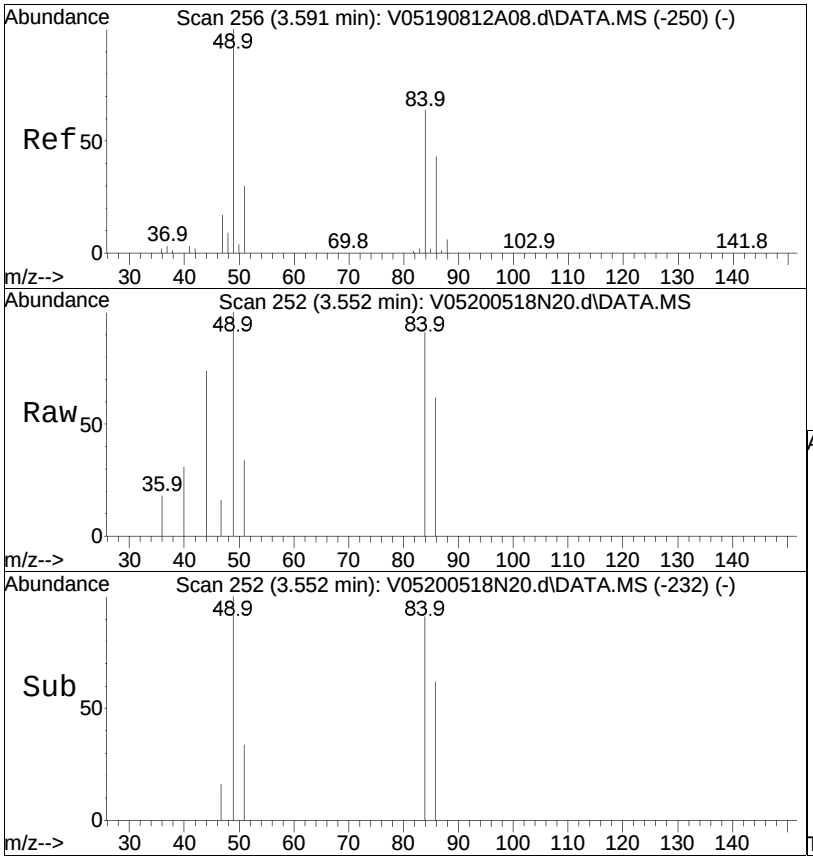


#10
1,1-Dichloroethene
Concen: 0.07 ug/L
RT: 2.985 min Scan# 194
Delta R.T. -0.010 min
Lab File: V05200518N20.d
Acq: 19 May 2020 1:27 am

Tgt Ion: 96 Resp: 1361

Ion	Ratio	Lower	Upper
96	100		
61	151.2	136.7	205.1
63	41.9	45.0	67.6#

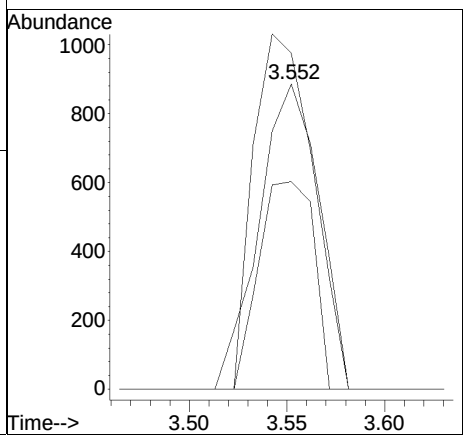


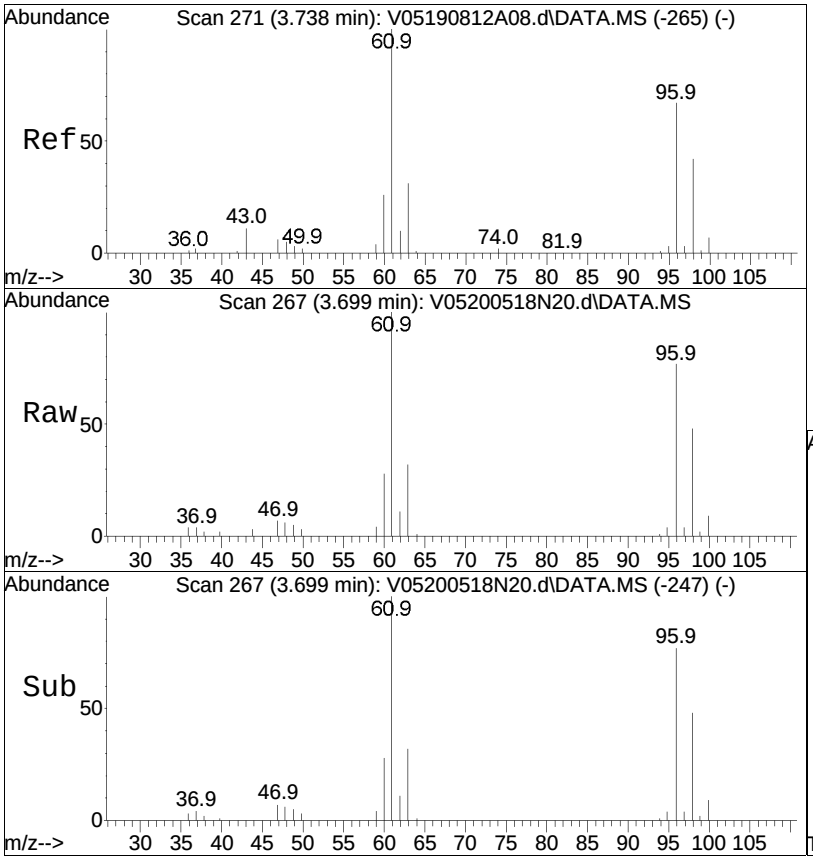


#15
Methylene chloride
Concen: 0.09 ug/L
RT: 3.552 min Scan# 252
Delta R.T. 0.000 min
Lab File: V05200518N20.d
Acq: 19 May 2020 1:27 am

Tgt Ion: 84 Resp: 1909

Ion	Ratio	Lower	Upper
84	100		
86	61.9	42.1	87.5
49	114.7	69.3	143.9

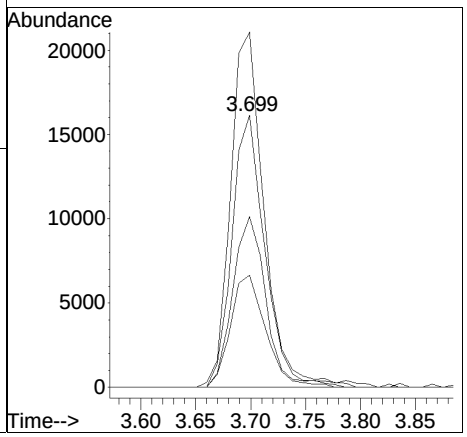


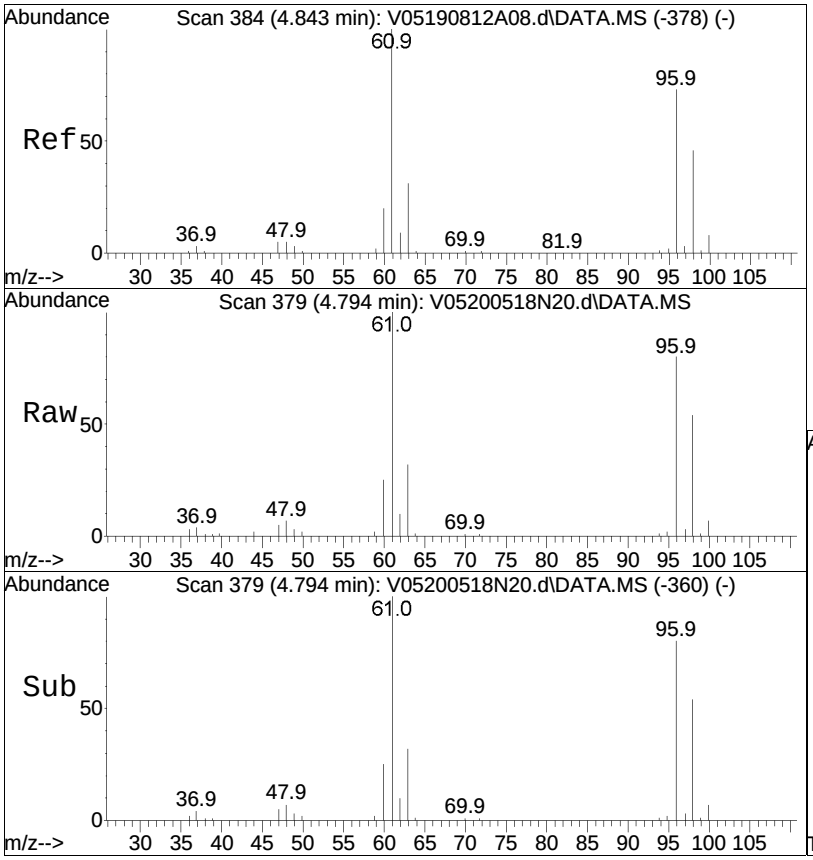


#18
trans-1,2-Dichloroethene
Concen: 1.58 ug/L
RT: 3.699 min Scan# 267
Delta R.T. -0.000 min
Lab File: V05200518N20.d
Acq: 19 May 2020 1:27 am

Tgt Ion: 96 Resp: 33935

Ion	Ratio	Lower	Upper
96	100		
61	133.2	91.7	190.5
98	63.5	41.1	85.5
63	44.1	29.4	61.0

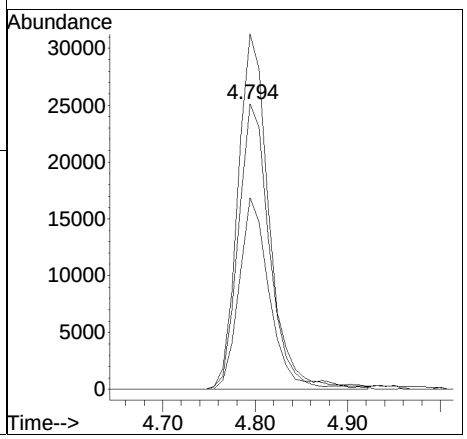


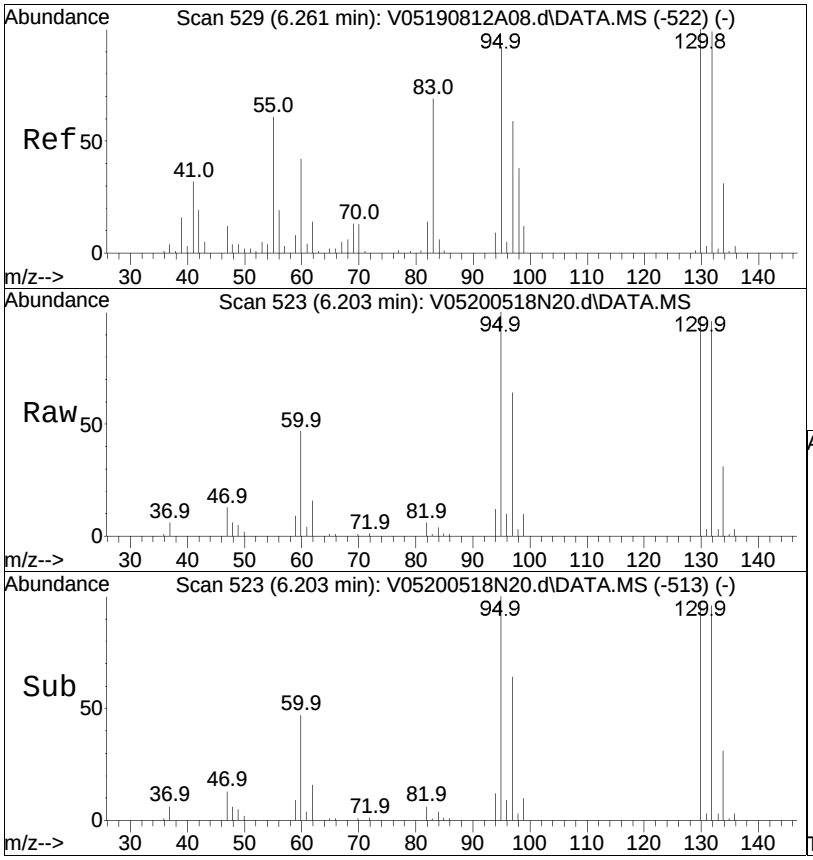


#28
cis-1,2-Dichloroethene
Concen: 2.56 ug/L
RT: 4.794 min Scan# 379
Delta R.T. -0.010 min
Lab File: V05200518N20.d
Acq: 19 May 2020 1:27 am

Tgt Ion: 96 Resp: 59407

Ion	Ratio	Lower	Upper
96	100		
61	125.0	100.5	150.7
98	65.2	49.8	74.8

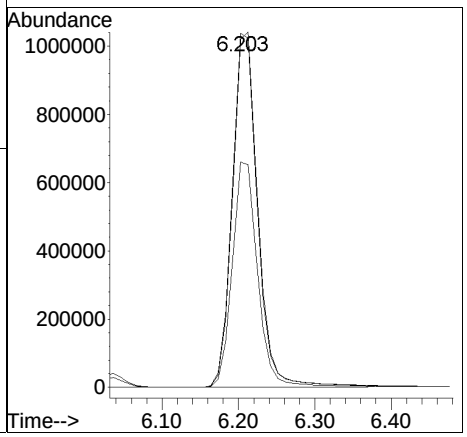


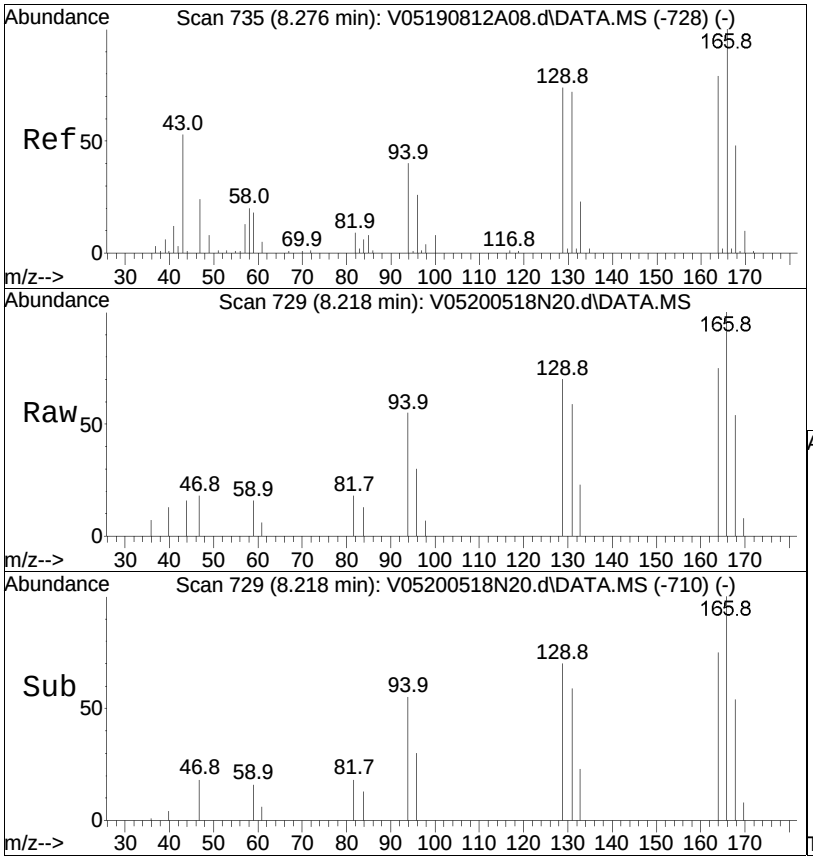


#48
Trichloroethene
Concen: 97.24 ug/L
RT: 6.203 min Scan# 523
Delta R.T. -0.019 min
Lab File: V05200518N20.d
Acq: 19 May 2020 1:27 am

Tgt Ion: 95 Resp: 2397047

Ion	Ratio	Lower	Upper
95	100		
97	64.0	56.1	84.1
130	100.6	77.7	116.5

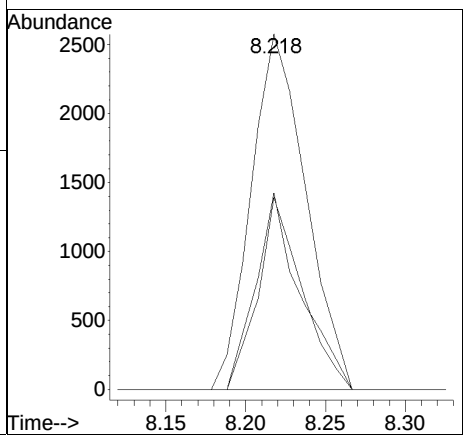




#63
Tetrachloroethene
Concen: 0.21 ug/L
RT: 8.218 min Scan# 729
Delta R.T. -0.009 min
Lab File: V05200518N20.d
Acq: 19 May 2020 1:27 am

Tgt Ion:166 Resp: 6139

Ion	Ratio	Lower	Upper
166	100		
168	43.5	30.2	70.2
94	45.4	32.5	72.5



Manual Integration Report

Data Path	: I:\VOLATILES\VOA105\2020\2	QMethod	: V105_200313N_8260.m
Data File	: V05200518N20.d	Operator	: VOA105:NLK
Date Inj'd	: 5/19/2020 1:27 am	Instrument	: VOA 105
Sample	: l2020006-03D,31,0.100,10,,	Quant Date	: 5/19/2020 9:16 am

There are no manual integrations or false positives in this file.

LSC Area Percent Report

Data Path : I:\VOLATILES\VOA105\2020\200518N\
Data File : V05200518N20.d
Acq On : 19 May 2020 1:27 am
Operator : VOA105:NLK
Sample : l2020006-03D,31,0.100,10,,a
Misc : WG1372229,ICAL16595
ALS Vial : 20 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : I:\VOLATILES\VOA105\2020\200518N\V105_200313N_8260.m
Title : VOLATILES BY GC/MS

Signal : TIC: V05200518N20.d\DATA.MS

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.234	413	424	448	rBV	444313	1027955	7.41%	3.624%
2	5.763	471	478	499	rBV	360956	858490	6.19%	3.026%
3	6.037	499	506	517	rVV	936613	2122209	15.30%	7.481%
4	6.203	517	523	568	rVB	5840751	13869027	100.00%	48.888%
5	7.719	669	678	709	rBV	1280738	2987776	21.54%	10.532%
6	9.559	850	864	885	rBV	1097616	2623352	18.92%	9.247%
7	11.048	1007	1016	1043	rBV	982905	2126103	15.33%	7.494%
8	12.253	1134	1139	1163	rBV	1518862	2754145	19.86%	9.708%

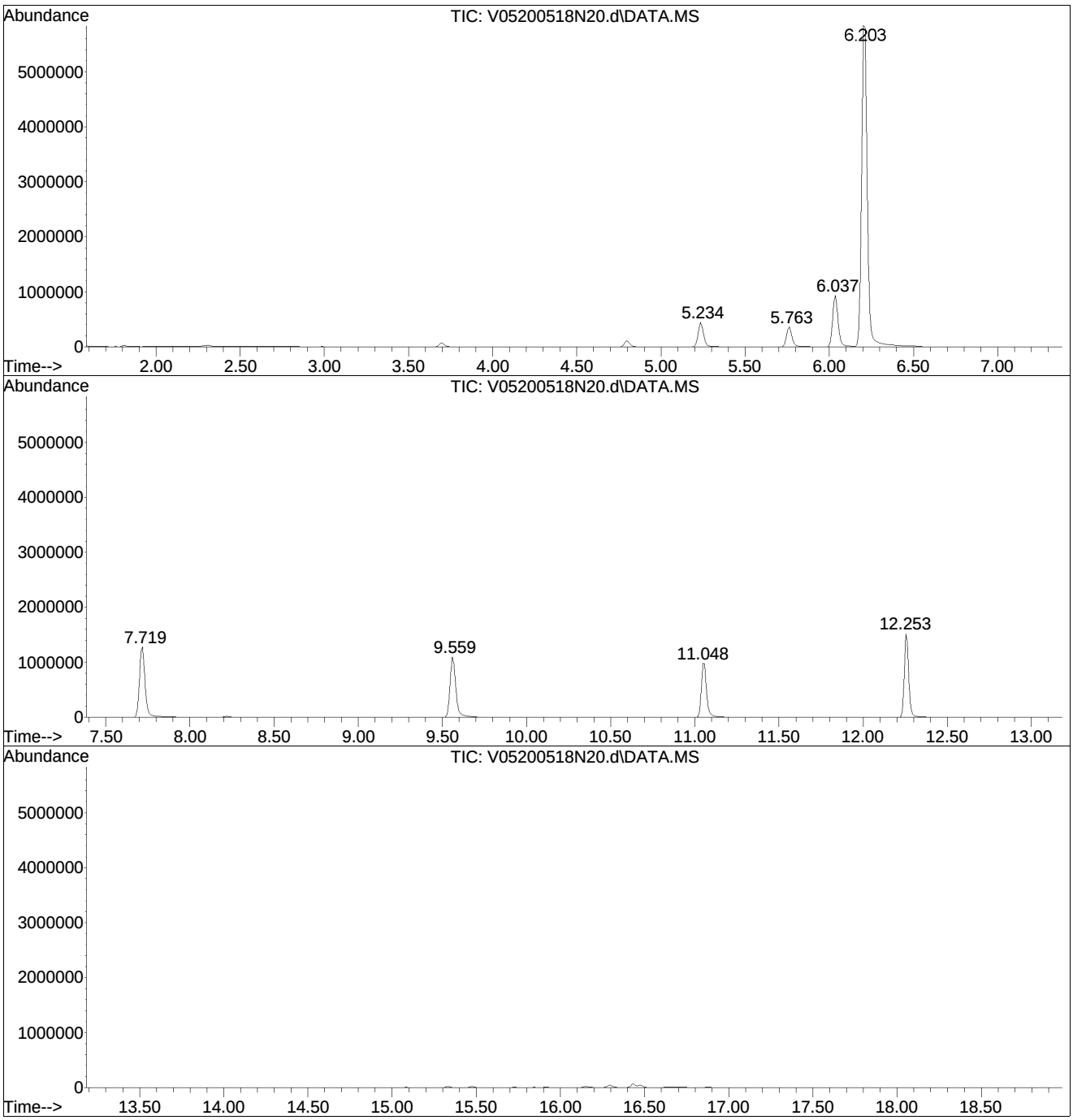
Sum of corrected areas: 28369057

LSC Report - Integrated Chromatogram

Data Path : I:\VOLATILES\VOA105\2020\200518N\
Data File : V05200518N20.d
Acq On : 19 May 2020 1:27 am
Operator : VOA105:NLK
Sample : l2020006-03D,31,0.100,10,,a
Misc : WG1372229,ICAL16595
ALS Vial : 20 Sample Multiplier: 1

Quant Method : I:\VOLATILES\VOA105\2020\200518N\V105_200313N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p



Library Search Compound Report

Data Path : I:\VOLATILES\VOA105\2020\200518N\
Data File : V05200518N20.d
Acq On : 19 May 2020 1:27 am
Operator : VOA105:NLK
Sample : l2020006-03D,31,0.100,10,,a
Misc : WG1372229,ICAL16595
ALS Vial : 20 Sample Multiplier: 1

Quant Method : I:\VOLATILES\VOA105\2020\200518N\V105_200313N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : I:\VOLATILES\VOA105\2020\200518N\
Data File : V05200518N20.d
Acq On : 19 May 2020 1:27 am
Operator : VOA105:NLK
Sample : l2020006-03D,31,0.100,10,,a
Misc : WG1372229,ICAL16595
ALS Vial : 20 Sample Multiplier: 1

Quant Method : I:\VOLATILES\VOA105\2020\200518N\V105_200313N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

						Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2020\200518N\
Data File : V05200518N21.d
Acq On : 19 May 2020 1:50 am
Operator : VOA105:NLK
Sample : l2020006-04D,31,0.250,10,,a
Misc : WG1372229,ICAL16595
ALS Vial : 21 Sample Multiplier: 1

Quant Time: May 19 09:51:34 2020
Quant Method : I:\VOLATILES\VOA105\2020\200518N\V105_200313N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Mar 15 01:23:14 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2020\200518N\V05200518N01.d
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	6.036	96	973614	10.000 ug/L	0.00
Standard Area 1 = 1103307			Recovery = 88.25%		
59) Chlorobenzene-d5	9.559	117	830187	10.000 ug/L	-0.01
Standard Area 1 = 869831			Recovery = 95.44%		
79) 1,4-Dichlorobenzene-d4	12.253	152	449150	10.000 ug/L	-0.01
Standard Area 1 = 540562			Recovery = 83.09%		
System Monitoring Compounds					
36) Dibromofluoromethane	5.234	113	292764	11.233 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 112.33%		
43) 1,2-Dichloroethane-d4	5.763	65	312023	11.171 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 111.71%		
60) Toluene-d8	7.719	98	977544	9.307 ug/L	-0.01
Spiked Amount 10.000	Range 70 - 130		Recovery = 93.07%		
83) 4-Bromofluorobenzene	11.048	95	397696	9.410 ug/L	-0.01
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.10%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.	
3) Chloromethane	1.860	50	219	N.D.	
4) Vinyl chloride	1.938	62	231	N.D.	
5) Bromomethane	2.251	94	475	N.D.	
6) Chloroethane	2.290	64	712	N.D.	
7) Trichlorofluoromethane	0.000		0	N.D.	
10) 1,1-Dichloroethene	2.975	96	472	N.D.	
11) Carbon disulfide	3.014	76	1393	N.D.	
12) Freon-113	0.000		0	N.D.	
15) Methylene chloride	3.552	84	1890	0.092 ug/L	86
17) Acetone	3.601	43	1699	Below Cal #	58
18) trans-1,2-Dichloroethene	3.699	96	774	N.D.	
19) Methyl acetate	0.000		0	N.D. d	
20) Methyl tert-butyl ether	0.000		0	N.D.	
23) 1,1-Dichloroethane	0.000		0	N.D.	
28) cis-1,2-Dichloroethene	4.804	96	9577	0.423 ug/L	93
30) Bromochloromethane	0.000		0	N.D.	
31) Cyclohexane	0.000		0	N.D.	
32) Chloroform	5.058	83	2621	0.070 ug/L	93
34) Carbon tetrachloride	0.000		0	N.D.	

Data Path : I:\VOLATILES\VOA105\2020\200518N\
Data File : V05200518N21.d
Acq On : 19 May 2020 1:50 am
Operator : VOA105:NLK
Sample : l2020006-04D,31,0.250,10,,a
Misc : WG1372229,ICAL16595
ALS Vial : 21 Sample Multiplier: 1

Quant Time: May 19 09:51:34 2020
Quant Method : I:\VOLATILES\VOA105\2020\200518N\V105_200313N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Mar 15 01:23:14 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2020\200518N\V05200518N01.d
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1,1,1-Trichloroethane	0.000		0	N.D.		
39) 2-Butanone	5.371	43	150	N.D.		
41) Benzene	5.626	78	465	N.D.		
44) 1,2-Dichloroethane	5.831	62	492	N.D.		
47) Methyl cyclohexane	0.000		0	N.D.	d	
48) Trichloroethene	6.203	95	3486825	144.787	ug/L	95
51) 1,2-Dichloropropane	0.000		0	N.D.		
54) Bromodichloromethane	0.000		0	N.D.		
57) 1,4-Dioxane	0.000		0	N.D.		
58) cis-1,3-Dichloropropene	0.000		0	N.D.		
61) Toluene	7.719	92	91	N.D.		
62) 4-Methyl-2-pentanone	0.000		0	N.D.		
63) Tetrachloroethene	8.218	166	35565	1.250	ug/L	90
65) trans-1,3-Dichloropropene	0.000		0	N.D.		
68) 1,1,2-Trichloroethane	0.000		0	N.D.		
69) Chlorodibromomethane	0.000		0	N.D.		
71) 1,2-Dibromoethane	0.000		0	N.D.		
72) 2-Hexanone	0.000		0	N.D.		
73) Chlorobenzene	9.569	112	92	N.D.		
74) Ethylbenzene	9.618	91	360	N.D.		
76) p/m Xylene	0.000		0	N.D.		
77) o Xylene	0.000		0	N.D.		
78) Styrene	0.000		0	N.D.		
80) Bromoform	0.000		0	N.D.		
82) Isopropylbenzene	0.000		0	N.D.		
87) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
100) 1,3-Dichlorobenzene	12.272	146	226	N.D.		
101) 1,4-Dichlorobenzene	12.272	146	226	N.D.		
104) 1,2-Dichlorobenzene	0.000		0	N.D.		
106) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
109) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
111) 1,2,3-Trichlorobenzene	14.555	180	185	N.D.		

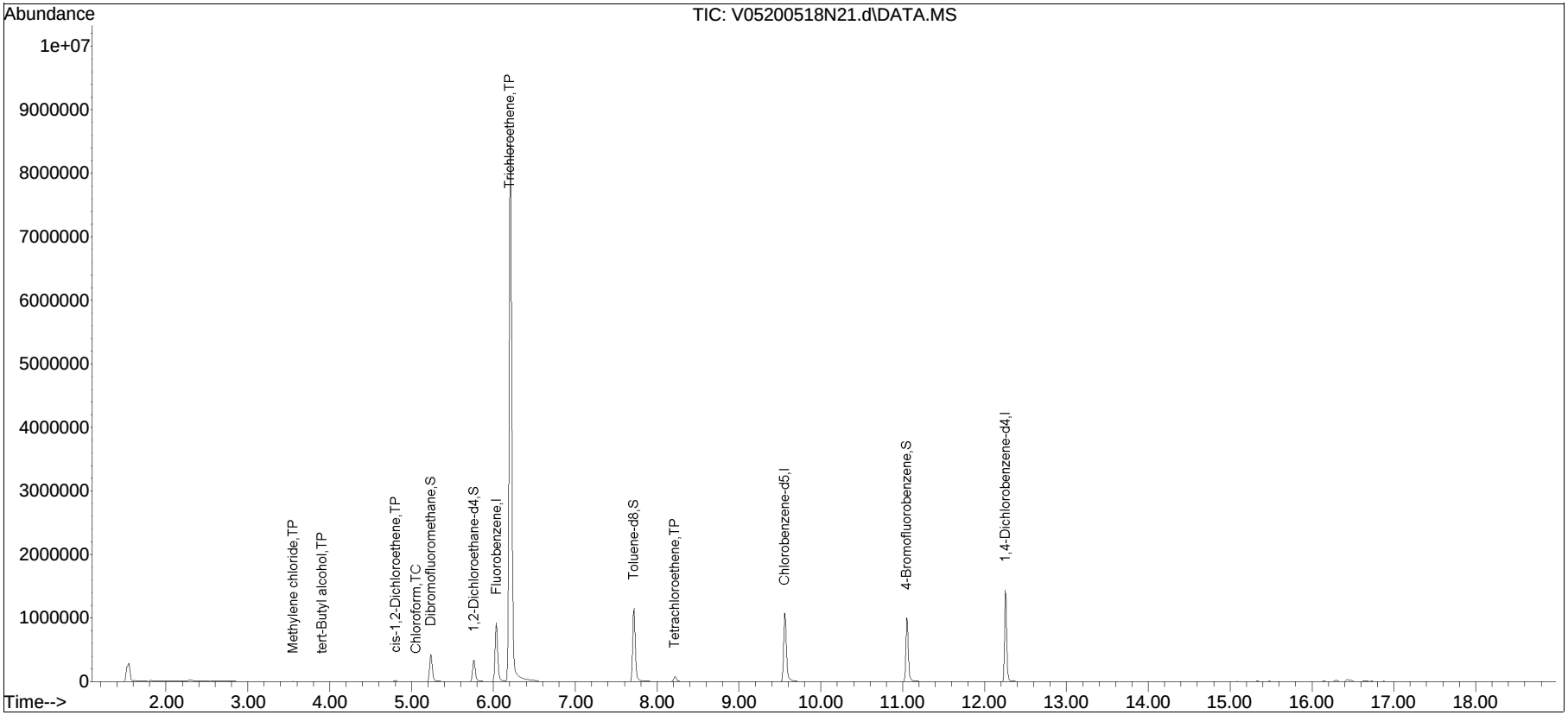
(#) = qualifier out of range (m) = manual integration (+) = signals summed

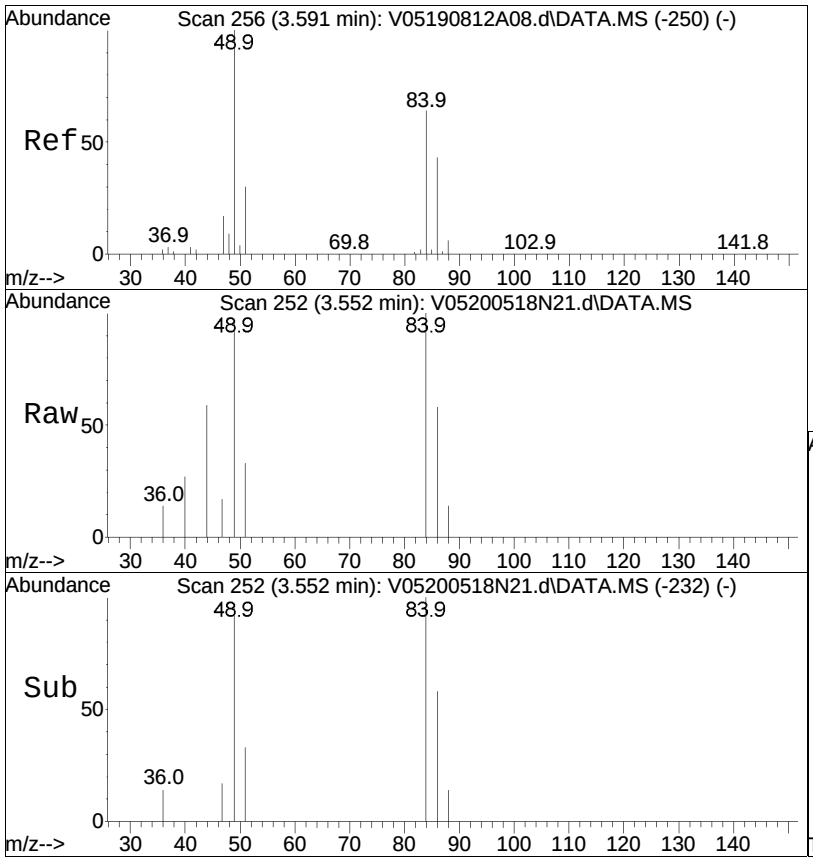
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2020\200518N\
Data File : V05200518N21.d
Acq On : 19 May 2020 1:50 am
Operator : VOA105:NLK
Sample : l2020006-04D,31,0.250,10,,a
Misc : WG1372229,ICAL16595
ALS Vial : 21 Sample Multiplier: 1

Quant Time: May 19 09:51:34 2020
Quant Method : I:\VOLATILES\VOA105\2020\200518N\V105_200313N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Mar 15 01:23:14 2020
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox00518N\V05200518N01.d•

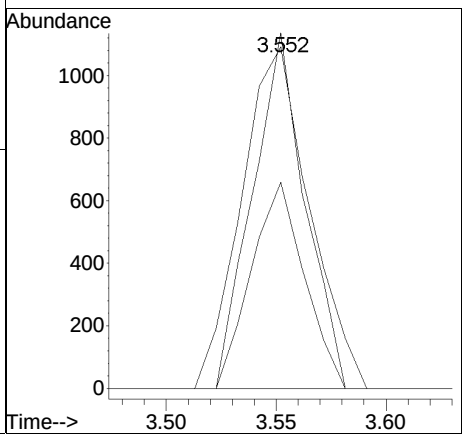


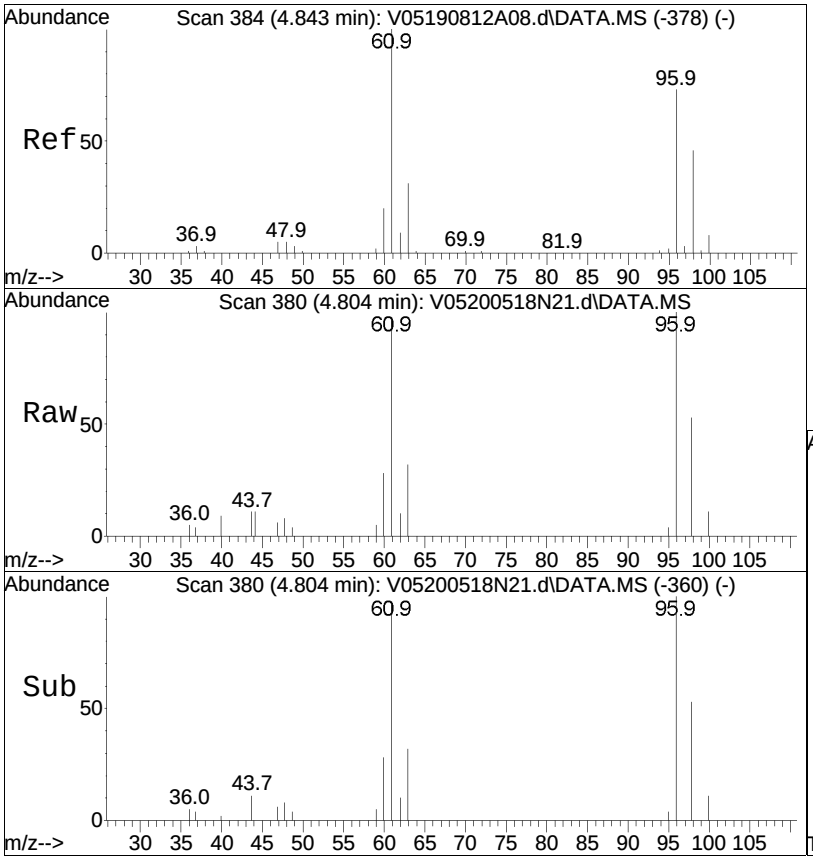


#15
Methylene chloride
Concen: 0.09 ug/L
RT: 3.552 min Scan# 252
Delta R.T. 0.000 min
Lab File: V05200518N21.d
Acq: 19 May 2020 1:50 am

Tgt Ion: 84 Resp: 1890

Ion	Ratio	Lower	Upper
84	100		
86	58.6	42.1	87.5
49	124.3	69.3	143.9

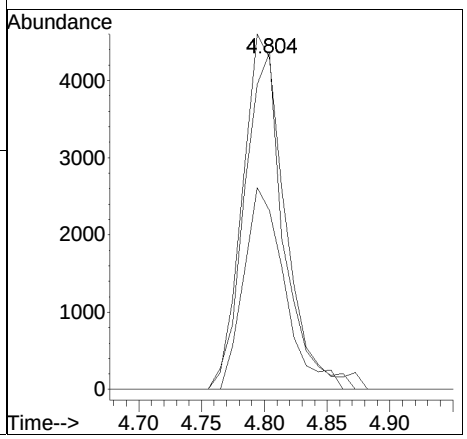


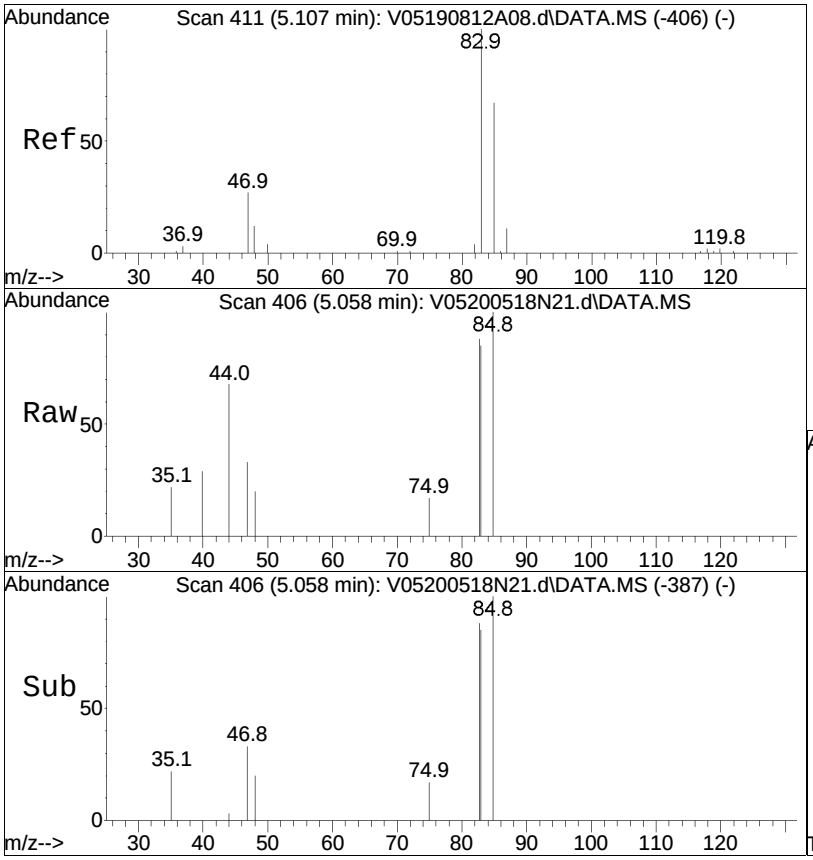


#28
cis-1,2-Dichloroethene
Concen: 0.42 ug/L
RT: 4.804 min Scan# 380
Delta R.T. 0.000 min
Lab File: V05200518N21.d
Acq: 19 May 2020 1:50 am

Tgt Ion: 96 Resp: 9577

Ion	Ratio	Lower	Upper
96	100		
61	113.6	100.5	150.7
98	61.9	49.8	74.8

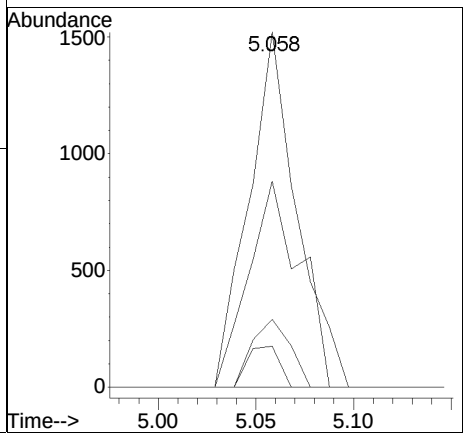


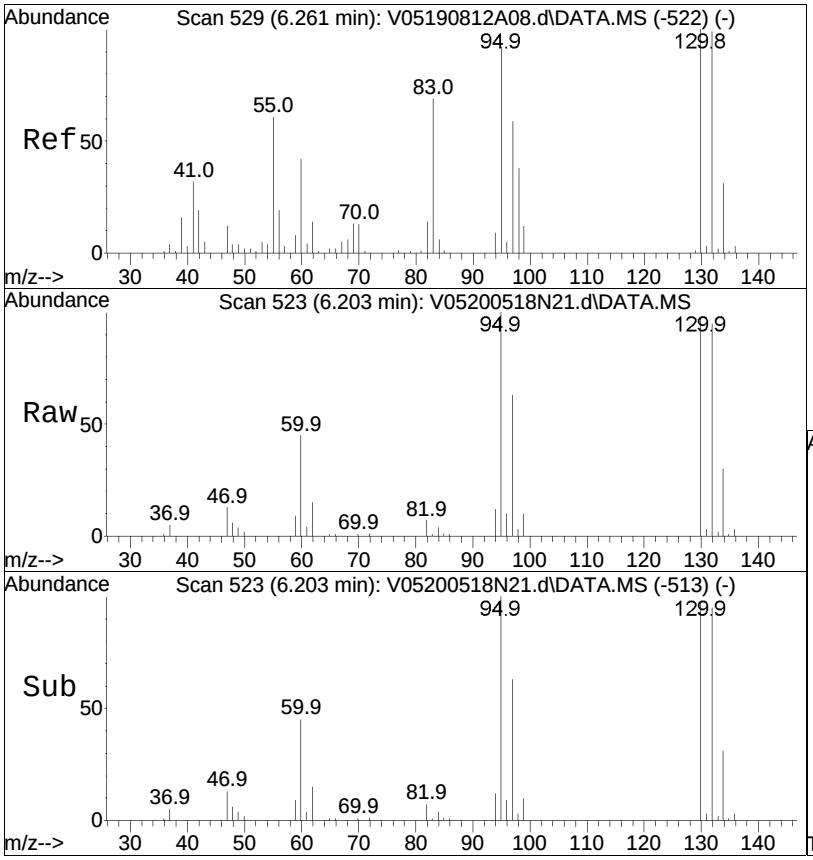


#32
Chloroform
Concen: 0.07 ug/L
RT: 5.058 min Scan# 406
Delta R.T. -0.010 min
Lab File: V05200518N21.d
Acq: 19 May 2020 1:50 am

Tgt Ion: 83 Resp: 2621

Ion	Ratio	Lower	Upper
83	100		
85	61.9	42.8	89.0
47	15.1	13.7	28.4
48	7.7	6.9	14.3

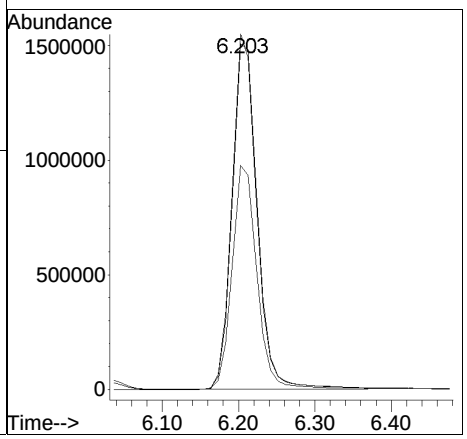


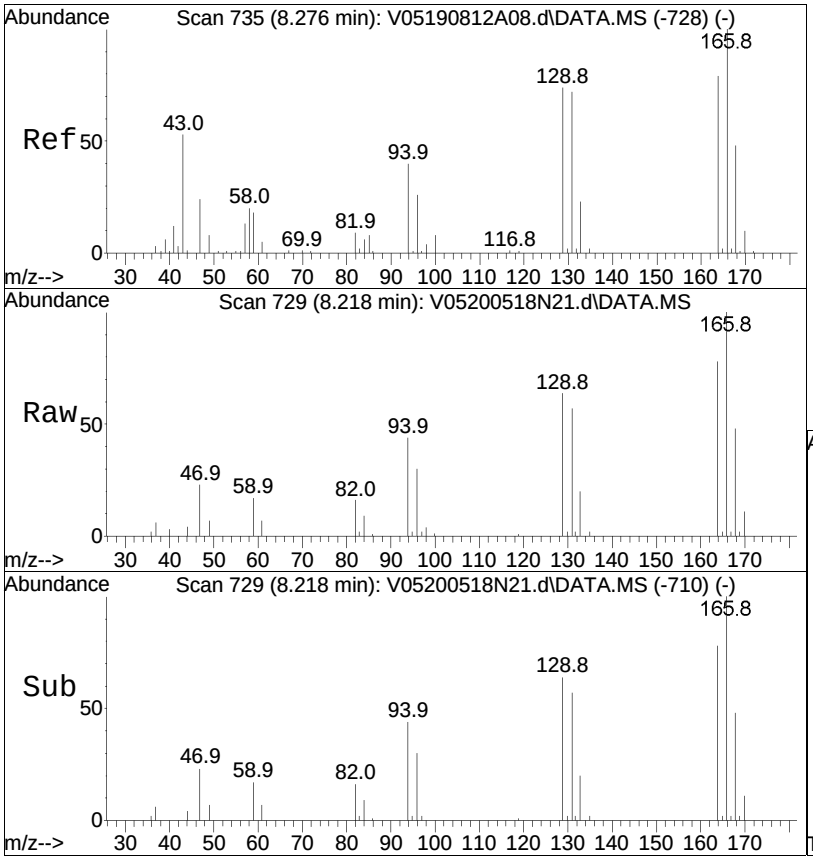


#48
Trichloroethene
Concen: 144.79 ug/L
RT: 6.203 min Scan# 523
Delta R.T. -0.019 min
Lab File: V05200518N21.d
Acq: 19 May 2020 1:50 am

Tgt Ion: 95 Resp: 3486825

Ion	Ratio	Lower	Upper
95	100		
97	63.7	56.1	84.1
130	100.0	77.7	116.5

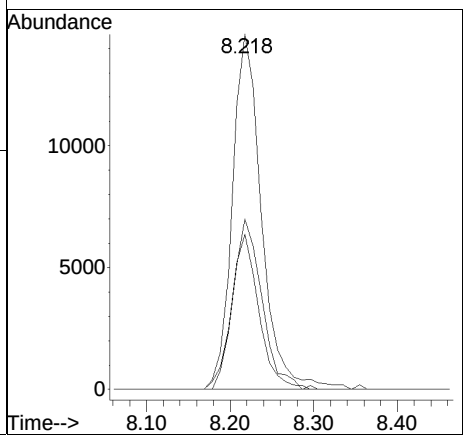




#63
Tetrachloroethene
Concen: 1.25 ug/L
RT: 8.218 min Scan# 729
Delta R.T. -0.009 min
Lab File: V05200518N21.d
Acq: 19 May 2020 1:50 am

Tgt Ion:166 Resp: 35565

Ion	Ratio	Lower	Upper
166	100		
168	47.3	30.2	70.2
94	41.1	32.5	72.5



Manual Integration Report

Data Path	: I:\VOLATILES\VOA105\2020\2	QMethod	: V105_200313N_8260.m
Data File	: V05200518N21.d	Operator	: VOA105:NLK
Date Inj'd	: 5/19/2020 1:50 am	Instrument	: VOA 105
Sample	: l2020006-04D,31,0.250,10,,	Quant Date	: 5/19/2020 9:16 am

There are no manual integrations or false positives in this file.

LSC Area Percent Report

Data Path : I:\VOLATILES\VOA105\2020\200518N\
Data File : V05200518N21.d
Acq On : 19 May 2020 1:50 am
Operator : VOA105:NLK
Sample : l2020006-04D,31,0.250,10,,a
Misc : WG1372229,ICAL16595
ALS Vial : 21 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : I:\VOLATILES\VOA105\2020\200518N\V105_200313N_8260.m
Title : VOLATILES BY GC/MS

Signal : TIC: V05200518N21.d\DATA.MS

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.234	415	424	451	rBV	433819	1013692	5.07%	2.999%
2	5.763	470	478	498	rBV	343907	820994	4.11%	2.429%
3	6.036	498	506	517	rVV	927300	2083088	10.42%	6.164%
4	6.203	517	523	563	rVB	8609097	19986517	100.00%	59.137%
5	7.719	670	678	709	rBV	1158349	2658628	13.30%	7.866%
6	9.559	855	864	897	rBV	1078788	2542656	12.72%	7.523%
7	11.048	1009	1016	1040	rBV	1004964	2082829	10.42%	6.163%
8	12.253	1133	1139	1161	rBV	1437473	2608578	13.05%	7.718%

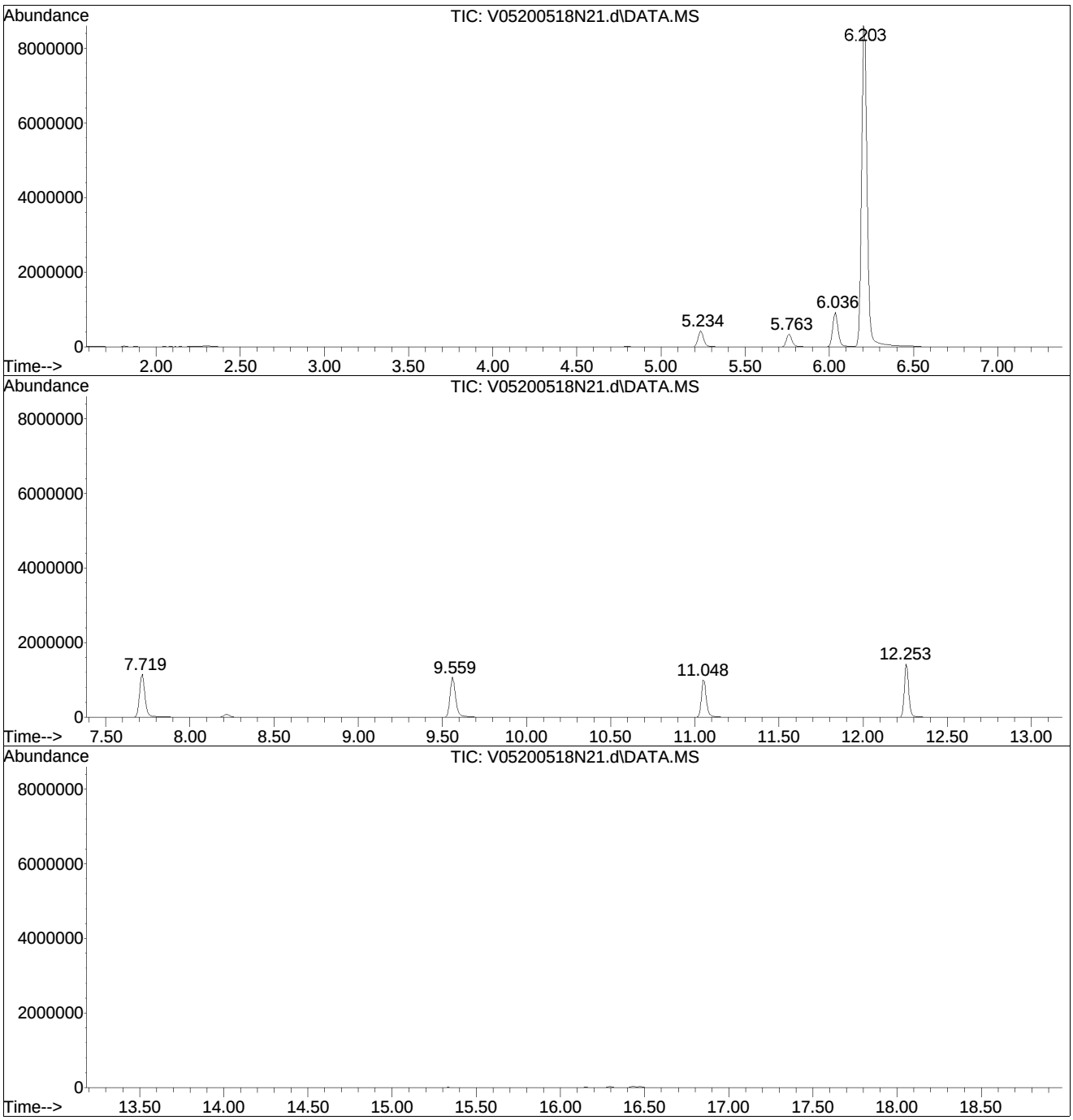
Sum of corrected areas: 33796982

LSC Report - Integrated Chromatogram

Data Path : I:\VOLATILES\VOA105\2020\200518N\
Data File : V05200518N21.d
Acq On : 19 May 2020 1:50 am
Operator : VOA105:NLK
Sample : l2020006-04D,31,0.250,10,,a
Misc : WG1372229,ICAL16595
ALS Vial : 21 Sample Multiplier: 1

Quant Method : I:\VOLATILES\VOA105\2020\200518N\V105_200313N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p



Library Search Compound Report

Data Path : I:\VOLATILES\VOA105\2020\200518N\
Data File : V05200518N21.d
Acq On : 19 May 2020 1:50 am
Operator : VOA105:NLK
Sample : l2020006-04D,31,0.250,10,,a
Misc : WG1372229,ICAL16595
ALS Vial : 21 Sample Multiplier: 1

Quant Method : I:\VOLATILES\VOA105\2020\200518N\V105_200313N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : I:\VOLATILES\VOA105\2020\200518N\
Data File : V05200518N21.d
Acq On : 19 May 2020 1:50 am
Operator : VOA105:NLK
Sample : l2020006-04D,31,0.250,10,,a
Misc : WG1372229,ICAL16595
ALS Vial : 21 Sample Multiplier: 1

Quant Method : I:\VOLATILES\VOA105\2020\200518N\V105_200313N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

						Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2020\200518N\
Data File : V05200518N22.d
Acq On : 19 May 2020 2:14 am
Operator : VOA105:NLK
Sample : l2020006-05D,31,0.100,10,,a
Misc : WG1372229,ICAL16595
ALS Vial : 22 Sample Multiplier: 1

Quant Time: May 19 09:52:08 2020
Quant Method : I:\VOLATILES\VOA105\2020\200518N\V105_200313N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Mar 15 01:23:14 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2020\200518N\V05200518N01.d
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	6.036	96	1036660	10.000 ug/L	0.00
Standard Area 1 = 1103307			Recovery =	93.96%	
59) Chlorobenzene-d5	9.559	117	791251	10.000 ug/L	-0.01
Standard Area 1 = 869831			Recovery =	90.97%	
79) 1,4-Dichlorobenzene-d4	12.253	152	441763	10.000 ug/L	-0.01
Standard Area 1 = 540562			Recovery =	81.72%	
System Monitoring Compounds					
36) Dibromofluoromethane	5.234	113	290365	10.463 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	104.63%	
43) 1,2-Dichloroethane-d4	5.762	65	318539	10.710 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	107.10%	
60) Toluene-d8	7.719	98	1088906	10.877 ug/L	-0.01
Spiked Amount 10.000	Range 70 - 130		Recovery =	108.77%	
83) 4-Bromofluorobenzene	11.048	95	370051	8.902 ug/L	-0.01
Spiked Amount 10.000	Range 70 - 130		Recovery =	89.02%	
Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.	
3) Chloromethane	1.860	50	101	N.D.	
4) Vinyl chloride	0.000		0	N.D.	
5) Bromomethane	2.251	94	534	N.D.	
6) Chloroethane	2.408	64	232	N.D.	
7) Trichlorofluoromethane	0.000		0	N.D.	
10) 1,1-Dichloroethene	2.995	96	744	N.D.	
11) Carbon disulfide	3.014	76	1869	N.D.	
12) Freon-113	0.000		0	N.D.	
15) Methylene chloride	3.552	84	1694	0.078 ug/L	87
17) Acetone	3.611	43	2313	Below Cal	90
18) trans-1,2-Dichloroethene	3.699	96	1329	N.D.	
19) Methyl acetate	3.709	43	257	N.D.	
20) Methyl tert-butyl ether	0.000		0	N.D.	
23) 1,1-Dichloroethane	0.000		0	N.D.	
28) cis-1,2-Dichloroethene	4.794	96	7428	0.308 ug/L	85
30) Bromochloromethane	0.000		0	N.D.	
31) Cyclohexane	0.000		0	N.D.	
32) Chloroform	5.048	83	1622	N.D.	
34) Carbon tetrachloride	0.000		0	N.D.	

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2020\200518N\
Data File : V05200518N22.d
Acq On : 19 May 2020 2:14 am
Operator : VOA105:NLK
Sample : l2020006-05D,31,0.100,10,,a
Misc : WG1372229,ICAL16595
ALS Vial : 22 Sample Multiplier: 1

Quant Time: May 19 09:52:08 2020
Quant Method : I:\VOLATILES\VOA105\2020\200518N\V105_200313N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Mar 15 01:23:14 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2020\200518N\V05200518N01.d
Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37)	1,1,1-Trichloroethane	0.000		0	N.D.		
39)	2-Butanone	5.371	43	216	N.D.		
41)	Benzene	5.635	78	201	N.D.		
44)	1,2-Dichloroethane	5.841	62	573	N.D.		
47)	Methyl cyclohexane	0.000		0	N.D.	d	
48)	Trichloroethene	6.203	95	3550064	138.448	ug/L	95
51)	1,2-Dichloropropane	0.000		0	N.D.		
54)	Bromodichloromethane	0.000		0	N.D.		
57)	1,4-Dioxane	0.000		0	N.D.		
58)	cis-1,3-Dichloropropene	0.000		0	N.D.		
61)	Toluene	7.777	92	109	N.D.		
62)	4-Methyl-2-pentanone	0.000		0	N.D.		
63)	Tetrachloroethene	8.217	166	21963	0.810	ug/L	95
65)	trans-1,3-Dichloropropene	0.000		0	N.D.		
68)	1,1,2-Trichloroethane	0.000		0	N.D.		
69)	Chlorodibromomethane	0.000		0	N.D.		
71)	1,2-Dibromoethane	0.000		0	N.D.		
72)	2-Hexanone	0.000		0	N.D.		
73)	Chlorobenzene	9.569	112	208	N.D.		
74)	Ethylbenzene	9.559	91	1790	N.D.		
76)	p/m Xylene	0.000		0	N.D.		
77)	o Xylene	0.000		0	N.D.		
78)	Styrene	0.000		0	N.D.		
80)	Bromoform	0.000		0	N.D.		
82)	Isopropylbenzene	0.000		0	N.D.		
87)	1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
100)	1,3-Dichlorobenzene	12.262	146	149	N.D.		
101)	1,4-Dichlorobenzene	12.262	146	149	N.D.		
104)	1,2-Dichlorobenzene	0.000		0	N.D.		
106)	1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
109)	1,2,4-Trichlorobenzene	0.000		0	N.D.		
111)	1,2,3-Trichlorobenzene	0.000		0	N.D.		

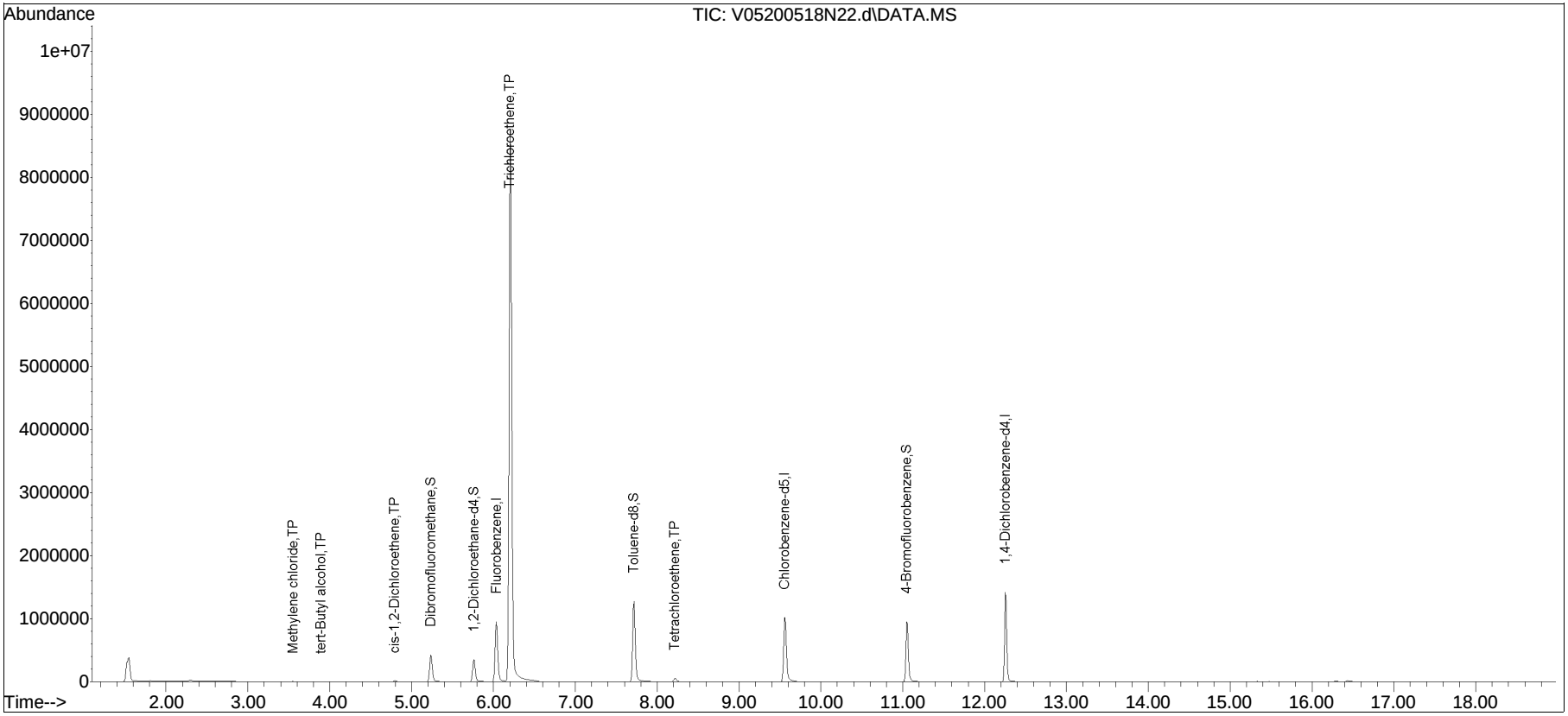
(#) = qualifier out of range (m) = manual integration (+) = signals summed

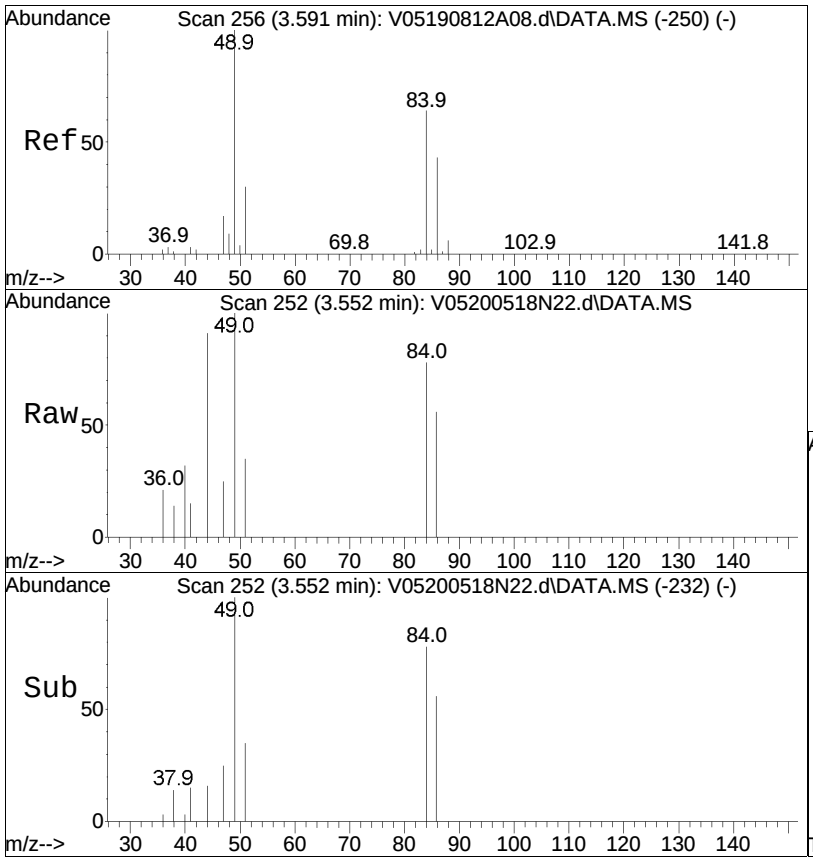
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2020\200518N\
Data File : V05200518N22.d
Acq On : 19 May 2020 2:14 am
Operator : VOA105:NLK
Sample : l2020006-05D,31,0.100,10,,a
Misc : WG1372229,ICAL16595
ALS Vial : 22 Sample Multiplier: 1

Quant Time: May 19 09:52:08 2020
Quant Method : I:\VOLATILES\VOA105\2020\200518N\V105_200313N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Mar 15 01:23:14 2020
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox00518N\V05200518N01.d•

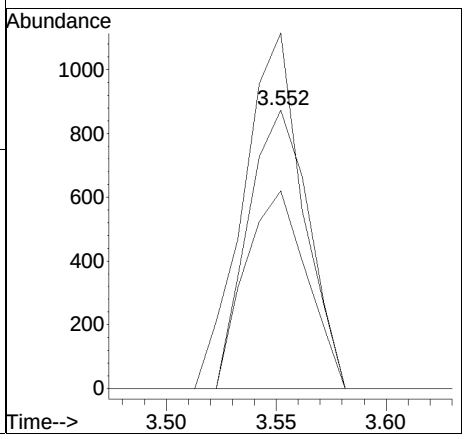


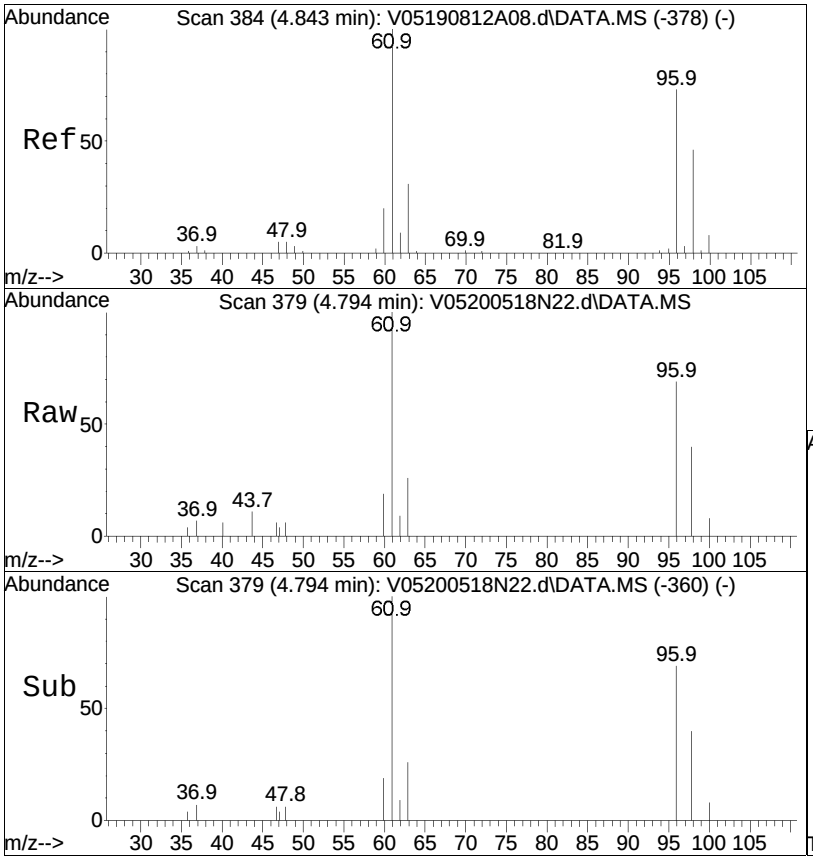


#15
Methylene chloride
Concen: 0.08 ug/L
RT: 3.552 min Scan# 252
Delta R.T. 0.000 min
Lab File: V05200518N22.d
Acq: 19 May 2020 2:14 am

Tgt Ion: 84 Resp: 1694

Ion	Ratio	Lower	Upper
84	100		
86	71.2	42.1	87.5
49	123.7	69.3	143.9

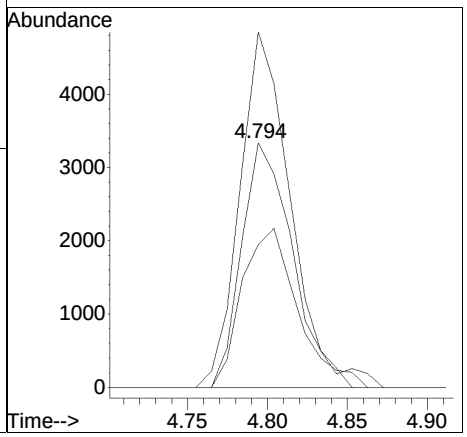


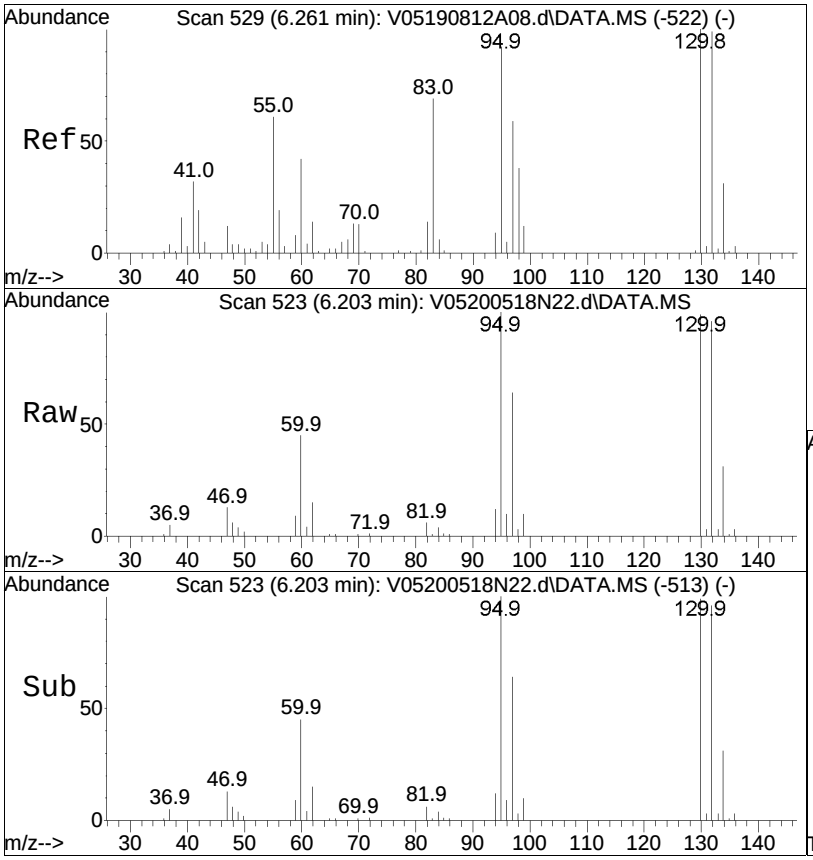


#28
cis-1,2-Dichloroethene
Concen: 0.31 ug/L
RT: 4.794 min Scan# 379
Delta R.T. -0.010 min
Lab File: V05200518N22.d
Acq: 19 May 2020 2:14 am

Tgt Ion: 96 Resp: 7428

Ion	Ratio	Lower	Upper
96	100		
61	144.7	100.5	150.7
98	71.1	49.8	74.8

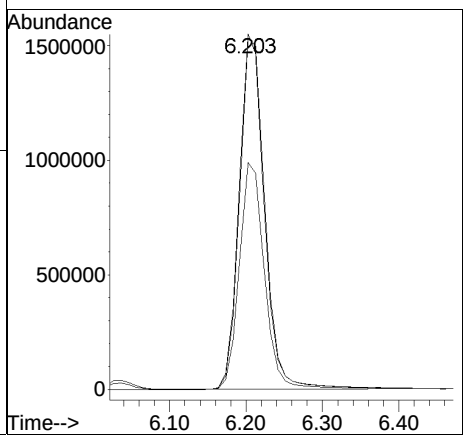


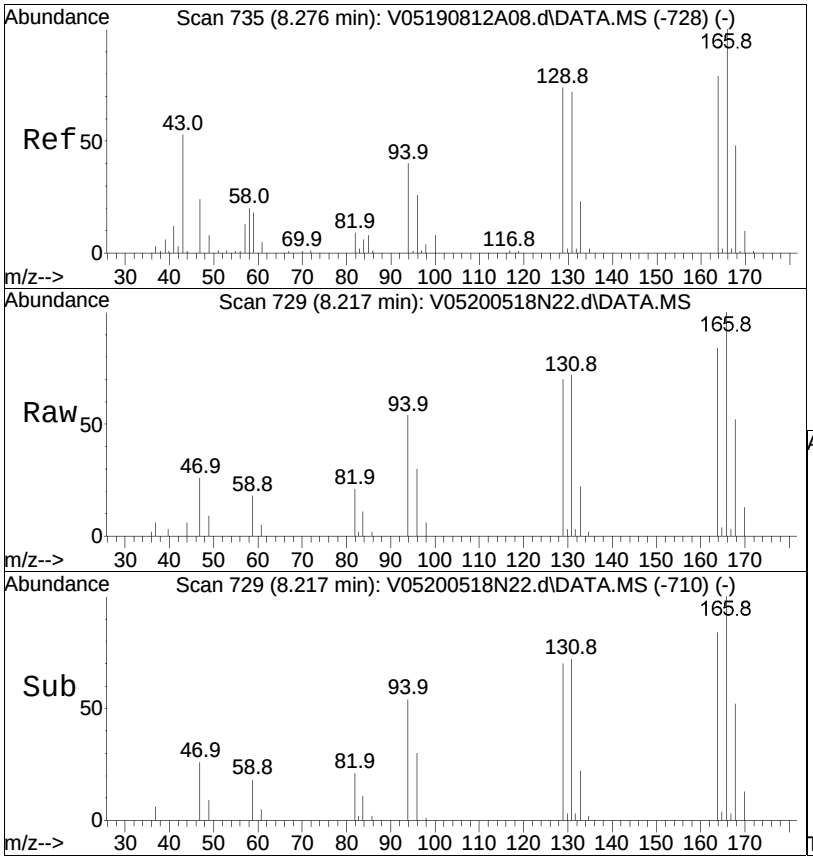


#48
Trichloroethene
Concen: 138.45 ug/L
RT: 6.203 min Scan# 523
Delta R.T. -0.019 min
Lab File: V05200518N22.d
Acq: 19 May 2020 2:14 am

Tgt Ion: 95 Resp: 3550064

Ion	Ratio	Lower	Upper
95	100		
97	64.0	56.1	84.1
130	100.5	77.7	116.5

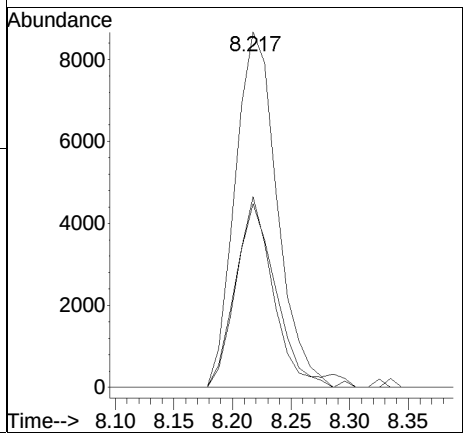




#63
Tetrachloroethene
Concen: 0.81 ug/L
RT: 8.217 min Scan# 729
Delta R.T. -0.010 min
Lab File: V05200518N22.d
Acq: 19 May 2020 2:14 am

Tgt Ion:166 Resp: 21963

Ion	Ratio	Lower	Upper
166	100		
168	48.5	30.2	70.2
94	47.5	32.5	72.5



Manual Integration Report

Data Path	: I:\VOLATILES\VOA105\2020\2Q	Method	: V105_200313N_8260.m
Data File	: V05200518N22.d	Operator	: VOA105:NLK
Date Inj'd	: 5/19/2020 2:14 am	Instrument	: VOA 105
Sample	: l2020006-05D,31,0.100,10,,	Quant Date	: 5/19/2020 9:16 am

There are no manual integrations or false positives in this file.

LSC Area Percent Report

Data Path : I:\VOLATILES\VOA105\2020\200518N\
Data File : V05200518N22.d
Acq On : 19 May 2020 2:14 am
Operator : VOA105:NLK
Sample : l2020006-05D,31,0.100,10,,a
Misc : WG1372229,ICAL16595
ALS Vial : 22 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : I:\VOLATILES\VOA105\2020\200518N\V105_200313N_8260.m
Title : VOLATILES BY GC/MS

Signal : TIC: V05200518N22.d\DATA.MS

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.234	414	424	441	rBV	428988	1003132	4.92%	2.922%
2	5.762	471	478	500	rBV	348377	830336	4.07%	2.419%
3	6.036	500	506	517	rVV	949221	2210241	10.84%	6.439%
4	6.203	517	523	567	rVB	8677461	20394967	100.00%	59.416%
5	7.719	670	678	716	rBV	1273693	2948681	14.46%	8.590%
6	9.559	858	864	881	rBV	1021789	2398207	11.76%	6.987%
7	11.048	1010	1016	1042	rBV	950781	1982490	9.72%	5.776%
8	12.253	1133	1139	1166	rBV	1417921	2557731	12.54%	7.451%

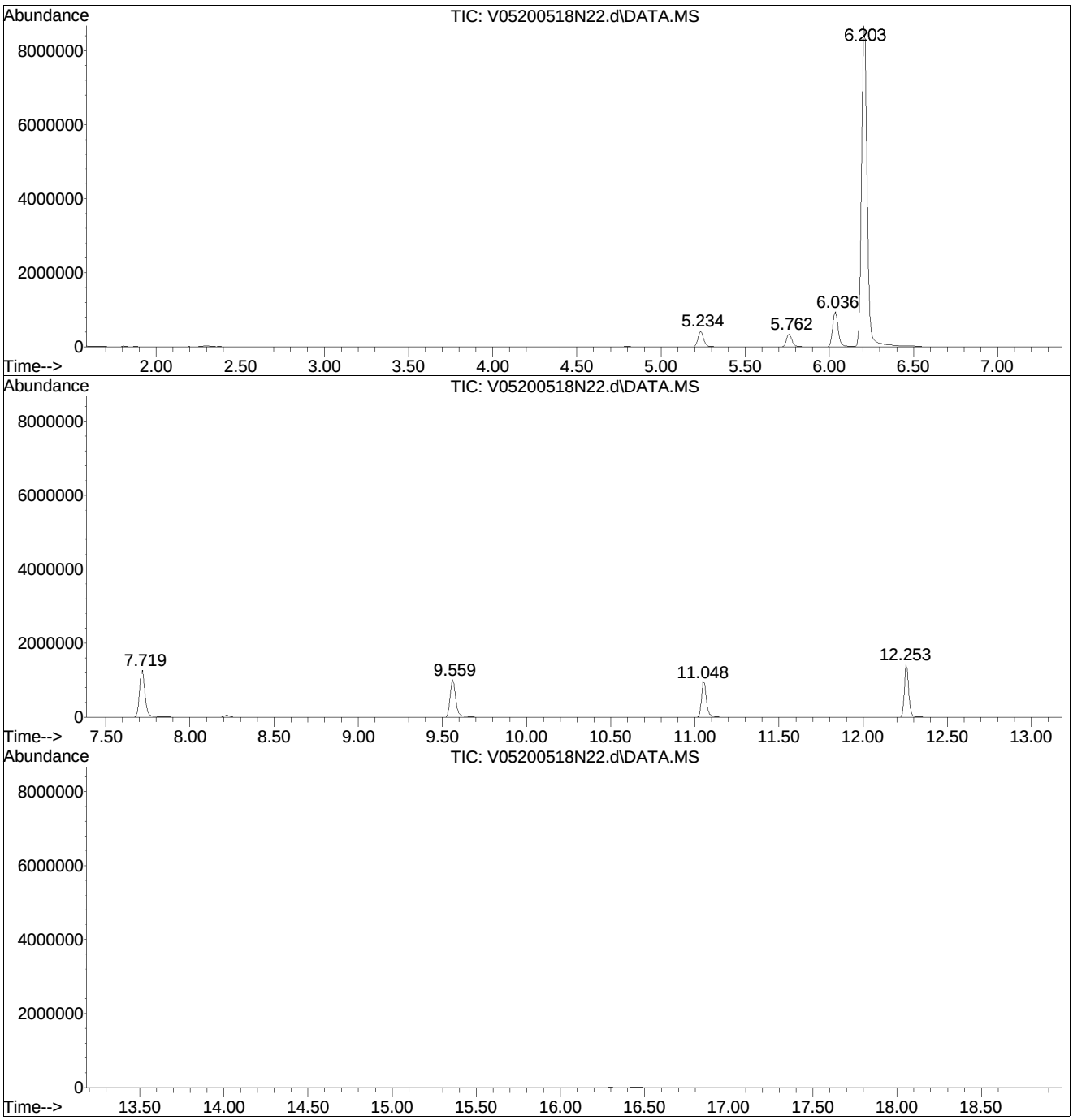
Sum of corrected areas: 34325785

LSC Report - Integrated Chromatogram

Data Path : I:\VOLATILES\VOA105\2020\200518N\
Data File : V05200518N22.d
Acq On : 19 May 2020 2:14 am
Operator : VOA105:NLK
Sample : l2020006-05D,31,0.100,10,,a
Misc : WG1372229,ICAL16595
ALS Vial : 22 Sample Multiplier: 1

Quant Method : I:\VOLATILES\VOA105\2020\200518N\V105_200313N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p



Library Search Compound Report

Data Path : I:\VOLATILES\VOA105\2020\200518N\
Data File : V05200518N22.d
Acq On : 19 May 2020 2:14 am
Operator : VOA105:NLK
Sample : l2020006-05D,31,0.100,10,,a
Misc : WG1372229,ICAL16595
ALS Vial : 22 Sample Multiplier: 1

Quant Method : I:\VOLATILES\VOA105\2020\200518N\V105_200313N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : I:\VOLATILES\VOA105\2020\200518N\
Data File : V05200518N22.d
Acq On : 19 May 2020 2:14 am
Operator : VOA105:NLK
Sample : l2020006-05D,31,0.100,10,,a
Misc : WG1372229,ICAL16595
ALS Vial : 22 Sample Multiplier: 1

Quant Method : I:\VOLATILES\VOA105\2020\200518N\V105_200313N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Quantitation Report (QT/LSC Reviewed)

Data Path : I:\VOLATILES\VOA105\2020\200518N\
Data File : V05200518N23.d
Acq On : 19 May 2020 2:37 am
Operator : VOA105:NLK
Sample : l2020006-06D,31,5,10,,a
Misc : WG1372229,ICAL16595
ALS Vial : 23 Sample Multiplier: 1

Quant Time: May 19 09:52:56 2020
Quant Method : I:\VOLATILES\VOA105\2020\200518N\V105_200313N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Mar 15 01:23:14 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2020\200518N\V05200518N01.d
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.037	96	981689	10.000	ug/L	0.00
Standard Area 1 = 1103307			Recovery = 88.98%			
59) Chlorobenzene-d5	9.559	117	848637	10.000	ug/L	-0.01
Standard Area 1 = 869831			Recovery = 97.56%			
79) 1,4-Dichlorobenzene-d4	12.253	152	451918	10.000	ug/L	-0.01
Standard Area 1 = 540562			Recovery = 83.60%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.234	113	292954	11.148	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 111.48%			
43) 1,2-Dichloroethane-d4	5.763	65	315986	11.219	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 112.19%			
60) Toluene-d8	7.719	98	959049	8.932	ug/L	-0.01
Spiked Amount 10.000	Range 70 - 130		Recovery = 89.32%			
83) 4-Bromofluorobenzene	11.048	95	381919	8.981	ug/L	-0.01
Spiked Amount 10.000	Range 70 - 130		Recovery = 89.81%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	0.000		0	N.D. d		
4) Vinyl chloride	1.938	62	153399	6.092	ug/L	100
5) Bromomethane	2.251	94	935	N.D.		
6) Chloroethane	2.281	64	865	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
10) 1,1-Dichloroethene	2.985	96	3138	0.167	ug/L	97
11) Carbon disulfide	3.014	76	4278	0.083	ug/L	99
12) Freon-113	0.000		0	N.D.		
15) Methylene chloride	3.542	84	2821	0.136	ug/L	89
17) Acetone	3.601	43	61719	21.976	ug/L	98
18) trans-1,2-Dichloroethene	3.699	96	74396	3.523	ug/L	96
19) Methyl acetate	0.000		0	N.D. d		
20) Methyl tert-butyl ether	0.000		0	N.D.		
23) 1,1-Dichloroethane	0.000		0	N.D.		
28) cis-1,2-Dichloroethene	4.794	96	465830	20.386	ug/L	98
30) Bromochloromethane	0.000		0	N.D.		
31) Cyclohexane	4.970	56	900	N.D.		
32) Chloroform	5.058	83	38651	1.027	ug/L	97
34) Carbon tetrachloride	5.058	117	256	N.D.		

Quantitation Report (QT/LSC Reviewed)

Data Path : I:\VOLATILES\VOA105\2020\200518N\
Data File : V05200518N23.d
Acq On : 19 May 2020 2:37 am
Operator : VOA105:NLK
Sample : l2020006-06D,31,5,10,,a
Misc : WG1372229,ICAL16595
ALS Vial : 23 Sample Multiplier: 1

Quant Time: May 19 09:52:56 2020
Quant Method : I:\VOLATILES\VOA105\2020\200518N\V105_200313N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Mar 15 01:23:14 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2020\200518N\V05200518N01.d
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1,1,1-Trichloroethane	0.000		0	N.D.		
39) 2-Butanone	5.362	43	19229	4.476	ug/L #	58
41) Benzene	5.616	78	3308	N.D.		
44) 1,2-Dichloroethane	5.821	62	1066	N.D.		
47) Methyl cyclohexane	0.000		0	N.D. d		
48) Trichloroethene	6.203	95	3567451	146.916	ug/L	95
51) 1,2-Dichloropropane	0.000		0	N.D.		
54) Bromodichloromethane	0.000		0	N.D.		
57) 1,4-Dioxane	0.000		0	N.D.		
58) cis-1,3-Dichloropropene	0.000		0	N.D.		
61) Toluene	7.777	92	3624	N.D.		
62) 4-Methyl-2-pentanone	0.000		0	N.D.		
63) Tetrachloroethene	8.218	166	2665131	91.664	ug/L	94
65) trans-1,3-Dichloropropene	0.000		0	N.D.		
68) 1,1,2-Trichloroethane	8.443	83	103	N.D.		
69) Chlorodibromomethane	8.668	129	151	N.D.		
71) 1,2-Dibromoethane	0.000		0	N.D.		
72) 2-Hexanone	9.275	43	95	N.D.		
73) Chlorobenzene	0.000		0	N.D.		
74) Ethylbenzene	9.618	91	2779	N.D.		
76) p/m Xylene	9.804	106	2117	N.D.		
77) o Xylene	10.343	106	2022	N.D.		
78) Styrene	0.000		0	N.D.		
80) Bromoform	0.000		0	N.D.		
82) Isopropylbenzene	10.725	105	11931	0.099	ug/L	100
87) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
100) 1,3-Dichlorobenzene	12.272	146	632	N.D.		
101) 1,4-Dichlorobenzene	12.272	146	632	N.D.		
104) 1,2-Dichlorobenzene	0.000		0	N.D.		
106) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
109) 1,2,4-Trichlorobenzene	14.104	180	461	N.D.		
111) 1,2,3-Trichlorobenzene	14.555	180	509	N.D.		

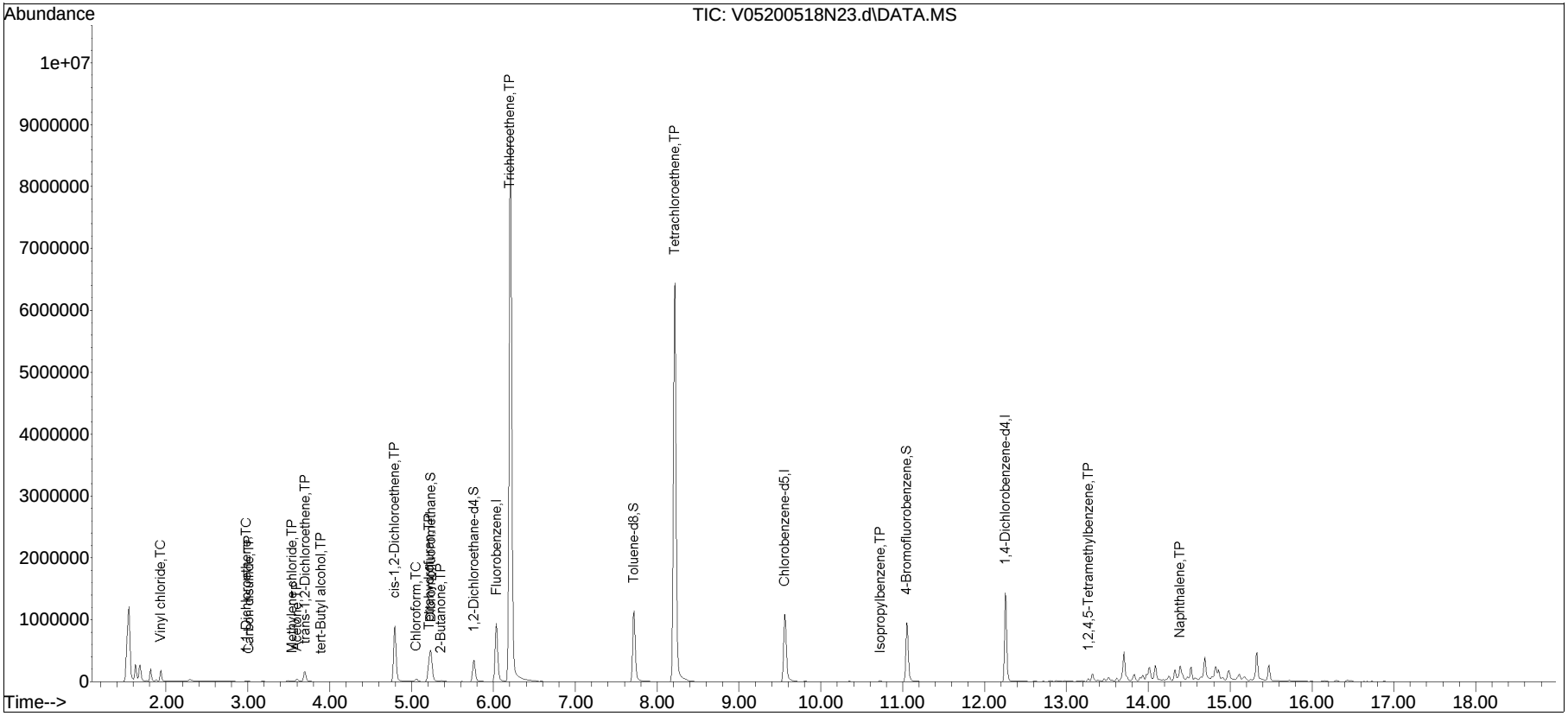
(#) = qualifier out of range (m) = manual integration (+) = signals summed

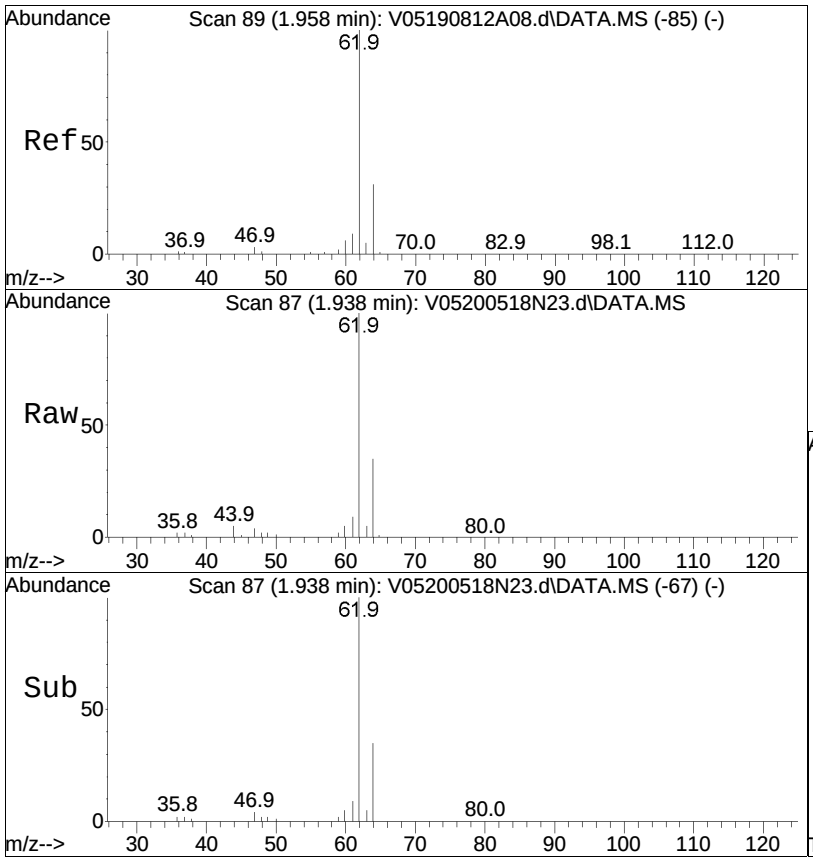
Quantitation Report (QT/LSC Reviewed)

Data Path : I:\VOLATILES\VOA105\2020\200518N\
Data File : V05200518N23.d
Acq On : 19 May 2020 2:37 am
Operator : VOA105:NLK
Sample : l2020006-06D,31,5,10,,a
Misc : WG1372229,ICAL16595
ALS Vial : 23 Sample Multiplier: 1

Quant Time: May 19 09:52:56 2020
Quant Method : I:\VOLATILES\VOA105\2020\200518N\V105_200313N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Mar 15 01:23:14 2020
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox00518N\V05200518N01.d•

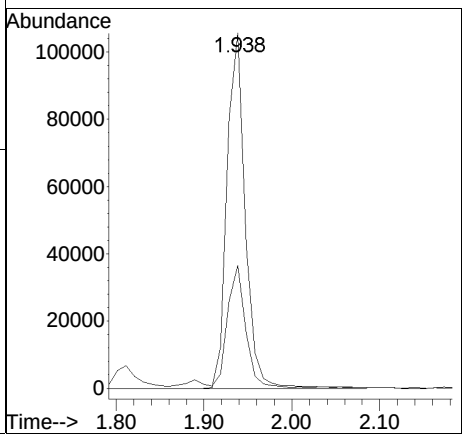


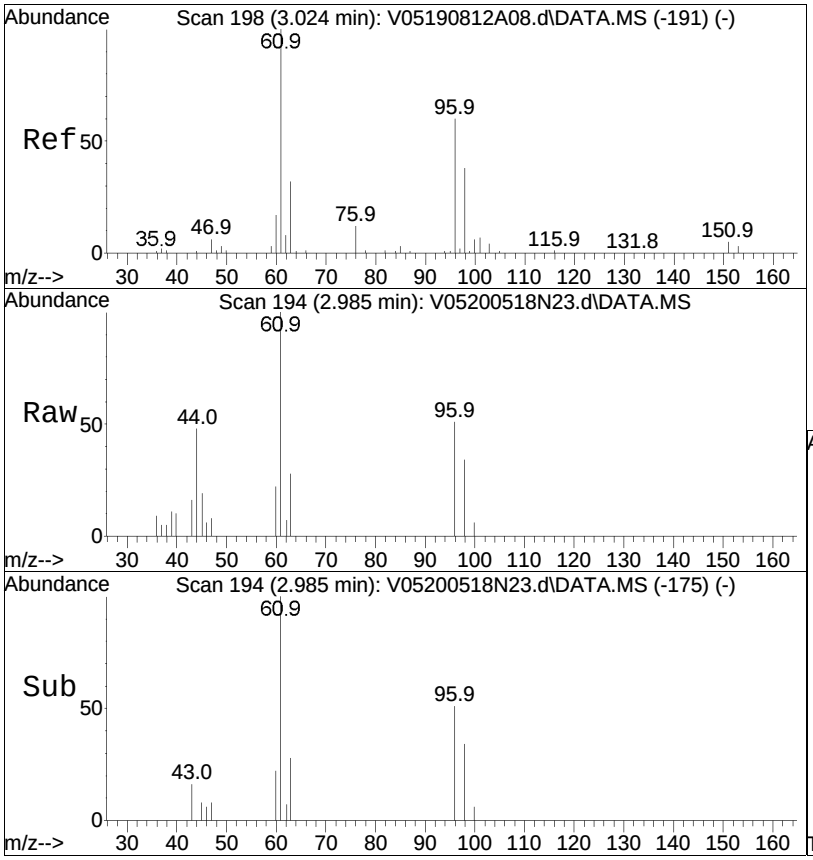


#4
Vinyl chloride
Concen: 6.09 ug/L
RT: 1.938 min Scan# 87
Delta R.T. 0.000 min
Lab File: V05200518N23.d
Acq: 19 May 2020 2:37 am

Tgt Ion: 62 Resp: 153399

Ion	Ratio	Lower	Upper
62	100		
64	33.5	13.5	53.5

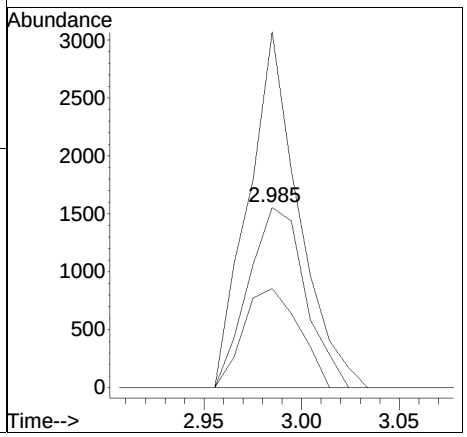


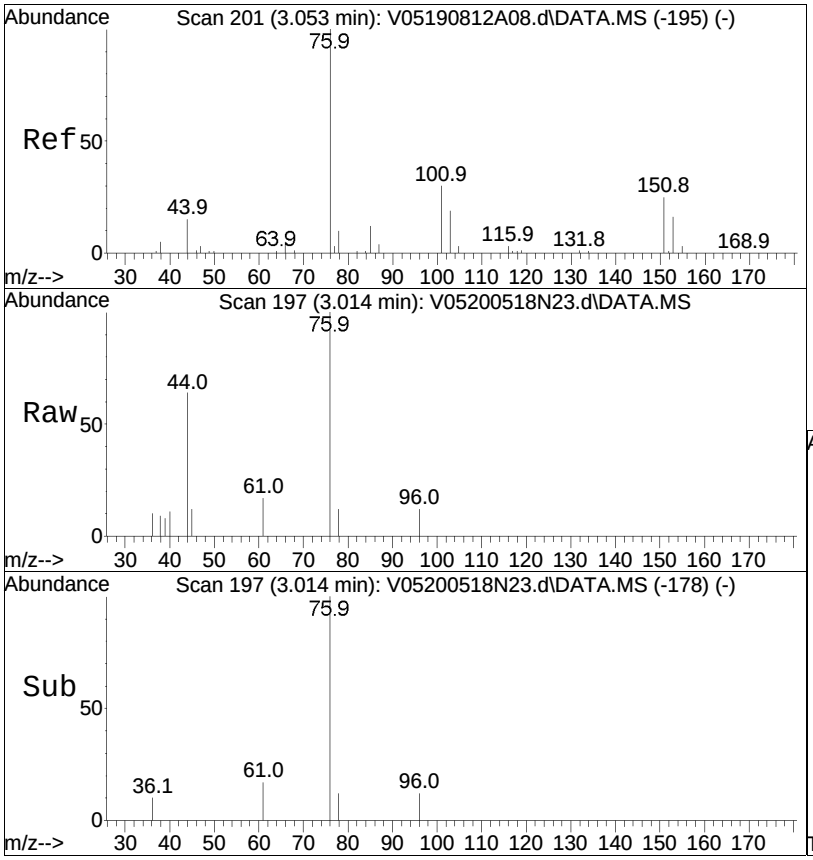


#10
1,1-Dichloroethene
Concen: 0.17 ug/L
RT: 2.985 min Scan# 194
Delta R.T. -0.010 min
Lab File: V05200518N23.d
Acq: 19 May 2020 2:37 am

Tgt Ion: 96 Resp: 3138

Ion	Ratio	Lower	Upper
96	100		
61	174.7	136.7	205.1
63	53.9	45.0	67.6

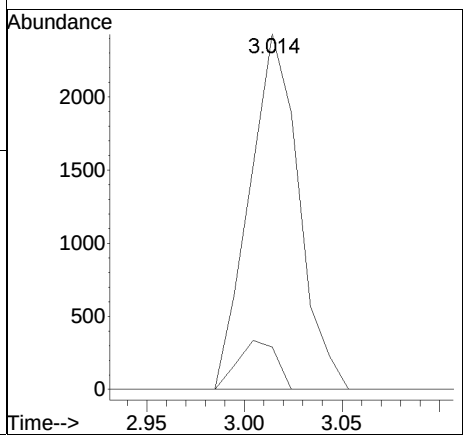


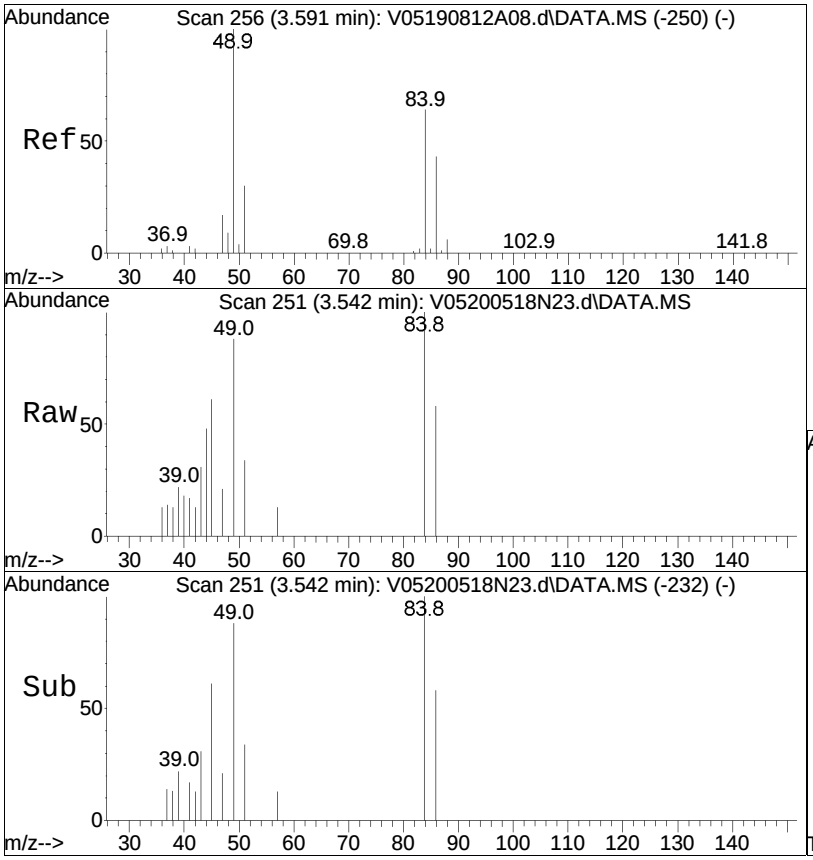


#11
Carbon disulfide
Concen: 0.08 ug/L
RT: 3.014 min Scan# 197
Delta R.T. -0.010 min
Lab File: V05200518N23.d
Acq: 19 May 2020 2:37 am

Tgt Ion: 76 Resp: 4278

Ion	Ratio	Lower	Upper
76	100		
78	10.8	6.7	13.9

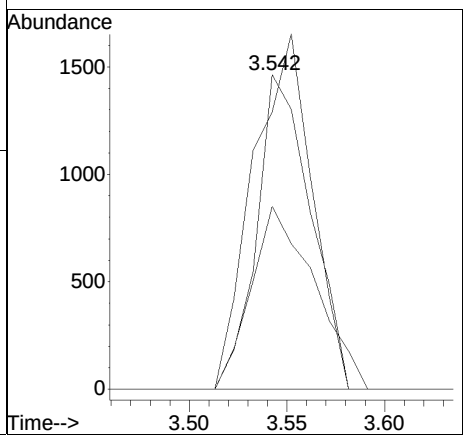


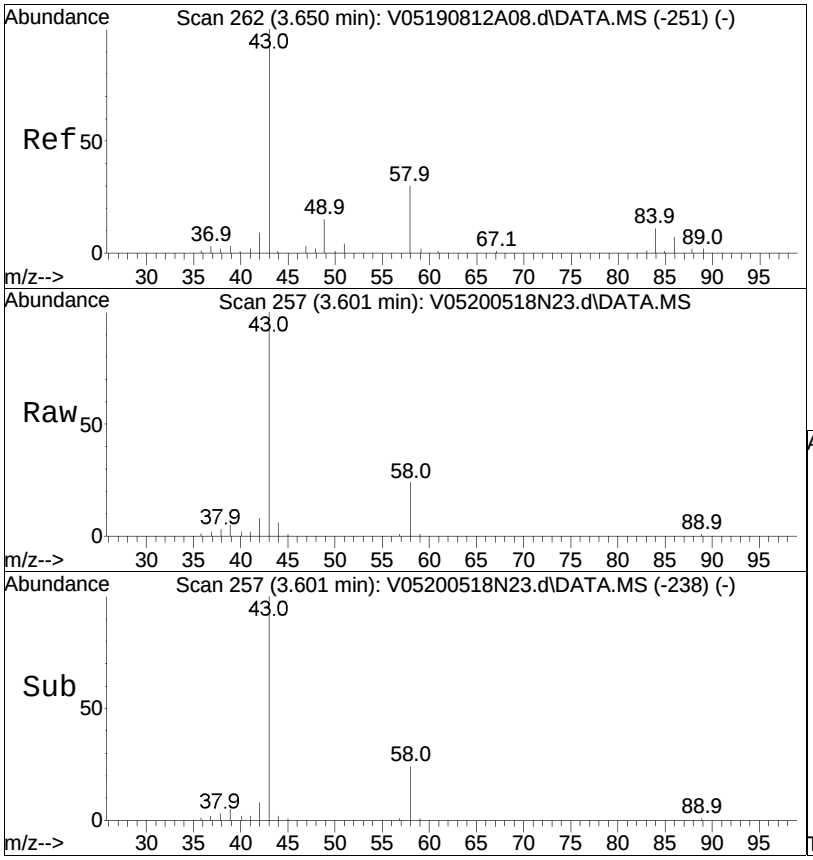


#15
Methylene chloride
Concen: 0.14 ug/L
RT: 3.542 min Scan# 251
Delta R.T. -0.010 min
Lab File: V05200518N23.d
Acq: 19 May 2020 2:37 am

Tgt Ion: 84 Resp: 2821

Ion	Ratio	Lower	Upper
84	100		
86	68.3	42.1	87.5
49	122.5	69.3	143.9

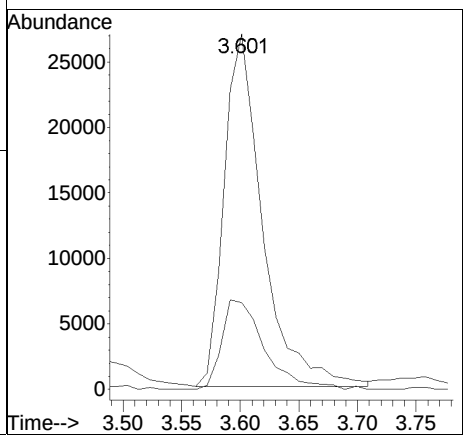


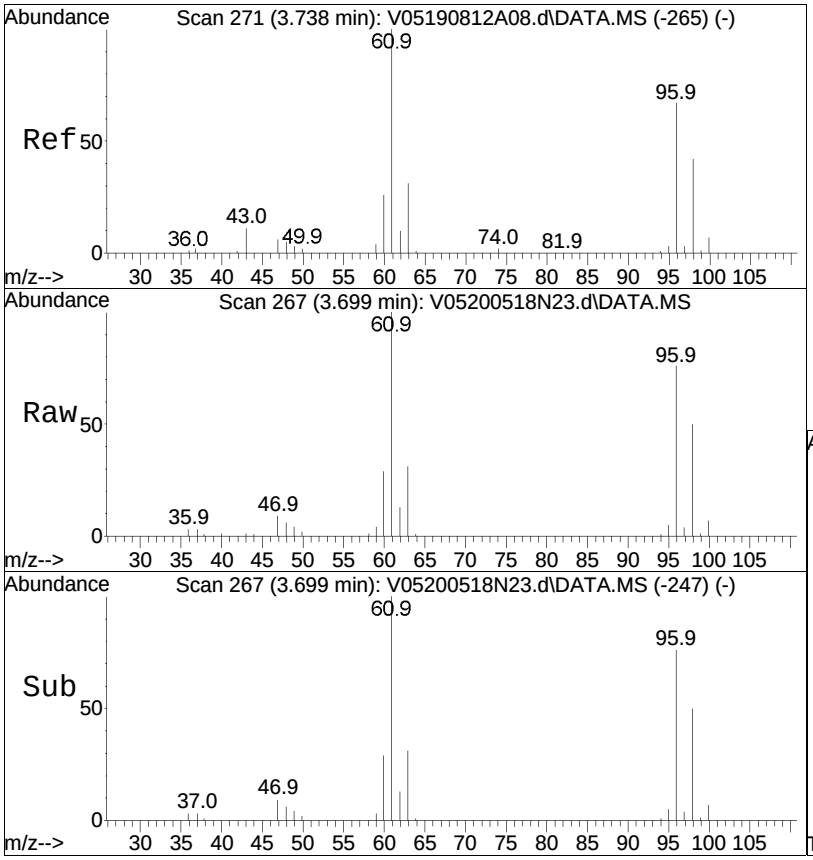


#17
Acetone
Concen: 21.98 ug/L
RT: 3.601 min Scan# 257
Delta R.T. -0.010 min
Lab File: V05200518N23.d
Acq: 19 May 2020 2:37 am

Tgt Ion: 43 Resp: 61719

Ion	Ratio	Lower	Upper
43	100		
58	28.3	22.0	33.0

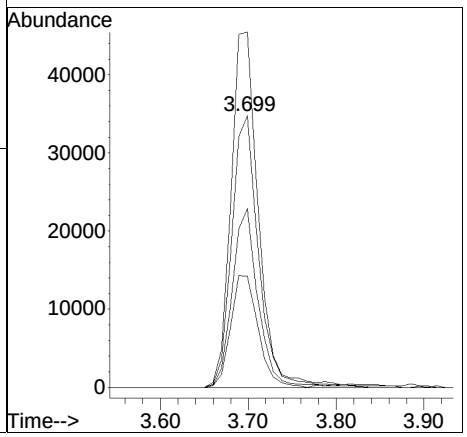


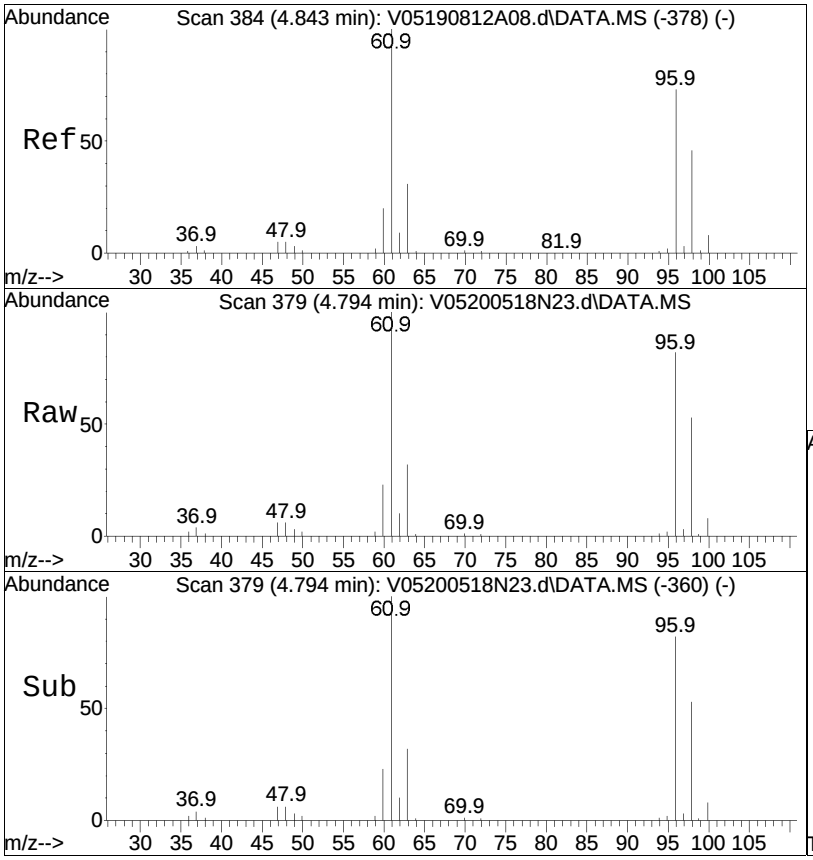


#18
trans-1,2-Dichloroethene
Concen: 3.52 ug/L
RT: 3.699 min Scan# 267
Delta R.T. -0.000 min
Lab File: V05200518N23.d
Acq: 19 May 2020 2:37 am

Tgt Ion: 96 Resp: 74396

Ion	Ratio	Lower	Upper
96	100		
61	134.0	91.7	190.5
98	63.6	41.1	85.5
63	41.9	29.4	61.0

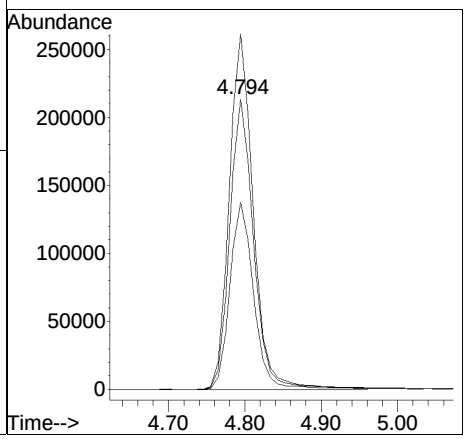


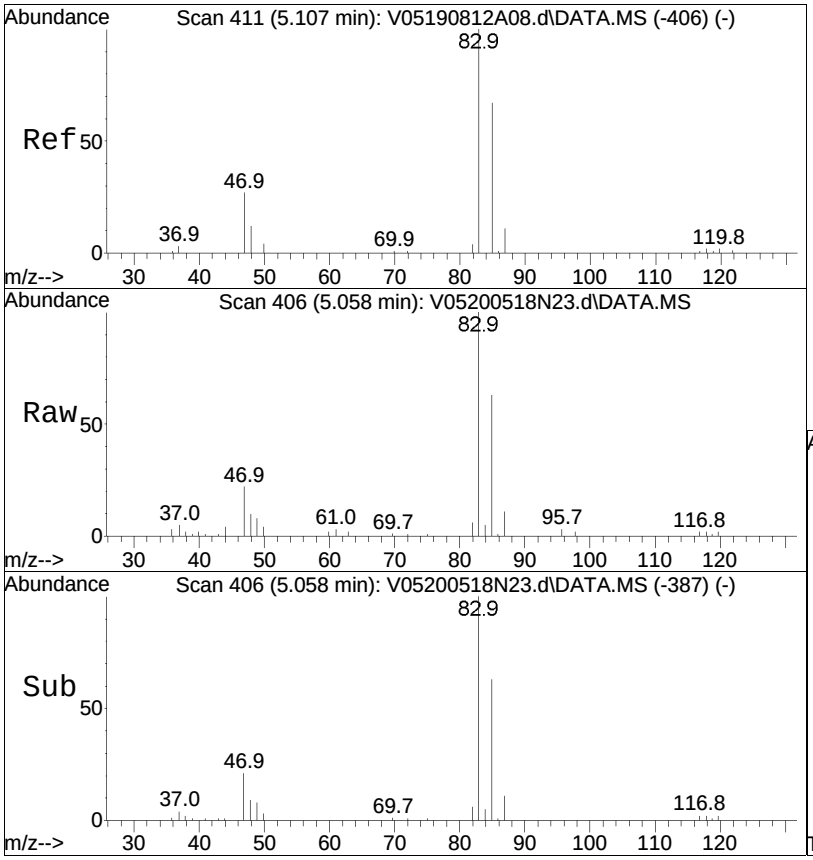


#28
cis-1,2-Dichloroethene
Concen: 20.39 ug/L
RT: 4.794 min Scan# 379
Delta R.T. -0.010 min
Lab File: V05200518N23.d
Acq: 19 May 2020 2:37 am

Tgt Ion: 96 Resp: 465830

Ion	Ratio	Lower	Upper
96	100		
61	123.0	100.5	150.7
98	64.3	49.8	74.8

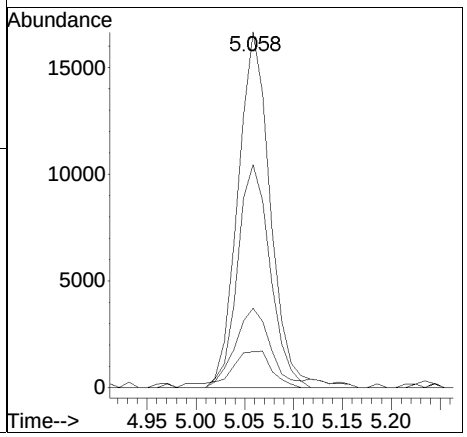


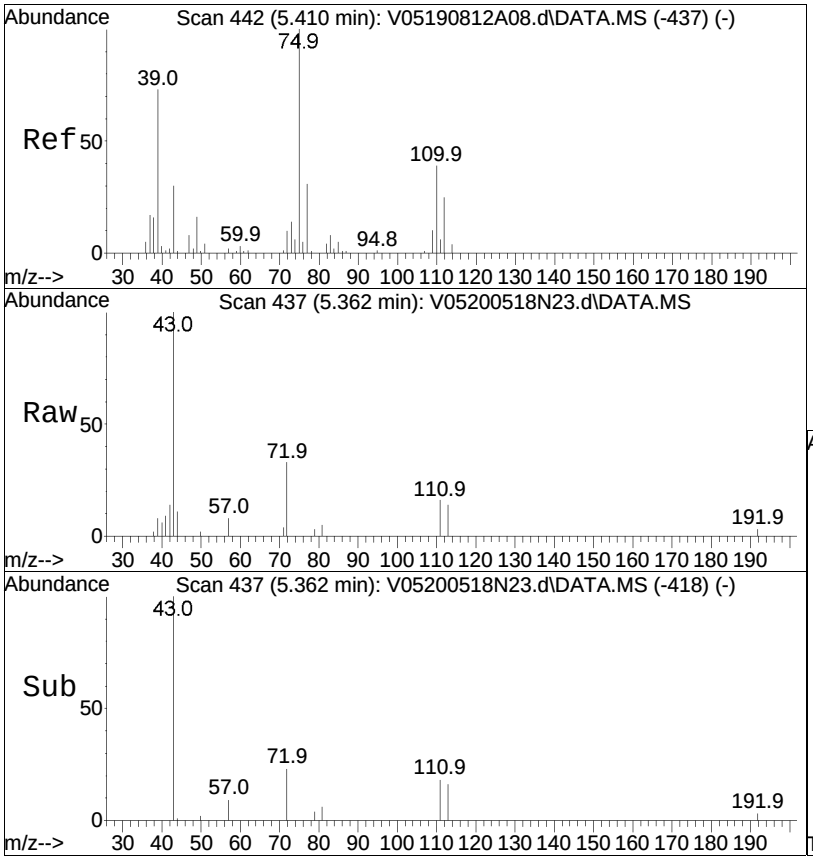


#32
Chloroform
Concen: 1.03 ug/L
RT: 5.058 min Scan# 406
Delta R.T. -0.010 min
Lab File: V05200518N23.d
Acq: 19 May 2020 2:37 am

Tgt Ion: 83 Resp: 38651

Ion	Ratio	Lower	Upper
83	100		
85	64.6	42.8	89.0
47	24.9	13.7	28.4
48	12.0	6.9	14.3

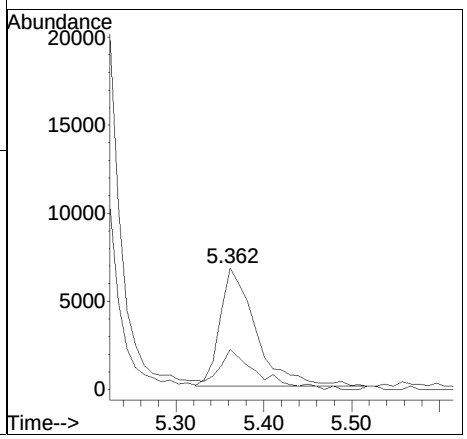


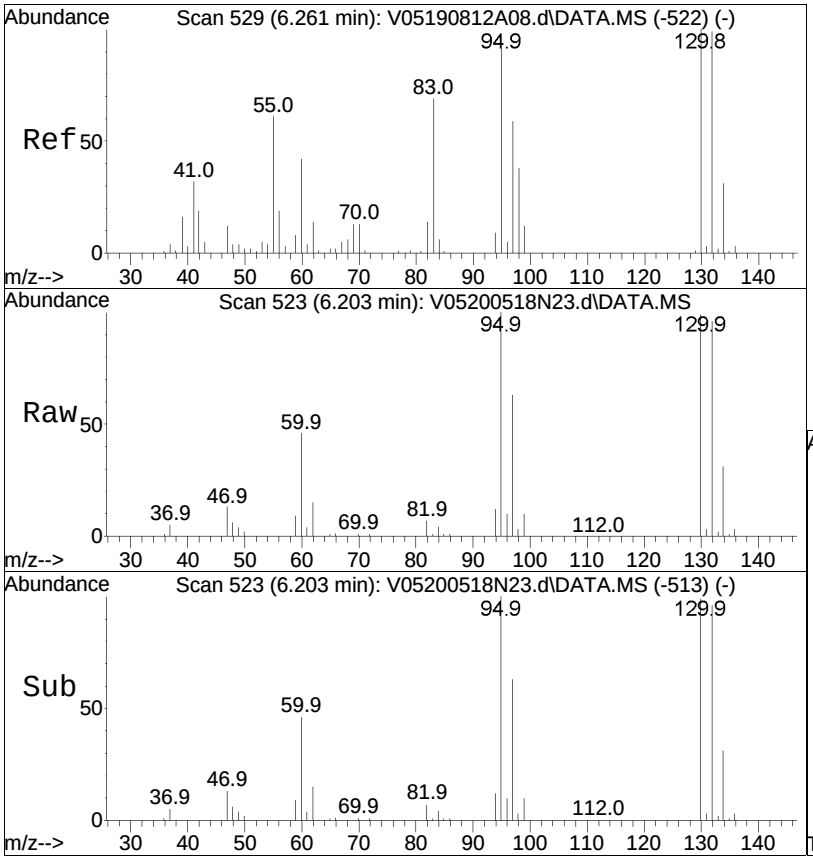


#39
2-Butanone
Concen: 4.48 ug/L
RT: 5.362 min Scan# 437
Delta R.T. -0.009 min
Lab File: V05200518N23.d
Acq: 19 May 2020 2:37 am

Tgt Ion: 43 Resp: 19229

Ion	Ratio	Lower	Upper
43	100		
72	35.4	55.6	83.4#

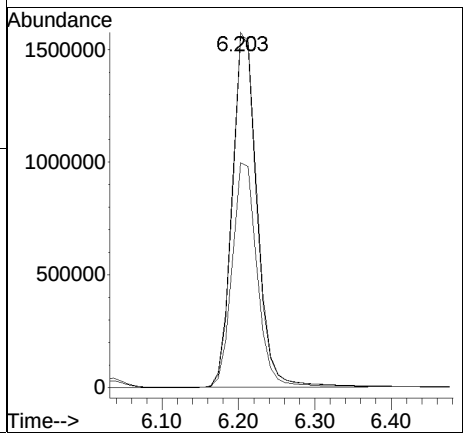


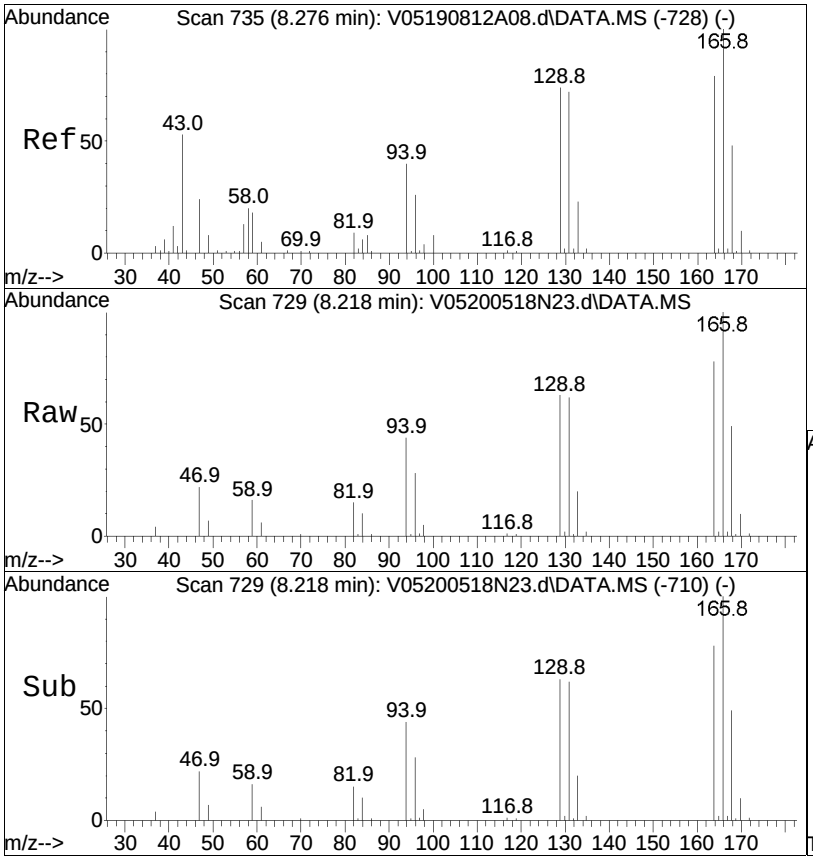


#48
Trichloroethene
Concen: 146.92 ug/L
RT: 6.203 min Scan# 523
Delta R.T. -0.019 min
Lab File: V05200518N23.d
Acq: 19 May 2020 2:37 am

Tgt Ion: 95 Resp: 3567451

Ion	Ratio	Lower	Upper
95	100		
97	64.0	56.1	84.1
130	100.5	77.7	116.5

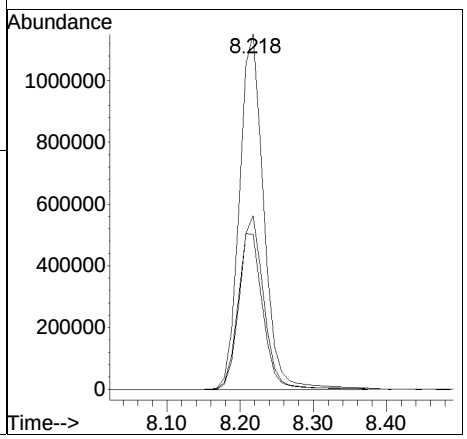


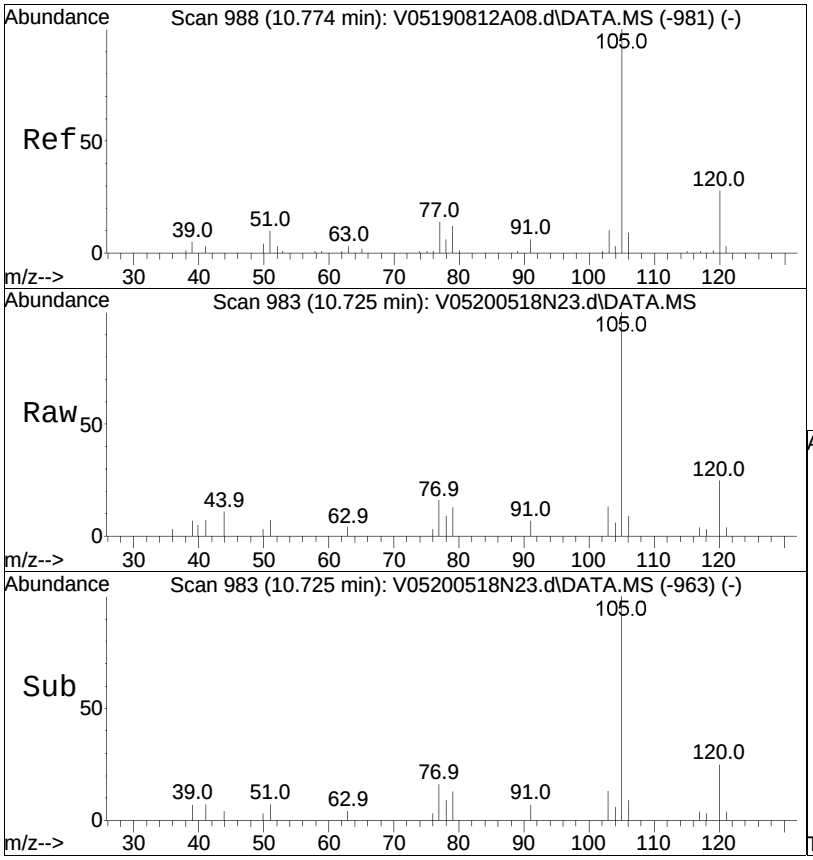


#63
Tetrachloroethene
Concen: 91.66 ug/L
RT: 8.218 min Scan# 729
Delta R.T. -0.009 min
Lab File: V05200518N23.d
Acq: 19 May 2020 2:37 am

Tgt Ion:166 Resp: 2665131

Ion	Ratio	Lower	Upper
166	100		
168	48.6	30.2	70.2
94	45.3	32.5	72.5

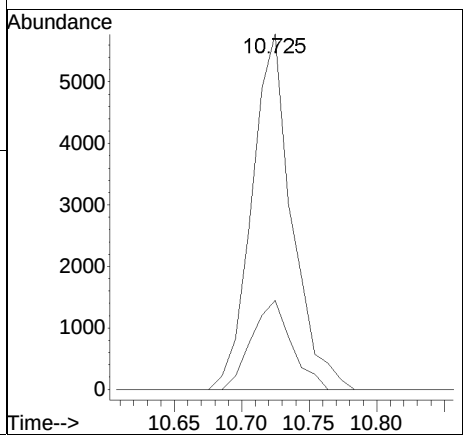




#82
Isopropylbenzene
Concen: 0.10 ug/L
RT: 10.725 min Scan# 983
Delta R.T. -0.000 min
Lab File: V05200518N23.d
Acq: 19 May 2020 2:37 am

Tgt Ion:105 Resp: 11931

Ion	Ratio	Lower	Upper
105	100		
120	25.0	4.8	44.8



Manual Integration Report

Data Path	: I:\VOLATILES\VOA105\2020\2	QMethod	: V105_200313N_8260.m
Data File	: V05200518N23.d	Operator	: VOA105:NLK
Date Inj'd	: 5/19/2020 2:37 am	Instrument	: VOA 105
Sample	: l2020006-06D,31,5,10,,a	Quant Date	: 5/19/2020 9:16 am

There are no manual integrations or false positives in this file.

LSC Area Percent Report

Data Path : I:\VOLATILES\VOA105\2020\200518N\
Data File : V05200518N23.d
Acq On : 19 May 2020 2:37 am
Operator : VOA105:NLK
Sample : l2020006-06D,31,5,10,,a
Misc : WG1372229,ICAL16595
ALS Vial : 23 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : I:\VOLATILES\VOA105\2020\200518N\V105_200313N_8260.m
Title : VOLATILES BY GC/MS

Signal : TIC: V05200518N23.d\DATA.MS

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.794	372	379	394	rBV	905270	1969042	9.61%	3.552%
2	5.234	416	424	434	rBV2	509859	1561026	7.62%	2.816%
3	5.763	470	478	499	rBV	350010	835732	4.08%	1.507%
4	6.037	499	506	517	rVV	940041	2143815	10.46%	3.867%
5	6.203	517	523	560	rVB	8837570	20489371	100.00%	36.959%
6	7.719	670	678	705	rBV	1140373	2628743	12.83%	4.742%
7	8.218	720	729	764	rBV	6445100	15206891	74.22%	27.430%
8	9.559	858	864	884	rBV	1087432	2565038	12.52%	4.627%
9	11.048	1011	1016	1042	rBV	955755	2024630	9.88%	3.652%
10	12.253	1133	1139	1155	rBV	1435396	2629266	12.83%	4.743%
11	13.703	1281	1287	1295	rBV2	469677	985629	4.81%	1.778%
12	14.692	1380	1388	1395	rBV	370033	829432	4.05%	1.496%
13	14.819	1395	1401	1408	rVV3	198905	647663	3.16%	1.168%
14	15.329	1447	1453	1464	rVV	458774	922319	4.50%	1.664%

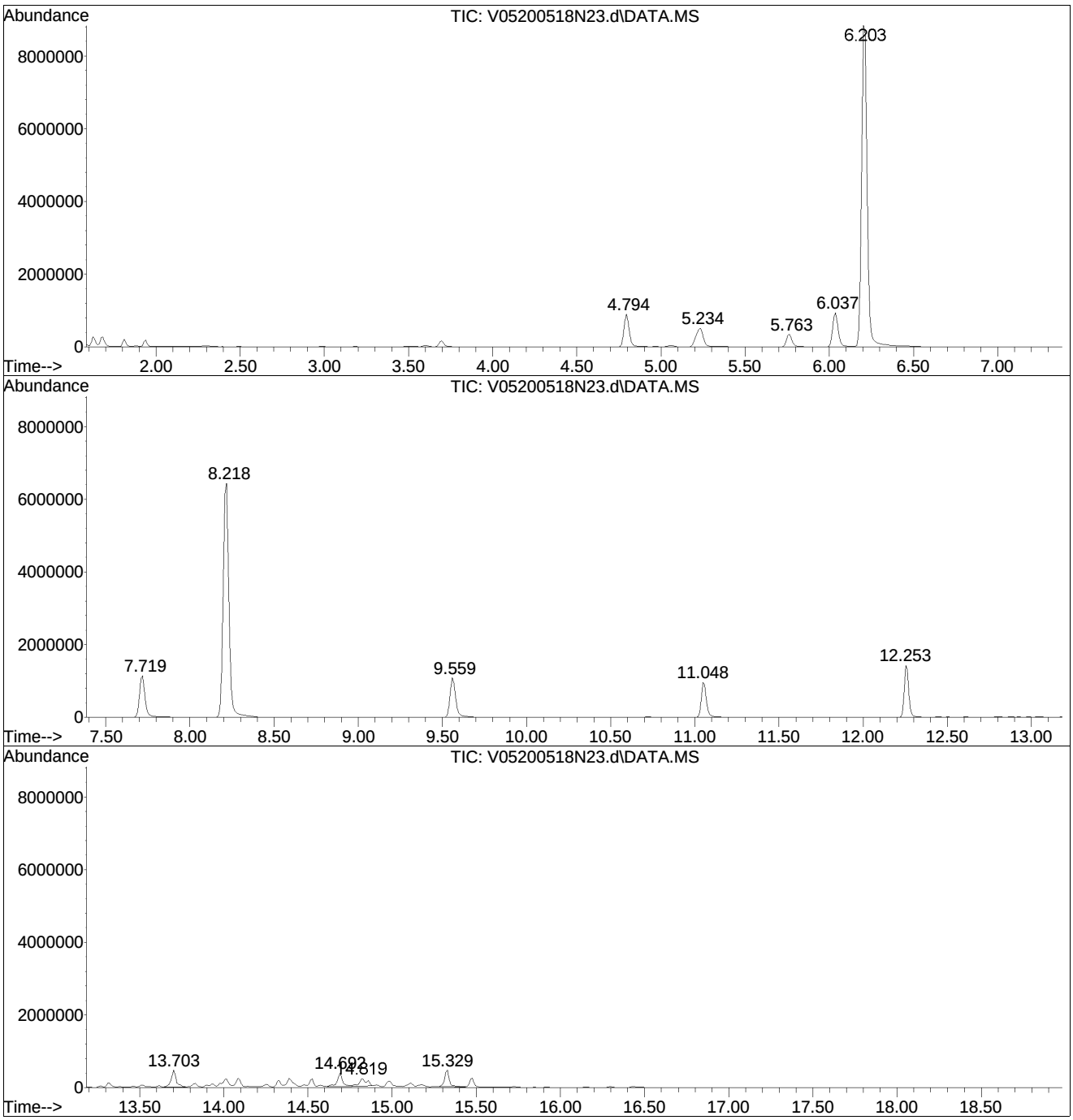
Sum of corrected areas: 55438597

LSC Report - Integrated Chromatogram

Data Path : I:\VOLATILES\VOA105\2020\200518N\
Data File : V05200518N23.d
Acq On : 19 May 2020 2:37 am
Operator : VOA105:NLK
Sample : l2020006-06D,31,5,10,,a
Misc : WG1372229,ICAL16595
ALS Vial : 23 Sample Multiplier: 1

Quant Method : I:\VOLATILES\VOA105\2020\200518N\V105_200313N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p



Data Path : I:\VOLATILES\VOA105\2020\200518N\
Data File : V05200518N23.d
Acq On : 19 May 2020 2:37 am
Operator : VOA105:NLK
Sample : l2020006-06D,31,5,10,,a
Misc : WG1372229,ICAL16595
ALS Vial : 23 Sample Multiplier: 1

Quant Method : I:\VOLATILES\VOA105\2020\200518N\V105_200313N_8260.m
Quant Title : VOLATILES BY GC/MS

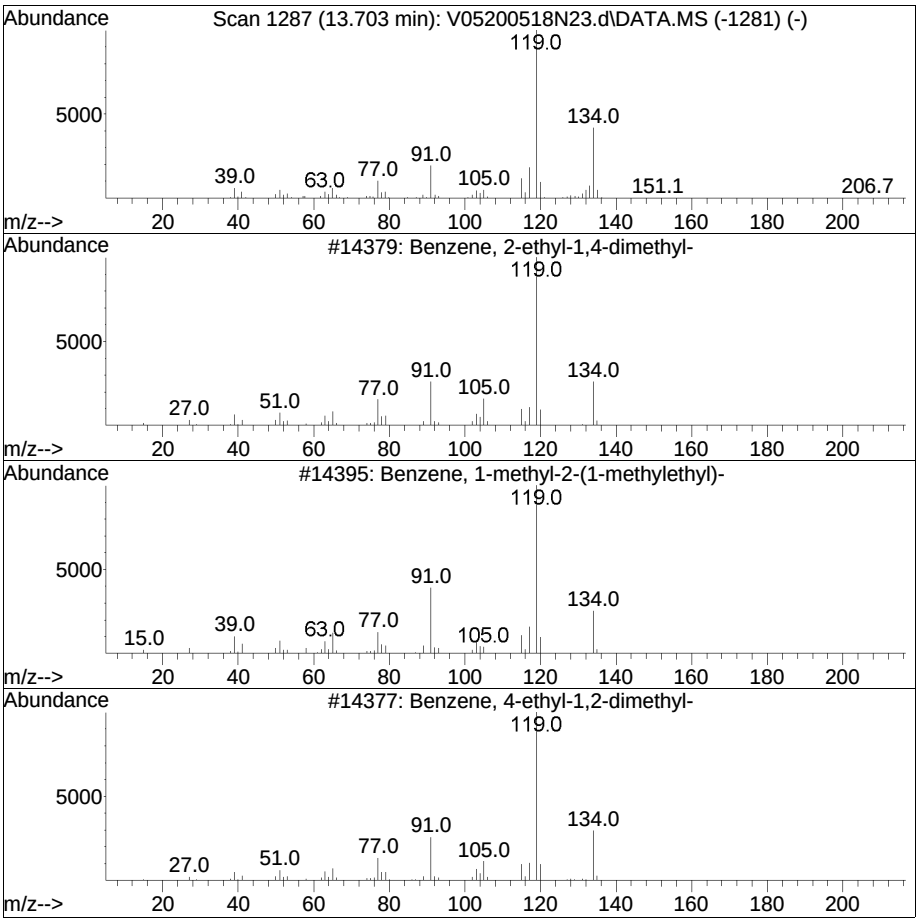
TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

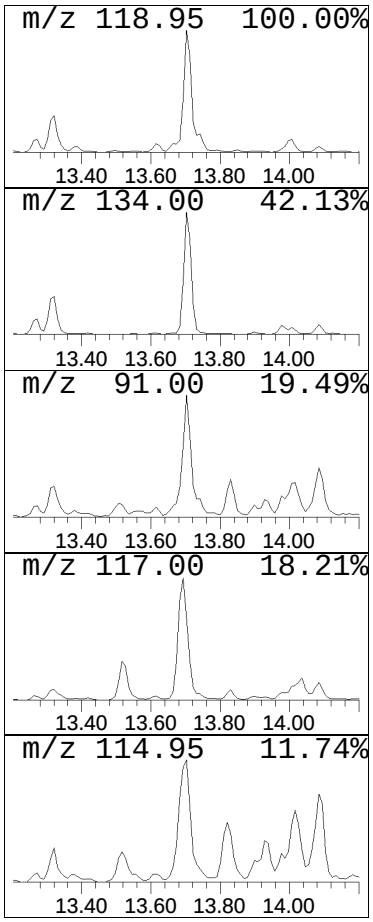
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Peak Number 1 Unknown Benzene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.703	3.75 ug/L	985629	1,4-Dichlorobenzene-d4	12.253

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94
2	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	94
3	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	93
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	93





Library Search Compound Report

Data Path : I:\VOLATILES\VOA105\2020\200518N\
Data File : V05200518N23.d
Acq On : 19 May 2020 2:37 am
Operator : VOA105:NLK
Sample : l2020006-06D,31,5,10,,a
Misc : WG1372229,ICAL16595
ALS Vial : 23 Sample Multiplier: 1

Quant Method : I:\VOLATILES\VOA105\2020\200518N\V105_200313N_8260.m
Quant Title : VOLATILES BY GC/MS

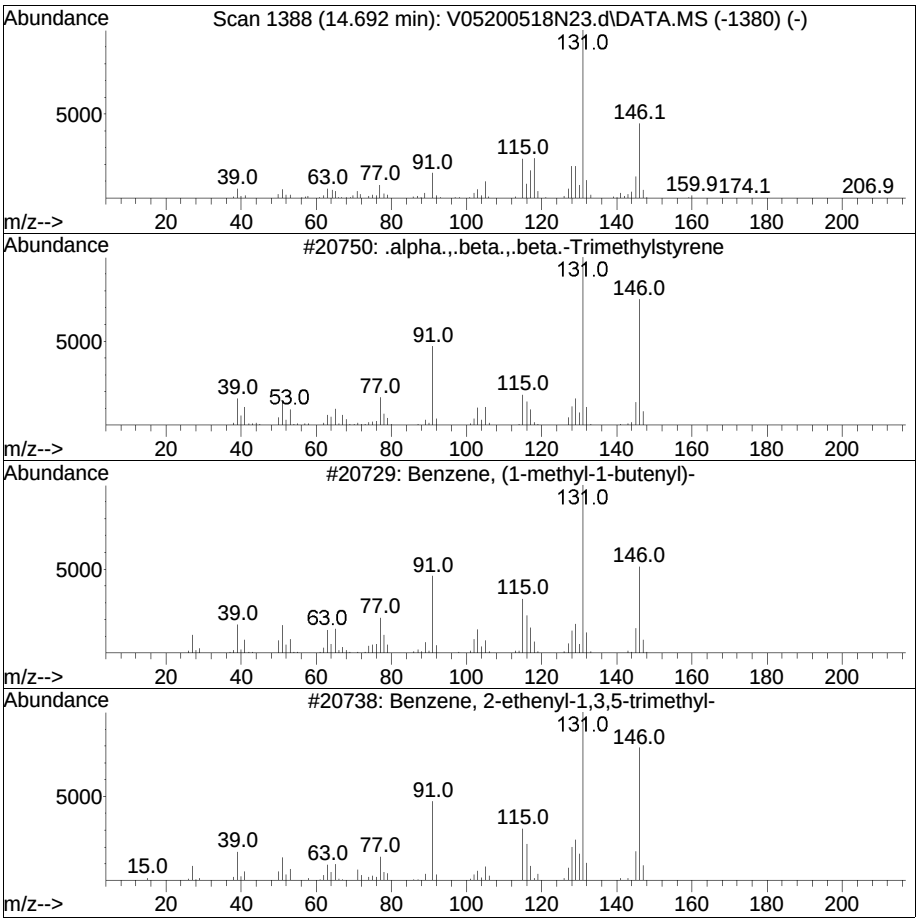
TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

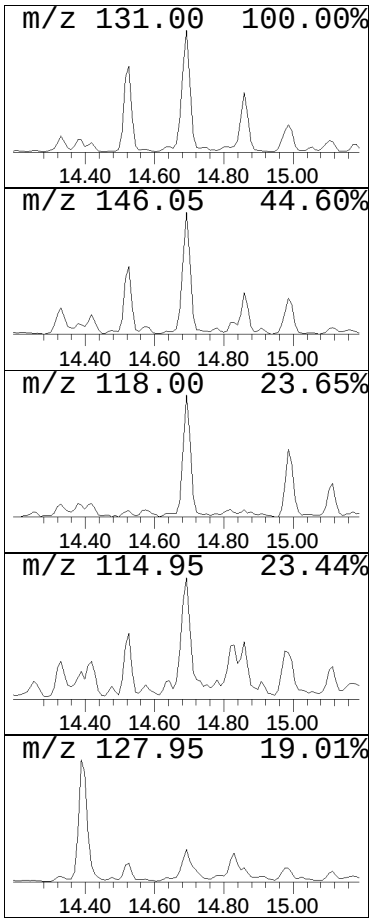
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Peak Number 2 Unknown Aromatic Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.692	3.15 ug/L	829432	1,4-Dichlorobenzene-d4	12.253

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.alpha.,.beta.,.beta.-Trimethyls...	146	C11H14	000769-57-3	90
2	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	90
3	Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	87
4	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	87
5	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	81





Data Path : I:\VOLATILES\VOA105\2020\200518N\
Data File : V05200518N23.d
Acq On : 19 May 2020 2:37 am
Operator : VOA105:NLK
Sample : l2020006-06D,31,5,10,,a
Misc : WG1372229,ICAL16595
ALS Vial : 23 Sample Multiplier: 1

Quant Method : I:\VOLATILES\VOA105\2020\200518N\V105_200313N_8260.m
Quant Title : VOLATILES BY GC/MS

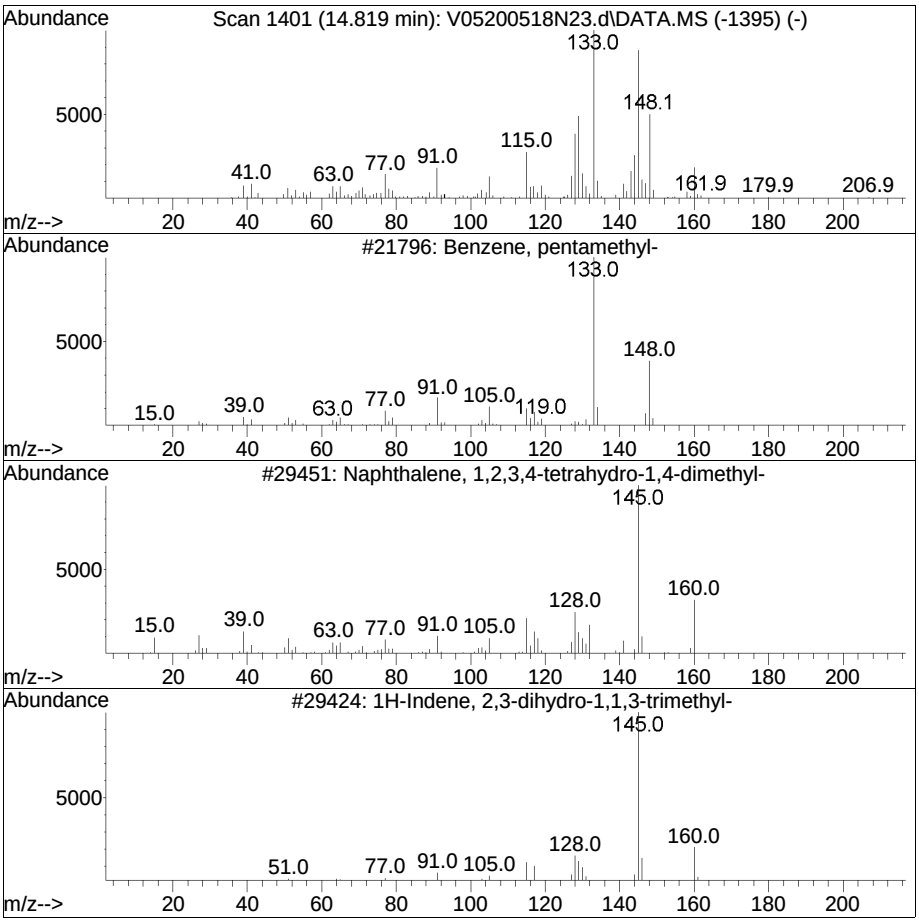
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TIC Integration Parameters: rteint.p

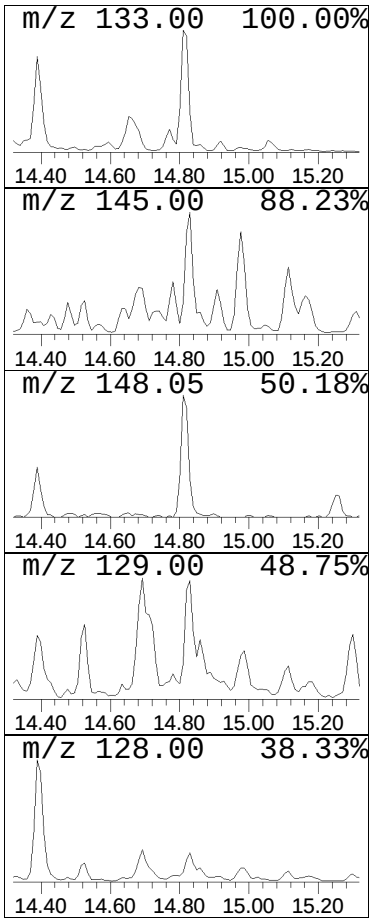
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Peak Number 3 Unknown Aromatic Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.819	2.46 ug/L	647663	1,4-Dichlorobenzene-d4	12.253

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, pentamethyl-	148	C11H16	000700-12-9	70
2	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	46
3	1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	42
4	Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	38
5	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	001076-61-5	38





Data Path : I:\VOLATILES\VOA105\2020\200518N\
Data File : V05200518N23.d
Acq On : 19 May 2020 2:37 am
Operator : VOA105:NLK
Sample : l2020006-06D,31,5,10,,a
Misc : WG1372229,ICAL16595
ALS Vial : 23 Sample Multiplier: 1

Quant Method : I:\VOLATILES\VOA105\2020\200518N\V105_200313N_8260.m
Quant Title : VOLATILES BY GC/MS

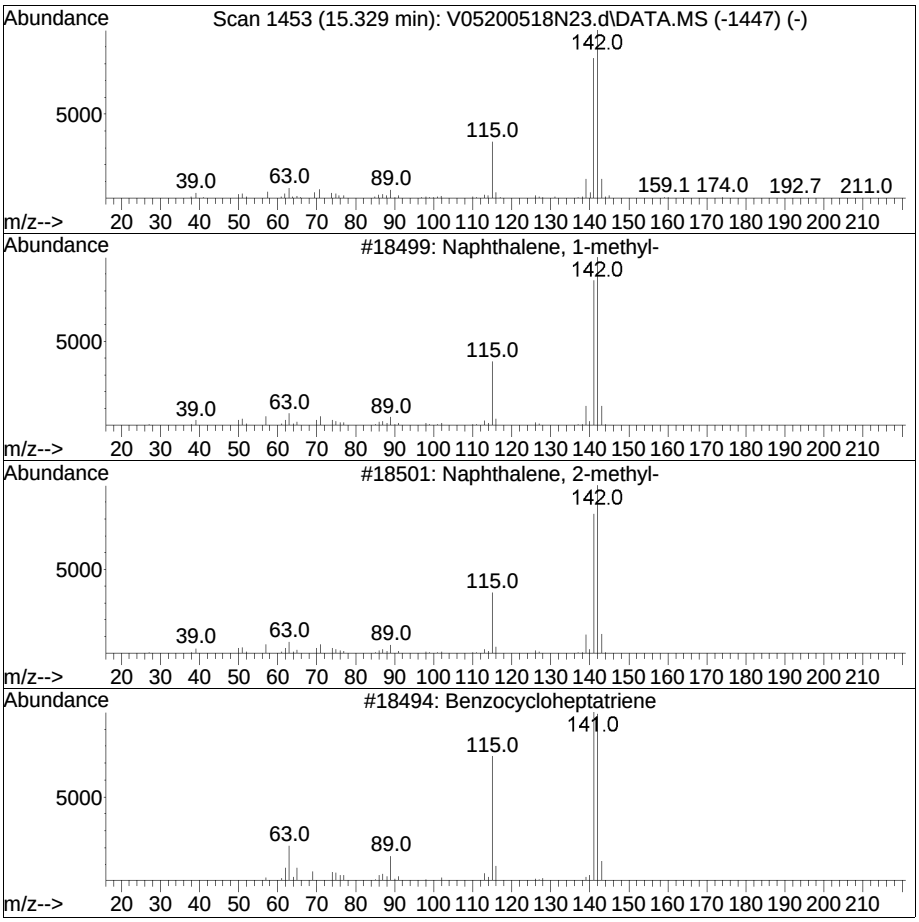
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TIC Integration Parameters: rteint.p

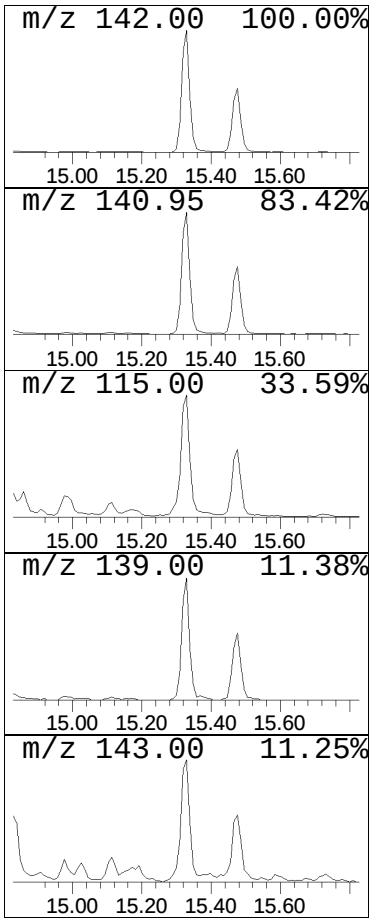
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Peak Number 4 Unknown Aromatic Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.329	3.51 ug/L	922319	1,4-Dichlorobenzene-d4	12.253

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3	Benzocycloheptatriene	142	C11H10	000264-09-5	91
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
5	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	59





Tentatively Identified Compound (LSC) summary

Data Path : I:\VOLATILES\VOA105\2020\200518N\
Data File : V05200518N23.d
Acq On : 19 May 2020 2:37 am
Operator : VOA105:NLK
Sample : l2020006-06D,31,5,10,,a
Misc : WG1372229,ICAL16595
ALS Vial : 23 Sample Multiplier: 1

Quant Method : I:\VOLATILES\VOA105\2020\200518N\V105_200313N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Unknown Benzene	13.703	3.7	ug/L	985629	3	12.253	2629270	10.0
Unknown Aromatic	14.692	3.2	ug/L	829432	3	12.253	2629270	10.0
Unknown Aromatic	14.819	2.5	ug/L	647663	3	12.253	2629270	10.0
Unknown Aromatic	15.329	3.5	ug/L	922319	3	12.253	2629270	10.0

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2020\200518N\
Data File : V05200518N24.d
Acq On : 19 May 2020 3:00 am
Operator : VOA105:NLK
Sample : l2020006-07D,31,4,10,,a
Misc : WG1372229,ICAL16595
ALS Vial : 24 Sample Multiplier: 1

Quant Time: May 19 09:54:27 2020
Quant Method : I:\VOLATILES\VOA105\2020\200518N\V105_200313N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Mar 15 01:23:14 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2020\200518N\V05200518N01.d
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	6.036	96	1001223	10.000 ug/L	0.00
Standard Area 1 = 1103307			Recovery =	90.75%	
59) Chlorobenzene-d5	9.559	117	806608	10.000 ug/L	-0.01
Standard Area 1 = 869831			Recovery =	92.73%	
79) 1,4-Dichlorobenzene-d4	12.253	152	459864	10.000 ug/L	-0.01
Standard Area 1 = 540562			Recovery =	85.07%	
System Monitoring Compounds					
36) Dibromofluoromethane	5.234	113	299056	11.158 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	111.58%	
43) 1,2-Dichloroethane-d4	5.762	65	325412	11.329 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	113.29%	
60) Toluene-d8	7.719	98	985084	9.653 ug/L	-0.01
Spiked Amount 10.000	Range 70 - 130		Recovery =	96.53%	
83) 4-Bromofluorobenzene	11.048	95	410567	9.488 ug/L	-0.01
Spiked Amount 10.000	Range 70 - 130		Recovery =	94.88%	
Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.	
3) Chloromethane	0.000		0	N.D. d	
4) Vinyl chloride	1.938	62	156	N.D.	
5) Bromomethane	2.241	94	492	N.D.	
6) Chloroethane	2.398	64	677	N.D.	
7) Trichlorofluoromethane	0.000		0	N.D.	
10) 1,1-Dichloroethene	2.994	96	784	N.D.	
11) Carbon disulfide	3.014	76	2368	N.D.	
12) Freon-113	0.000		0	N.D.	
15) Methylene chloride	3.552	84	3935	0.187 ug/L	92
17) Acetone	3.591	43	265904	96.687 ug/L	100
18) trans-1,2-Dichloroethene	3.708	96	2561	0.119 ug/L	94
19) Methyl acetate	0.000		0	N.D. d	
20) Methyl tert-butyl ether	0.000		0	N.D.	
23) 1,1-Dichloroethane	0.000		0	N.D.	
28) cis-1,2-Dichloroethene	4.794	96	79543	3.413 ug/L	97
30) Bromochloromethane	0.000		0	N.D.	
31) Cyclohexane	0.000		0	N.D.	
32) Chloroform	5.058	83	54462	1.420 ug/L	97
34) Carbon tetrachloride	5.058	117	459	N.D.	

Data Path : I:\VOLATILES\VOA105\2020\200518N\
Data File : V05200518N24.d
Acq On : 19 May 2020 3:00 am
Operator : VOA105:NLK
Sample : l2020006-07D,31,4,10,,a
Misc : WG1372229,ICAL16595
ALS Vial : 24 Sample Multiplier: 1

Quant Time: May 19 09:54:27 2020
Quant Method : I:\VOLATILES\VOA105\2020\200518N\V105_200313N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Mar 15 01:23:14 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2020\200518N\V05200518N01.d
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1,1,1-Trichloroethane	0.000		0	N.D.		
39) 2-Butanone	5.352	43	174200	39.757	ug/L #	56
41) Benzene	5.625	78	635	N.D.		
44) 1,2-Dichloroethane	5.821	62	2277	0.088	ug/L	90
47) Methyl cyclohexane	0.000		0	N.D. d		
48) Trichloroethene	6.212	95	2574205	103.944	ug/L	95
51) 1,2-Dichloropropane	0.000		0	N.D.		
54) Bromodichloromethane	6.838	83	1840	N.D.		
57) 1,4-Dioxane	0.000		0	N.D.		
58) cis-1,3-Dichloropropene	0.000		0	N.D.		
61) Toluene	7.787	92	498	N.D.		
62) 4-Methyl-2-pentanone	8.237	58	103	N.D.		
63) Tetrachloroethene	8.217	166	206834	7.484	ug/L	93
65) trans-1,3-Dichloropropene	0.000		0	N.D.		
68) 1,1,2-Trichloroethane	8.452	83	2191	0.166	ug/L	87
69) Chlorodibromomethane	0.000		0	N.D.		
71) 1,2-Dibromoethane	0.000		0	N.D.		
72) 2-Hexanone	9.235	43	273	N.D.		
73) Chlorobenzene	0.000		0	N.D.		
74) Ethylbenzene	9.617	91	351	N.D.		
76) p/m Xylene	9.813	106	266	N.D.		
77) o Xylene	0.000		0	N.D.		
78) Styrene	0.000		0	N.D.		
80) Bromoform	0.000		0	N.D.		
82) Isopropylbenzene	0.000		0	N.D.		
87) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
100) 1,3-Dichlorobenzene	12.262	146	258	N.D.		
101) 1,4-Dichlorobenzene	12.262	146	258	N.D.		
104) 1,2-Dichlorobenzene	0.000		0	N.D.		
106) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
109) 1,2,4-Trichlorobenzene	14.114	180	98	N.D.		
111) 1,2,3-Trichlorobenzene	14.564	180	241	N.D.		

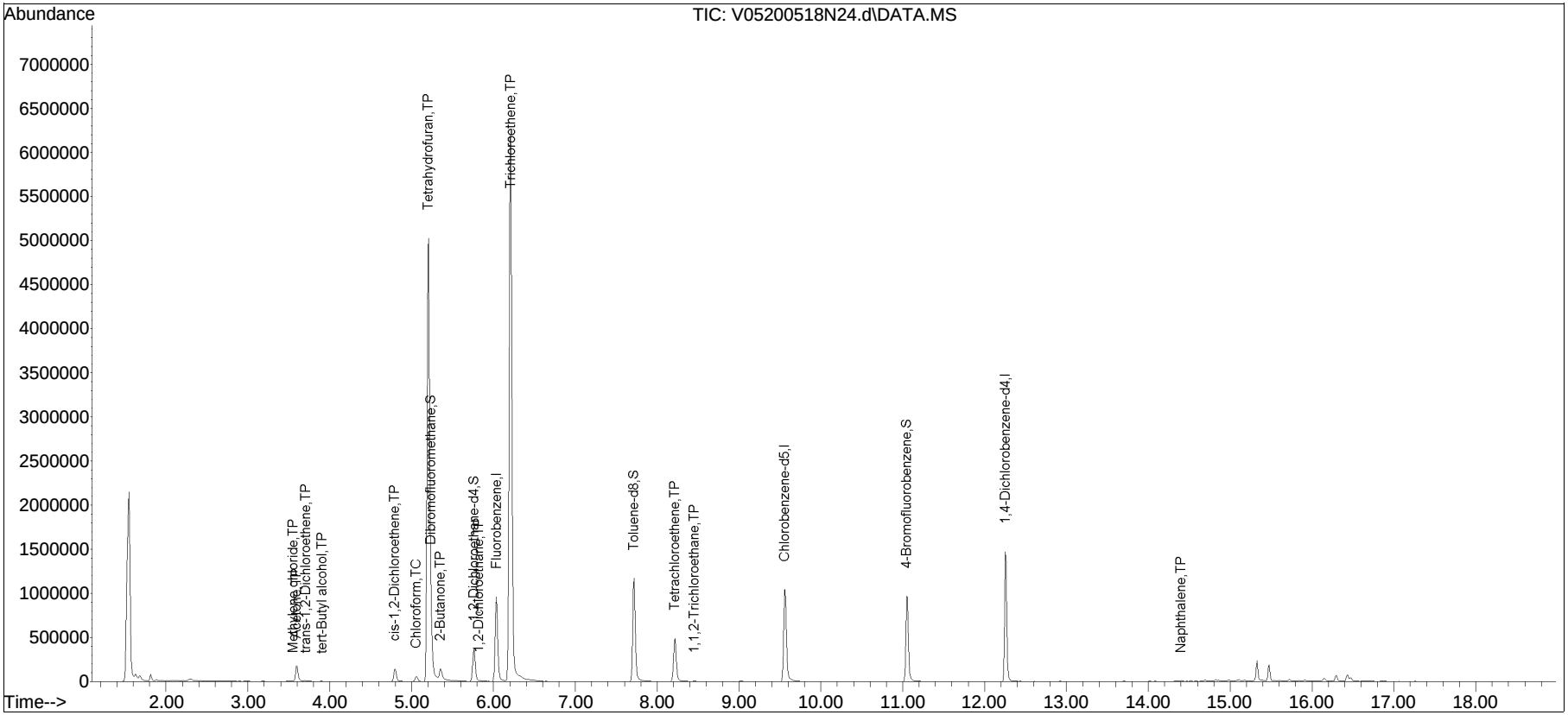
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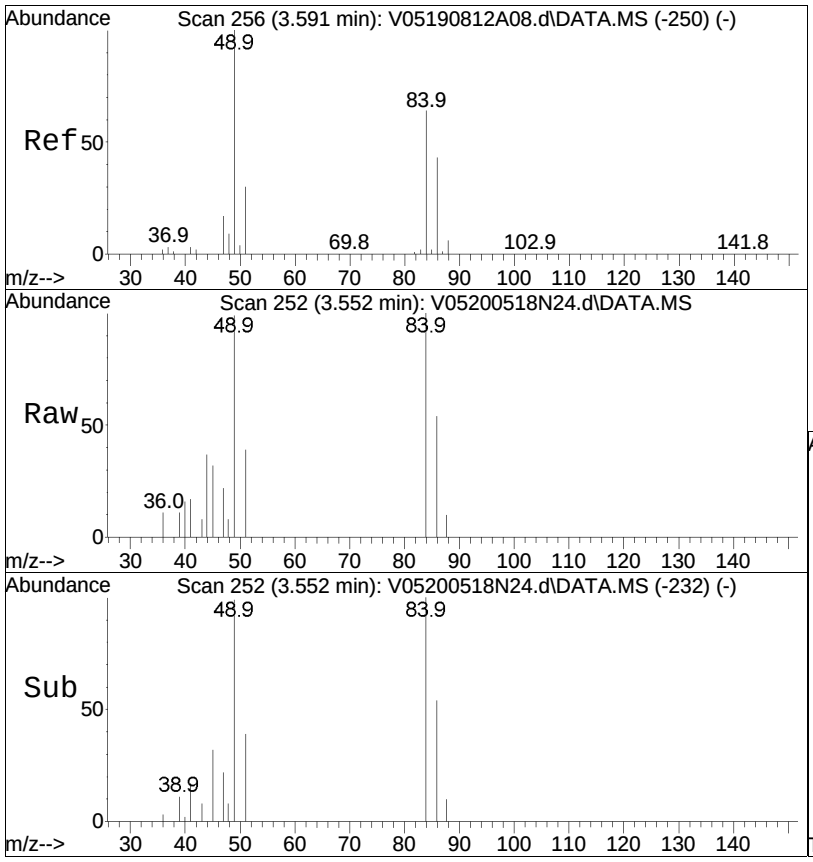
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2020\200518N\
Data File : V05200518N24.d
Acq On : 19 May 2020 3:00 am
Operator : VOA105:NLK
Sample : l2020006-07D,31,4,10,,a
Misc : WG1372229,ICAL16595
ALS Vial : 24 Sample Multiplier: 1

Quant Time: May 19 09:54:27 2020
Quant Method : I:\VOLATILES\VOA105\2020\200518N\V105_200313N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Mar 15 01:23:14 2020
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox00518N\V05200518N01.d•

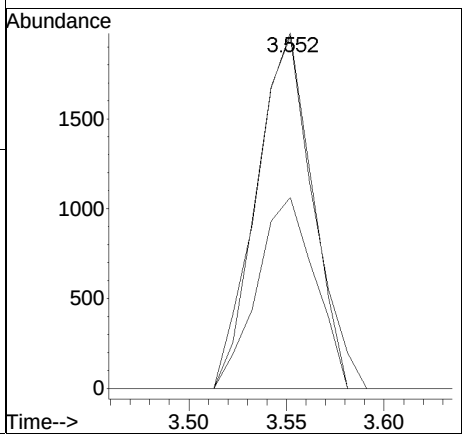


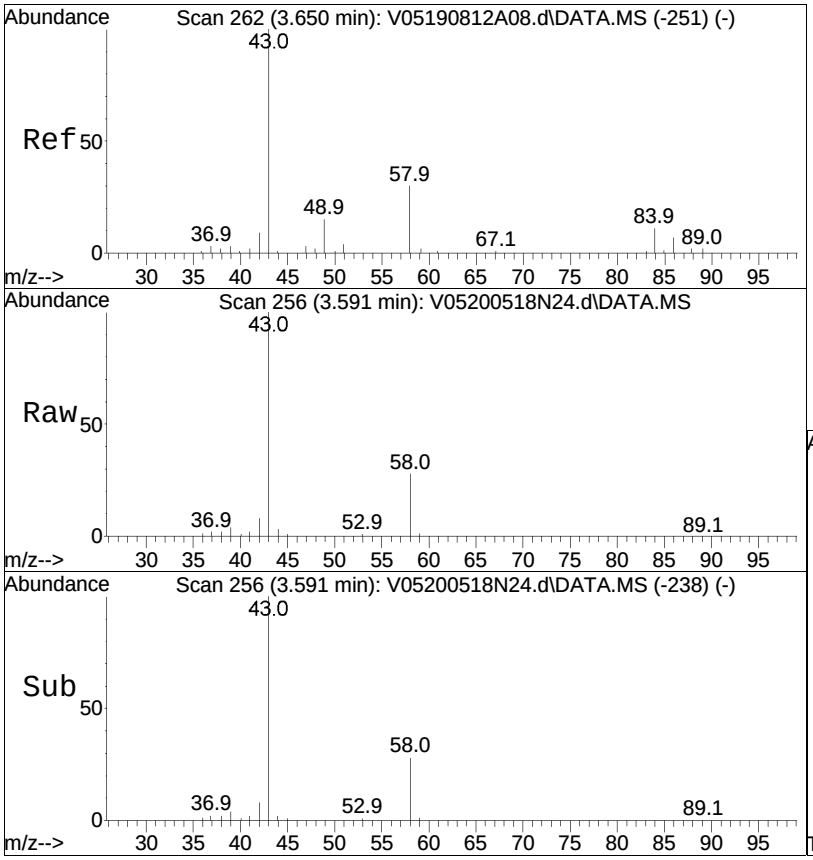


#15
Methylene chloride
Concen: 0.19 ug/L
RT: 3.552 min Scan# 252
Delta R.T. -0.000 min
Lab File: V05200518N24.d
Acq: 19 May 2020 3:00 am

Tgt Ion: 84 Resp: 3935

Ion	Ratio	Lower	Upper
84	100		
86	55.6	42.1	87.5
49	100.3	69.3	143.9

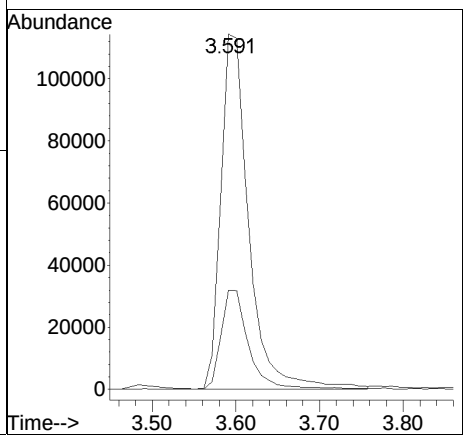


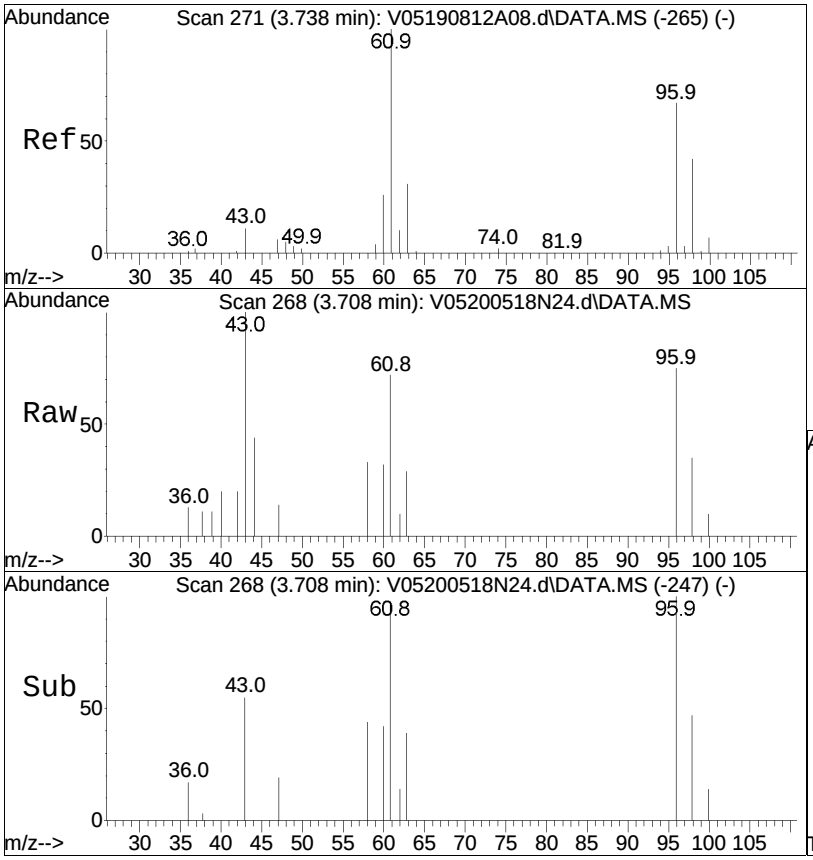


#17
Acetone
Concen: 96.69 ug/L
RT: 3.591 min Scan# 256
Delta R.T. -0.020 min
Lab File: V05200518N24.d
Acq: 19 May 2020 3:00 am

Tgt Ion: 43 Resp: 265904

Ion	Ratio	Lower	Upper
43	100		
58	27.7	22.0	33.0

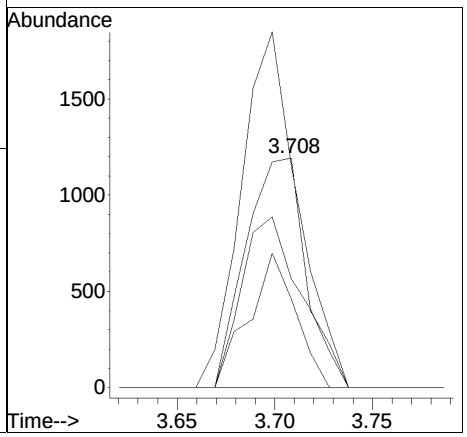


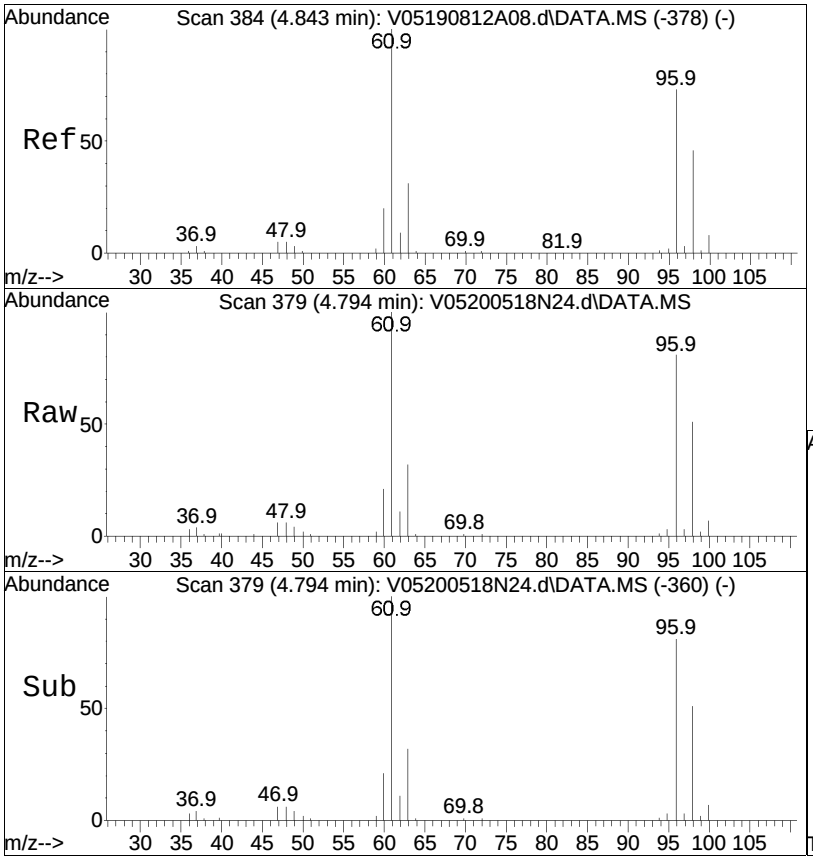


#18
trans-1,2-Dichloroethene
Concen: 0.12 ug/L
RT: 3.708 min Scan# 268
Delta R.T. 0.009 min
Lab File: V05200518N24.d
Acq: 19 May 2020 3:00 am

Tgt Ion: 96 Resp: 2561

Ion	Ratio	Lower	Upper
96	100		
61	146.1	91.7	190.5
98	73.4	41.1	85.5
63	45.5	29.4	61.0

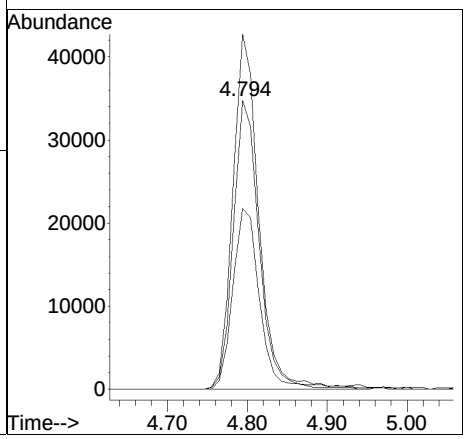


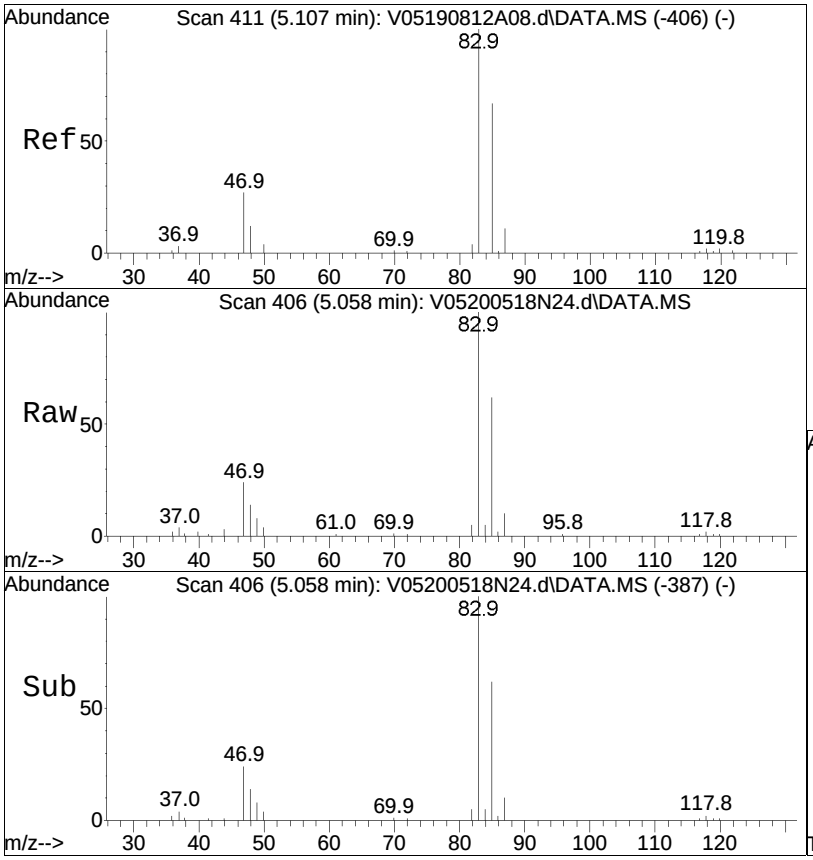


#28
cis-1,2-Dichloroethene
Concen: 3.41 ug/L
RT: 4.794 min Scan# 379
Delta R.T. -0.010 min
Lab File: V05200518N24.d
Acq: 19 May 2020 3:00 am

Tgt Ion: 96 Resp: 79543

Ion	Ratio	Lower	Upper
96	100		
61	121.7	100.5	150.7
98	63.7	49.8	74.8

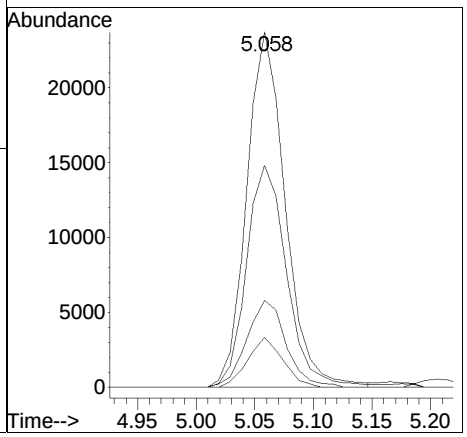


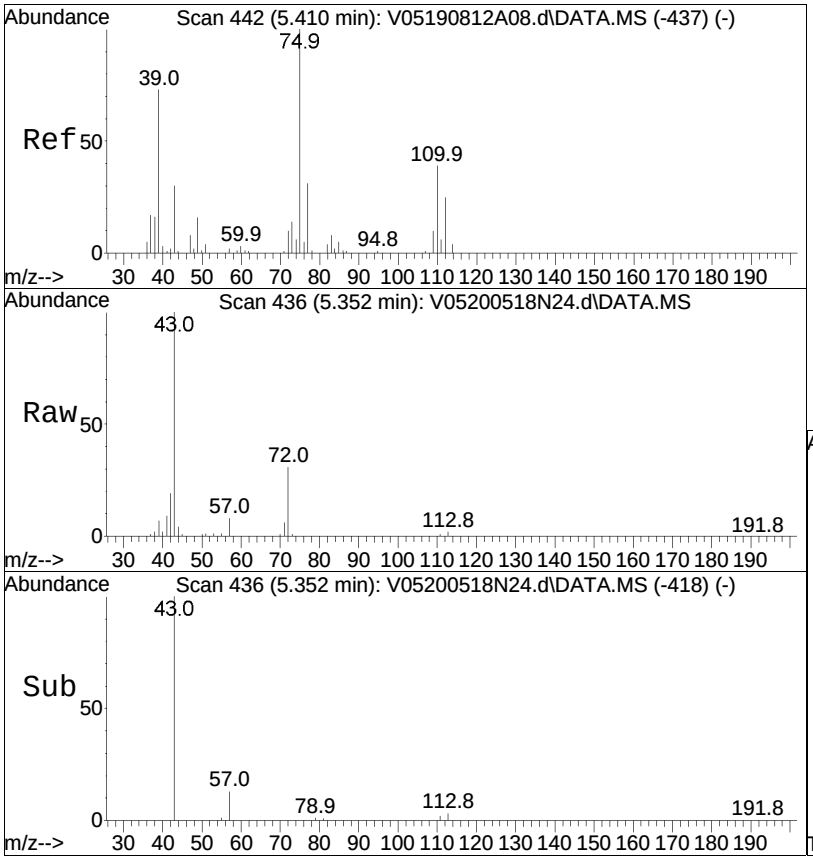


#32
Chloroform
Concen: 1.42 ug/L
RT: 5.058 min Scan# 406
Delta R.T. -0.010 min
Lab File: V05200518N24.d
Acq: 19 May 2020 3:00 am

Tgt Ion: 83 Resp: 54462

Ion	Ratio	Lower	Upper
83	100		
85	65.2	42.8	89.0
47	25.0	13.7	28.4
48	12.9	6.9	14.3

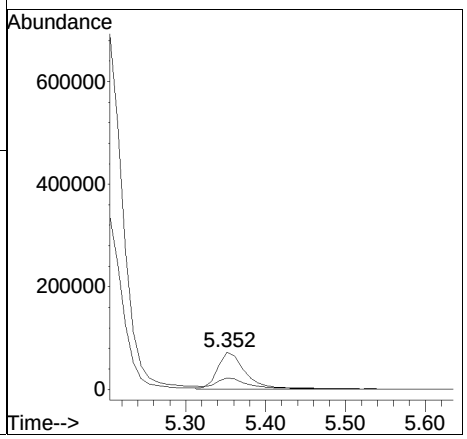


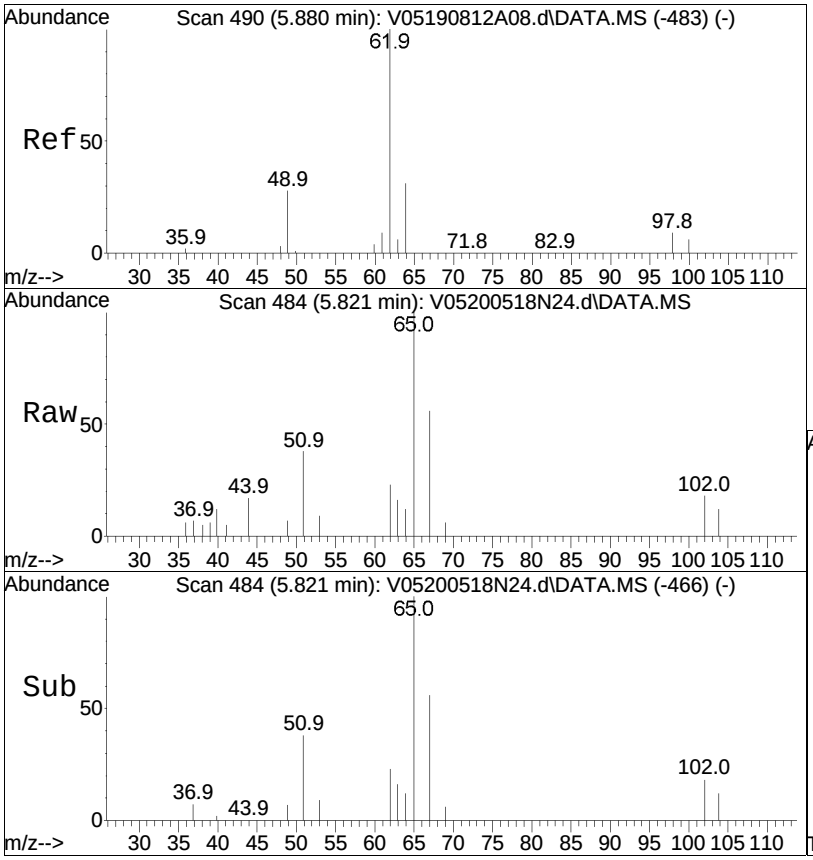


#39
2-Butanone
Concen: 39.76 ug/L
RT: 5.352 min Scan# 436
Delta R.T. -0.019 min
Lab File: V05200518N24.d
Acq: 19 May 2020 3:00 am

Tgt Ion: 43 Resp: 174200

Ion	Ratio	Lower	Upper
43	100		
72	33.7	55.6	83.4#

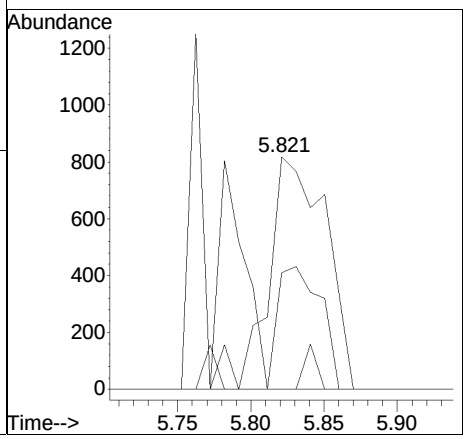


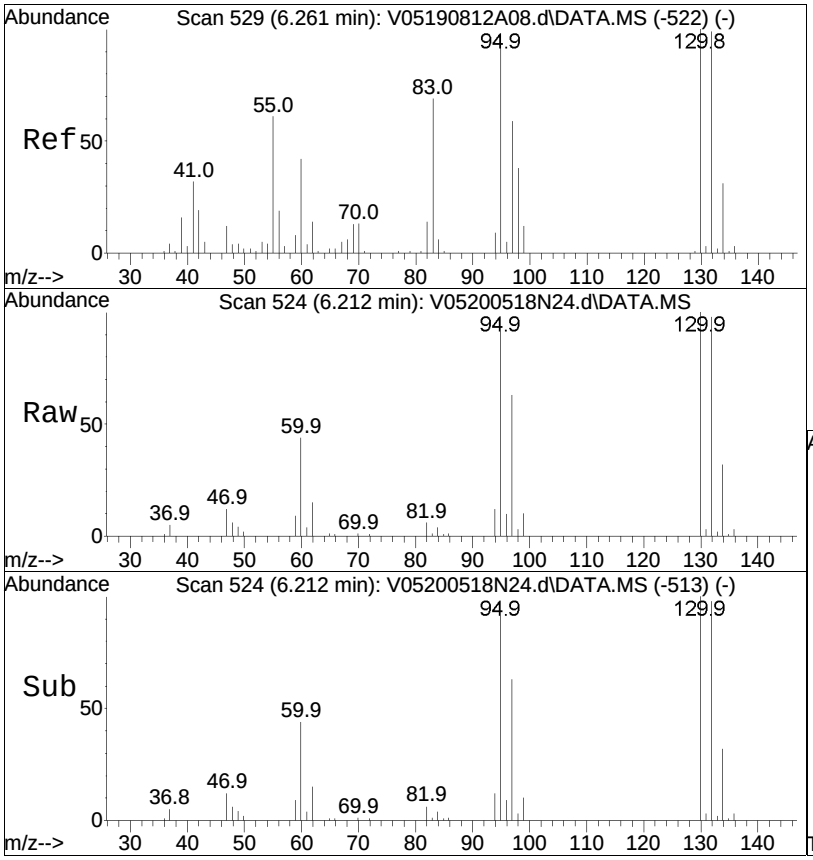


#44
1,2-Dichloroethane
Concen: 0.09 ug/L
RT: 5.821 min Scan# 484
Delta R.T. -0.020 min
Lab File: V05200518N24.d
Acq: 19 May 2020 3:00 am

Tgt Ion: 62 Resp: 2277

Ion	Ratio	Lower	Upper
62	100		
64	38.7	13.2	53.2
98	4.1	0.0	27.8

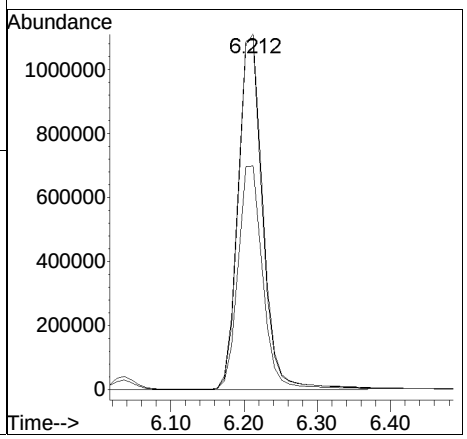


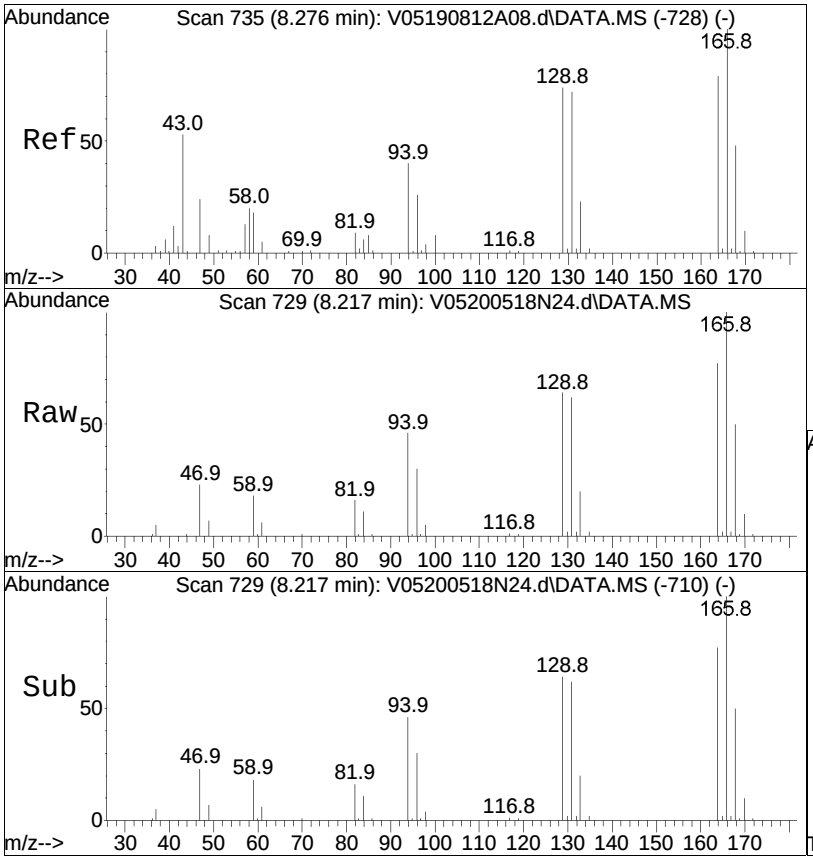


#48
Trichloroethene
Concen: 103.94 ug/L
RT: 6.212 min Scan# 524
Delta R.T. -0.010 min
Lab File: V05200518N24.d
Acq: 19 May 2020 3:00 am

Tgt Ion: 95 Resp: 2574205

Ion	Ratio	Lower	Upper
95	100		
97	63.8	56.1	84.1
130	100.7	77.7	116.5

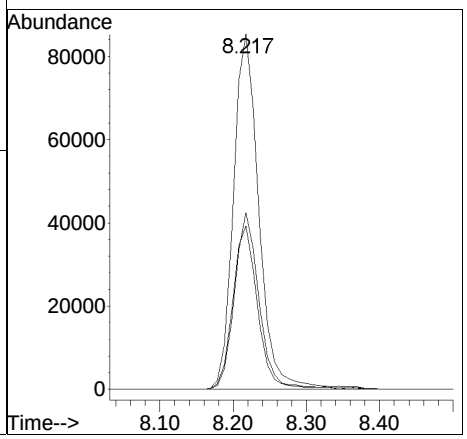


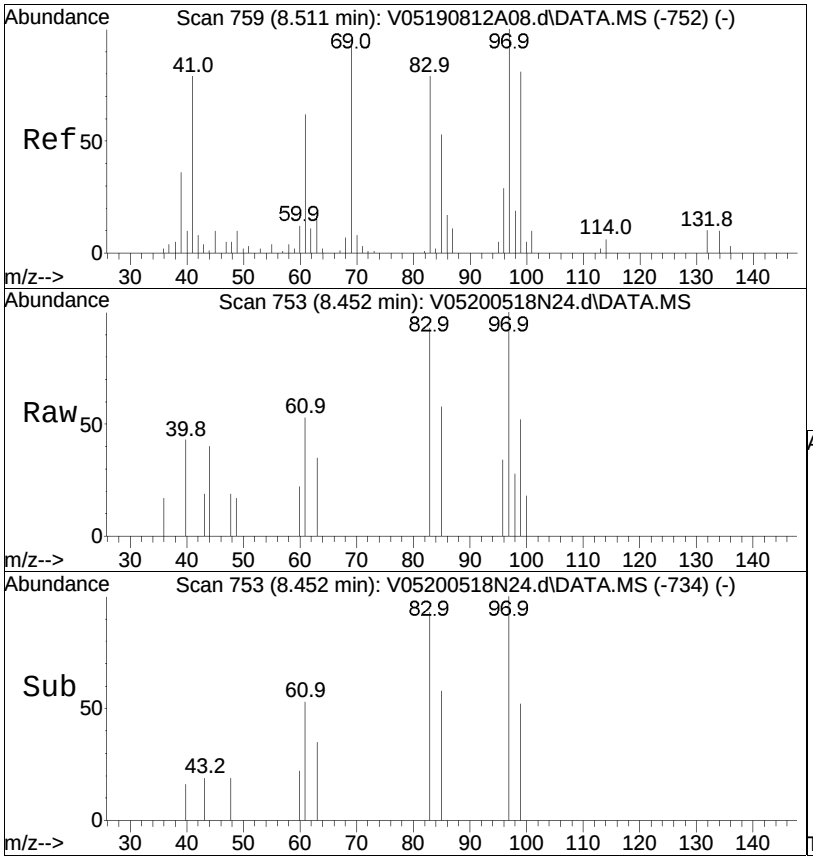


#63
Tetrachloroethene
Concen: 7.48 ug/L
RT: 8.217 min Scan# 729
Delta R.T. -0.010 min
Lab File: V05200518N24.d
Acq: 19 May 2020 3:00 am

Tgt Ion:166 Resp: 206834

Ion	Ratio	Lower	Upper
166	100		
168	48.1	30.2	70.2
94	44.8	32.5	72.5

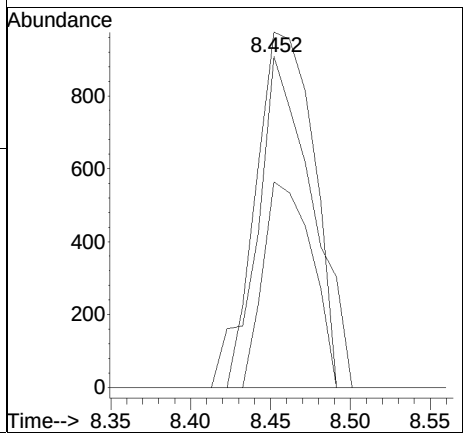




#68
1,1,2-Trichloroethane
Concen: 0.17 ug/L
RT: 8.452 min Scan# 753
Delta R.T. -0.010 min
Lab File: V05200518N24.d
Acq: 19 May 2020 3:00 am

Tgt Ion: 83 Resp: 2191

Ion	Ratio	Lower	Upper
83	100		
97	109.5	102.2	142.2
85	54.7	47.5	87.5



Manual Integration Report

Data Path	: I:\VOLATILES\VOA105\2020\2	QMethod	: V105_200313N_8260.m
Data File	: V05200518N24.d	Operator	: VOA105:NLK
Date Inj'd	: 5/19/2020 3:00 am	Instrument	: VOA 105
Sample	: l2020006-07D,31,4,10,,a	Quant Date	: 5/19/2020 9:17 am

There are no manual integrations or false positives in this file.

LSC Area Percent Report

Data Path : I:\VOLATILES\VOA105\2020\200518N\
Data File : V05200518N24.d
Acq On : 19 May 2020 3:00 am
Operator : VOA105:NLK
Sample : l2020006-07D,31,4,10,,a
Misc : WG1372229,ICAL16595
ALS Vial : 24 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : I:\VOLATILES\VOA105\2020\200518N\V105_200313N_8260.m
Title : VOLATILES BY GC/MS

Signal : TIC: V05200518N24.d\DATA.MS

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.205	414	421	433	rBV	5028243	12205069	82.42%	29.323%
2	5.352	433	436	470	rVV	143816	530756	3.58%	1.275%
3	5.762	472	478	495	rVB	362017	845935	5.71%	2.032%
4	6.036	499	506	517	rBV	959547	2123040	14.34%	5.101%
5	6.212	517	524	561	rVB	6199995	14807616	100.00%	35.576%
6	7.719	669	678	710	rBV	1171000	2680234	18.10%	6.439%
7	8.217	721	729	749	rBV	487179	1176251	7.94%	2.826%
8	9.559	855	864	889	rBV	1045538	2472232	16.70%	5.940%
9	11.048	1009	1016	1040	rBV	968420	2093087	14.14%	5.029%
10	12.253	1133	1139	1156	rBV	1469837	2688496	18.16%	6.459%

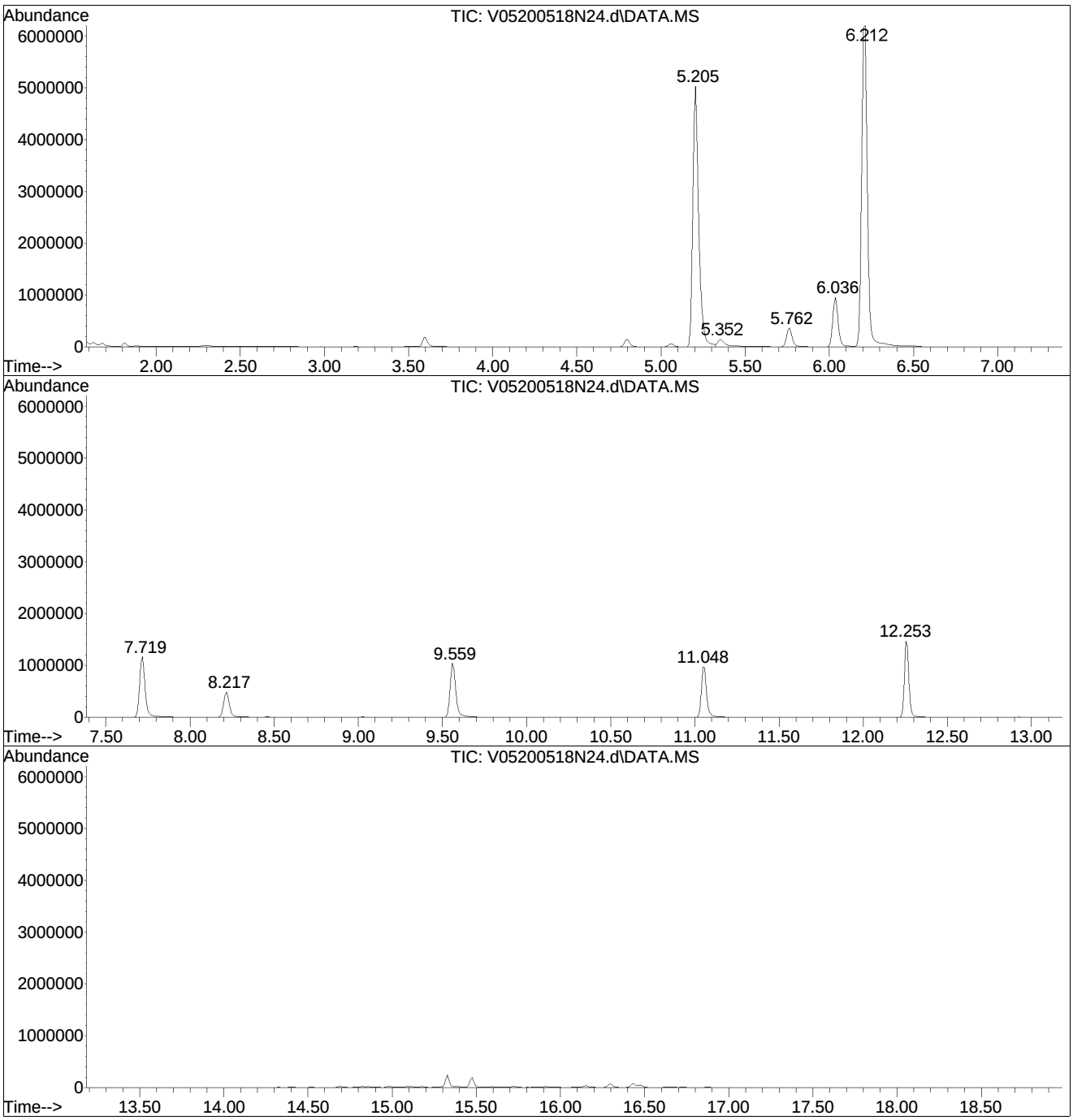
Sum of corrected areas: 41622716

LSC Report - Integrated Chromatogram

Data Path : I:\VOLATILES\VOA105\2020\200518N\
Data File : V05200518N24.d
Acq On : 19 May 2020 3:00 am
Operator : VOA105:NLK
Sample : l2020006-07D,31,4,10,,a
Misc : WG1372229,ICAL16595
ALS Vial : 24 Sample Multiplier: 1

Quant Method : I:\VOLATILES\VOA105\2020\200518N\V105_200313N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p



Library Search Compound Report

Data Path : I:\VOLATILES\VOA105\2020\200518N\
Data File : V05200518N24.d
Acq On : 19 May 2020 3:00 am
Operator : VOA105:NLK
Sample : l2020006-07D,31,4,10,,a
Misc : WG1372229,ICAL16595
ALS Vial : 24 Sample Multiplier: 1

Quant Method : I:\VOLATILES\VOA105\2020\200518N\V105_200313N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : I:\VOLATILES\VOA105\2020\200518N\
Data File : V05200518N24.d
Acq On : 19 May 2020 3:00 am
Operator : VOA105:NLK
Sample : l2020006-07D,31,4,10,,a
Misc : WG1372229,ICAL16595
ALS Vial : 24 Sample Multiplier: 1

Quant Method : I:\VOLATILES\VOA105\2020\200518N\V105_200313N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

						Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2020\200518N\
Data File : V05200518N25.d
Acq On : 19 May 2020 3:24 am
Operator : VOA105:NLK
Sample : l2020006-09D,31,0.500,10,,a
Misc : WG1372229,ICAL16595
ALS Vial : 25 Sample Multiplier: 1

Quant Time: May 19 09:56:14 2020
Quant Method : I:\VOLATILES\VOA105\2020\200518N\V105_200313N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Mar 15 01:23:14 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2020\200518N\V05200518N01.d
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.036	96	989092	10.000	ug/L	0.00
Standard Area 1 = 1103307			Recovery = 89.65%			
59) Chlorobenzene-d5	9.559	117	794475	10.000	ug/L	-0.01
Standard Area 1 = 869831			Recovery = 91.34%			
79) 1,4-Dichlorobenzene-d4	12.253	152	422026	10.000	ug/L	-0.01
Standard Area 1 = 540562			Recovery = 78.07%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.234	113	297374	11.231	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 112.31%			
43) 1,2-Dichloroethane-d4	5.762	65	318784	11.234	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 112.34%			
60) Toluene-d8	7.719	98	971125	9.661	ug/L	-0.01
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.61%			
83) 4-Bromofluorobenzene	11.048	95	400042	10.074	ug/L	-0.01
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.74%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	0.000		0	N.D. d		
4) Vinyl chloride	1.938	62	29825	1.176	ug/L	100
5) Bromomethane	2.251	94	360	N.D.		
6) Chloroethane	0.000		0	N.D. d		
7) Trichlorofluoromethane	0.000		0	N.D.		
10) 1,1-Dichloroethene	2.985	96	13599	0.719	ug/L	96
11) Carbon disulfide	3.004	76	1804	N.D.		
12) Freon-113	0.000		0	N.D.		
15) Methylene chloride	3.552	84	1854	0.089	ug/L	88
17) Acetone	3.601	43	4936	0.644	ug/L	93
18) trans-1,2-Dichloroethene	3.699	96	13421	0.631	ug/L	96
19) Methyl acetate	0.000		0	N.D. d		
20) Methyl tert-butyl ether	3.777	73	631	N.D.		
23) 1,1-Dichloroethane	0.000		0	N.D.		
28) cis-1,2-Dichloroethene	4.794	96	3816602	165.776	ug/L	97
30) Bromochloromethane	0.000		0	N.D.		
31) Cyclohexane	4.970	56	1642	N.D.		
32) Chloroform	5.058	83	1582	N.D.		
34) Carbon tetrachloride	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2020\200518N\
Data File : V05200518N25.d
Acq On : 19 May 2020 3:24 am
Operator : VOA105:NLK
Sample : l2020006-09D,31,0.500,10,,a
Misc : WG1372229,ICAL16595
ALS Vial : 25 Sample Multiplier: 1

Quant Time: May 19 09:56:14 2020
Quant Method : I:\VOLATILES\VOA105\2020\200518N\V105_200313N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Mar 15 01:23:14 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2020\200518N\V05200518N01.d
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1,1,1-Trichloroethane	5.088	97	90	N.D.		
39) 2-Butanone	5.381	43	1908	0.441	ug/L #	29
41) Benzene	5.626	78	2991	N.D.		
44) 1,2-Dichloroethane	5.831	62	874	N.D.		
47) Methyl cyclohexane	6.212	83	2468	N.D.		
48) Trichloroethene	6.212	95	144259	5.896	ug/L	95
51) 1,2-Dichloropropane	0.000		0	N.D.		
54) Bromodichloromethane	0.000		0	N.D.		
57) 1,4-Dioxane	0.000		0	N.D.		
58) cis-1,3-Dichloropropene	0.000		0	N.D.		
61) Toluene	7.777	92	3034	N.D.		
62) 4-Methyl-2-pentanone	0.000		0	N.D.		
63) Tetrachloroethene	8.217	166	1149	N.D.		
65) trans-1,3-Dichloropropene	0.000		0	N.D.		
68) 1,1,2-Trichloroethane	0.000		0	N.D.		
69) Chlorodibromomethane	0.000		0	N.D.		
71) 1,2-Dibromoethane	0.000		0	N.D.		
72) 2-Hexanone	0.000		0	N.D.		
73) Chlorobenzene	0.000		0	N.D.		
74) Ethylbenzene	9.627	91	569	N.D.		
76) p/m Xylene	0.000		0	N.D.		
77) o Xylene	0.000		0	N.D.		
78) Styrene	0.000		0	N.D.		
80) Bromoform	0.000		0	N.D.		
82) Isopropylbenzene	0.000		0	N.D.		
87) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
100) 1,3-Dichlorobenzene	12.272	146	434	N.D.		
101) 1,4-Dichlorobenzene	12.272	146	434	N.D.		
104) 1,2-Dichlorobenzene	0.000		0	N.D.		
106) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
109) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
111) 1,2,3-Trichlorobenzene	14.565	180	90	N.D.		

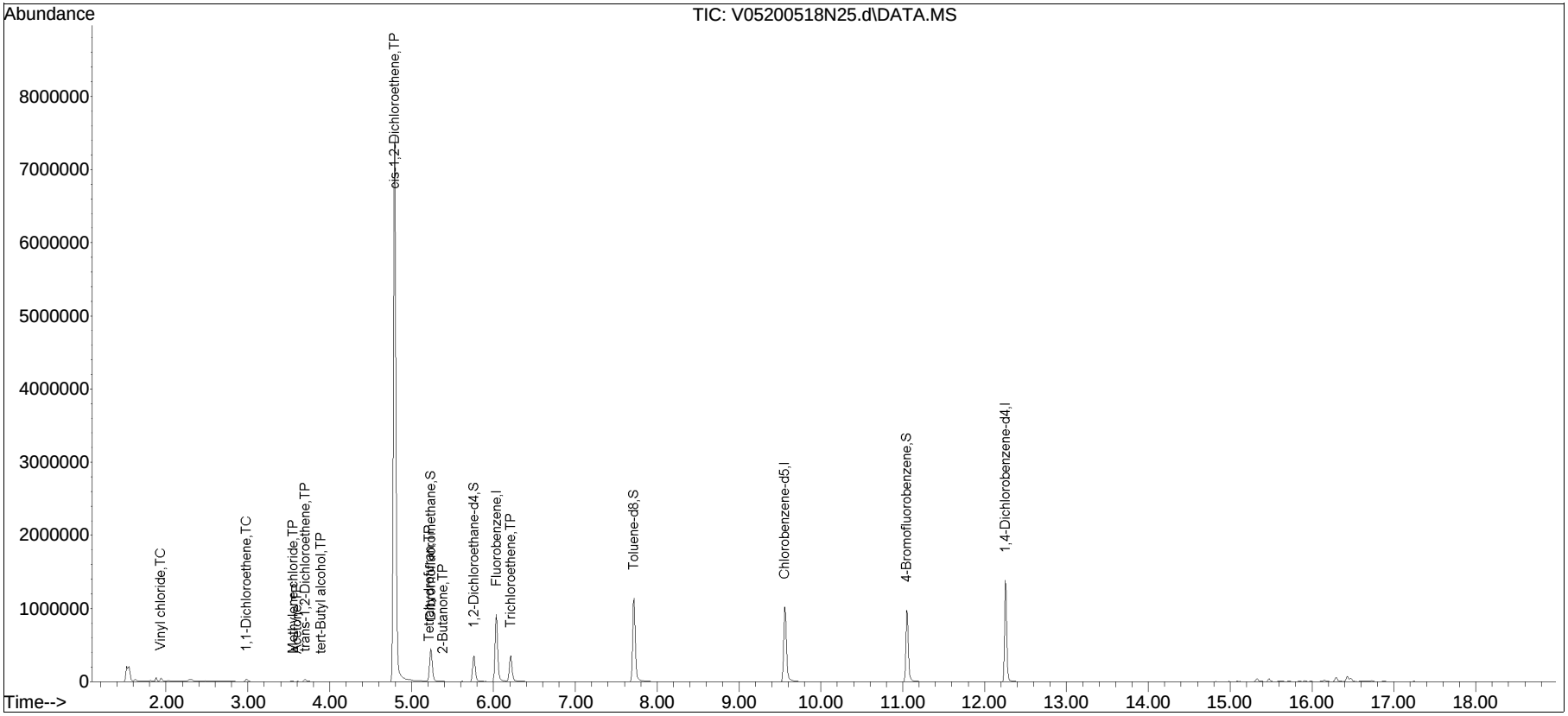
(#) = qualifier out of range (m) = manual integration (+) = signals summed

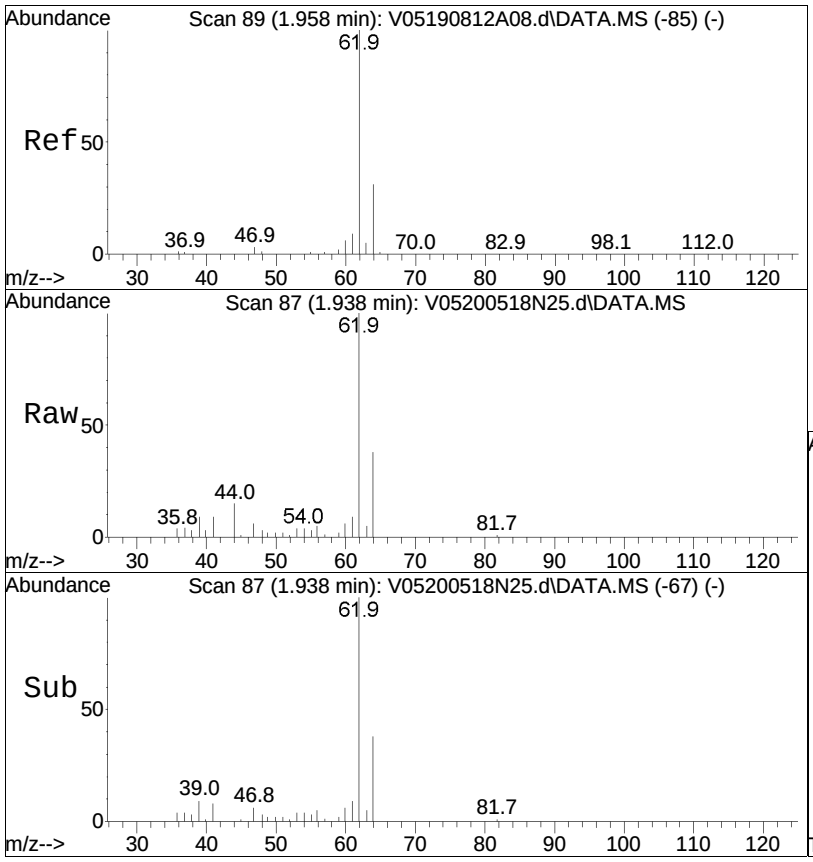
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2020\200518N\
Data File : V05200518N25.d
Acq On : 19 May 2020 3:24 am
Operator : VOA105:NLK
Sample : l2020006-09D,31,0.500,10,,a
Misc : WG1372229,ICAL16595
ALS Vial : 25 Sample Multiplier: 1

Quant Time: May 19 09:56:14 2020
Quant Method : I:\VOLATILES\VOA105\2020\200518N\V105_200313N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Mar 15 01:23:14 2020
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox00518N\V05200518N01.d•

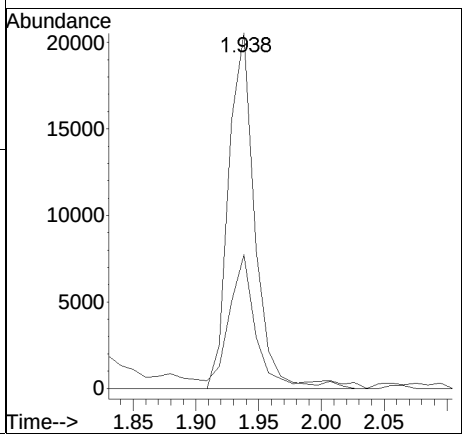


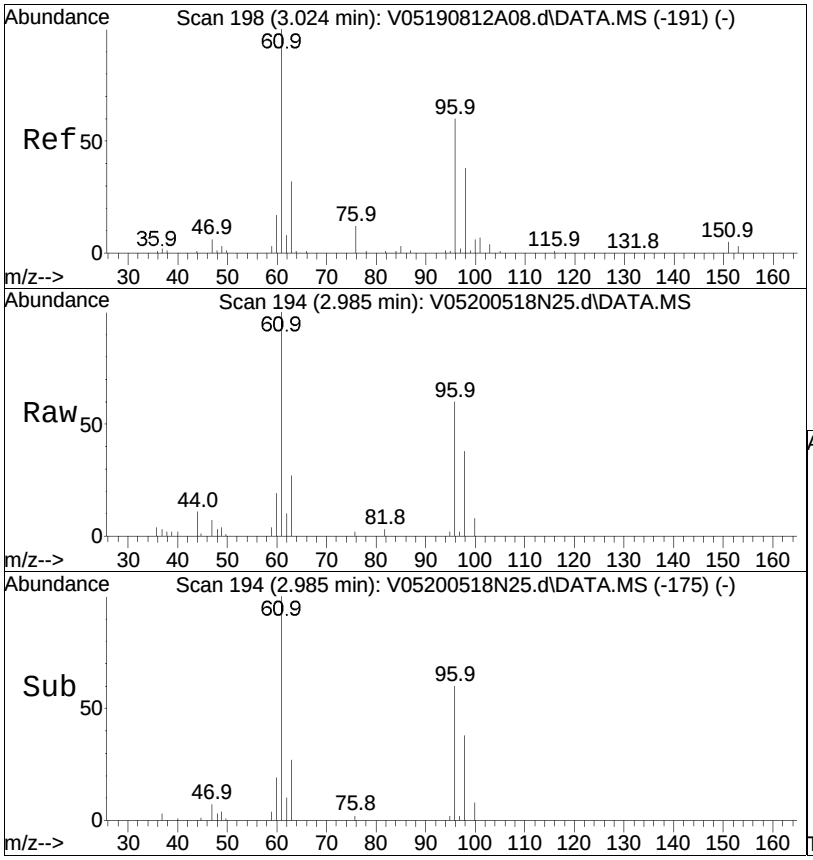


#4
Vinyl chloride
Concen: 1.18 ug/L
RT: 1.938 min Scan# 87
Delta R.T. 0.000 min
Lab File: V05200518N25.d
Acq: 19 May 2020 3:24 am

Tgt Ion: 62 Resp: 29825

Ion	Ratio	Lower	Upper
62	100		
64	33.6	13.5	53.5

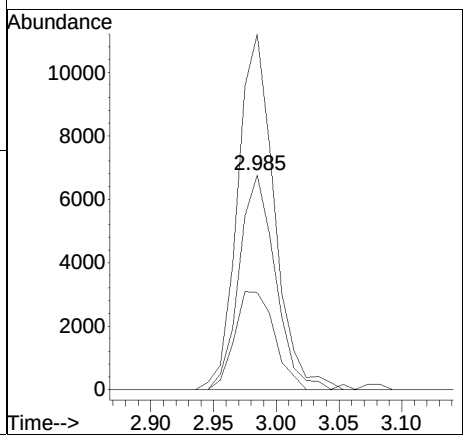


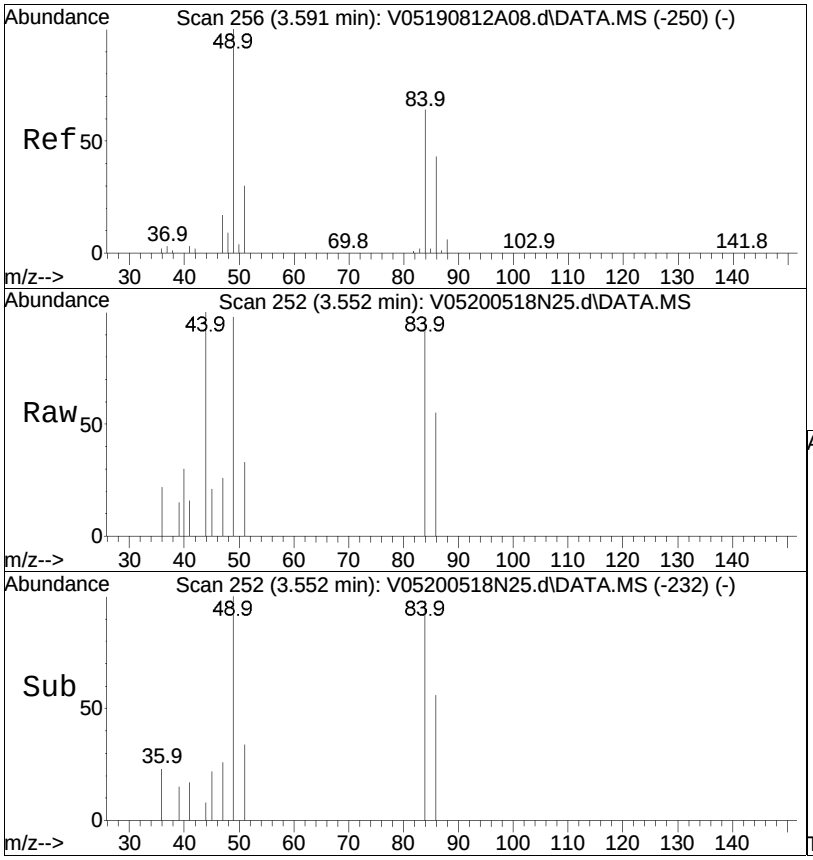


#10
1,1-Dichloroethene
Concen: 0.72 ug/L
RT: 2.985 min Scan# 194
Delta R.T. -0.010 min
Lab File: V05200518N25.d
Acq: 19 May 2020 3:24 am

Tgt Ion: 96 Resp: 13599

Ion	Ratio	Lower	Upper
96	100		
61	166.7	136.7	205.1
63	49.9	45.0	67.6

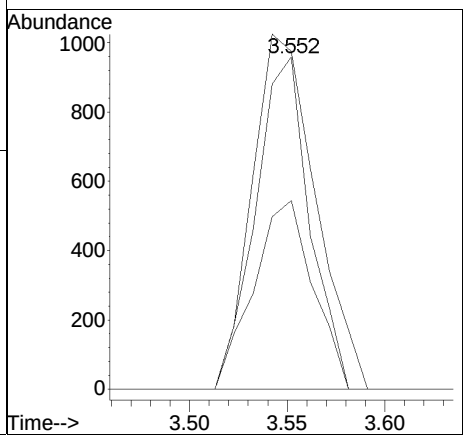


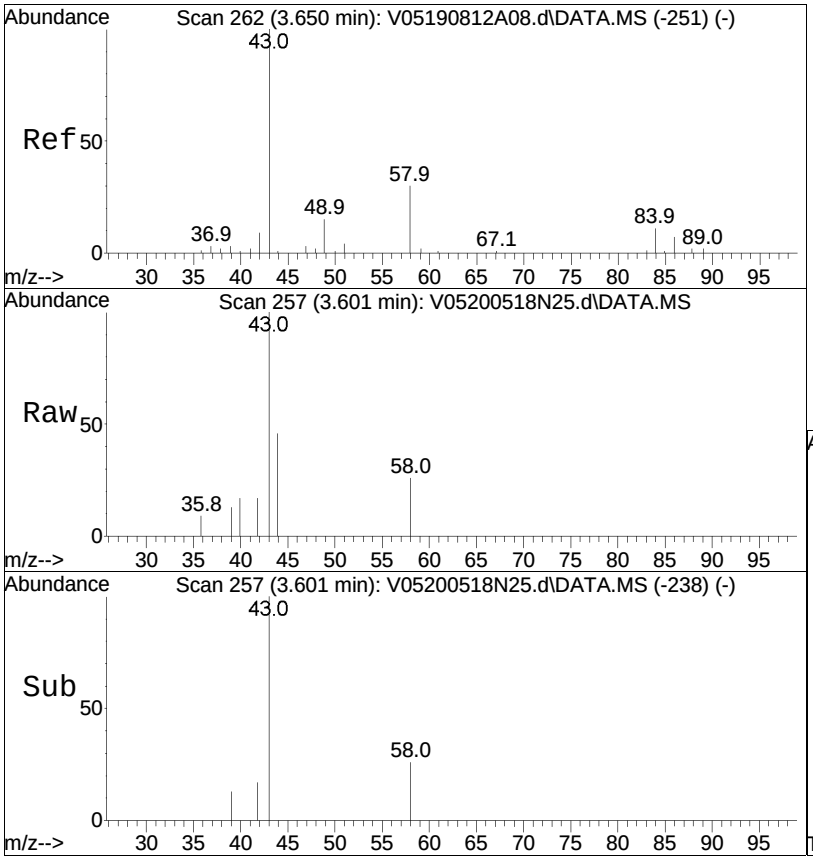


#15
Methylene chloride
Concen: 0.09 ug/L
RT: 3.552 min Scan# 252
Delta R.T. 0.000 min
Lab File: V05200518N25.d
Acq: 19 May 2020 3:24 am

Tgt Ion: 84 Resp: 1854

Ion	Ratio	Lower	Upper
84	100		
86	62.4	42.1	87.5
49	125.0	69.3	143.9

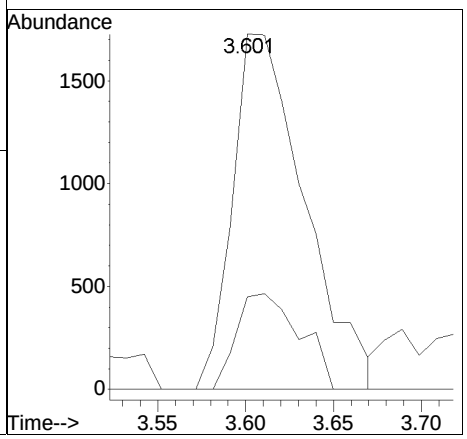


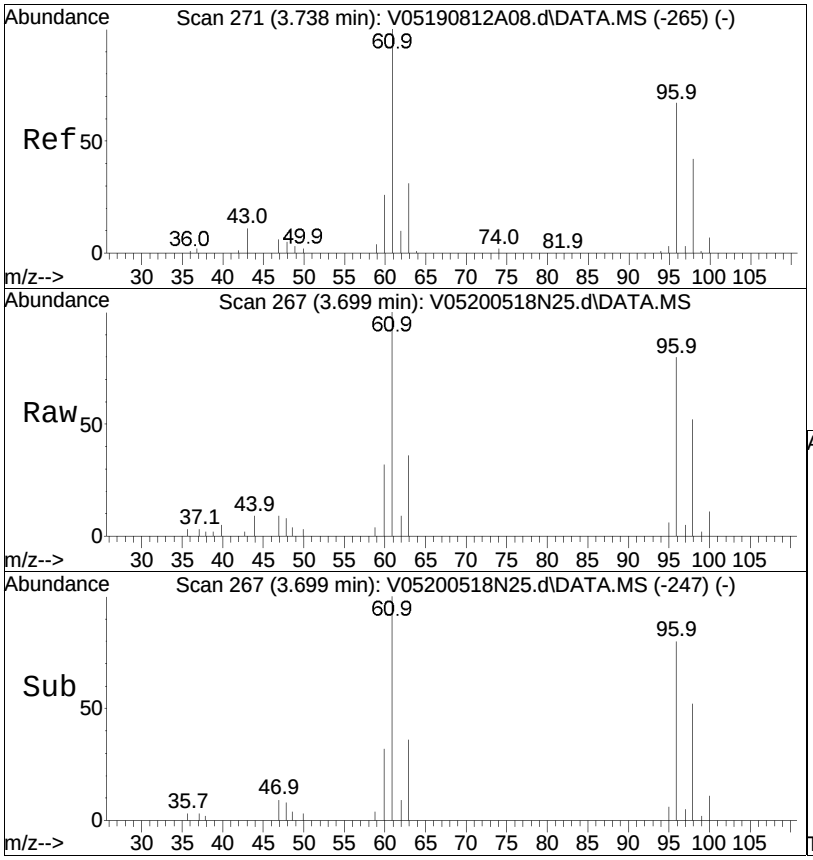


#17
Acetone
Concen: 0.64 ug/L
RT: 3.601 min Scan# 257
Delta R.T. -0.010 min
Lab File: V05200518N25.d
Acq: 19 May 2020 3:24 am

Tgt Ion: 43 Resp: 4936

Ion	Ratio	Lower	Upper
43	100		
58	23.8	22.0	33.0

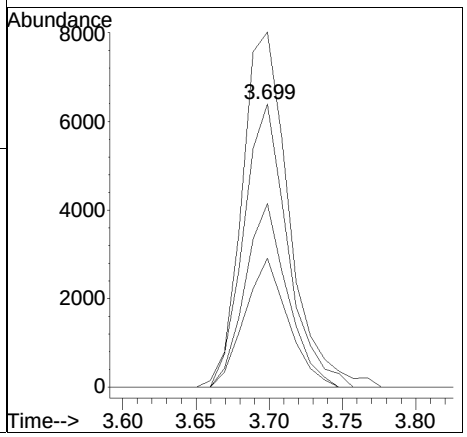


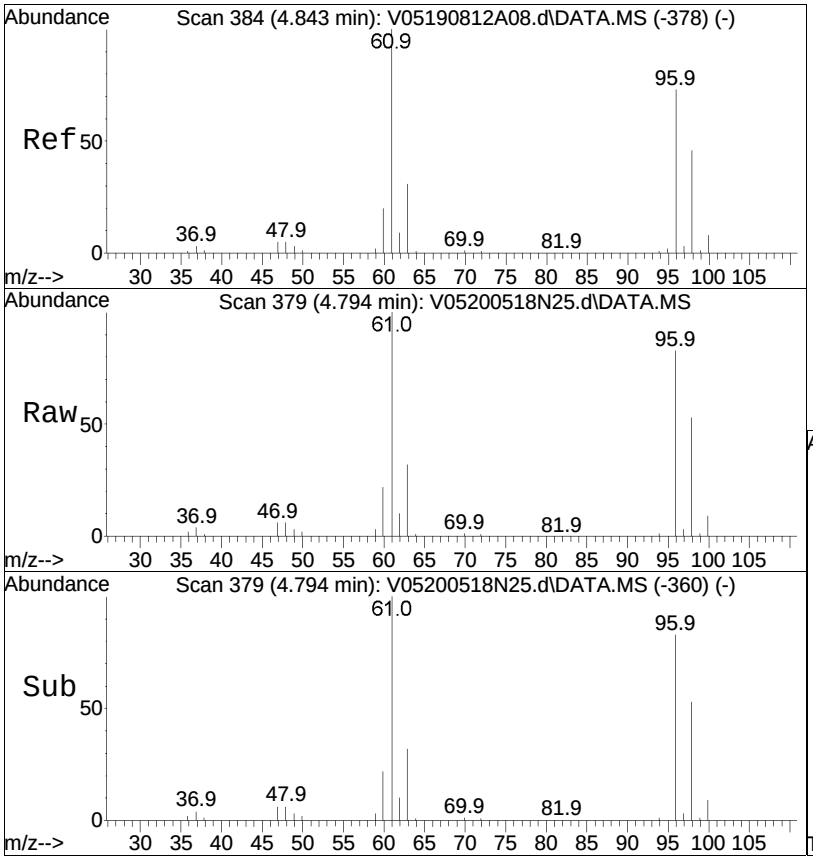


#18
trans-1,2-Dichloroethene
Concen: 0.63 ug/L
RT: 3.699 min Scan# 267
Delta R.T. -0.000 min
Lab File: V05200518N25.d
Acq: 19 May 2020 3:24 am

Tgt Ion: 96 Resp: 13421

Ion	Ratio	Lower	Upper
96	100		
61	133.8	91.7	190.5
98	62.5	41.1	85.5
63	44.9	29.4	61.0

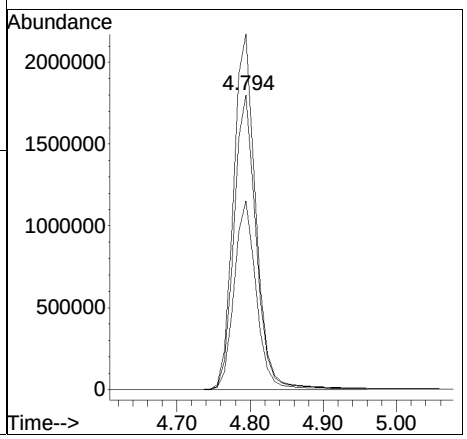


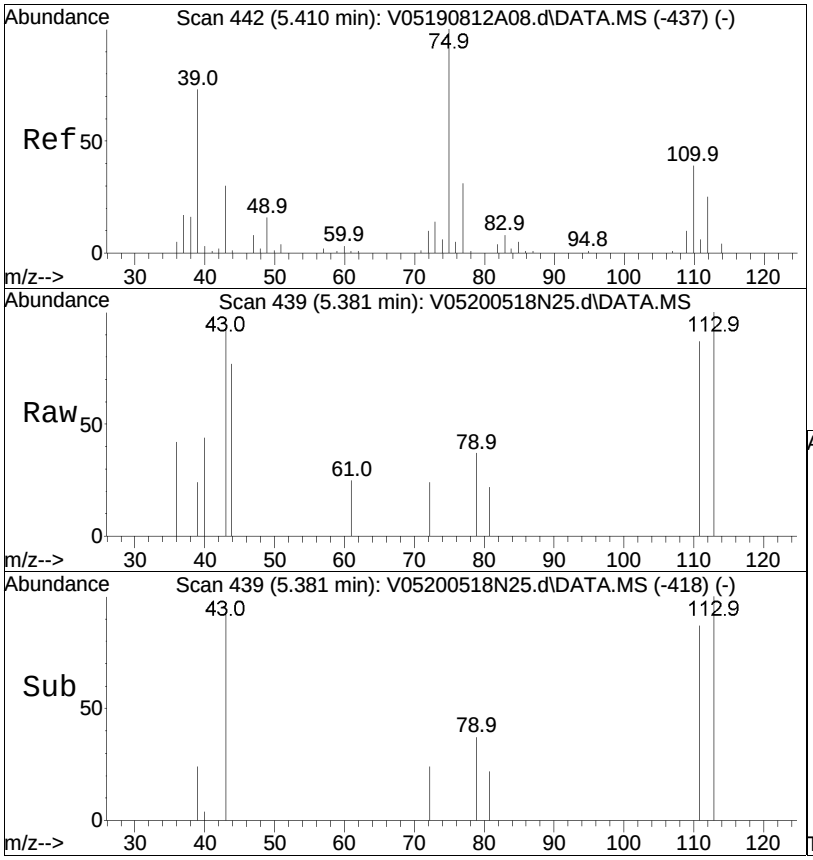


#28
cis-1,2-Dichloroethene
Concen: 165.78 ug/L
RT: 4.794 min Scan# 379
Delta R.T. -0.010 min
Lab File: V05200518N25.d
Acq: 19 May 2020 3:24 am

Tgt Ion: 96 Resp: 3816602

Ion	Ratio	Lower	Upper
96	100		
61	121.4	100.5	150.7
98	63.8	49.8	74.8

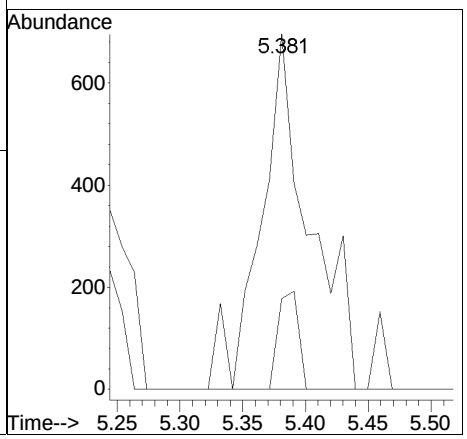


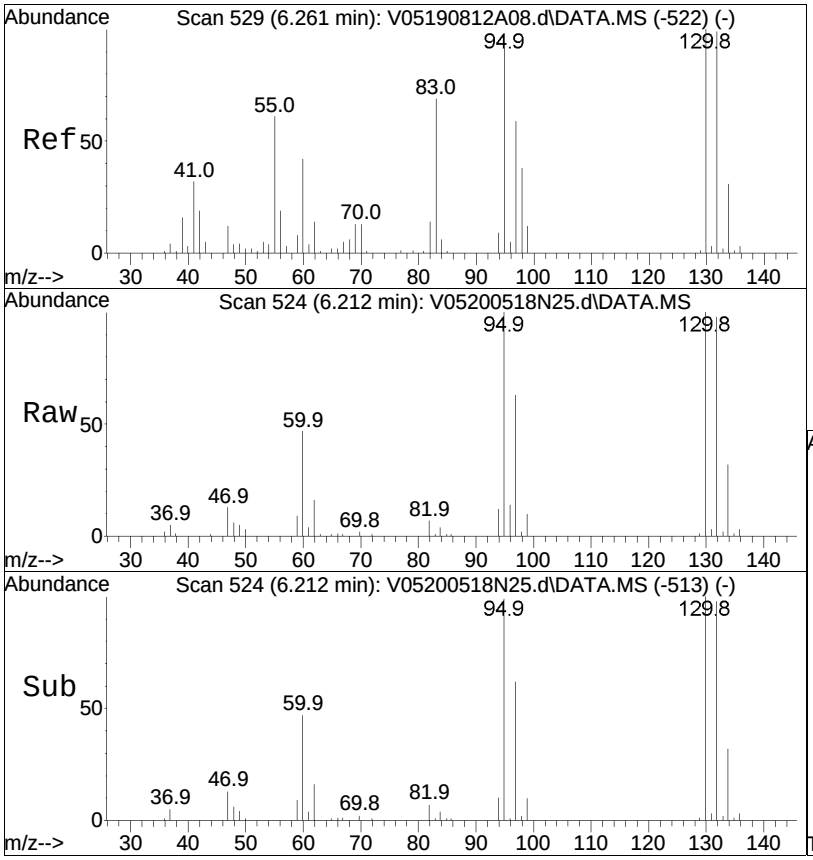


#39
2-Butanone
Concen: 0.44 ug/L
RT: 5.381 min Scan# 439
Delta R.T. 0.010 min
Lab File: V05200518N25.d
Acq: 19 May 2020 3:24 am

Tgt Ion: 43 Resp: 1908

Ion	Ratio	Lower	Upper
43	100		
72	11.4	55.6	83.4#

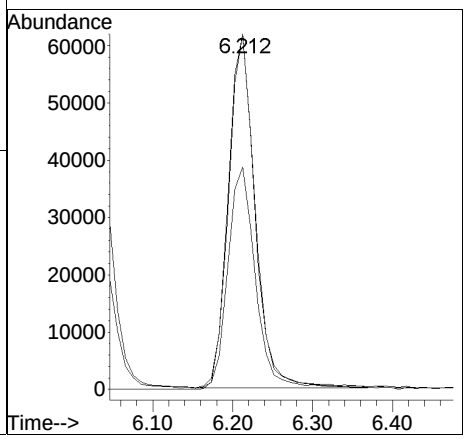




#48
Trichloroethene
Concen: 5.90 ug/L
RT: 6.212 min Scan# 524
Delta R.T. -0.010 min
Lab File: V05200518N25.d
Acq: 19 May 2020 3:24 am

Tgt Ion: 95 Resp: 144259

Ion	Ratio	Lower	Upper
95	100		
97	64.0	56.1	84.1
130	100.9	77.7	116.5



Manual Integration Report

Data Path	: I:\VOLATILES\VOA105\2020\2Q	Method	: V105_200313N_8260.m
Data File	: V05200518N25.d	Operator	: VOA105:NLK
Date Inj'd	: 5/19/2020 3:24 am	Instrument	: VOA 105
Sample	: l2020006-09D,31,0.500,10,,	Quant Date	: 5/19/2020 9:17 am

There are no manual integrations or false positives in this file.

LSC Area Percent Report

Data Path : I:\VOLATILES\VOA105\2020\200518N\
Data File : V05200518N25.d
Acq On : 19 May 2020 3:24 am
Operator : VOA105:NLK
Sample : l2020006-09D,31,0.500,10,,a
Misc : WG1372229,ICAL16595
ALS Vial : 25 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : I:\VOLATILES\VOA105\2020\200518N\V105_200313N_8260.m
Title : VOLATILES BY GC/MS

Signal : TIC: V05200518N25.d\DATA.MS

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.794	369	379	418	rBV	7478389	16183039	100.00%	52.638%
2	5.234	418	424	446	rVB	450613	1082166	6.69%	3.520%
3	5.762	472	478	500	rBV	353982	842271	5.20%	2.740%
4	6.036	500	506	518	rVV	919300	2087720	12.90%	6.791%
5	6.212	518	524	550	rVB	354780	879700	5.44%	2.861%
6	7.719	668	678	709	rBV	1142298	2662027	16.45%	8.659%
7	9.559	857	864	893	rBV	1023310	2418812	14.95%	7.868%
8	11.048	1010	1016	1042	rBV	978501	2046427	12.65%	6.656%
9	12.253	1133	1139	1155	rBV	1384013	2541826	15.71%	8.268%

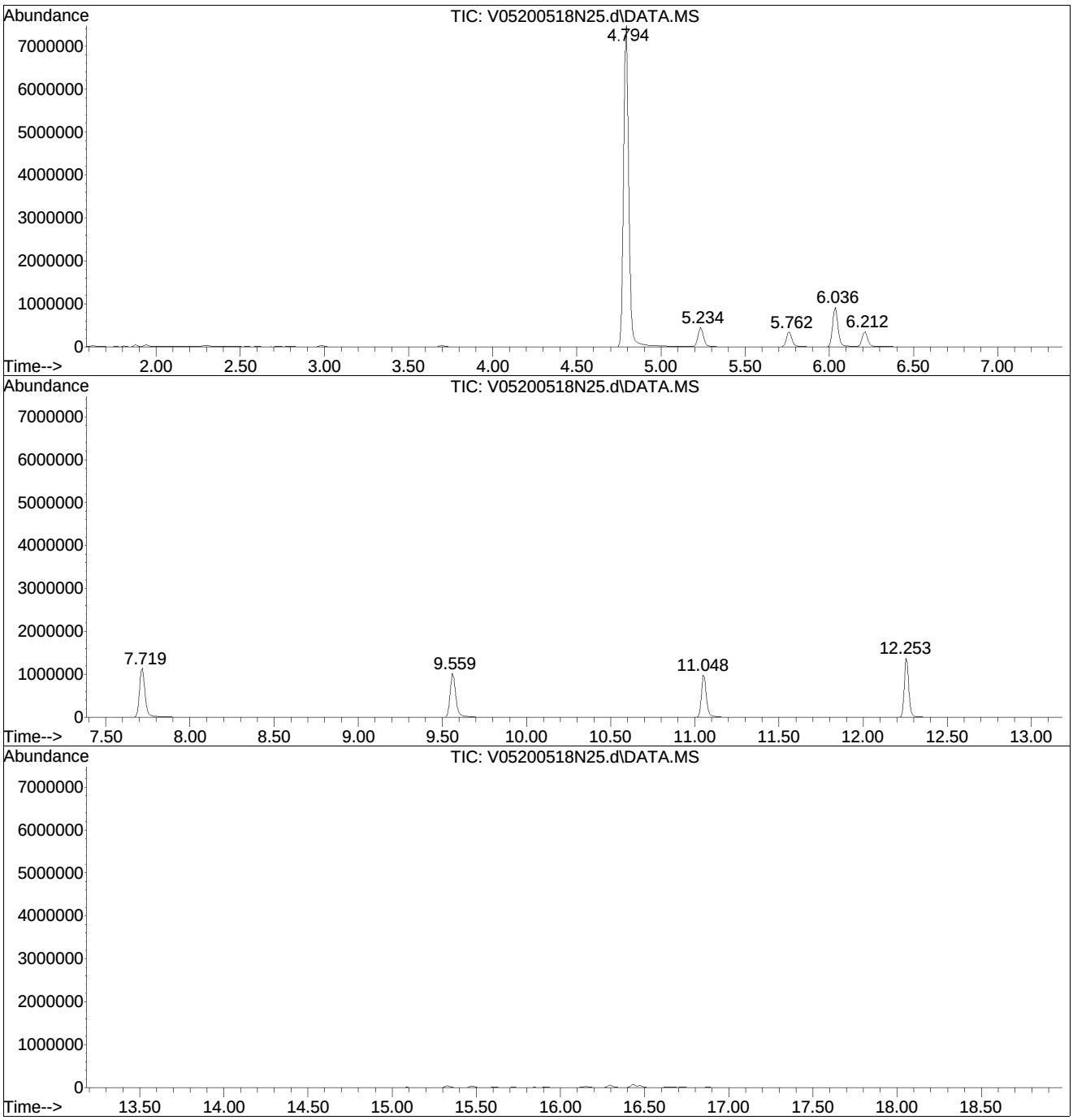
Sum of corrected areas: 30743988

LSC Report - Integrated Chromatogram

Data Path : I:\VOLATILES\VOA105\2020\200518N\
Data File : V05200518N25.d
Acq On : 19 May 2020 3:24 am
Operator : VOA105:NLK
Sample : l2020006-09D,31,0.500,10,,a
Misc : WG1372229,ICAL16595
ALS Vial : 25 Sample Multiplier: 1

Quant Method : I:\VOLATILES\VOA105\2020\200518N\V105_200313N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p



Library Search Compound Report

Data Path : I:\VOLATILES\VOA105\2020\200518N\
Data File : V05200518N25.d
Acq On : 19 May 2020 3:24 am
Operator : VOA105:NLK
Sample : l2020006-09D,31,0.500,10,,a
Misc : WG1372229,ICAL16595
ALS Vial : 25 Sample Multiplier: 1

Quant Method : I:\VOLATILES\VOA105\2020\200518N\V105_200313N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : I:\VOLATILES\VOA105\2020\200518N\
Data File : V05200518N25.d
Acq On : 19 May 2020 3:24 am
Operator : VOA105:NLK
Sample : l2020006-09D,31,0.500,10,,a
Misc : WG1372229,ICAL16595
ALS Vial : 25 Sample Multiplier: 1

Quant Method : I:\VOLATILES\VOA105\2020\200518N\V105_200313N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

						Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Quantitation Report (QT/LSC Reviewed)

Data Path : I:\VOLATILES\Elaine\2020\200519A\
Data File : VE200519A06.D
Acq On : 19 May 2020 10:42 am
Operator : ELAINE:PD
Sample : l2020006-08D,31,5,10,,c
Misc : WG1372327,ICAL16716
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 19 11:04:37 2020
Quant Method : I:\VOLATILES\Elaine\2020\200519A\Elaine_200421N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 22 18:53:41 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2020\200519A\VE200519A02.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.487	96	205703	10.000	ug/L	0.00
Standard Area 1 = 211540			Recovery = 97.24%			
59) Chlorobenzene-d5	8.494	117	154506	10.000	ug/L	0.00
Standard Area 1 = 159928			Recovery = 96.61%			
79) 1,4-Dichlorobenzene-d4	9.986	152	78851	10.000	ug/L	0.00
Standard Area 1 = 80793			Recovery = 97.60%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.499	113	47403	9.700	ug/L	-0.01
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.00%			
43) 1,2-Dichloroethane-d4	5.142	65	54443	9.399	ug/L	-0.01
Spiked Amount 10.000	Range 70 - 130		Recovery = 93.99%			
60) Toluene-d8	7.192	98	203135	9.733	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.33%			
83) 4-Bromofluorobenzene	9.315	95	69318	9.170	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 91.70%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	1.066	50	236	N.D.		
4) Vinyl chloride	1.108	62	425	0.090	ug/L	73
5) Bromomethane	0.000		0	N.D.		
6) Chloroethane	0.000		0	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	1.864	76	940	0.122	ug/L #	76
12) Freon-113	0.000		0	N.D.		
15) Methylene chloride	2.348	84	420	0.108	ug/L	85
17) Acetone	2.407	43	4383	4.676	ug/L	97
18) trans-1,2-Dichloroethene	2.490	96	470	0.138	ug/L #	67
19) Methyl acetate	0.000		0	N.D. d		
20) Methyl tert-butyl ether	0.000		0	N.D.		
23) 1,1-Dichloroethane	0.000		0	N.D.		
28) cis-1,2-Dichloroethene	3.820	96	3992	0.933	ug/L #	70
30) Bromochloromethane	0.000		0	N.D.		
31) Cyclohexane	0.000		0	N.D.		
32) Chloroform	4.249	83	5578	0.845	ug/L	93
34) Carbon tetrachloride	0.000		0	N.D.		

Quantitation Report (QT/LSC Reviewed)

Data Path : I:\VOLATILES\Elaine\2020\200519A\
Data File : VE200519A06.D
Acq On : 19 May 2020 10:42 am
Operator : ELAINE:PD
Sample : l2020006-08D,31,5,10,,c
Misc : WG1372327,ICAL16716
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 19 11:04:37 2020
Quant Method : I:\VOLATILES\Elaine\2020\200519A\Elaine_200421N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 22 18:53:41 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2020\200519A\VE200519A02.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1,1,1-Trichloroethane	0.000		0	N.D.		
39) 2-Butanone	4.699	43	3307M1	2.133	ug/L	
41) Benzene	4.947	78	27	N.D.		
44) 1,2-Dichloroethane	5.209	62	25	N.D.		
47) Methyl cyclohexane	0.000		0	N.D. d		
48) Trichloroethene	5.676	95	106415	26.693	ug/L	89
51) 1,2-Dichloropropane	0.000		0	N.D.		
54) Bromodichloromethane	0.000		0	N.D.		
57) 1,4-Dioxane	0.000		0	N.D.		
58) cis-1,3-Dichloropropene	0.000		0	N.D.		
61) Toluene	7.240	92	252	N.D.		
62) 4-Methyl-2-pentanone	0.000		0	N.D.		
63) Tetrachloroethene	7.596	166	19946	4.643	ug/L	86
65) trans-1,3-Dichloropropene	0.000		0	N.D.		
68) 1,1,2-Trichloroethane	0.000		0	N.D.		
69) Chlorodibromomethane	0.000		0	N.D.		
71) 1,2-Dibromoethane	0.000		0	N.D.		
72) 2-Hexanone	0.000		0	N.D. d		
73) Chlorobenzene	8.508	112	88	N.D.		
74) Ethylbenzene	8.547	91	184	N.D.		
76) p/m Xylene	8.650	106	320	N.D.		
77) o Xylene	8.942	106	164	N.D.		
78) Styrene	8.976	104	284	N.D.		
80) Bromoform	0.000		0	N.D.		
82) Isopropylbenzene	9.151	105	110	N.D.		
87) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
100) 1,3-Dichlorobenzene	9.941	146	170	N.D.		
101) 1,4-Dichlorobenzene	9.994	146	148	N.D.		
104) 1,2-Dichlorobenzene	10.233	146	54	N.D.		
106) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
109) 1,2,4-Trichlorobenzene	11.062	180	106	N.D.		
111) 1,2,3-Trichlorobenzene	11.343	180	26	N.D.		

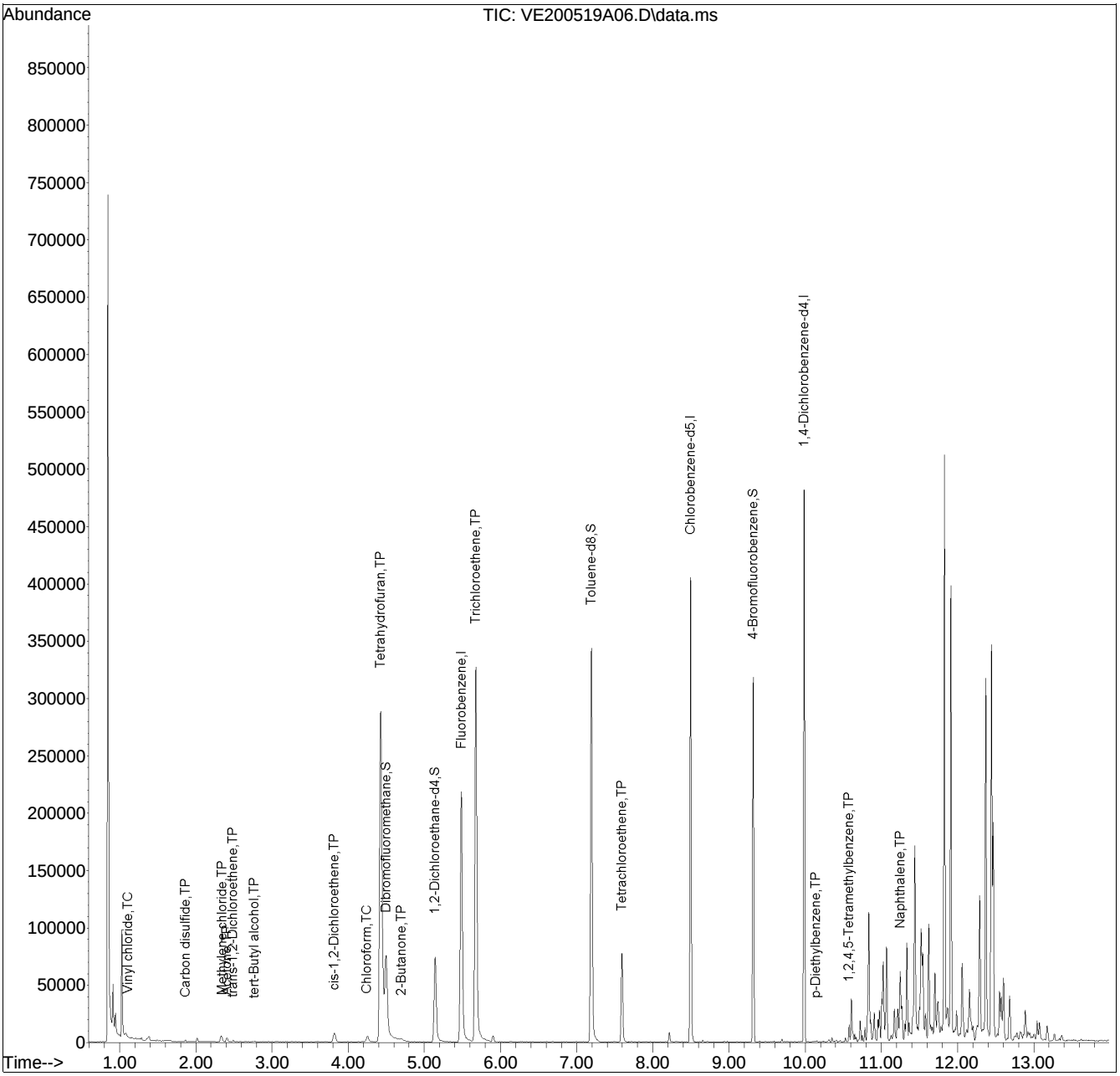
(#) = qualifier out of range (m) = manual integration (+) = signals summed

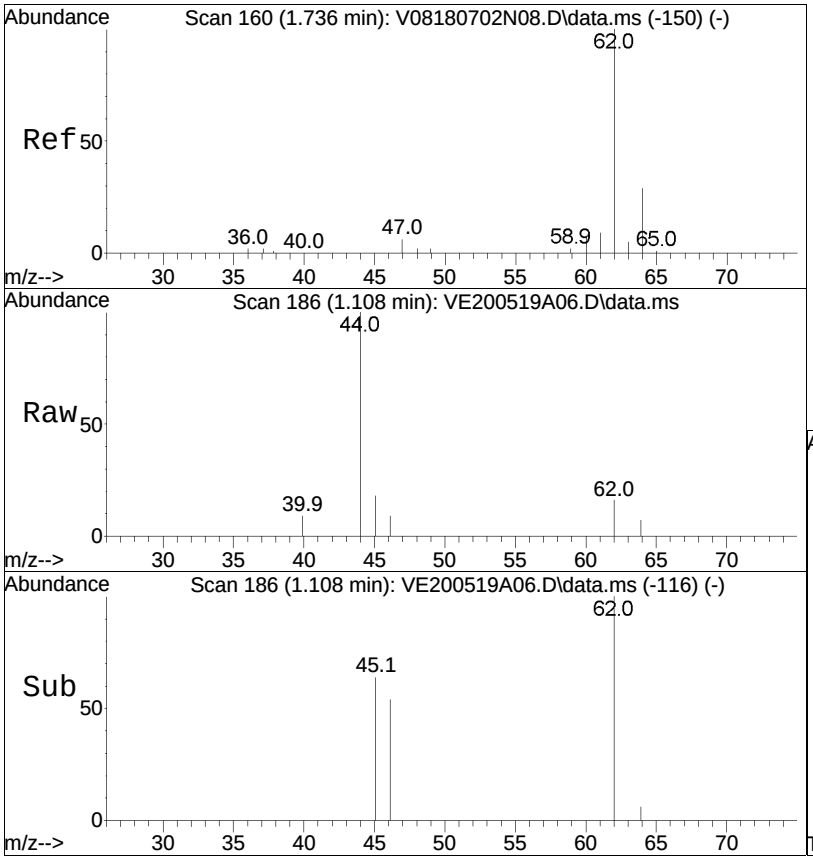
Quantitation Report (QT/LSC Reviewed)

Data Path : I:\VOLATILES\Elaine\2020\200519A\
Data File : VE200519A06.D
Acq On : 19 May 2020 10:42 am
Operator : ELAINE:PD
Sample : l2020006-08D,31,5,10,,c
Misc : WG1372327,ICAL16716
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 19 11:04:37 2020
Quant Method : I:\VOLATILES\Elaine\2020\200519A\Elaine_200421N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 22 18:53:41 2020
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox00519A\VE200519A02.D•

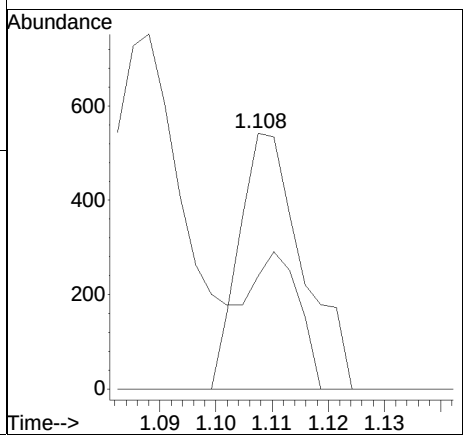


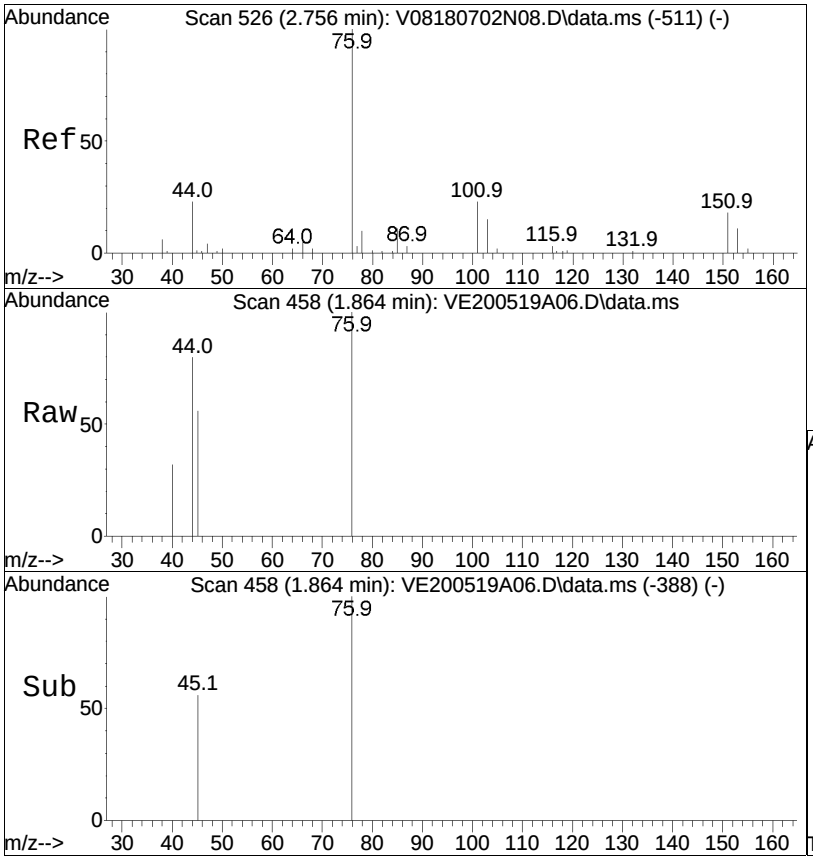


#4
Vinyl chloride
Concen: 0.09 ug/L
RT: 1.108 min Scan# 186
Delta R.T. -0.005 min
Lab File: VE200519A06.D
Acq: 19 May 2020 10:42 am

Tgt Ion: 62 Resp: 425

Ion	Ratio	Lower	Upper
62	100		
64	43.8	9.1	49.1

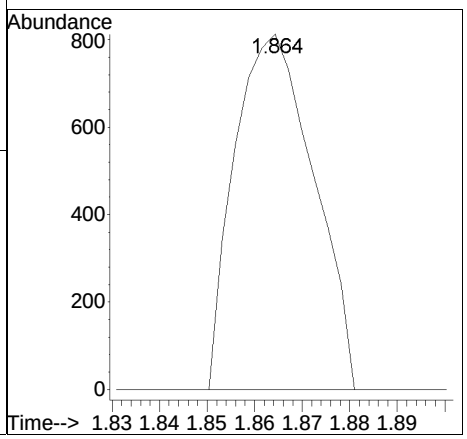


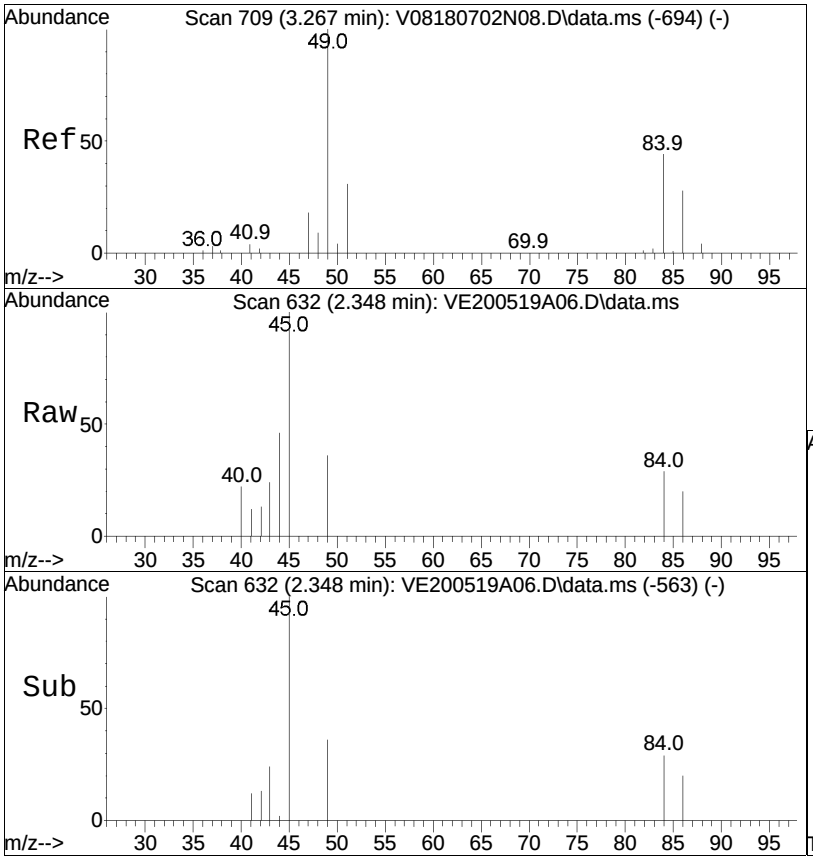


#11
Carbon disulfide
Concen: 0.12 ug/L
RT: 1.864 min Scan# 458
Delta R.T. -0.006 min
Lab File: VE200519A06.D
Acq: 19 May 2020 10:42 am

Tgt Ion: 76 Resp: 940

Ion	Ratio	Lower	Upper
76	100		
78	0.0	5.7	11.7#

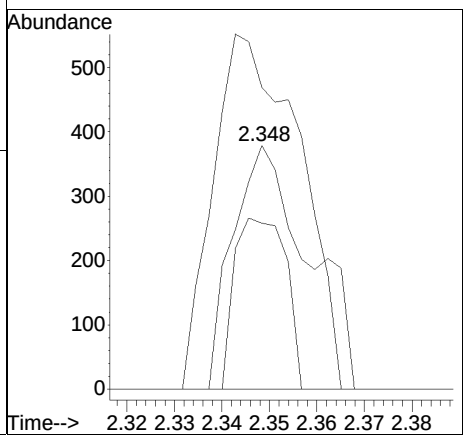


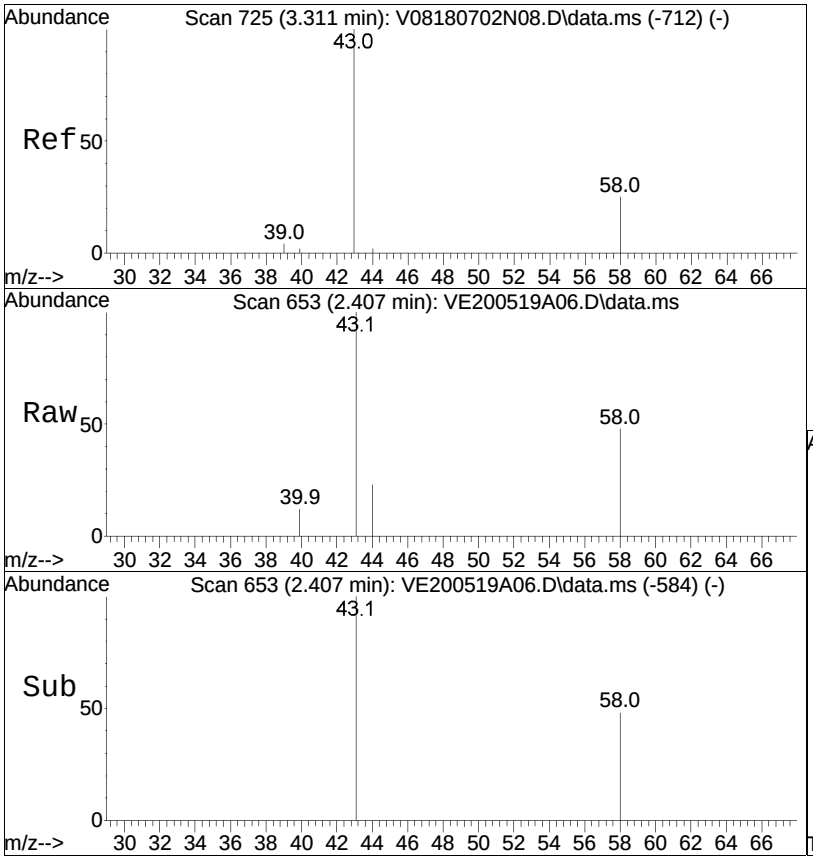


#15
Methylene chloride
Concen: 0.11 ug/L
RT: 2.348 min Scan# 632
Delta R.T. -0.009 min
Lab File: VE200519A06.D
Acq: 19 May 2020 10:42 am

Tgt Ion: 84 Resp: 420

Ion	Ratio	Lower	Upper
84	100		
86	47.6	40.4	83.8
49	165.2	120.0	249.2

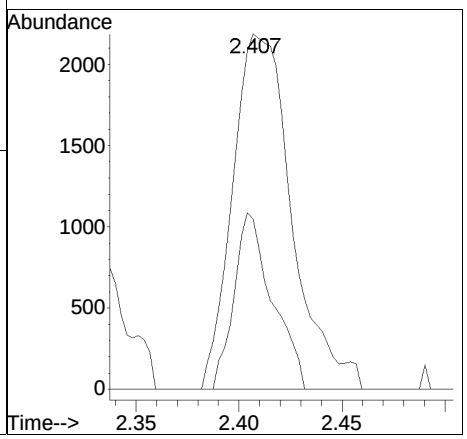


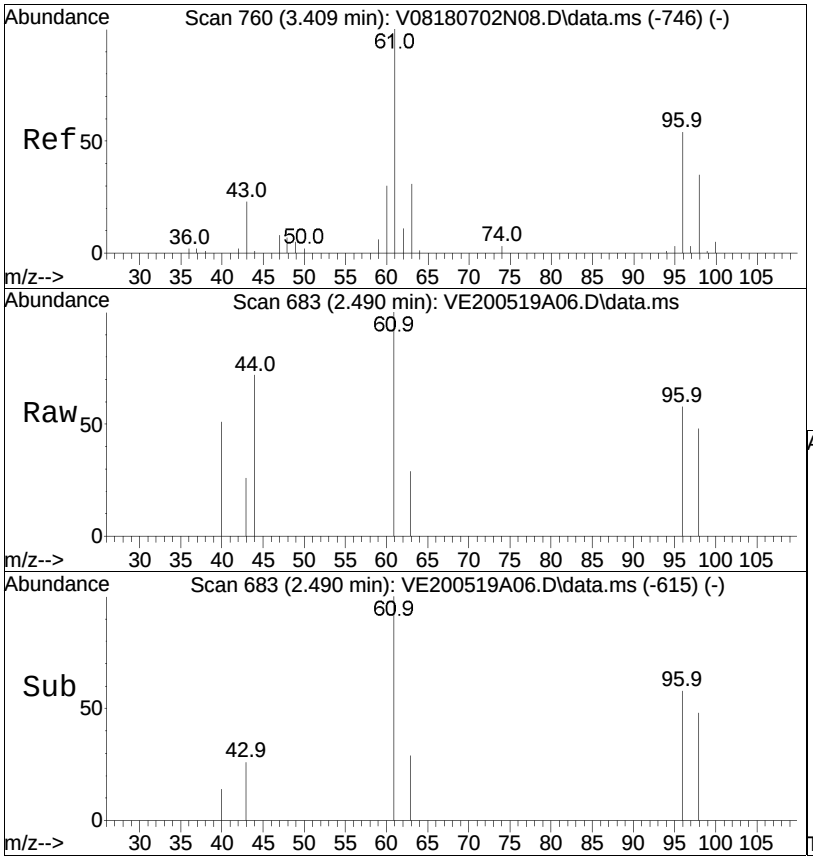


#17
Acetone
Concen: 4.68 ug/L
RT: 2.407 min Scan# 653
Delta R.T. -0.008 min
Lab File: VE200519A06.D
Acq: 19 May 2020 10:42 am

Tgt Ion: 43 Resp: 4383

Ion	Ratio	Lower	Upper
43	100		
58	32.1	24.2	36.4

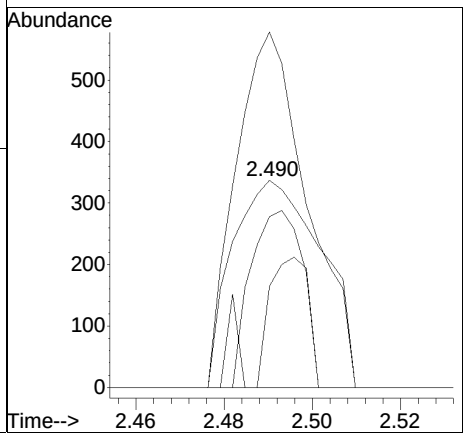


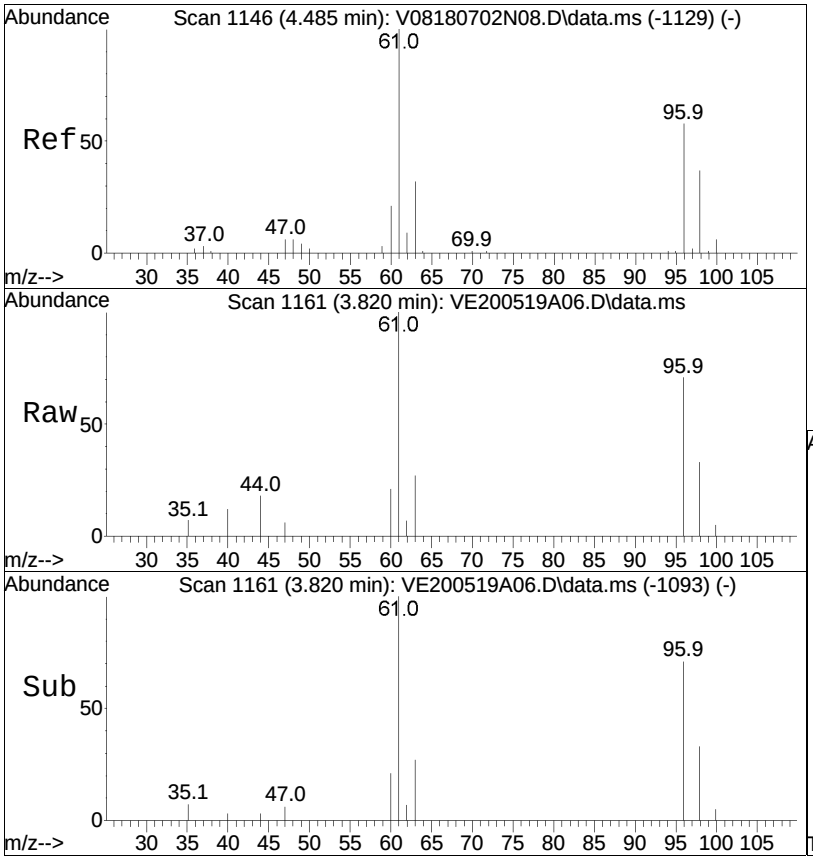


#18
trans-1,2-Dichloroethene
Concen: 0.14 ug/L
RT: 2.490 min Scan# 683
Delta R.T. -0.011 min
Lab File: VE200519A06.D
Acq: 19 May 2020 10:42 am

Tgt Ion: 96 Resp: 470

Ion	Ratio	Lower	Upper
96	100		
61	138.5	124.0	257.6
98	50.0	41.2	85.6
63	27.4	38.4	79.7#

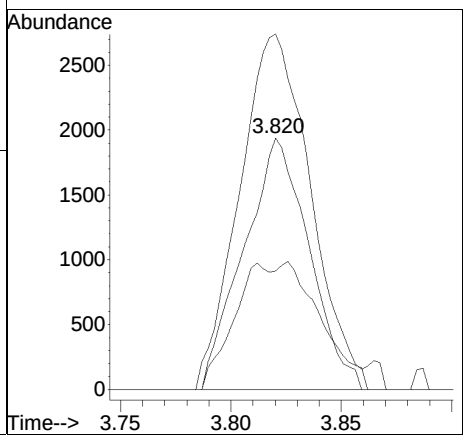


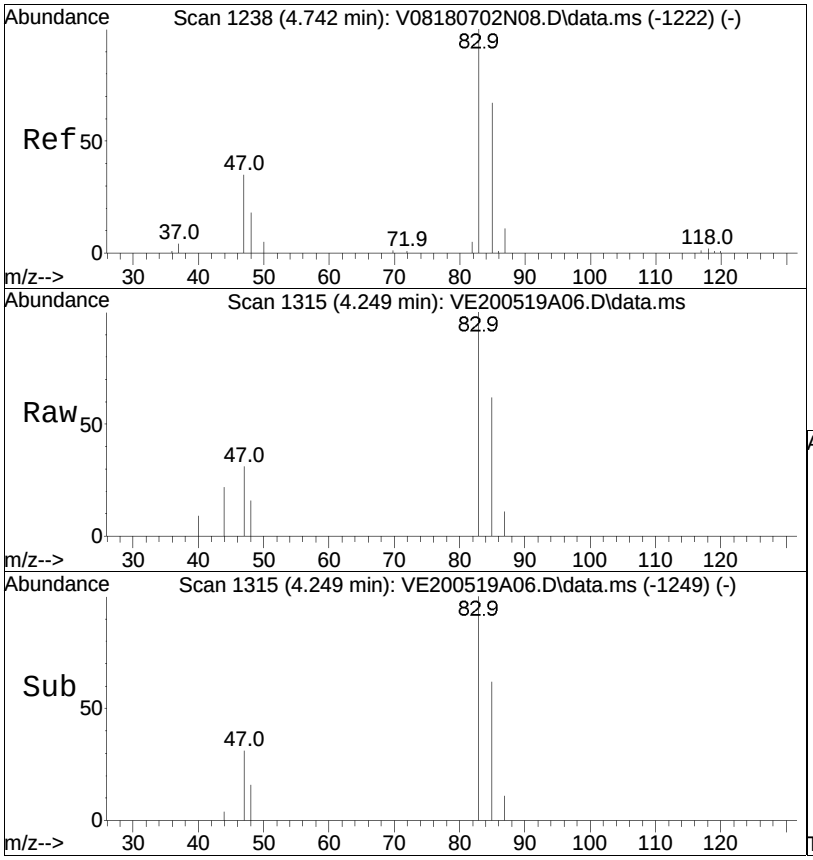


#28
cis-1,2-Dichloroethene
Concen: 0.93 ug/L
RT: 3.820 min Scan# 1161
Delta R.T. -0.011 min
Lab File: VE200519A06.D
Acq: 19 May 2020 10:42 am

Tgt Ion: 96 Resp: 3992

Ion	Ratio	Lower	Upper
96	100		
61	153.5	149.4	224.2
98	28.3	53.4	80.2#

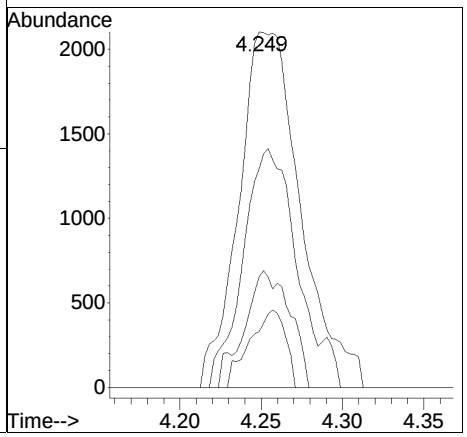


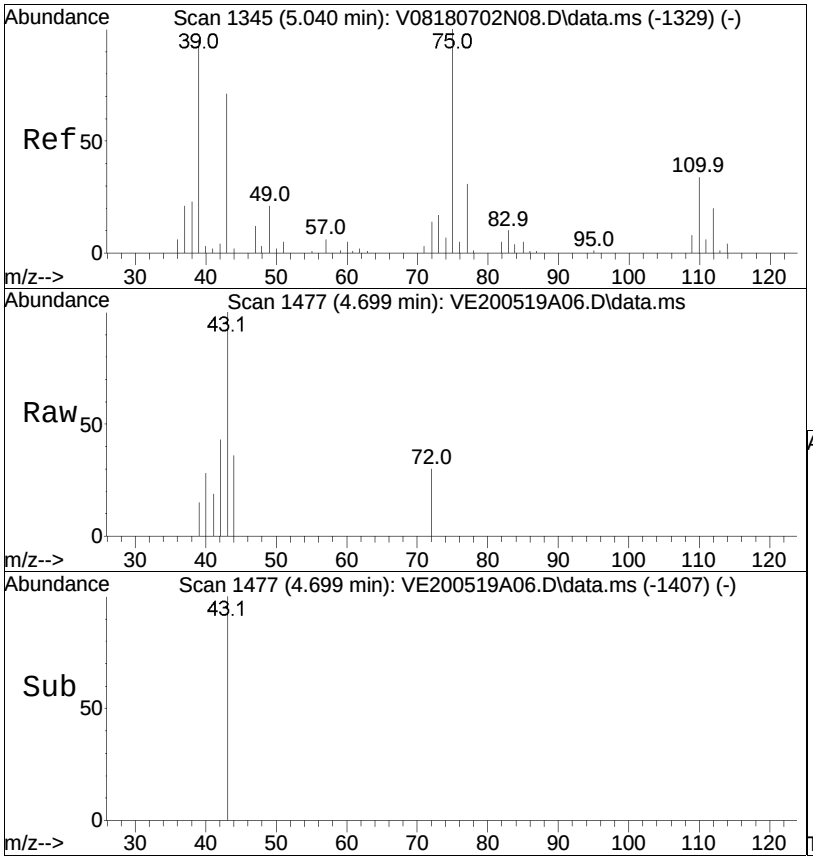


#32
Chloroform
Concen: 0.84 ug/L
RT: 4.249 min Scan# 1315
Delta R.T. -0.016 min
Lab File: VE200519A06.D
Acq: 19 May 2020 10:42 am

Tgt Ion: 83 Resp: 5578

Ion	Ratio	Lower	Upper
83	100		
85	59.0	41.5	86.1
47	24.1	19.0	39.4
48	12.6	9.9	20.5

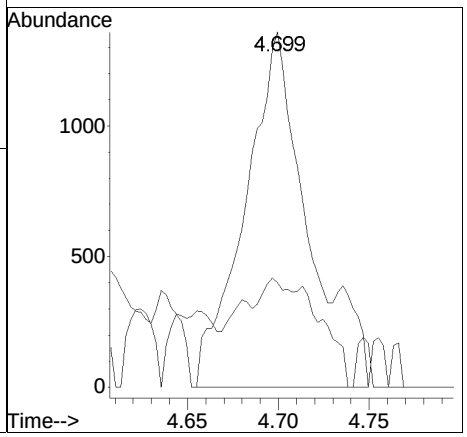


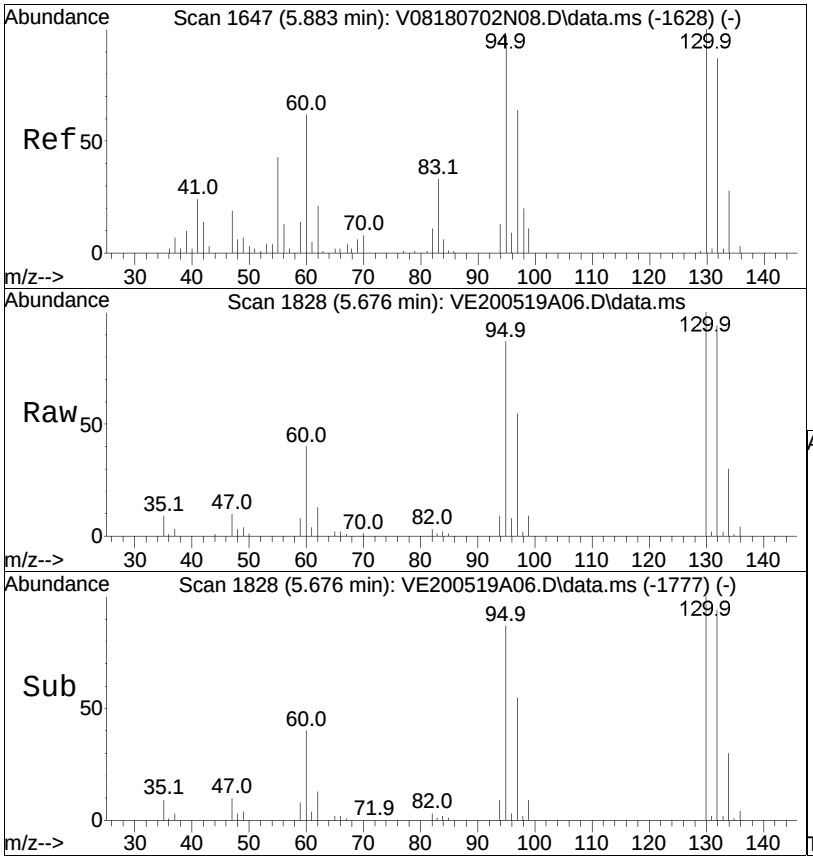


#39
2-Butanone
Concen: 2.13 ug/L M1
RT: 4.699 min Scan# 1477
Delta R.T. -0.006 min
Lab File: VE200519A06.D
Acq: 19 May 2020 10:42 am

Tgt Ion: 43 Resp: 3307

Ion	Ratio	Lower	Upper
43	100		
72	2.8	10.9	16.3#

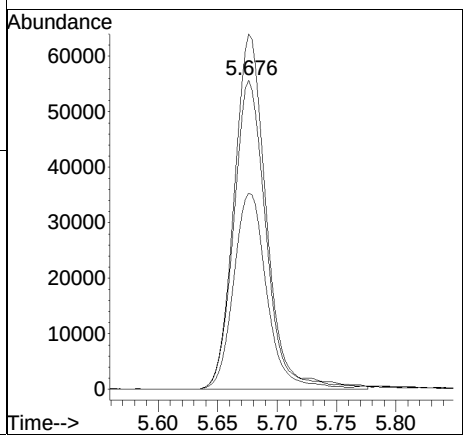


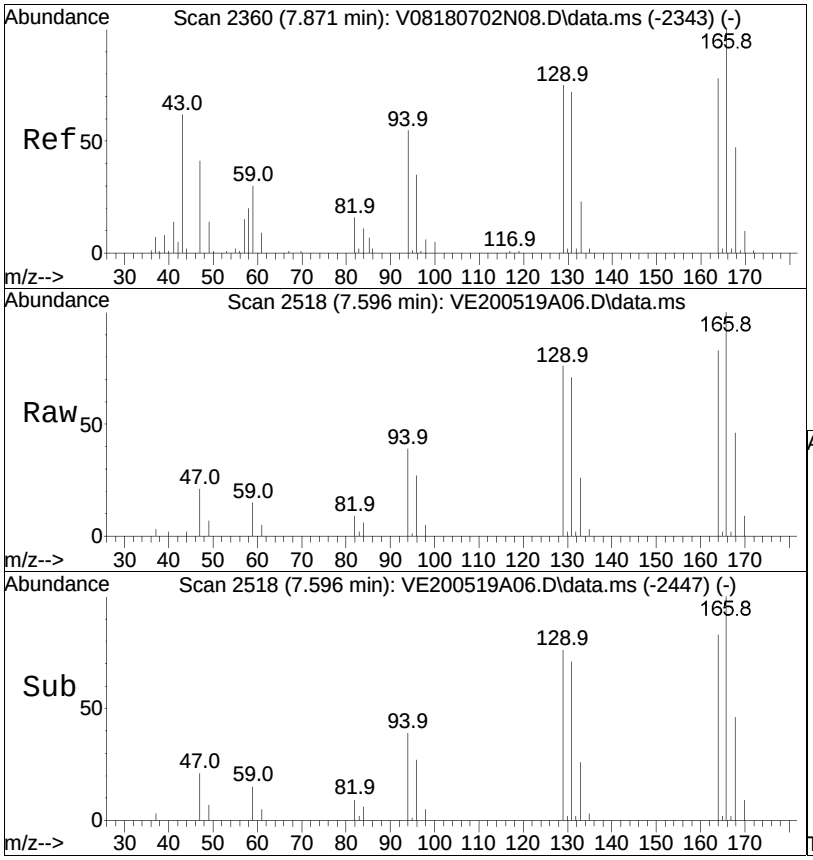


#48
Trichloroethene
Concen: 26.69 ug/L
RT: 5.676 min Scan# 1828
Delta R.T. -0.008 min
Lab File: VE200519A06.D
Acq: 19 May 2020 10:42 am

Tgt Ion: 95 Resp: 106415

Ion	Ratio	Lower	Upper
95	100		
97	64.9	55.5	83.3
130	110.5	76.6	115.0

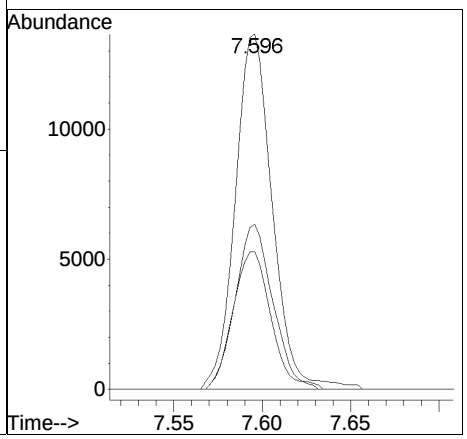




#63
Tetrachloroethene
Concen: 4.64 ug/L
RT: 7.596 min Scan# 2518
Delta R.T. -0.002 min
Lab File: VE200519A06.D
Acq: 19 May 2020 10:42 am

Tgt Ion:166 Resp: 19946

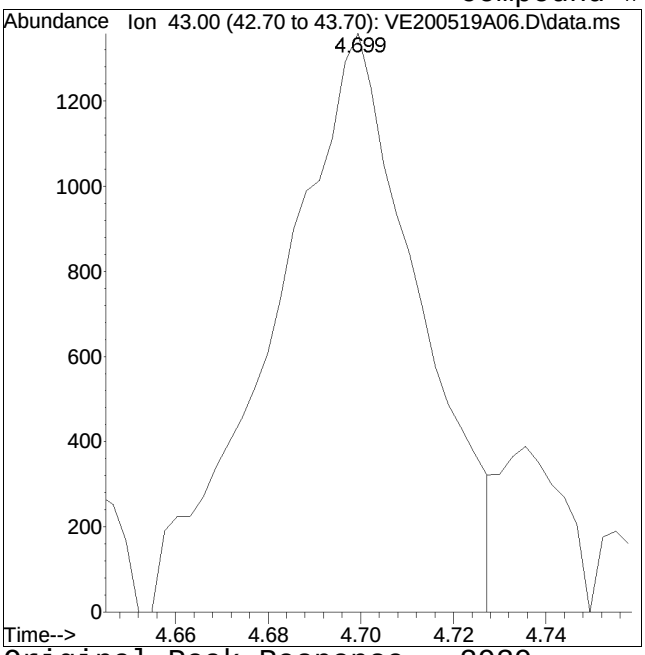
Ion	Ratio	Lower	Upper
166	100		
168	47.1	28.2	68.2
94	39.8	38.4	78.4

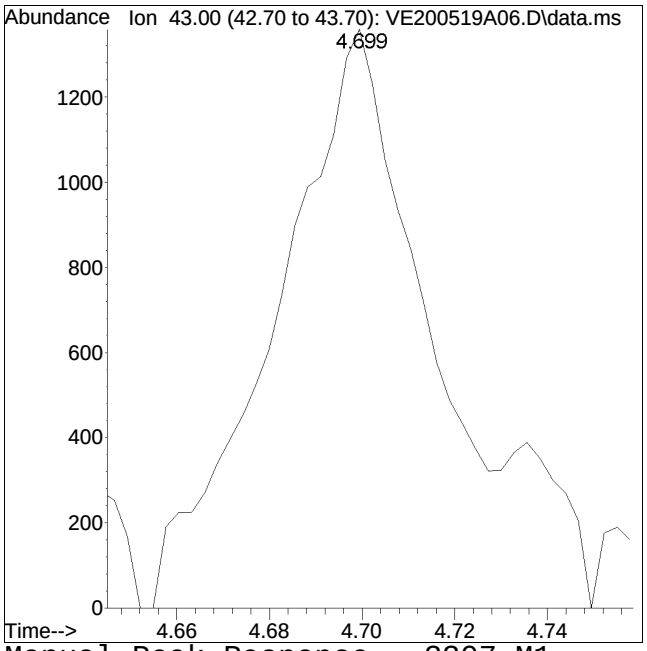


Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200519A06.D Operator : ELAINE:PD
Date Inj'd : 5/19/2020 10:42 am Instrument : Elaine
Sample : l2020006-08D,31,5,10,,c Quant Date : 5/19/2020 11:03 am

Compound #39: 2-Butanone





Original Peak Response = 2939 Manual Peak Response = 3307 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

LSC Area Percent Report

Data Path : I:\VOLATILES\Elaine\2020\200519A\
Data File : VE200519A06.D
Acq On : 19 May 2020 10:42 am
Operator : ELAINE:PD
Sample : l2020006-08D,31,5,10,,c
Misc : WG1372327,ICAL16716
ALS Vial : 1 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : I:\VOLATILES\Elaine\2020\200519A\Elaine_200421N_8260.m
Title : VOLATILES BY GC/MS

Signal : TIC: VE200519A06.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	0.913	114	116	123	rVB2	37452	24981	3.72%	0.339%
2	1.030	152	158	171	rBV	93589	78755	11.73%	1.068%
3	4.427	1352	1379	1395	rBV	288317	671570	100.00%	9.109%
4	4.499	1397	1405	1445	rVB3	72710	173175	25.79%	2.349%
5	5.142	1615	1636	1662	rBV	73976	153081	22.79%	2.076%
6	5.487	1742	1760	1784	rBV	218420	424764	63.25%	5.762%
7	5.676	1810	1828	1865	rBV	326496	610503	90.91%	8.281%
8	7.192	2358	2373	2415	rBV	343487	537617	80.05%	7.292%
9	7.593	2497	2517	2541	rVB	77200	112736	16.79%	1.529%
10	8.494	2829	2841	2858	rBV	405201	449973	67.00%	6.103%
11	9.318	3123	3137	3148	rBV	318236	323489	48.17%	4.388%
12	9.986	3368	3377	3388	rVB	481481	446723	66.52%	6.059%
13	10.606	3594	3600	3611	rVB	35835	37187	5.54%	0.504%
14	10.834	3670	3682	3688	rBV2	111737	138493	20.62%	1.879%
15	10.907	3697	3708	3720	rVB3	24962	29128	4.34%	0.395%
16	10.973	3728	3732	3738	rVV2	27210	25163	3.75%	0.341%
17	11.004	3738	3743	3745	rVV2	36764	29533	4.40%	0.401%
18	11.023	3745	3750	3757	rVV5	68901	79081	11.78%	1.073%
19	11.068	3757	3766	3778	rVB	81872	94337	14.05%	1.280%
20	11.171	3793	3803	3811	rBV	25975	27956	4.16%	0.379%
21	11.215	3811	3819	3824	rBV4	25949	30957	4.61%	0.420%
22	11.246	3824	3830	3836	rBV2	49605	56914	8.47%	0.772%
23	11.335	3856	3862	3868	rVB	81280	72919	10.86%	0.989%
24	11.438	3884	3899	3910	rBV2	164351	201653	30.03%	2.735%
25	11.521	3923	3929	3934	rBV3	70630	83733	12.47%	1.136%
26	11.580	3945	3950	3957	rVB2	21384	21934	3.27%	0.298%
27	11.622	3957	3965	3972	rBV2	99420	104878	15.62%	1.423%
28	11.702	3986	3994	4001	rBV2	53427	57984	8.63%	0.787%

LSC Area Percent Report

Data Path : I:\VOLATILES\Elaine\2020\200519A\
Data File : VE200519A06.D
Acq On : 19 May 2020 10:42 am
Operator : ELAINE:PD
Sample : l2020006-08D,31,5,10,,c
Misc : WG1372327,ICAL16716
ALS Vial : 1 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : I:\VOLATILES\Elaine\2020\200519A\Elaine_200421N_8260.m
Title : VOLATILES BY GC/MS

29	11.741	4001	4008	4018	rVB4	27706	41405	6.17%	0.562%
30	11.827	4028	4039	4046	rBV	502340	471816	70.26%	6.400%
31	11.911	4060	4069	4080	rVB	389863	381234	56.77%	5.171%
32	11.986	4091	4096	4106	rVB3	22255	20414	3.04%	0.277%
33	12.058	4114	4122	4135	rVB	64486	79338	11.81%	1.076%
34	12.156	4148	4157	4170	rBV2	38283	53958	8.03%	0.732%
35	12.259	4182	4194	4197	rBV9	13114	21015	3.13%	0.285%
36	12.289	4197	4205	4214	rVB	119698	131413	19.57%	1.783%
37	12.370	4225	4234	4250	rVB	312015	321945	47.94%	4.367%
38	12.445	4250	4261	4265	rVV	341894	360902	53.74%	4.895%
39	12.467	4266	4269	4281	rVB	187545	167506	24.94%	2.272%
40	12.551	4292	4299	4303	rBV	39416	40309	6.00%	0.547%
41	12.573	4303	4307	4312	rVV2	35644	38676	5.76%	0.525%
42	12.601	4312	4317	4328	rVB2	54460	63457	9.45%	0.861%
43	12.682	4338	4346	4361	rVB2	39305	52211	7.77%	0.708%
44	12.888	4413	4420	4428	rVB	24402	27579	4.11%	0.374%

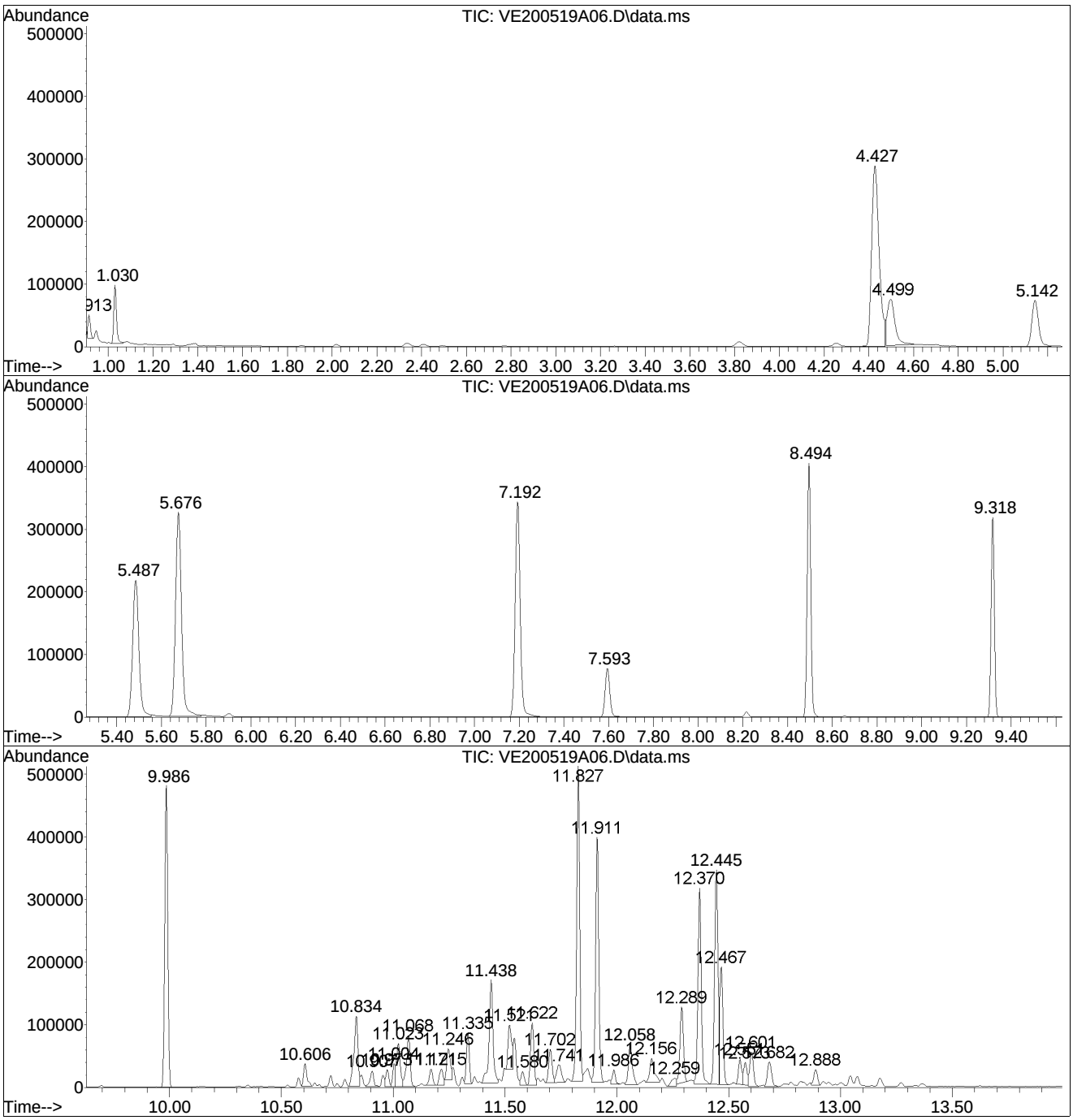
Sum of corrected areas: 7372395

LSC Report - Integrated Chromatogram

Data Path : I:\VOLATILES\Elaine\2020\200519A\
Data File : VE200519A06.D
Acq On : 19 May 2020 10:42 am
Operator : ELAINE:PD
Sample : l2020006-08D,31,5,10,,c
Misc : WG1372327,ICAL16716
ALS Vial : 1 Sample Multiplier: 1

Quant Method : I:\VOLATILES\Elaine\2020\200519A\Elaine_200421N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p



Data Path : I:\VOLATILES\Elaine\2020\200519A\
Data File : VE200519A06.D
Acq On : 19 May 2020 10:42 am
Operator : ELAINE:PD
Sample : l2020006-08D,31,5,10,,c
Misc : WG1372327,ICAL16716
ALS Vial : 1 Sample Multiplier: 1

Quant Method : I:\VOLATILES\Elaine\2020\200519A\Elaine_200421N_8260.m
Quant Title : VOLATILES BY GC/MS

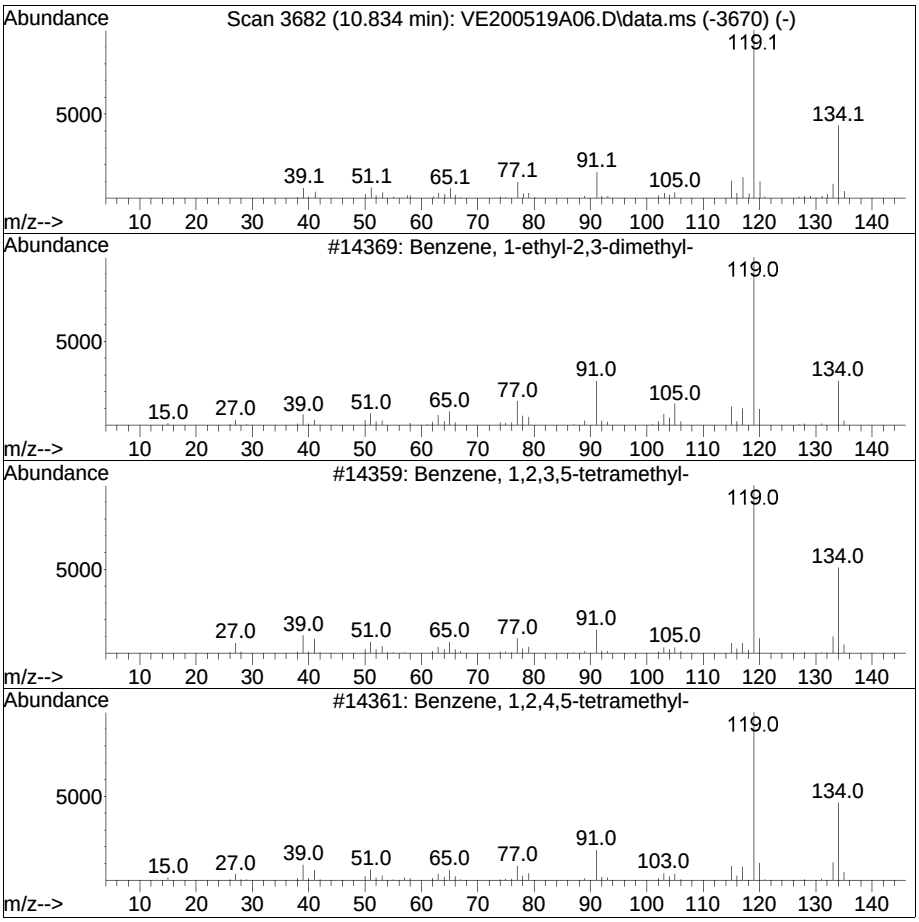
TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

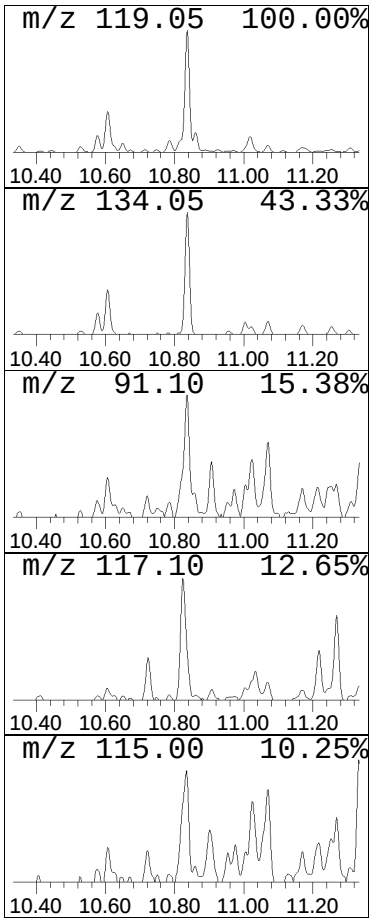
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Peak Number 1 Unknown Benzene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.834	3.10 ug/L	138493	1,4-Dichlorobenzene-d4	9.986

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	94
2	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	93
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	93
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	91





Library Search Compound Report

Data Path : I:\VOLATILES\Elaine\2020\200519A\
Data File : VE200519A06.D
Acq On : 19 May 2020 10:42 am
Operator : ELAINE:PD
Sample : l2020006-08D,31,5,10,,c
Misc : WG1372327,ICAL16716
ALS Vial : 1 Sample Multiplier: 1

Quant Method : I:\VOLATILES\Elaine\2020\200519A\Elaine_200421N_8260.m
Quant Title : VOLATILES BY GC/MS

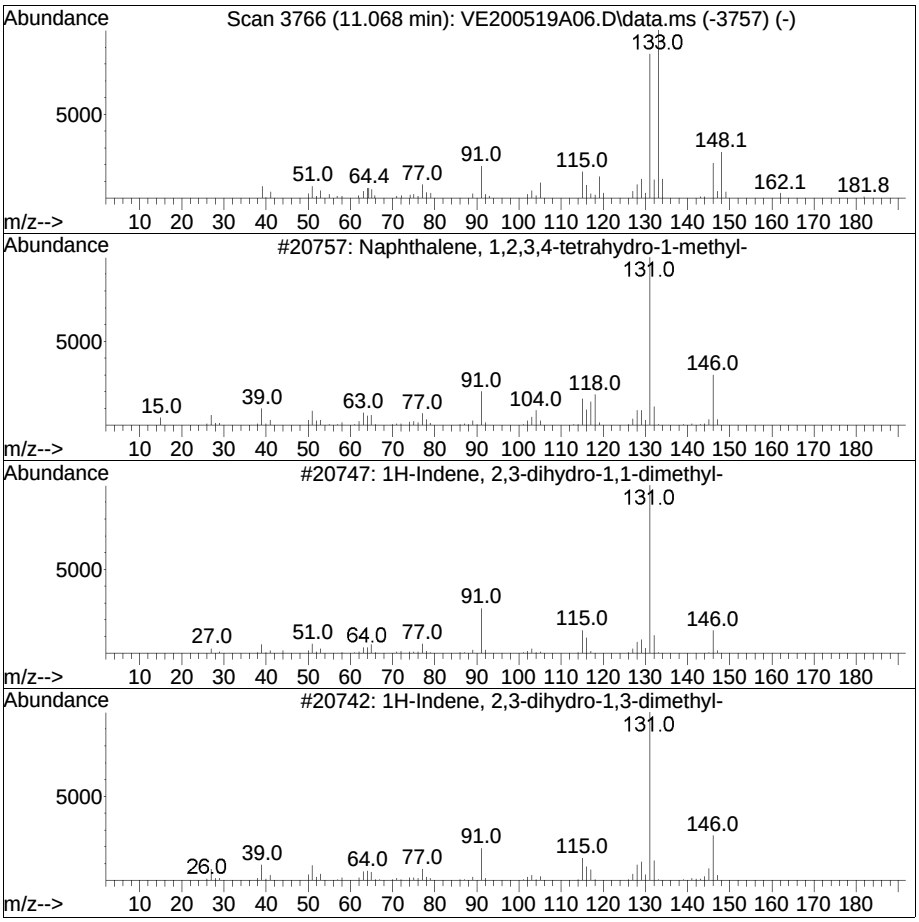
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TIC Integration Parameters: rteint.p

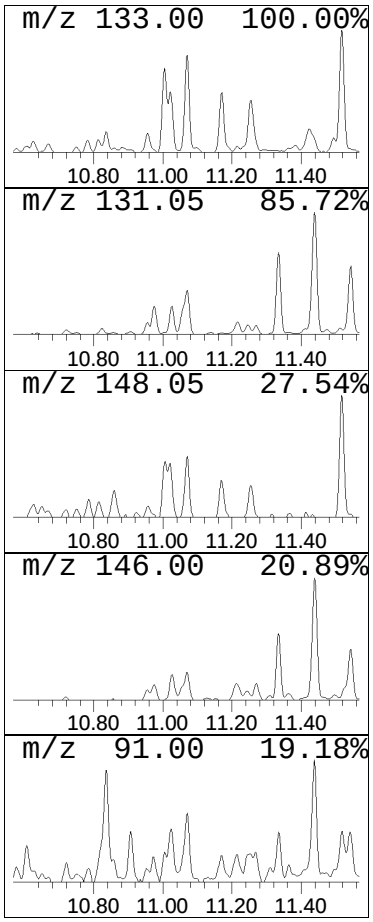
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Peak Number 2 Unknown Aromatic Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.068	2.11 ug/L	94337	1,4-Dichlorobenzene-d4	9.986

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	50
2	1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	50
3	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	50
4	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	50
5	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	50





Data Path : I:\VOLATILES\Elaine\2020\200519A\
Data File : VE200519A06.D
Acq On : 19 May 2020 10:42 am
Operator : ELAINE:PD
Sample : l2020006-08D,31,5,10,,c
Misc : WG1372327,ICAL16716
ALS Vial : 1 Sample Multiplier: 1

Quant Method : I:\VOLATILES\Elaine\2020\200519A\Elaine_200421N_8260.m
Quant Title : VOLATILES BY GC/MS

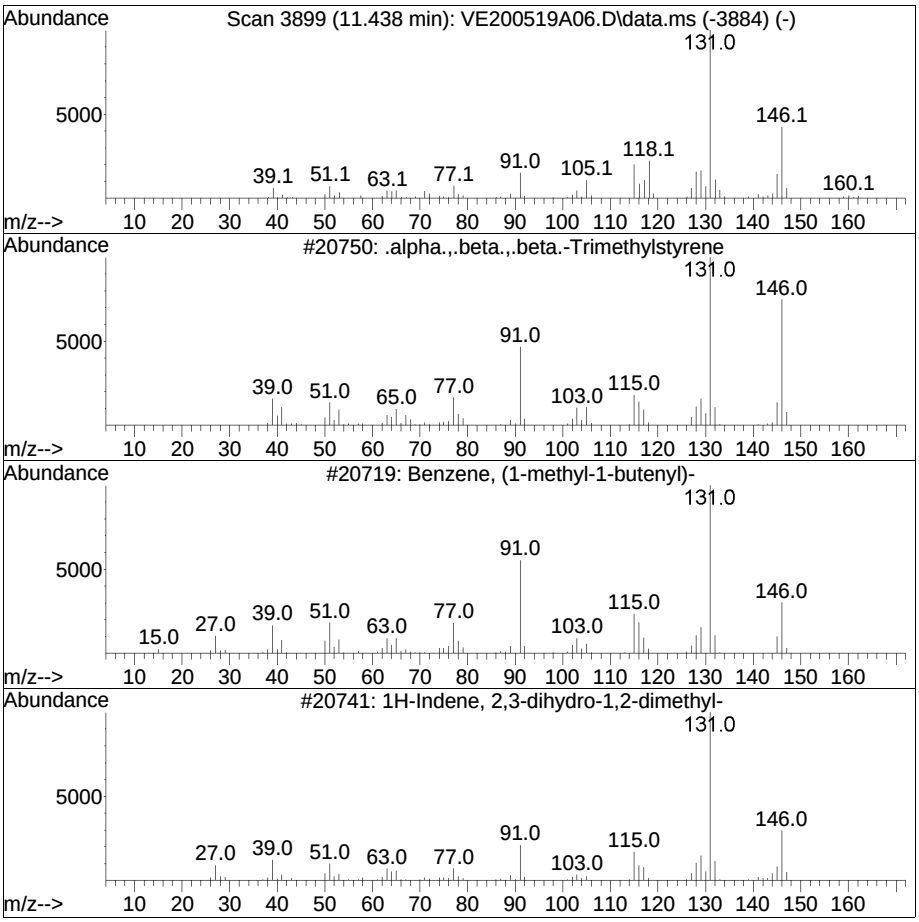
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TIC Integration Parameters: rteint.p

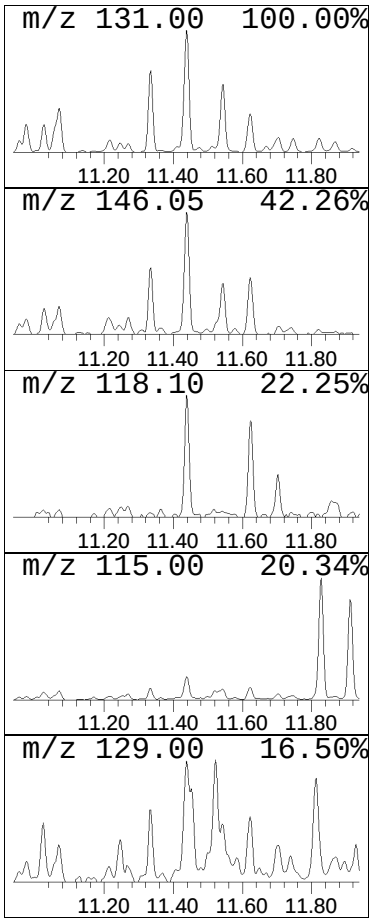
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Peak Number 3 Unknown Aromatic Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.438	4.51 ug/L	201653	1,4-Dichlorobenzene-d4	9.986

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.alpha.,.beta.,.beta.-Trimethyls...	146	C11H14	000769-57-3	93
2	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	91
3	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	91
4	1H-Indene,2,3-dihydro-2,2-dimethyl-	146	C11H14	020836-11-7	87
5	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	87





Data Path : I:\VOLATILES\Elaine\2020\200519A\
Data File : VE200519A06.D
Acq On : 19 May 2020 10:42 am
Operator : ELAINE:PD
Sample : l2020006-08D,31,5,10,,c
Misc : WG1372327,ICAL16716
ALS Vial : 1 Sample Multiplier: 1

Quant Method : I:\VOLATILES\Elaine\2020\200519A\Elaine_200421N_8260.m
Quant Title : VOLATILES BY GC/MS

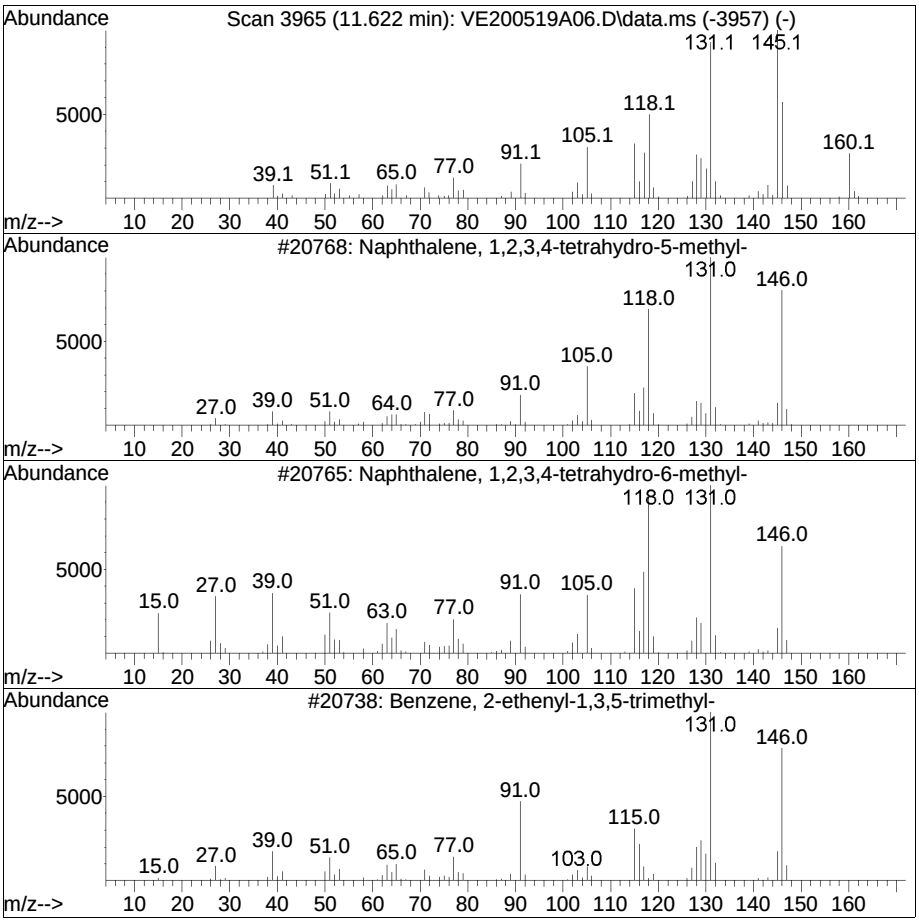
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TIC Integration Parameters: rteint.p

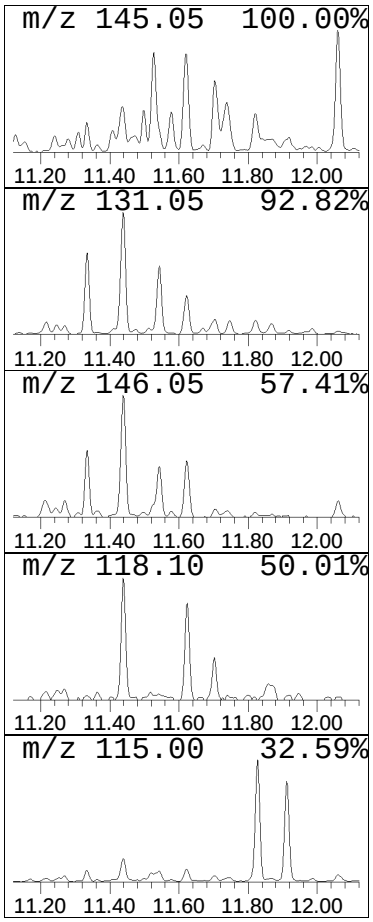
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Peak Number 4 Unknown Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.622	2.35 ug/L	104878	1,4-Dichlorobenzene-d4	9.986

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	60
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	60
3	Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	55
4	1H-Benzimidazole, 5,6-dimethyl-	146	C9H10N2	000582-60-5	55
5	1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	55





Data Path : I:\VOLATILES\Elaine\2020\200519A\
Data File : VE200519A06.D
Acq On : 19 May 2020 10:42 am
Operator : ELAINE:PD
Sample : l2020006-08D,31,5,10,,c
Misc : WG1372327,ICAL16716
ALS Vial : 1 Sample Multiplier: 1

Quant Method : I:\VOLATILES\Elaine\2020\200519A\Elaine_200421N_8260.m
Quant Title : VOLATILES BY GC/MS

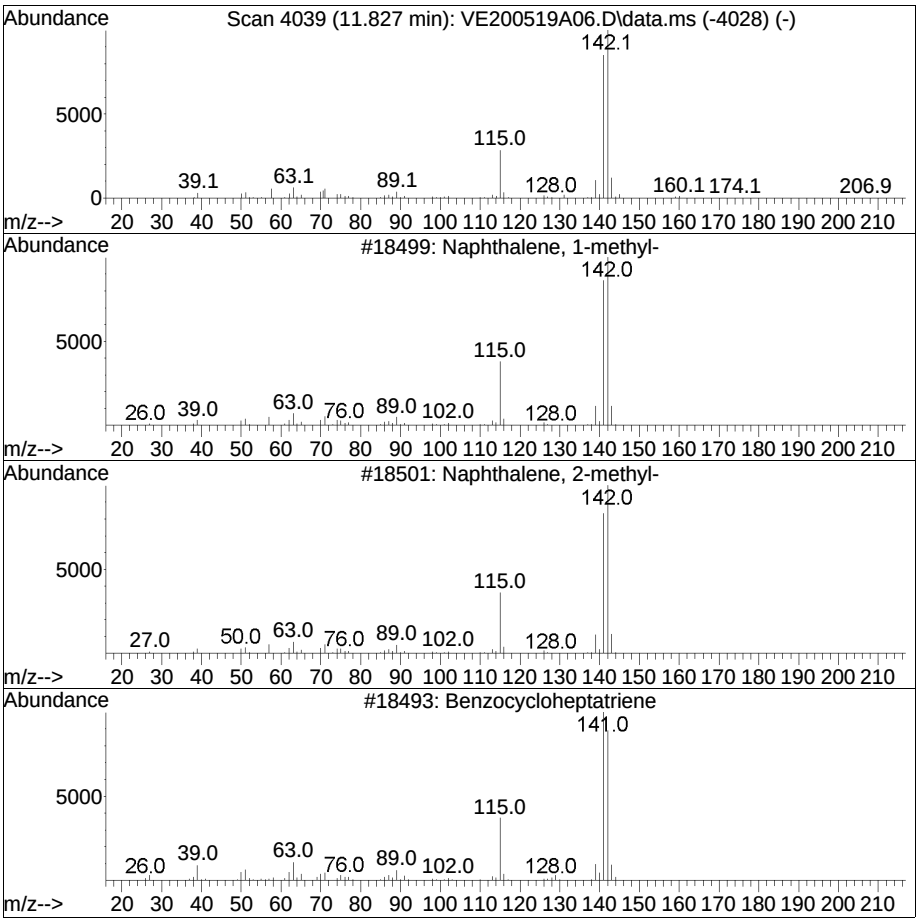
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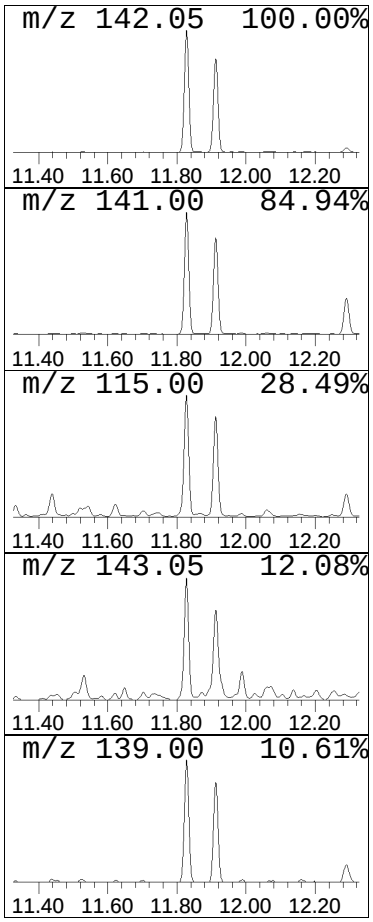
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Peak Number 5 Unknown Aromatic Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.828	10.56 ug/L	471816	1,4-Dichlorobenzene-d4	9.986

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3	Benzocycloheptatriene	142	C11H10	000264-09-5	91
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
5	3,4-Difluorobenzaldehyde	142	C7H4F2O	034036-07-2	59





Data Path : I:\VOLATILES\Elaine\2020\200519A\
Data File : VE200519A06.D
Acq On : 19 May 2020 10:42 am
Operator : ELAINE:PD
Sample : l2020006-08D,31,5,10,,c
Misc : WG1372327,ICAL16716
ALS Vial : 1 Sample Multiplier: 1

Quant Method : I:\VOLATILES\Elaine\2020\200519A\Elaine_200421N_8260.m
Quant Title : VOLATILES BY GC/MS

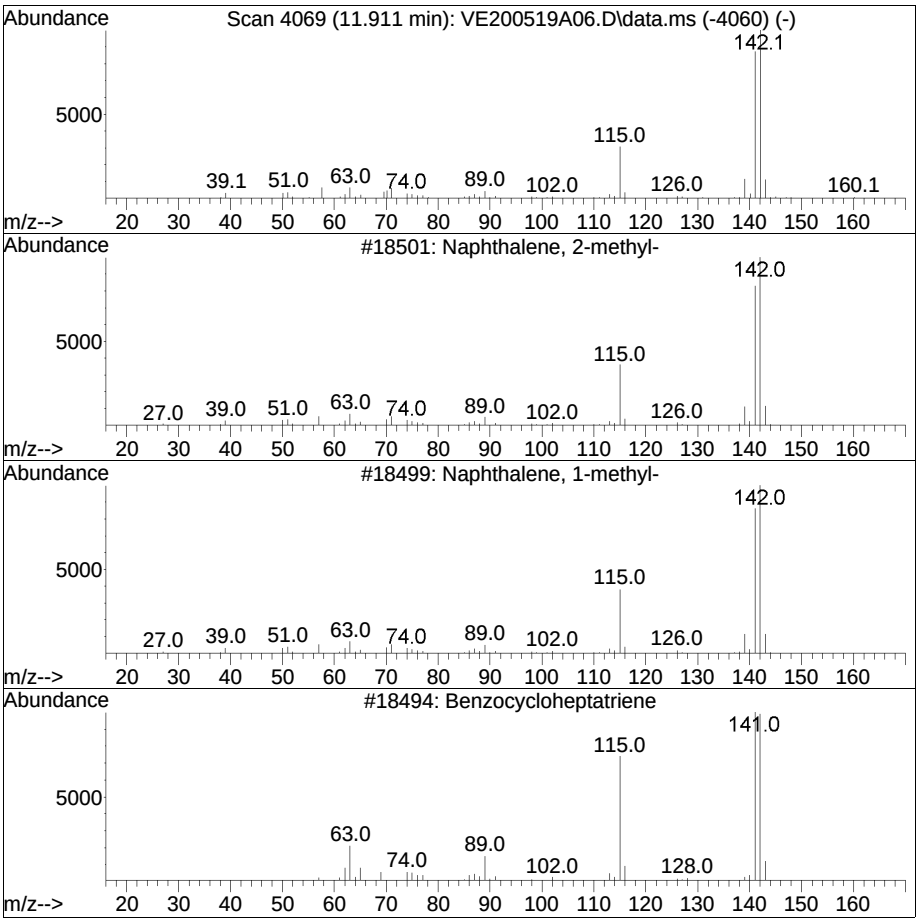
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TIC Integration Parameters: rteint.p

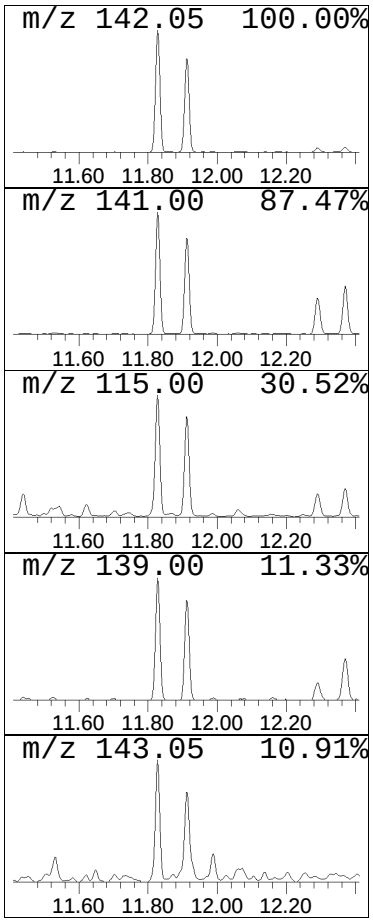
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Peak Number 6 Unknown Aromatic Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.911	8.53 ug/L	381234	1,4-Dichlorobenzene-d4	9.986

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3	Benzocycloheptatriene	142	C11H10	000264-09-5	91
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
5	3,4-Difluorobenzaldehyde	142	C7H4F2O	034036-07-2	64





Data Path : I:\VOLATILES\Elaine\2020\200519A\
Data File : VE200519A06.D
Acq On : 19 May 2020 10:42 am
Operator : ELAINE:PD
Sample : l2020006-08D,31,5,10,,c
Misc : WG1372327,ICAL16716
ALS Vial : 1 Sample Multiplier: 1

Quant Method : I:\VOLATILES\Elaine\2020\200519A\Elaine_200421N_8260.m
Quant Title : VOLATILES BY GC/MS

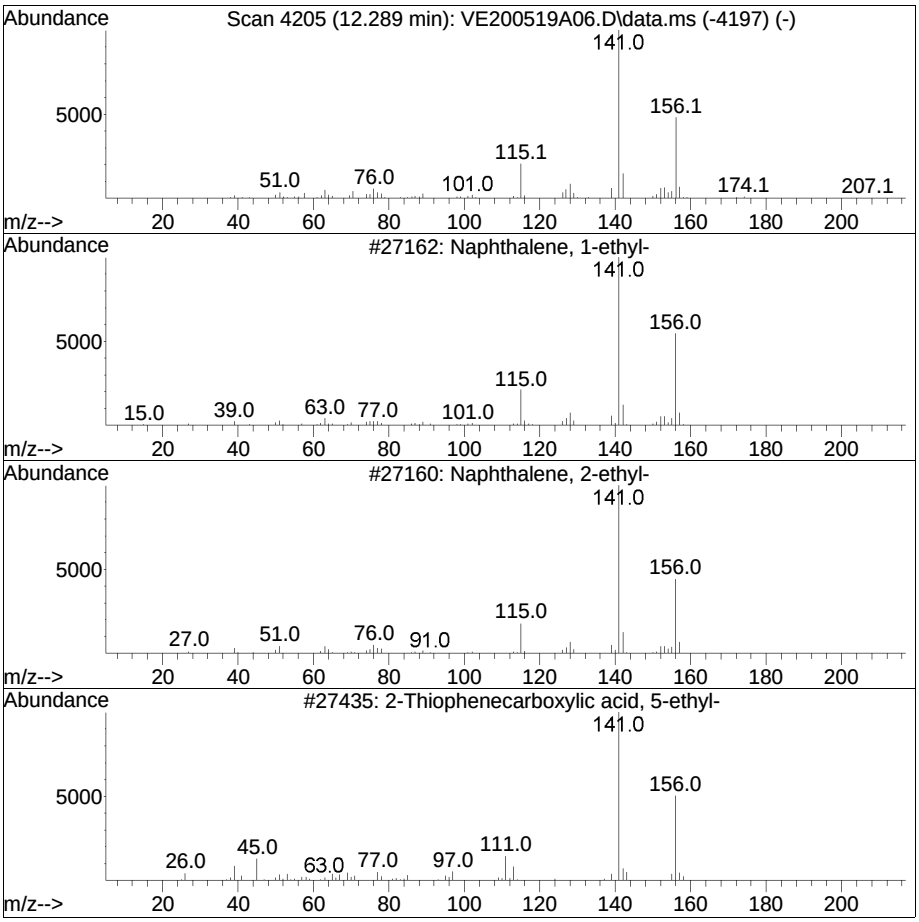
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TIC Integration Parameters: rteint.p

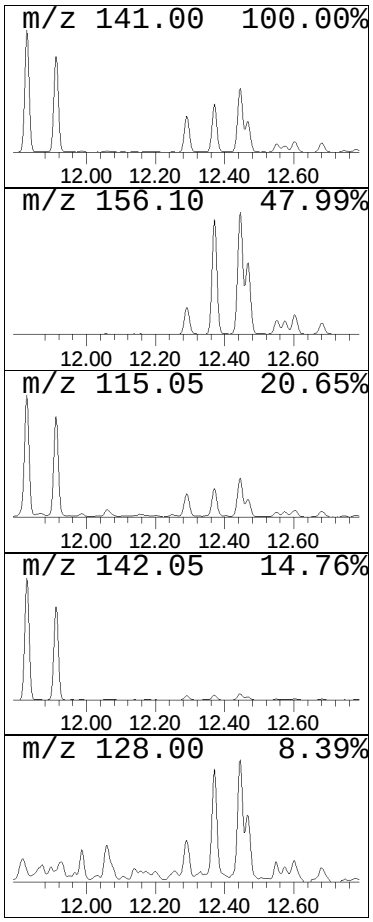
****

Peak Number 7 Unknown Naphthalene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.289	2.94 ug/L	131413	1,4-Dichlorobenzene-d4	9.986

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	95
2	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	95
3	2-Thiophenecarboxylic acid, 5-et...	156	C7H8O2S	023229-72-3	72
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	53
5	Naphthalene, 1-propyl-	170	C13H14	002765-18-6	53





Data Path : I:\VOLATILES\Elaine\2020\200519A\
Data File : VE200519A06.D
Acq On : 19 May 2020 10:42 am
Operator : ELAINE:PD
Sample : l2020006-08D,31,5,10,,c
Misc : WG1372327,ICAL16716
ALS Vial : 1 Sample Multiplier: 1

Quant Method : I:\VOLATILES\Elaine\2020\200519A\Elaine_200421N_8260.m
Quant Title : VOLATILES BY GC/MS

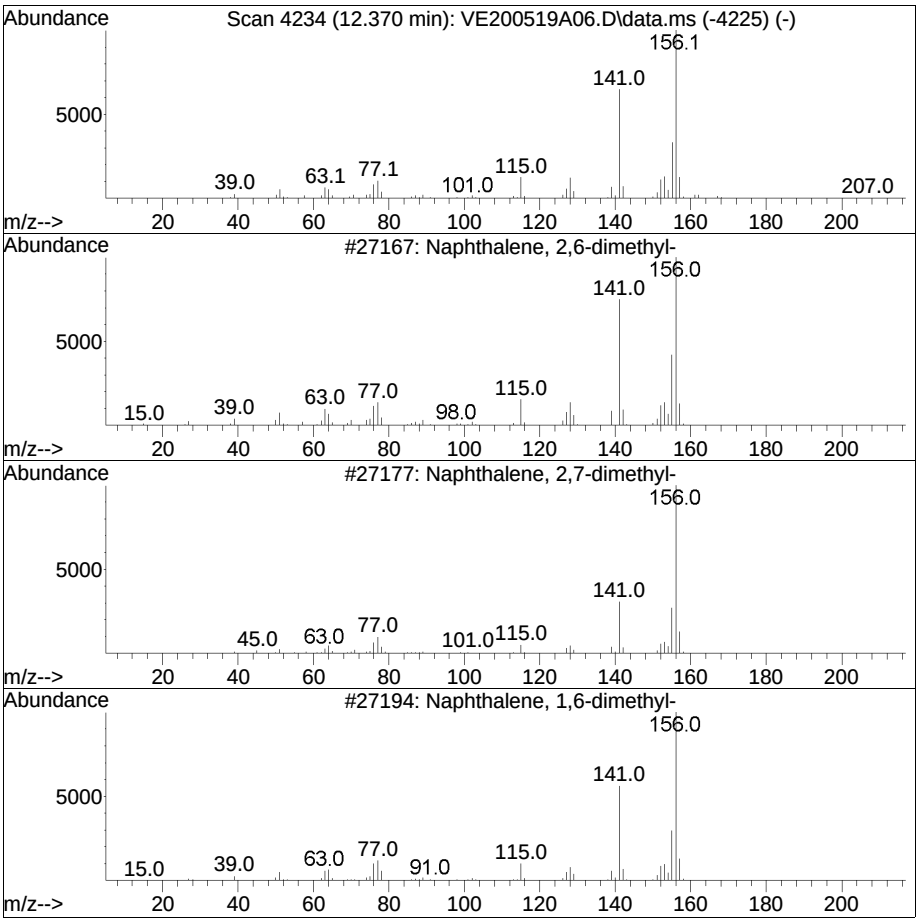
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TIC Integration Parameters: rteint.p

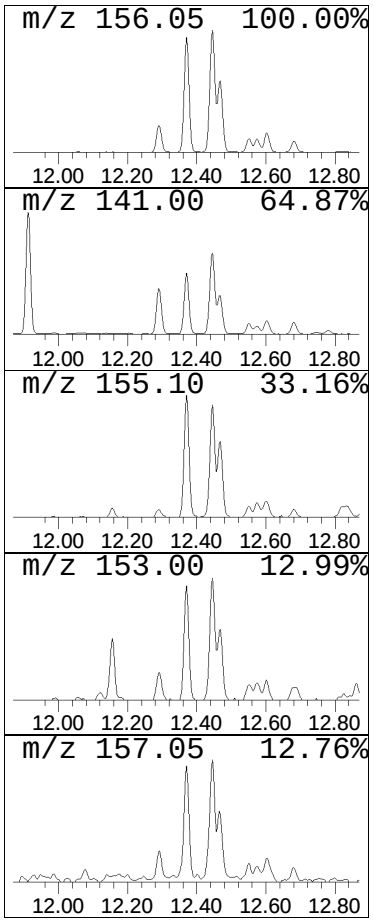
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Peak Number 8 Unknown Naphthalene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.370	7.21 ug/L	321945	1,4-Dichlorobenzene-d4	9.986

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
5	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	96





Data Path : I:\VOLATILES\Elaine\2020\200519A\
Data File : VE200519A06.D
Acq On : 19 May 2020 10:42 am
Operator : ELAINE:PD
Sample : l2020006-08D,31,5,10,,c
Misc : WG1372327,ICAL16716
ALS Vial : 1 Sample Multiplier: 1

Quant Method : I:\VOLATILES\Elaine\2020\200519A\Elaine_200421N_8260.m
Quant Title : VOLATILES BY GC/MS

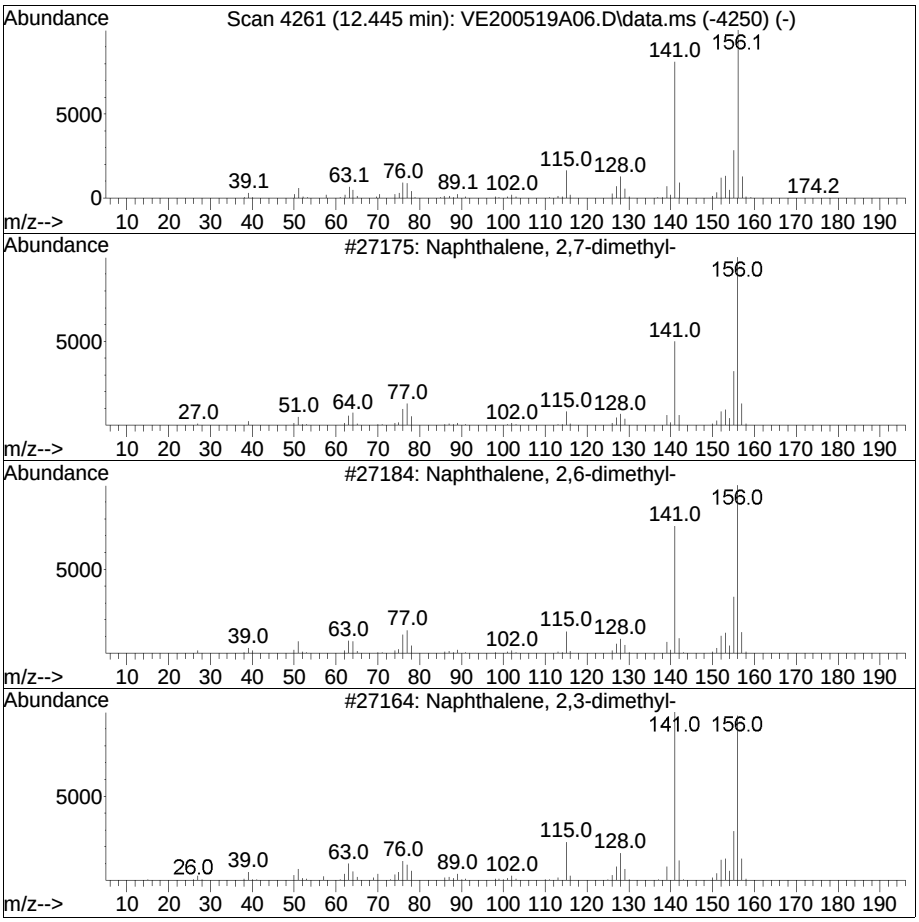
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TIC Integration Parameters: rteint.p

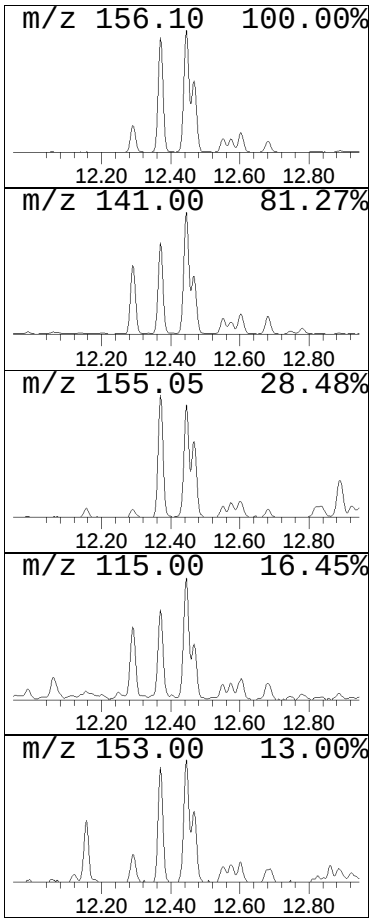
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Peak Number 9 Unknown Naphthalene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.445	8.08 ug/L	360902	1,4-Dichlorobenzene-d4	9.986

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97





Data Path : I:\VOLATILES\Elaine\2020\200519A\
Data File : VE200519A06.D
Acq On : 19 May 2020 10:42 am
Operator : ELAINE:PD
Sample : l2020006-08D,31,5,10,,c
Misc : WG1372327,ICAL16716
ALS Vial : 1 Sample Multiplier: 1

Quant Method : I:\VOLATILES\Elaine\2020\200519A\Elaine_200421N_8260.m
Quant Title : VOLATILES BY GC/MS

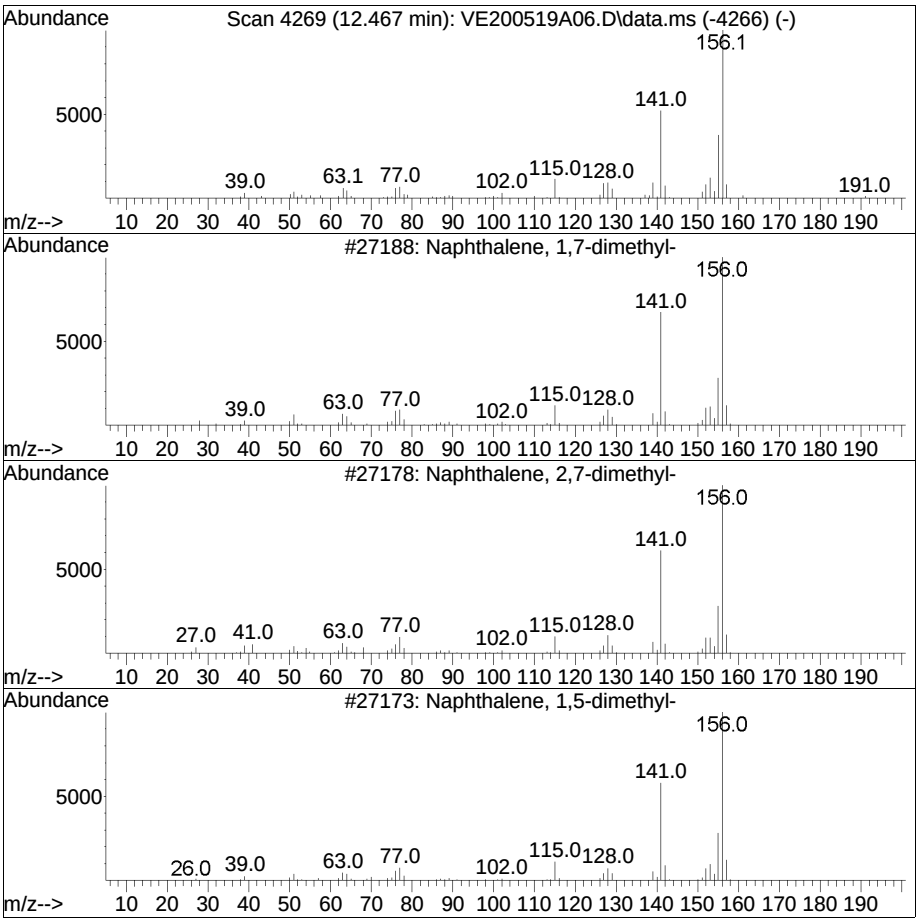
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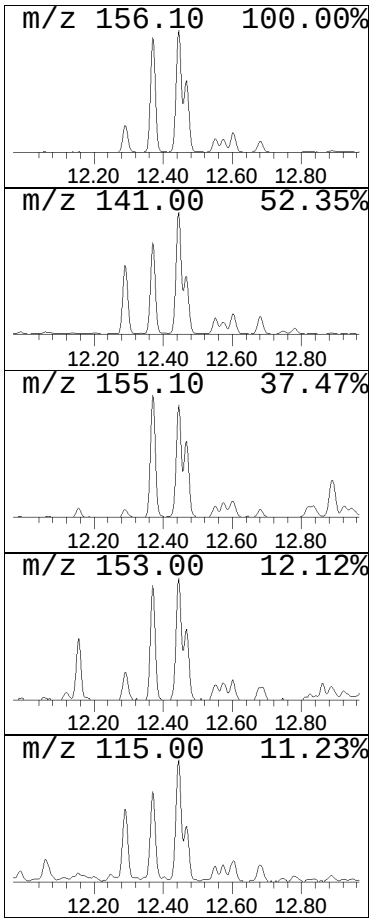
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Peak Number 10 Unknown Naphthalene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.467	3.75 ug/L	167506	1,4-Dichlorobenzene-d4	9.986

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	93
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	91
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	90





Tentatively Identified Compound (LSC) summary

Data Path : I:\VOLATILES\Elaine\2020\200519A\
Data File : VE200519A06.D
Acq On : 19 May 2020 10:42 am
Operator : ELAINE:PD
Sample : l2020006-08D,31,5,10,,c
Misc : WG1372327,ICAL16716
ALS Vial : 1 Sample Multiplier: 1

Quant Method : I:\VOLATILES\Elaine\2020\200519A\Elaine_200421N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Unknown Benzene	10.834	3.1	ug/L	138493	3	9.986	446723	10.0
Unknown Aromatic	11.068	2.1	ug/L	94337	3	9.986	446723	10.0
Unknown Aromatic	11.438	4.5	ug/L	201653	3	9.986	446723	10.0
Unknown	11.622	2.3	ug/L	104878	3	9.986	446723	10.0
Unknown Aromatic	11.828	10.6	ug/L	471816	3	9.986	446723	10.0
Unknown Aromatic	11.911	8.5	ug/L	381234	3	9.986	446723	10.0
Unknown Naphtha...	12.289	2.9	ug/L	131413	3	9.986	446723	10.0
Unknown Naphtha...	12.370	7.2	ug/L	321945	3	9.986	446723	10.0
Unknown Naphtha...	12.445	8.1	ug/L	360902	3	9.986	446723	10.0
Unknown Naphtha...	12.467	3.7	ug/L	167506	3	9.986	446723	10.0

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2020\200519A\
Data File : VE200519A07.D
Acq On : 19 May 2020 11:03 am
Operator : ELAINE:PD
Sample : l2020006-10D,31,0.2,10,,c
Misc : WG1372327,ICAL16716
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 19 11:49:25 2020
Quant Method : I:\VOLATILES\Elaine\2020\200519A\Elaine_200421N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 22 18:53:41 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2020\200519A\VE200519A02.D
Sub List : 8260-PCEbreak - PCE Break Down

Compound		R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards						
1) Fluorobenzene		5.490	96	201546	10.000 ug/L	0.00
Standard Area 1 = 211540				Recovery =	95.28%	
59) Chlorobenzene-d5		8.495	117	142303	10.000 ug/L	0.00
Standard Area 1 = 159928				Recovery =	88.98%	
79) 1,4-Dichlorobenzene-d4		9.986	152	74734	10.000 ug/L	0.00
Standard Area 1 = 80793				Recovery =	92.50%	
System Monitoring Compounds						
36) Dibromofluoromethane		4.499	113	45346	9.470 ug/L	-0.01
Spiked Amount	10.000	Range 70 - 130		Recovery =	94.70%	
43) 1,2-Dichloroethane-d4		5.145	65	51589	9.090 ug/L	0.00
Spiked Amount	10.000	Range 70 - 130		Recovery =	90.90%	
60) Toluene-d8		7.192	98	199614	10.385 ug/L	0.00
Spiked Amount	10.000	Range 70 - 130		Recovery =	103.85%	
83) 4-Bromofluorobenzene		9.315	95	70789	9.881 ug/L	0.00
Spiked Amount	10.000	Range 70 - 130		Recovery =	98.81%	
Target Compounds						Qvalue
4) Vinyl chloride		1.110	62	52	N.D.	
10) 1,1-Dichloroethene		0.000		0	N.D.	
18) trans-1,2-Dichloroethene		2.490	96	540M1	0.162 ug/L	
23) 1,1-Dichloroethane		0.000		0	N.D.	
28) cis-1,2-Dichloroethene		3.826	96	10667	2.545 ug/L #	78
37) 1,1,1-Trichloroethane		0.000		0	N.D.	
44) 1,2-Dichloroethane		0.000		0	N.D.	
48) Trichloroethene		5.679	95	222992	57.089 ug/L	89
63) Tetrachloroethene		7.596	166	598	0.151 ug/L	91

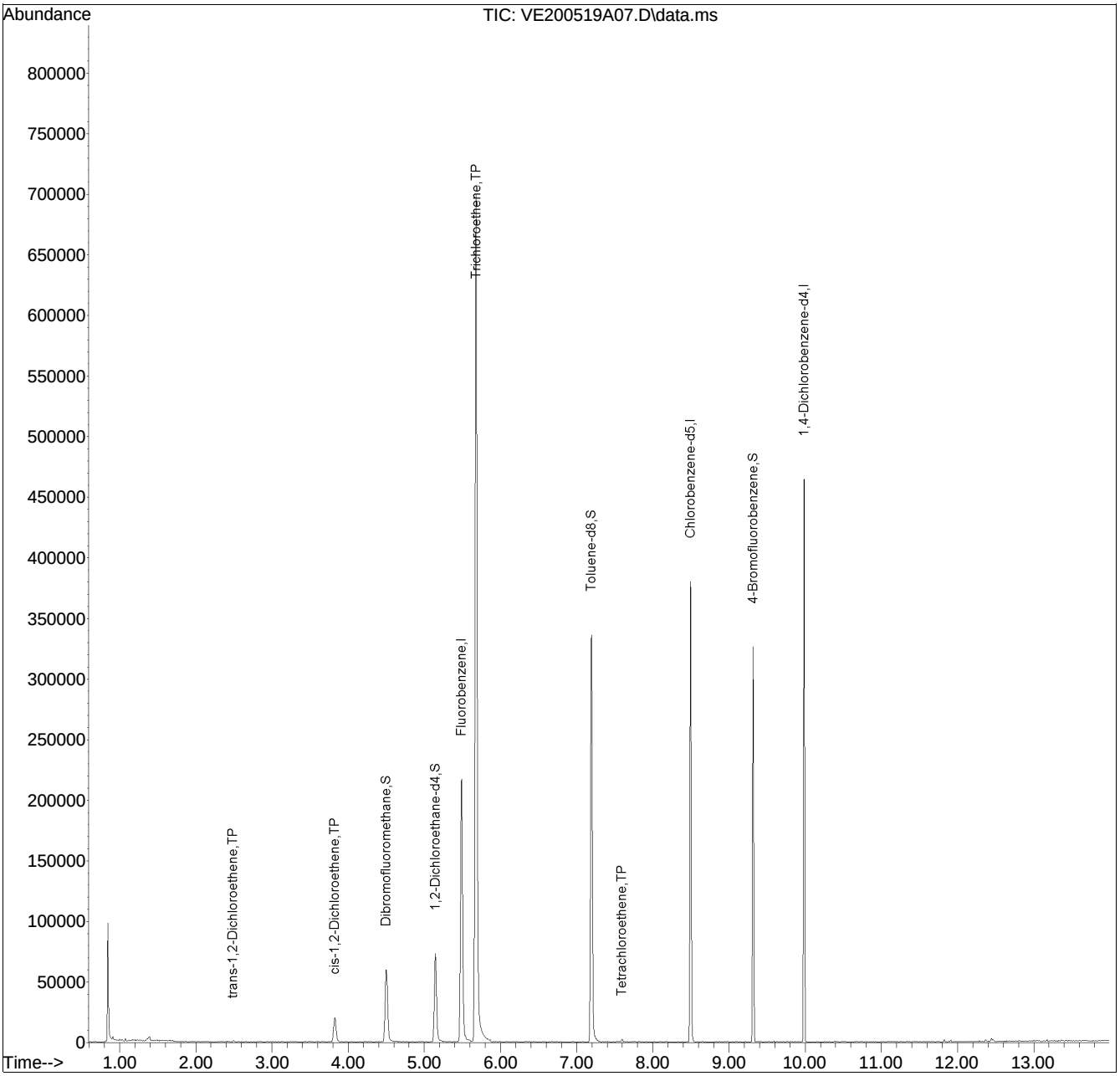
(#) = qualifier out of range (m) = manual integration (+) = signals summed

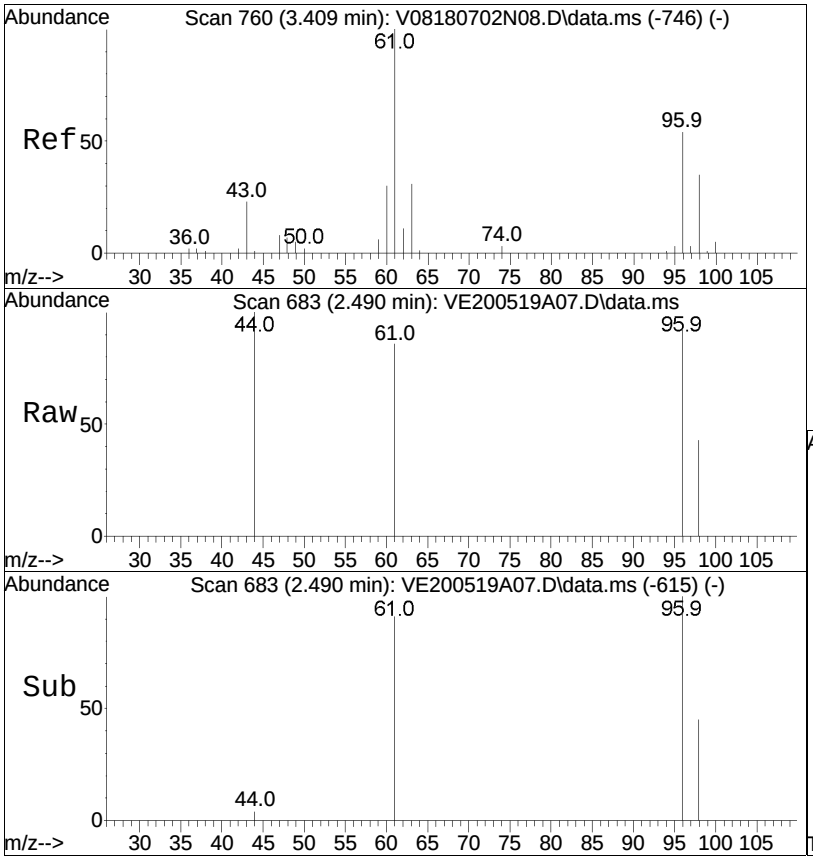
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2020\200519A\
Data File : VE200519A07.D
Acq On : 19 May 2020 11:03 am
Operator : ELAINE:PD
Sample : l2020006-10D,31,0.2,10,,c
Misc : WG1372327,ICAL16716
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 19 11:49:25 2020
Quant Method : I:\VOLATILES\Elaine\2020\200519A\Elaine_200421N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 22 18:53:41 2020
Response via : Initial Calibration

Sub List : 8260-PCEbreak - PCE Break Down00519A\VE200519A02.D•

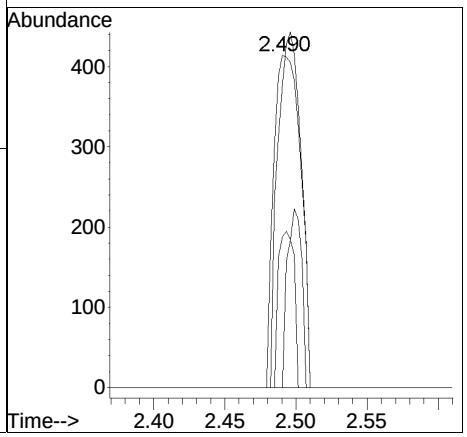


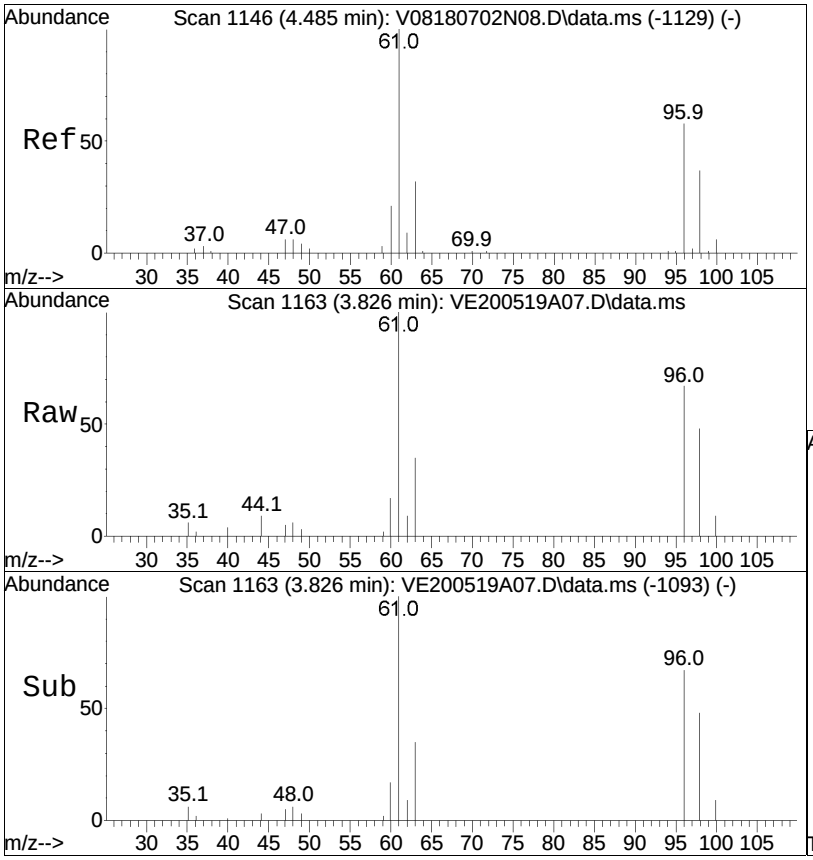


#18
trans-1,2-Dichloroethene
Concen: 0.16 ug/L M1
RT: 2.490 min Scan# 683
Delta R.T. -0.011 min
Lab File: VE200519A07.D
Acq: 19 May 2020 11:03 am

Tgt Ion: 96 Resp: 540

Ion	Ratio	Lower	Upper
96	100		
61	93.0	124.0	257.6#
98	27.8	41.2	85.6#
63	28.7	38.4	79.7#

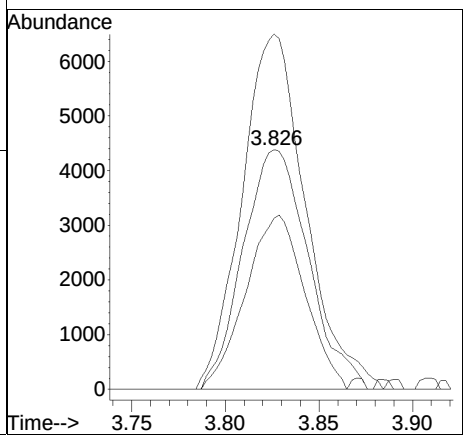


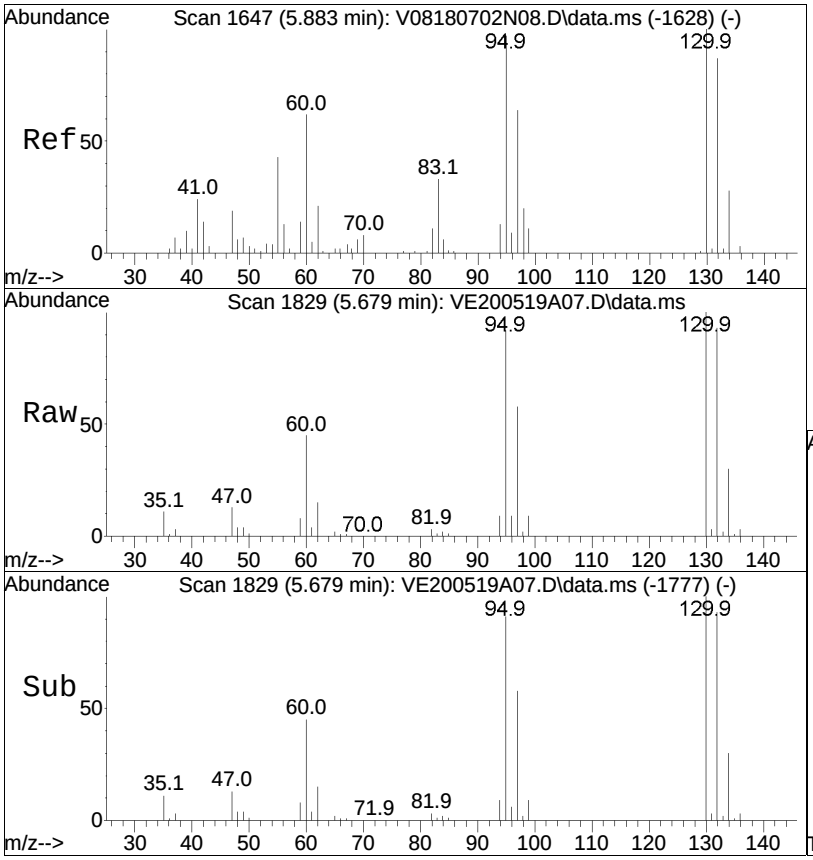


#28
cis-1,2-Dichloroethene
Concen: 2.54 ug/L
RT: 3.826 min Scan# 1163
Delta R.T. -0.005 min
Lab File: VE200519A07.D
Acq: 19 May 2020 11:03 am

Tgt Ion: 96 Resp: 10667

Ion	Ratio	Lower	Upper
96	100		
61	144.6	149.4	224.2#
98	66.1	53.4	80.2

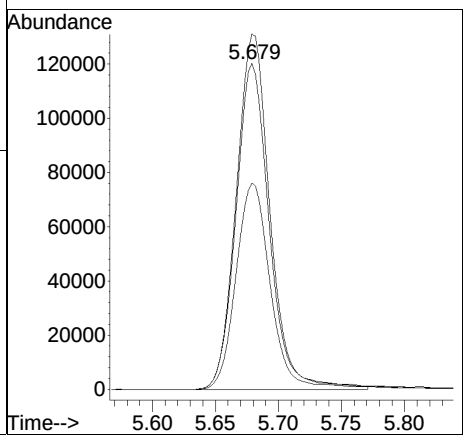


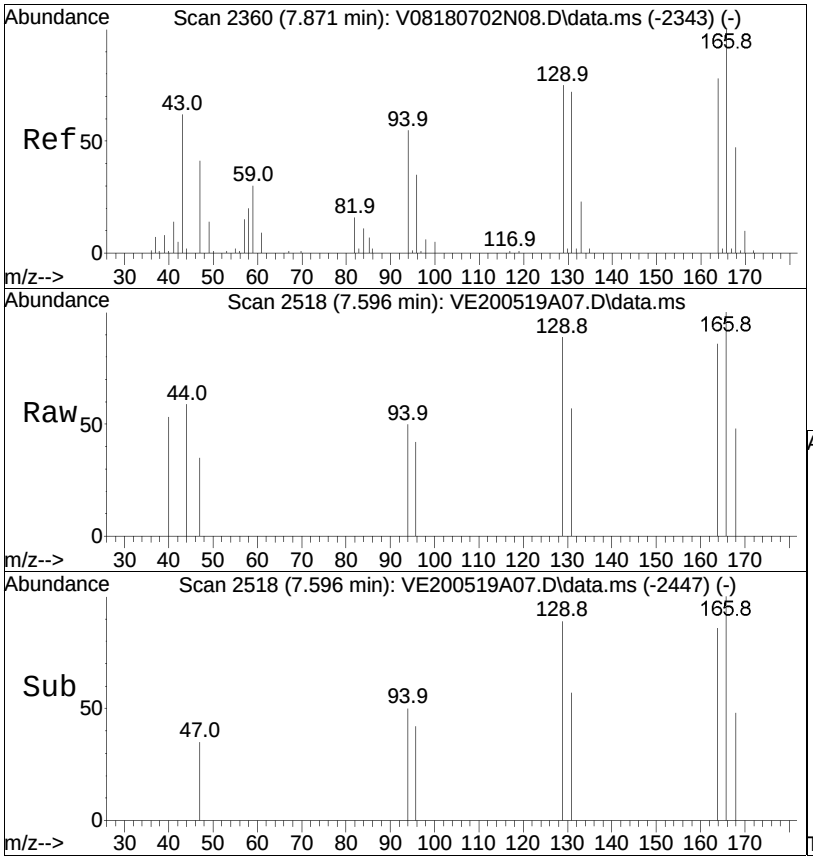


#48
Trichloroethene
Concen: 57.09 ug/L
RT: 5.679 min Scan# 1829
Delta R.T. -0.005 min
Lab File: VE200519A07.D
Acq: 19 May 2020 11:03 am

Tgt Ion: 95 Resp: 222992

Ion	Ratio	Lower	Upper
95	100		
97	64.8	55.5	83.3
130	109.7	76.6	115.0

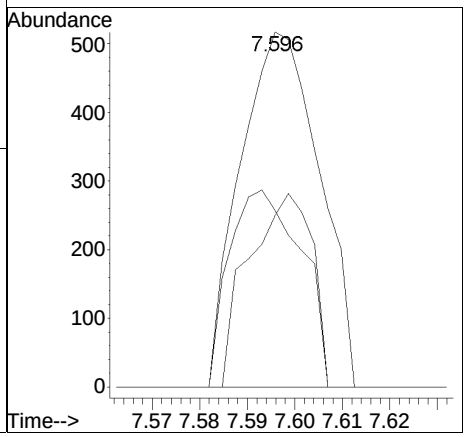




#63
Tetrachloroethene
Concen: 0.15 ug/L
RT: 7.596 min Scan# 2518
Delta R.T. -0.002 min
Lab File: VE200519A07.D
Acq: 19 May 2020 11:03 am

Tgt Ion:166 Resp: 598

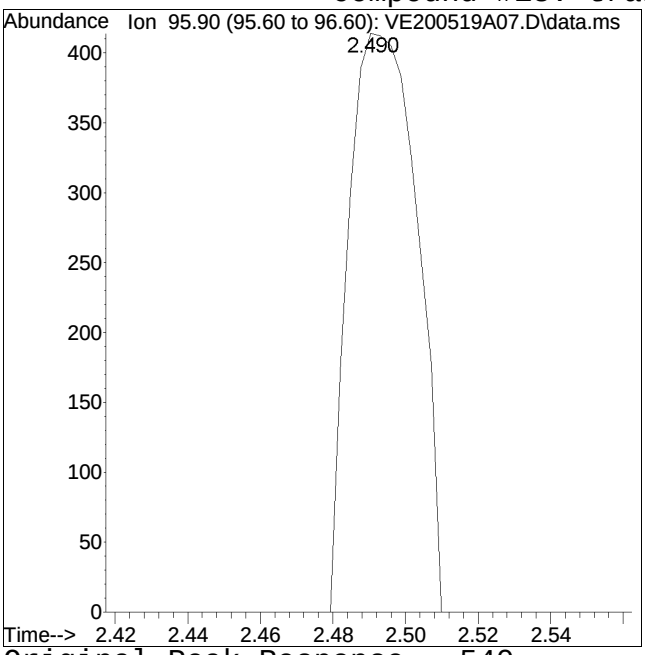
Ion	Ratio	Lower	Upper
166	100		
168	43.5	28.2	68.2
94	50.5	38.4	78.4



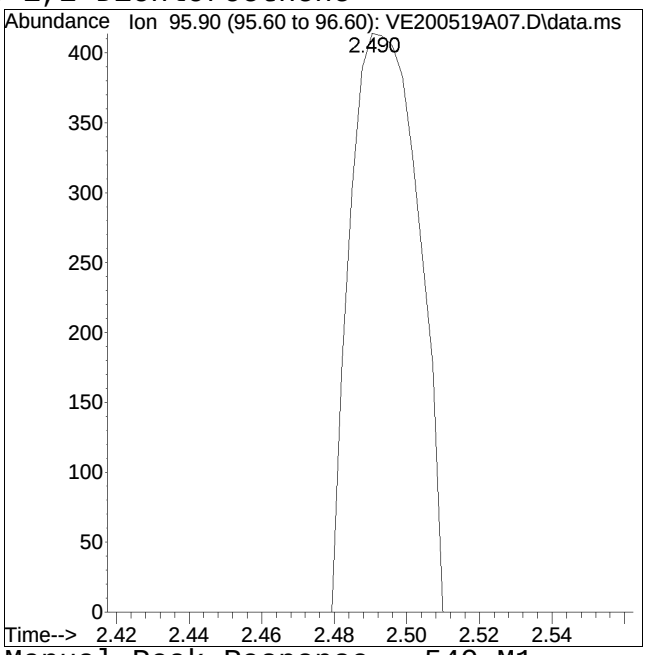
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200519A07.D Operator : ELAINE:PD
Date Inj'd : 5/19/2020 11:03 am Instrument : Elaine
Sample : l2020006-10D,31,0.2,10,,c Quant Date : 5/19/2020 11:49 am

Compound #18: trans-1,2-Dichloroethene



Original Peak Response = 540



Manual Peak Response = 540 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Volatiles Standards Data

Initial Calibration

Initial Calibration Summary
Form 6
Volatiles

Client	**: LaBella Associates, P.C.**	**Lab Number**	**: L2020006**
Project Name	**: JEFFERSON WOLLENSACK**	**Project Number**	**: 2182207**
Instrument ID	**: VOA105**	**Ical Ref**	**: ICAL16595**
Calibration dates	**: 03/13/20 20:45 03/14/20 00:13**		

Calibration Files
L11 =V05200313N04.d L1 =V05200313N06.d L2 =V05200313N08.d L3 =V05200313N09.d L4 =V05200313N10.d
L6 =V05200313N11.d L8 =V05200313N12.d L10 =V05200313N13.d

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1)	I	Fluorobenzene	----------ISTD----------									
2)	TP	Dichlorodifluo		0.143	0.201	0.219	0.219	0.224	0.229	0.242	0.211	15.31
3)	TP	Chloromethane		0.163	0.196	0.204	0.211	0.210	0.218	0.229	0.205	10.25
4)	TC	Vinyl chloride	0.279	0.185	0.246	0.258	0.261	0.266	0.273	0.285	0.257	12.19
5)	TP	Bromomethane		0.108	0.133	0.127	0.140	0.150	0.161	0.170	0.141	14.88
6)	TP	Chloroethane		0.124	0.140	0.134	0.137	0.126	0.123	0.106	0.127	8.95
7)	TP	Trichlorofluor		0.277	0.360	0.387	0.389	0.386	0.390	0.395	0.369	11.37
8)	TP	Ethyl ether		0.108	0.098	0.096	0.097	0.097	0.098	0.097	0.099	4.04
10)	TC	1,1-Dichloroet		0.154	0.191	0.187	0.190	0.198	0.204	0.216	0.191	10.13
11)	TP	Carbon disulfide		0.403	0.485	0.501	0.528	0.558	0.580	0.613	0.524	13.29
12)	TP	Freon-113		0.132	0.180	0.195	0.195	0.201	0.206	0.215	0.189	14.51
13)	TP	Iodomethane		0.198	0.255	0.283	0.312	0.320	0.326	0.322	0.288	16.43
14)	TP	Acrolein		0.023	0.017	0.015	0.015	0.015	0.015	0.015	0.017#	17.58
15)	TP	Methylene chlo		0.215	0.204	0.201	0.209	0.209	0.215	0.222	0.211	3.35
17)	TP	Acetone			0.044	0.030	0.028	0.028	0.028	0.027	*L	1.0000
18)	TP	trans-1,2-Dich		0.177	0.215	0.209	0.220	0.221	0.228	0.237	0.215	8.90
19)	TP	Methyl acetate		0.104	0.080	0.076	0.079	0.082	0.083	0.082	0.084#	11.32
20)	TP	Methyl tert butyl ether		0.435	0.440	0.453	0.473	0.475	0.483	0.482	0.463	4.35
21)	TP	tert-Butyl alc		0.009	0.008	0.008	0.008	0.008	0.008	0.008	0.008#	3.83
22)	TP	Diisopropyl ether		0.514	0.560	0.565	0.596	0.590	0.604	0.620	0.578	6.07
23)	TP	1,1-Dichloroet		0.326	0.376	0.376	0.392	0.386	0.395	0.404	0.379	6.70
24)	TP	Halothane		0.123	0.157	0.166	0.176	0.175	0.179	0.186	0.166	12.83
25)	TP	Acrylonitrile		0.036	0.034	0.034	0.036	0.037	0.038	0.039	0.036#	5.06
26)	TP	Ethyl tert-but		0.480	0.493	0.518	0.545	0.547	0.562	0.574	0.531	6.67
27)	TP	Vinyl acetate		0.274	0.264	0.271	0.291	0.317	0.334	0.346	0.300	10.93
28)	TP	cis-1,2-Dichlo		0.203	0.234	0.228	0.238	0.235	0.242	0.250	0.233	6.47
29)	TP	2,2-Dichloropr		0.279	0.343	0.330	0.339	0.339	0.348	0.352	0.333	7.41
30)	TP	Bromochloromet		0.092	0.102	0.106	0.108	0.108	0.111	0.110	0.105	6.25
31)	TP	Cyclohexane		0.242	0.316	0.344	0.342	0.348	0.362	0.383	0.334	13.54
32)	TC	Chloroform		0.363	0.375	0.385	0.397	0.382	0.389	0.391	0.383	2.99
33)	TP	Ethyl acetate		0.090	0.098	0.101	0.106	0.108	0.110	0.111	0.104	7.10
34)	TP	Carbon tetrachloride	0.349	0.261	0.338	0.337	0.358	0.361	0.369	0.376	0.344	10.50
35)	TP	Tetrahydrofuran		0.073	0.048	0.032	0.031	0.030	0.030	0.030	*L	0.9997
36)	S	Dibromofluoromethane	0.263	0.264	0.265	0.267	0.268	0.270	0.271	0.274	0.268	1.35
37)	TP	1,1,1-Trichlor		0.296	0.372	0.378	0.384	0.378	0.381	0.383	0.367	8.65
39)	TP	2-Butanone		0.045	0.039	0.044	0.044	0.045	0.045	0.045	0.044#	5.21

Initial Calibration Summary
Form 6
Volatiles

Client	**: LaBella Associates, P.C.**	**Lab Number**	**: L2020006**
Project Name	**: JEFFERSON WOLLENSACK**	**Project Number**	**: 2182207**
Instrument ID	**: VOA105**	**Ical Ref**	**: ICAL16595**
Calibration dates	**: 03/13/20 20:45 03/14/20 00:13**		

Calibration Files
L11 =V05200313N04.d L1 =V05200313N06.d L2 =V05200313N08.d L3 =V05200313N09.d L4 =V05200313N10.d
L6 =V05200313N11.d L8 =V05200313N12.d L10 =V05200313N13.d

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
40) TP	1,1-Dichloropr		0.233	0.314	0.307	0.318	0.316	0.321	0.327	0.305	10.64
41) TP	Benzene	0.899	0.761	0.855	0.867	0.892	0.883	0.899	0.904	0.870	5.41
42) TP	Tertiary-Amyl Methyl Ether		0.456	0.468	0.480	0.498	0.503	0.512	0.514	0.490	4.58
43) S	1,2-Dichloroethane-d4	0.286	0.289	0.294	0.296	0.277	0.286	0.289	0.279	0.287	2.30
44) TP	1,2-Dichloroet		0.255	0.257	0.258	0.262	0.258	0.260	0.257	0.258	0.84
47) TP	Methyl cyclohe		0.271	0.344	0.390	0.392	0.404	0.421	0.448	0.382	15.26
48) TP	Trichloroethene	0.313	0.223	0.239	0.227	0.236	0.239	0.245	0.256	0.247	11.48
50) TP	Dibromomethane		0.103	0.113	0.116	0.120	0.122	0.125	0.129	0.118	7.21
51) TC	1,2-Dichloropr		0.179	0.197	0.206	0.211	0.210	0.215	0.222	0.206	6.75
53) TP	2-Chloroethyl		0.080	0.097	0.104	0.108	0.111	0.112	0.112	0.103	11.27
54) TP	Bromodichlorom		0.239	0.264	0.281	0.304	0.306	0.313	0.317	0.289	9.99
57) TP	1,4-Dioxane		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001#	5.94
58) TP	cis-1,3-Dichlo		0.278	0.308	0.332	0.351	0.361	0.372	0.386	0.341	11.15
59) I	Chlorobenzene-d5	----------ISTD----------									
60) S	Toluene-d8	1.285	1.278	1.303	1.307	1.282	1.257	1.223	1.188	1.265	3.26
61) TC	Toluene		0.621	0.733	0.734	0.750	0.733	0.735	0.734	0.720	6.13
62) TP	4-Methyl-2-pen		0.044	0.048	0.054	0.055	0.057	0.058	0.058	0.053#	10.12
63) TP	Tetrachloroethene		0.276	0.348	0.354	0.359	0.355	0.353	0.353	0.343	8.67
65) TP	trans-1,3-Dich		0.295	0.315	0.355	0.375	0.372	0.374	0.367	0.350	9.25
67) TP	Ethyl methacry		0.207	0.225	0.250	0.262	0.265	0.267	0.263	0.249	9.44
68) TP	1,1,2-Trichlor		0.148	0.162	0.170	0.169	0.166	0.166	0.163	0.164	4.63
69) TP	Chlorodibromom		0.207	0.227	0.262	0.282	0.287	0.288	0.283	0.262	12.42
70) TP	1,3-Dichloropr		0.331	0.343	0.389	0.391	0.380	0.374	0.363	0.367	6.27
71) TP	1,2-Dibromoethane		0.165	0.186	0.201	0.202	0.201	0.198	0.190	0.192	6.87
72) TP	2-Hexanone		0.103	0.091	0.088	0.088	0.088	0.086	0.082	0.090#	7.11
73) TP	Chlorobenzene		0.672	0.773	0.775	0.798	0.787	0.798	0.796	0.771	5.83
74) TC	Ethylbenzene		1.216	1.396	1.401	1.427	1.390	1.385	1.317	1.362	5.32
75) TP	1,1,1,2-Tetrac		0.222	0.248	0.272	0.281	0.272	0.270	0.261	0.261	7.71
76) TP	p/m Xylene		0.453	0.537	0.552	0.567	0.564	0.561	0.525	0.537	7.44
77) TP	o Xylene		0.442	0.507	0.526	0.544	0.544	0.544	0.508	0.517	7.13
78) TP	Styrene		0.680	0.791	0.852	0.877	0.860	0.836	0.727	0.803	9.25
79) I	1,4-Dichlorobenzene-d4	----------ISTD----------									
80) TP	Bromoform		0.189	0.210	0.258	0.285	0.294	0.294	0.288	0.260	16.76
82) TP	Isopropylbenzene		2.226	2.639	2.683	2.776	2.770	2.785	2.717	2.657	7.42
83) S	4-Bromofluorobenzene	0.951	0.948	0.950	0.928	0.943	0.934	0.941	0.933	0.941	0.93
84) TP	Bromobenzene		0.556	0.611	0.622	0.654	0.655	0.670	0.697	0.638	7.24

Initial Calibration Summary
Form 6
Volatiles

Client	**: LaBella Associates, P.C.**	**Lab Number**	**: L2020006**
Project Name	**: JEFFERSON WOLLENSACK**	**Project Number**	**: 2182207**
Instrument ID	**: VOA105**	**Ical Ref**	**: ICAL16595**
Calibration dates	**: 03/13/20 20:45 03/14/20 00:13**		

Calibration Files
L11 =V05200313N04.d L1 =V05200313N06.d L2 =V05200313N08.d L3 =V05200313N09.d L4 =V05200313N10.d
L6 =V05200313N11.d L8 =V05200313N12.d L10 =V05200313N13.d

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
85) TP	n-Propylbenzene		2.546	3.059	3.091	3.191	3.183	3.164	3.008	3.034	7.45
86) TP	1,4-Dichlorobu		0.537	0.537	0.530	0.528	0.520	0.519	0.521	0.528	1.47
87) TP	1,1,2,2-Tetrac		0.357	0.380	0.381	0.395	0.407	0.417	0.429	0.395	6.25
88) TP	4-Ethyltoluene		2.050	2.435	2.566	2.674	2.679	2.689	2.606	2.528	9.05
89) TP	2-Chlorotoluene		1.506	1.698	1.776	1.770	1.723	1.740	1.809	1.718	5.84
90) TP	1,3,5-Trimethy		1.759	2.076	2.144	2.229	2.206	2.215	2.172	2.115	7.80
91) TP	1,2,3-Trichlor		0.357	0.325	0.324	0.329	0.332	0.330	0.333	0.333	3.37
92) TP	trans-1,4-Dich		0.079	0.092	0.084	0.092	0.098	0.096	0.093	0.091	7.18
93) TP	4-Chlorotoluene		1.646	1.785	1.821	1.856	1.830	1.860	1.872	1.810	4.31
94) TP	tert-Butylbenzene		1.523	1.845	1.889	1.951	1.963	1.973	1.971	1.874	8.64
97) TP	1,2,4-Trimethy		1.777	2.006	2.088	2.174	2.156	2.172	2.120	2.070	6.87
98) TP	sec-Butylbenzene		2.197	2.672	2.706	2.785	2.773	2.748	2.596	2.640	7.79
99) TP	p-Isopropyltol		1.845	2.201	2.317	2.406	2.431	2.411	2.301	2.273	9.03
100) TP	1,3-Dichlorobe		1.031	1.149	1.173	1.213	1.192	1.200	1.219	1.168	5.57
101) TP	1,4-Dichlorobe		1.094	1.174	1.166	1.193	1.187	1.194	1.210	1.174	3.24
102) TP	p-Diethylbenzene		1.026	1.190	1.309	1.395	1.418	1.442	1.459	1.320	12.09
103) TP	n-Butylbenzene		1.595	1.941	1.946	2.039	2.018	2.021	1.971	1.933	7.96
104) TP	1,2-Dichlorobe		0.940	1.015	1.034	1.059	1.046	1.057	1.066	1.031	4.22
105) TP	1,2,4,5-Tetram		1.511	1.737	1.878	2.014	2.071	2.102	2.027	1.906	11.27
106) TP	1,2-Dibromo-3-		0.039	0.042	0.049	0.055	0.059	0.061	0.063	0.052	18.16
107) TP	1,3,5-Trichlor		0.659	0.724	0.757	0.797	0.814	0.826	0.855	0.776	8.71
108) TP	Hexachlorobuta		0.221	0.299	0.292	0.314	0.328	0.341	0.361	0.308	14.69
109) TP	1,2,4-Trichlor		0.581	0.602	0.605	0.644	0.668	0.684	0.706	0.642	7.32
110) TP	Naphthalene		0.979	1.024	1.004	1.060	1.107	1.138	1.136	1.064	6.07
111) TP	1,2,3-Trichlor		0.464	0.460	0.457	0.489	0.508	0.524	0.530	0.490	6.26

Initial Calibration Summary
Form 6
Volatiles

Client	**: LaBella Associates, P.C.**	**Lab Number**	**: L2020006**
Project Name	**: JEFFERSON WOLLENSACK**	**Project Number**	**: 2182207**
Instrument ID	**: ELAINE**	**Ical Ref**	**: ICAL16716**
Calibration dates	**: 04/21/20 16:55 04/21/20 20:10**		

Calibration Files
L11 =VE200421N08.D L1 =VE200421N10.D L2 =VE200421N12.D L3 =VE200421N13.D L4 =VE200421N14.D
L6 =VE200421N15.D L8 =VE200421N16.D L10 =VE200421N17.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1)	I	Fluorobenzene	----------ISTD----------									
2)	TP	Dichlorodifluo		0.115	0.145	0.189	0.176	0.178	0.175	0.170	0.164	15.51
3)	TP	Chloromethane		0.175	0.253	0.284	0.262	0.257	0.263	0.252	0.249	13.76
4)	TC	Vinyl chloride	0.245	0.160	0.218	0.248	0.244	0.242	0.244	0.233	0.229	12.86
5)	TP	Bromomethane		0.097	0.125	0.133	0.126	0.125	0.129	0.128	0.124	9.58
6)	TP	Chloroethane		0.112	0.128	0.152	0.135	0.137	0.136	0.126	0.132	9.40
7)	TP	Trichlorofluor		0.155	0.226	0.277	0.271	0.280	0.274	0.264	0.250	18.20
8)	TP	Ethyl ether		0.102	0.108	0.120	0.107	0.110	0.107	0.106	0.109	5.16
10)	TC	1,1-Dichloroet		0.113	0.148	0.186	0.171	0.182	0.177	0.178	0.165	15.72
11)	TP	Carbon disulfide		0.253	0.335	0.435	0.401	0.402	0.407	0.392	0.375	16.48
12)	TP	Freon-113		0.102	0.145	0.193	0.181	0.190	0.185	0.182	0.168	19.79
13)	TP	Iodomethane			0.140	0.206	0.214	0.242	0.234	0.223	0.210	17.39
14)	TP	Acrolein			0.022	0.031	0.027	0.027	0.028	0.027	0.027#	11.22
15)	TP	Methylene chlo		0.177	0.190	0.207	0.183	0.188	0.191	0.182	0.188	5.02
17)	TP	Acetone			0.052	0.051	0.043	0.042	0.044	0.042	0.046#	9.75
18)	TP	trans-1,2-Dich		0.113	0.151	0.186	0.175	0.179	0.176	0.177	0.165	15.51
19)	TP	Methyl acetate		0.160	0.147	0.142	0.127	0.127	0.128	0.126	0.137	9.68
20)	TP	Methyl tert butyl ether		0.448	0.500	0.580	0.513	0.514	0.515	0.505	0.511	7.51
21)	TP	tert-Butyl alc		0.015	0.015	0.018	0.016	0.017	0.017	0.016	0.016#	7.10
22)	TP	Diisopropyl ether		0.646	0.792	0.871	0.815	0.808	0.823	0.781	0.791	8.84
23)	TP	1,1-Dichloroet		0.282	0.338	0.405	0.380	0.379	0.383	0.374	0.363	11.31
24)	TP	Halothane			0.138	0.165	0.155	0.158	0.159	0.156	0.155	5.82
25)	TP	Acrylonitrile		0.050	0.061	0.068	0.064	0.062	0.063	0.062	0.061	9.07
26)	TP	Ethyl tert-but		0.600	0.684	0.762	0.697	0.705	0.717	0.684	0.693	7.03
27)	TP	Vinyl acetate		0.412	0.510	0.609	0.546	0.561	0.572	0.536	0.535	11.64
28)	TP	cis-1,2-Dichlo		0.152	0.197	0.229	0.220	0.223	0.217	0.219	0.208	12.80
29)	TP	2,2-Dichloropr		0.195	0.266	0.313	0.298	0.307	0.301	0.290	0.281	14.61
30)	TP	Bromochloromet		0.072	0.083	0.103	0.098	0.098	0.095	0.087	0.091	11.83
31)	TP	Cyclohexane		0.251	0.330	0.425	0.419	0.429	0.426	0.416	0.385	17.79
32)	TC	Chloroform		0.266	0.325	0.349	0.330	0.325	0.332	0.321	0.321	8.09
33)	TP	Ethyl acetate		0.159	0.176	0.187	0.172	0.175	0.175	0.170	0.173	4.75
34)	TP	Carbon tetrachloride	0.257	0.166	0.220	0.268	0.261	0.267	0.265	0.262	0.246	14.53
35)	TP	Tetrahydrofuran			0.047	0.052	0.048	0.049	0.050	0.048	0.049#	3.62
36)	S	Dibromofluoromethane	0.238	0.238	0.231	0.239	0.233	0.241	0.243	0.239	0.238	1.64
37)	TP	1,1,1-Trichlor		0.210	0.264	0.323	0.299	0.306	0.307	0.300	0.287	13.36
39)	TP	2-Butanone			0.083	0.078	0.072	0.072	0.073	0.074	0.075#	5.68

Initial Calibration Summary
Form 6
Volatiles

Client	**: LaBella Associates, P.C.**	**Lab Number**	**: L2020006**
Project Name	**: JEFFERSON WOLLENSACK**	**Project Number**	**: 2182207**
Instrument ID	**: ELAINE**	**Ical Ref**	**: ICAL16716**
Calibration dates	**: 04/21/20 16:55 04/21/20 20:10**		

Calibration Files
L11 =VE200421N08.D L1 =VE200421N10.D L2 =VE200421N12.D L3 =VE200421N13.D L4 =VE200421N14.D
L6 =VE200421N15.D L8 =VE200421N16.D L10 =VE200421N17.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
40)	TP	1,1-Dichloropr		0.159	0.242	0.278	0.262	0.275	0.274	0.269	0.251	16.86
41)	TP	Benzene	0.918	0.614	0.734	0.862	0.796	0.810	0.815	0.780	0.791	11.35
42)	TP	Tertiary-Amyl Methyl Ether		0.492	0.530	0.620	0.558	0.563	0.569	0.540	0.553	7.10
43)	S	1,2-Dichloroethane-d4	0.287	0.282	0.287	0.279	0.274	0.276	0.286	0.282	0.282	1.74
44)	TP	1,2-Dichloroet		0.212	0.237	0.282	0.254	0.256	0.258	0.245	0.249	8.71
47)	TP	Methyl cyclohe		0.216	0.265	0.374	0.360	0.372	0.368	0.356	0.330	19.07
48)	TP	Trichloroethene	0.250	0.150	0.168	0.198	0.193	0.199	0.200	0.193	0.194#	14.96
50)	TP	Dibromomethane		0.082	0.098	0.111	0.100	0.099	0.102	0.098	0.099	8.77
51)	TC	1,2-Dichloropr		0.183	0.199	0.237	0.216	0.215	0.219	0.211	0.212	8.02
53)	TP	2-Chloroethyl		0.103	0.113	0.130	0.122	0.121	0.122	0.118	0.119	7.16
54)	TP	Bromodichlorom		0.196	0.226	0.261	0.247	0.249	0.258	0.246	0.240	9.31
57)	TP	1,4-Dioxane		0.001	0.001	0.002	0.001	0.001	0.001	0.001	0.001#	6.40
58)	TP	cis-1,3-Dichlo		0.242	0.299	0.350	0.320	0.327	0.331	0.316	0.312	11.03
59)	I	Chlorobenzene-d5	----------ISTD----------									
60)	S	Toluene-d8	1.346	1.339	1.342	1.330	1.362	1.359	1.357	1.371	1.351	1.01
61)	TC	Toluene		0.530	0.626	0.704	0.695	0.691	0.697	0.685	0.661	9.61
62)	TP	4-Methyl-2-pen		0.071	0.082	0.092	0.092	0.090	0.092	0.090	0.087#	9.31
63)	TP	Tetrachloroethene		0.202	0.264	0.299	0.298	0.297	0.294	0.293	0.278	12.90
65)	TP	trans-1,3-Dich		0.343	0.348	0.395	0.389	0.385	0.392	0.385	0.377	5.80
67)	TP	Ethyl methacry		0.242	0.266	0.319	0.310	0.307	0.310	0.302	0.293	9.73
68)	TP	1,1,2-Trichlor		0.157	0.180	0.189	0.173	0.173	0.173	0.170	0.174	5.56
69)	TP	Chlorodibromom		0.194	0.224	0.256	0.247	0.248	0.251	0.246	0.238	9.14
70)	TP	1,3-Dichloropr		0.326	0.366	0.389	0.374	0.365	0.368	0.360	0.364	5.29
71)	TP	1,2-Dibromoethane		0.170	0.205	0.214	0.208	0.204	0.205	0.203	0.201	7.02
72)	TP	2-Hexanone		0.168	0.146	0.174	0.166	0.163	0.160	0.158	0.162	5.46
73)	TP	Chlorobenzene		0.612	0.681	0.765	0.743	0.726	0.726	0.693	0.706	7.14
74)	TC	Ethylbenzene		0.931	1.178	1.318	1.304	1.266	1.249	1.166	1.202	11.03
75)	TP	1,1,1,2-Tetrac		0.192	0.254	0.281	0.271	0.265	0.269	0.259	0.256	11.54
76)	TP	p/m Xylene		0.374	0.445	0.527	0.516	0.508	0.506	0.476	0.479	11.29
77)	TP	o Xylene		0.387	0.440	0.500	0.484	0.477	0.473	0.447	0.458	8.20
78)	TP	Styrene		0.603	0.720	0.835	0.816	0.789	0.770	0.688	0.746	10.90
79)	I	1,4-Dichlorobenzene-d4	----------ISTD----------									
80)	TP	Bromoform		0.224	0.277	0.309	0.296	0.300	0.297	0.279	0.283	10.05
82)	TP	Isopropylbenzene		1.931	2.243	2.634	2.577	2.493	2.421	2.142	2.349	10.83
83)	S	4-Bromofluorobenzene	0.956	0.971	0.976	0.960	0.967	0.961	0.963	0.916	0.959	1.90
84)	TP	Bromobenzene		0.505	0.574	0.630	0.599	0.582	0.584	0.548	0.574	6.87

Initial Calibration Summary
Form 6
Volatiles

Client	**: LaBella Associates, P.C.**	**Lab Number**	**: L2020006**
Project Name	**: JEFFERSON WOLLENSACK**	**Project Number**	**: 2182207**
Instrument ID	**: ELAINE**	**Ical Ref**	**: ICAL16716**
Calibration dates	**: 04/21/20 16:55 04/21/20 20:10**		

Calibration Files
L11 =VE200421N08.D L1 =VE200421N10.D L2 =VE200421N12.D L3 =VE200421N13.D L4 =VE200421N14.D
L6 =VE200421N15.D L8 =VE200421N16.D L10 =VE200421N17.D

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
85) TP	n-Propylbenzene		2.152	2.535	2.982	2.915	2.801	2.721	2.361	2.638	11.49
86) TP	1,4-Dichlorobu		0.754	0.822	0.912	0.832	0.802	0.796	0.743	0.809	6.95
87) TP	1,1,2,2-Tetrac		0.448	0.454	0.490	0.463	0.452	0.451	0.435	0.456	3.78
88) TP	4-Ethyltoluene		1.720	2.108	2.502	2.421	2.372	2.319	2.076	2.217	12.15
89) TP	2-Chlorotoluene		1.566	1.816	2.030	1.957	1.893	1.896	1.734	1.842	8.37
90) TP	1,3,5-Trimethy		1.551	1.942	2.209	2.135	2.055	2.039	1.833	1.966	11.20
91) TP	1,2,3-Trichlor		0.376	0.414	0.410	0.393	0.379	0.376	0.362	0.387	4.98
92) TP	trans-1,4-Dich		0.153	0.163	0.157	0.154	0.156	0.155	0.149	0.155	2.85
93) TP	4-Chlorotoluene		1.397	1.639	1.854	1.759	1.716	1.726	1.572	1.666	8.91
94) TP	tert-Butylbenzene		1.409	1.960	2.164	2.108	2.042	2.027	1.833	1.935	13.18
95) TP	Pentachloroethane		0.275	0.319	0.367	0.362	0.359	0.364	0.342	0.341	9.81
97) TP	1,2,4-Trimethy		1.432	1.906	2.199	2.103	2.036	2.029	1.823	1.933	13.08
98) TP	sec-Butylbenzene		1.632	2.184	2.622	2.553	2.461	2.416	2.133	2.286	14.88
99) TP	p-Isopropyltol		1.631	2.002	2.425	2.333	2.269	2.222	1.965	2.121	12.89
100) TP	1,3-Dichlorobe		0.957	1.079	1.206	1.133	1.109	1.129	1.056	1.096	7.05
101) TP	1,4-Dichlorobe		0.970	1.103	1.194	1.128	1.107	1.122	1.056	1.097	6.33
102) TP	p-Diethylbenzene		0.813	1.105	1.369	1.354	1.322	1.341	1.247	1.222	16.52
103) TP	n-Butylbenzene		1.119	1.634	2.049	2.021	1.966	1.956	1.767	1.788	18.47
104) TP	1,2-Dichlorobe		0.973	0.995	1.135	1.051	1.026	1.037	0.981	1.029	5.38
105) TP	1,2,4,5-Tetram		1.503	1.856	2.206	2.068	2.047	2.043	1.856	1.940	11.80
106) TP	1,2-Dibromo-3-		0.076	0.076	0.078	0.078	0.080	0.082	0.083	0.079	3.48
107) TP	1,3,5-Trichlor		0.591	0.771	0.847	0.794	0.791	0.800	0.756	0.764	10.64
108) TP	Hexachlorobuta		0.192	0.237	0.317	0.297	0.288	0.299	0.281	0.273	15.91
109) TP	1,2,4-Trichlor		0.641	0.645	0.764	0.727	0.732	0.748	0.711	0.710	6.85
110) TP	Naphthalene		1.376	1.559	1.695	1.625	1.636	1.656	1.557	1.586	6.63
111) TP	1,2,3-Trichlor		0.541	0.636	0.691	0.658	0.671	0.678	0.643	0.646	7.77

Response Factor Report VOA 105

Method Path : I:\VOLATILES\VOA105\2020\200313N\
Method File : V105_200313N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Sun Mar 15 01:23:14 2020
Response Via : Initial Calibration

Calibration Files
L11 =V05200313N04.d L1 =V05200313N06.d L2 =V05200313N08.d L3 =V05200313N09.d L4 =V05200313N10.d
L6 =V05200313N11.d L8 =V05200313N12.d L10 =V05200313N13.d

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1)	I	Fluorobenzene	----------ISTD----------									
2)	TP	Dichlorodifluo...		0.143	0.201	0.219	0.219	0.224	0.229	0.242	0.211	15.31
3)	TP	Chloromethane		0.163	0.196	0.204	0.211	0.210	0.218	0.229	0.205	10.25
4)	TC	Vinyl chloride	0.279	0.185	0.246	0.258	0.261	0.266	0.273	0.285	0.257	12.19
5)	TP	Bromomethane		0.108	0.133	0.127	0.140	0.150	0.161	0.170	0.141	14.88
6)	TP	Chloroethane		0.124	0.140	0.134	0.137	0.126	0.123	0.106	0.127	8.95
7)	TP	Trichlorofluor...		0.277	0.360	0.387	0.389	0.386	0.390	0.395	0.369	11.37
8)	TP	Ethyl ether		0.108	0.098	0.096	0.097	0.097	0.098	0.097	0.099	4.04
10)	TC	1,1-Dichloroet...		0.154	0.191	0.187	0.190	0.198	0.204	0.216	0.191	10.13
11)	TP	Carbon disulfide		0.403	0.485	0.501	0.528	0.558	0.580	0.613	0.524	13.29
12)	TP	Freon-113		0.132	0.180	0.195	0.195	0.201	0.206	0.215	0.189	14.51
13)	TP	Iodomethane		0.198	0.255	0.283	0.312	0.320	0.326	0.322	0.288	16.43
14)	TP	Acrolein		0.023	0.017	0.015	0.015	0.015	0.015	0.015	0.017#	17.58
15)	TP	Methylene chlo...		0.215	0.204	0.201	0.209	0.209	0.215	0.222	0.211	3.35
17)	TP	Acetone			0.044	0.030	0.028	0.028	0.028	0.027	*L	1.0000
18)	TP	trans-1,2-Dich...		0.177	0.215	0.209	0.220	0.221	0.228	0.237	0.215	8.90
19)	TP	Methyl acetate		0.104	0.080	0.076	0.079	0.082	0.083	0.082	0.084#	11.32
20)	TP	Methyl tert-bu...		0.435	0.440	0.453	0.473	0.475	0.483	0.482	0.463	4.35
21)	TP	tert-Butyl alc...		0.009	0.008	0.008	0.008	0.008	0.008	0.008	0.008#	3.83
22)	TP	Diisopropyl ether		0.514	0.560	0.565	0.596	0.590	0.604	0.620	0.578	6.07
23)	TP	1,1-Dichloroet...		0.326	0.376	0.376	0.392	0.386	0.395	0.404	0.379	6.70
24)	TP	Halothane		0.123	0.157	0.166	0.176	0.175	0.179	0.186	0.166	12.83
25)	TP	Acrylonitrile		0.036	0.034	0.034	0.036	0.037	0.038	0.039	0.036#	5.06
26)	TP	Ethyl tert-but...		0.480	0.493	0.518	0.545	0.547	0.562	0.574	0.531	6.67
27)	TP	Vinyl acetate		0.274	0.264	0.271	0.291	0.317	0.334	0.346	0.300	10.93
28)	TP	cis-1,2-Dichlo...		0.203	0.234	0.228	0.238	0.235	0.242	0.250	0.233	6.47
29)	TP	2,2-Dichloropr...		0.279	0.343	0.330	0.339	0.339	0.348	0.352	0.333	7.41
30)	TP	Bromochloromet...		0.092	0.102	0.106	0.108	0.108	0.111	0.110	0.105	6.25
31)	TP	Cyclohexane		0.242	0.316	0.344	0.342	0.348	0.362	0.383	0.334	13.54
32)	TC	Chloroform		0.363	0.375	0.385	0.397	0.382	0.389	0.391	0.383	2.99
33)	TP	Ethyl acetate		0.090	0.098	0.101	0.106	0.108	0.110	0.111	0.104	7.10

Response Factor Report VOA 105

Method Path : I:\VOLATILES\VOA105\2020\200313N\
Method File : V105_200313N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Sun Mar 15 01:23:14 2020
Response Via : Initial Calibration

Calibration Files
L11 =V05200313N04.d L1 =V05200313N06.d L2 =V05200313N08.d L3 =V05200313N09.d L4 =V05200313N10.d
L6 =V05200313N11.d L8 =V05200313N12.d L10 =V05200313N13.d

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
34)	TP	Carbon tetrach...	0.349	0.261	0.338	0.337	0.358	0.361	0.369	0.376	0.344	10.50
35)	TP	Tetrahydrofuran		0.073	0.048	0.032	0.031	0.030	0.030	0.030	*L	0.9997
36)	S	Dibromofluorom...	0.263	0.264	0.265	0.267	0.268	0.270	0.271	0.274	0.268	1.35
37)	TP	1,1,1-Trichlor...		0.296	0.372	0.378	0.384	0.378	0.381	0.383	0.367	8.65
39)	TP	2-Butanone		0.045	0.039	0.044	0.044	0.045	0.045	0.045	0.044#	5.21
40)	TP	1,1-Dichloropr...		0.233	0.314	0.307	0.318	0.316	0.321	0.327	0.305	10.64
41)	TP	Benzene	0.899	0.761	0.855	0.867	0.892	0.883	0.899	0.904	0.870	5.41
42)	TP	tert-Amyl meth...		0.456	0.468	0.480	0.498	0.503	0.512	0.514	0.490	4.58
43)	S	1,2-Dichloroet...	0.286	0.289	0.294	0.296	0.277	0.286	0.289	0.279	0.287	2.30
44)	TP	1,2-Dichloroet...		0.255	0.257	0.258	0.262	0.258	0.260	0.257	0.258	0.84
47)	TP	Methyl cyclohe...		0.271	0.344	0.390	0.392	0.404	0.421	0.448	0.382	15.26
48)	TP	Trichloroethene	0.313	0.223	0.239	0.227	0.236	0.239	0.245	0.256	0.247	11.48
50)	TP	Dibromomethane		0.103	0.113	0.116	0.120	0.122	0.125	0.129	0.118	7.21
51)	TC	1,2-Dichloropr...		0.179	0.197	0.206	0.211	0.210	0.215	0.222	0.206	6.75
53)	TP	2-Chloroethyl ...		0.080	0.097	0.104	0.108	0.111	0.112	0.112	0.103	11.27
54)	TP	Bromodichlorom...		0.239	0.264	0.281	0.304	0.306	0.313	0.317	0.289	9.99
57)	TP	1,4-Dioxane		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001#	5.94
58)	TP	cis-1,3-Dichlo...		0.278	0.308	0.332	0.351	0.361	0.372	0.386	0.341	11.15
59)	I	Chlorobenzene-d5	----------ISTD----------									
60)	S	Toluene-d8	1.285	1.278	1.303	1.307	1.282	1.257	1.223	1.188	1.265	3.26
61)	TC	Toluene		0.621	0.733	0.734	0.750	0.733	0.735	0.734	0.720	6.13
62)	TP	4-Methyl-2-pen...		0.044	0.048	0.054	0.055	0.057	0.058	0.058	0.053#	10.12
63)	TP	Tetrachloroethene		0.276	0.348	0.354	0.359	0.355	0.353	0.353	0.343	8.67
65)	TP	trans-1,3-Dich...		0.295	0.315	0.355	0.375	0.372	0.374	0.367	0.350	9.25
67)	TP	Ethyl methacry...		0.207	0.225	0.250	0.262	0.265	0.267	0.263	0.249	9.44
68)	TP	1,1,2-Trichlor...		0.148	0.162	0.170	0.169	0.166	0.166	0.163	0.164	4.63
69)	TP	Chlorodibromom...		0.207	0.227	0.262	0.282	0.287	0.288	0.283	0.262	12.42
70)	TP	1,3-Dichloropr...		0.331	0.343	0.389	0.391	0.380	0.374	0.363	0.367	6.27
71)	TP	1,2-Dibromoethane		0.165	0.186	0.201	0.202	0.201	0.198	0.190	0.192	6.87
72)	TP	2-Hexanone		0.103	0.091	0.088	0.088	0.088	0.086	0.082	0.090#	7.11
73)	TP	Chlorobenzene		0.672	0.773	0.775	0.798	0.787	0.798	0.796	0.771	5.83

Method Path : I:\VOLATILES\VOA105\2020\200313N\
Method File : V105_200313N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Sun Mar 15 01:23:14 2020
Response Via : Initial Calibration

Calibration Files
L11 =V05200313N04.d L1 =V05200313N06.d L2 =V05200313N08.d L3 =V05200313N09.d L4 =V05200313N10.d
L6 =V05200313N11.d L8 =V05200313N12.d L10 =V05200313N13.d

		Compound		L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
74)	TC	Ethylbenzene		1.216	1.396	1.401	1.427	1.390	1.385	1.317	1.362	5.32	
75)	TP	1,1,1,2-Tetrac...		0.222	0.248	0.272	0.281	0.272	0.270	0.261	0.261	7.71	
76)	TP	p/m Xylene		0.453	0.537	0.552	0.567	0.564	0.561	0.525	0.537	7.44	
77)	TP	o Xylene		0.442	0.507	0.526	0.544	0.544	0.544	0.508	0.517	7.13	
78)	TP	Styrene		0.680	0.791	0.852	0.877	0.860	0.836	0.727	0.803	9.25	
79)	I	1,4-Dichlorobenzene-d4	----------ISTD----------										
80)	TP	Bromoform		0.189	0.210	0.258	0.285	0.294	0.294	0.288	0.260	16.76	
82)	TP	Isopropylbenzene		2.226	2.639	2.683	2.776	2.770	2.785	2.717	2.657	7.42	
83)	S	4-Bromofluorob...	0.951	0.948	0.950	0.928	0.943	0.934	0.941	0.933	0.941	0.93	
84)	TP	Bromobenzene		0.556	0.611	0.622	0.654	0.655	0.670	0.697	0.638	7.24	
85)	TP	n-Propylbenzene		2.546	3.059	3.091	3.191	3.183	3.164	3.008	3.034	7.45	
86)	TP	1,4-Dichlorobu...		0.537	0.537	0.530	0.528	0.520	0.519	0.521	0.528	1.47	
87)	TP	1,1,2,2-Tetrac...		0.357	0.380	0.381	0.395	0.407	0.417	0.429	0.395	6.25	
88)	TP	4-Ethyltoluene		2.050	2.435	2.566	2.674	2.679	2.689	2.606	2.528	9.05	
89)	TP	2-Chlorotoluene		1.506	1.698	1.776	1.770	1.723	1.740	1.809	1.718	5.84	
90)	TP	1,3,5-Trimethy...		1.759	2.076	2.144	2.229	2.206	2.215	2.172	2.115	7.80	
91)	TP	1,2,3-Trichlor...		0.357	0.325	0.324	0.329	0.332	0.330	0.333	0.333	3.37	
92)	TP	trans-1,4-Dich...		0.079	0.092	0.084	0.092	0.098	0.096	0.093	0.091	7.18	
93)	TP	4-Chlorotoluene		1.646	1.785	1.821	1.856	1.830	1.860	1.872	1.810	4.31	
94)	TP	tert-Butylbenzene		1.523	1.845	1.889	1.951	1.963	1.973	1.971	1.874	8.64	
97)	TP	1,2,4-Trimethy...		1.777	2.006	2.088	2.174	2.156	2.172	2.120	2.070	6.87	
98)	TP	sec-Butylbenzene		2.197	2.672	2.706	2.785	2.773	2.748	2.596	2.640	7.79	
99)	TP	p-Isopropyltol...		1.845	2.201	2.317	2.406	2.431	2.411	2.301	2.273	9.03	
100)	TP	1,3-Dichlorobe...		1.031	1.149	1.173	1.213	1.192	1.200	1.219	1.168	5.57	
101)	TP	1,4-Dichlorobe...		1.094	1.174	1.166	1.193	1.187	1.194	1.210	1.174	3.24	
102)	TP	p-Diethylbenzene		1.026	1.190	1.309	1.395	1.418	1.442	1.459	1.320	12.09	
103)	TP	n-Butylbenzene		1.595	1.941	1.946	2.039	2.018	2.021	1.971	1.933	7.96	
104)	TP	1,2-Dichlorobe...		0.940	1.015	1.034	1.059	1.046	1.057	1.066	1.031	4.22	
105)	TP	1,2,4,5-Tetram...		1.511	1.737	1.878	2.014	2.071	2.102	2.027	1.906	11.27	
106)	TP	1,2-Dibromo-3-...		0.039	0.042	0.049	0.055	0.059	0.061	0.063	0.052	18.16	
107)	TP	1,3,5-Trichlor...		0.659	0.724	0.757	0.797	0.814	0.826	0.855	0.776	8.71	

Method Path : I:\VOLATILES\VOA105\2020\200313N\
Method File : V105_200313N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Sun Mar 15 01:23:14 2020
Response Via : Initial Calibration

Calibration Files
L11 =V05200313N04.d L1 =V05200313N06.d L2 =V05200313N08.d L3 =V05200313N09.d L4 =V05200313N10.d
L6 =V05200313N11.d L8 =V05200313N12.d L10 =V05200313N13.d

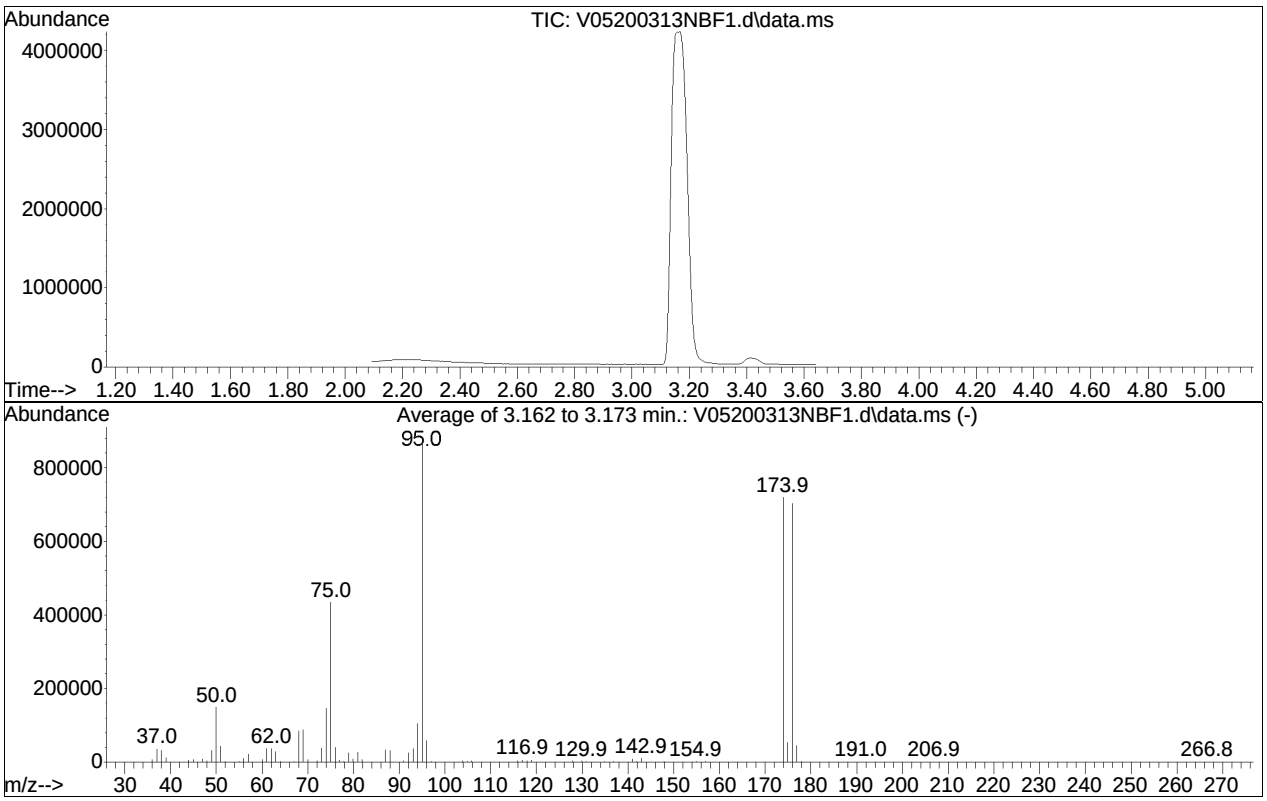
	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
108)	TP Hexachlorobuta...	0.221	0.299	0.292	0.314	0.328	0.341	0.361	0.308	14.69	
109)	TP 1,2,4-Trichlor...	0.581	0.602	0.605	0.644	0.668	0.684	0.706	0.642	7.32	
110)	TP Naphthalene	0.979	1.024	1.004	1.060	1.107	1.138	1.136	1.064	6.07	
111)	TP 1,2,3-Trichlor...	0.464	0.460	0.457	0.489	0.508	0.524	0.530	0.490	6.26	

(#) = Out of Range

Data Path : I:\VOLATILES\VOA105\2020\200313N\
Data File : V05200313NBF1.d
Acq On : 13 Mar 2020 19:15
Operator : VOA105:MAB
Sample : WG1351154-1
Misc : WG1351154
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\VOLATILES\Flanders\2020\200315B\F_200225_624_1.M
Title : VOLATILES BY GC/MS
Last Update : Wed Feb 26 08:05:42 2020



AutoFind: Scans 197, 198, 199; Background Corrected with Scan 180

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.1	148647	PASS
75	95	30	60	50.1	434667	PASS
95	95	100	100	100.0	868220	PASS
96	95	5	9	6.8	58984	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	82.9	719872	PASS
175	174	5	9	7.3	52840	PASS
176	174	95	101	97.6	702763	PASS
177	176	5	9	6.5	45619	PASS

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2020\200313N\
Data File : V05200313N04.d
Acq On : 13 Mar 2020 8:45 pm
Operator : VOA105:MAB
Sample : I8260STDL0.15PPB
Misc : WG1351154
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 15 00:54:54 2020
Quant Method : I:\VOLATILES\VOA105\2020\200313N\V105_200313N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Mar 15 00:46:55 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2020\200313N\V05200313N09.d
Sub List : 8260-L11 - Level 11 for 8260-LRR product

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.036	96	717246	10.000	ug/L	0.00
Standard Area 1 = 712253			Recovery = 100.70%			
59) Chlorobenzene-d5	9.559	117	557557	10.000	ug/L	-0.01
Standard Area 1 = 545597			Recovery = 102.19%			
79) 1,4-Dichlorobenzene-d4	12.253	152	285801	10.000	ug/L	-0.01
Standard Area 1 = 289866			Recovery = 98.60%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.234	113	188771	9.872	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.72%			
43) 1,2-Dichloroethane-d4	5.762	65	205284	9.669	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.69%			
60) Toluene-d8	7.719	98	716616	9.837	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.37%			
83) 4-Bromofluorobenzene	11.048	95	271867	10.255	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.55%			
Target Compounds						Qvalue
4) Vinyl chloride	1.938	62	3001	0.162	ug/L	83
34) Carbon tetrachloride	5.176	117	3760	0.156	ug/L	91
41) Benzene	5.616	78	9675	0.156	ug/L #	86
48) Trichloroethene	6.212	95	3367	0.207	ug/L #	80

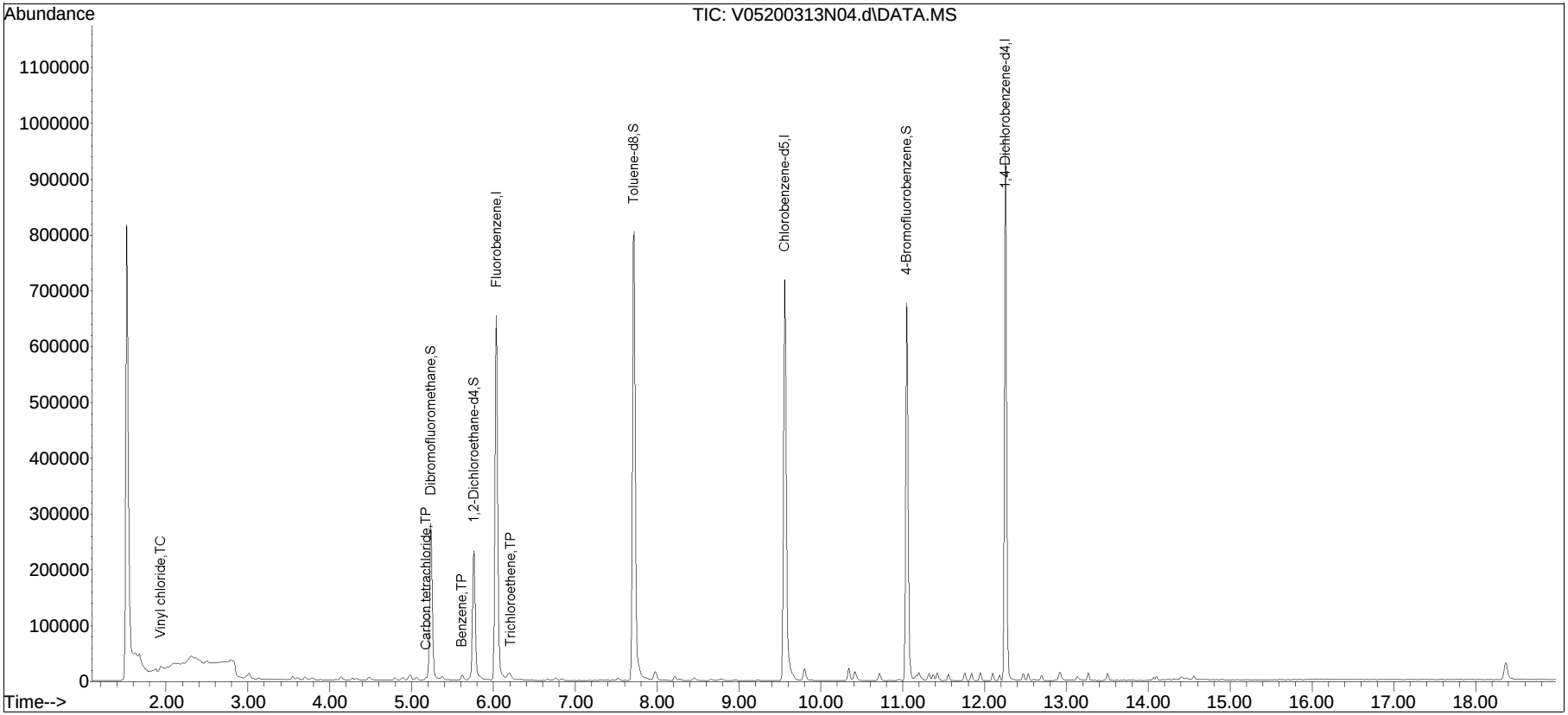
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2020\200313N\
Data File : V05200313N04.d
Acq On : 13 Mar 2020 8:45 pm
Operator : VOA105:MAB
Sample : I8260STDL0.15PPB
Misc : WG1351154
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 15 00:54:54 2020
Quant Method : I:\VOLATILES\VOA105\2020\200313N\V105_200313N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Mar 15 00:46:55 2020
Response via : Initial Calibration

Sub List : 8260-L11 - Level 11 for 8260-LRR product200313N09.d•



Manual Integration Report

Data Path	: I:\VOLATILES\VOA105\2020\2Q	Method	: V105_200313N_8260.m
Data File	: V05200313N04.d	Operator	: VOA105:MAB
Date Inj'd	: 3/13/2020 8:45 pm	Instrument	: VOA 105
Sample	: I8260STDL0.15PPB	Quant Date	: 3/15/2020 0:47 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2020\200313N\
Data File : V05200313N06.d
Acq On : 13 Mar 2020 9:31 pm
Operator : VOA105:MAB
Sample : I8260STDL0.5PPB
Misc : WG1351154
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 15 01:22:35 2020
Quant Method : I:\VOLATILES\VOA105\2020\200313N\V105_200313N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Mar 15 01:21:47 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2020\200313N\V05200313N09.d
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.036	96	709305	10.000	ug/L	0.00
Standard Area 1 = 712253			Recovery =	99.59%		
59) Chlorobenzene-d5	9.559	117	555475	10.000	ug/L	-0.01
Standard Area 1 = 545597			Recovery =	101.81%		
79) 1,4-Dichlorobenzene-d4	12.253	152	288613	10.000	ug/L	-0.01
Standard Area 1 = 289866			Recovery =	99.57%		
System Monitoring Compounds						
36) Dibromofluoromethane	5.234	113	187004	9.849	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	98.49%		
43) 1,2-Dichloroethane-d4	5.763	65	205273	10.087	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	100.87%		
60) Toluene-d8	7.719	98	709640	10.097	ug/L	-0.01
Spiked Amount 10.000	Range 70 - 130		Recovery =	100.97%		
83) 4-Bromofluorobenzene	11.048	95	273514	10.071	ug/L	-0.01
Spiked Amount 10.000	Range 70 - 130		Recovery =	100.71%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.664	85	5086	0.340	ug/L	98
3) Chloromethane	1.860	50	5785	0.399	ug/L	97
4) Vinyl chloride	1.938	62	6573	0.361	ug/L	80
5) Bromomethane	2.251	94	3840	0.383	ug/L	83
6) Chloroethane	2.369	64	4395	0.488	ug/L	83
7) Trichlorofluoromethane	2.496	101	9836	0.376	ug/L	93
8) Ethyl ether	2.789	74	3824	0.545	ug/L #	40
10) 1,1-Dichloroethene	2.985	96	5447	0.401	ug/L	88
11) Carbon disulfide	3.014	76	14275	0.384	ug/L	99
12) Freon-113	3.024	101	4679	0.349	ug/L #	70
13) Iodomethane	3.132	142	7014	0.343	ug/L	93
14) Acrolein	3.347	56	813	0.693	ug/L #	43
15) Methylene chloride	3.542	84	7618	0.510	ug/L	89
17) Acetone	3.601	43	4877	0.692	ug/L	98
18) trans-1,2-Dichloroethene	3.699	96	6267	0.411	ug/L	93
19) Methyl acetate	3.718	43	3704	0.624	ug/L #	73
20) Methyl tert-butyl ether	3.787	73	15417	0.469	ug/L	94
21) tert-Butyl alcohol	3.885	59	1569	2.711	ug/L	89
22) Diisopropyl ether	4.139	45	18243	0.445	ug/L	97
23) 1,1-Dichloroethane	4.276	63	11576	0.430	ug/L	99
24) Halothane	4.335	117	4352	0.369	ug/L	96

Data Path : I:\VOLATILES\VOA105\2020\200313N\
Data File : V05200313N06.d
Acq On : 13 Mar 2020 9:31 pm
Operator : VOA105:MAB
Sample : I8260STDL0.5PPB
Misc : WG1351154
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 15 01:22:35 2020
Quant Method : I:\VOLATILES\VOA105\2020\200313N\V105_200313N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Mar 15 01:21:47 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2020\200313N\V05200313N09.d
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	4.344	53	1270	0.492	ug/L	#	76
26) Ethyl tert-butyl ether	4.481	59	17009	0.451	ug/L		95
27) Vinyl acetate	4.520	43	9728	0.458	ug/L	#	87
28) cis-1,2-Dichloroethene	4.804	96	7184	0.435	ug/L		95
29) 2,2-Dichloropropane	4.892	77	9912	0.420	ug/L		93
30) Bromochloromethane	4.990	128	3269	0.437	ug/L		90
31) Cyclohexane	4.980	56	8586	0.363	ug/L		91
32) Chloroform	5.058	83	12861	0.473	ug/L		96
33) Ethyl acetate	5.176	43	3209	0.436	ug/L	#	90
34) Carbon tetrachloride	5.186	117	9257	0.380	ug/L		96
35) Tetrahydrofuran	5.215	42	2600	0.392	ug/L	#	54
37) 1,1,1-Trichloroethane	5.244	97	10497	0.403	ug/L		96
39) 2-Butanone	5.362	43	1581	0.509	ug/L	#	71
40) 1,1-Dichloropropene	5.371	75	8256	0.382	ug/L		96
41) Benzene	5.616	78	26999	0.438	ug/L		98
42) tert-Amyl methyl ether	5.714	73	16155	0.465	ug/L		94
44) 1,2-Dichloroethane	5.831	62	9061	0.495	ug/L		95
47) Methyl cyclohexane	6.183	83	9610	0.355	ug/L		91
48) Trichloroethene	6.213	95	7908	0.451	ug/L		88
50) Dibromomethane	6.662	93	3664	0.437	ug/L		94
51) 1,2-Dichloropropane	6.760	63	6362	0.436	ug/L	#	92
53) 2-Chloroethyl vinyl ether	7.455	63	2839	0.387	ug/L	#	61
54) Bromodichloromethane	6.829	83	8492	0.414	ug/L		100
57) 1,4-Dioxane	7.044	88	7936	106.568	ug/L	#	89
58) cis-1,3-Dichloropropene	7.523	75	9842	0.407	ug/L		96
61) Toluene	7.777	92	17244	0.431	ug/L		93
62) 4-Methyl-2-pentanone	8.227	58	1233	0.415	ug/L	#	57
63) Tetrachloroethene	8.218	166	7656	0.402	ug/L		92
65) trans-1,3-Dichloropropene	8.276	75	8183	0.421	ug/L	#	65
67) Ethyl methacrylate	8.443	69	5739	0.416	ug/L		89
68) 1,1,2-Trichloroethane	8.452	83	4103	0.452	ug/L		99
69) Chlorodibromomethane	8.668	129	5762	0.395	ug/L		97
70) 1,3-Dichloropropane	8.775	76	9195	0.451	ug/L		100
71) 1,2-Dibromoethane	8.942	107	4589	0.431	ug/L		98
72) 2-Hexanone	9.226	43	2854	0.574	ug/L	#	78
73) Chlorobenzene	9.579	112	18666	0.436	ug/L	#	81
74) Ethylbenzene	9.618	91	33782	0.447	ug/L		99
75) 1,1,1,2-Tetrachloroethane	9.667	131	6162	0.425	ug/L	#	85
76) p/m Xylene	9.804	106	25185	0.844	ug/L		87
77) o Xylene	10.343	106	24538	0.855	ug/L		89

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2020\200313N\
Data File : V05200313N06.d
Acq On : 13 Mar 2020 9:31 pm
Operator : VOA105:MAB
Sample : I8260STDL0.5PPB
Misc : WG1351154
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 15 01:22:35 2020
Quant Method : I:\VOLATILES\VOA105\2020\200313N\V105_200313N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Mar 15 01:21:47 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2020\200313N\V05200313N09.d
Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
78)	Styrene	10.411	104	37789	0.847	ug/L		90
80)	Bromoform	10.441	173	2723	0.363	ug/L		94
82)	Isopropylbenzene	10.715	105	32128	0.419	ug/L		97
84)	Bromobenzene	11.165	156	8022	0.436	ug/L		98
85)	n-Propylbenzene	11.195	91	36739	0.419	ug/L		99
86)	1,4-Dichlorobutane	11.234	55	7754	0.509	ug/L		93
87)	1,1,2,2-Tetrachloroethane	11.303	83	5147	0.451	ug/L		92
88)	4-Ethyltoluene	11.322	105	29587	0.405	ug/L		98
89)	2-Chlorotoluene	11.371	91	21731M1	0.438	ug/L		
90)	1,3,5-Trimethylbenzene	11.420	105	25389	0.416	ug/L		95
91)	1,2,3-Trichloropropane	11.440	75	5153	0.536	ug/L		93
92)	trans-1,4-Dichloro-2-b...	11.499	53	1147	0.439	ug/L	#	69
93)	4-Chlorotoluene	11.557	91	23750	0.455	ug/L		97
94)	tert-Butylbenzene	11.753	119	21985	0.407	ug/L		92
97)	1,2,4-Trimethylbenzene	11.841	105	25640	0.429	ug/L		99
98)	sec-Butylbenzene	11.949	105	31711	0.416	ug/L		97
99)	p-Isopropyltoluene	12.096	119	26618	0.406	ug/L		97
100)	1,3-Dichlorobenzene	12.184	146	14878	0.441	ug/L		97
101)	1,4-Dichlorobenzene	12.272	146	15788M2	0.466	ug/L		
102)	p-Diethylbenzene	12.478	119	14809	0.389	ug/L		96
103)	n-Butylbenzene	12.537	91	23018	0.413	ug/L		96
104)	1,2-Dichlorobenzene	12.694	146	13571	0.456	ug/L		96
105)	1,2,4,5-Tetramethylben...	13.262	119	21806	0.396	ug/L		98
106)	1,2-Dibromo-3-chloropr...	13.477	155	557	0.369	ug/L		92
107)	1,3,5-Trichlorobenzene	13.497	180	9511	0.425	ug/L		96
108)	Hexachlorobutadiene	14.065	225	3185	0.359	ug/L		94
109)	1,2,4-Trichlorobenzene	14.094	180	8387	0.453	ug/L		96
110)	Naphthalene	14.388	128	14121	0.460	ug/L		100
111)	1,2,3-Trichlorobenzene	14.555	180	6693	0.473	ug/L		95

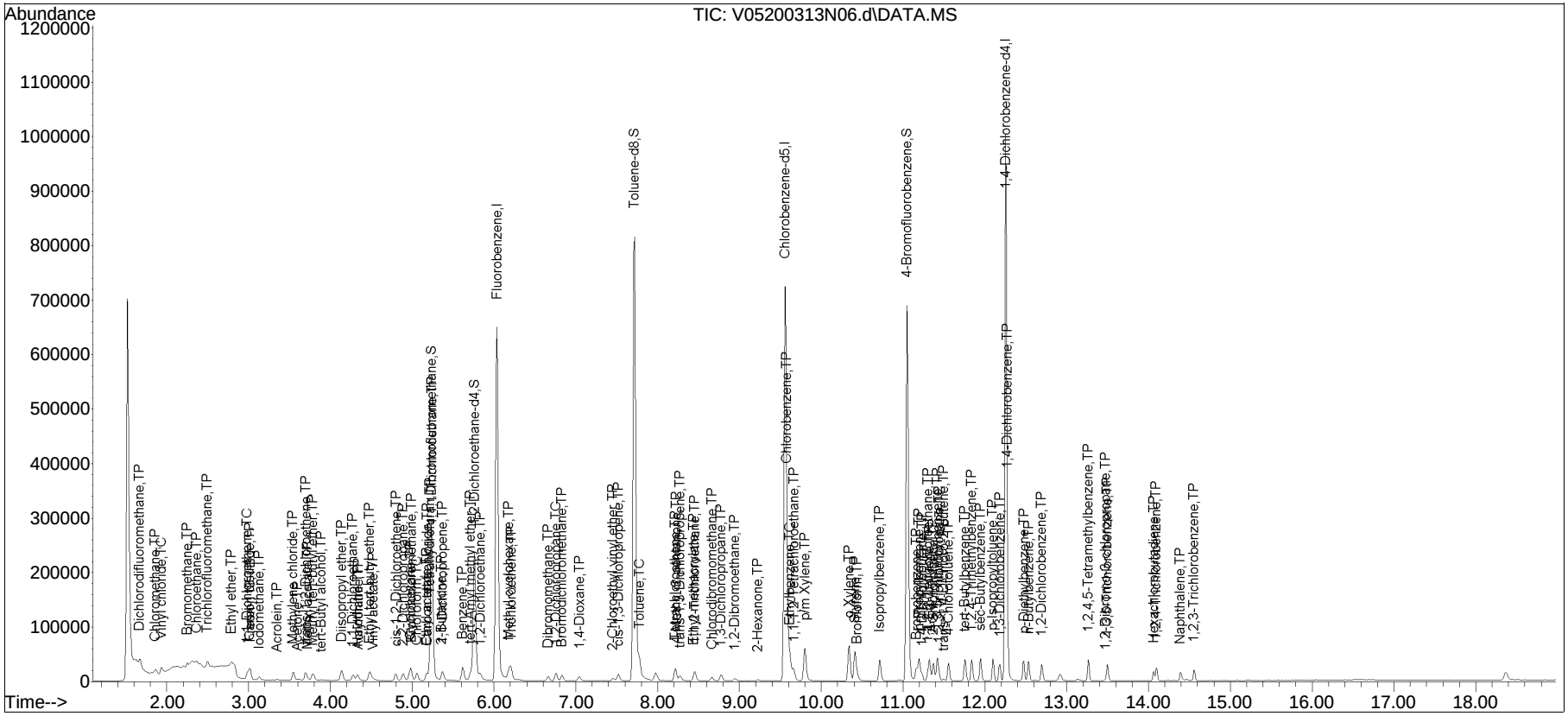
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2020\200313N\
Data File : V05200313N06.d
Acq On : 13 Mar 2020 9:31 pm
Operator : VOA105:MAB
Sample : I8260STDL0.5PPB
Misc : WG1351154
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 15 01:22:35 2020
Quant Method : I:\VOLATILES\VOA105\2020\200313N\V105_200313N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Mar 15 01:21:47 2020
Response via : Initial Calibration

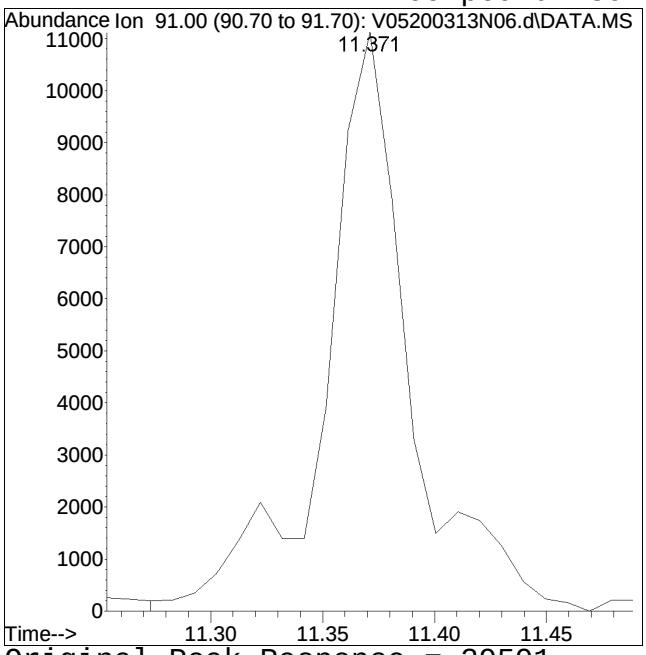
Sub List : 8260-Curve - Megamix plus Diox00313N\V05200313N09.d•

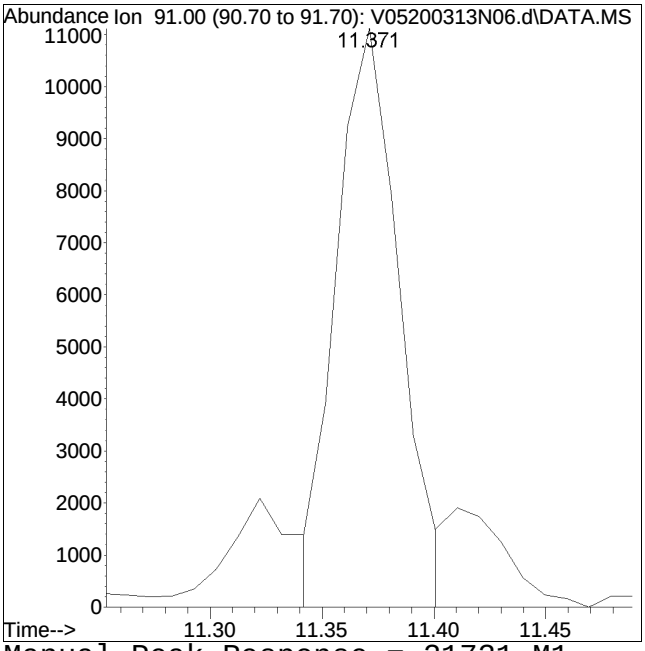


Manual Integration Report

Data Path : I:\VOLATILES\VOA105\2020\2QMethod : V105_200313N_8260.m
Data File : V05200313N06.d Operator : VOA105:MAB
Date Inj'd : 3/13/2020 9:31 pm Instrument : VOA 105
Sample : I8260STDL0.5PPB Quant Date : 3/15/2020 1:22 am

Compound #89: 2-Chlorotoluene



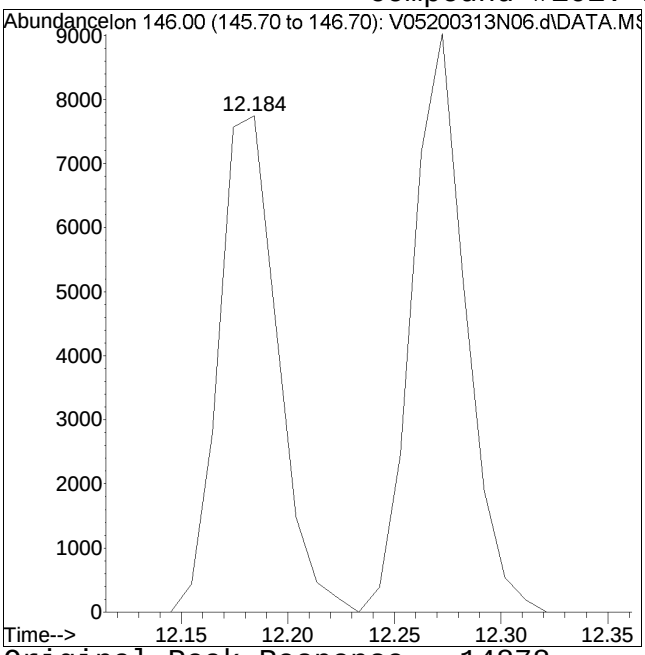


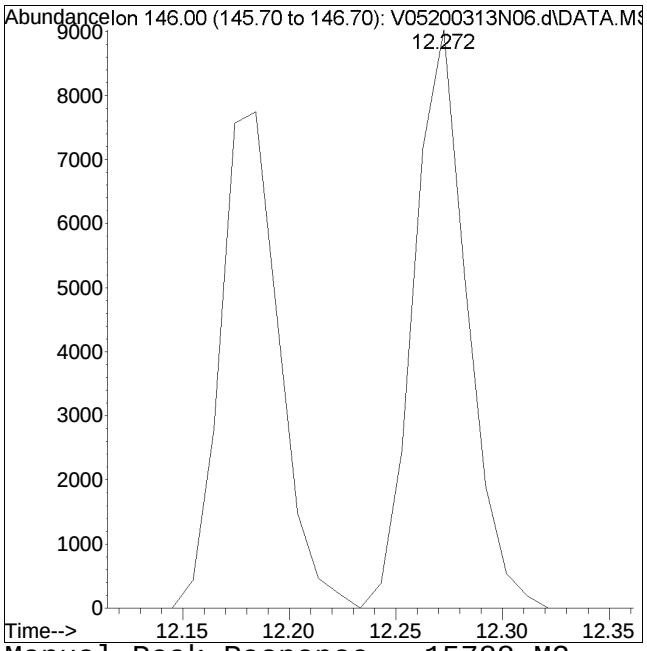
Original Peak Response = 29591 Manual Peak Response = 21731 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA105\2020\2QMethod : V105_200313N_8260.m
Data File : V05200313N06.d Operator : VOA105:MAB
Date Inj'd : 3/13/2020 9:31 pm Instrument : VOA 105
Sample : I8260STDL0.5PPB Quant Date : 3/15/2020 1:22 am

Compound #101: 1,4-Dichlorobenzene





Original Peak Response = 14878 Manual Peak Response = 15788 M2
M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2020\200313N\
Data File : V05200313N08.d
Acq On : 13 Mar 2020 10:18 pm
Operator : VOA105:MAB
Sample : I8260STDL2PPB
Misc : WG1351154
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 15 01:23:28 2020
Quant Method : I:\VOLATILES\VOA105\2020\200313N\V105_200313N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Mar 15 01:23:14 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2020\200313N\V05200313N09.d
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.037	96	699915	10.000	ug/L	0.00
Standard Area 1 = 712253			Recovery =	98.27%		
59) Chlorobenzene-d5	9.559	117	539943	10.000	ug/L	-0.01
Standard Area 1 = 545597			Recovery =	98.96%		
79) 1,4-Dichlorobenzene-d4	12.253	152	282028	10.000	ug/L	-0.01
Standard Area 1 = 289866			Recovery =	97.30%		
System Monitoring Compounds						
36) Dibromofluoromethane	5.234	113	185826	9.918	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	99.18%		
43) 1,2-Dichloroethane-d4	5.763	65	205550	10.236	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	102.36%		
60) Toluene-d8	7.719	98	703407	10.297	ug/L	-0.01
Spiked Amount 10.000	Range 70 - 130		Recovery =	102.97%		
83) 4-Bromofluorobenzene	11.048	95	267991	10.099	ug/L	-0.01
Spiked Amount 10.000	Range 70 - 130		Recovery =	100.99%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.664	85	28090	1.902	ug/L	98
3) Chloromethane	1.860	50	27437	1.917	ug/L	98
4) Vinyl chloride	1.938	62	34465	1.920	ug/L	100
5) Bromomethane	2.251	94	18562	1.877	ug/L	96
6) Chloroethane	2.369	64	19536	2.198	ug/L	97
7) Trichlorofluoromethane	2.496	101	50431	1.952	ug/L	95
8) Ethyl ether	2.789	74	13767	1.989	ug/L #	77
10) 1,1-Dichloroethene	2.985	96	26761	1.998	ug/L	90
11) Carbon disulfide	3.014	76	67857	1.851	ug/L	99
12) Freon-113	3.014	101	25231	1.906	ug/L	86
13) Iodomethane	3.132	142	35755	1.773	ug/L	93
14) Acrolein	3.327	56	2385	2.061	ug/L #	52
15) Methylene chloride	3.542	84	28614	1.940	ug/L	92
17) Acetone	3.601	43	6118	2.026	ug/L	92
18) trans-1,2-Dichloroethene	3.699	96	30050	1.996	ug/L	95
19) Methyl acetate	3.709	43	11238	1.919	ug/L #	86
20) Methyl tert-butyl ether	3.787	73	61600	1.901	ug/L	98
21) tert-Butyl alcohol	3.894	59	5597	9.801	ug/L #	88
22) Diisopropyl ether	4.139	45	78451	1.938	ug/L	97
23) 1,1-Dichloroethane	4.276	63	52595	1.982	ug/L	97
24) Halothane	4.335	117	21976	1.891	ug/L	99

Data Path : I:\VOLATILES\VOA105\2020\200313N\
Data File : V05200313N08.d
Acq On : 13 Mar 2020 10:18 pm
Operator : VOA105:MAB
Sample : I8260STDL2PPB
Misc : WG1351154
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 15 01:23:28 2020
Quant Method : I:\VOLATILES\VOA105\2020\200313N\V105_200313N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Mar 15 01:23:14 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2020\200313N\V05200313N09.d
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	4.344	53	4785	1.879	ug/L		88
26) Ethyl tert-butyl ether	4.481	59	68967	1.855	ug/L		97
27) Vinyl acetate	4.511	43	36945	1.762	ug/L		95
28) cis-1,2-Dichloroethene	4.794	96	32785	2.012	ug/L		94
29) 2,2-Dichloropropane	4.892	77	47994	2.059	ug/L		100
30) Bromochloromethane	4.990	128	14272	1.935	ug/L		95
31) Cyclohexane	4.970	56	44229	1.893	ug/L		93
32) Chloroform	5.058	83	52534	1.959	ug/L		97
33) Ethyl acetate	5.166	43	13788	1.900	ug/L		95
34) Carbon tetrachloride	5.176	117	47251	1.965	ug/L		98
35) Tetrahydrofuran	5.215	42	6724	2.389	ug/L	#	72
37) 1,1,1-Trichloroethane	5.244	97	52030	2.023	ug/L		98
39) 2-Butanone	5.362	43	5423	1.770	ug/L		93
40) 1,1-Dichloropropene	5.371	75	43888	2.056	ug/L		98
41) Benzene	5.616	78	119668	1.965	ug/L		98
42) tert-Amyl methyl ether	5.714	73	65552	1.911	ug/L		92
44) 1,2-Dichloroethane	5.831	62	36012	1.993	ug/L		98
47) Methyl cyclohexane	6.183	83	48149	1.803	ug/L		96
48) Trichloroethene	6.213	95	33424	1.931	ug/L		97
50) Dibromomethane	6.662	93	15788	1.907	ug/L		95
51) 1,2-Dichloropropane	6.760	63	27590	1.916	ug/L	#	92
53) 2-Chloroethyl vinyl ether	7.445	63	13551	1.872	ug/L		91
54) Bromodichloromethane	6.829	83	36933	1.825	ug/L		100
57) 1,4-Dioxane	7.044	88	31229	424.983	ug/L		96
58) cis-1,3-Dichloropropene	7.513	75	43095	1.805	ug/L		98
61) Toluene	7.777	92	79154	2.036	ug/L		100
62) 4-Methyl-2-pentanone	8.218	58	5130	1.777	ug/L		86
63) Tetrachloroethene	8.218	166	37568	2.031	ug/L		95
65) trans-1,3-Dichloropropene	8.267	75	33987	1.797	ug/L		89
67) Ethyl methacrylate	8.443	69	24336	1.814	ug/L		91
68) 1,1,2-Trichloroethane	8.452	83	17487	1.981	ug/L		97
69) Chlorodibromomethane	8.658	129	24500	1.730	ug/L		99
70) 1,3-Dichloropropane	8.775	76	37003	1.866	ug/L		99
71) 1,2-Dibromoethane	8.942	107	20109	1.941	ug/L		99
72) 2-Hexanone	9.226	43	9774	2.021	ug/L		90
73) Chlorobenzene	9.579	112	83432	2.004	ug/L		99
74) Ethylbenzene	9.608	91	150771	2.050	ug/L		96
75) 1,1,1,2-Tetrachloroethane	9.667	131	26759	1.900	ug/L		93
76) p/m Xylene	9.794	106	115996	3.999	ug/L		86
77) o Xylene	10.343	106	109590	3.930	ug/L		87

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2020\200313N\
Data File : V05200313N08.d
Acq On : 13 Mar 2020 10:18 pm
Operator : VOA105:MAB
Sample : I8260STDL2PPB
Misc : WG1351154
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 15 01:23:28 2020
Quant Method : I:\VOLATILES\VOA105\2020\200313N\V105_200313N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Mar 15 01:23:14 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2020\200313N\V05200313N09.d
Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78)	Styrene	10.411	104	170748	3.938	ug/L	90
80)	Bromoform	10.450	173	11831	1.615	ug/L	94
82)	Isopropylbenzene	10.715	105	148863	1.987	ug/L	97
84)	Bromobenzene	11.165	156	34479	1.917	ug/L	99
85)	n-Propylbenzene	11.195	91	172547	2.016	ug/L	97
86)	1,4-Dichlorobutane	11.234	55	30301	2.037	ug/L	97
87)	1,1,2,2-Tetrachloroethane	11.303	83	21462	1.926	ug/L	97
88)	4-Ethyltoluene	11.322	105	137354	1.926	ug/L	96
89)	2-Chlorotoluene	11.371	91	95753M1	1.977	ug/L	
90)	1,3,5-Trimethylbenzene	11.420	105	117120	1.964	ug/L	95
91)	1,2,3-Trichloropropane	11.440	75	18318	1.951	ug/L	98
92)	trans-1,4-Dichloro-2-b...	11.489	53	5214	2.041	ug/L	86
93)	4-Chlorotoluene	11.557	91	100686	1.973	ug/L	95
94)	tert-Butylbenzene	11.753	119	104053	1.969	ug/L	94
97)	1,2,4-Trimethylbenzene	11.841	105	113153	1.938	ug/L	95
98)	sec-Butylbenzene	11.949	105	150710	2.024	ug/L	99
99)	p-Isopropyltoluene	12.096	119	124175	1.937	ug/L	96
100)	1,3-Dichlorobenzene	12.174	146	64797	1.967	ug/L	97
101)	1,4-Dichlorobenzene	12.272	146	66210	2.000	ug/L	100
102)	p-Diethylbenzene	12.468	119	67139	1.804	ug/L	99
103)	n-Butylbenzene	12.527	91	109502	2.008	ug/L	97
104)	1,2-Dichlorobenzene	12.694	146	57239	1.968	ug/L	96
105)	1,2,4,5-Tetramethylben...	13.262	119	97981	1.823	ug/L	96
106)	1,2-Dibromo-3-chloropr...	13.477	155	2349	1.593	ug/L	99
107)	1,3,5-Trichlorobenzene	13.497	180	40811	1.865	ug/L	99
108)	Hexachlorobutadiene	14.065	225	16862	1.942	ug/L	99
109)	1,2,4-Trichlorobenzene	14.094	180	33976	1.878	ug/L	99
110)	Naphthalene	14.388	128	57740	1.924	ug/L	100
111)	1,2,3-Trichlorobenzene	14.555	180	25957	1.877	ug/L	99

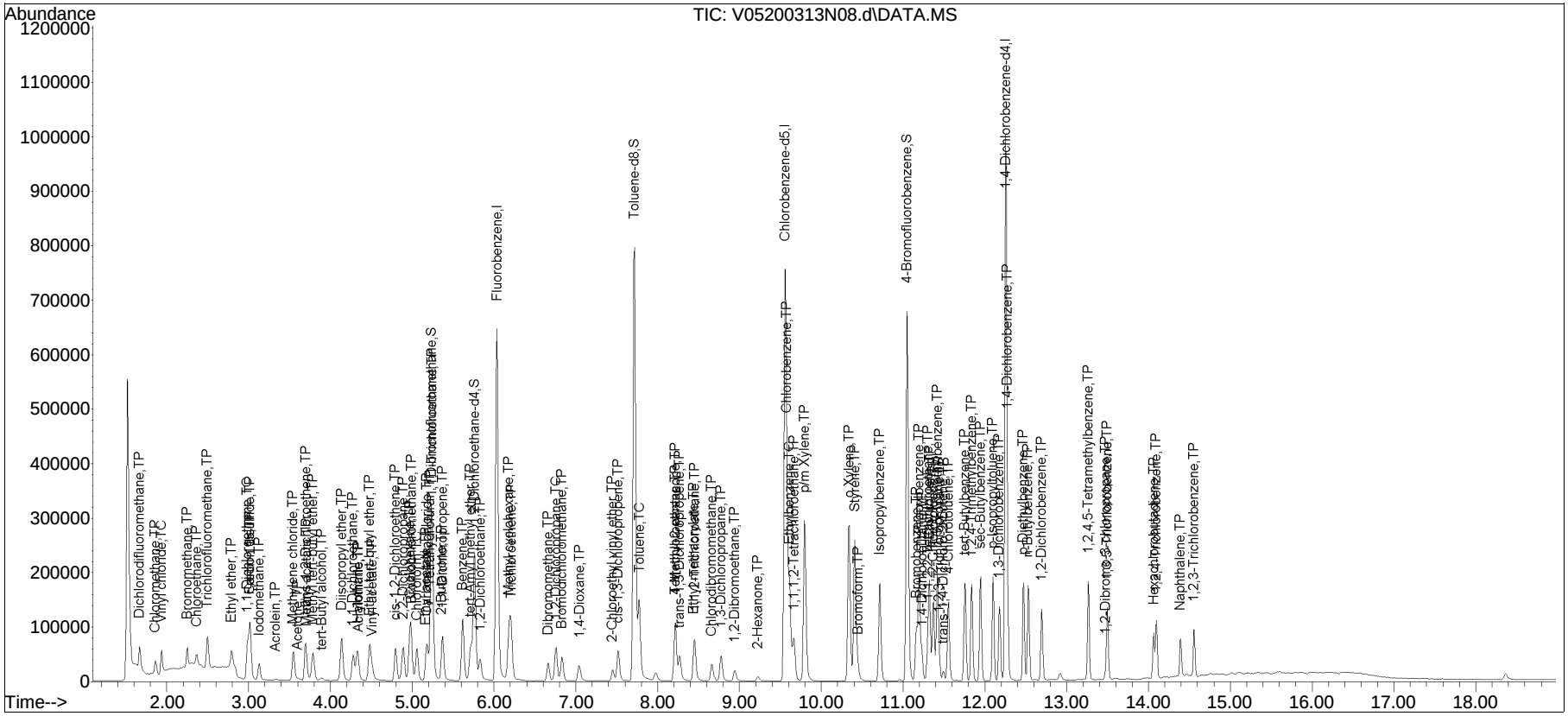
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2020\200313N\
Data File : V05200313N08.d
Acq On : 13 Mar 2020 10:18 pm
Operator : VOA105:MAB
Sample : I8260STDL2PPB
Misc : WG1351154
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 15 01:23:28 2020
Quant Method : I:\VOLATILES\VOA105\2020\200313N\V105_200313N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Mar 15 01:23:14 2020
Response via : Initial Calibration

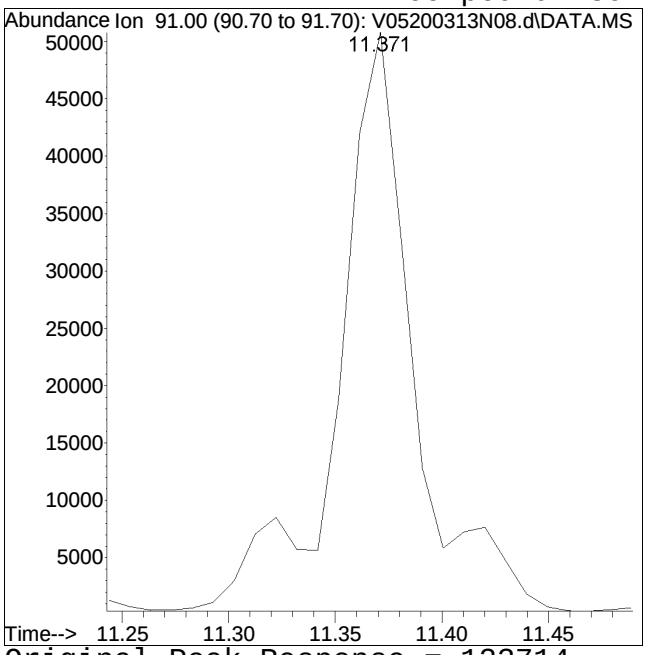
Sub List : 8260-Curve - Megamix plus Diox00313N\V05200313N09.d•

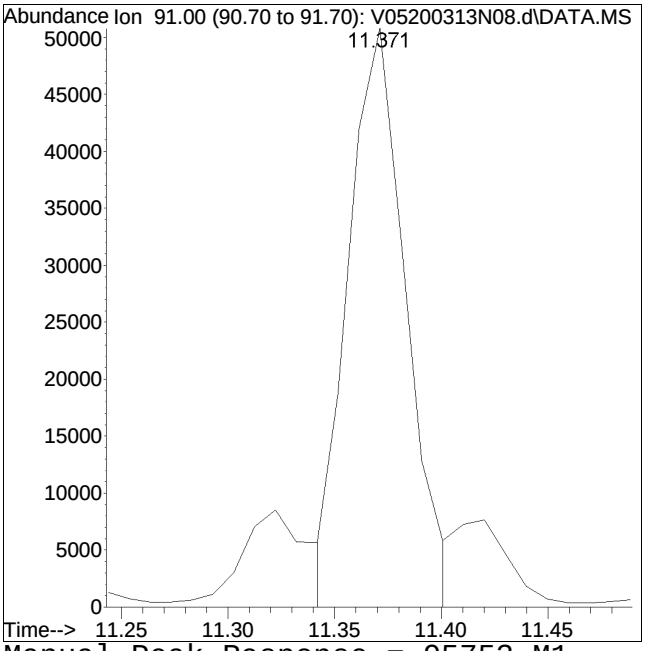


Manual Integration Report

Data Path : I:\VOLATILES\VOA105\2020\2QMethod : V105_200313N_8260.m
Data File : V05200313N08.d Operator : VOA105:MAB
Date Inj'd : 3/13/2020 10:18 pm Instrument : VOA 105
Sample : I8260STDL2PPB Quant Date : 3/15/2020 1:23 am

Compound #89: 2-Chlorotoluene





Original Peak Response = 123714 Manual Peak Response = 95753 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2020\200313N\
Data File : V05200313N09.d
Acq On : 13 Mar 2020 10:41 pm
Operator : VOA105:MAB
Sample : I8260STDL10PPB
Misc : WG1351154
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 15 00:46:06 2020
Quant Method : I:\VOLATILES\VOA105\2020\200313N\V105_200313N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Feb 18 09:50:30 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2020\200313N\V05200313N09.d
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.036	96	712253	10.000	ug/L	0.00
Standard Area 1 = 712253			Recovery = 100.00%			
59) Chlorobenzene-d5	9.559	117	545597	10.000	ug/L	-0.01
Standard Area 1 = 545597			Recovery = 100.00%			
79) 1,4-Dichlorobenzene-d4	12.253	152	289866	10.000	ug/L	-0.01
Standard Area 1 = 289866			Recovery = 100.00%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.234	113	189885	9.512	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.12%			
43) 1,2-Dichloroethane-d4	5.762	65	210844	8.417	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 84.17%			
60) Toluene-d8	7.719	98	712871	9.911	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.11%			
83) 4-Bromofluorobenzene	11.048	95	268866	9.081	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 90.81%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.664	85	155894	8.403	ug/L	99
3) Chloromethane	1.860	50	145514	6.155	ug/L	98
4) Vinyl chloride	1.938	62	183512	10.264	ug/L	98
5) Bromomethane	2.251	94	90693	12.099	ug/L	99
6) Chloroethane	2.369	64	95132	13.938	ug/L	98
7) Trichlorofluoromethane	2.496	101	275870	11.474	ug/L	100
8) Ethyl ether	2.789	74	68692	13.990	ug/L	94
10) 1,1-Dichloroethene	2.985	96	133225	9.925	ug/L	90
11) Carbon disulfide	3.014	76	356730	10.040	ug/L	100
12) Freon-113	3.014	101	138751	10.042	ug/L	91
13) Iodomethane	3.131	142	201572	13.935	ug/L	94
14) Acrolein	3.317	56	10715	5.669	ug/L	94
15) Methylene chloride	3.542	84	143306	9.254	ug/L	93
17) Acetone	3.601	43	21652	5.452	ug/L	92
18) trans-1,2-Dichloroethene	3.699	96	148908	10.071	ug/L	95
19) Methyl acetate	3.708	43	53835	6.918	ug/L #	91
20) Methyl tert-butyl ether	3.787	73	322985	10.231	ug/L	98
21) tert-Butyl alcohol	3.894	59	28599	35.619	ug/L #	78
22) Diisopropyl ether	4.139	45	402276	7.174	ug/L	97
23) 1,1-Dichloroethane	4.276	63	267607	8.381	ug/L	98
24) Halothane	4.325	117	118375	10.300	ug/L	99

Data Path : I:\VOLATILES\VOA105\2020\200313N\
Data File : V05200313N09.d
Acq On : 13 Mar 2020 10:41 pm
Operator : VOA105:MAB
Sample : I8260STDL10PPB
Misc : WG1351154
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 15 00:46:06 2020
Quant Method : I:\VOLATILES\VOA105\2020\200313N\V105_200313N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Feb 18 09:50:30 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2020\200313N\V05200313N09.d
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	4.334	53	24547	6.844	ug/L		92
26) Ethyl tert-butyl ether	4.481	59	369056	8.243	ug/L		98
27) Vinyl acetate	4.511	43	193215	5.718	ug/L		99
28) cis-1,2-Dichloroethene	4.794	96	162054	9.149	ug/L		96
29) 2,2-Dichloropropane	4.892	77	235361	10.297	ug/L		99
30) Bromochloromethane	4.990	128	75148	10.223	ug/L		96
31) Cyclohexane	4.970	56	245110	8.372	ug/L		94
32) Chloroform	5.058	83	273936	9.529	ug/L		98
33) Ethyl acetate	5.166	43	72258	6.917	ug/L		99
34) Carbon tetrachloride	5.176	117	240058	10.131	ug/L		99
35) Tetrahydrofuran	5.215	42	22932M1	6.844	ug/L		
37) 1,1,1-Trichloroethane	5.244	97	269049	9.739	ug/L		99
39) 2-Butanone	5.352	43	31057	6.151	ug/L		89
40) 1,1-Dichloropropene	5.371	75	218469	10.170	ug/L		97
41) Benzene	5.616	78	617595	10.943	ug/L		99
42) tert-Amyl methyl ether	5.714	73	341687	11.141	ug/L		90
44) 1,2-Dichloroethane	5.831	62	183448	7.953	ug/L		98
47) Methyl cyclohexane	6.183	83	277889	10.574	ug/L		99
48) Trichloroethene	6.212	95	161869	9.490	ug/L		95
50) Dibromomethane	6.662	93	82728	10.136	ug/L		95
51) 1,2-Dichloropropane	6.760	63	146714	8.956	ug/L	#	92
53) 2-Chloroethyl vinyl ether	7.445	63	74353	10.773	ug/L		96
54) Bromodichloromethane	6.829	83	200395	9.819	ug/L		98
57) 1,4-Dioxane	7.044	88	38982	498.281	ug/L		97
58) cis-1,3-Dichloropropene	7.513	75	236657	10.842	ug/L		100
61) Toluene	7.768	92	400480	10.259	ug/L		99
62) 4-Methyl-2-pentanone	8.208	58	29392	8.446	ug/L		98
63) Tetrachloroethene	8.217	166	193224	10.630	ug/L		93
65) trans-1,3-Dichloropropene	8.266	75	193716	9.067	ug/L		96
67) Ethyl methacrylate	8.442	69	136624	10.337	ug/L		90
68) 1,1,2-Trichloroethane	8.452	83	92795	9.979	ug/L		98
69) Chlorodibromomethane	8.658	129	142683	9.828	ug/L		98
70) 1,3-Dichloropropane	8.775	76	212274	10.348	ug/L		98
71) 1,2-Dibromoethane	8.942	107	109603	9.729	ug/L		100
72) 2-Hexanone	9.216	43	48137	7.172	ug/L		100
73) Chlorobenzene	9.578	112	422813	9.932	ug/L		94
74) Ethylbenzene	9.608	91	764492	10.303	ug/L		95
75) 1,1,1,2-Tetrachloroethane	9.666	131	148445	9.811	ug/L		98
76) p/m Xylene	9.794	106	602875	21.999	ug/L		86
77) o Xylene	10.342	106	573922	22.224	ug/L		87

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2020\200313N\
Data File : V05200313N09.d
Acq On : 13 Mar 2020 10:41 pm
Operator : VOA105:MAB
Sample : I8260STDL10PPB
Misc : WG1351154
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 15 00:46:06 2020
Quant Method : I:\VOLATILES\VOA105\2020\200313N\V105_200313N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Feb 18 09:50:30 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2020\200313N\V05200313N09.d
Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
78)	Styrene	10.411	104	929183	22.841	ug/L		90
80)	Bromoform	10.440	173	74772	9.414	ug/L		97
82)	Isopropylbenzene	10.715	105	777782	10.225	ug/L		96
84)	Bromobenzene	11.165	156	180187	9.430	ug/L		100
85)	n-Propylbenzene	11.195	91	895991	10.395	ug/L		96
86)	1,4-Dichlorobutane	11.224	55	153503	7.118	ug/L		96
87)	1,1,2,2-Tetrachloroethane	11.302	83	110375	9.420	ug/L		99
88)	4-Ethyltoluene	11.322	105	743888	10.594	ug/L		97
89)	2-Chlorotoluene	11.371	91	514899M1	9.958	ug/L		
90)	1,3,5-Trimethylbenzene	11.420	105	621617	9.953	ug/L		94
91)	1,2,3-Trichloropropane	11.440	75	93880	9.393	ug/L		98
92)	trans-1,4-Dichloro-2-b...	11.489	53	24329	6.891	ug/L	#	61
93)	4-Chlorotoluene	11.547	91	527762	9.734	ug/L		95
94)	tert-Butylbenzene	11.753	119	547466	10.050	ug/L		94
97)	1,2,4-Trimethylbenzene	11.841	105	605286	9.919	ug/L		95
98)	sec-Butylbenzene	11.949	105	784391	11.174	ug/L		98
99)	p-Isopropyltoluene	12.096	119	671720	10.333	ug/L		96
100)	1,3-Dichlorobenzene	12.174	146	340112	9.791	ug/L		96
101)	1,4-Dichlorobenzene	12.272	146	338024	9.547	ug/L		97
102)	p-Diethylbenzene	12.468	119	379321	10.169	ug/L		98
103)	n-Butylbenzene	12.527	91	564083	10.267	ug/L		98
104)	1,2-Dichlorobenzene	12.693	146	299813	9.652	ug/L		96
105)	1,2,4,5-Tetramethylben...	13.262	119	544458	9.615	ug/L		95
106)	1,2-Dibromo-3-chloropr...	13.477	155	14144	8.890	ug/L		97
107)	1,3,5-Trichlorobenzene	13.497	180	219571	10.129	ug/L		98
108)	Hexachlorobutadiene	14.065	225	84600	10.342	ug/L		99
109)	1,2,4-Trichlorobenzene	14.094	180	175241	9.581	ug/L		98
110)	Naphthalene	14.388	128	291057	8.710	ug/L		100
111)	1,2,3-Trichlorobenzene	14.555	180	132544	9.144	ug/L		98

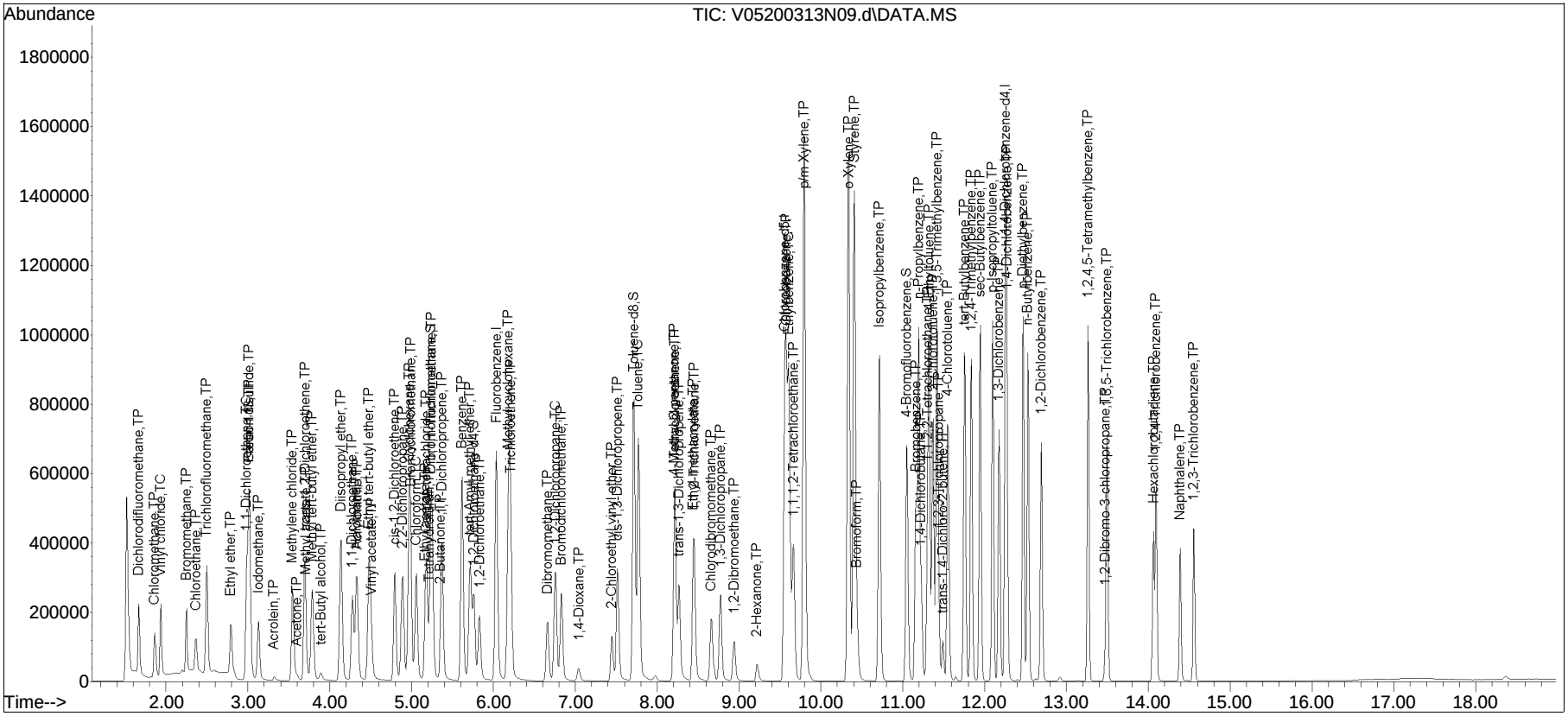
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2020\200313N\
Data File : V05200313N09.d
Acq On : 13 Mar 2020 10:41 pm
Operator : VOA105:MAB
Sample : I8260STDL10PPB
Misc : WG1351154
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 15 00:46:06 2020
Quant Method : I:\VOLATILES\VOA105\2020\200313N\V105_200313N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Feb 18 09:50:30 2020
Response via : Initial Calibration

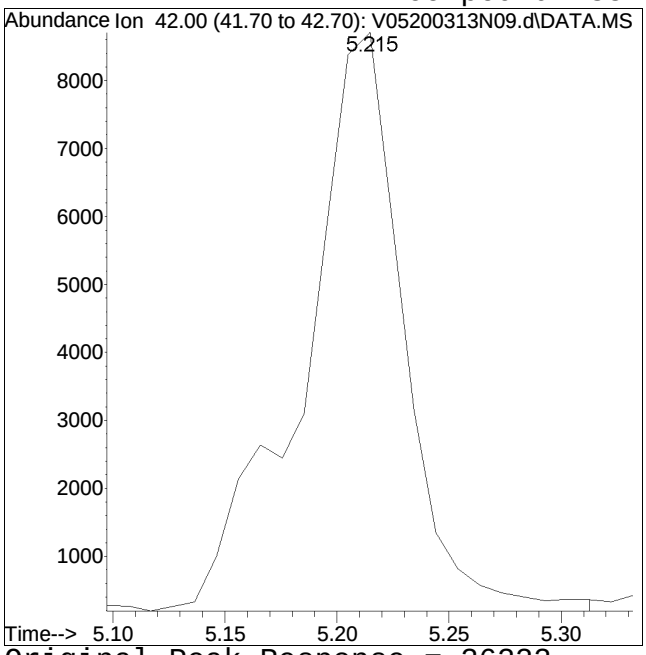
Sub List : 8260-Curve - Megamix plus Diox00313N\V05200313N09.d•

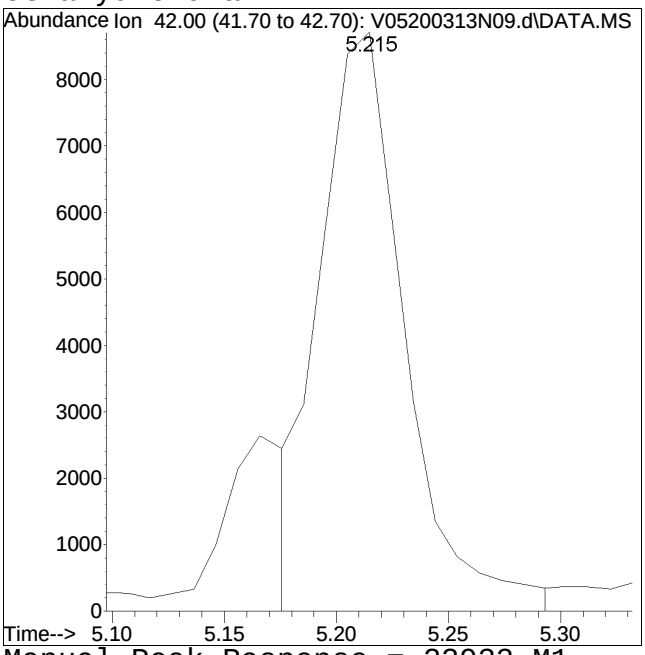


Manual Integration Report

Data Path : I:\VOLATILES\VOA105\2020\2QMethod : V105_200313N_8260.m
Data File : V05200313N09.d Operator : VOA105:MAB
Date Inj'd : 3/13/2020 10:41 pm Instrument : VOA 105
Sample : I8260STDL10PPB Quant Date : 3/15/2020 0:42 am

Compound #35: Tetrahydrofuran



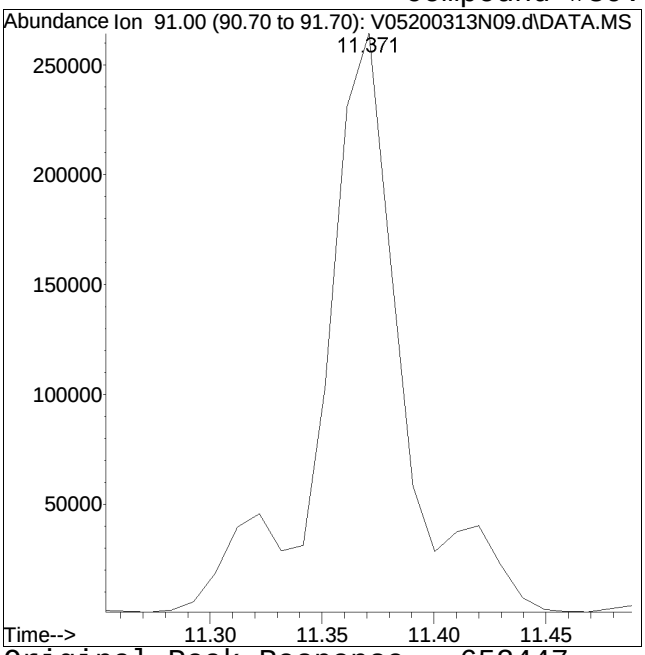


Original Peak Response = 26222 Manual Peak Response = 22932 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

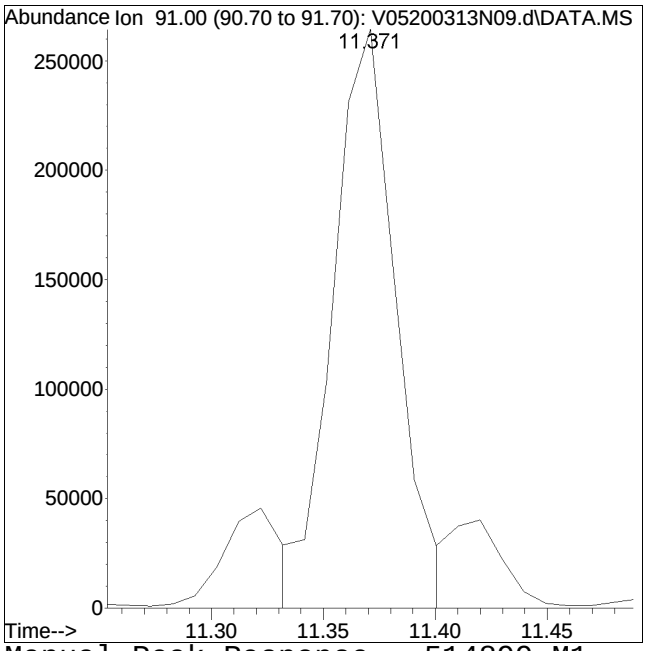
Manual Integration Report

Data Path : I:\VOLATILES\VOA105\2020\2QMethod : V105_200313N_8260.m
Data File : V05200313N09.d Operator : VOA105:MAB
Date Inj'd : 3/13/2020 10:41 pm Instrument : VOA 105
Sample : I8260STDL10PPB Quant Date : 3/15/2020 0:42 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 652447



Manual Peak Response = 514899 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2020\200313N\
Data File : V05200313N10.d
Acq On : 13 Mar 2020 11:04 pm
Operator : VOA105:MAB
Sample : I8260STDL30PPB
Misc : WG1351154
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 15 01:01:24 2020
Quant Method : I:\VOLATILES\VOA105\2020\200313N\V105_200313N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Mar 15 00:46:55 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2020\200313N\V05200313N09.d
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.036	96	716495	10.000	ug/L	0.00
Standard Area 1 = 712253			Recovery = 100.60%			
59) Chlorobenzene-d5	9.559	117	559328	10.000	ug/L	-0.01
Standard Area 1 = 545597			Recovery = 102.52%			
79) 1,4-Dichlorobenzene-d4	12.253	152	289984	10.000	ug/L	-0.01
Standard Area 1 = 289866			Recovery = 100.04%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.234	113	192254	10.065	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.65%			
43) 1,2-Dichloroethane-d4	5.763	65	198528	9.360	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 93.60%			
60) Toluene-d8	7.719	98	717306	9.815	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.15%			
83) 4-Bromofluorobenzene	11.048	95	273408	10.165	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.65%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.664	85	470371	29.994	ug/L	99
3) Chloromethane	1.860	50	453826	31.003	ug/L	98
4) Vinyl chloride	1.938	62	560665	30.371	ug/L	97
5) Bromomethane	2.251	94	300926	32.984	ug/L	98
6) Chloroethane	2.359	64	293651	30.685	ug/L	97
7) Trichlorofluoromethane	2.496	101	835304	30.100	ug/L	100
8) Ethyl ether	2.789	74	208741	30.208	ug/L	95
10) 1,1-Dichloroethene	2.985	96	408271	30.464	ug/L	91
11) Carbon disulfide	3.014	76	1134581	31.617	ug/L	100
12) Freon-113	3.014	101	418846	30.008	ug/L	85
13) Iodomethane	3.132	142	670620	33.073	ug/L	94
14) Acrolein	3.317	56	32168	29.844	ug/L	92
15) Methylene chloride	3.542	84	448533	31.114	ug/L	93
17) Acetone	3.591	43	59577	27.353	ug/L	95
18) trans-1,2-Dichloroethene	3.689	96	472339	31.532	ug/L	95
19) Methyl acetate	3.709	43	169407	31.282	ug/L #	90
20) Methyl tert-butyl ether	3.787	73	1016133	31.274	ug/L	97
21) tert-Butyl alcohol	3.894	59	85314	148.272	ug/L #	78
22) Diisopropyl ether	4.139	45	1281600	31.670	ug/L	97
23) 1,1-Dichloroethane	4.276	63	842005	31.278	ug/L	98
24) Halothane	4.325	117	377834	31.729	ug/L	100

Data Path : I:\VOLATILES\VOA105\2020\200313N\
Data File : V05200313N10.d
Acq On : 13 Mar 2020 11:04 pm
Operator : VOA105:MAB
Sample : I8260STDL30PPB
Misc : WG1351154
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 15 01:01:24 2020
Quant Method : I:\VOLATILES\VOA105\2020\200313N\V105_200313N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Mar 15 00:46:55 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2020\200313N\V05200313N09.d
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	4.335	53	76722	31.070	ug/L		91
26) Ethyl tert-butyl ether	4.481	59	1171061	31.543	ug/L		97
27) Vinyl acetate	4.511	43	625285	32.171	ug/L		100
28) cis-1,2-Dichloroethene	4.794	96	510535	31.317	ug/L		95
29) 2,2-Dichloropropane	4.892	77	728746	30.780	ug/L		98
30) Bromochloromethane	4.990	128	232546	30.762	ug/L		97
31) Cyclohexane	4.970	56	735827	29.843	ug/L		95
32) Chloroform	5.058	83	853935	30.988	ug/L		99
33) Ethyl acetate	5.166	43	227972	31.363	ug/L		98
34) Carbon tetrachloride	5.176	117	769223	31.854	ug/L		99
35) Tetrahydrofuran	5.205	42	67159M1	29.113	ug/L		
37) 1,1,1-Trichloroethane	5.244	97	825252	30.491	ug/L		99
39) 2-Butanone	5.352	43	95060	30.427	ug/L		87
40) 1,1-Dichloropropene	5.371	75	683177	31.086	ug/L		96
41) Benzene	5.616	78	1916771	30.852	ug/L		99
42) tert-Amyl methyl ether	5.714	73	1071021	31.160	ug/L		89
44) 1,2-Dichloroethane	5.831	62	563576	30.539	ug/L		98
47) Methyl cyclohexane	6.183	83	843017	30.157	ug/L		100
48) Trichloroethene	6.213	95	507685	31.178	ug/L		96
50) Dibromomethane	6.653	93	256971	30.878	ug/L		94
51) 1,2-Dichloropropane	6.760	63	453545	30.731	ug/L	#	92
53) 2-Chloroethyl vinyl ether	7.445	63	231206	30.912	ug/L		95
54) Bromodichloromethane	6.829	83	653454	32.415	ug/L		99
57) 1,4-Dioxane	7.044	88	44284	564.643	ug/L		97
58) cis-1,3-Dichloropropene	7.513	75	754591	31.697	ug/L		99
61) Toluene	7.768	92	1258320	30.649	ug/L		100
62) 4-Methyl-2-pentanone	8.208	58	92774	30.789	ug/L		96
63) Tetrachloroethene	8.218	166	603002	30.441	ug/L		93
65) trans-1,3-Dichloropropene	8.266	75	629285	31.687	ug/L		97
67) Ethyl methacrylate	8.443	69	439536	31.381	ug/L		89
68) 1,1,2-Trichloroethane	8.452	83	284320	29.887	ug/L		98
69) Chlorodibromomethane	8.658	129	473397	32.364	ug/L		98
70) 1,3-Dichloropropane	8.775	76	656551	30.170	ug/L		99
71) 1,2-Dibromoethane	8.942	107	339047	30.175	ug/L		100
72) 2-Hexanone	9.216	43	148289	30.049	ug/L		98
73) Chlorobenzene	9.578	112	1339117	30.894	ug/L		94
74) Ethylbenzene	9.608	91	2394906	30.558	ug/L		94
75) 1,1,1,2-Tetrachloroethane	9.667	131	471209	30.964	ug/L		98
76) p/m Xylene	9.794	106	1904456	61.628	ug/L		87
77) o Xylene	10.343	106	1826847	62.099	ug/L		86

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2020\200313N\
Data File : V05200313N10.d
Acq On : 13 Mar 2020 11:04 pm
Operator : VOA105:MAB
Sample : I8260STDL30PPB
Misc : WG1351154
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 15 01:01:24 2020
Quant Method : I:\VOLATILES\VOA105\2020\200313N\V105_200313N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Mar 15 00:46:55 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2020\200313N\V05200313N09.d
Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
78)	Styrene	10.411	104	2942400	61.778	ug/L		90
80)	Bromoform	10.441	173	248200	33.181	ug/L		97
82)	Isopropylbenzene	10.715	105	2414863	31.035	ug/L		96
84)	Bromobenzene	11.165	156	568710	31.549	ug/L		99
85)	n-Propylbenzene	11.195	91	2775815	30.968	ug/L		96
86)	1,4-Dichlorobutane	11.224	55	459278	29.908	ug/L		95
87)	1,1,2,2-Tetrachloroethane	11.303	83	343925	31.147	ug/L		99
88)	4-Ethyltoluene	11.322	105	2326172	31.258	ug/L		97
89)	2-Chlorotoluene	11.371	91	1540232M1	29.901	ug/L		
90)	1,3,5-Trimethylbenzene	11.420	105	1939257	31.184	ug/L		95
91)	1,2,3-Trichloropropane	11.440	75	286422	30.497	ug/L		98
92)	trans-1,4-Dichloro-2-b...	11.489	53	79826	32.798	ug/L	#	57
93)	4-Chlorotoluene	11.547	91	1614368	30.576	ug/L		94
94)	tert-Butylbenzene	11.753	119	1697495	30.994	ug/L		94
97)	1,2,4-Trimethylbenzene	11.841	105	1891098	31.230	ug/L		95
98)	sec-Butylbenzene	11.949	105	2422743	30.874	ug/L		98
99)	p-Isopropyltoluene	12.096	119	2093177	31.149	ug/L		96
100)	1,3-Dichlorobenzene	12.174	146	1055379	31.018	ug/L		97
101)	1,4-Dichlorobenzene	12.272	146	1037551	30.682	ug/L		97
102)	p-Diethylbenzene	12.468	119	1213848	31.988	ug/L		98
103)	n-Butylbenzene	12.527	91	1774025	31.437	ug/L		98
104)	1,2-Dichlorobenzene	12.694	146	921049	30.708	ug/L		97
105)	1,2,4,5-Tetramethylben...	13.262	119	1751747	32.161	ug/L		95
106)	1,2-Dibromo-3-chloropr...	13.477	155	47454	33.537	ug/L		98
107)	1,3,5-Trichlorobenzene	13.497	180	693634	31.578	ug/L		98
108)	Hexachlorobutadiene	14.065	225	272837	32.237	ug/L		100
109)	1,2,4-Trichlorobenzene	14.094	180	560509	31.972	ug/L		99
110)	Naphthalene	14.388	128	922042	31.666	ug/L		100
111)	1,2,3-Trichlorobenzene	14.555	180	425823	32.114	ug/L		99

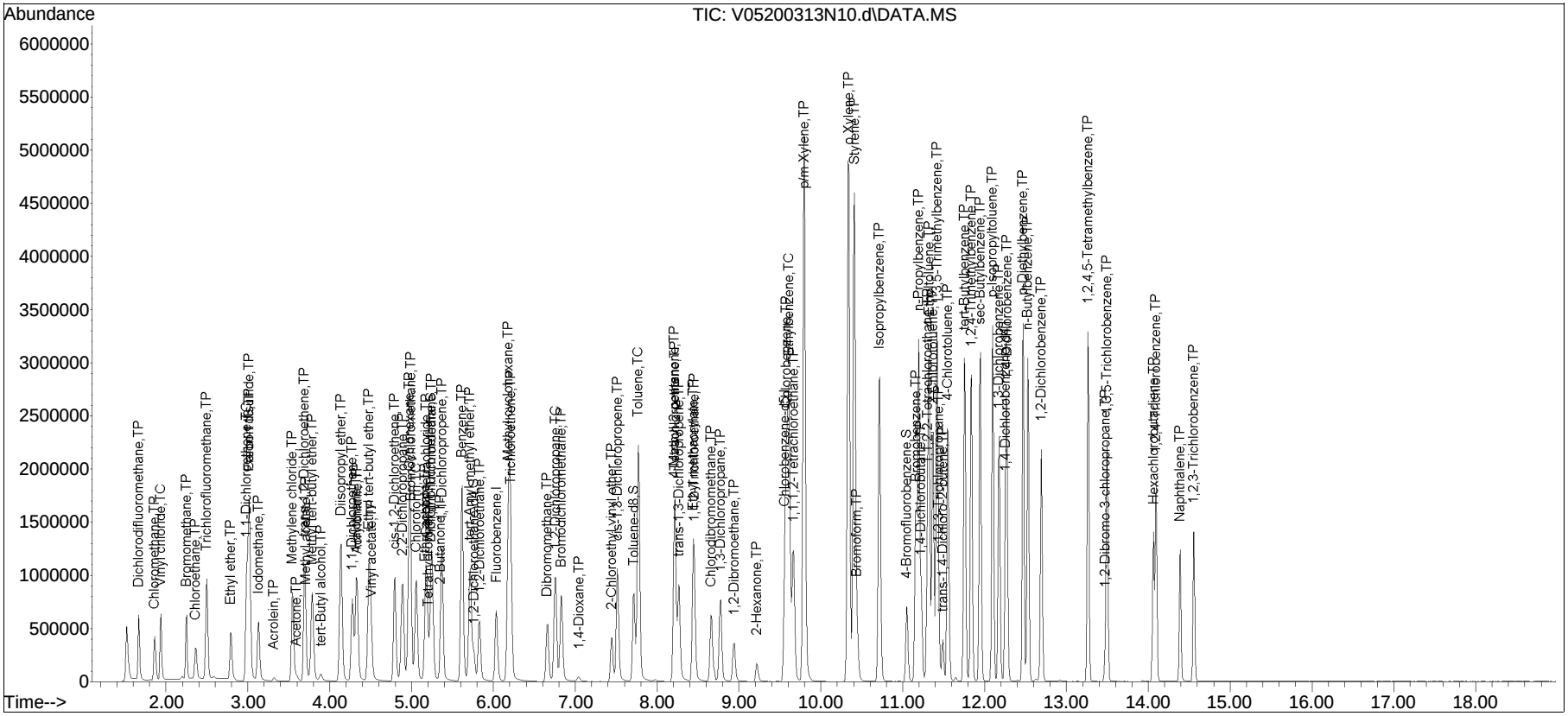
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2020\200313N\
Data File : V05200313N10.d
Acq On : 13 Mar 2020 11:04 pm
Operator : VOA105:MAB
Sample : I8260STDL30PPB
Misc : WG1351154
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 15 01:01:24 2020
Quant Method : I:\VOLATILES\VOA105\2020\200313N\V105_200313N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Mar 15 00:46:55 2020
Response via : Initial Calibration

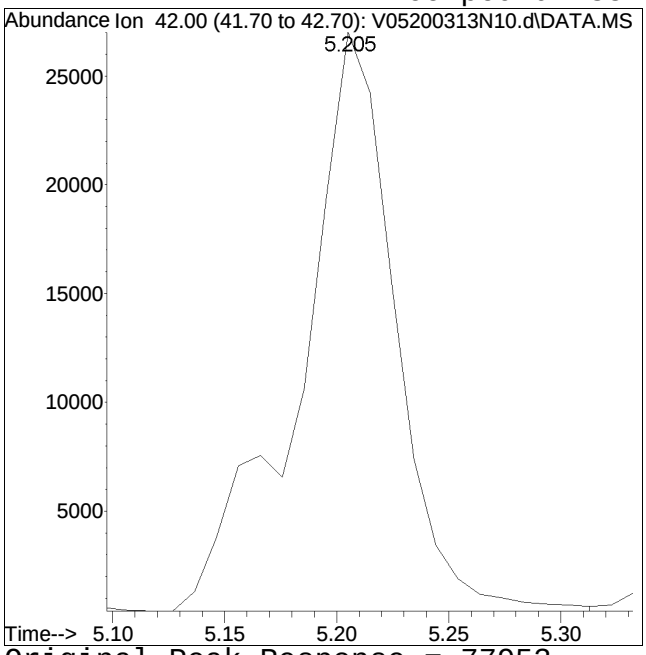
Sub List : 8260-Curve - Megamix plus Diox00313N\V05200313N09.d•

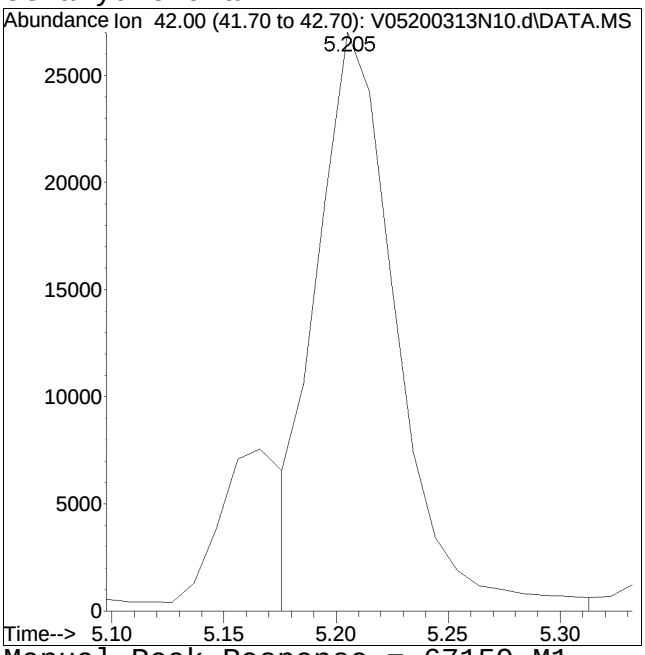


Manual Integration Report

Data Path : I:\VOLATILES\VOA105\2020\2QMethod : V105_200313N_8260.m
Data File : V05200313N10.d Operator : VOA105:MAB
Date Inj'd : 3/13/2020 11:04 pm Instrument : VOA 105
Sample : I8260STDL30PPB Quant Date : 3/15/2020 0:47 am

Compound #35: Tetrahydrofuran



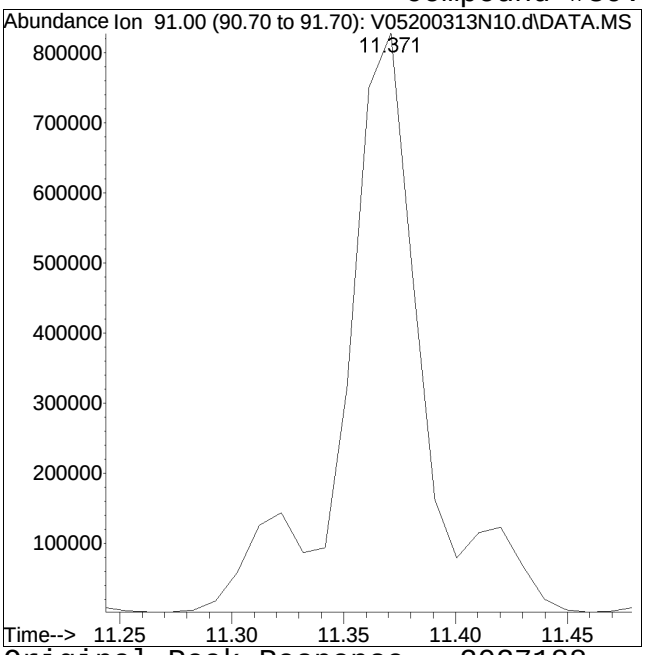


Original Peak Response = 77953 Manual Peak Response = 67159 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

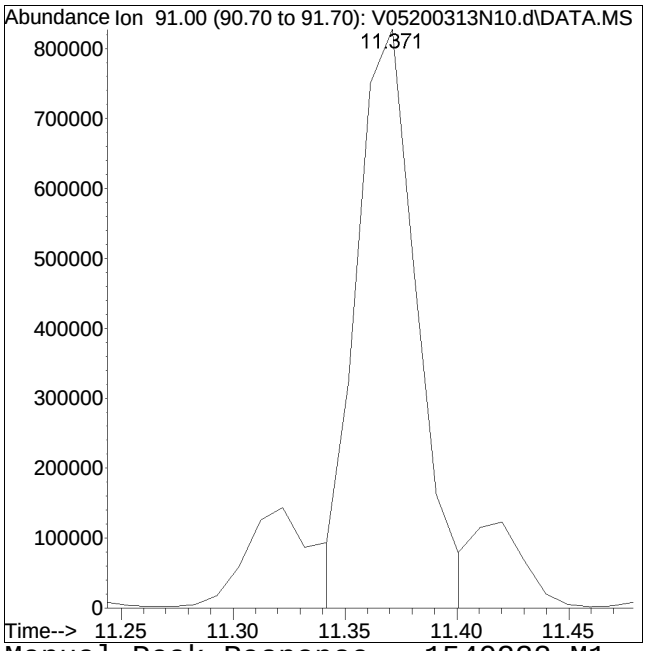
Manual Integration Report

Data Path : I:\VOLATILES\VOA105\2020\2QMethod : V105_200313N_8260.m
Data File : V05200313N10.d Operator : VOA105:MAB
Date Inj'd : 3/13/2020 11:04 pm Instrument : VOA 105
Sample : I8260STDL30PPB Quant Date : 3/15/2020 0:47 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 2027188



Manual Peak Response = 1540232 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2020\200313N\
Data File : V05200313N11.d
Acq On : 13 Mar 2020 11:27 pm
Operator : VOA105:MAB
Sample : I8260STDL80PPB
Misc : WG1351154
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Mar 15 01:03:17 2020
Quant Method : I:\VOLATILES\VOA105\2020\200313N\V105_200313N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Mar 15 00:46:55 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2020\200313N\V05200313N09.d
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	6.037	96	700373	10.000 ug/L	0.00
Standard Area 1 = 712253			Recovery = 98.33%		
59) Chlorobenzene-d5	9.559	117	568180	10.000 ug/L	-0.01
Standard Area 1 = 545597			Recovery = 104.14%		
79) 1,4-Dichlorobenzene-d4	12.253	152	284755	10.000 ug/L	-0.01
Standard Area 1 = 289866			Recovery = 98.24%		
System Monitoring Compounds					
36) Dibromofluoromethane	5.234	113	189152	10.130 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.30%		
43) 1,2-Dichloroethane-d4	5.763	65	199983	9.646 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.46%		
60) Toluene-d8	7.719	98	714256	9.621 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.21%		
83) 4-Bromofluorobenzene	11.048	95	266012	10.071 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.71%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.664	85	1253069	81.743 ug/L	99
3) Chloromethane	1.860	50	1177276	82.277 ug/L	99
4) Vinyl chloride	1.929	62	1487846	82.451 ug/L	97
5) Bromomethane	2.242	94	838483	94.021 ug/L	98
6) Chloroethane	2.359	64	708335	75.721 ug/L	98
7) Trichlorofluoromethane	2.496	101	2161346	79.675 ug/L	100
8) Ethyl ether	2.789	74	544556	80.620 ug/L	95
10) 1,1-Dichloroethene	2.985	96	1106661	84.476 ug/L	90
11) Carbon disulfide	3.014	76	3123978	89.058 ug/L	100
12) Freon-113	3.014	101	1126954	82.599 ug/L	82
13) Iodomethane	3.132	142	1795055	90.563 ug/L	94
14) Acrolein	3.317	56	84858	80.539 ug/L	96
15) Methylene chloride	3.542	84	1170233	83.045 ug/L	94
17) Acetone	3.591	43	154108	72.382 ug/L	94
18) trans-1,2-Dichloroethene	3.689	96	1237279	84.500 ug/L	94
19) Methyl acetate	3.699	43	458322	86.579 ug/L #	90
20) Methyl tert-butyl ether	3.787	73	2662677	83.838 ug/L	96
21) tert-Butyl alcohol	3.894	59	224658	399.435 ug/L #	78
22) Diisopropyl ether	4.139	45	3306200	83.581 ug/L	97
23) 1,1-Dichloroethane	4.276	63	2162357	82.174 ug/L	99
24) Halothane	4.325	117	982395	84.398 ug/L	100

Data Path : I:\VOLATILES\VOA105\2020\200313N\
Data File : V05200313N11.d
Acq On : 13 Mar 2020 11:27 pm
Operator : VOA105:MAB
Sample : I8260STDL80PPB
Misc : WG1351154
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Mar 15 01:03:17 2020
Quant Method : I:\VOLATILES\VOA105\2020\200313N\V105_200313N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Mar 15 00:46:55 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2020\200313N\V05200313N09.d
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	4.335	53	209229	86.682	ug/L	#	89
26) Ethyl tert-butyl ether	4.481	59	3066109	84.489	ug/L		95
27) Vinyl acetate	4.501	43	1775688	93.461	ug/L		100
28) cis-1,2-Dichloroethene	4.794	96	1317944	82.707	ug/L		96
29) 2,2-Dichloropropane	4.892	77	1900269	82.108	ug/L		97
30) Bromochloromethane	4.980	128	606618	82.092	ug/L		96
31) Cyclohexane	4.970	56	1947967	80.821	ug/L		96
32) Chloroform	5.058	83	2141321	79.495	ug/L		98
33) Ethyl acetate	5.156	43	607629	85.518	ug/L		98
34) Carbon tetrachloride	5.176	117	2022572	85.683	ug/L		99
35) Tetrahydrofuran	5.205	42	169835M1	75.317	ug/L		
37) 1,1,1-Trichloroethane	5.244	97	2119830	80.126	ug/L		99
39) 2-Butanone	5.352	43	251667	82.408	ug/L		88
40) 1,1-Dichloropropene	5.371	75	1768823	82.338	ug/L		96
41) Benzene	5.616	78	4946612	81.453	ug/L		99
42) tert-Amyl methyl ether	5.714	73	2818097	83.875	ug/L		89
44) 1,2-Dichloroethane	5.831	62	1445359	80.125	ug/L		98
47) Methyl cyclohexane	6.183	83	2263006	82.817	ug/L		99
48) Trichloroethene	6.203	95	1340668	84.229	ug/L		97
50) Dibromomethane	6.653	93	685024	84.209	ug/L		94
51) 1,2-Dichloropropane	6.750	63	1177238	81.601	ug/L	#	92
53) 2-Chloroethyl vinyl ether	7.445	63	621561	85.014	ug/L		93
54) Bromodichloromethane	6.829	83	1714310	86.998	ug/L		100
57) 1,4-Dioxane	7.044	88	57663	752.156	ug/L		100
58) cis-1,3-Dichloropropene	7.513	75	2023709	86.963	ug/L		98
61) Toluene	7.768	92	3330707	79.862	ug/L		99
62) 4-Methyl-2-pentanone	8.208	58	260059	84.963	ug/L		94
63) Tetrachloroethene	8.218	166	1613711	80.196	ug/L		93
65) trans-1,3-Dichloropropene	8.267	75	1692954	83.920	ug/L		98
67) Ethyl methacrylate	8.443	69	1206502	84.798	ug/L		87
68) 1,1,2-Trichloroethane	8.452	83	755631	78.194	ug/L		98
69) Chlorodibromomethane	8.658	129	1305780	87.879	ug/L		99
70) 1,3-Dichloropropane	8.775	76	1725767	78.068	ug/L		99
71) 1,2-Dibromoethane	8.942	107	912782	79.971	ug/L		100
72) 2-Hexanone	9.216	43	401958	80.184	ug/L		97
73) Chlorobenzene	9.579	112	3578552	81.273	ug/L		94
74) Ethylbenzene	9.608	91	6318955	79.370	ug/L		94
75) 1,1,1,2-Tetrachloroethane	9.667	131	1236628	79.994	ug/L		99
76) p/m Xylene	9.794	106	5122818	163.192	ug/L		84
77) o Xylene	10.343	106	4946607	165.528	ug/L		83

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2020\200313N\
Data File : V05200313N11.d
Acq On : 13 Mar 2020 11:27 pm
Operator : VOA105:MAB
Sample : I8260STDL80PPB
Misc : WG1351154
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Mar 15 01:03:17 2020
Quant Method : I:\VOLATILES\VOA105\2020\200313N\V105_200313N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Mar 15 00:46:55 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2020\200313N\V05200313N09.d
Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
78)	Styrene	10.411	104	7815406	161.535	ug/L		91
80)	Bromoform	10.441	173	669665	91.168	ug/L		97
82)	Isopropylbenzene	10.715	105	6310479	82.591	ug/L		96
84)	Bromobenzene	11.165	156	1493117	84.352	ug/L		100
85)	n-Propylbenzene	11.195	91	7250437	82.373	ug/L		95
86)	1,4-Dichlorobutane	11.224	55	1185112	78.590	ug/L		95
87)	1,1,2,2-Tetrachloroethane	11.303	83	926590	85.456	ug/L		99
88)	4-Ethyltoluene	11.322	105	6102434	83.507	ug/L		97
89)	2-Chlorotoluene	11.371	91	3926064M1	77.618	ug/L		
90)	1,3,5-Trimethylbenzene	11.420	105	5024273	82.277	ug/L		95
91)	1,2,3-Trichloropropane	11.440	75	755652	81.936	ug/L		99
92)	trans-1,4-Dichloro-2-b...	11.489	53	222153	92.951	ug/L	#	53
93)	4-Chlorotoluene	11.557	91	4169537	80.422	ug/L		95
94)	tert-Butylbenzene	11.753	119	4472406	83.159	ug/L		94
97)	1,2,4-Trimethylbenzene	11.841	105	4911039	82.592	ug/L		95
98)	sec-Butylbenzene	11.949	105	6317832	81.990	ug/L		98
99)	p-Isopropyltoluene	12.096	119	5536804	83.907	ug/L		96
100)	1,3-Dichlorobenzene	12.174	146	2715849	81.285	ug/L		97
101)	1,4-Dichlorobenzene	12.272	146	2704482	81.445	ug/L		97
102)	p-Diethylbenzene	12.468	119	3229632	86.671	ug/L		98
103)	n-Butylbenzene	12.527	91	4596259	82.944	ug/L		98
104)	1,2-Dichlorobenzene	12.694	146	2382911	80.906	ug/L		97
105)	1,2,4,5-Tetramethylben...	13.262	119	4716725	88.186	ug/L		95
106)	1,2-Dibromo-3-chloropr...	13.477	155	134405	96.732	ug/L		97
107)	1,3,5-Trichlorobenzene	13.497	180	1853624	85.935	ug/L		98
108)	Hexachlorobutadiene	14.065	225	746330	89.802	ug/L		100
109)	1,2,4-Trichlorobenzene	14.094	180	1521762	88.397	ug/L		99
110)	Naphthalene	14.388	128	2521751	88.196	ug/L		100
111)	1,2,3-Trichlorobenzene	14.555	180	1156647	88.831	ug/L		99

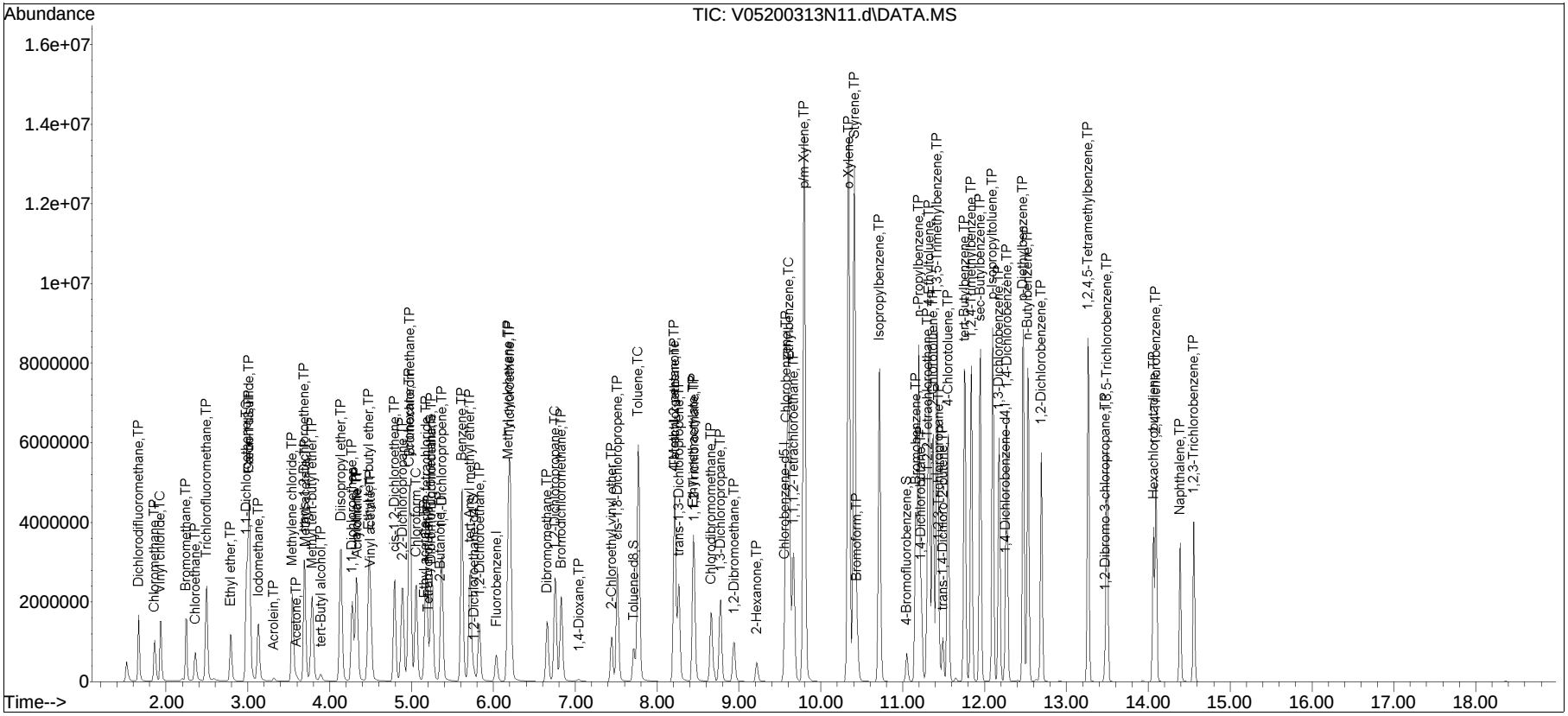
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2020\200313N\
Data File : V05200313N11.d
Acq On : 13 Mar 2020 11:27 pm
Operator : VOA105:MAB
Sample : I8260STDL80PPB
Misc : WG1351154
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Mar 15 01:03:17 2020
Quant Method : I:\VOLATILES\VOA105\2020\200313N\V105_200313N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Mar 15 00:46:55 2020
Response via : Initial Calibration

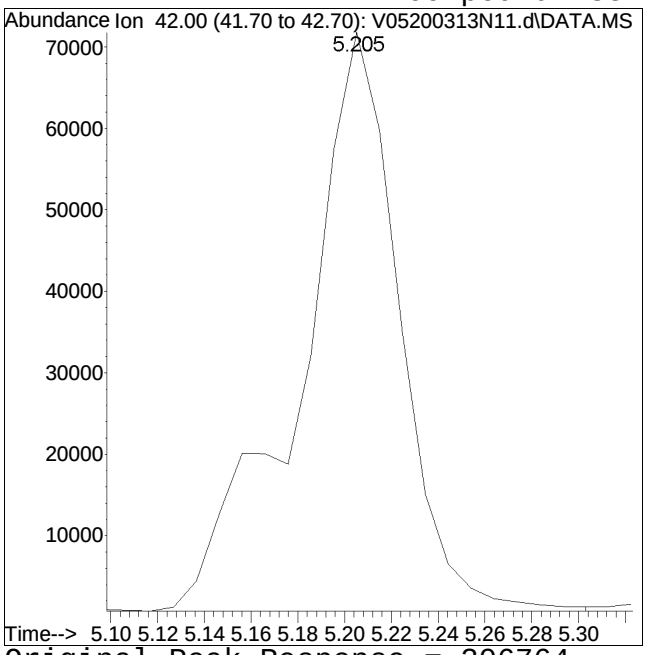
Sub List : 8260-Curve - Megamix plus Diox00313N\V05200313N09.d•

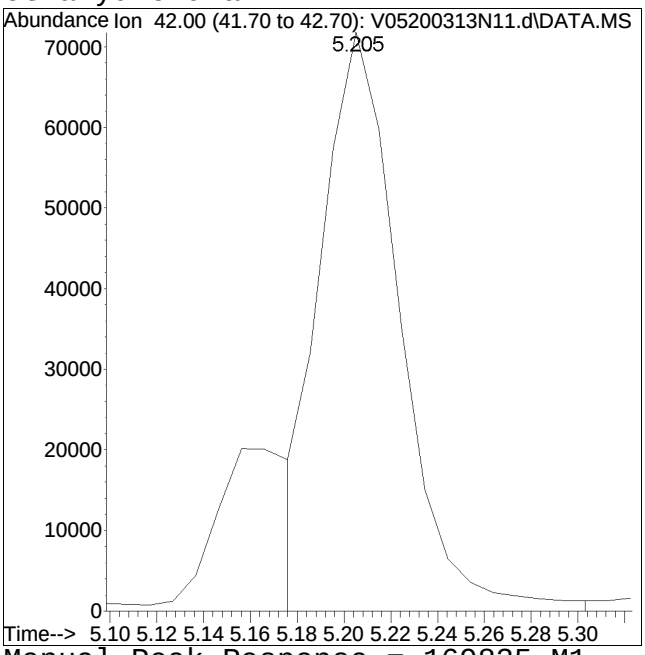


Manual Integration Report

Data Path : I:\VOLATILES\VOA105\2020\2QMethod : V105_200313N_8260.m
Data File : V05200313N11.d Operator : VOA105:MAB
Date Inj'd : 3/13/2020 11:27 pm Instrument : VOA 105
Sample : I8260STDL80PPB Quant Date : 3/15/2020 0:48 am

Compound #35: Tetrahydrofuran





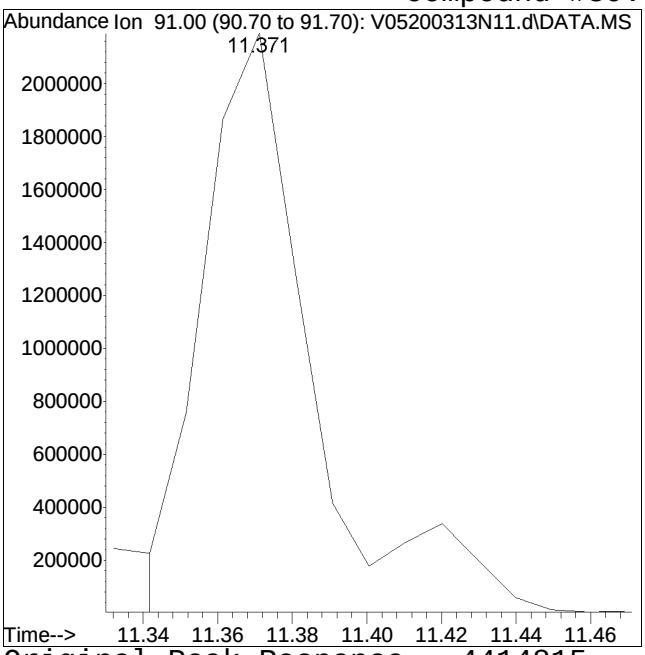
Original Peak Response = 206764 Manual Peak Response = 169835 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

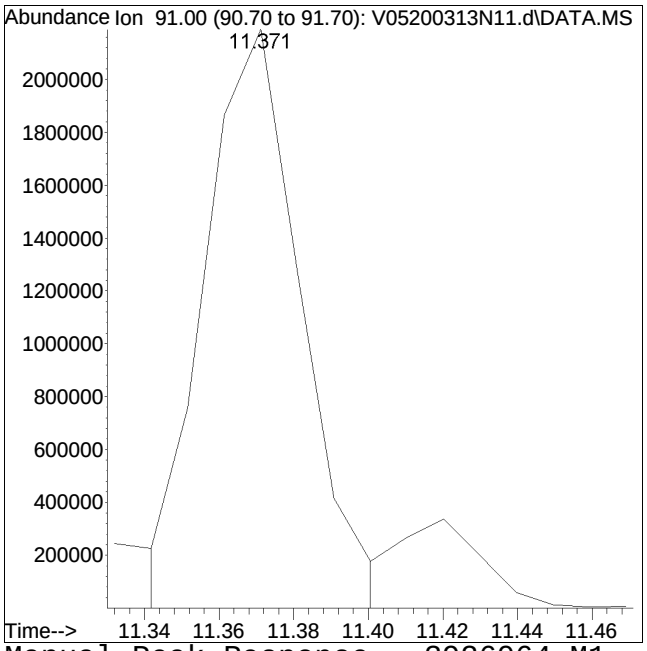
Data Path : I:\VOLATILES\VOA105\2020\2Q
Data File : V05200313N11.d
Date Inj'd : 3/13/2020 11:27 pm
Sample : I8260STDL80PPB

Method : V105_200313N_8260.m
Operator : VOA105:MAB
Instrument : VOA 105
Quant Date : 3/15/2020 0:48 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 4414815



Manual Peak Response = 3926064 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2020\200313N\
Data File : V05200313N12.d
Acq On : 13 Mar 2020 11:50 pm
Operator : VOA105:MAB
Sample : I8260STDL120PPB
Misc : WG1351154
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 15 01:04:53 2020
Quant Method : I:\VOLATILES\VOA105\2020\200313N\V105_200313N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Mar 15 00:46:55 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2020\200313N\V05200313N09.d
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.036	96	692228	10.000	ug/L	0.00
Standard Area 1 = 712253			Recovery = 97.19%			
59) Chlorobenzene-d5	9.559	117	579015	10.000	ug/L	-0.01
Standard Area 1 = 545597			Recovery = 106.13%			
79) 1,4-Dichlorobenzene-d4	12.262	152	283148	10.000	ug/L	0.00
Standard Area 1 = 289866			Recovery = 97.68%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.234	113	187372	10.153	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.53%			
43) 1,2-Dichloroethane-d4	5.762	65	199748	9.748	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.48%			
60) Toluene-d8	7.719	98	707910	9.357	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 93.57%			
83) 4-Bromofluorobenzene	11.048	95	266442	10.145	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.45%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.664	85	1903061	125.605	ug/L	99
3) Chloromethane	1.860	50	1811689	128.104	ug/L	99
4) Vinyl chloride	1.938	62	2265237	127.009	ug/L	97
5) Bromomethane	2.241	94	1337072	151.693	ug/L	98
6) Chloroethane	2.349	64	1022806	110.625	ug/L	98
7) Trichlorofluoromethane	2.496	101	3236605	120.718	ug/L	100
8) Ethyl ether	2.789	74	815216	122.110	ug/L	95
10) 1,1-Dichloroethene	2.985	96	1697782	131.124	ug/L	89
11) Carbon disulfide	3.014	76	4814601	138.869	ug/L	100
12) Freon-113	3.014	101	1709422	126.765	ug/L	80
13) Iodomethane	3.131	142	2706986	138.179	ug/L	94
14) Acrolein	3.317	56	127360	122.300	ug/L	97
15) Methylene chloride	3.542	84	1788800	128.435	ug/L	95
17) Acetone	3.591	43	229064	108.854	ug/L	95
18) trans-1,2-Dichloroethene	3.689	96	1893235	130.819	ug/L	94
19) Methyl acetate	3.699	43	688395	131.570	ug/L #	90
20) Methyl tert-butyl ether	3.787	73	4013411	127.855	ug/L	96
21) tert-Butyl alcohol	3.894	59	337592	607.290	ug/L #	78
22) Diisopropyl ether	4.139	45	5014484	128.259	ug/L	97
23) 1,1-Dichloroethane	4.276	63	3282380	126.205	ug/L	99
24) Halothane	4.325	117	1490013	129.514	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2020\200313N\
Data File : V05200313N12.d
Acq On : 13 Mar 2020 11:50 pm
Operator : VOA105:MAB
Sample : I8260STDL120PPB
Misc : WG1351154
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 15 01:04:53 2020
Quant Method : I:\VOLATILES\VOA105\2020\200313N\V105_200313N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Mar 15 00:46:55 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2020\200313N\V05200313N09.d
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	4.334	53	317016	132.883	ug/L	#	89
26) Ethyl tert-butyl ether	4.481	59	4667266	130.123	ug/L		94
27) Vinyl acetate	4.501	43	2778212	147.948	ug/L		100
28) cis-1,2-Dichloroethene	4.794	96	2010974	127.683	ug/L		95
29) 2,2-Dichloropropane	4.892	77	2893716	126.505	ug/L		96
30) Bromochloromethane	4.980	128	923803	126.487	ug/L		96
31) Cyclohexane	4.970	56	3003375	126.076	ug/L		96
32) Chloroform	5.058	83	3231812	121.390	ug/L		98
33) Ethyl acetate	5.156	43	916206	130.464	ug/L		98
34) Carbon tetrachloride	5.176	117	3061276	131.211	ug/L		99
35) Tetrahydrofuran	5.205	42	249556M1	111.972	ug/L		
37) 1,1,1-Trichloroethane	5.244	97	3167214	121.124	ug/L		99
39) 2-Butanone	5.352	43	374552	124.090	ug/L		89
40) 1,1-Dichloropropene	5.371	75	2666836	125.601	ug/L		97
41) Benzene	5.616	78	7467482	124.410	ug/L		99
42) tert-Amyl methyl ether	5.714	73	4249872	127.977	ug/L		88
44) 1,2-Dichloroethane	5.831	62	2158112	121.045	ug/L		98
47) Methyl cyclohexane	6.183	83	3499602	129.578	ug/L		98
48) Trichloroethene	6.203	95	2036964	129.481	ug/L		97
50) Dibromomethane	6.652	93	1040449	129.406	ug/L		94
51) 1,2-Dichloropropane	6.750	63	1787181	125.338	ug/L	#	92
53) 2-Chloroethyl vinyl ether	7.445	63	931487	128.903	ug/L		94
54) Bromodichloromethane	6.829	83	2599502	133.471	ug/L		98
57) 1,4-Dioxane	7.044	88	83988	1108.430	ug/L		99
58) cis-1,3-Dichloropropene	7.513	75	3092764	134.466	ug/L		97
61) Toluene	7.768	92	5108833	120.205	ug/L		98
62) 4-Methyl-2-pentanone	8.208	58	401105	128.591	ug/L		93
63) Tetrachloroethene	8.217	166	2456153	119.778	ug/L		93
65) trans-1,3-Dichloropropene	8.266	75	2596251	126.288	ug/L		100
67) Ethyl methacrylate	8.442	69	1854445	127.900	ug/L		87
68) 1,1,2-Trichloroethane	8.452	83	1154098	117.193	ug/L		97
69) Chlorodibromomethane	8.658	129	2001653	132.190	ug/L		99
70) 1,3-Dichloropropane	8.775	76	2597500	115.303	ug/L		99
71) 1,2-Dibromoethane	8.942	107	1373483	118.082	ug/L		100
72) 2-Hexanone	9.216	43	600827	117.612	ug/L		97
73) Chlorobenzene	9.578	112	5543882	123.551	ug/L		94
74) Ethylbenzene	9.608	91	9623353	118.614	ug/L		93
75) 1,1,1,2-Tetrachloroethane	9.666	131	1875393	119.044	ug/L		98
76) p/m Xylene	9.794	106	7795187	243.675	ug/L		79
77) o Xylene	10.342	106	7562557	248.329	ug/L		78

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2020\200313N\
Data File : V05200313N12.d
Acq On : 13 Mar 2020 11:50 pm
Operator : VOA105:MAB
Sample : I8260STDL120PPB
Misc : WG1351154
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 15 01:04:53 2020
Quant Method : I:\VOLATILES\VOA105\2020\200313N\V105_200313N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Mar 15 00:46:55 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2020\200313N\V05200313N09.d
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
78) Styrene	10.411	104	11619077	235.658	ug/L		93
80) Bromoform	10.440	173	1000623	136.998	ug/L		97
82) Isopropylbenzene	10.715	105	9462681	124.549	ug/L		95
84) Bromobenzene	11.165	156	2276147	129.318	ug/L		100
85) n-Propylbenzene	11.195	91	10751654	122.844	ug/L		94
86) 1,4-Dichlorobutane	11.224	55	1763551	117.613	ug/L		94
87) 1,1,2,2-Tetrachloroethane	11.302	83	1417677	131.489	ug/L		100
88) 4-Ethyltoluene	11.322	105	9135288	125.718	ug/L		96
89) 2-Chlorotoluene	11.371	91	5912886M1	117.560	ug/L		
90) 1,3,5-Trimethylbenzene	11.420	105	7525023	123.928	ug/L		94
91) 1,2,3-Trichloropropane	11.440	75	1121630	122.310	ug/L		99
92) trans-1,4-Dichloro-2-b...	11.489	53	325231	136.852	ug/L	#	51
93) 4-Chlorotoluene	11.557	91	6319065	122.574	ug/L		95
94) tert-Butylbenzene	11.763	119	6703788	125.357	ug/L		93
97) 1,2,4-Trimethylbenzene	11.841	105	7380527	124.828	ug/L		94
98) sec-Butylbenzene	11.949	105	9335936	121.845	ug/L		96
99) p-Isopropyltoluene	12.106	119	8192373	124.855	ug/L		96
100) 1,3-Dichlorobenzene	12.174	146	4078039	122.748	ug/L		98
101) 1,4-Dichlorobenzene	12.272	146	4057983	122.898	ug/L		98
102) p-Diethylbenzene	12.478	119	4900376	132.253	ug/L		98
103) n-Butylbenzene	12.537	91	6868060	124.645	ug/L		98
104) 1,2-Dichlorobenzene	12.693	146	3589885	122.578	ug/L		97
105) 1,2,4,5-Tetramethylben...	13.262	119	7141715	134.283	ug/L		94
106) 1,2-Dibromo-3-chloropr...	13.477	155	206276	149.300	ug/L		98
107) 1,3,5-Trichlorobenzene	13.497	180	2805242	130.791	ug/L		99
108) Hexachlorobutadiene	14.065	225	1157527	140.070	ug/L		99
109) 1,2,4-Trichlorobenzene	14.094	180	2323400	135.729	ug/L		99
110) Naphthalene	14.388	128	3867121	136.017	ug/L		100
111) 1,2,3-Trichlorobenzene	14.555	180	1778790	137.388	ug/L		99

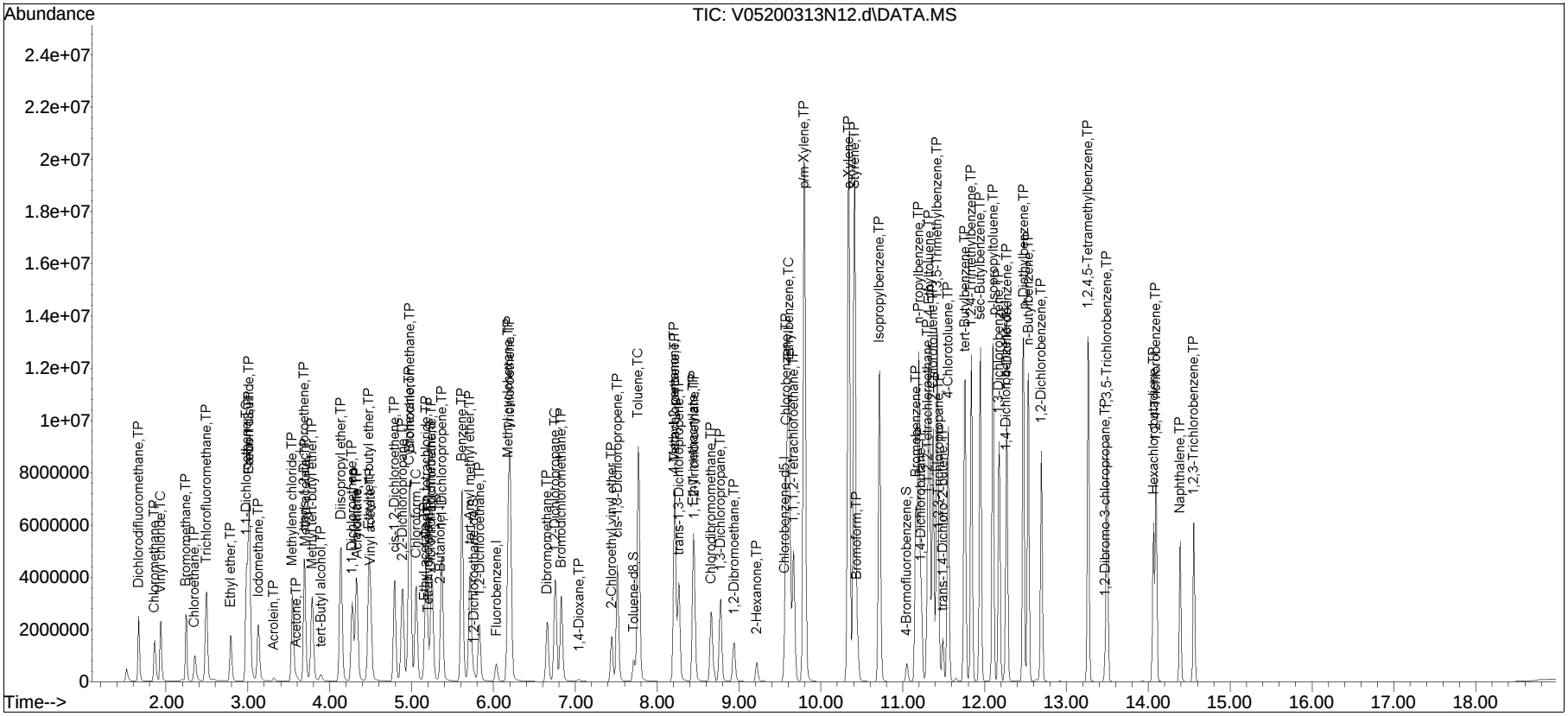
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2020\200313N\
Data File : V05200313N12.d
Acq On : 13 Mar 2020 11:50 pm
Operator : VOA105:MAB
Sample : I8260STDL120PPB
Misc : WG1351154
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 15 01:04:53 2020
Quant Method : I:\VOLATILES\VOA105\2020\200313N\V105_200313N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Mar 15 00:46:55 2020
Response via : Initial Calibration

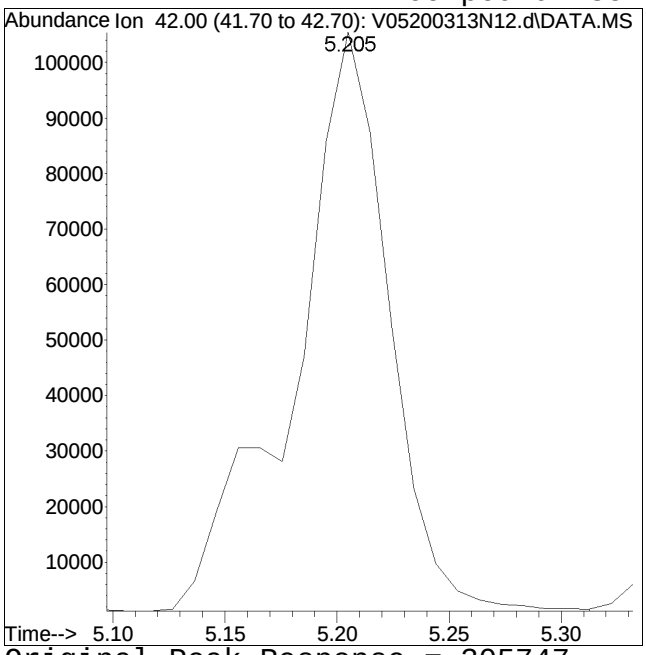
Sub List : 8260-Curve - Megamix plus Diox00313N\V05200313N09.d•

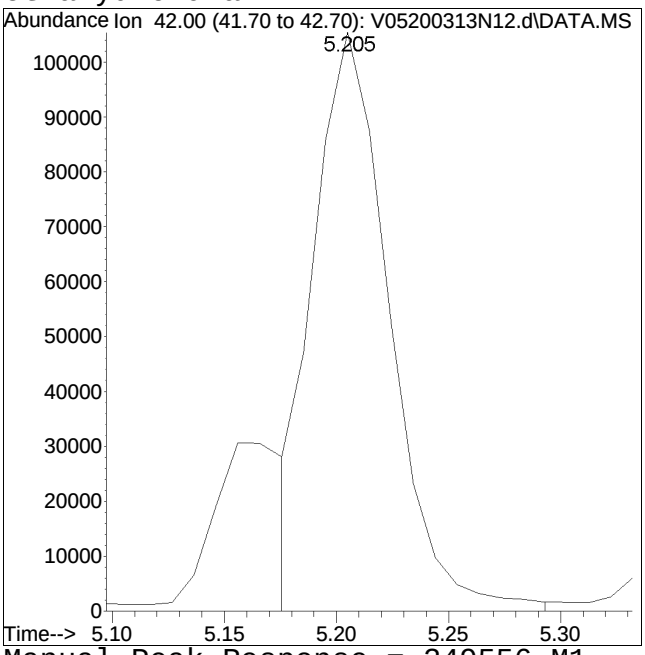


Manual Integration Report

Data Path : I:\VOLATILES\VOA105\2020\2QMethod : V105_200313N_8260.m
Data File : V05200313N12.d Operator : VOA105:MAB
Date Inj'd : 3/13/2020 11:50 pm Instrument : VOA 105
Sample : I8260STDL120PPB Quant Date : 3/15/2020 0:48 am

Compound #35: Tetrahydrofuran



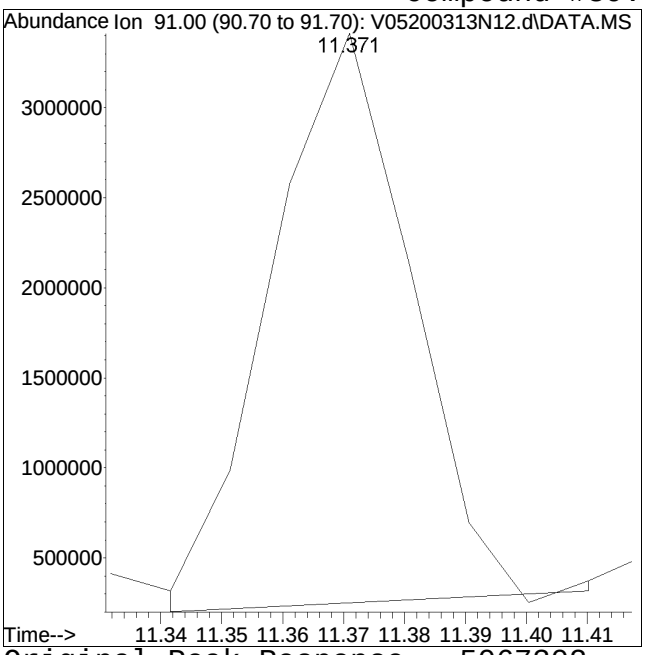


Original Peak Response = 305747 Manual Peak Response = 249556 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

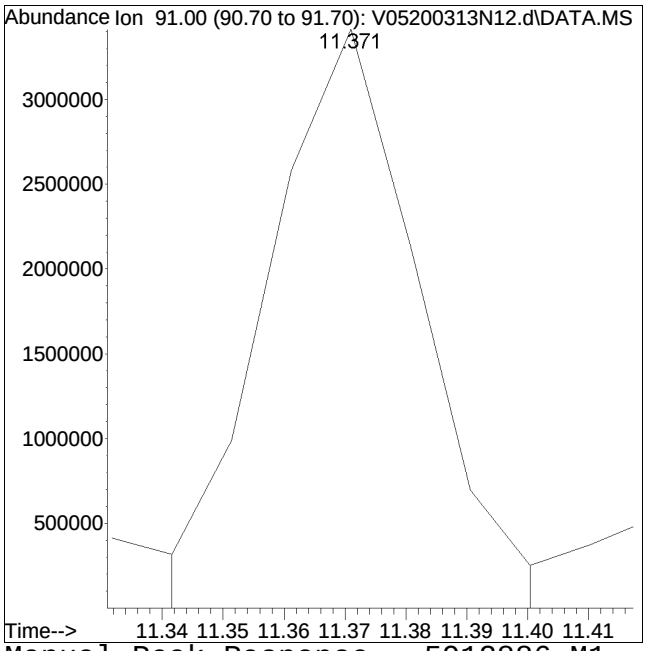
Manual Integration Report

Data Path : I:\VOLATILES\VOA105\2020\2QMethod : V105_200313N_8260.m
Data File : V05200313N12.d Operator : VOA105:MAB
Date Inj'd : 3/13/2020 11:50 pm Instrument : VOA 105
Sample : I8260STDL120PPB Quant Date : 3/15/2020 0:48 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 5067302



Manual Peak Response = 5912886 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2020\200313N\
Data File : V05200313N13.d
Acq On : 14 Mar 2020 12:13 am
Operator : VOA105:MAB
Sample : I8260STDL200PPB
Misc : WG1351154
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 15 01:06:48 2020
Quant Method : I:\VOLATILES\VOA105\2020\200313N\V105_200313N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Mar 15 00:46:55 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2020\200313N\V05200313N09.d
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.036	96	679079	10.000	ug/L	0.00
Standard Area 1 = 712253			Recovery =	95.34%		
59) Chlorobenzene-d5	9.559	117	593203	10.000	ug/L	-0.01
Standard Area 1 = 545597			Recovery =	108.73%		
79) 1,4-Dichlorobenzene-d4	12.262	152	272892	10.000	ug/L	0.00
Standard Area 1 = 289866			Recovery =	94.14%		
System Monitoring Compounds						
36) Dibromofluoromethane	5.234	113	185740	10.260	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	102.60%		
43) 1,2-Dichloroethane-d4	5.762	65	189248	9.414	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	94.14%		
60) Toluene-d8	7.719	98	704441	9.089	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	90.89%		
83) 4-Bromofluorobenzene	11.048	95	254592	10.058	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	100.58%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.664	85	3289601	221.324	ug/L	99
3) Chloromethane	1.860	50	3108471	224.056	ug/L	99
4) Vinyl chloride	1.928	62	3868830	221.121	ug/L	97
5) Bromomethane	2.241	94	2310773	267.238	ug/L	98
6) Chloroethane	2.349	64	1434394	158.145	ug/L	97
7) Trichlorofluoromethane	2.486	101	5359872	203.781	ug/L	100
8) Ethyl ether	2.789	74	1319311	201.444	ug/L	95
10) 1,1-Dichloroethene	2.985	96	2931404	230.783	ug/L	88
11) Carbon disulfide	3.014	76	8331288	244.955	ug/L	100
12) Freon-113	3.014	101	2923908	221.025	ug/L	79
13) Iodomethane	3.122	142	4372024	227.492	ug/L	94
14) Acrolein	3.317	56	207615	203.227	ug/L	96
15) Methylene chloride	3.542	84	3012647	220.495	ug/L	96
17) Acetone	3.591	43	370425	179.439	ug/L	95
18) trans-1,2-Dichloroethene	3.689	96	3215804	226.509	ug/L	94
19) Methyl acetate	3.699	43	1113808	217.000	ug/L #	92
20) Methyl tert-butyl ether	3.787	73	6550124	212.707	ug/L	96
21) tert-Butyl alcohol	3.894	59	553465	1014.900	ug/L #	76
22) Diisopropyl ether	4.139	45	8414755	219.397	ug/L	96
23) 1,1-Dichloroethane	4.276	63	5485503	214.997	ug/L	99
24) Halothane	4.325	117	2528712	224.054	ug/L	100

Data Path : I:\VOLATILES\VOA105\2020\200313N\
Data File : V05200313N13.d
Acq On : 14 Mar 2020 12:13 am
Operator : VOA105:MAB
Sample : I8260STDL200PPB
Misc : WG1351154
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 15 01:06:48 2020
Quant Method : I:\VOLATILES\VOA105\2020\200313N\V105_200313N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Mar 15 00:46:55 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2020\200313N\V05200313N09.d
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	4.334	53	529779	226.366	ug/L	#	88
26) Ethyl tert-butyl ether	4.481	59	7795444	221.545	ug/L		94
27) Vinyl acetate	4.501	43	4695261	254.878	ug/L		100
28) cis-1,2-Dichloroethene	4.794	96	3398563	219.963	ug/L		96
29) 2,2-Dichloropropane	4.892	77	4786466	213.302	ug/L		95
30) Bromochloromethane	4.990	128	1497409	208.996	ug/L		95
31) Cyclohexane	4.970	56	5196749	222.374	ug/L		95
32) Chloroform	5.058	83	5313813	203.456	ug/L		99
33) Ethyl acetate	5.156	43	1501289	217.918	ug/L		98
34) Carbon tetrachloride	5.176	117	5105111	223.050	ug/L		99
35) Tetrahydrofuran	5.205	42	402189M1	183.951	ug/L		
37) 1,1,1-Trichloroethane	5.244	97	5202210	202.801	ug/L		99
39) 2-Butanone	5.352	43	613685	207.253	ug/L		89
40) 1,1-Dichloropropene	5.371	75	4442082	213.261	ug/L		97
41) Benzene	5.616	78	12271181	208.399	ug/L		98
42) tert-Amyl methyl ether	5.714	73	6975463	214.121	ug/L	#	88
44) 1,2-Dichloroethane	5.831	62	3491491	199.624	ug/L		98
47) Methyl cyclohexane	6.183	83	6087203	229.753	ug/L		98
48) Trichloroethene	6.203	95	3478991	225.426	ug/L		98
50) Dibromomethane	6.652	93	1750263	221.904	ug/L		95
51) 1,2-Dichloropropane	6.760	63	3010081	215.189	ug/L	#	92
53) 2-Chloroethyl vinyl ether	7.445	63	1521413	214.616	ug/L		93
54) Bromodichloromethane	6.829	83	4303200	225.226	ug/L		98
57) 1,4-Dioxane	7.044	88	129016	1735.655	ug/L		99
58) cis-1,3-Dichloropropene	7.513	75	5236779	232.091	ug/L		96
61) Toluene	7.777	92	8708001	199.989	ug/L		93
62) 4-Methyl-2-pentanone	8.208	58	690014	215.922	ug/L		90
63) Tetrachloroethene	8.217	166	4184271	199.172	ug/L		93
65) trans-1,3-Dichloropropene	8.266	75	4351446	206.603	ug/L		99
67) Ethyl methacrylate	8.442	69	3118640	209.946	ug/L		86
68) 1,1,2-Trichloroethane	8.452	83	1933584	191.649	ug/L		97
69) Chlorodibromomethane	8.658	129	3356406	216.357	ug/L		99
70) 1,3-Dichloropropane	8.775	76	4309210	186.711	ug/L		99
71) 1,2-Dibromoethane	8.942	107	2258649	189.537	ug/L		100
72) 2-Hexanone	9.216	43	974996	186.291	ug/L		97
73) Chlorobenzene	9.578	112	9441498	205.381	ug/L		94
74) Ethylbenzene	9.608	91	15624952	187.981	ug/L		90
75) 1,1,1,2-Tetrachloroethane	9.666	131	3095878	191.817	ug/L		98
76) p/m Xylene	9.804	106	12459970	380.179	ug/L	#	68
77) o Xylene	10.342	106	12047228	386.129	ug/L	#	66

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2020\200313N\
Data File : V05200313N13.d
Acq On : 14 Mar 2020 12:13 am
Operator : VOA105:MAB
Sample : I8260STDL200PPB
Misc : WG1351154
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 15 01:06:48 2020
Quant Method : I:\VOLATILES\VOA105\2020\200313N\V105_200313N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Mar 15 00:46:55 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2020\200313N\V05200313N09.d
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
78) Styrene	10.411	104	17243703	341.372	ug/L		100
80) Bromoform	10.450	173	1571230	223.207	ug/L		96
82) Isopropylbenzene	10.715	105	14830150	202.532	ug/L		90
84) Bromobenzene	11.165	156	3805088	224.310	ug/L		100
85) n-Propylbenzene	11.195	91	16415060	194.601	ug/L	#	88
86) 1,4-Dichlorobutane	11.234	55	2844887	196.859	ug/L		93
87) 1,1,2,2-Tetrachloroethane	11.302	83	2340544	225.244	ug/L		99
88) 4-Ethyltoluene	11.322	105	14223253	203.094	ug/L		91
89) 2-Chlorotoluene	11.371	91	9873020	203.673	ug/L		92
90) 1,3,5-Trimethylbenzene	11.420	105	11853749	202.553	ug/L		90
91) 1,2,3-Trichloropropane	11.440	75	1819905	205.912	ug/L		100
92) trans-1,4-Dichloro-2-b...	11.489	53	508484	222.003	ug/L	#	46
93) 4-Chlorotoluene	11.557	91	10217475	205.642	ug/L		92
94) tert-Butylbenzene	11.763	119	10758188	208.732	ug/L		90
97) 1,2,4-Trimethylbenzene	11.841	105	11573229	203.096	ug/L		90
98) sec-Butylbenzene	11.949	105	14170334	191.891	ug/L		92
99) p-Isopropyltoluene	12.106	119	12559716	198.609	ug/L		94
100) 1,3-Dichlorobenzene	12.184	146	6652270	207.756	ug/L		98
101) 1,4-Dichlorobenzene	12.272	146	6605445	207.568	ug/L		98
102) p-Diethylbenzene	12.478	119	7964722	223.034	ug/L		97
103) n-Butylbenzene	12.537	91	10758500	202.589	ug/L		94
104) 1,2-Dichlorobenzene	12.693	146	5820356	206.208	ug/L		98
105) 1,2,4,5-Tetramethylben...	13.271	119	11063656	215.844	ug/L		91
106) 1,2-Dibromo-3-chloropr...	13.477	155	341759	256.658	ug/L		97
107) 1,3,5-Trichlorobenzene	13.497	180	4669142	225.875	ug/L		98
108) Hexachlorobutadiene	14.065	225	1970934	247.462	ug/L		99
109) 1,2,4-Trichlorobenzene	14.094	180	3855457	233.693	ug/L		99
110) Naphthalene	14.388	128	6198311	226.205	ug/L		100
111) 1,2,3-Trichlorobenzene	14.555	180	2890472	231.641	ug/L		99

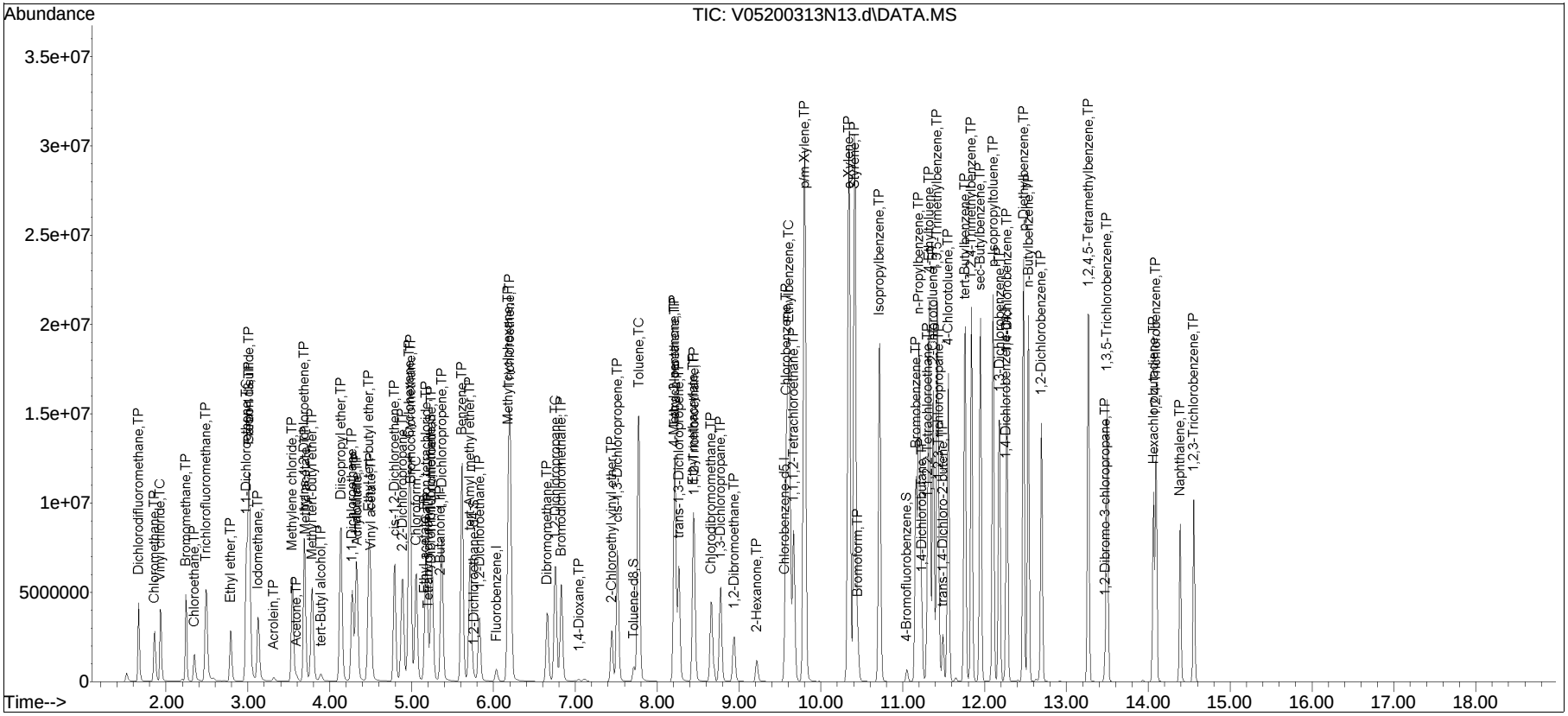
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2020\200313N\
Data File : V05200313N13.d
Acq On : 14 Mar 2020 12:13 am
Operator : VOA105:MAB
Sample : I8260STDL200PPB
Misc : WG1351154
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 15 01:06:48 2020
Quant Method : I:\VOLATILES\VOA105\2020\200313N\V105_200313N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Mar 15 00:46:55 2020
Response via : Initial Calibration

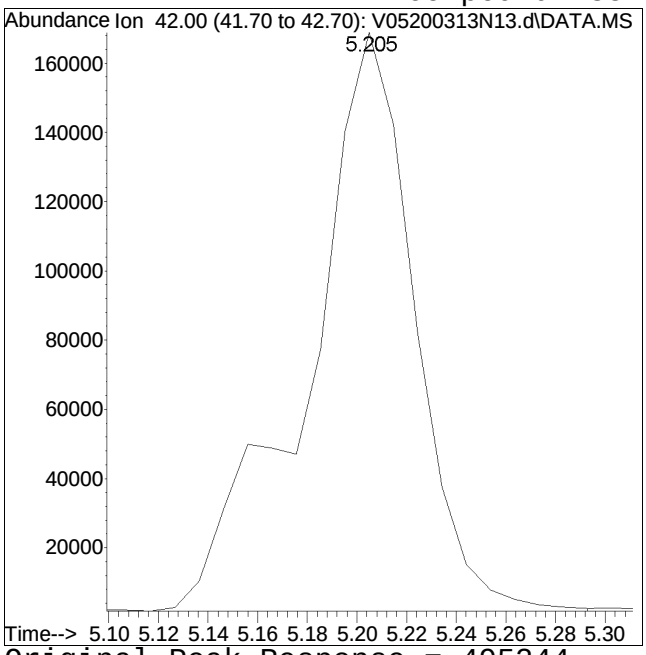
Sub List : 8260-Curve - Megamix plus Diox00313N\V05200313N09.d•

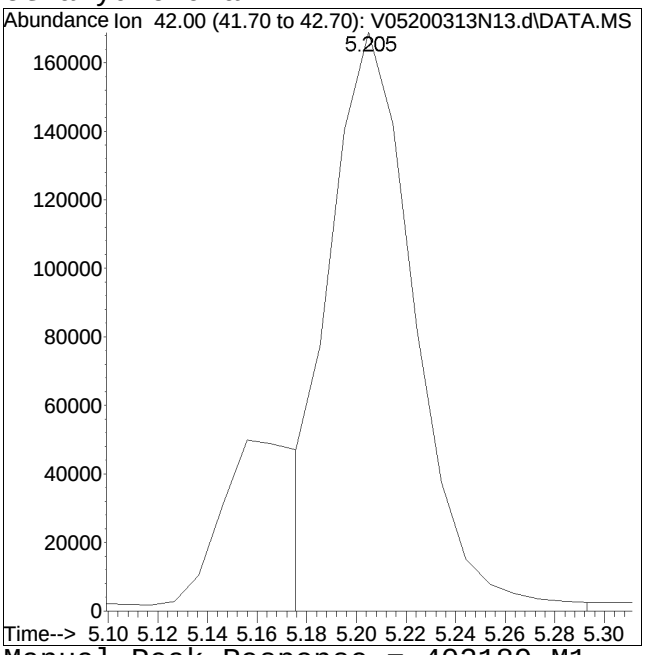


Manual Integration Report

Data Path : I:\VOLATILES\VOA105\2020\2QMethod : V105_200313N_8260.m
Data File : V05200313N13.d Operator : VOA105:MAB
Date Inj'd : 3/14/2020 12:13 am Instrument : VOA 105
Sample : I8260STDL200PPB Quant Date : 3/15/2020 0:48 am

Compound #35: Tetrahydrofuran





Original Peak Response = 495244 Manual Peak Response = 402189 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA105\2020\200313N\
Data File : V05200313N20.d
Acq On : 14 Mar 2020 2:55 am
Operator : VOA105:MAB
Sample : C8260STDL10PPB
Misc : WG1351154
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Mar 15 10:44:30 2020
Quant Method : I:\VOLATILES\VOA105\2020\200313N\V105_200313N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Mar 15 01:23:14 2020
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	98	0.00
2	TP	Dichlorodifluoromethane	0.211	0.251	-19.0	112	0.00
3	TP	Chloromethane	0.205	0.217	-5.9	104	-0.01
4	TC	Vinyl chloride	0.257	0.261	-1.6	99	0.00
5	TP	Bromomethane	0.141	0.167	-18.4	129	0.00
6	TP	Chloroethane	0.127	0.138	-8.7	101	0.00
7	TP	Trichlorofluoromethane	0.369	0.406	-10.0	103	-0.01
8	TP	Ethyl ether	0.099	0.100	-1.0	102	0.00
10	TC	1,1-Dichloroethene	0.191	0.164	14.1	86	-0.01
11	TP	Carbon disulfide	0.524	0.600	-14.5	117	-0.01
12	TP	Freon-113	0.189	0.194	-2.6	98	0.00
13	TP	Iodomethane	0.288	0.303	-5.2	105	0.00
14	TP	Acrolein	0.017	0.016#	5.9	102	0.00
15	TP	Methylene chloride	0.211	0.187	11.4	91	0.00
17	TP	Acetone	* 10.000	9.636	3.6	95	-0.01
18	TP	trans-1,2-Dichloroethene	0.215	0.187	13.0	87	0.00
19	TP	Methyl acetate	0.084	0.066#	21.4#	86	0.00
20	TP	Methyl tert-butyl ether	0.463	0.434	6.3	94	-0.01
21	TP	tert-Butyl alcohol	0.00816	0.00698#	14.5	85	0.00
22	TP	Diisopropyl ether	0.578	0.548	5.2	95	-0.01
23	TP	1,1-Dichloroethane	0.379	0.340	10.3	89	-0.01
24	TP	Halothane	0.166	0.158	4.8	93	-0.01
25	TP	Acrylonitrile	0.036	0.034#	5.6	97	0.00
26	TP	Ethyl tert-butyl ether	0.531	0.516	2.8	97	0.00
27	TP	Vinyl acetate	0.300	0.328	-9.3	118	0.00
28	TP	cis-1,2-Dichloroethene	0.233	0.215	7.7	93	0.00
29	TP	2,2-Dichloropropane	0.333	0.271	18.6	80	-0.01
30	TP	Bromochloromethane	0.105	0.100	4.8	92	-0.01
31	TP	Cyclohexane	0.334	0.320	4.2	91	0.00
32	TC	Chloroform	0.383	0.347	9.4	88	0.00
33	TP	Ethyl acetate	0.104	0.097	6.7	94	-0.01
34	TP	Carbon tetrachloride	0.344	0.301	12.5	87	-0.01
35	TP	Tetrahydrofuran	* 10.000	8.987	10.1	89	-0.01
36	S	Dibromofluoromethane	0.268	0.270	-0.7	99	0.00
37	TP	1,1,1-Trichloroethane	0.367	0.341	7.1	88	-0.02
39	TP	2-Butanone	0.044	0.042#	4.5	95	-0.02
40	TP	1,1-Dichloropropene	0.305	0.280	8.2	89	0.00
41	TP	Benzene	0.870	0.788	9.4	89	-0.01
42	TP	tert-Amyl methyl ether	0.490	0.461	5.9	94	0.00

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA105\2020\200313N\
Data File : V05200313N20.d
Acq On : 14 Mar 2020 2:55 am
Operator : VOA105:MAB
Sample : C8260STDL10PPB
Misc : WG1351154
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Mar 15 10:44:30 2020
Quant Method : I:\VOLATILES\VOA105\2020\200313N\V105_200313N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Mar 15 01:23:14 2020
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
43	S	1,2-Dichloroethane-d4	0.287	0.294	-2.4	97	0.00
44	TP	1,2-Dichloroethane	0.258	0.244	5.4	93	-0.01
47	TP	Methyl cyclohexane	0.382	0.351	8.1	88	-0.01
48	TP	Trichloroethene	0.247	0.208	15.8	90	0.00
50	TP	Dibromomethane	0.118	0.107	9.3	90	0.00
51	TC	1,2-Dichloropropane	0.206	0.189	8.3	90	0.00
53	TP	2-Chloroethyl vinyl ether	0.103	0.104	-1.0	97	-0.02
54	TP	Bromodichloromethane	0.289	0.243	15.9	85	0.00
57	TP	1,4-Dioxane	0.00105	0.00095#	9.5	85	-0.01
58	TP	cis-1,3-Dichloropropene	0.341	0.291	14.7	86	-0.02
59	I	Chlorobenzene-d5	1.000	1.000	0.0	100	-0.01
60	S	Toluene-d8	1.265	1.291	-2.1	99	-0.01
61	TC	Toluene	0.720	0.668	7.2	91	-0.02
62	TP	4-Methyl-2-pentanone	0.053	0.052#	1.9	96	0.00
63	TP	Tetrachloroethene	0.343	0.323	5.8	91	0.00
65	TP	trans-1,3-Dichloropropene	0.350	0.316	9.7	89	0.00
67	TP	Ethyl methacrylate	0.249	0.239	4.0	95	0.00
68	TP	1,1,2-Trichloroethane	0.164	0.155	5.5	91	0.00
69	TP	Chlorodibromomethane	0.262	0.229	12.6	87	-0.02
70	TP	1,3-Dichloropropane	0.367	0.357	2.7	91	0.00
71	TP	1,2-Dibromoethane	0.192	0.183	4.7	91	-0.01
72	TP	2-Hexanone	0.090	0.082#	8.9	92	-0.01
73	TP	Chlorobenzene	0.771	0.728	5.6	94	-0.02
74	TC	Ethylbenzene	1.362	1.314	3.5	94	-0.02
75	TP	1,1,1,2-Tetrachloroethane	0.261	0.253	3.1	93	0.00
76	TP	p/m Xylene	0.537	0.506	5.8	91	-0.02
77	TP	o Xylene	0.517	0.496	4.1	94	0.00
78	TP	Styrene	0.803	0.807	-0.5	95	-0.01
79	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	99	-0.01
80	TP	Bromoform	0.260	0.236	9.2	91	0.00
82	TP	Isopropylbenzene	2.657	2.423	8.8	89	-0.01
83	S	4-Bromofluorobenzene	0.941	0.922	2.0	98	-0.01
84	TP	Bromobenzene	0.638	0.590	7.5	94	0.00
85	TP	n-Propylbenzene	3.034	2.838	6.5	91	-0.01
86	TP	1,4-Dichlorobutane	0.528	0.532	-0.8	99	0.00
87	TP	1,1,2,2-Tetrachloroethane	0.395	0.356	9.9	92	0.00
88	TP	4-Ethyltoluene	2.528	2.487	1.6	96	0.00

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA105\2020\200313N\
Data File : V05200313N20.d
Acq On : 14 Mar 2020 2:55 am
Operator : VOA105:MAB
Sample : C8260STDL10PPB
Misc : WG1351154
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Mar 15 10:44:30 2020
Quant Method : I:\VOLATILES\VOA105\2020\200313N\V105_200313N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Mar 15 01:23:14 2020
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
89 TP	2-Chlorotoluene	1.718	1.591	7.4	89	0.00
90 TP	1,3,5-Trimethylbenzene	2.115	1.978	6.5	91	0.00
91 TP	1,2,3-Trichloropropane	0.333	0.300	9.9	92	0.00
92 TP	trans-1,4-Dichloro-2-butene	0.091	0.073	19.8	86	0.00
93 TP	4-Chlorotoluene	1.810	1.675	7.5	91	-0.02
94 TP	tert-Butylbenzene	1.874	1.737	7.3	91	0.00
97 TP	1,2,4-Trimethylbenzene	2.070	1.990	3.9	94	0.00
98 TP	sec-Butylbenzene	2.640	2.499	5.3	91	0.00
99 TP	p-Isopropyltoluene	2.273	2.142	5.8	91	0.00
100 TP	1,3-Dichlorobenzene	1.168	1.104	5.5	93	-0.02
101 TP	1,4-Dichlorobenzene	1.174	1.107	5.7	94	0.00
102 TP	p-Diethylbenzene	1.320	1.211	8.3	92	0.00
103 TP	n-Butylbenzene	1.933	1.784	7.7	91	0.00
104 TP	1,2-Dichlorobenzene	1.031	0.963	6.6	92	0.00
105 TP	1,2,4,5-Tetramethylbenzene	1.906	1.798	5.7	95	-0.01
106 TP	1,2-Dibromo-3-chloropropane	0.052	0.043#	17.3	87	0.00
107 TP	1,3,5-Trichlorobenzene	0.776	0.703	9.4	92	-0.01
108 TP	Hexachlorobutadiene	0.308	0.279	9.4	94	0.00
109 TP	1,2,4-Trichlorobenzene	0.642	0.589	8.3	96	0.00
110 TP	Naphthalene	1.064	0.972	8.6	96	0.00
111 TP	1,2,3-Trichlorobenzene	0.490	0.454	7.3	98	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 9 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2020\200313N\
Data File : V05200313N20.d
Acq On : 14 Mar 2020 2:55 am
Operator : VOA105:MAB
Sample : C8260STDL10PPB
Misc : WG1351154
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Mar 15 10:44:30 2020
Quant Method : I:\VOLATILES\VOA105\2020\200313N\V105_200313N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Mar 15 01:23:14 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2020\200313N\V05200313N09.d
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.036	96	696940	10.000	ug/L	0.00
Standard Area 1 = 712253			Recovery =	97.85%		
59) Chlorobenzene-d5	9.559	117	544331	10.000	ug/L	-0.01
Standard Area 1 = 545597			Recovery =	99.77%		
79) 1,4-Dichlorobenzene-d4	12.253	152	286858	10.000	ug/L	-0.01
Standard Area 1 = 289866			Recovery =	98.96%		
System Monitoring Compounds						
36) Dibromofluoromethane	5.234	113	187956	10.075	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	100.75%		
43) 1,2-Dichloroethane-d4	5.762	65	204765	10.241	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	102.41%		
60) Toluene-d8	7.719	98	702778	10.204	ug/L	-0.01
Spiked Amount 10.000	Range 70 - 130		Recovery =	102.04%		
83) 4-Bromofluorobenzene	11.048	95	264378	9.795	ug/L	-0.01
Spiked Amount 10.000	Range 70 - 130		Recovery =	97.95%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.664	85	175132	11.912	ug/L	99
3) Chloromethane	1.860	50	151306	10.615	ug/L	99
4) Vinyl chloride	1.938	62	181740	10.166	ug/L	98
5) Bromomethane	2.251	94	116541	11.836	ug/L	97
6) Chloroethane	2.368	64	96205	10.871	ug/L	100
7) Trichlorofluoromethane	2.496	101	282842	10.996	ug/L	100
8) Ethyl ether	2.789	74	69738	10.119	ug/L	96
10) 1,1-Dichloroethene	2.985	96	113979	8.547	ug/L	90
11) Carbon disulfide	3.014	76	418096	11.453	ug/L	99
12) Freon-113	3.024	101	135540	10.282	ug/L #	68
13) Iodomethane	3.131	142	211113	10.516	ug/L	96
14) Acrolein	3.327	56	10944	9.498	ug/L	100
15) Methylene chloride	3.542	84	130008	8.852	ug/L	94
17) Acetone	3.601	43	20482	9.636	ug/L	99
18) trans-1,2-Dichloroethene	3.699	96	130068	8.676	ug/L	95
19) Methyl acetate	3.708	43	46342	7.946	ug/L #	91
20) Methyl tert-butyl ether	3.787	73	302168	9.362	ug/L	98
21) tert-Butyl alcohol	3.894	59	24340	42.806	ug/L	86
22) Diisopropyl ether	4.139	45	381991	9.475	ug/L	97
23) 1,1-Dichloroethane	4.276	63	236886	8.963	ug/L	98
24) Halothane	4.325	117	109797	9.486	ug/L	99

Data Path : I:\VOLATILES\VOA105\2020\200313N\
Data File : V05200313N20.d
Acq On : 14 Mar 2020 2:55 am
Operator : VOA105:MAB
Sample : C8260STDL10PPB
Misc : WG1351154
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Mar 15 10:44:30 2020
Quant Method : I:\VOLATILES\VOA105\2020\200313N\V105_200313N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Mar 15 01:23:14 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2020\200313N\V05200313N09.d
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	4.344	53	23807	9.389	ug/L		92
26) Ethyl tert-butyl ether	4.481	59	359446	9.709	ug/L		92
27) Vinyl acetate	4.510	43	228373	10.936	ug/L		100
28) cis-1,2-Dichloroethene	4.794	96	149996	9.246	ug/L		94
29) 2,2-Dichloropropane	4.892	77	188830	8.134	ug/L		98
30) Bromochloromethane	4.990	128	69407	9.452	ug/L		97
31) Cyclohexane	4.970	56	222753	9.576	ug/L		95
32) Chloroform	5.058	83	241752	9.052	ug/L		97
33) Ethyl acetate	5.166	43	67782	9.380	ug/L		98
34) Carbon tetrachloride	5.176	117	209947	8.769	ug/L		99
35) Tetrahydrofuran	5.215	42	20382M1	8.987	ug/L		
37) 1,1,1-Trichloroethane	5.244	97	237483	9.274	ug/L		98
39) 2-Butanone	5.352	43	29470	9.662	ug/L		88
40) 1,1-Dichloropropene	5.371	75	194853	9.168	ug/L		96
41) Benzene	5.616	78	549447	9.062	ug/L		99
42) tert-Amyl methyl ether	5.713	73	321415	9.412	ug/L		91
44) 1,2-Dichloroethane	5.831	62	169963	9.445	ug/L		99
47) Methyl cyclohexane	6.183	83	244465	9.194	ug/L		100
48) Trichloroethene	6.212	95	144955	8.409	ug/L		94
50) Dibromomethane	6.662	93	74367	9.019	ug/L		94
51) 1,2-Dichloropropane	6.760	63	131833	9.193	ug/L	#	92
53) 2-Chloroethyl vinyl ether	7.445	63	72398	10.045	ug/L		95
54) Bromodichloromethane	6.829	83	169578	8.414	ug/L		98
57) 1,4-Dioxane	7.044	88	32997	450.960	ug/L		98
58) cis-1,3-Dichloropropene	7.513	75	202513	8.518	ug/L		100
61) Toluene	7.767	92	363667	9.280	ug/L		99
62) 4-Methyl-2-pentanone	8.217	58	28122	9.665	ug/L		98
63) Tetrachloroethene	8.217	166	175959	9.435	ug/L		93
65) trans-1,3-Dichloropropene	8.266	75	171922	9.015	ug/L		94
67) Ethyl methacrylate	8.442	69	130062	9.615	ug/L		88
68) 1,1,2-Trichloroethane	8.452	83	84232	9.464	ug/L		98
69) Chlorodibromomethane	8.658	129	124741	8.736	ug/L		99
70) 1,3-Dichloropropane	8.775	76	194131	9.711	ug/L		96
71) 1,2-Dibromoethane	8.942	107	99632	9.538	ug/L		99
72) 2-Hexanone	9.226	43	44368	9.101	ug/L		99
73) Chlorobenzene	9.578	112	396203	9.438	ug/L		94
74) Ethylbenzene	9.608	91	715060	9.646	ug/L		95
75) 1,1,1,2-Tetrachloroethane	9.666	131	137715	9.702	ug/L		96
76) p/m Xylene	9.794	106	551028	18.846	ug/L		87
77) o Xylene	10.342	106	540448	19.223	ug/L		86

Data Path : I:\VOLATILES\VOA105\2020\200313N\
Data File : V05200313N20.d
Acq On : 14 Mar 2020 2:55 am
Operator : VOA105:MAB
Sample : C8260STDL10PPB
Misc : WG1351154
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Mar 15 10:44:30 2020
Quant Method : I:\VOLATILES\VOA105\2020\200313N\V105_200313N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Mar 15 01:23:14 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2020\200313N\V05200313N09.d
Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
78)	Styrene	10.411	104	878535	20.097	ug/L		90
80)	Bromoform	10.440	173	67820	9.103	ug/L		96
82)	Isopropylbenzene	10.715	105	695007	9.120	ug/L		96
84)	Bromobenzene	11.165	156	169313	9.253	ug/L		99
85)	n-Propylbenzene	11.195	91	814162	9.353	ug/L		96
86)	1,4-Dichlorobutane	11.224	55	152558	10.082	ug/L		95
87)	1,1,2,2-Tetrachloroethane	11.302	83	102048	9.003	ug/L		100
88)	4-Ethyltoluene	11.322	105	713406	9.836	ug/L		97
89)	2-Chlorotoluene	11.371	91	456446M1	9.264	ug/L		
90)	1,3,5-Trimethylbenzene	11.420	105	567374	9.354	ug/L		95
91)	1,2,3-Trichloropropane	11.440	75	86168	9.024	ug/L		98
92)	trans-1,4-Dichloro-2-b...	11.489	53	20871	8.033	ug/L	#	66
93)	4-Chlorotoluene	11.547	91	480415	9.253	ug/L		94
94)	tert-Butylbenzene	11.753	119	498208	9.269	ug/L		94
97)	1,2,4-Trimethylbenzene	11.841	105	570709	9.609	ug/L		95
98)	sec-Butylbenzene	11.949	105	716946	9.468	ug/L		97
99)	p-Isopropyltoluene	12.096	119	614396	9.422	ug/L		96
100)	1,3-Dichlorobenzene	12.174	146	316798	9.454	ug/L		97
101)	1,4-Dichlorobenzene	12.272	146	317498	9.427	ug/L		97
102)	p-Diethylbenzene	12.468	119	347388	9.175	ug/L		98
103)	n-Butylbenzene	12.527	91	511816	9.230	ug/L		98
104)	1,2-Dichlorobenzene	12.693	146	276239	9.340	ug/L		97
105)	1,2,4,5-Tetramethylben...	13.262	119	515822	9.436	ug/L		95
106)	1,2-Dibromo-3-chloropr...	13.477	155	12363	8.245	ug/L		96
107)	1,3,5-Trichlorobenzene	13.497	180	201747	9.063	ug/L		98
108)	Hexachlorobutadiene	14.065	225	79917	9.051	ug/L		99
109)	1,2,4-Trichlorobenzene	14.094	180	169096	9.189	ug/L		99
110)	Naphthalene	14.388	128	278930	9.140	ug/L		100
111)	1,2,3-Trichlorobenzene	14.555	180	130283	9.265	ug/L		98

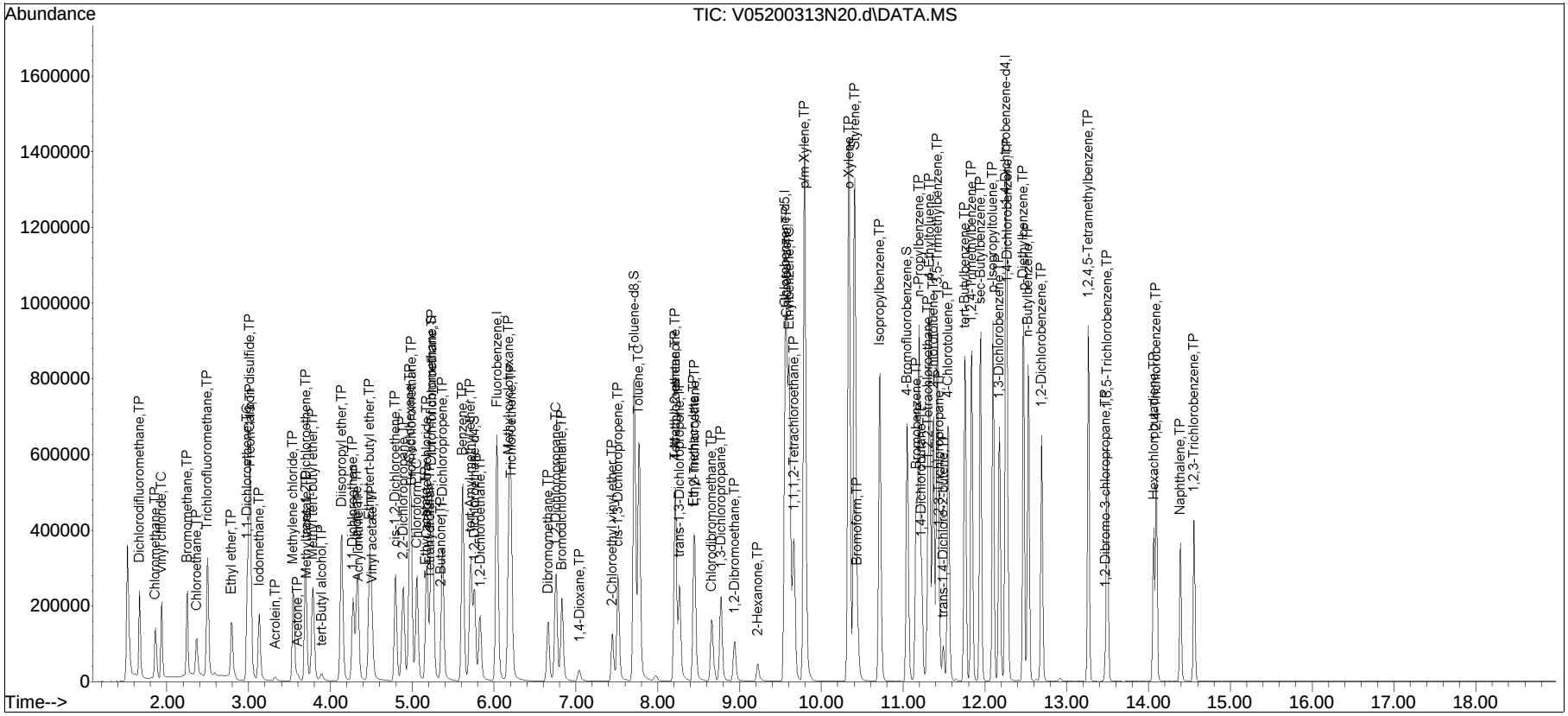
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2020\200313N\
Data File : V05200313N20.d
Acq On : 14 Mar 2020 2:55 am
Operator : VOA105:MAB
Sample : C8260STDL10PPB
Misc : WG1351154
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Mar 15 10:44:30 2020
Quant Method : I:\VOLATILES\VOA105\2020\200313N\V105_200313N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Mar 15 01:23:14 2020
Response via : Initial Calibration

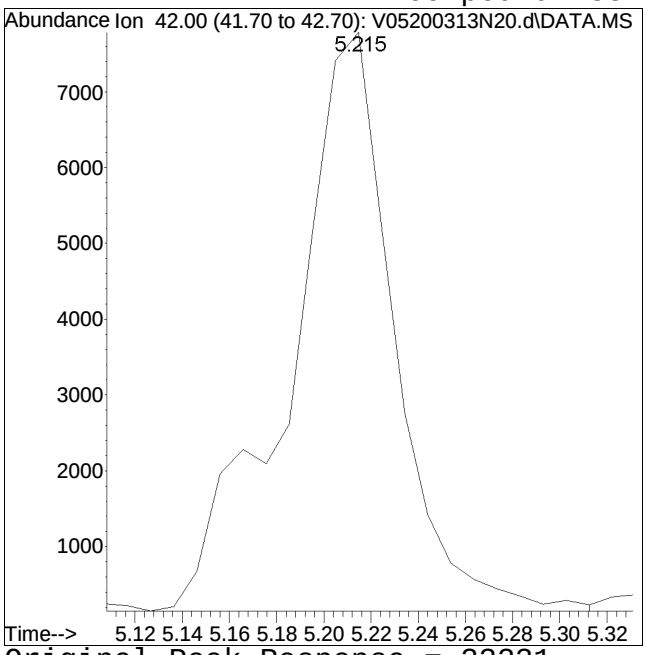
Sub List : 8260-Curve - Megamix plus Diox00313N\V05200313N09.d•

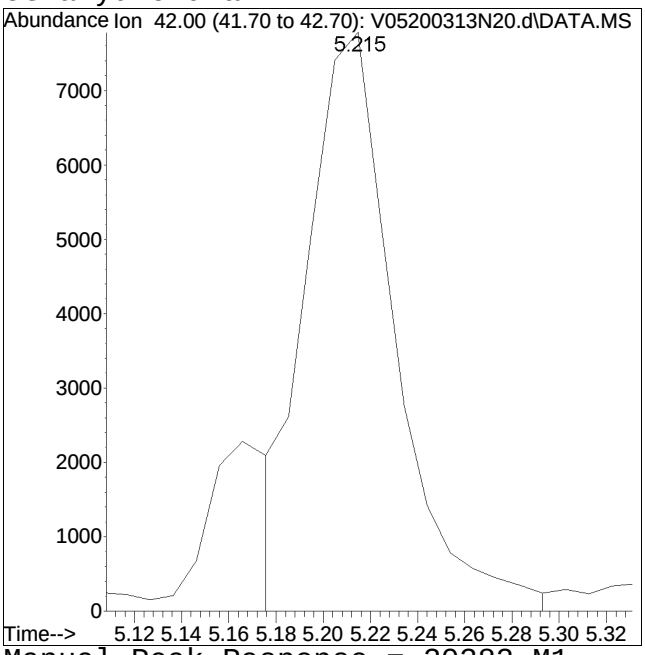


Manual Integration Report

Data Path : I:\VOLATILES\VOA105\2020\2QMethod : V105_200313N_8260.m
Data File : V05200313N20.d Operator : VOA105:MAB
Date Inj'd : 3/14/2020 2:55 am Instrument : VOA 105
Sample : C8260STDL10PPB Quant Date : 3/15/2020 1:24 am

Compound #35: Tetrahydrofuran



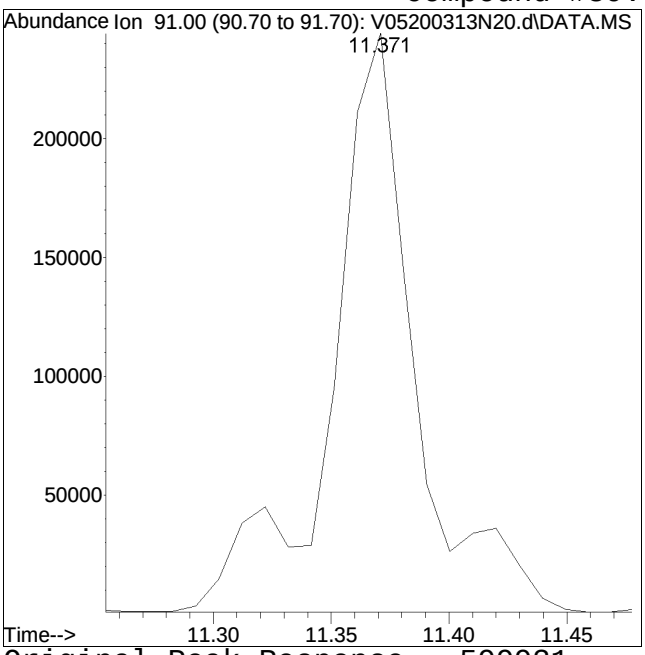


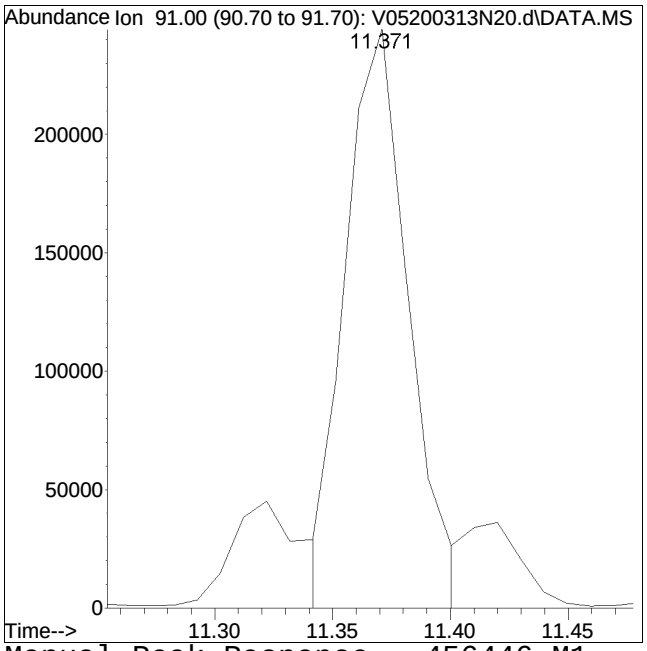
Original Peak Response = 23231 Manual Peak Response = 20382 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA105\2020\2QMethod : V105_200313N_8260.m
Data File : V05200313N20.d Operator : VOA105:MAB
Date Inj'd : 3/14/2020 2:55 am Instrument : VOA 105
Sample : C8260STDL10PPB Quant Date : 3/15/2020 1:24 am

Compound #89: 2-Chlorotoluene





Original Peak Response = 599931 Manual Peak Response = 456446 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Response Factor Report Elaine

Method Path : I:\VOLATILES\Elaine\2020\200421N\
Method File : Elaine_200421N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Wed Apr 22 18:53:41 2020
Response Via : Initial Calibration

Calibration Files
L11 =VE200421N08.D L1 =VE200421N10.D L2 =VE200421N12.D L3 =VE200421N13.D L4 =VE200421N14.D
L6 =VE200421N15.D L8 =VE200421N16.D L10 =VE200421N17.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1)	I	Fluorobenzene	----------ISTD----------									
2)	TP	Dichlorodifluo...		0.115	0.145	0.189	0.176	0.178	0.175	0.170	0.164	15.51
3)	TP	Chloromethane		0.175	0.253	0.284	0.262	0.257	0.263	0.252	0.249	13.76
4)	TC	Vinyl chloride	0.245	0.160	0.218	0.248	0.244	0.242	0.244	0.233	0.229	12.86
5)	TP	Bromomethane		0.097	0.125	0.133	0.126	0.125	0.129	0.128	0.124	9.58
6)	TP	Chloroethane		0.112	0.128	0.152	0.135	0.137	0.136	0.126	0.132	9.40
7)	TP	Trichlorofluor...		0.155	0.226	0.277	0.271	0.280	0.274	0.264	0.250	18.20
8)	TP	Ethyl ether		0.102	0.108	0.120	0.107	0.110	0.107	0.106	0.109	5.16
10)	TC	1,1-Dichloroet...		0.113	0.148	0.186	0.171	0.182	0.177	0.178	0.165	15.72
11)	TP	Carbon disulfide		0.253	0.335	0.435	0.401	0.402	0.407	0.392	0.375	16.48
12)	TP	Freon-113		0.102	0.145	0.193	0.181	0.190	0.185	0.182	0.168	19.79
13)	TP	Iodomethane			0.140	0.206	0.214	0.242	0.234	0.223	0.210	17.39
14)	TP	Acrolein			0.022	0.031	0.027	0.027	0.028	0.027	0.027#	11.22
15)	TP	Methylene chlo...		0.177	0.190	0.207	0.183	0.188	0.191	0.182	0.188	5.02
17)	TP	Acetone			0.052	0.051	0.043	0.042	0.044	0.042	0.046#	9.75
18)	TP	trans-1,2-Dich...		0.113	0.151	0.186	0.175	0.179	0.176	0.177	0.165	15.51
19)	TP	Methyl acetate		0.160	0.147	0.142	0.127	0.127	0.128	0.126	0.137	9.68
20)	TP	Methyl tert-bu...		0.448	0.500	0.580	0.513	0.514	0.515	0.505	0.511	7.51
21)	TP	tert-Butyl alc...		0.015	0.015	0.018	0.016	0.017	0.017	0.016	0.016#	7.10
22)	TP	Diisopropyl ether		0.646	0.792	0.871	0.815	0.808	0.823	0.781	0.791	8.84
23)	TP	1,1-Dichloroet...		0.282	0.338	0.405	0.380	0.379	0.383	0.374	0.363	11.31
24)	TP	Halothane			0.138	0.165	0.155	0.158	0.159	0.156	0.155	5.82
25)	TP	Acrylonitrile		0.050	0.061	0.068	0.064	0.062	0.063	0.062	0.061	9.07
26)	TP	Ethyl tert-but...		0.600	0.684	0.762	0.697	0.705	0.717	0.684	0.693	7.03
27)	TP	Vinyl acetate		0.412	0.510	0.609	0.546	0.561	0.572	0.536	0.535	11.64
28)	TP	cis-1,2-Dichlo...		0.152	0.197	0.229	0.220	0.223	0.217	0.219	0.208	12.80
29)	TP	2,2-Dichloropr...		0.195	0.266	0.313	0.298	0.307	0.301	0.290	0.281	14.61
30)	TP	Bromochloromet...		0.072	0.083	0.103	0.098	0.098	0.095	0.087	0.091	11.83
31)	TP	Cyclohexane		0.251	0.330	0.425	0.419	0.429	0.426	0.416	0.385	17.79
32)	TC	Chloroform		0.266	0.325	0.349	0.330	0.325	0.332	0.321	0.321	8.09
33)	TP	Ethyl acetate		0.159	0.176	0.187	0.172	0.175	0.175	0.170	0.173	4.75

Method Path : I:\VOLATILES\Elaine\2020\200421N\
Method File : Elaine_200421N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Wed Apr 22 18:53:41 2020
Response Via : Initial Calibration

Calibration Files
L11 =VE200421N08.D L1 =VE200421N10.D L2 =VE200421N12.D L3 =VE200421N13.D L4 =VE200421N14.D
L6 =VE200421N15.D L8 =VE200421N16.D L10 =VE200421N17.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
34)	TP	Carbon tetrach...	0.257	0.166	0.220	0.268	0.261	0.267	0.265	0.262	0.246	14.53
35)	TP	Tetrahydrofuran			0.047	0.052	0.048	0.049	0.050	0.048	0.049#	3.62
36)	S	Dibromofluorom...	0.238	0.238	0.231	0.239	0.233	0.241	0.243	0.239	0.238	1.64
37)	TP	1,1,1-Trichlor...		0.210	0.264	0.323	0.299	0.306	0.307	0.300	0.287	13.36
39)	TP	2-Butanone			0.083	0.078	0.072	0.072	0.073	0.074	0.075#	5.68
40)	TP	1,1-Dichloropr...		0.159	0.242	0.278	0.262	0.275	0.274	0.269	0.251	16.86
41)	TP	Benzene	0.918	0.614	0.734	0.862	0.796	0.810	0.815	0.780	0.791	11.35
42)	TP	tert-Amyl meth...		0.492	0.530	0.620	0.558	0.563	0.569	0.540	0.553	7.10
43)	S	1,2-Dichloroet...	0.287	0.282	0.287	0.279	0.274	0.276	0.286	0.282	0.282	1.74
44)	TP	1,2-Dichloroet...		0.212	0.237	0.282	0.254	0.256	0.258	0.245	0.249	8.71
47)	TP	Methyl cyclohe...		0.216	0.265	0.374	0.360	0.372	0.368	0.356	0.330	19.07
48)	TP	Trichloroethene	0.250	0.150	0.168	0.198	0.193	0.199	0.200	0.193	0.194#	14.96
50)	TP	Dibromomethane		0.082	0.098	0.111	0.100	0.099	0.102	0.098	0.099	8.77
51)	TC	1,2-Dichloropr...		0.183	0.199	0.237	0.216	0.215	0.219	0.211	0.212	8.02
53)	TP	2-Chloroethyl ...		0.103	0.113	0.130	0.122	0.121	0.122	0.118	0.119	7.16
54)	TP	Bromodichlorom...		0.196	0.226	0.261	0.247	0.249	0.258	0.246	0.240	9.31
57)	TP	1,4-Dioxane		0.001	0.001	0.002	0.001	0.001	0.001	0.001	0.001#	6.40
58)	TP	cis-1,3-Dichlo...		0.242	0.299	0.350	0.320	0.327	0.331	0.316	0.312	11.03
59)	I	Chlorobenzene-d5	----------ISTD----------									
60)	S	Toluene-d8	1.346	1.339	1.342	1.330	1.362	1.359	1.357	1.371	1.351	1.01
61)	TC	Toluene		0.530	0.626	0.704	0.695	0.691	0.697	0.685	0.661	9.61
62)	TP	4-Methyl-2-pen...		0.071	0.082	0.092	0.092	0.090	0.092	0.090	0.087#	9.31
63)	TP	Tetrachloroethene		0.202	0.264	0.299	0.298	0.297	0.294	0.293	0.278	12.90
65)	TP	trans-1,3-Dich...		0.343	0.348	0.395	0.389	0.385	0.392	0.385	0.377	5.80
67)	TP	Ethyl methacry...		0.242	0.266	0.319	0.310	0.307	0.310	0.302	0.293	9.73
68)	TP	1,1,2-Trichlor...		0.157	0.180	0.189	0.173	0.173	0.173	0.170	0.174	5.56
69)	TP	Chlorodibromom...		0.194	0.224	0.256	0.247	0.248	0.251	0.246	0.238	9.14
70)	TP	1,3-Dichloropr...		0.326	0.366	0.389	0.374	0.365	0.368	0.360	0.364	5.29
71)	TP	1,2-Dibromoethane		0.170	0.205	0.214	0.208	0.204	0.205	0.203	0.201	7.02
72)	TP	2-Hexanone		0.168	0.146	0.174	0.166	0.163	0.160	0.158	0.162	5.46
73)	TP	Chlorobenzene		0.612	0.681	0.765	0.743	0.726	0.726	0.693	0.706	7.14

Method Path : I:\VOLATILES\Elaine\2020\200421N\
Method File : Elaine_200421N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Wed Apr 22 18:53:41 2020
Response Via : Initial Calibration

Calibration Files
L11 =VE200421N08.D L1 =VE200421N10.D L2 =VE200421N12.D L3 =VE200421N13.D L4 =VE200421N14.D
L6 =VE200421N15.D L8 =VE200421N16.D L10 =VE200421N17.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
74)	TC	Ethylbenzene		0.931	1.178	1.318	1.304	1.266	1.249	1.166	1.202	11.03
75)	TP	1,1,1,2-Tetrac...		0.192	0.254	0.281	0.271	0.265	0.269	0.259	0.256	11.54
76)	TP	p/m Xylene		0.374	0.445	0.527	0.516	0.508	0.506	0.476	0.479	11.29
77)	TP	o Xylene		0.387	0.440	0.500	0.484	0.477	0.473	0.447	0.458	8.20
78)	TP	Styrene		0.603	0.720	0.835	0.816	0.789	0.770	0.688	0.746	10.90
79)	I	1,4-Dichlorobenzene-d4	----------ISTD----------									
80)	TP	Bromoform		0.224	0.277	0.309	0.296	0.300	0.297	0.279	0.283	10.05
82)	TP	Isopropylbenzene		1.931	2.243	2.634	2.577	2.493	2.421	2.142	2.349	10.83
83)	S	4-Bromofluorob...	0.956	0.971	0.976	0.960	0.967	0.961	0.963	0.916	0.959	1.90
84)	TP	Bromobenzene		0.505	0.574	0.630	0.599	0.582	0.584	0.548	0.574	6.87
85)	TP	n-Propylbenzene		2.152	2.535	2.982	2.915	2.801	2.721	2.361	2.638	11.49
86)	TP	1,4-Dichlorobu...		0.754	0.822	0.912	0.832	0.802	0.796	0.743	0.809	6.95
87)	TP	1,1,2,2-Tetrac...		0.448	0.454	0.490	0.463	0.452	0.451	0.435	0.456	3.78
88)	TP	4-Ethyltoluene		1.720	2.108	2.502	2.421	2.372	2.319	2.076	2.217	12.15
89)	TP	2-Chlorotoluene		1.566	1.816	2.030	1.957	1.893	1.896	1.734	1.842	8.37
90)	TP	1,3,5-Trimethy...		1.551	1.942	2.209	2.135	2.055	2.039	1.833	1.966	11.20
91)	TP	1,2,3-Trichlor...		0.376	0.414	0.410	0.393	0.379	0.376	0.362	0.387	4.98
92)	TP	trans-1,4-Dich...		0.153	0.163	0.157	0.154	0.156	0.155	0.149	0.155	2.85
93)	TP	4-Chlorotoluene		1.397	1.639	1.854	1.759	1.716	1.726	1.572	1.666	8.91
94)	TP	tert-Butylbenzene		1.409	1.960	2.164	2.108	2.042	2.027	1.833	1.935	13.18
95)	TP	Pentachloroethane		0.275	0.319	0.367	0.362	0.359	0.364	0.342	0.341	9.81
97)	TP	1,2,4-Trimethy...		1.432	1.906	2.199	2.103	2.036	2.029	1.823	1.933	13.08
98)	TP	sec-Butylbenzene		1.632	2.184	2.622	2.553	2.461	2.416	2.133	2.286	14.88
99)	TP	p-Isopropyltol...		1.631	2.002	2.425	2.333	2.269	2.222	1.965	2.121	12.89
100)	TP	1,3-Dichlorobe...		0.957	1.079	1.206	1.133	1.109	1.129	1.056	1.096	7.05
101)	TP	1,4-Dichlorobe...		0.970	1.103	1.194	1.128	1.107	1.122	1.056	1.097	6.33
102)	TP	p-Diethylbenzene		0.813	1.105	1.369	1.354	1.322	1.341	1.247	1.222	16.52
103)	TP	n-Butylbenzene		1.119	1.634	2.049	2.021	1.966	1.956	1.767	1.788	18.47
104)	TP	1,2-Dichlorobe...		0.973	0.995	1.135	1.051	1.026	1.037	0.981	1.029	5.38
105)	TP	1,2,4,5-Tetram...		1.503	1.856	2.206	2.068	2.047	2.043	1.856	1.940	11.80
106)	TP	1,2-Dibromo-3-...		0.076	0.076	0.078	0.078	0.080	0.082	0.083	0.079	3.48

Method Path : I:\VOLATILES\Elaine\2020\200421N\
Method File : Elaine_200421N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Wed Apr 22 18:53:41 2020
Response Via : Initial Calibration

Calibration Files
L11 =VE200421N08.D L1 =VE200421N10.D L2 =VE200421N12.D L3 =VE200421N13.D L4 =VE200421N14.D
L6 =VE200421N15.D L8 =VE200421N16.D L10 =VE200421N17.D

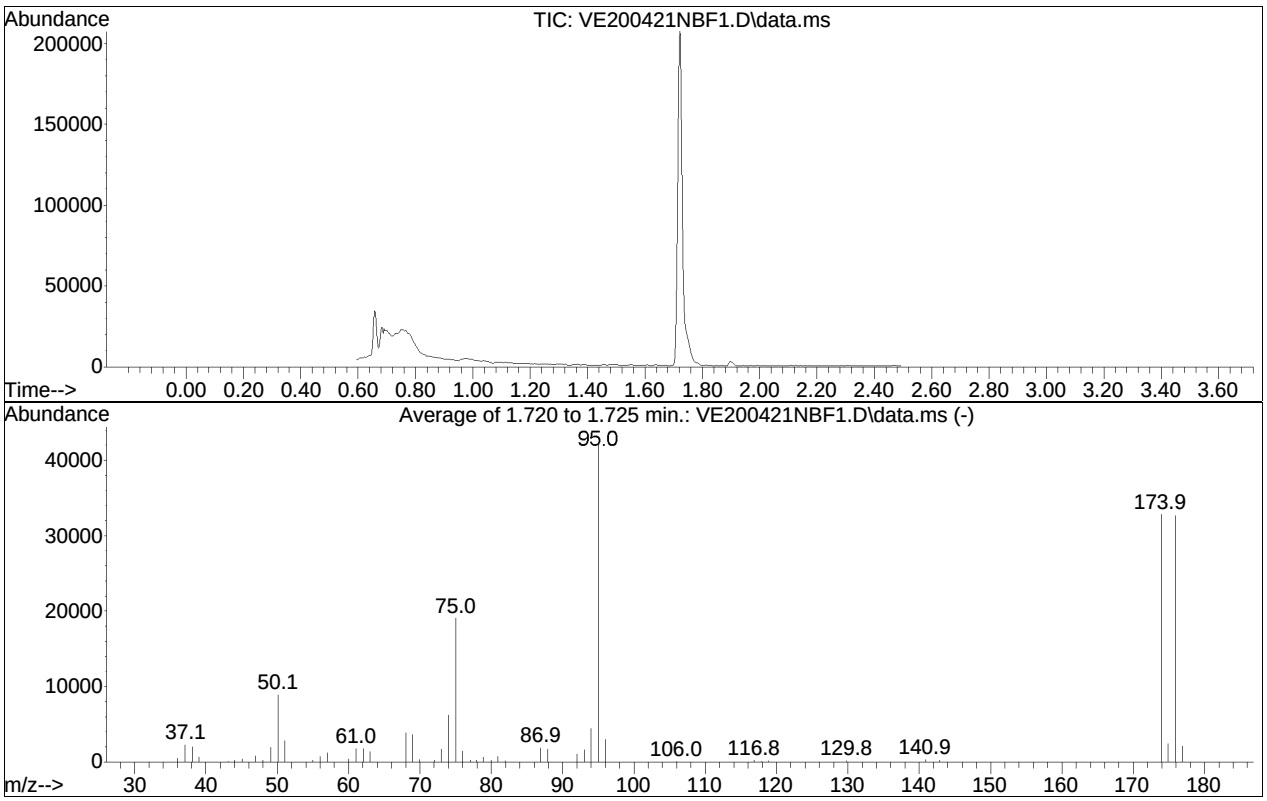
	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
107)	TP 1,3,5-Trichlor...	0.591	0.771	0.847	0.794	0.791	0.800	0.756	0.764	10.64	
108)	TP Hexachlorobuta...	0.192	0.237	0.317	0.297	0.288	0.299	0.281	0.273	15.91	
109)	TP 1,2,4-Trichlor...	0.641	0.645	0.764	0.727	0.732	0.748	0.711	0.710	6.85	
110)	TP Naphthalene	1.376	1.559	1.695	1.625	1.636	1.656	1.557	1.586	6.63	
111)	TP 1,2,3-Trichlor...	0.541	0.636	0.691	0.658	0.671	0.678	0.643	0.646	7.77	

(#) = Out of Range

Data Path : I:\VOLATILES\Elaine\2020\200421N\
Data File : VE200421NBF1.D
Acq On : 21 Apr 2020 2:06 pm
Operator : ELAINE:PD
Sample : WG1363751-1
Misc : WG1363751
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\VOLATILES\Elaine\2020\200421N\Elaine_200421N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Wed Apr 22 18:53:41 2020



AutoFind: Scans 406, 407, 408; Background Corrected with Scan 396

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.0	8908	PASS
75	95	30	60	45.0	19069	PASS
95	95	100	100	100.0	42331	PASS
96	95	5	9	7.2	3037	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	77.6	32869	PASS
175	174	5	9	7.4	2418	PASS
176	174	95	101	99.3	32653	PASS
177	176	5	9	6.4	2086	PASS

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2020\200421N\
Data File : VE200421N08.D
Acq On : 21 Apr 2020 4:55 pm
Operator : ELAINE:AD
Sample : I8260STDLL0.19PPB
Misc : WG1363751
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 23 07:20:20 2020
Quant Method : I:\VOLATILES\Elaine\2020\200421N\Elaine_200421N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 23 07:10:35 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2020\200421N\VE200421N13.D
Sub List : 8260-L11 - Level 11 for 8260-LRR product

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.492	96	262712	10.000 ug/L	0.00
Standard Area 1 = 258855			Recovery = 101.49%		
59) Chlorobenzene-d5	8.497	117	198190	10.000 ug/L	0.00
Standard Area 1 = 197747			Recovery = 100.22%		
79) 1,4-Dichlorobenzene-d4	9.988	152	99850	10.000 ug/L	0.00
Standard Area 1 = 100890			Recovery = 98.97%		
System Monitoring Compounds					
36) Dibromofluoromethane	4.505	113	62425	10.002 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.02%		
43) 1,2-Dichloroethane-d4	5.150	65	75413	10.194 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.94%		
60) Toluene-d8	7.198	98	266736	9.964 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.64%		
83) 4-Bromofluorobenzene	9.318	95	95411	9.968 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.68%		
Target Compounds					Qvalue
4) Vinyl chloride	1.113	62	1221	0.203 ug/L	86
34) Carbon tetrachloride	4.368	117	1285M1	0.199 ug/L	
41) Benzene	4.966	78	4580	0.220 ug/L #	76
48) Trichloroethene	5.681	95	1249M1	0.245 ug/L	

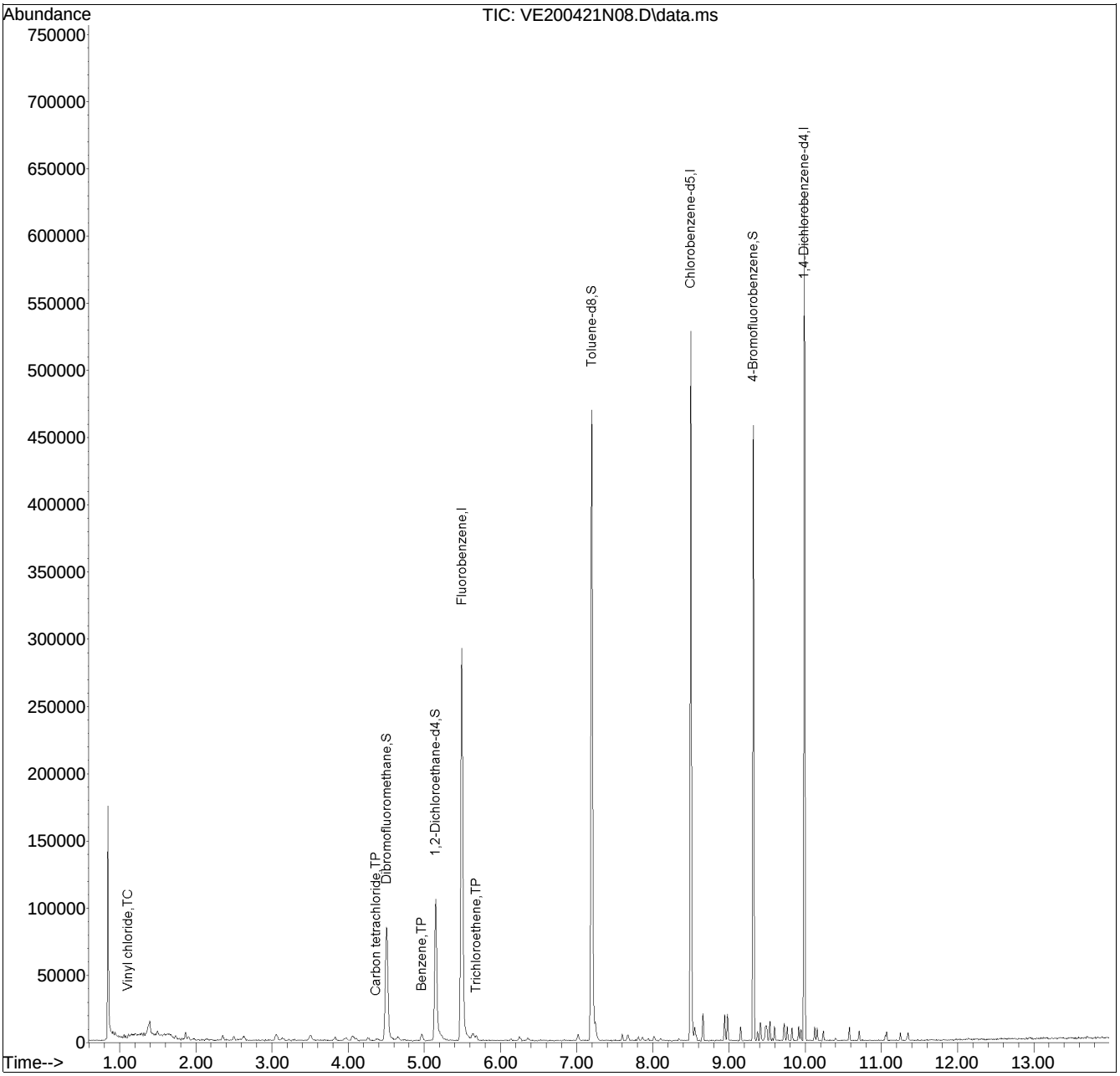
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2020\200421N\
Data File : VE200421N08.D
Acq On : 21 Apr 2020 4:55 pm
Operator : ELAINE:AD
Sample : I8260STDLL0.19PPB
Misc : WG1363751
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 23 07:20:20 2020
Quant Method : I:\VOLATILES\Elaine\2020\200421N\Elaine_200421N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 23 07:10:35 2020
Response via : Initial Calibration

Sub List : 8260-L11 - Level 11 for 8260-LRR product00421N13.D•

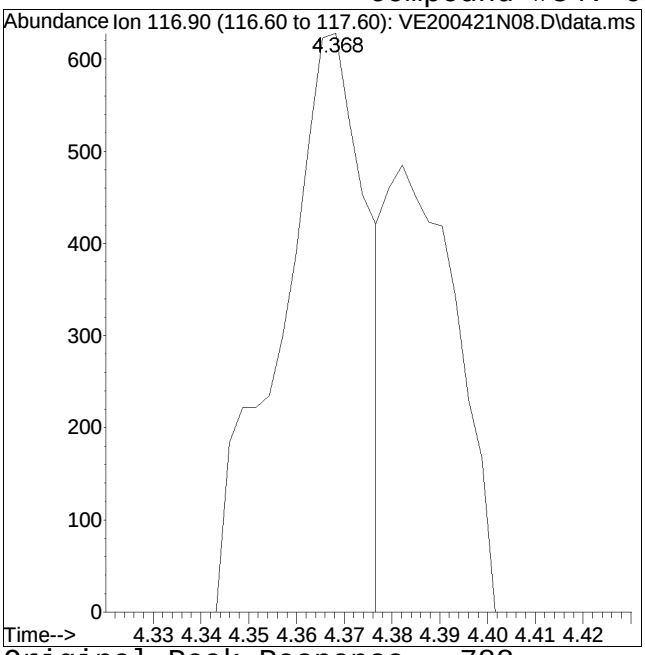


Manual Integration Report

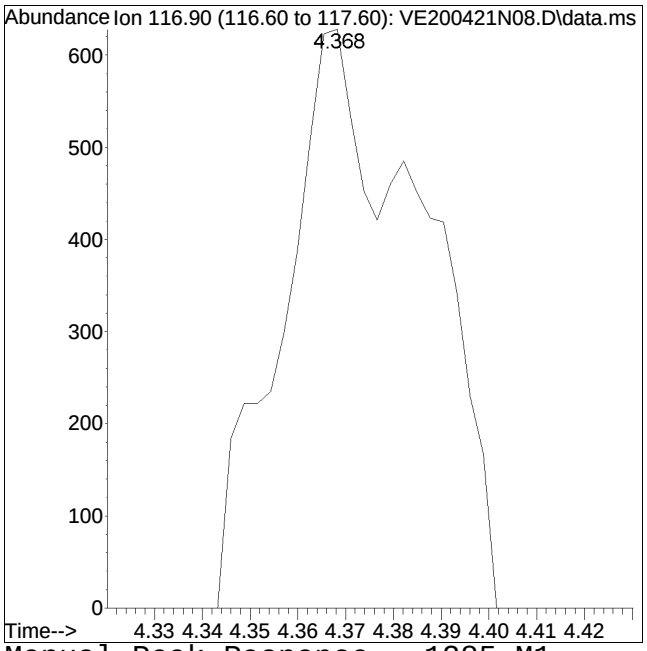
Data Path : I:\VOLATILES\Elaine\2020\2Q
Data File : VE200421N08.D
Date Inj'd : 4/21/2020 4:55 pm
Sample : I8260STDLL0.19PPB

Method : Elaine_200421N_8260.m
Operator : ELAINE:AD
Instrument : Elaine
Quant Date : 4/23/2020 7:20 am

Compound #34: Carbon tetrachloride



Original Peak Response = 788



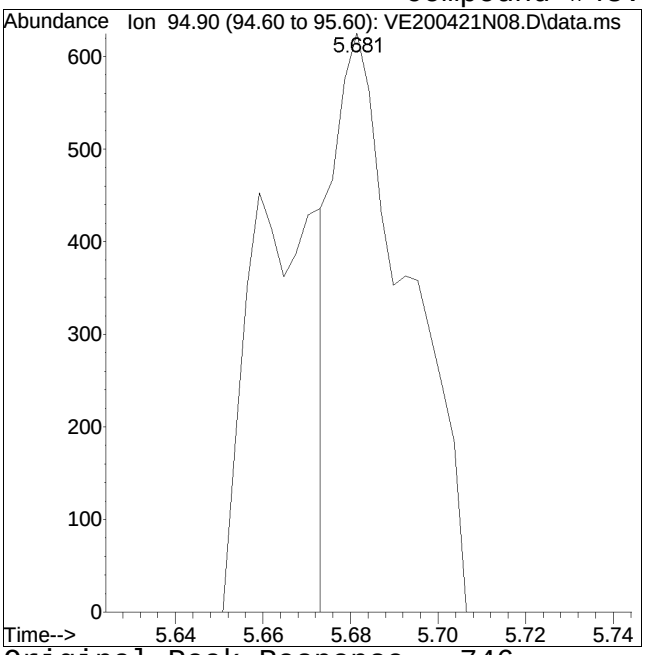
Manual Peak Response = 1285 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

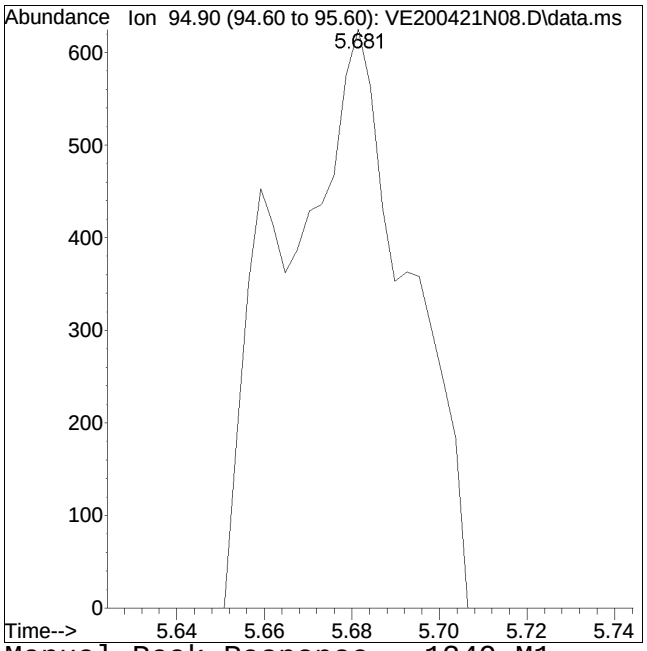
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N08.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 4:55 pm Instrument : Elaine
Sample : I8260STDLL0.19PPB Quant Date : 4/23/2020 7:20 am

Compound #48: Trichloroethene



Original Peak Response = 746



Manual Peak Response = 1249 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2020\200421N\
Data File : VE200421N10.D
Acq On : 21 Apr 2020 5:38 pm
Operator : ELAINE:AD
Sample : I8260STDLL0.5PPB
Misc : WG1363751
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 23 07:20:29 2020
Quant Method : I:\VOLATILES\Elaine\2020\200421N\Elaine_200421N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 23 07:10:35 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2020\200421N\VE200421N13.D
Sub List : 8260-CurvePenta - All compounds listed

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.492	96	269676	10.000 ug/L	0.00
Standard Area 1 = 258855			Recovery = 104.18%		
59) Chlorobenzene-d5	8.497	117	199145	10.000 ug/L	0.00
Standard Area 1 = 197747			Recovery = 100.71%		
79) 1,4-Dichlorobenzene-d4	9.988	152	100052	10.000 ug/L	0.00
Standard Area 1 = 100890			Recovery = 99.17%		
System Monitoring Compounds					
36) Dibromofluoromethane	4.505	113	64104	10.005 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.05%		
43) 1,2-Dichloroethane-d4	5.150	65	76025	10.012 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.12%		
60) Toluene-d8	7.198	98	266660	9.913 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.13%		
83) 4-Bromofluorobenzene	9.321	95	97143	10.128 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.28%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.941	85	1548	0.350 ug/L	96
3) Chloromethane	1.060	50	2364	0.352 ug/L	96
4) Vinyl chloride	1.113	62	2164	0.350 ug/L	97
5) Bromomethane	1.319	94	1314	0.394 ug/L	97
6) Chloroethane	1.402	64	1508	0.423 ug/L	73
7) Trichlorofluoromethane	1.497	101	2095	0.311 ug/L	92
8) Ethyl ether	1.734	74	1378	0.470 ug/L #	74
10) 1,1-Dichloroethene	1.861	96	1529	0.344 ug/L #	69
11) Carbon disulfide	1.867	76	3405	0.337 ug/L	98
12) Freon-113	1.909	101	1376	0.303 ug/L	82
13) Iodomethane	1.967	142	1456	0.257 ug/L	82
14) Acrolein	0.000		0	N.D. d	
15) Methylene chloride	2.354	84	2392	0.471 ug/L	86
17) Acetone	2.418	43	857	0.697 ug/L #	57
18) trans-1,2-Dichloroethene	2.499	96	1519	0.341 ug/L	87
19) Methyl acetate	2.549	43	2157	0.585 ug/L #	87
20) Methyl tert-butyl ether	2.627	73	6046	0.439 ug/L #	90
21) tert-Butyl alcohol	2.780	59	1005M1	2.277 ug/L	
22) Diisopropyl ether	3.055	45	8717	0.409 ug/L #	81
23) 1,1-Dichloroethane	3.141	63	3797	0.388 ug/L	92
24) Halothane	3.283	117	1050	0.251 ug/L #	79

Data Path : I:\VOLATILES\Elaine\2020\200421N\
Data File : VE200421N10.D
Acq On : 21 Apr 2020 5:38 pm
Operator : ELAINE:AD
Sample : I8260STDLL0.5PPB
Misc : WG1363751
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 23 07:20:29 2020
Quant Method : I:\VOLATILES\Elaine\2020\200421N\Elaine_200421N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 23 07:10:35 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2020\200421N\VE200421N13.D
Sub List : 8260-CurvePenta - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	3.216	53	672	0.405	ug/L	#	71
26) Ethyl tert-butyl ether	3.500	59	8096	0.433	ug/L	#	84
27) Vinyl acetate	3.520	43	5560	0.385	ug/L	#	90
28) cis-1,2-Dichloroethene	3.829	96	2046	0.365	ug/L	#	78
29) 2,2-Dichloropropane	3.962	77	2623	0.346	ug/L	#	92
30) Bromochloromethane	4.112	128	970	0.396	ug/L	#	35
31) Cyclohexane	4.059	56	3389	0.326	ug/L		94
32) Chloroform	4.265	83	3586	0.414	ug/L	#	90
33) Ethyl acetate	4.521	43	2143	0.458	ug/L	#	82
34) Carbon tetrachloride	4.379	117	2243	0.338	ug/L	#	75
35) Tetrahydrofuran	0.000		0	N.D.	d		
37) 1,1,1-Trichloroethane	4.477	97	2832	0.366	ug/L	#	60
39) 2-Butanone	0.000		0	N.D.	d		
40) 1,1-Dichloropropene	4.649	75	2145	0.317	ug/L	#	80
41) Benzene	4.964	78	8285	0.388	ug/L	#	89
42) tert-Amyl methyl ether	5.192	73	6631	0.445	ug/L		93
44) 1,2-Dichloroethane	5.234	62	2852	0.424	ug/L		78
47) Methyl cyclohexane	5.637	83	2919	0.328	ug/L		97
48) Trichloroethene	5.681	95	2018	0.386	ug/L		97
50) Dibromomethane	6.141	93	1107	0.416	ug/L		90
51) 1,2-Dichloropropane	6.255	63	2465	0.432	ug/L	#	89
53) 2-Chloroethyl vinyl ether	7.014	63	1393	0.436	ug/L	#	85
54) Bromodichloromethane	6.360	83	2649	0.409	ug/L	#	88
57) 1,4-Dioxane	6.588	88	3502	95.286	ug/L	#	88
58) cis-1,3-Dichloropropene	7.020	75	3269	0.388	ug/L		91
61) Toluene	7.248	92	5277	0.401	ug/L		96
62) 4-Methyl-2-pentanone	7.665	58	703	0.406	ug/L	#	36
63) Tetrachloroethene	7.598	166	2007	0.363	ug/L		82
65) trans-1,3-Dichloropropene	7.676	75	3414	0.455	ug/L		94
67) Ethyl methacrylate	7.863	69	2407	0.412	ug/L		89
68) 1,1,2-Trichloroethane	7.807	83	1565	0.453	ug/L		96
69) Chlorodibromomethane	7.938	129	1932	0.408	ug/L		90
70) 1,3-Dichloropropane	8.016	76	3246	0.448	ug/L		93
71) 1,2-Dibromoethane	8.096	107	1695	0.423	ug/L		98
72) 2-Hexanone	8.344	43	1670	0.517	ug/L	#	87
73) Chlorobenzene	8.508	112	6096	0.433	ug/L		88
74) Ethylbenzene	8.550	91	9273	0.387	ug/L		96
75) 1,1,1,2-Tetrachloroethane	8.569	131	1909	0.375	ug/L	#	66
76) p/m Xylene	8.656	106	7443	0.781	ug/L		96
77) o Xylene	8.942	106	7709	0.845	ug/L		76

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2020\200421N\
Data File : VE200421N10.D
Acq On : 21 Apr 2020 5:38 pm
Operator : ELAINE:AD
Sample : I8260STDLL0.5PPB
Misc : WG1363751
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 23 07:20:29 2020
Quant Method : I:\VOLATILES\Elaine\2020\200421N\Elaine_200421N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 23 07:10:35 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2020\200421N\VE200421N13.D
Sub List : 8260-CurvePenta - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
78) Styrene	8.978	104	12017	0.809	ug/L	#	85
80) Bromoform	8.984	173	1122	0.396	ug/L		89
82) Isopropylbenzene	9.154	105	9659	0.411	ug/L		93
84) Bromobenzene	9.374	156	2525	0.439	ug/L		99
85) n-Propylbenzene	9.410	91	10766	0.408	ug/L		97
86) 1,4-Dichlorobutane	9.418	55	3771	0.466	ug/L	#	84
87) 1,1,2,2-Tetrachloroethane	9.465	83	2243	0.491	ug/L		96
88) 4-Ethyltoluene	9.479	105	8606	0.388	ug/L		96
89) 2-Chlorotoluene	9.493	91	7835	0.425	ug/L		99
90) 1,3,5-Trimethylbenzene	9.535	105	7761	0.394	ug/L		95
91) 1,2,3-Trichloropropane	9.535	75	1880	0.485	ug/L		94
92) trans-1,4-Dichloro-2-b...	9.568	53	763	0.491	ug/L	#	70
93) 4-Chlorotoluene	9.596	91	6987M3	0.419	ug/L		
94) tert-Butylbenzene	9.721	119	7049	0.364	ug/L		97
95) Pentachloroethane	9.732	167	1377	0.404	ug/L		94
97) 1,2,4-Trimethylbenzene	9.763	105	7164	0.371	ug/L	#	72
98) sec-Butylbenzene	9.827	105	8163	0.357	ug/L		99
99) p-Isopropyltoluene	9.916	119	8159	0.384	ug/L		94
100) 1,3-Dichlorobenzene	9.944	146	4789	0.437	ug/L		94
101) 1,4-Dichlorobenzene	9.997	146	4852	0.442	ug/L	#	83
102) p-Diethylbenzene	10.125	119	4069	0.333	ug/L		94
103) n-Butylbenzene	10.158	91	5599	0.313	ug/L	#	83
104) 1,2-Dichlorobenzene	10.239	146	4870	0.473	ug/L		88
105) 1,2,4,5-Tetramethylben...	10.581	119	7517	0.387	ug/L		98
106) 1,2-Dibromo-3-chloropr...	10.695	155	379	0.481	ug/L		97
107) 1,3,5-Trichlorobenzene	10.709	180	2959	0.387	ug/L		84
108) Hexachlorobutadiene	11.054	225	961	0.352	ug/L	#	77
109) 1,2,4-Trichlorobenzene	11.068	180	3206	0.452	ug/L	#	87
110) Naphthalene	11.249	128	6883	0.434	ug/L		100
111) 1,2,3-Trichlorobenzene	11.349	180	2704	0.419	ug/L		92

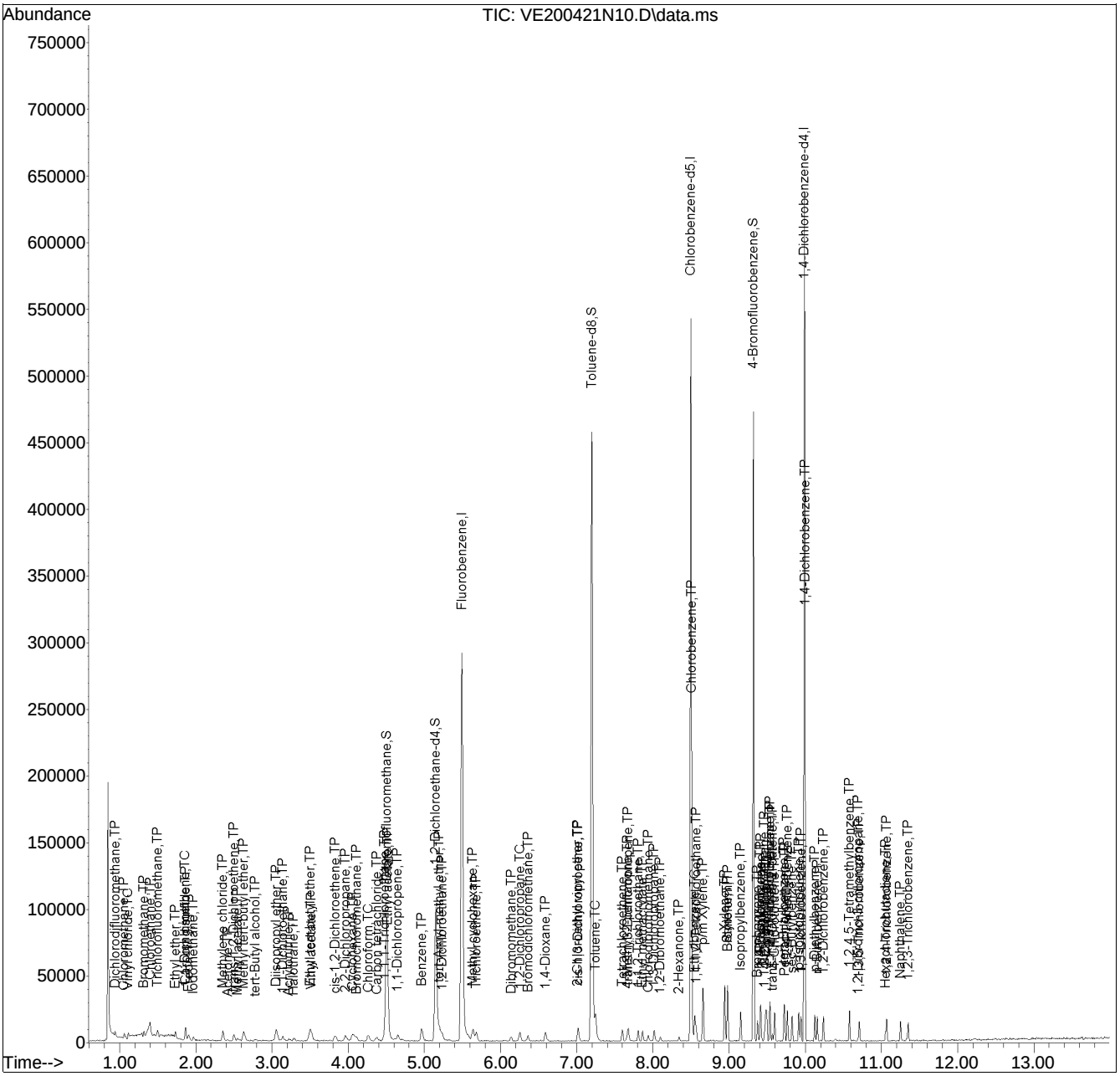
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2020\200421N\
Data File : VE200421N10.D
Acq On : 21 Apr 2020 5:38 pm
Operator : ELAINE:AD
Sample : I8260STDLL0.5PPB
Misc : WG1363751
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 23 07:20:29 2020
Quant Method : I:\VOLATILES\Elaine\2020\200421N\Elaine_200421N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 23 07:10:35 2020
Response via : Initial Calibration

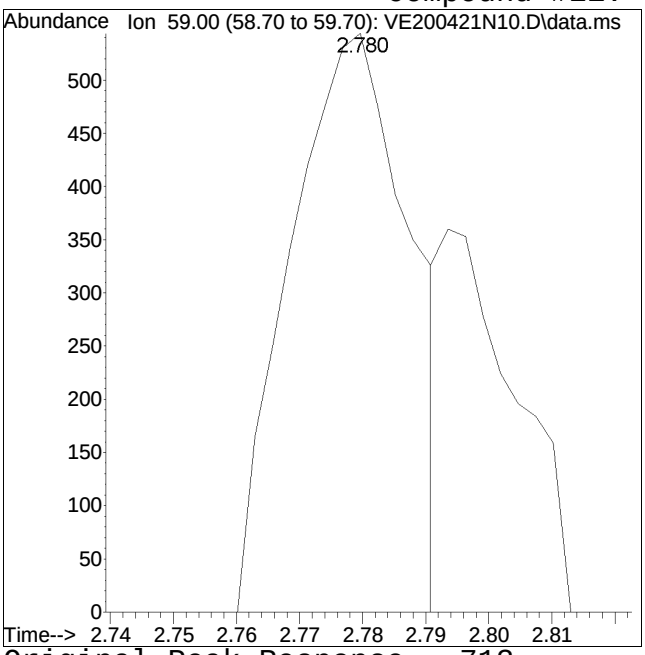
Sub List : 8260-CurvePenta - All compounds listedE200421N13.D•



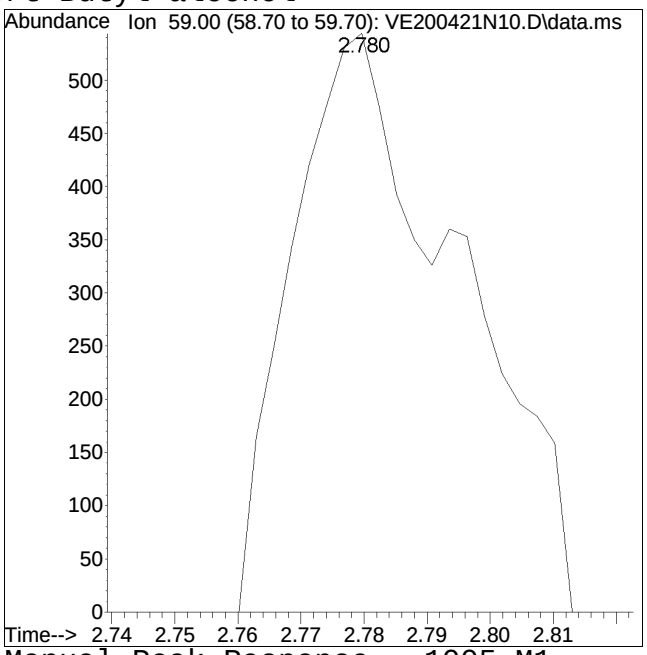
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N10.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 5:38 pm Instrument : Elaine
Sample : I8260STDLL0.5PPB Quant Date : 4/23/2020 7:20 am

Compound #21: tert-Butyl alcohol



Original Peak Response = 713



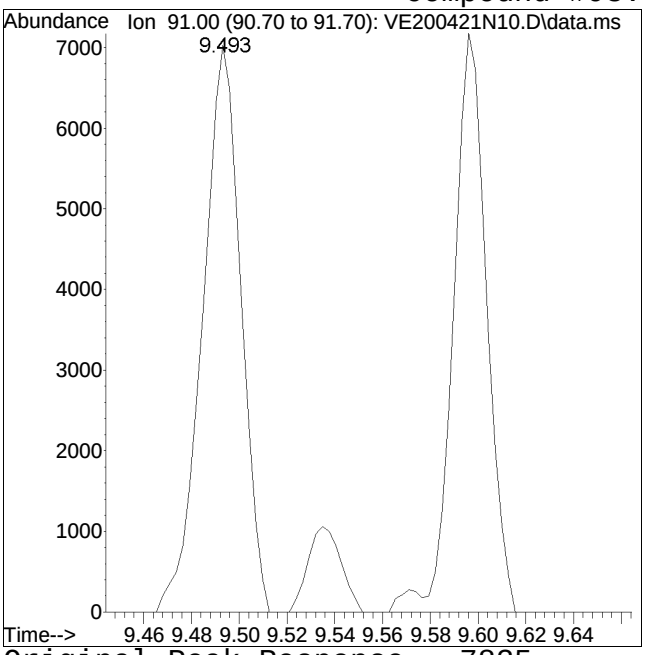
Manual Peak Response = 1005 M1

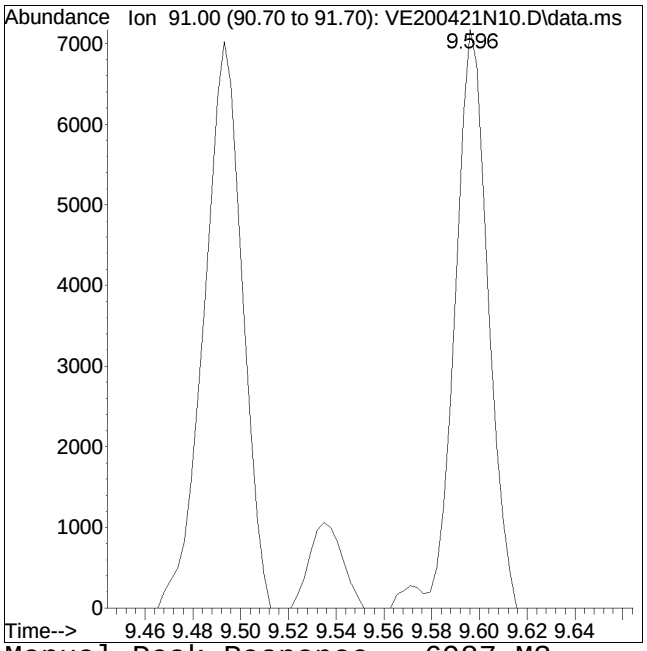
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N10.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 5:38 pm Instrument : Elaine
Sample : I8260STDLL0.5PPB Quant Date : 4/23/2020 7:20 am

Compound #93: 4-Chlorotoluene





Original Peak Response = 7835 Manual Peak Response = 6987 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2020\200421N\
Data File : VE200421N12.D
Acq On : 21 Apr 2020 6:21 pm
Operator : ELAINE:AD
Sample : I8260STDLL2PPB
Misc : WG1363751
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 23 07:20:38 2020
Quant Method : I:\VOLATILES\Elaine\2020\200421N\Elaine_200421N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 23 07:10:35 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2020\200421N\VE200421N13.D
Sub List : 8260-CurvePenta - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.492	96	260922	10.000	ug/L	0.00
Standard Area 1 = 258855			Recovery = 100.80%			
59) Chlorobenzene-d5	8.497	117	195935	10.000	ug/L	0.00
Standard Area 1 = 197747			Recovery = 99.08%			
79) 1,4-Dichlorobenzene-d4	9.989	152	97826	10.000	ug/L	0.00
Standard Area 1 = 100890			Recovery = 96.96%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.505	113	60304	9.728	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.28%			
43) 1,2-Dichloroethane-d4	5.150	65	74873	10.191	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.91%			
60) Toluene-d8	7.198	98	262995	9.937	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.37%			
83) 4-Bromofluorobenzene	9.318	95	95454	10.179	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.79%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.938	85	7583	1.773	ug/L	94
3) Chloromethane	1.060	50	13201M1	2.029	ug/L	
4) Vinyl chloride	1.113	62	11362	1.898	ug/L	94
5) Bromomethane	1.319	94	6545	2.031	ug/L	98
6) Chloroethane	1.403	64	6663	1.932	ug/L	95
7) Trichlorofluoromethane	1.500	101	11811M1	1.812	ug/L	
8) Ethyl ether	1.736	74	5645	1.990	ug/L	85
10) 1,1-Dichloroethene	1.867	96	7711	1.791	ug/L #	71
11) Carbon disulfide	1.870	76	17505M1	1.789	ug/L	
12) Freon-113	1.909	101	7572	1.723	ug/L	95
13) Iodomethane	1.967	142	7330	1.338	ug/L	85
14) Acrolein	2.151	56	1127	1.618	ug/L #	64
15) Methylene chloride	2.357	84	9923	2.019	ug/L	84
17) Acetone	2.421	43	2691	2.263	ug/L	100
18) trans-1,2-Dichloroethene	2.499	96	7885	1.829	ug/L	85
19) Methyl acetate	2.549	43	7673	2.150	ug/L	97
20) Methyl tert-butyl ether	2.629	73	26069	1.957	ug/L	96
21) tert-Butyl alcohol	2.785	59	3933	9.210	ug/L #	58
22) Diisopropyl ether	3.058	45	41310	2.002	ug/L #	95
23) 1,1-Dichloroethane	3.141	63	17649	1.863	ug/L	99
24) Halothane	3.289	117	7217	1.782	ug/L #	79

Data Path : I:\VOLATILES\Elaine\2020\200421N\
Data File : VE200421N12.D
Acq On : 21 Apr 2020 6:21 pm
Operator : ELAINE:AD
Sample : I8260STDLL2PPB
Misc : WG1363751
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 23 07:20:38 2020
Quant Method : I:\VOLATILES\Elaine\2020\200421N\Elaine_200421N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 23 07:10:35 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2020\200421N\VE200421N13.D
Sub List : 8260-CurvePenta - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	3.222	53	3201	1.995	ug/L		93
26) Ethyl tert-butyl ether	3.500	59	35690	1.974	ug/L		92
27) Vinyl acetate	3.517	43	26610M1	1.905	ug/L		
28) cis-1,2-Dichloroethene	3.831	96	10301M1	1.898	ug/L		
29) 2,2-Dichloropropane	3.965	77	13882	1.891	ug/L	#	81
30) Bromochloromethane	4.104	128	4353	1.838	ug/L	#	76
31) Cyclohexane	4.062	56	17218	1.714	ug/L		80
32) Chloroform	4.268	83	16950M1	2.023	ug/L		
33) Ethyl acetate	4.513	43	9191	2.031	ug/L	#	84
34) Carbon tetrachloride	4.377	117	11482	1.790	ug/L	#	62
35) Tetrahydrofuran	4.466	42	2465	1.922	ug/L	#	88
37) 1,1,1-Trichloroethane	4.482	97	13779	1.840	ug/L	#	96
39) 2-Butanone	4.708	43	4324	2.198	ug/L		100
40) 1,1-Dichloropropene	4.655	75	12639	1.928	ug/L		96
41) Benzene	4.969	78	38327	1.857	ug/L		93
42) tert-Amyl methyl ether	5.192	73	27679	1.918	ug/L		95
44) 1,2-Dichloroethane	5.236	62	12385	1.905	ug/L		91
47) Methyl cyclohexane	5.640	83	13849	1.607	ug/L		90
48) Trichloroethene	5.684	95	8769	1.734	ug/L		92
50) Dibromomethane	6.138	93	5090	1.978	ug/L		91
51) 1,2-Dichloropropane	6.252	63	10410	1.886	ug/L	#	92
53) 2-Chloroethyl vinyl ether	7.011	63	5909	1.911	ug/L		87
54) Bromodichloromethane	6.360	83	11779	1.879	ug/L	#	96
57) 1,4-Dioxane	6.589	88	13854	389.602	ug/L	#	82
58) cis-1,3-Dichloropropene	7.023	75	15618	1.917	ug/L		98
61) Toluene	7.245	92	24531	1.893	ug/L		97
62) 4-Methyl-2-pentanone	7.663	58	3201	1.879	ug/L	#	54
63) Tetrachloroethene	7.599	166	10334	1.897	ug/L		85
65) trans-1,3-Dichloropropene	7.676	75	13620	1.845	ug/L		92
67) Ethyl methacrylate	7.866	69	10406	1.810	ug/L		96
68) 1,1,2-Trichloroethane	7.807	83	7064	2.077	ug/L		93
69) Chlorodibromomethane	7.938	129	8788	1.885	ug/L		93
70) 1,3-Dichloropropane	8.019	76	14344	2.010	ug/L		99
71) 1,2-Dibromoethane	8.097	107	8041	2.039	ug/L		99
72) 2-Hexanone	8.341	43	5732	1.803	ug/L		94
73) Chlorobenzene	8.508	112	26670	1.927	ug/L		97
74) Ethylbenzene	8.550	91	46178	1.961	ug/L		100
75) 1,1,1,2-Tetrachloroethane	8.567	131	9971	1.990	ug/L		94
76) p/m Xylene	8.656	106	34857	3.715	ug/L		97
77) o Xylene	8.942	106	34516	3.844	ug/L		89

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2020\200421N\
Data File : VE200421N12.D
Acq On : 21 Apr 2020 6:21 pm
Operator : ELAINE:AD
Sample : I8260STDLL2PPB
Misc : WG1363751
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 23 07:20:38 2020
Quant Method : I:\VOLATILES\Elaine\2020\200421N\Elaine_200421N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 23 07:10:35 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2020\200421N\VE200421N13.D
Sub List : 8260-CurvePenta - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
78) Styrene	8.979	104	56400	3.859	ug/L		88
80) Bromoform	8.984	173	5418	1.955	ug/L		97
82) Isopropylbenzene	9.151	105	43891	1.910	ug/L		95
84) Bromobenzene	9.374	156	11224	1.997	ug/L		99
85) n-Propylbenzene	9.410	91	49595	1.922	ug/L		93
86) 1,4-Dichlorobutane	9.418	55	16079	2.032	ug/L	#	87
87) 1,1,2,2-Tetrachloroethane	9.465	83	8886	1.991	ug/L		96
88) 4-Ethyltoluene	9.479	105	41248	1.902	ug/L		91
89) 2-Chlorotoluene	9.493	91	35539	1.972	ug/L		90
90) 1,3,5-Trimethylbenzene	9.535	105	37986	1.975	ug/L		90
91) 1,2,3-Trichloropropane	9.535	75	8108	2.140	ug/L		98
92) trans-1,4-Dichloro-2-b...	9.568	53	3189	2.099	ug/L		91
93) 4-Chlorotoluene	9.596	91	32073	1.968	ug/L		97
94) tert-Butylbenzene	9.721	119	38353	2.026	ug/L		88
95) Pentachloroethane	9.730	167	6248	1.873	ug/L		96
97) 1,2,4-Trimethylbenzene	9.763	105	37290	1.972	ug/L		89
98) sec-Butylbenzene	9.827	105	42729	1.911	ug/L		96
99) p-Isopropyltoluene	9.913	119	39176	1.888	ug/L		94
100) 1,3-Dichlorobenzene	9.944	146	21107	1.969	ug/L		98
101) 1,4-Dichlorobenzene	9.997	146	21576	2.010	ug/L		97
102) p-Diethylbenzene	10.125	119	21626	1.810	ug/L		94
103) n-Butylbenzene	10.155	91	31979	1.829	ug/L		93
104) 1,2-Dichlorobenzene	10.239	146	19476	1.936	ug/L		97
105) 1,2,4,5-Tetramethylben...	10.578	119	36315	1.914	ug/L		95
106) 1,2-Dibromo-3-chloropr...	10.695	155	1491	1.933	ug/L		85
107) 1,3,5-Trichlorobenzene	10.706	180	15088	2.018	ug/L		91
108) Hexachlorobutadiene	11.051	225	4640	1.737	ug/L		92
109) 1,2,4-Trichlorobenzene	11.068	180	12615	1.817	ug/L		95
110) Naphthalene	11.249	128	30504	1.966	ug/L		100
111) 1,2,3-Trichlorobenzene	11.349	180	12451	1.971	ug/L		98

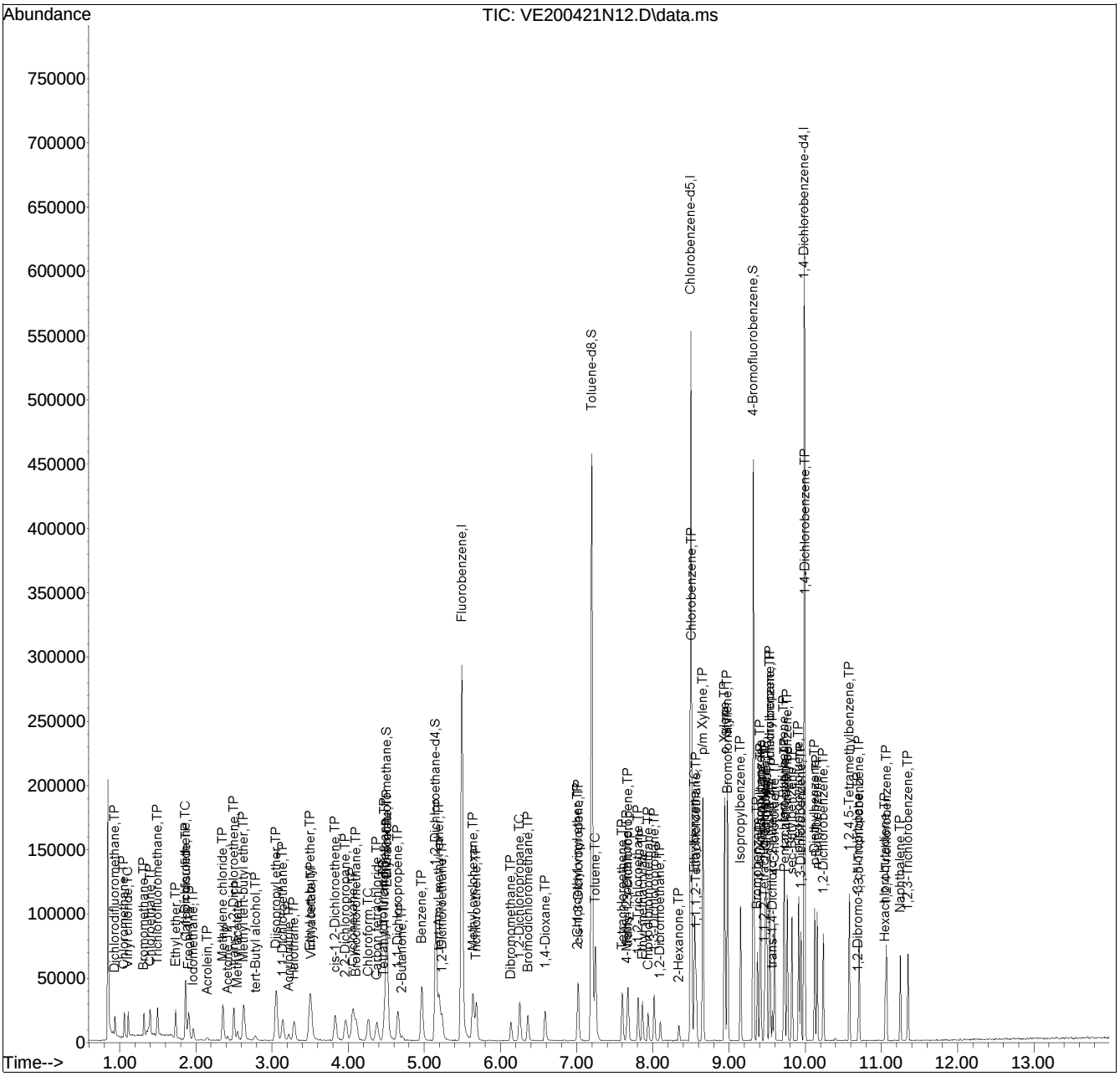
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2020\200421N\
Data File : VE200421N12.D
Acq On : 21 Apr 2020 6:21 pm
Operator : ELAINE:AD
Sample : I8260STDLL2PPB
Misc : WG1363751
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 23 07:20:38 2020
Quant Method : I:\VOLATILES\Elaine\2020\200421N\Elaine_200421N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 23 07:10:35 2020
Response via : Initial Calibration

Sub List : 8260-CurvePenta - All compounds listedE200421N13.D•

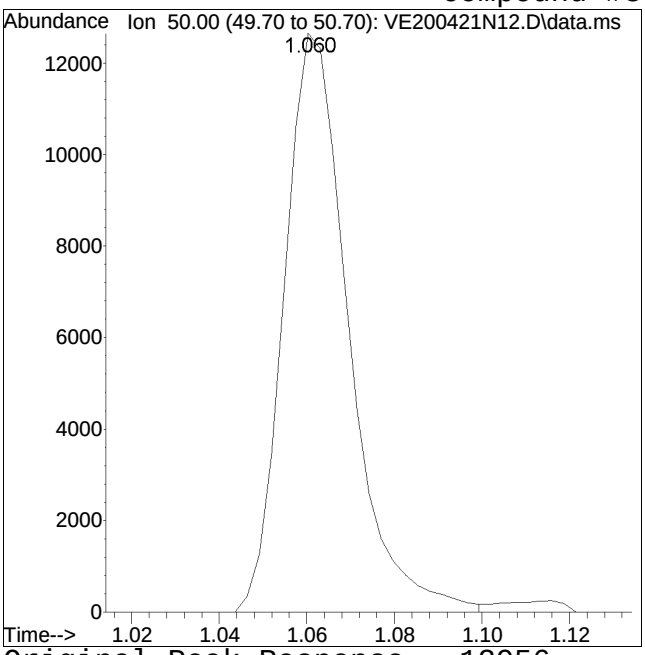


Manual Integration Report

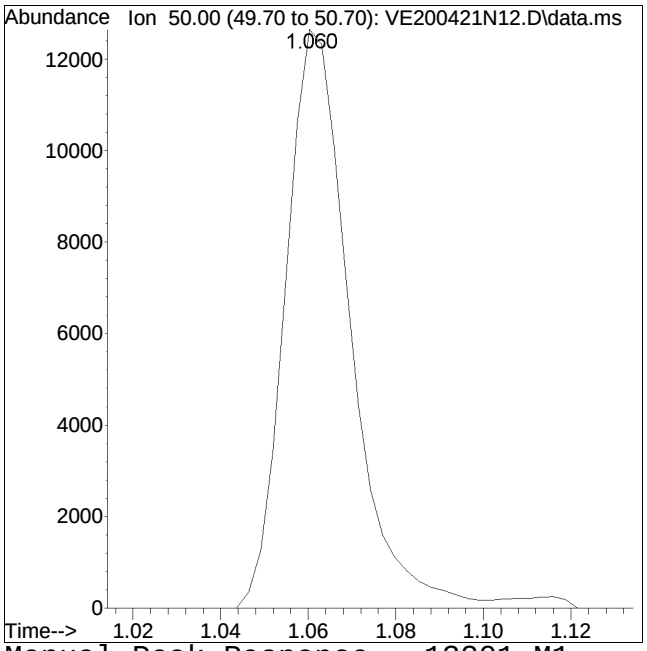
Data Path : I:\VOLATILES\Elaine\2020\2Q
Data File : VE200421N12.D
Date Inj'd : 4/21/2020 6:21 pm
Sample : I8260STDLL2PPB

Method : Elaine_200421N_8260.m
Operator : ELAINE:AD
Instrument : Elaine
Quant Date : 4/23/2020 7:20 am

Compound #3: Chloromethane



Original Peak Response = 12956



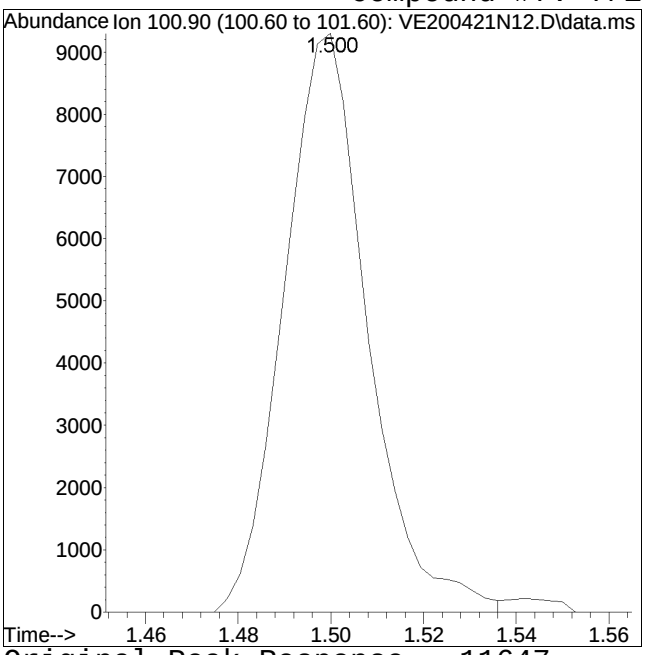
Manual Peak Response = 13201 M1

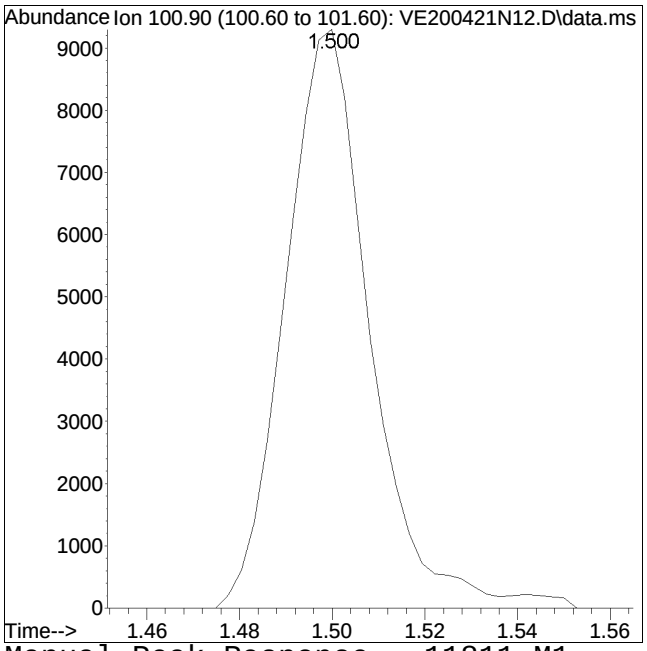
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N12.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 6:21 pm Instrument : Elaine
Sample : I8260STDLL2PPB Quant Date : 4/23/2020 7:20 am

Compound #7: Trichlorofluoromethane



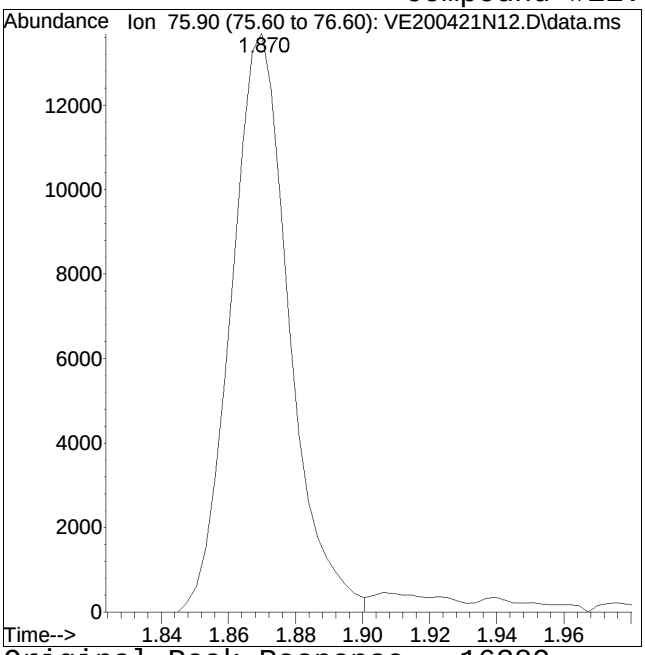


Original Peak Response = 11647 Manual Peak Response = 11811 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

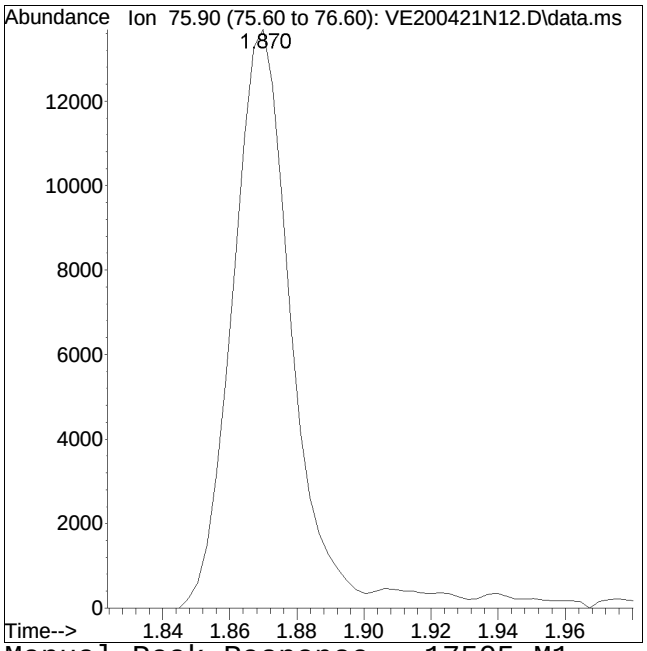
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N12.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 6:21 pm Instrument : Elaine
Sample : I8260STDLL2PPB Quant Date : 4/23/2020 7:20 am

Compound #11: Carbon disulfide



Original Peak Response = 16389



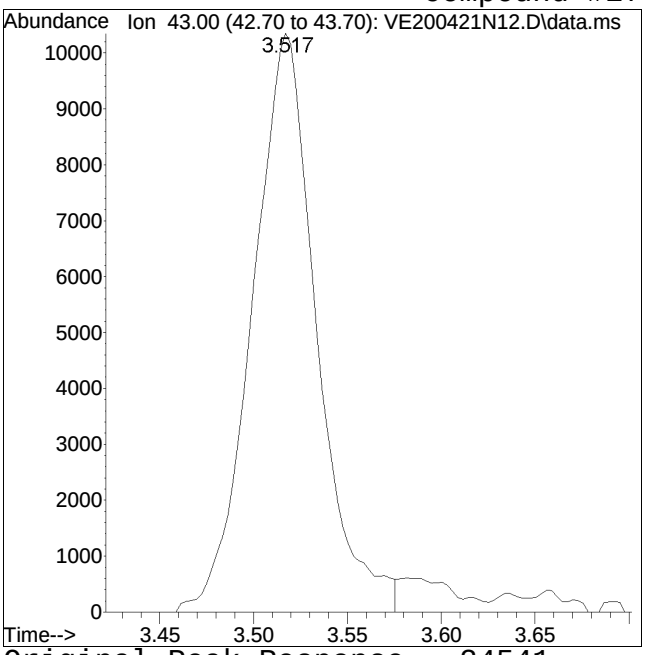
Manual Peak Response = 17505 M1

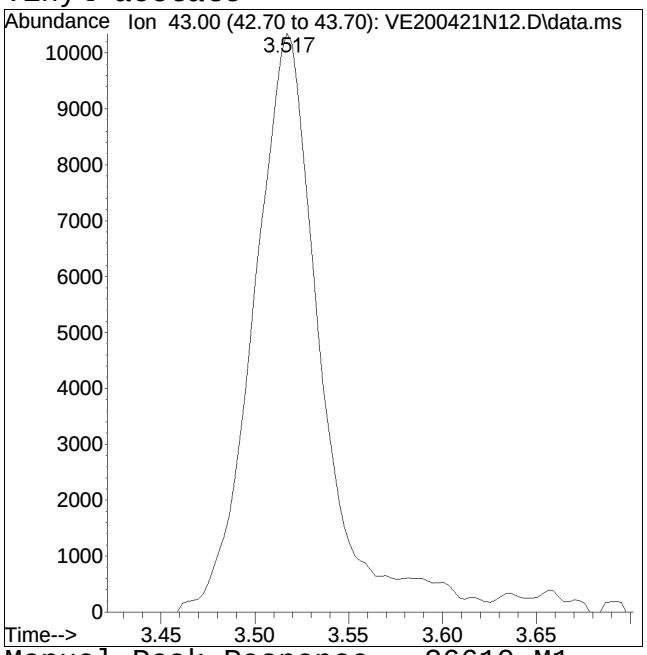
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N12.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 6:21 pm Instrument : Elaine
Sample : I8260STDLL2PPB Quant Date : 4/23/2020 7:20 am

Compound #27: Vinyl acetate



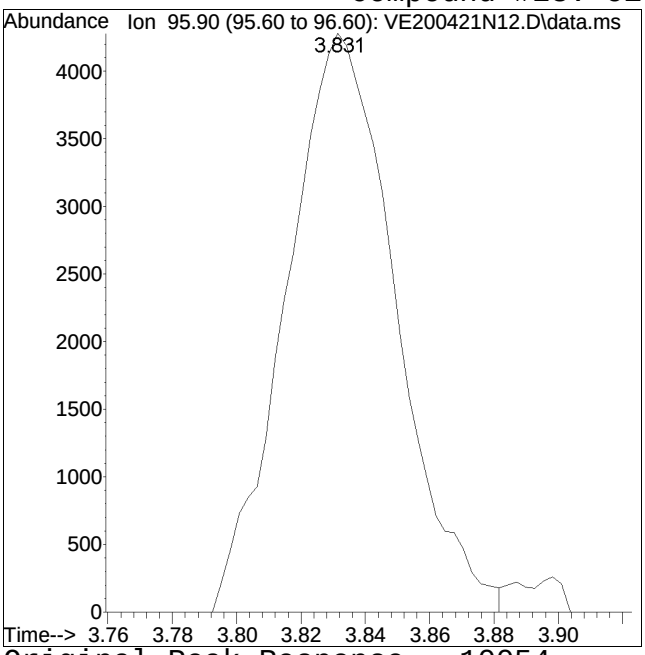


Original Peak Response = 24541 Manual Peak Response = 26610 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

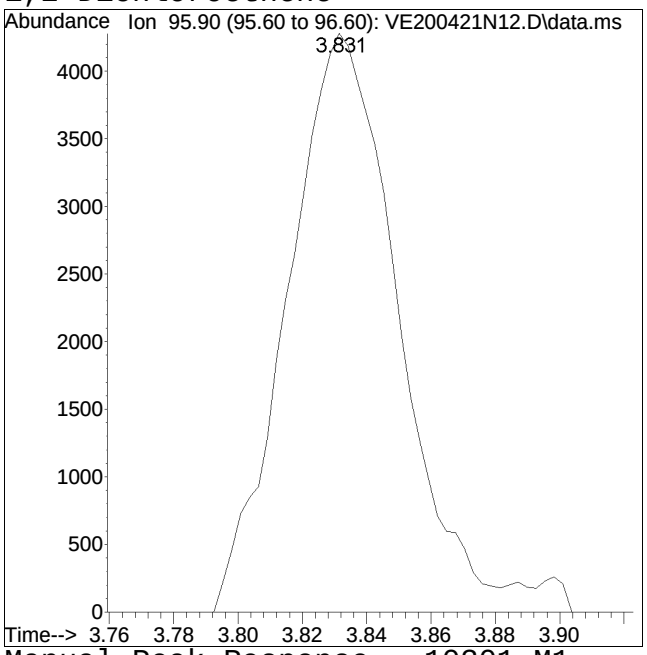
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N12.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 6:21 pm Instrument : Elaine
Sample : I8260STDLL2PPB Quant Date : 4/23/2020 7:20 am

Compound #28: cis-1,2-Dichloroethene



Original Peak Response = 10054



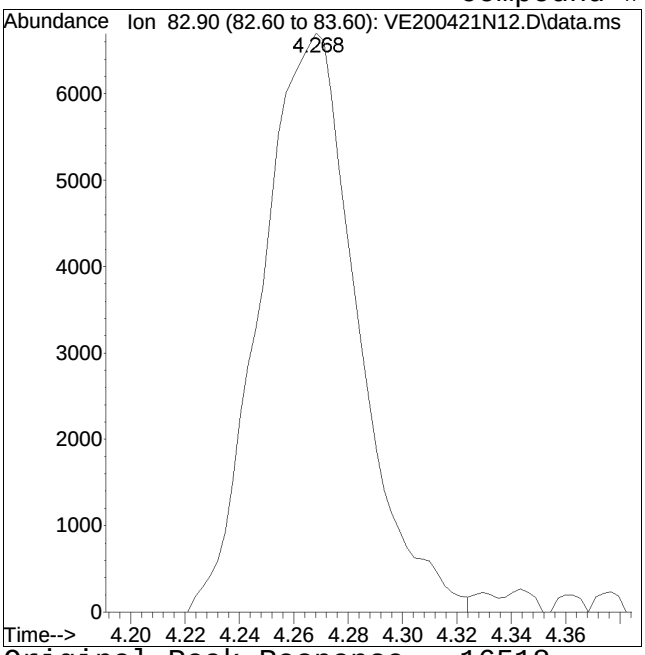
Manual Peak Response = 10301 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

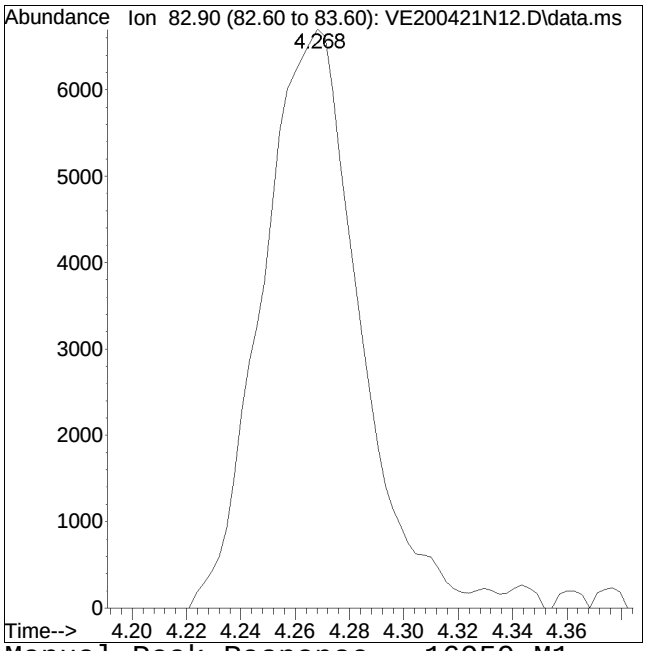
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N12.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 6:21 pm Instrument : Elaine
Sample : I8260STDLL2PPB Quant Date : 4/23/2020 7:20 am

Compound #32: Chloroform



Original Peak Response = 16518



Manual Peak Response = 16950 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2020\200421N\
Data File : VE200421N13.D
Acq On : 21 Apr 2020 6:43 pm
Operator : ELAINE:AD
Sample : I8260STDLL10PPB
Misc : WG1363751
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 23 07:20:49 2020
Quant Method : I:\VOLATILES\Elaine\2020\200421N\Elaine_200421N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 23 07:10:35 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2020\200421N\VE200421N13.D
Sub List : 8260-CurvePenta - All compounds listed

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.492	96	258855	10.000 ug/L	0.00
Standard Area 1 = 258855			Recovery = 100.00%		
59) Chlorobenzene-d5	8.497	117	197747	10.000 ug/L	0.00
Standard Area 1 = 197747			Recovery = 100.00%		
79) 1,4-Dichlorobenzene-d4	9.988	152	100890	10.000 ug/L	0.00
Standard Area 1 = 100890			Recovery = 100.00%		
System Monitoring Compounds					
36) Dibromofluoromethane	4.510	113	61861	10.059 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.59%		
43) 1,2-Dichloroethane-d4	5.153	65	72174	9.902 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.02%		
60) Toluene-d8	7.198	98	263017	9.847 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.47%		
83) 4-Bromofluorobenzene	9.318	95	96877	10.017 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.17%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.941	85	48941M1	11.533 ug/L	
3) Chloromethane	1.063	50	73389M1	11.372 ug/L	
4) Vinyl chloride	1.113	62	64319	10.832 ug/L	96
5) Bromomethane	1.322	94	34533M1	10.800 ug/L	
6) Chloroethane	1.402	64	39423M1	11.520 ug/L	
7) Trichlorofluoromethane	1.497	101	71703	11.090 ug/L	97
8) Ethyl ether	1.736	74	31116M1	11.056 ug/L	
10) 1,1-Dichloroethene	1.867	96	48131M1	11.270 ug/L	
11) Carbon disulfide	1.870	76	112728M1	11.613 ug/L	
12) Freon-113	1.909	101	50029M1	11.474 ug/L	
13) Iodomethane	1.967	142	53345M1	9.815 ug/L	
14) Acrolein	2.151	56	8011M1	11.591 ug/L	
15) Methylene chloride	2.357	84	53573M1	10.987 ug/L	
17) Acetone	2.415	43	13171	11.166 ug/L	97
18) trans-1,2-Dichloroethene	2.501	96	48243M1	11.279 ug/L	
19) Methyl acetate	2.546	43	36762	10.385 ug/L	99
20) Methyl tert-butyl ether	2.627	73	150032M1	11.351 ug/L	
21) tert-Butyl alcohol	2.777	59	23664M1	55.858 ug/L	
22) Diisopropyl ether	3.052	45	225574	11.017 ug/L	98
23) 1,1-Dichloroethane	3.141	63	104937	11.167 ug/L	98
24) Halothane	3.289	117	42762M1	10.645 ug/L	

Data Path : I:\VOLATILES\Elaine\2020\200421N\
Data File : VE200421N13.D
Acq On : 21 Apr 2020 6:43 pm
Operator : ELAINE:AD
Sample : I8260STDLL10PPB
Misc : WG1363751
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 23 07:20:49 2020
Quant Method : I:\VOLATILES\Elaine\2020\200421N\Elaine_200421N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 23 07:10:35 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2020\200421N\VE200421N13.D
Sub List : 8260-CurvePenta - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	3.219	53	17565	11.037	ug/L		96
26) Ethyl tert-butyl ether	3.497	59	197217	10.996	ug/L		88
27) Vinyl acetate	3.514	43	157603M1	11.374	ug/L		
28) cis-1,2-Dichloroethene	3.831	96	59220M1	10.999	ug/L		
29) 2,2-Dichloropropane	3.973	77	80894M1	11.109	ug/L		
30) Bromochloromethane	4.107	128	26702M1	11.367	ug/L		
31) Cyclohexane	4.065	56	110022	11.039	ug/L		83
32) Chloroform	4.265	83	90338M1	10.869	ug/L		
33) Ethyl acetate	4.510	43	48288M1	10.757	ug/L		
34) Carbon tetrachloride	4.379	117	69456	10.913	ug/L		98
35) Tetrahydrofuran	4.452	42	13574	10.668	ug/L	#	78
37) 1,1,1-Trichloroethane	4.480	97	83606M1	11.254	ug/L		
39) 2-Butanone	4.705	43	20242	10.374	ug/L	#	79
40) 1,1-Dichloropropene	4.655	75	71860M1	11.051	ug/L		
41) Benzene	4.969	78	223006M1	10.890	ug/L		
42) tert-Amyl methyl ether	5.189	73	160456M1	11.208	ug/L		
44) 1,2-Dichloroethane	5.231	62	73107M1	11.335	ug/L		
47) Methyl cyclohexane	5.640	83	96825M1	11.324	ug/L		
48) Trichloroethene	5.684	95	51231	10.212	ug/L		88
50) Dibromomethane	6.138	93	28789M1	11.276	ug/L		
51) 1,2-Dichloropropane	6.252	63	61430M1	11.217	ug/L		
53) 2-Chloroethyl vinyl ether	7.011	63	33770	11.008	ug/L		98
54) Bromodichloromethane	6.358	83	67529	10.855	ug/L		98
57) 1,4-Dioxane	6.583	88	19927	564.862	ug/L	#	83
58) cis-1,3-Dichloropropene	7.020	75	90573	11.207	ug/L		99
61) Toluene	7.245	92	139268	10.651	ug/L		96
62) 4-Methyl-2-pentanone	7.662	58	18254	10.616	ug/L	#	82
63) Tetrachloroethene	7.598	166	59031	10.737	ug/L		87
65) trans-1,3-Dichloropropene	7.676	75	78198	10.498	ug/L		95
67) Ethyl methacrylate	7.863	69	63142	10.881	ug/L		98
68) 1,1,2-Trichloroethane	7.807	83	37330	10.877	ug/L		94
69) Chlorodibromomethane	7.938	129	50553	10.744	ug/L		94
70) 1,3-Dichloropropane	8.019	76	76972	10.690	ug/L		97
71) 1,2-Dibromoethane	8.096	107	42242	10.613	ug/L		96
72) 2-Hexanone	8.341	43	34483	10.748	ug/L		98
73) Chlorobenzene	8.508	112	151264	10.828	ug/L		91
74) Ethylbenzene	8.550	91	260650	10.968	ug/L		97
75) 1,1,1,2-Tetrachloroethane	8.569	131	55523	10.979	ug/L		94
76) p/m Xylene	8.656	106	208587	22.030	ug/L		92
77) o Xylene	8.942	106	197554	21.800	ug/L		87

Data Path : I:\VOLATILES\Elaine\2020\200421N\
Data File : VE200421N13.D
Acq On : 21 Apr 2020 6:43 pm
Operator : ELAINE:AD
Sample : I8260STDLL10PPB
Misc : WG1363751
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 23 07:20:49 2020
Quant Method : I:\VOLATILES\Elaine\2020\200421N\Elaine_200421N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 23 07:10:35 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2020\200421N\VE200421N13.D
Sub List : 8260-CurvePenta - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
78) Styrene	8.981	104	330205	22.387	ug/L		88
80) Bromoform	8.984	173	31182	10.910	ug/L		96
82) Isopropylbenzene	9.151	105	265718	11.214	ug/L		96
84) Bromobenzene	9.373	156	63552	10.966	ug/L		97
85) n-Propylbenzene	9.410	91	300825	11.302	ug/L		92
86) 1,4-Dichlorobutane	9.418	55	92039	11.280	ug/L	#	90
87) 1,1,2,2-Tetrachloroethane	9.465	83	49477	10.749	ug/L		100
88) 4-Ethyltoluene	9.482	105	252426	11.286	ug/L		94
89) 2-Chlorotoluene	9.493	91	204820	11.022	ug/L		93
90) 1,3,5-Trimethylbenzene	9.535	105	222902	11.236	ug/L		88
91) 1,2,3-Trichloropropane	9.535	75	41336	10.580	ug/L		100
92) trans-1,4-Dichloro-2-b...	9.568	53	15874	10.133	ug/L	#	80
93) 4-Chlorotoluene	9.596	91	187071	11.130	ug/L		94
94) tert-Butylbenzene	9.721	119	218287	11.183	ug/L		90
95) Pentachloroethane	9.730	167	37024	10.759	ug/L		98
97) 1,2,4-Trimethylbenzene	9.763	105	221879	11.380	ug/L		92
98) sec-Butylbenzene	9.827	105	264580	11.473	ug/L		97
99) p-Isopropyltoluene	9.913	119	244686	11.433	ug/L		94
100) 1,3-Dichlorobenzene	9.944	146	121657	11.006	ug/L		97
101) 1,4-Dichlorobenzene	9.997	146	120447	10.882	ug/L		97
102) p-Diethylbenzene	10.125	119	138125	11.207	ug/L		96
103) n-Butylbenzene	10.155	91	206771	11.465	ug/L		94
104) 1,2-Dichlorobenzene	10.236	146	114551	11.039	ug/L		97
105) 1,2,4,5-Tetramethylben...	10.581	119	222519	11.371	ug/L		96
106) 1,2-Dibromo-3-chloropr...	10.695	155	7861	9.884	ug/L		83
107) 1,3,5-Trichlorobenzene	10.709	180	85472	11.083	ug/L		93
108) Hexachlorobutadiene	11.051	225	31988	11.613	ug/L		96
109) 1,2,4-Trichlorobenzene	11.068	180	77084	10.766	ug/L		100
110) Naphthalene	11.249	128	170963	10.683	ug/L		100
111) 1,2,3-Trichlorobenzene	11.349	180	69747	10.708	ug/L		99

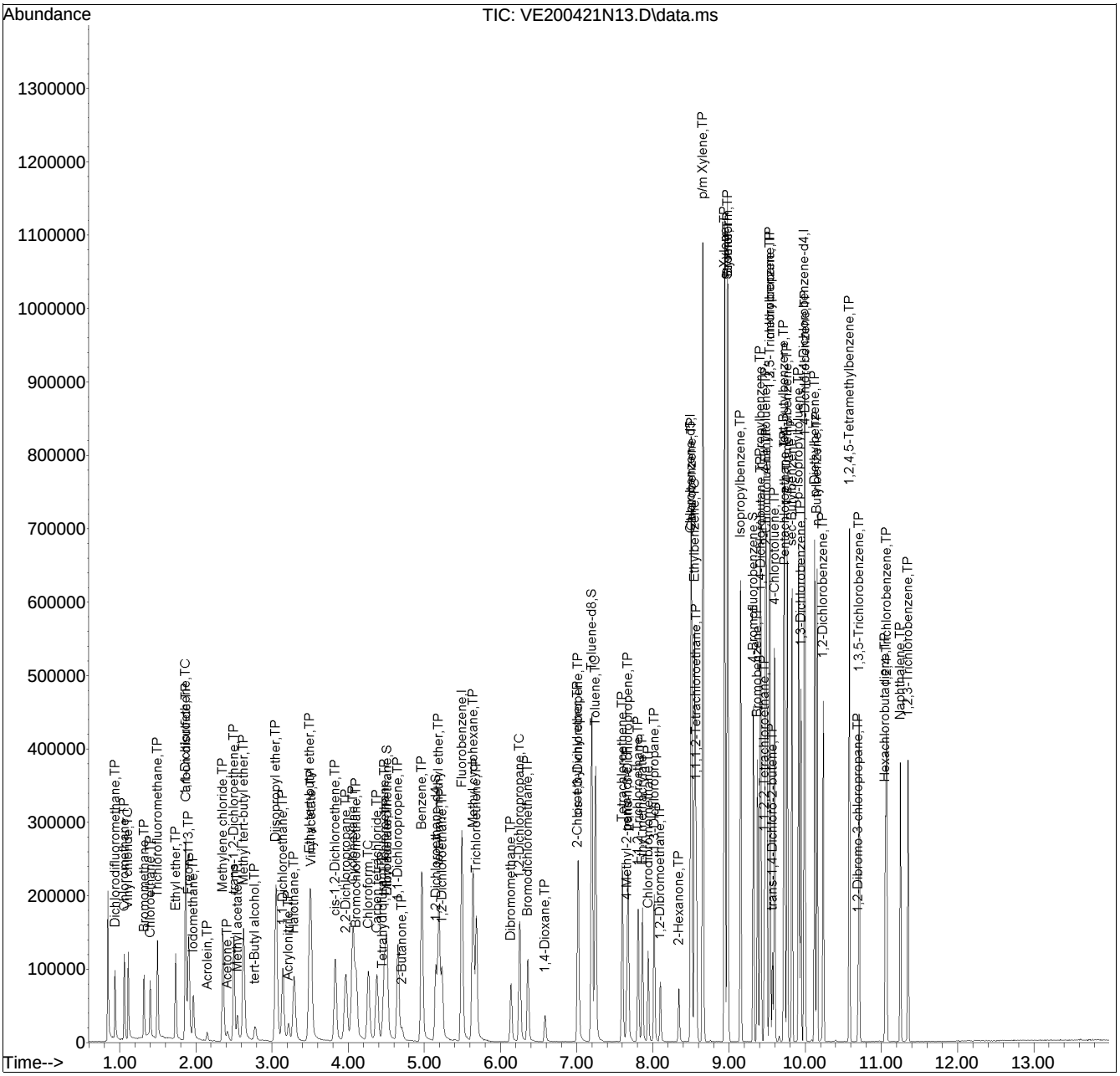
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2020\200421N\
Data File : VE200421N13.D
Acq On : 21 Apr 2020 6:43 pm
Operator : ELAINE:AD
Sample : I8260STDLL10PPB
Misc : WG1363751
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 23 07:20:49 2020
Quant Method : I:\VOLATILES\Elaine\2020\200421N\Elaine_200421N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 23 07:10:35 2020
Response via : Initial Calibration

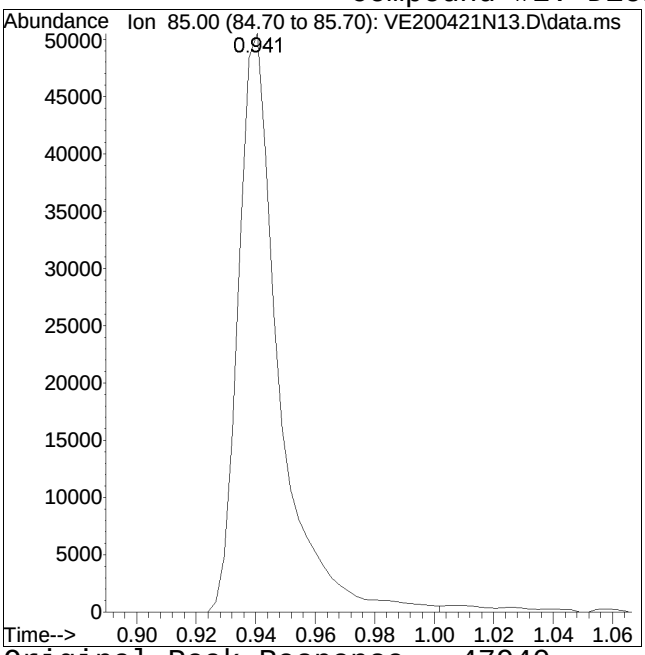
Sub List : 8260-CurvePenta - All compounds listedE200421N13.D•



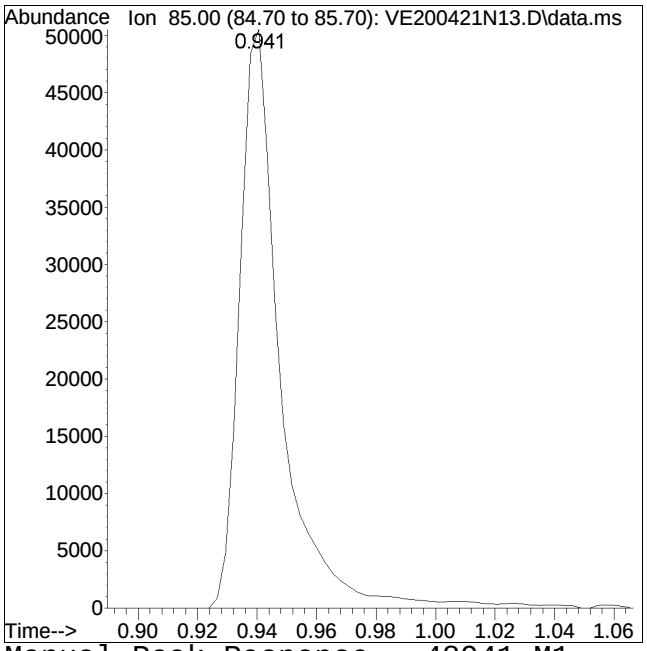
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N13.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 6:43 pm Instrument : Elaine
Sample : I8260STDLL10PPB Quant Date : 4/23/2020 7:20 am

Compound #2: Dichlorodifluoromethane



Original Peak Response = 47940



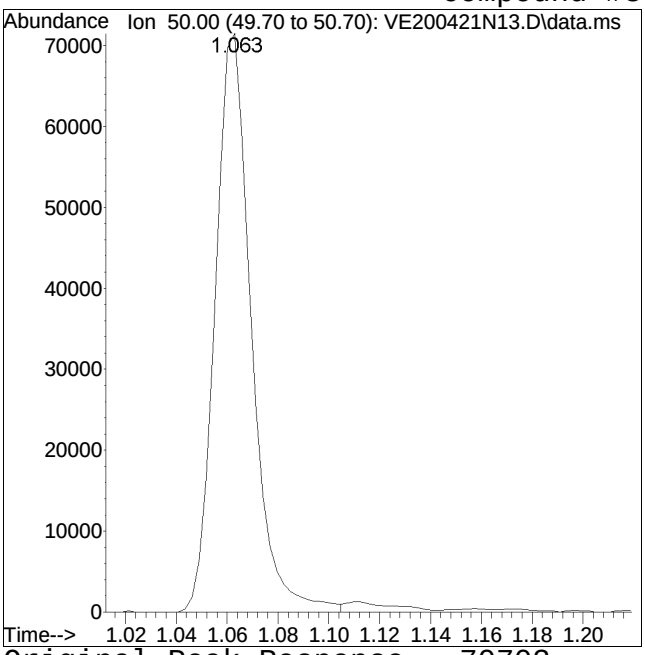
Manual Peak Response = 48941 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

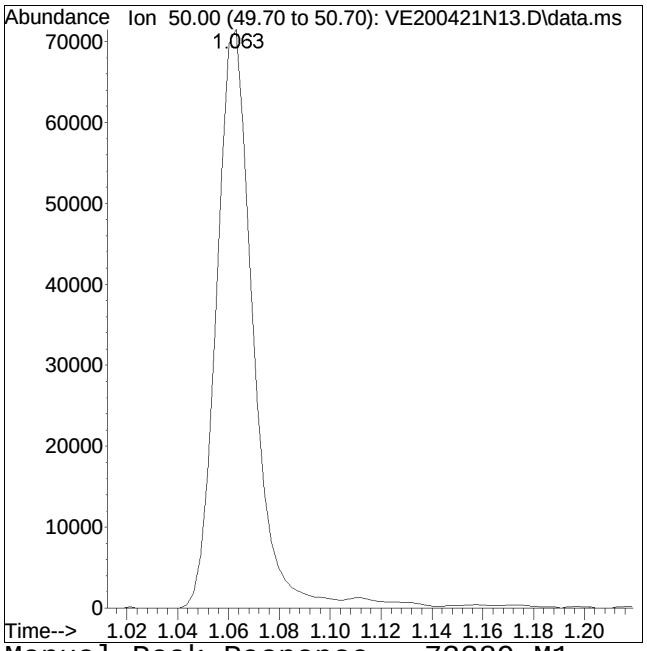
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N13.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 6:43 pm Instrument : Elaine
Sample : I8260STDLL10PPB Quant Date : 4/23/2020 7:20 am

Compound #3: Chloromethane



Original Peak Response = 70703



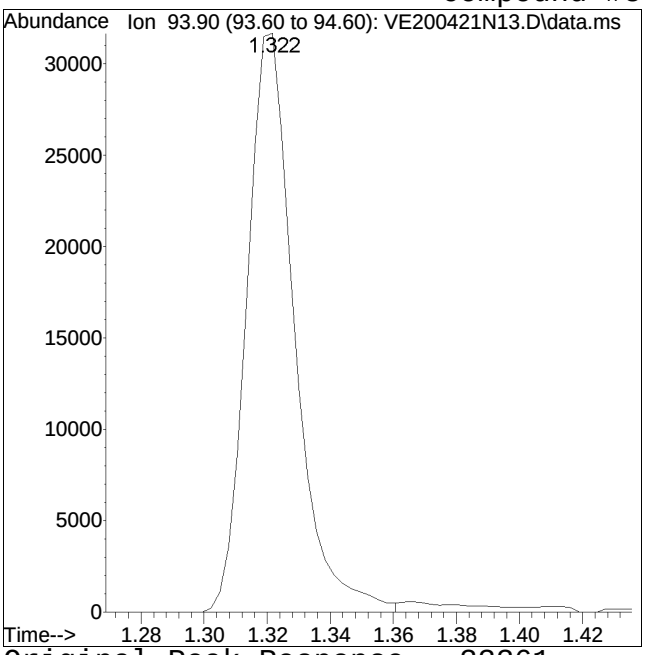
Manual Peak Response = 73389 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

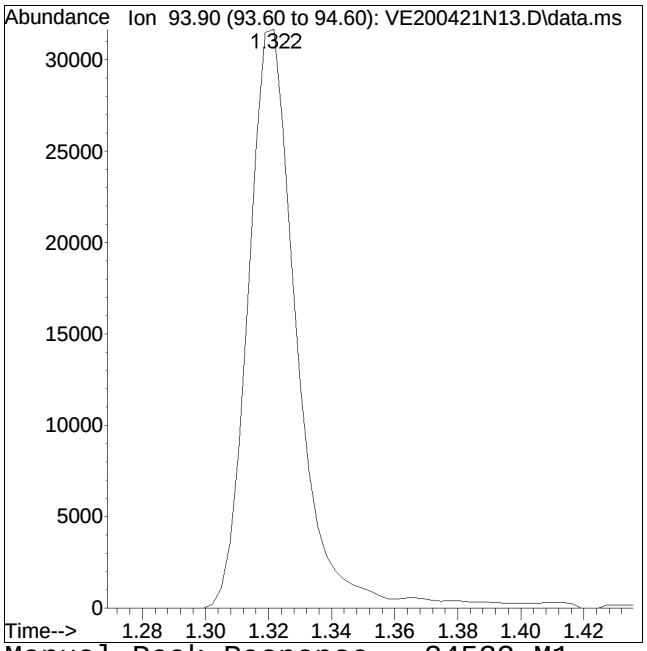
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N13.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 6:43 pm Instrument : Elaine
Sample : I8260STDLL10PPB Quant Date : 4/23/2020 7:20 am

Compound #5: Bromomethane



Original Peak Response = 33361



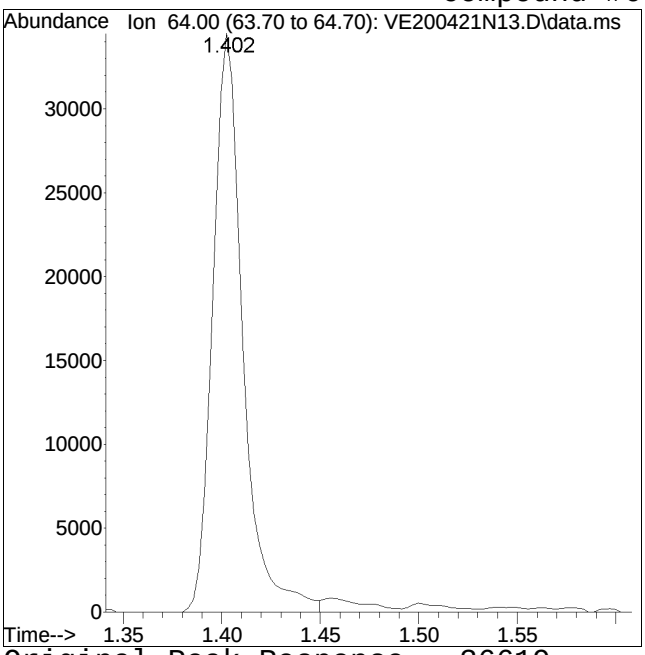
Manual Peak Response = 34533 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

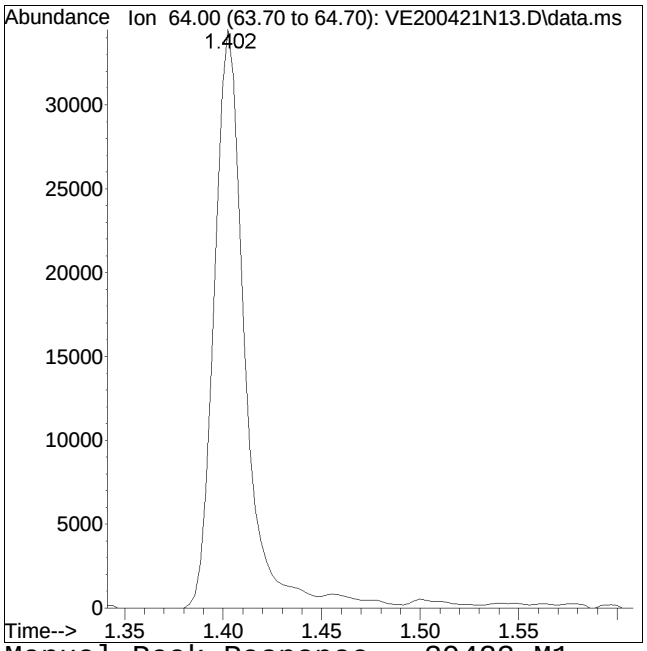
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N13.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 6:43 pm Instrument : Elaine
Sample : I8260STDLL10PPB Quant Date : 4/23/2020 7:20 am

Compound #6: Chloroethane



Original Peak Response = 36619



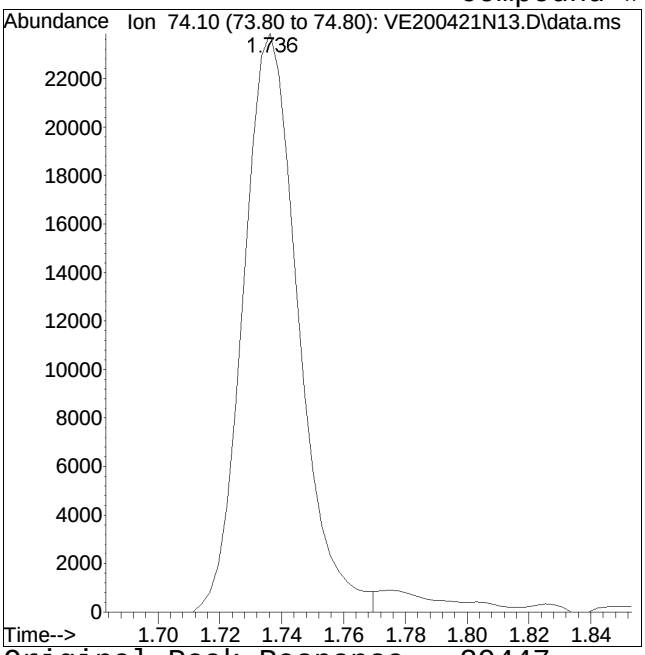
Manual Peak Response = 39423 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

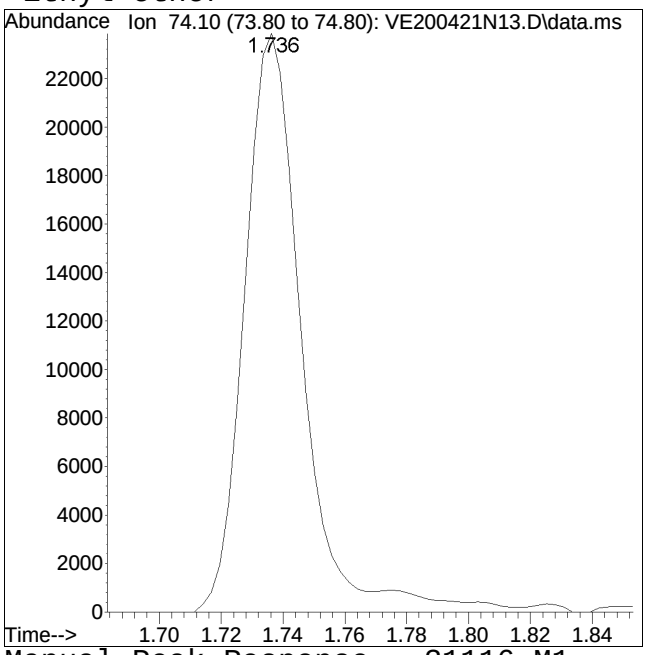
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N13.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 6:43 pm Instrument : Elaine
Sample : I8260STDLL10PPB Quant Date : 4/23/2020 7:20 am

Compound #8: Ethyl ether



Original Peak Response = 29447



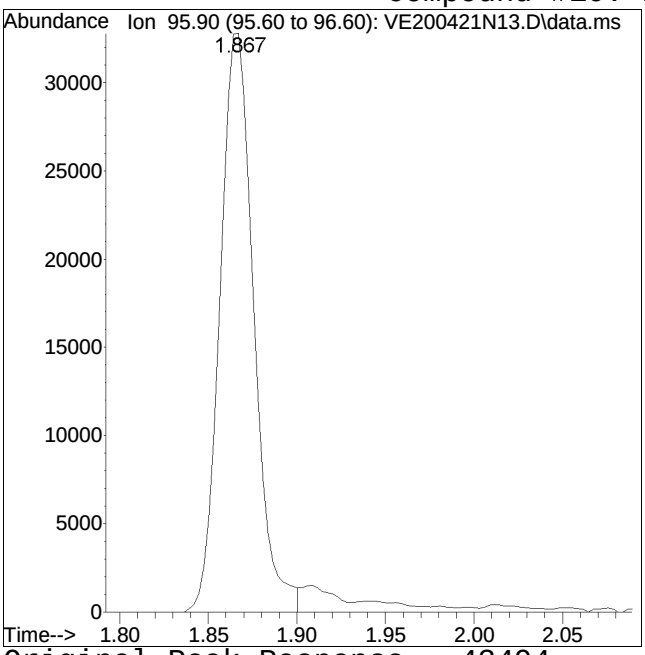
Manual Peak Response = 31116 M1

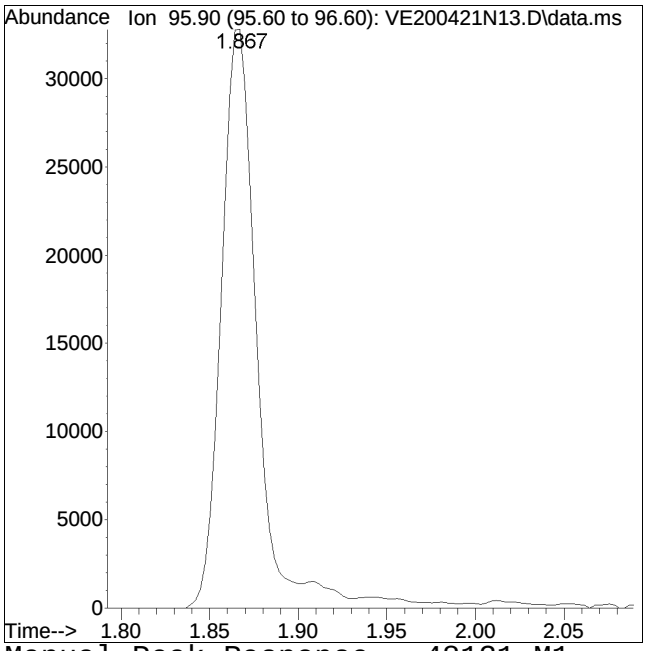
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N13.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 6:43 pm Instrument : Elaine
Sample : I8260STDLL10PPB Quant Date : 4/23/2020 7:20 am

Compound #10: 1,1-Dichloroethene



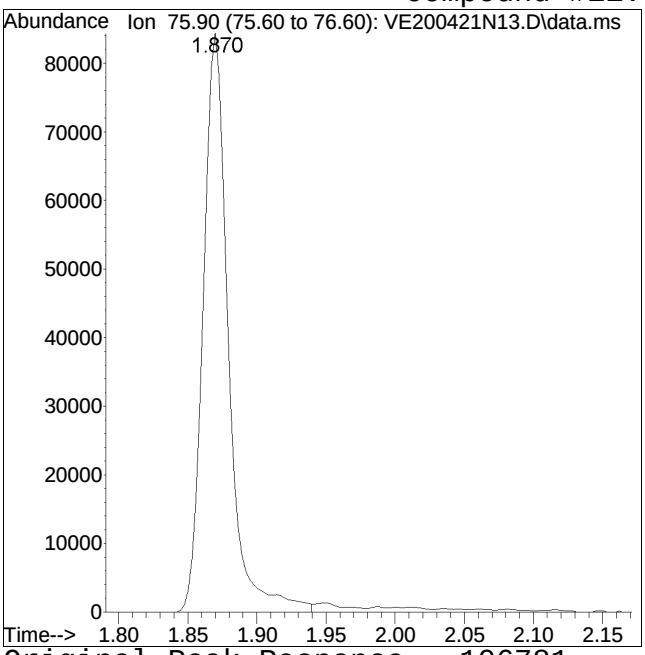


Original Peak Response = 43494 Manual Peak Response = 48131 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

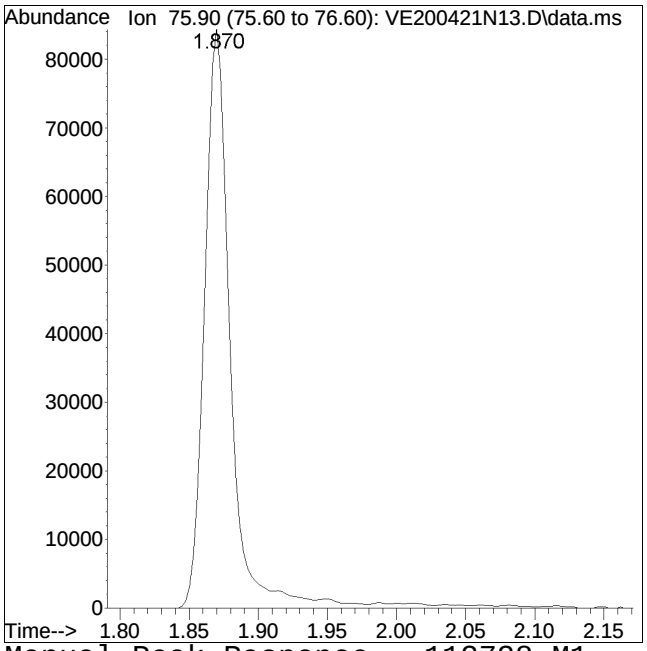
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N13.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 6:43 pm Instrument : Elaine
Sample : I8260STDLL10PPB Quant Date : 4/23/2020 7:20 am

Compound #11: Carbon disulfide



Original Peak Response = 106781



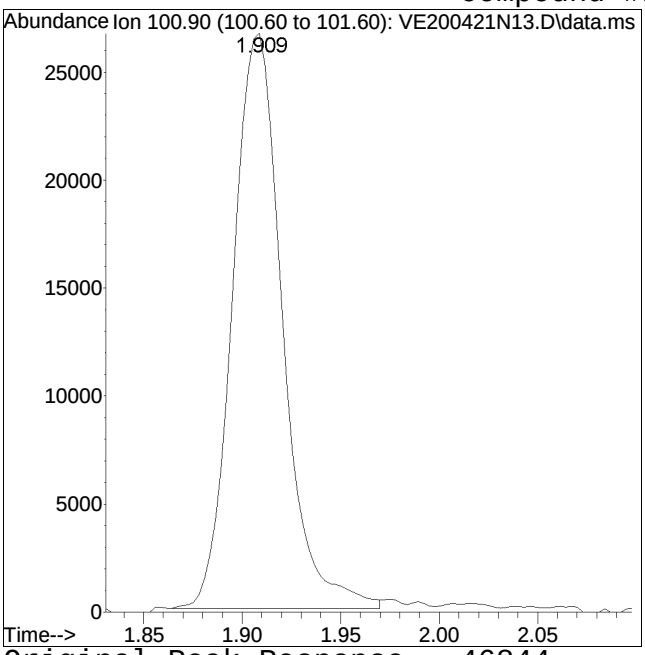
Manual Peak Response = 112728 M1

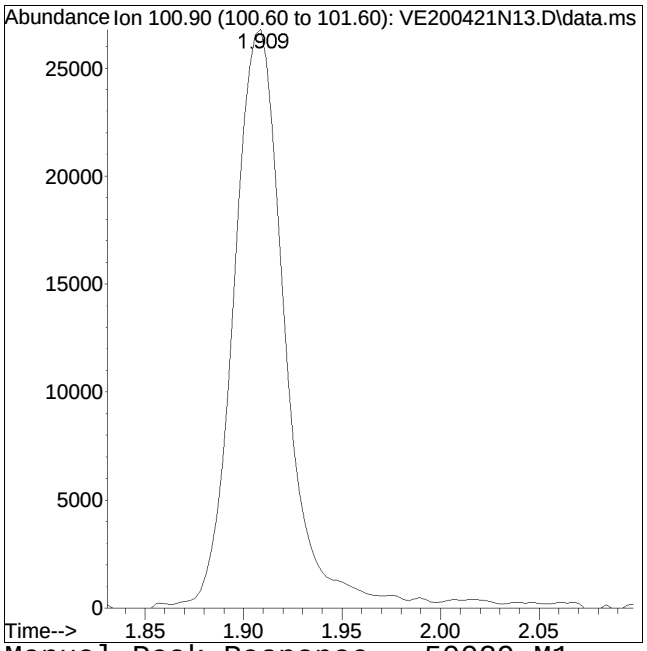
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N13.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 6:43 pm Instrument : Elaine
Sample : I8260STDLL10PPB Quant Date : 4/23/2020 7:20 am

Compound #12: Freon-113



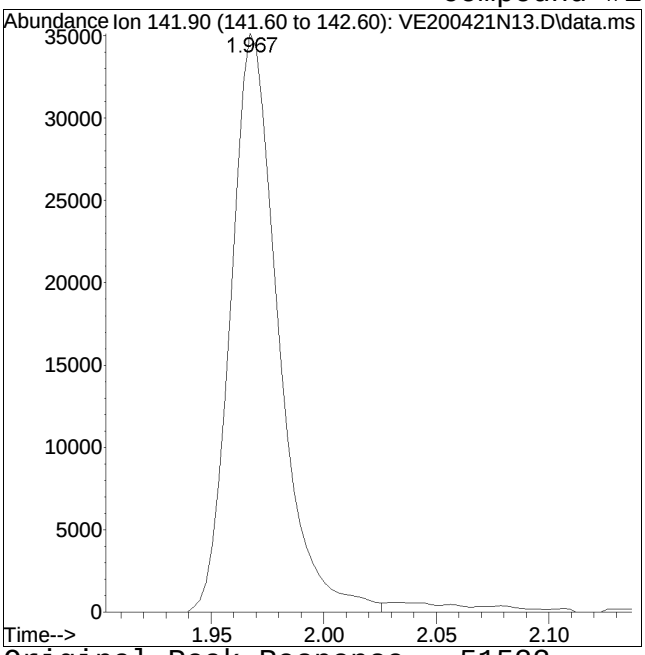


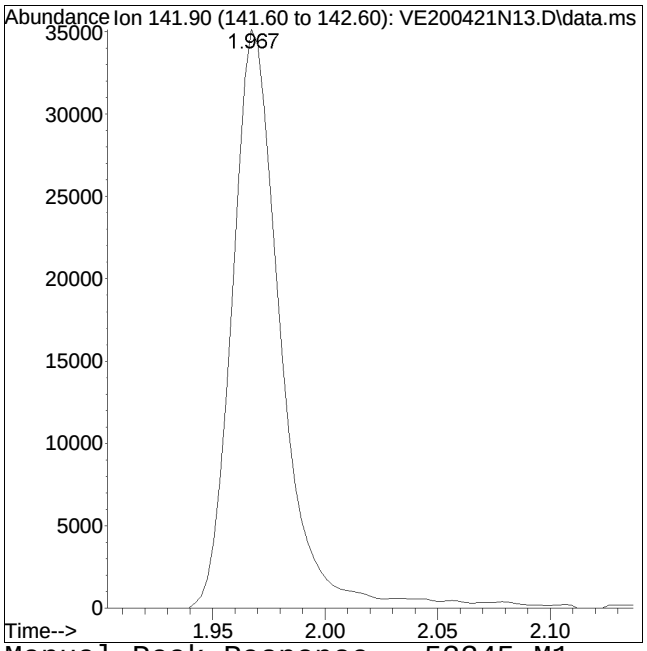
Original Peak Response = 46844 Manual Peak Response = 50029 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N13.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 6:43 pm Instrument : Elaine
Sample : I8260STDLL10PPB Quant Date : 4/23/2020 7:20 am

Compound #13: Iodomethane



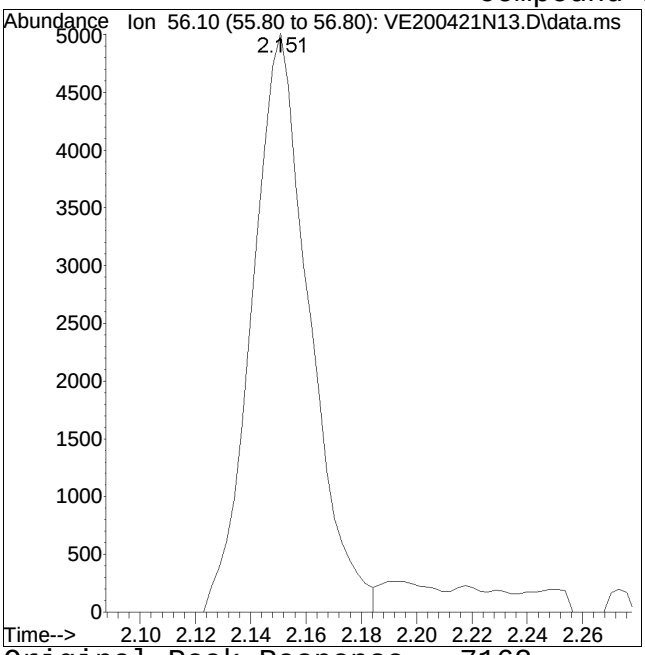


Original Peak Response = 51522 Manual Peak Response = 53345 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

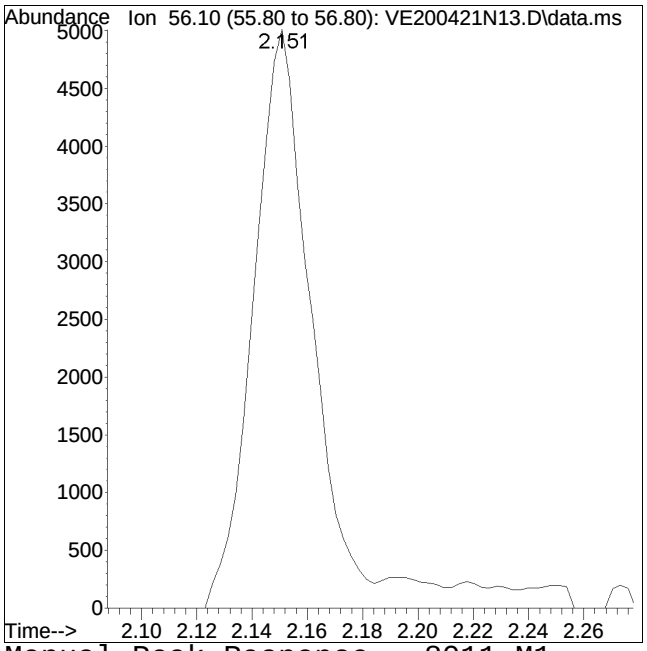
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N13.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 6:43 pm Instrument : Elaine
Sample : I8260STDLL10PPB Quant Date : 4/23/2020 7:20 am

Compound #14: Acrolein



Original Peak Response = 7162



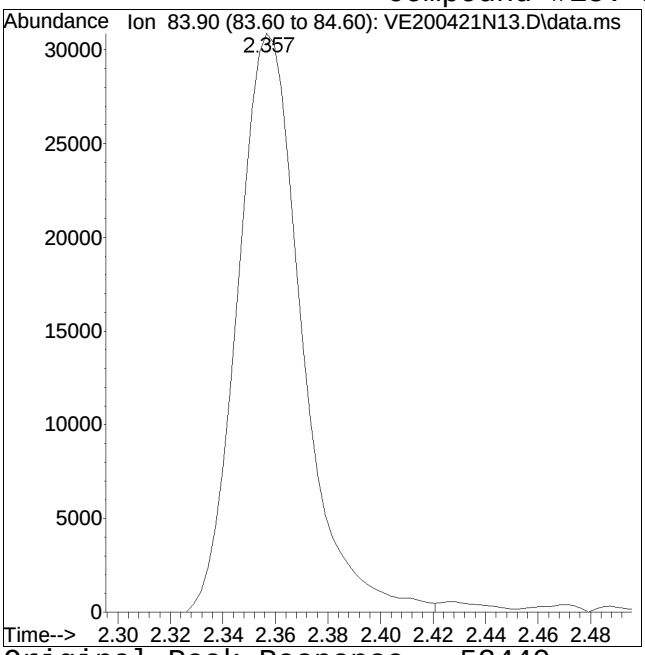
Manual Peak Response = 8011 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

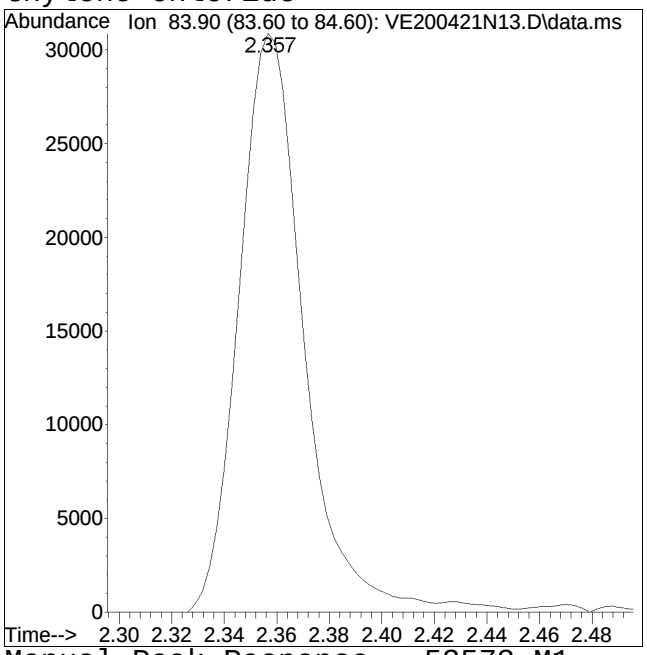
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N13.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 6:43 pm Instrument : Elaine
Sample : I8260STDLL10PPB Quant Date : 4/23/2020 7:20 am

Compound #15: Methylene chloride



Original Peak Response = 52440



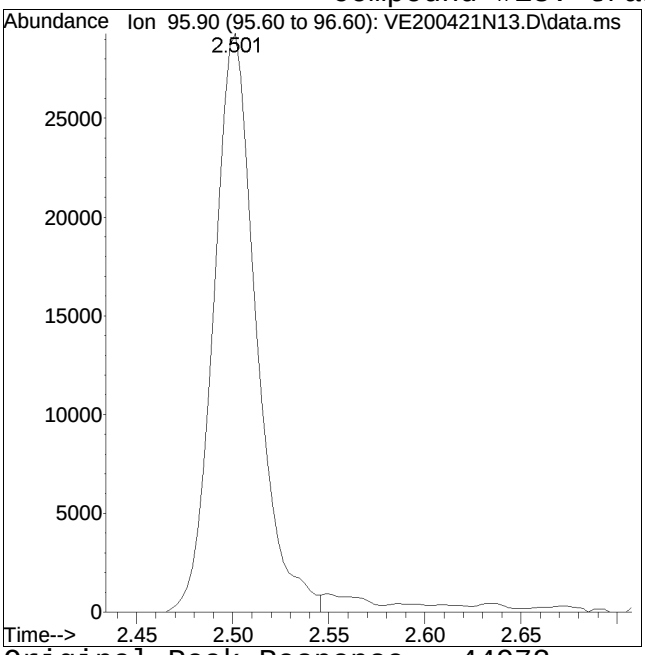
Manual Peak Response = 53573 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

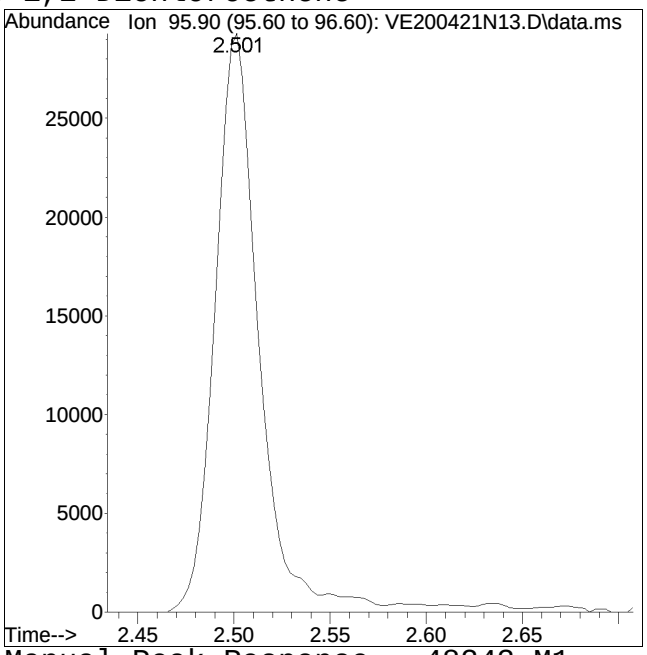
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N13.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 6:43 pm Instrument : Elaine
Sample : I8260STDLL10PPB Quant Date : 4/23/2020 7:20 am

Compound #18: trans-1,2-Dichloroethene



Original Peak Response = 44972



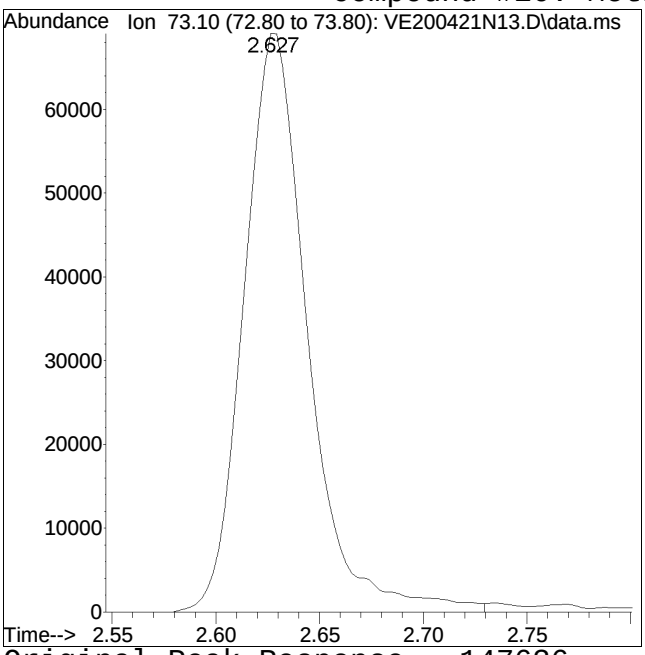
Manual Peak Response = 48243 M1

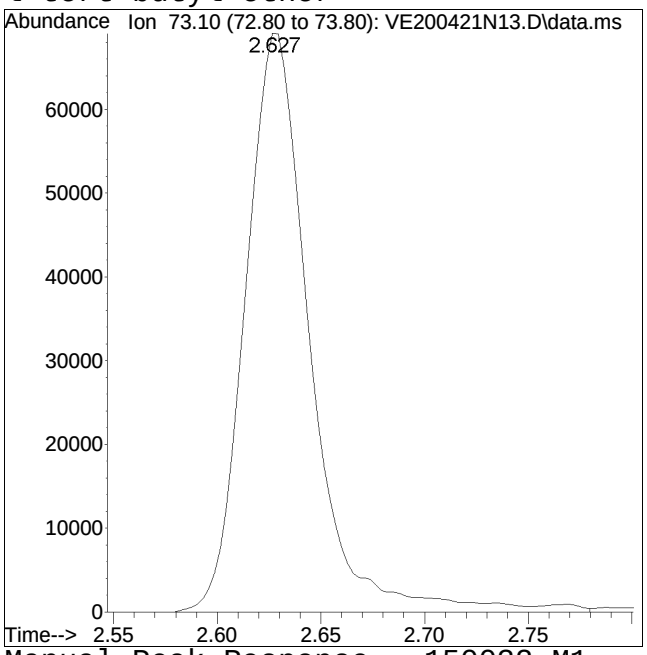
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N13.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 6:43 pm Instrument : Elaine
Sample : I8260STDLL10PPB Quant Date : 4/23/2020 7:20 am

Compound #20: Methyl tert-butyl ether



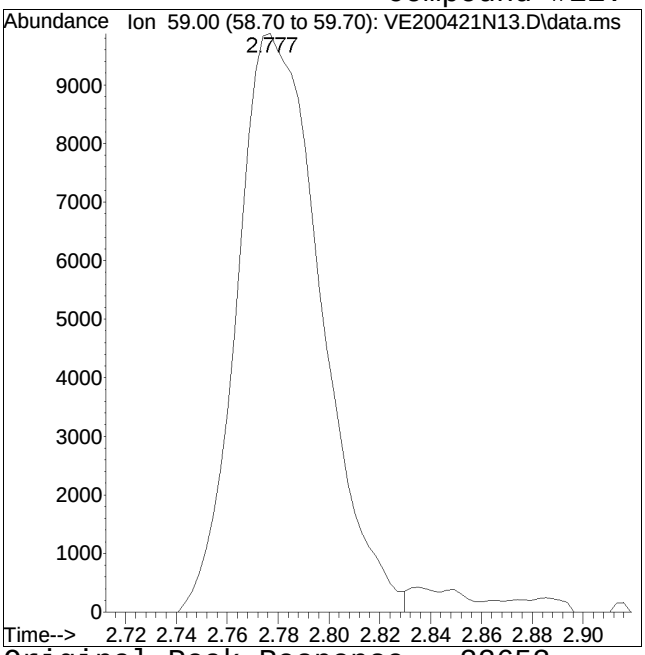


Original Peak Response = 147636 Manual Peak Response = 150032 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

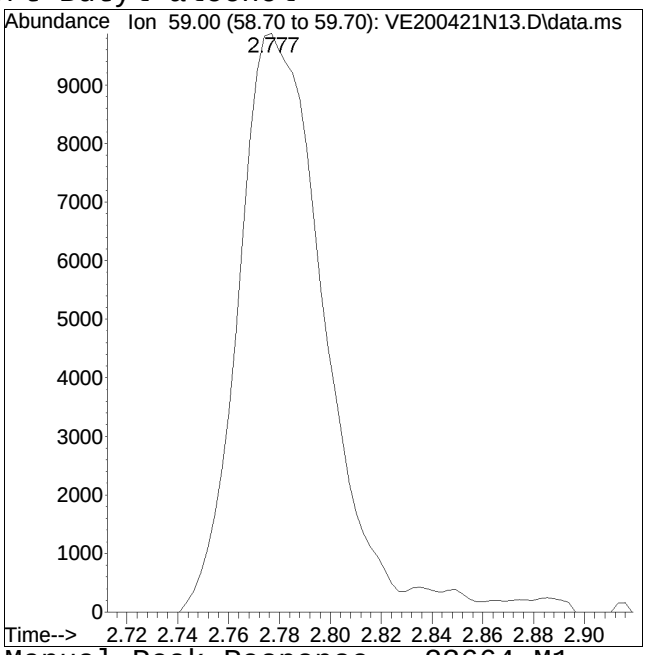
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N13.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 6:43 pm Instrument : Elaine
Sample : I8260STDLL10PPB Quant Date : 4/23/2020 7:20 am

Compound #21: tert-Butyl alcohol



Original Peak Response = 22653



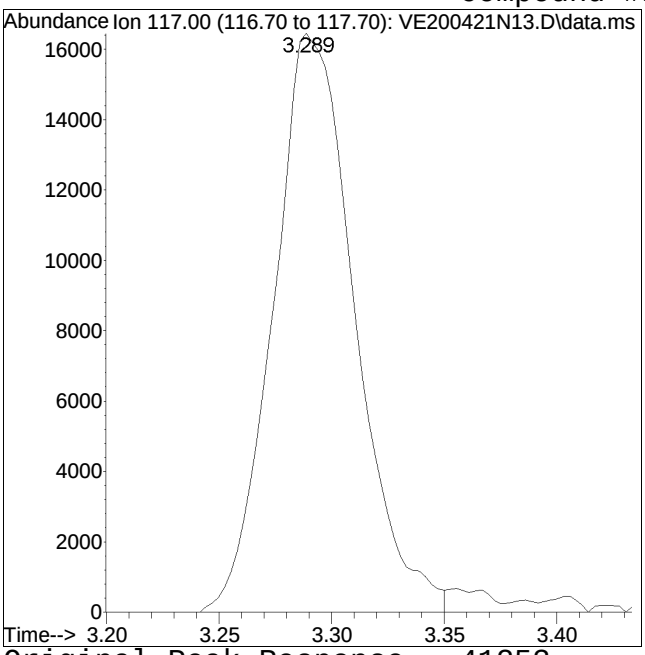
Manual Peak Response = 23664 M1

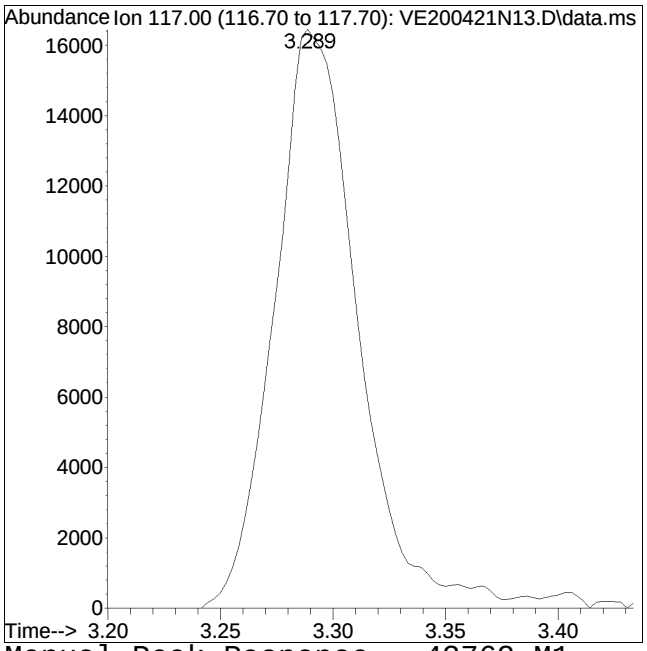
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N13.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 6:43 pm Instrument : Elaine
Sample : I8260STDLL10PPB Quant Date : 4/23/2020 7:20 am

Compound #24: Halothane



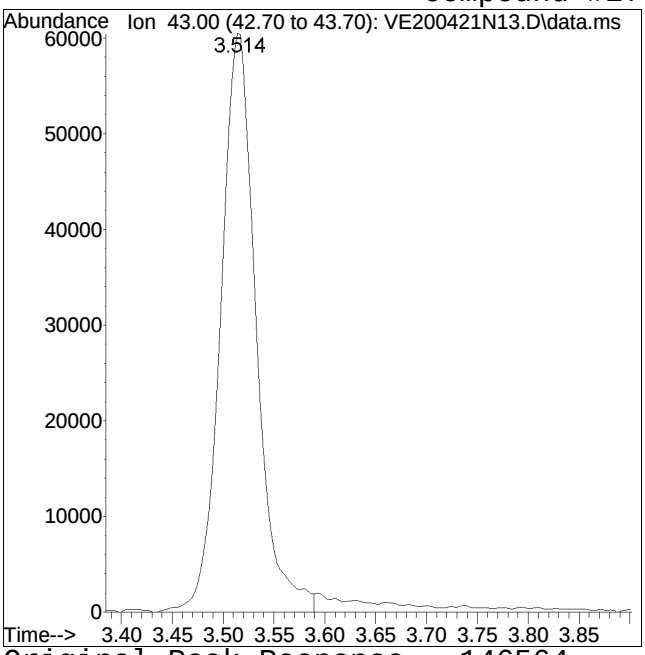


Original Peak Response = 41253 Manual Peak Response = 42762 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

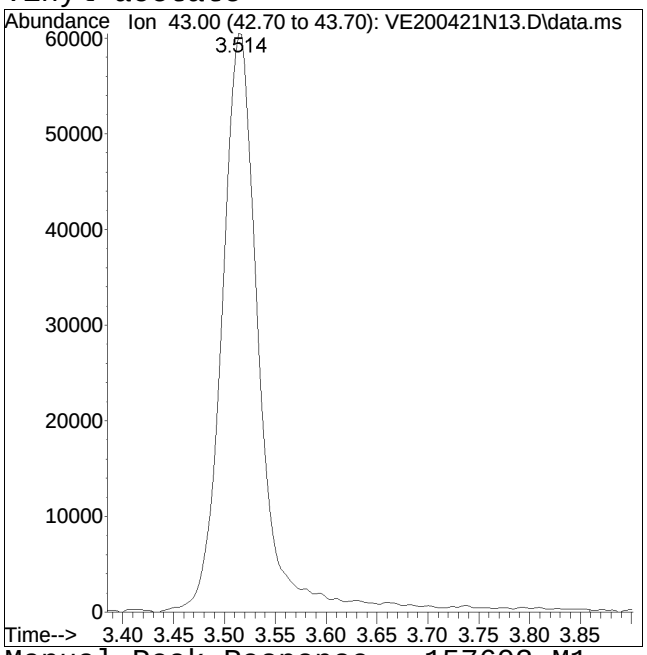
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N13.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 6:43 pm Instrument : Elaine
Sample : I8260STDLL10PPB Quant Date : 4/23/2020 7:20 am

Compound #27: Vinyl acetate



Original Peak Response = 146564



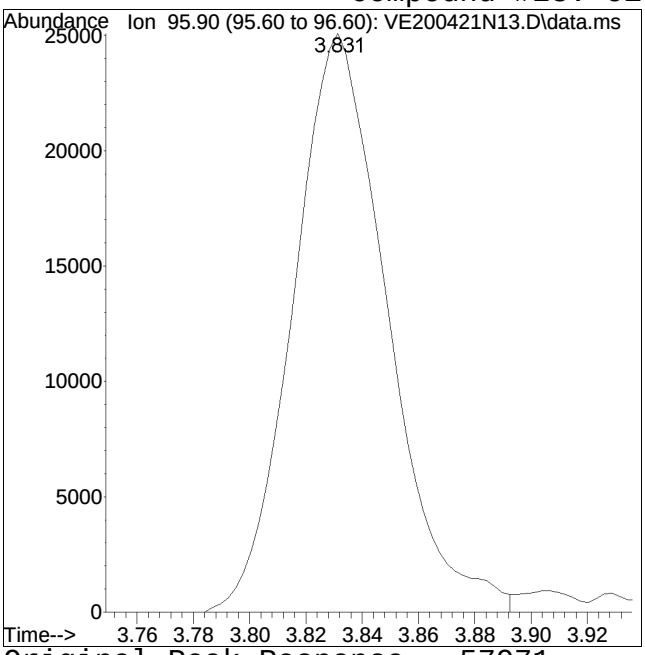
Manual Peak Response = 157603 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

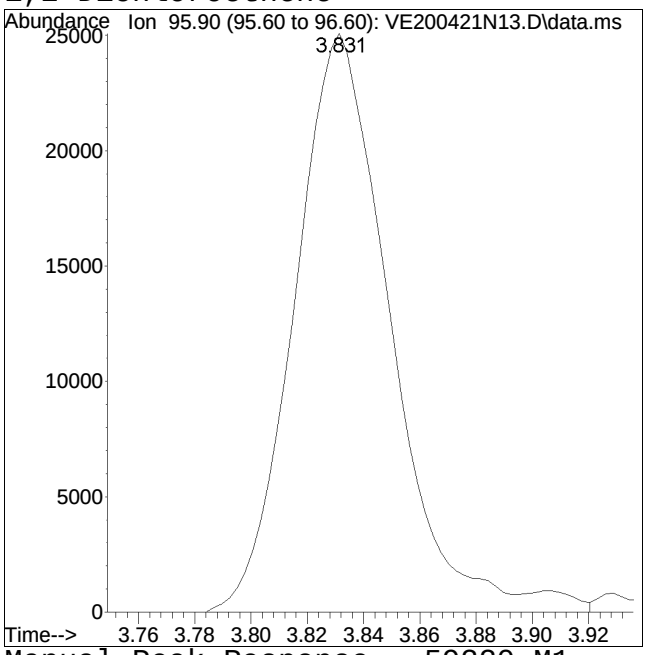
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N13.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 6:43 pm Instrument : Elaine
Sample : I8260STDLL10PPB Quant Date : 4/23/2020 7:20 am

Compound #28: cis-1,2-Dichloroethene



Original Peak Response = 57971



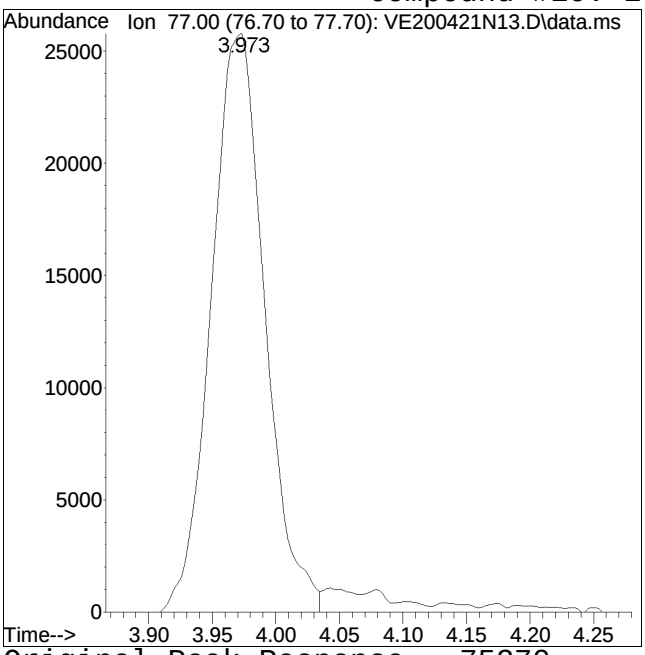
Manual Peak Response = 59220 M1

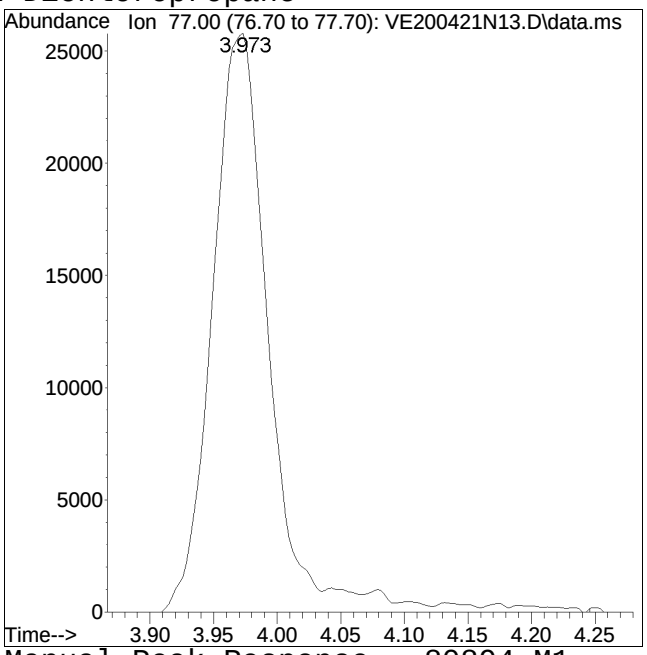
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N13.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 6:43 pm Instrument : Elaine
Sample : I8260STDLL10PPB Quant Date : 4/23/2020 7:20 am

Compound #29: 2,2-Dichloropropane



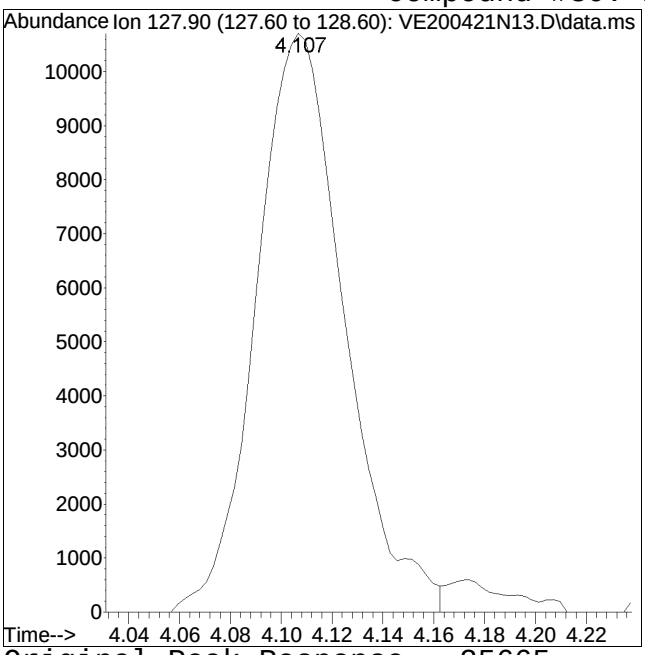


Original Peak Response = 75270 Manual Peak Response = 80894 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

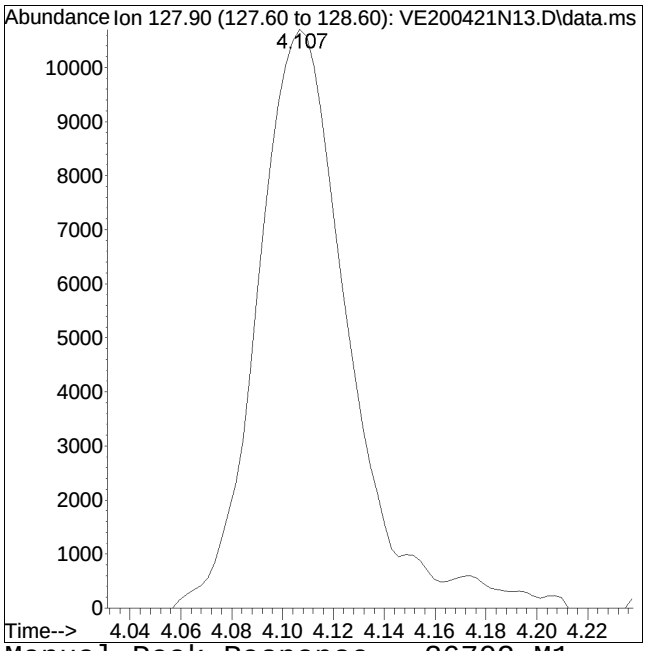
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N13.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 6:43 pm Instrument : Elaine
Sample : I8260STDLL10PPB Quant Date : 4/23/2020 7:20 am

Compound #30: Bromochloromethane



Original Peak Response = 25665



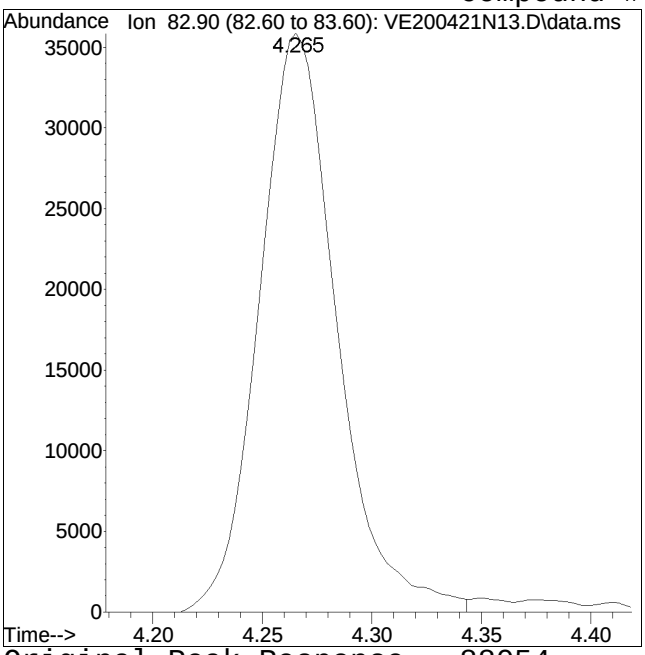
Manual Peak Response = 26702 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

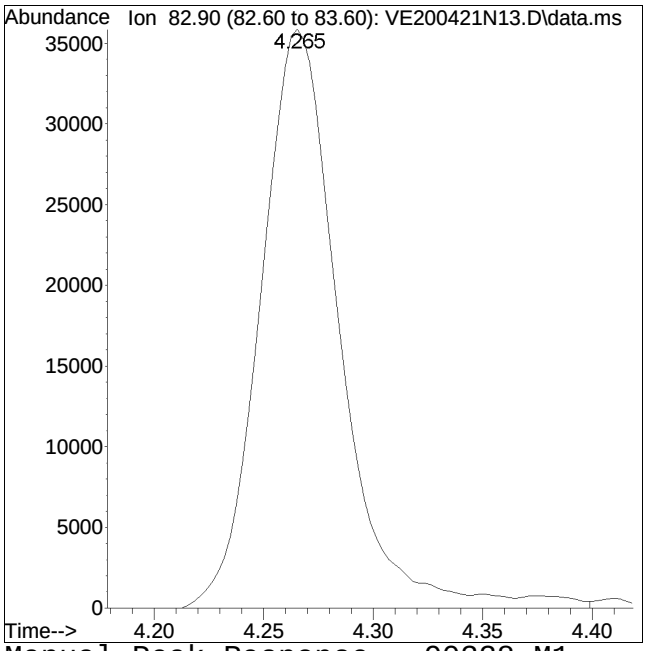
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N13.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 6:43 pm Instrument : Elaine
Sample : I8260STDLL10PPB Quant Date : 4/23/2020 7:20 am

Compound #32: Chloroform



Original Peak Response = 88054



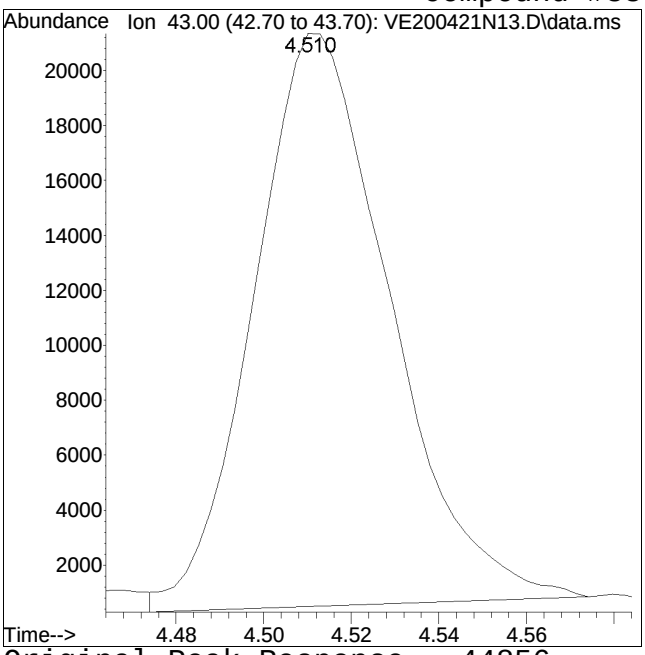
Manual Peak Response = 90338 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

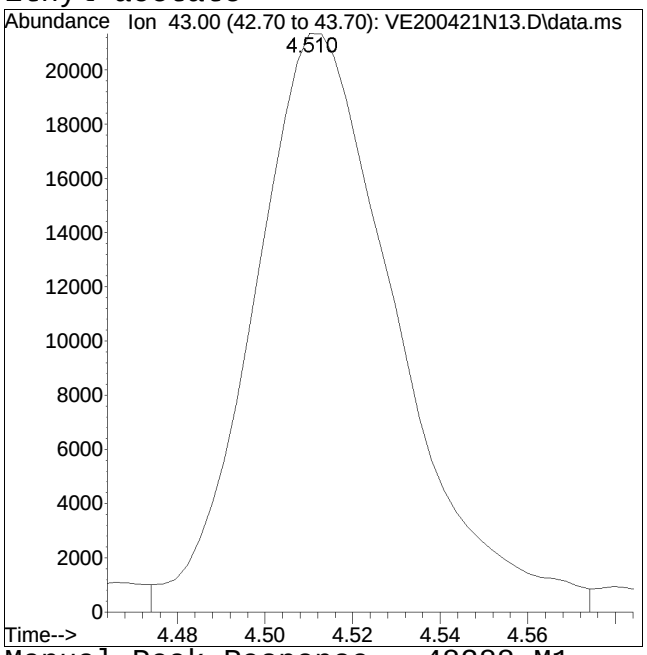
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N13.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 6:43 pm Instrument : Elaine
Sample : I8260STDLL10PPB Quant Date : 4/23/2020 7:20 am

Compound #33: Ethyl acetate



Original Peak Response = 44856



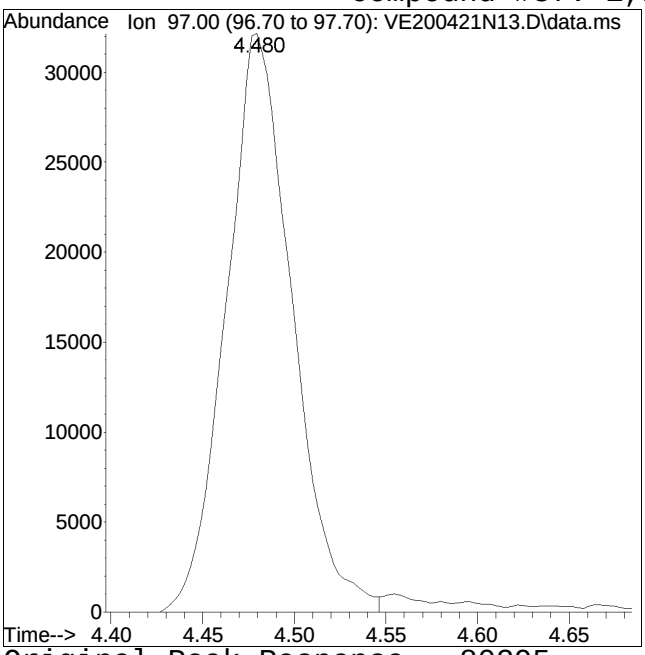
Manual Peak Response = 48288 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

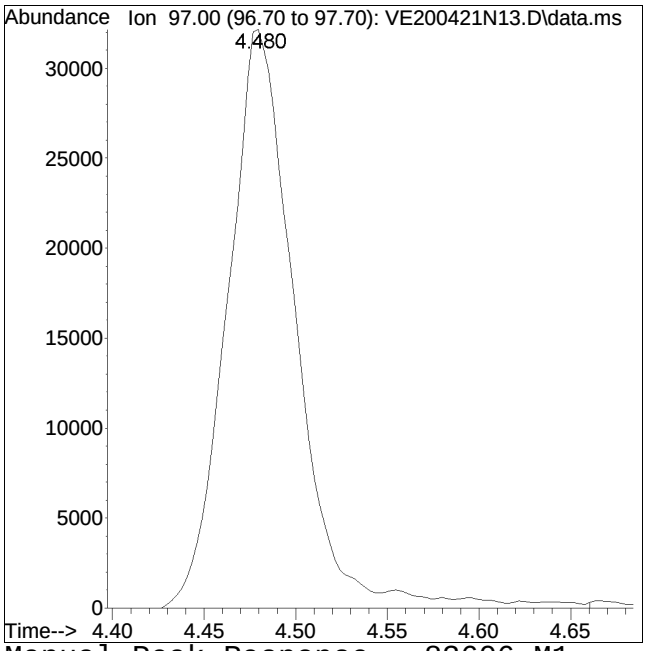
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N13.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 6:43 pm Instrument : Elaine
Sample : I8260STDLL10PPB Quant Date : 4/23/2020 7:20 am

Compound #37: 1,1,1-Trichloroethane



Original Peak Response = 80295



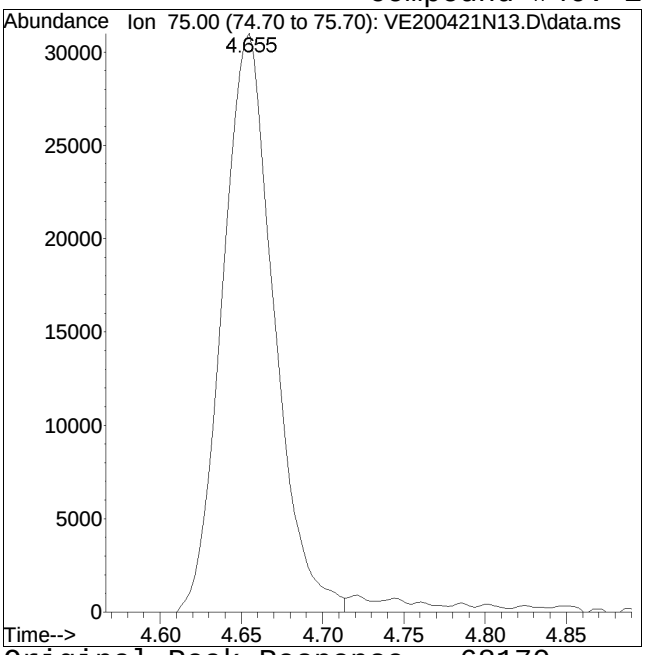
Manual Peak Response = 83606 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

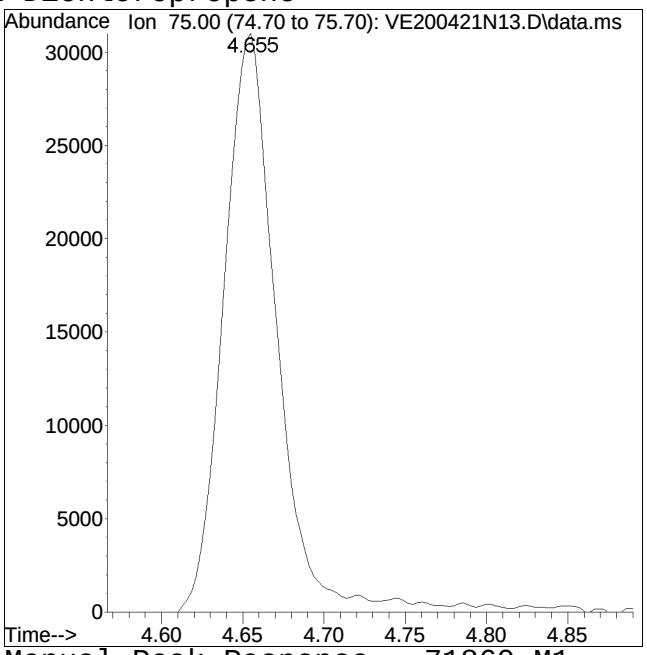
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N13.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 6:43 pm Instrument : Elaine
Sample : I8260STDLL10PPB Quant Date : 4/23/2020 7:20 am

Compound #40: 1,1-Dichloropropene



Original Peak Response = 68170



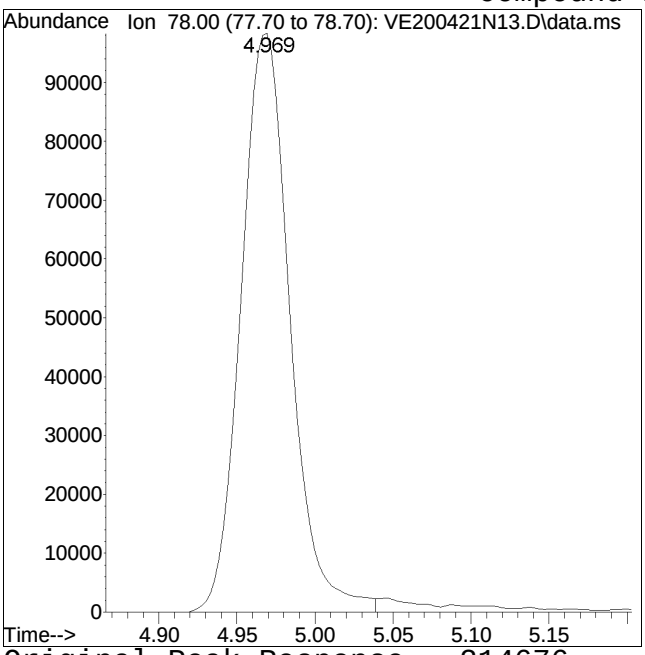
Manual Peak Response = 71860 M1

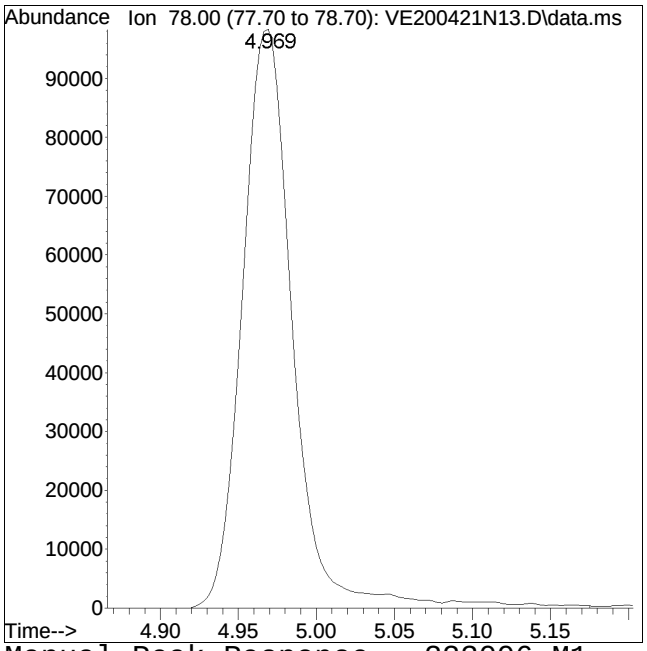
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N13.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 6:43 pm Instrument : Elaine
Sample : I8260STDLL10PPB Quant Date : 4/23/2020 7:20 am

Compound #41: Benzene



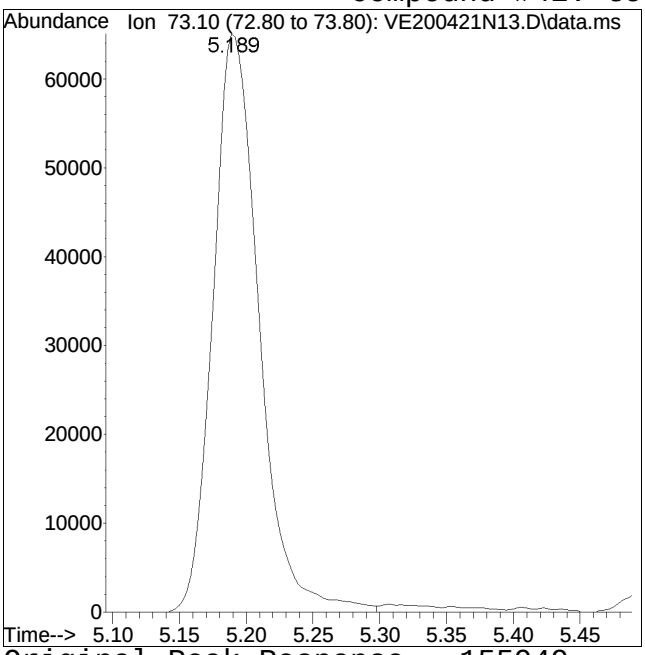


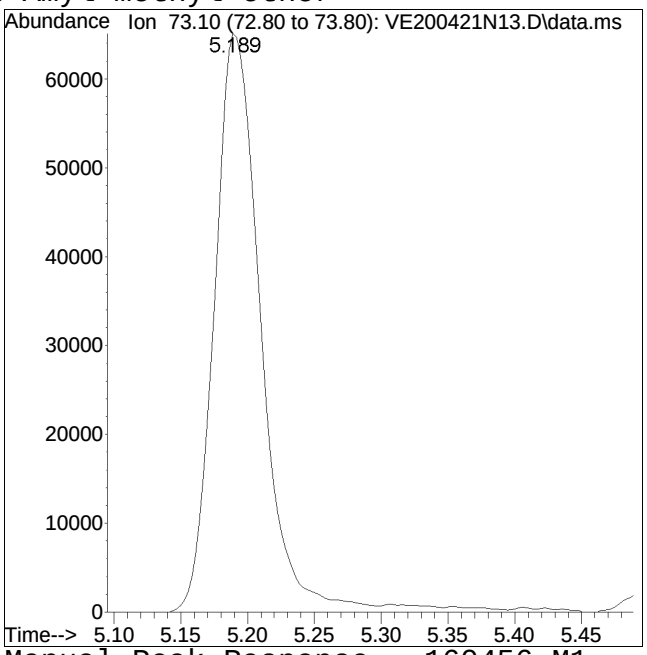
Original Peak Response = 214676 Manual Peak Response = 223006 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N13.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 6:43 pm Instrument : Elaine
Sample : I8260STDLL10PPB Quant Date : 4/23/2020 7:20 am

Compound #42: tert-Amyl methyl ether



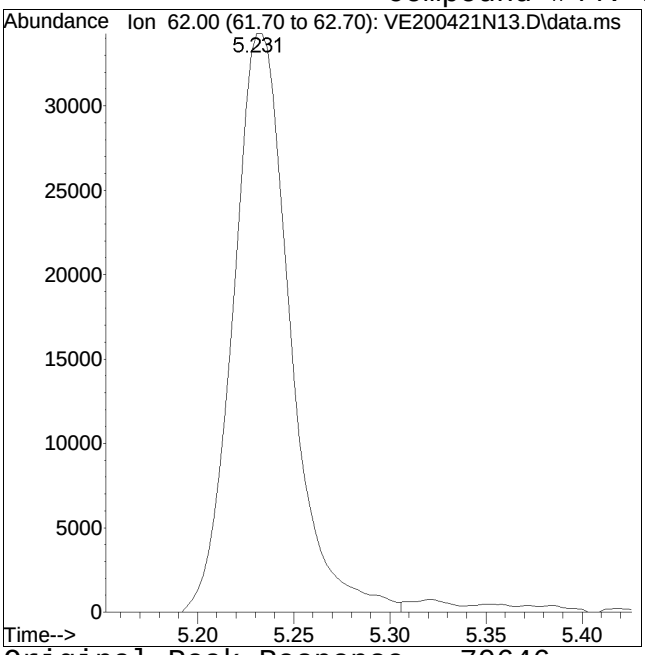


Original Peak Response = 155949 Manual Peak Response = 160456 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

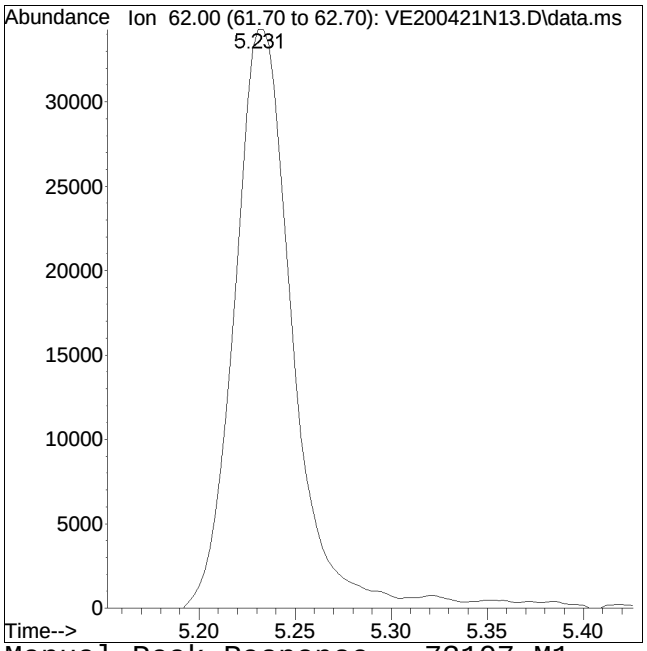
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N13.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 6:43 pm Instrument : Elaine
Sample : I8260STDLL10PPB Quant Date : 4/23/2020 7:20 am

Compound #44: 1,2-Dichloroethane



Original Peak Response = 70646



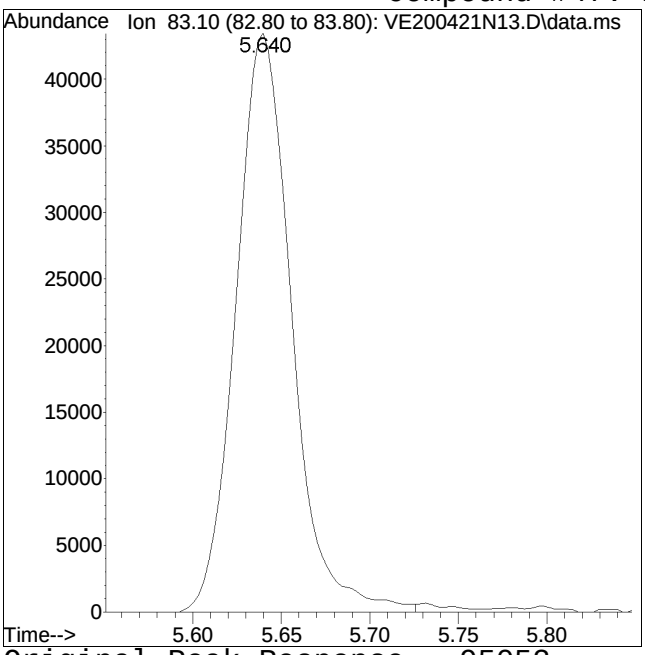
Manual Peak Response = 73107 M1

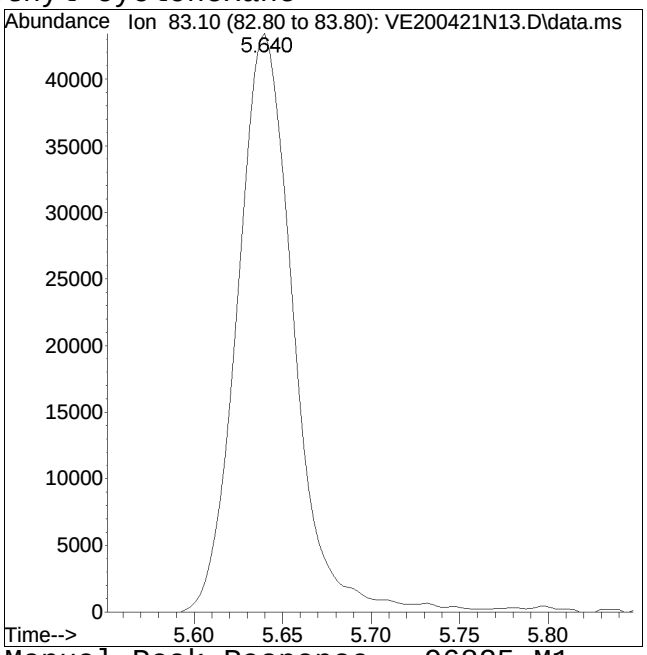
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N13.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 6:43 pm Instrument : Elaine
Sample : I8260STDLL10PPB Quant Date : 4/23/2020 7:20 am

Compound #47: Methyl cyclohexane



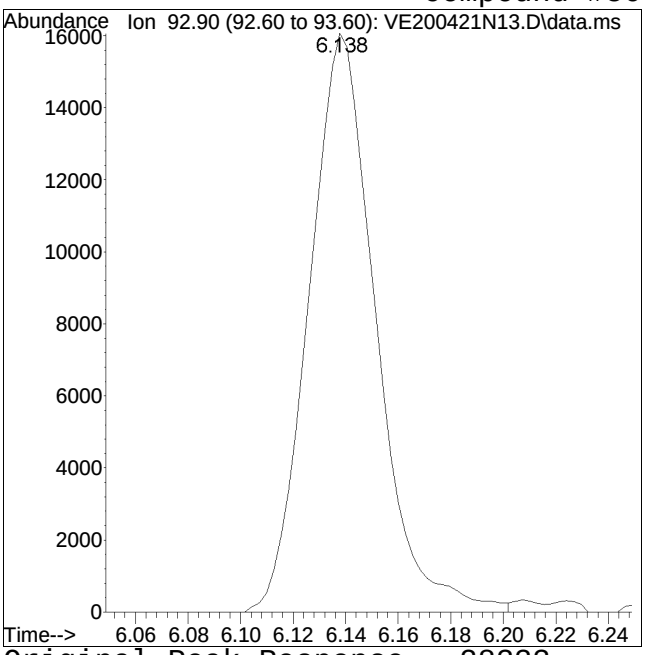


Original Peak Response = 95052 Manual Peak Response = 96825 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

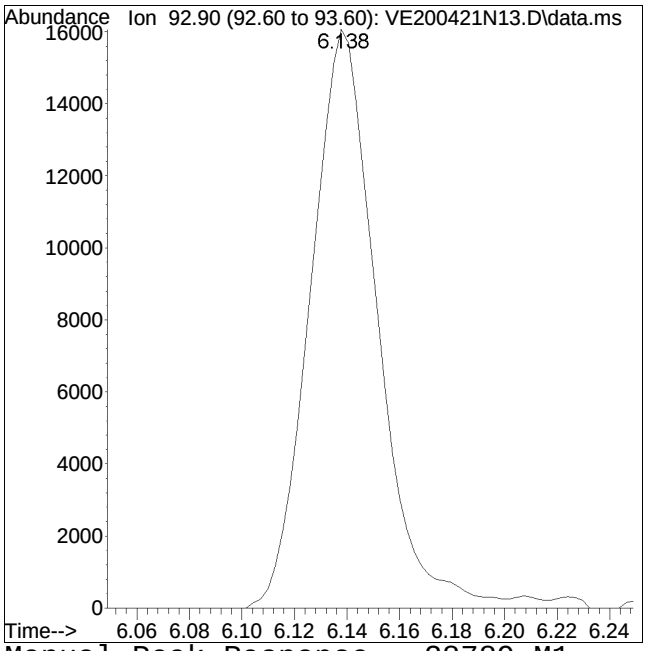
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N13.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 6:43 pm Instrument : Elaine
Sample : I8260STDLL10PPB Quant Date : 4/23/2020 7:20 am

Compound #50: Dibromomethane



Original Peak Response = 28333



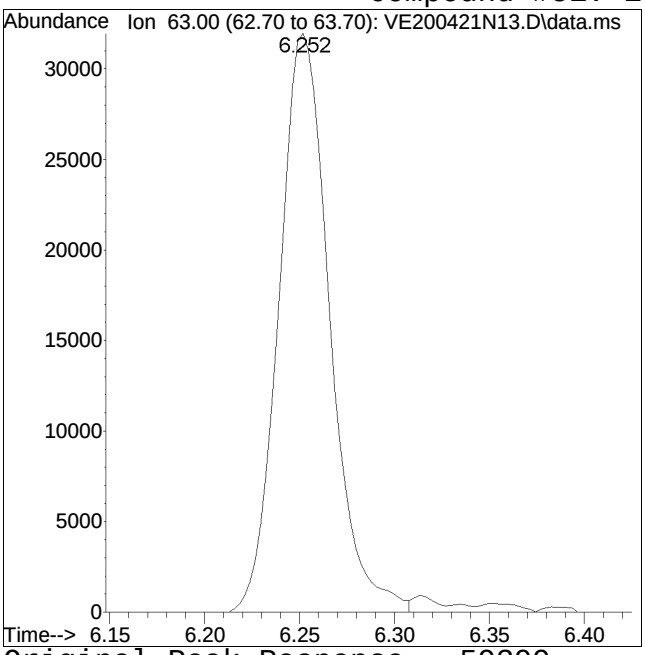
Manual Peak Response = 28789 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

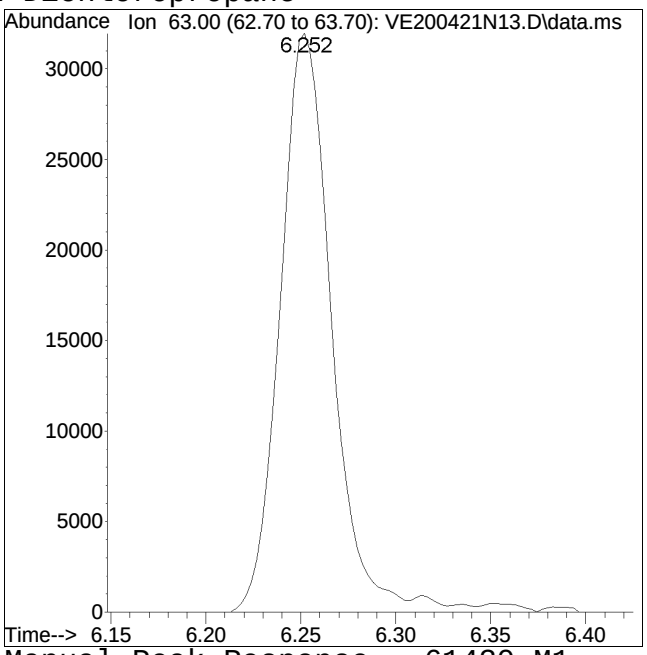
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N13.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 6:43 pm Instrument : Elaine
Sample : I8260STDLL10PPB Quant Date : 4/23/2020 7:20 am

Compound #51: 1,2-Dichloropropane



Original Peak Response = 59399



Manual Peak Response = 61430 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2020\200421N\
Data File : VE200421N14.D
Acq On : 21 Apr 2020 7:05 pm
Operator : ELAINE:AD
Sample : I8260STDLL30PPB
Misc : WG1363751
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 23 07:21:01 2020
Quant Method : I:\VOLATILES\Elaine\2020\200421N\Elaine_200421N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 23 07:10:35 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2020\200421N\VE200421N13.D
Sub List : 8260-CurvePenta - All compounds listed

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.492	96	276031	10.000 ug/L	0.00
Standard Area 1 = 258855			Recovery = 106.64%		
59) Chlorobenzene-d5	8.497	117	201328	10.000 ug/L	0.00
Standard Area 1 = 197747			Recovery = 101.81%		
79) 1,4-Dichlorobenzene-d4	9.989	152	103660	10.000 ug/L	0.00
Standard Area 1 = 100890			Recovery = 102.75%		
System Monitoring Compounds					
36) Dibromofluoromethane	4.508	113	64256	9.798 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.98%		
43) 1,2-Dichloroethane-d4	5.150	65	75715	9.741 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.41%		
60) Toluene-d8	7.198	98	274203	10.083 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.83%		
83) 4-Bromofluorobenzene	9.318	95	100217	10.085 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.85%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.938	85	145735M1	32.206 ug/L	
3) Chloromethane	1.060	50	216961M1	31.528 ug/L	
4) Vinyl chloride	1.113	62	201933	31.893 ug/L	97
5) Bromomethane	1.319	94	104462M1	30.638 ug/L	
6) Chloroethane	1.403	64	111640M1	30.594 ug/L	
7) Trichlorofluoromethane	1.497	101	224612	32.577 ug/L	95
8) Ethyl ether	1.734	74	88779	29.582 ug/L	82
10) 1,1-Dichloroethene	1.864	96	141287	31.024 ug/L #	73
11) Carbon disulfide	1.870	76	331854M1	32.059 ug/L	
12) Freon-113	1.906	101	150218M1	32.307 ug/L	
13) Iodomethane	1.967	142	177185	30.571 ug/L	81
14) Acrolein	2.148	56	22027M1	29.887 ug/L	
15) Methylene chloride	2.357	84	151813	29.197 ug/L	85
17) Acetone	2.415	43	35196	27.981 ug/L	98
18) trans-1,2-Dichloroethene	2.499	96	144720	31.731 ug/L	82
19) Methyl acetate	2.543	43	104866	27.780 ug/L	99
20) Methyl tert-butyl ether	2.624	73	424686	30.132 ug/L	97
21) tert-Butyl alcohol	2.774	59	67060	148.443 ug/L #	73
22) Diisopropyl ether	3.052	45	674968	30.914 ug/L	98
23) 1,1-Dichloroethane	3.141	63	314481M1	31.384 ug/L	
24) Halothane	3.286	117	128454M1	29.987 ug/L	

Data Path : I:\VOLATILES\Elaine\2020\200421N\
Data File : VE200421N14.D
Acq On : 21 Apr 2020 7:05 pm
Operator : ELAINE:AD
Sample : I8260STDLL30PPB
Misc : WG1363751
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 23 07:21:01 2020
Quant Method : I:\VOLATILES\Elaine\2020\200421N\Elaine_200421N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 23 07:10:35 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2020\200421N\VE200421N13.D
Sub List : 8260-CurvePenta - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	3.217	53	52981M1	31.220	ug/L		
26) Ethyl tert-butyl ether	3.495	59	576924	30.167	ug/L		87
27) Vinyl acetate	3.511	43	452497M1	30.624	ug/L		
28) cis-1,2-Dichloroethene	3.829	96	182035M1	31.706	ug/L		
29) 2,2-Dichloropropane	3.965	77	246508	31.747	ug/L		95
30) Bromochloromethane	4.107	128	80863M1	32.282	ug/L		
31) Cyclohexane	4.062	56	346967M1	32.647	ug/L		
32) Chloroform	4.263	83	272943M1	30.797	ug/L		
33) Ethyl acetate	4.508	43	142413M1	29.751	ug/L		
34) Carbon tetrachloride	4.377	117	215880	31.809	ug/L		98
35) Tetrahydrofuran	4.446	42	40012	29.488	ug/L	#	81
37) 1,1,1-Trichloroethane	4.477	97	247773	31.278	ug/L	#	98
39) 2-Butanone	4.700	43	59977	28.824	ug/L	#	83
40) 1,1-Dichloropropene	4.652	75	217011	31.297	ug/L		95
41) Benzene	4.967	78	658790	30.170	ug/L		94
42) tert-Amyl methyl ether	5.189	73	461907	30.258	ug/L		91
44) 1,2-Dichloroethane	5.231	62	210672M1	30.631	ug/L		
47) Methyl cyclohexane	5.637	83	297859M1	32.667	ug/L		
48) Trichloroethene	5.682	95	159583M1	29.831	ug/L		
50) Dibromomethane	6.138	93	83058M1	30.507	ug/L		
51) 1,2-Dichloropropane	6.252	63	178532M1	30.570	ug/L		
53) 2-Chloroethyl vinyl ether	7.012	63	100864M1	30.834	ug/L		
54) Bromodichloromethane	6.361	83	204127	30.772	ug/L		97
57) 1,4-Dioxane	6.583	88	21572M1	573.442	ug/L		
58) cis-1,3-Dichloropropene	7.020	75	264649	30.708	ug/L		99
61) Toluene	7.245	92	420038	31.553	ug/L		94
62) 4-Methyl-2-pentanone	7.660	58	55533	31.723	ug/L	#	88
63) Tetrachloroethene	7.599	166	179923	32.145	ug/L		86
65) trans-1,3-Dichloropropene	7.676	75	234697	30.947	ug/L		97
67) Ethyl methacrylate	7.863	69	186943	31.641	ug/L		99
68) 1,1,2-Trichloroethane	7.807	83	104326	29.858	ug/L		92
69) Chlorodibromomethane	7.938	129	149083	31.120	ug/L		94
70) 1,3-Dichloropropane	8.019	76	226141	30.847	ug/L		99
71) 1,2-Dibromoethane	8.097	107	125517	30.973	ug/L		98
72) 2-Hexanone	8.341	43	100270	30.697	ug/L		97
73) Chlorobenzene	8.508	112	448586	31.539	ug/L		89
74) Ethylbenzene	8.550	91	787309	32.540	ug/L		97
75) 1,1,1,2-Tetrachloroethane	8.570	131	163712	31.795	ug/L		94
76) p/m Xylene	8.659	106	623231	64.651	ug/L		92
77) o Xylene	8.942	106	585024	63.410	ug/L		87

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2020\200421N\
Data File : VE200421N14.D
Acq On : 21 Apr 2020 7:05 pm
Operator : ELAINE:AD
Sample : I8260STDLL30PPB
Misc : WG1363751
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 23 07:21:01 2020
Quant Method : I:\VOLATILES\Elaine\2020\200421N\Elaine_200421N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 23 07:10:35 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2020\200421N\VE200421N13.D
Sub List : 8260-CurvePenta - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
78) Styrene	8.979	104	985952	65.655	ug/L		88
80) Bromoform	8.984	173	92161	31.385	ug/L		94
82) Isopropylbenzene	9.151	105	801431	32.919	ug/L		95
84) Bromobenzene	9.374	156	186126	31.257	ug/L		98
85) n-Propylbenzene	9.410	91	906535	33.149	ug/L		93
86) 1,4-Dichlorobutane	9.418	55	258763	30.866	ug/L		91
87) 1,1,2,2-Tetrachloroethane	9.465	83	143870	30.421	ug/L		100
88) 4-Ethyltoluene	9.482	105	752912	32.763	ug/L		94
89) 2-Chlorotoluene	9.493	91	608601	31.876	ug/L		93
90) 1,3,5-Trimethylbenzene	9.535	105	664087	32.580	ug/L		88
91) 1,2,3-Trichloropropane	9.535	75	122299	30.466	ug/L		100
92) trans-1,4-Dichloro-2-b...	9.568	53	48029	29.838	ug/L	#	79
93) 4-Chlorotoluene	9.596	91	546918	31.669	ug/L		93
94) tert-Butylbenzene	9.721	119	655553	32.688	ug/L		91
95) Pentachloroethane	9.730	167	112550	31.833	ug/L		99
97) 1,2,4-Trimethylbenzene	9.763	105	653937	32.643	ug/L		90
98) sec-Butylbenzene	9.827	105	793855	33.504	ug/L		96
99) p-Isopropyltoluene	9.913	119	725642	33.000	ug/L		94
100) 1,3-Dichlorobenzene	9.944	146	352240	31.016	ug/L		98
101) 1,4-Dichlorobenzene	9.997	146	350936	30.859	ug/L		98
102) p-Diethylbenzene	10.125	119	421171	33.258	ug/L		94
103) n-Butylbenzene	10.155	91	628590	33.922	ug/L		95
104) 1,2-Dichlorobenzene	10.239	146	326914	30.663	ug/L		98
105) 1,2,4,5-Tetramethylben...	10.581	119	643074	31.984	ug/L		96
106) 1,2-Dibromo-3-chloropr...	10.695	155	24111	29.505	ug/L		91
107) 1,3,5-Trichlorobenzene	10.709	180	246868	31.156	ug/L		93
108) Hexachlorobutadiene	11.051	225	92432	32.659	ug/L		94
109) 1,2,4-Trichlorobenzene	11.068	180	225986	30.719	ug/L		98
110) Naphthalene	11.249	128	505330	30.733	ug/L		100
111) 1,2,3-Trichlorobenzene	11.349	180	204737	30.592	ug/L		99

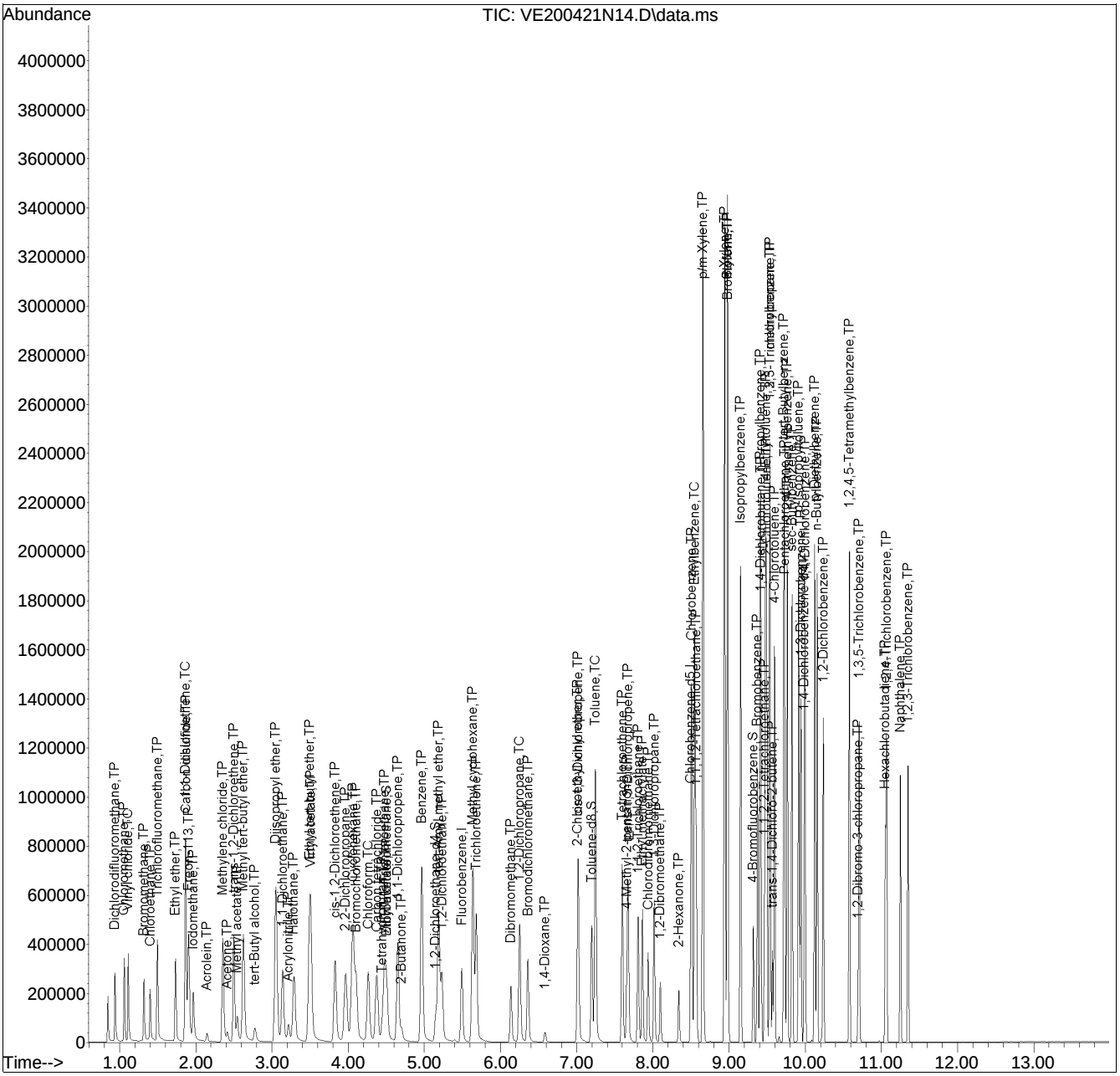
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2020\200421N\
Data File : VE200421N14.D
Acq On : 21 Apr 2020 7:05 pm
Operator : ELAINE:AD
Sample : I8260STDLL30PPB
Misc : WG1363751
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 23 07:21:01 2020
Quant Method : I:\VOLATILES\Elaine\2020\200421N\Elaine_200421N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 23 07:10:35 2020
Response via : Initial Calibration

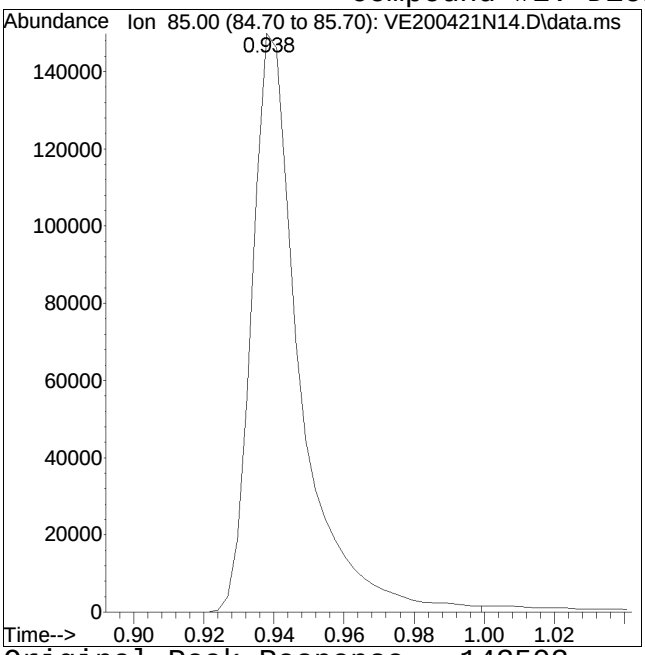
Sub List : 8260-CurvePenta - All compounds listedE200421N13.D•



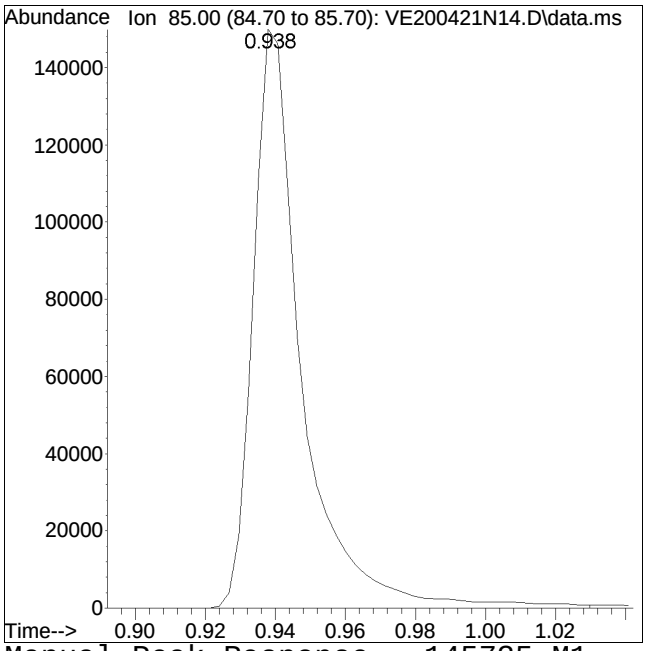
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N14.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 7:05 pm Instrument : Elaine
Sample : I8260STDLL30PPB Quant Date : 4/23/2020 7:20 am

Compound #2: Dichlorodifluoromethane



Original Peak Response = 143503



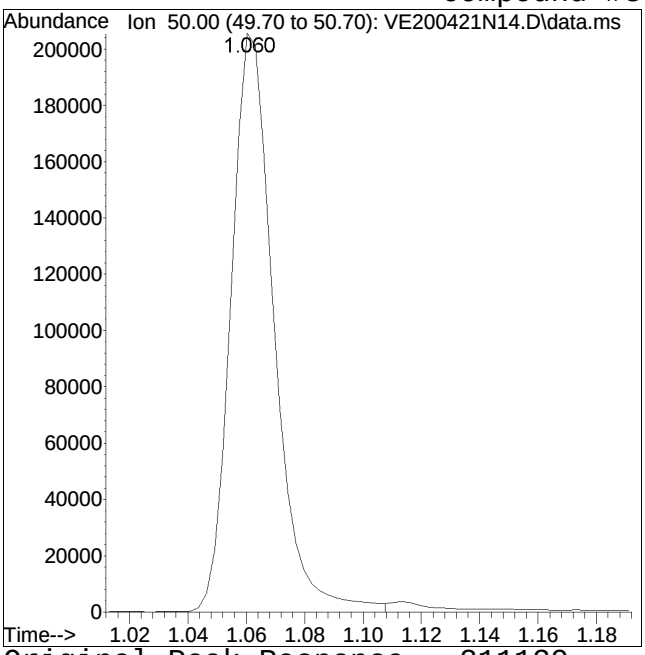
Manual Peak Response = 145735 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

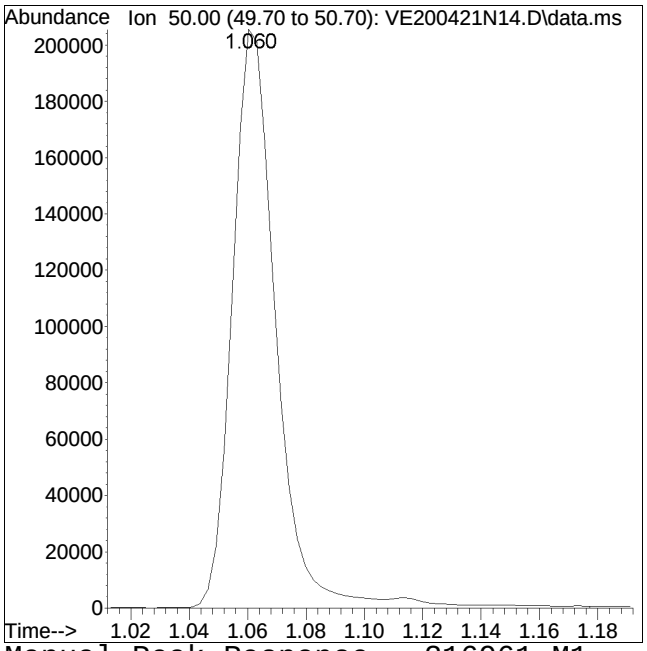
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N14.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 7:05 pm Instrument : Elaine
Sample : I8260STDLL30PPB Quant Date : 4/23/2020 7:20 am

Compound #3: Chloromethane



Original Peak Response = 211129



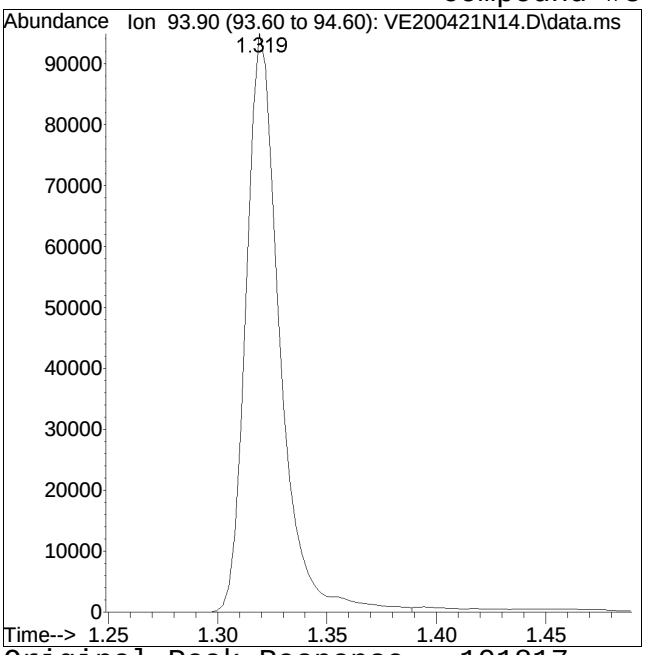
Manual Peak Response = 216961 M1

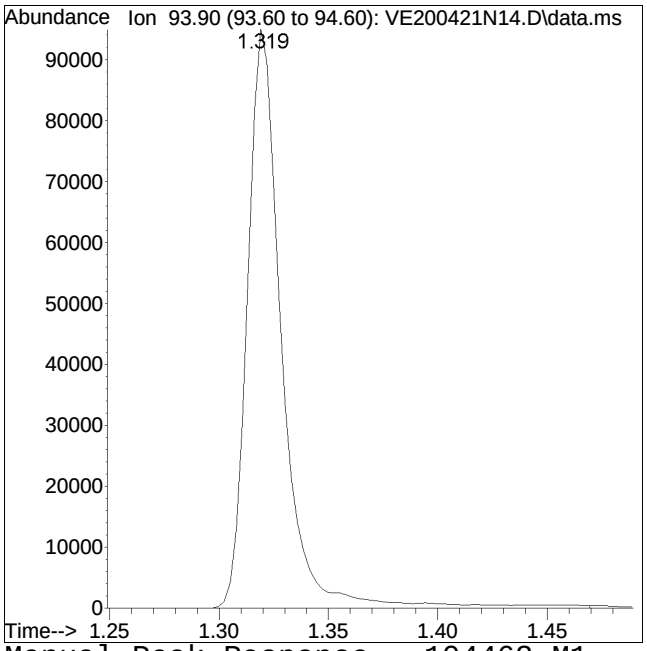
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N14.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 7:05 pm Instrument : Elaine
Sample : I8260STDLL30PPB Quant Date : 4/23/2020 7:20 am

Compound #5: Bromomethane



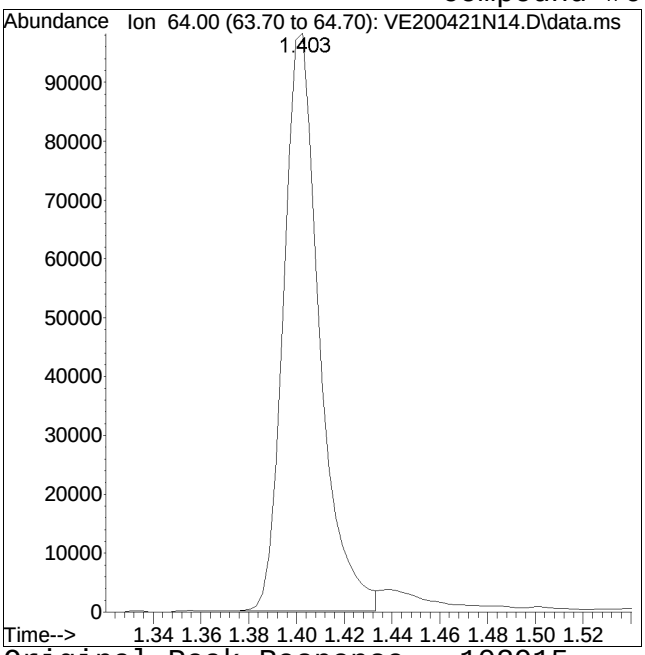


Original Peak Response = 101817 Manual Peak Response = 104462 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

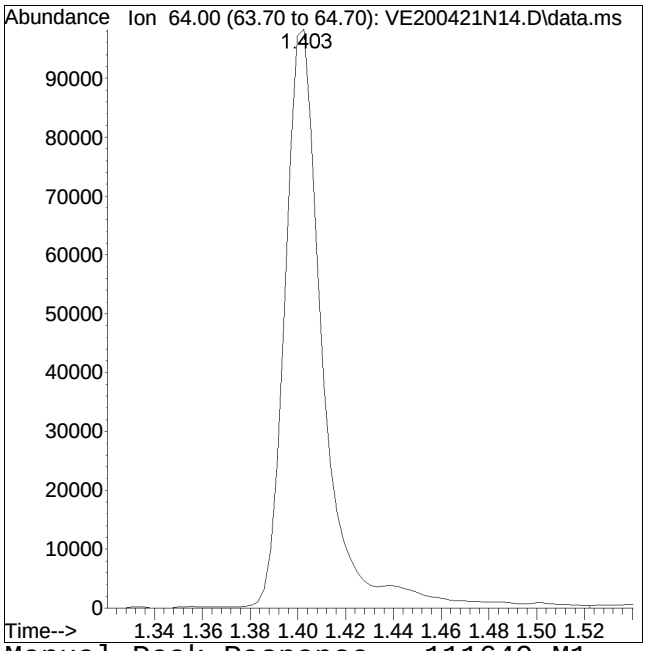
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N14.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 7:05 pm Instrument : Elaine
Sample : I8260STDLL30PPB Quant Date : 4/23/2020 7:20 am

Compound #6: Chloroethane



Original Peak Response = 102915



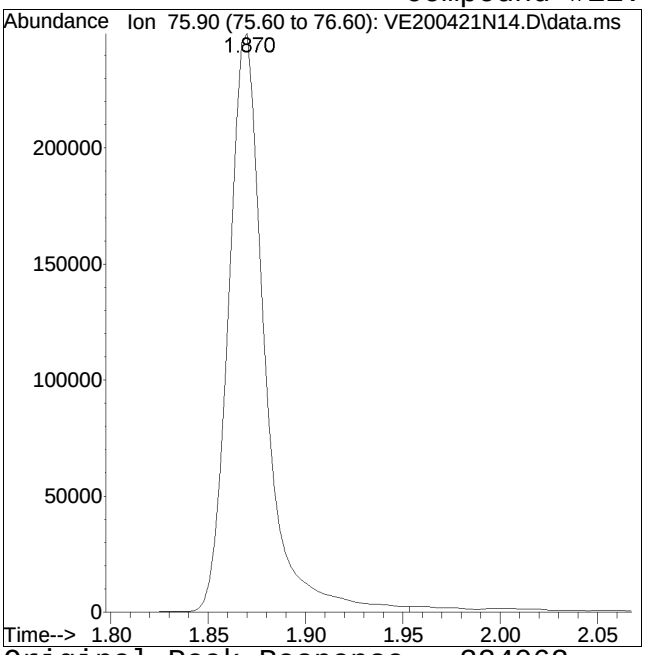
Manual Peak Response = 111640 M1

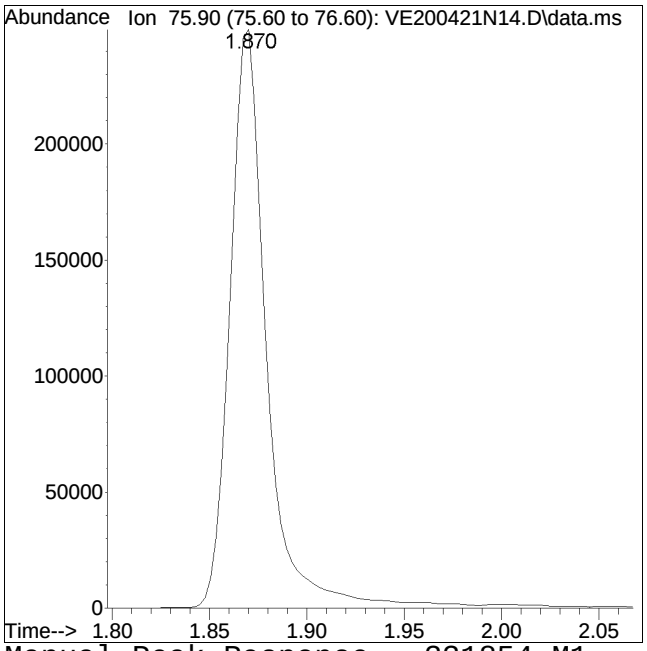
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N14.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 7:05 pm Instrument : Elaine
Sample : I8260STDLL30PPB Quant Date : 4/23/2020 7:20 am

Compound #11: Carbon disulfide



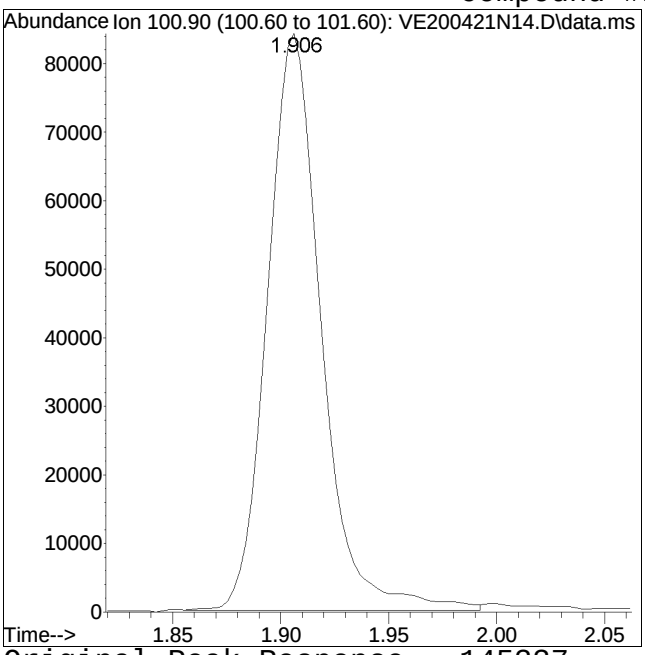


Original Peak Response = 324062 Manual Peak Response = 331854 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

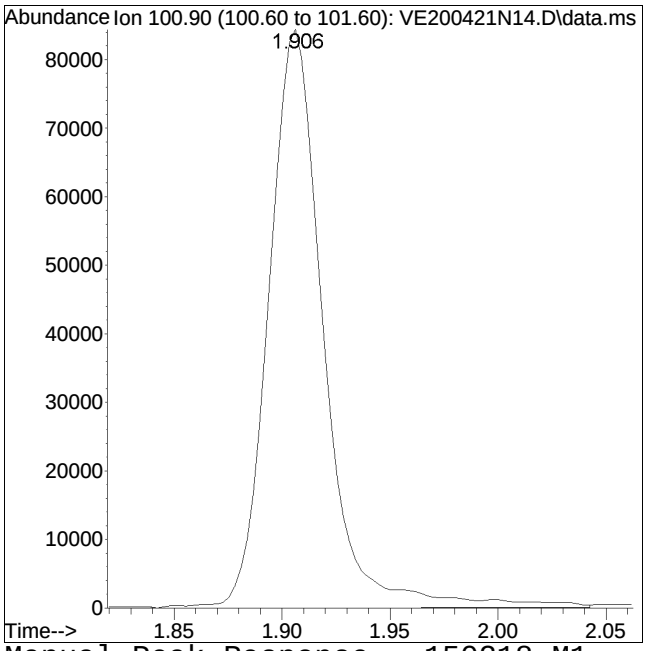
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N14.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 7:05 pm Instrument : Elaine
Sample : I8260STDLL30PPB Quant Date : 4/23/2020 7:20 am

Compound #12: Freon-113



Original Peak Response = 145337



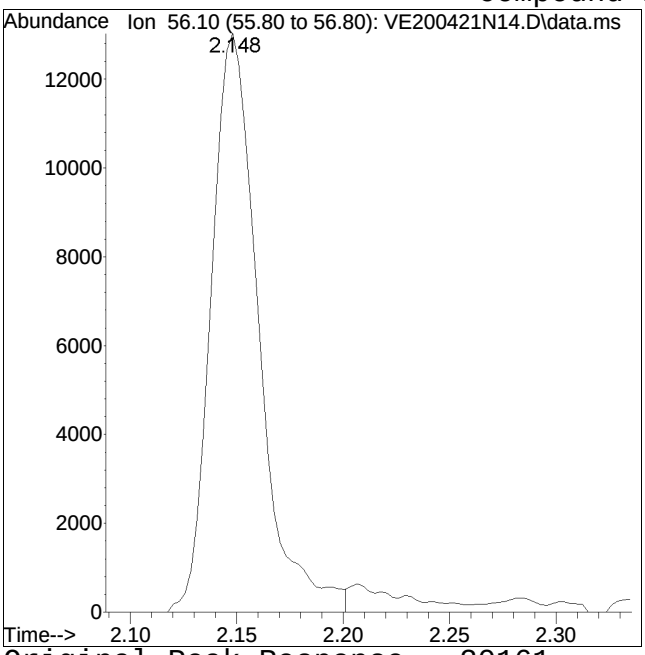
Manual Peak Response = 150218 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

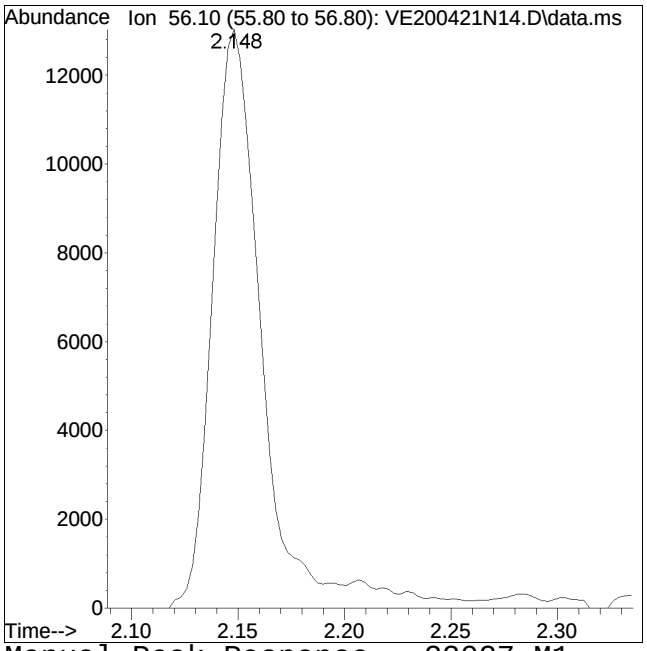
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N14.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 7:05 pm Instrument : Elaine
Sample : I8260STDLL30PPB Quant Date : 4/23/2020 7:20 am

Compound #14: Acrolein



Original Peak Response = 20161



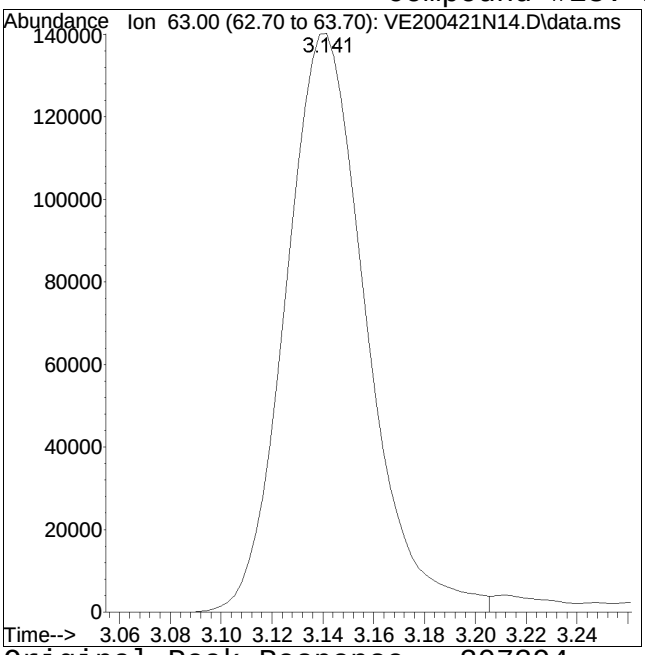
Manual Peak Response = 22027 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

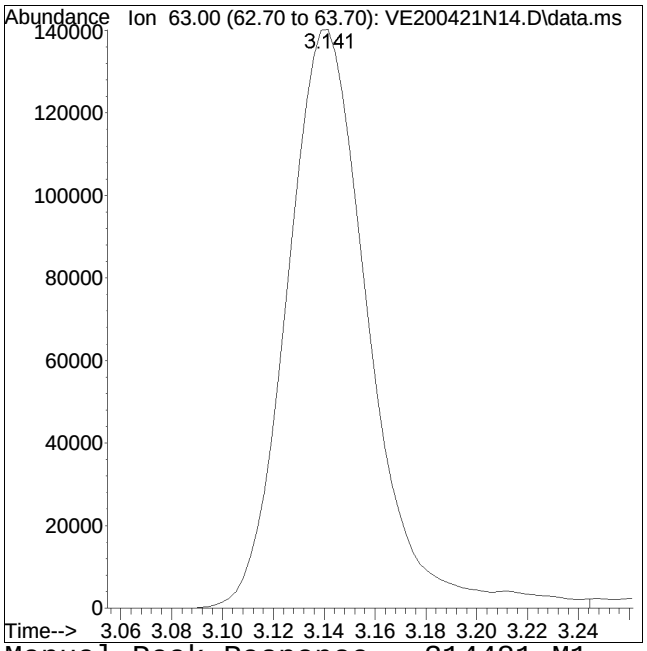
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N14.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 7:05 pm Instrument : Elaine
Sample : I8260STDLL30PPB Quant Date : 4/23/2020 7:20 am

Compound #23: 1,1-Dichloroethane



Original Peak Response = 307394



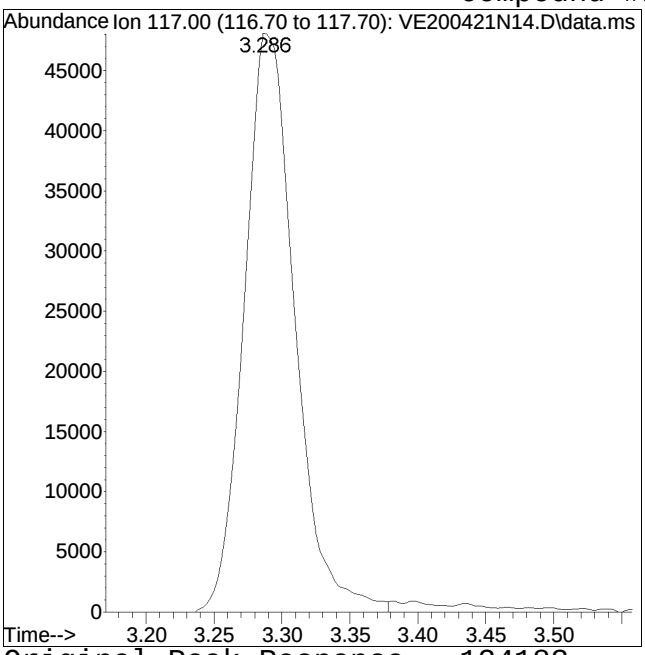
Manual Peak Response = 314481 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

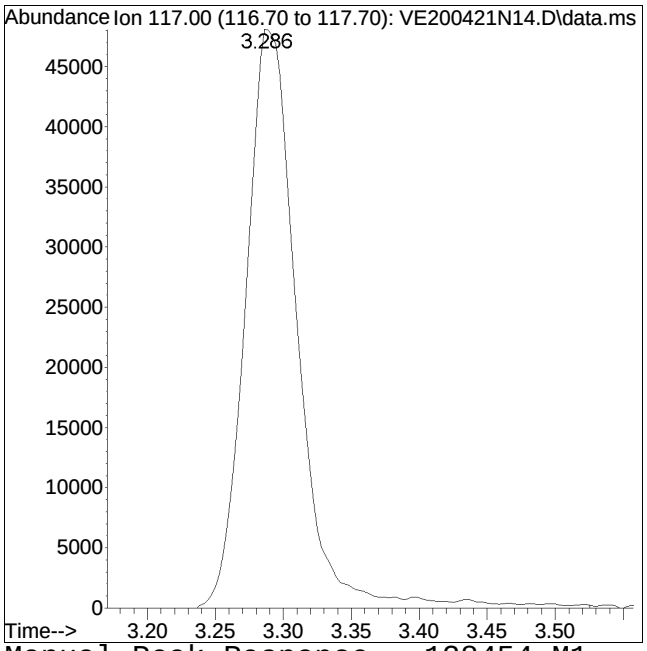
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N14.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 7:05 pm Instrument : Elaine
Sample : I8260STDLL30PPB Quant Date : 4/23/2020 7:20 am

Compound #24: Halothane



Original Peak Response = 124183



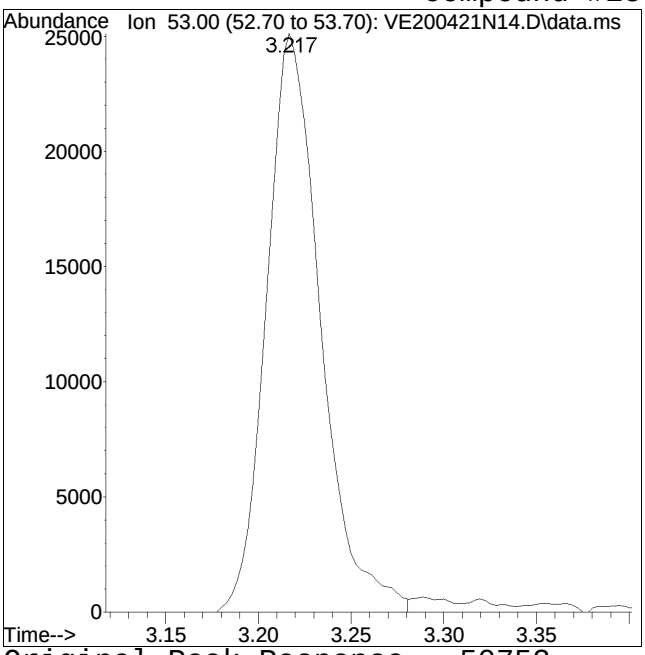
Manual Peak Response = 128454 M1

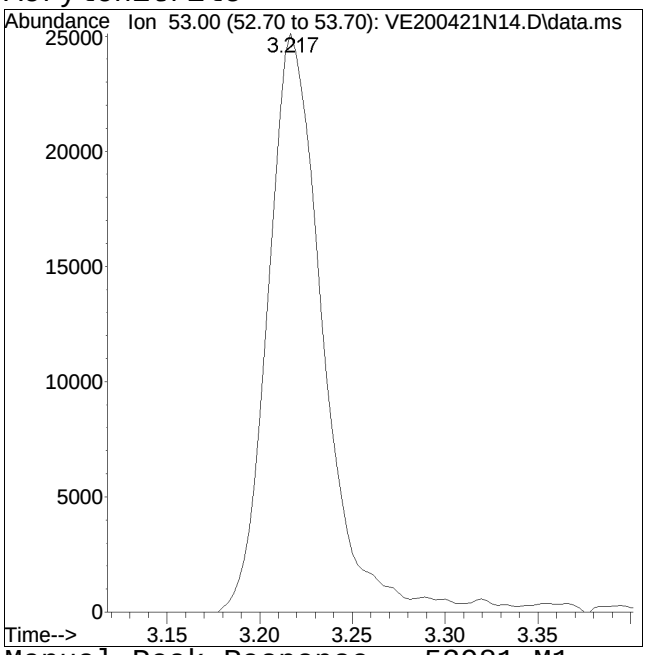
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N14.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 7:05 pm Instrument : Elaine
Sample : I8260STDLL30PPB Quant Date : 4/23/2020 7:20 am

Compound #25: Acrylonitrile



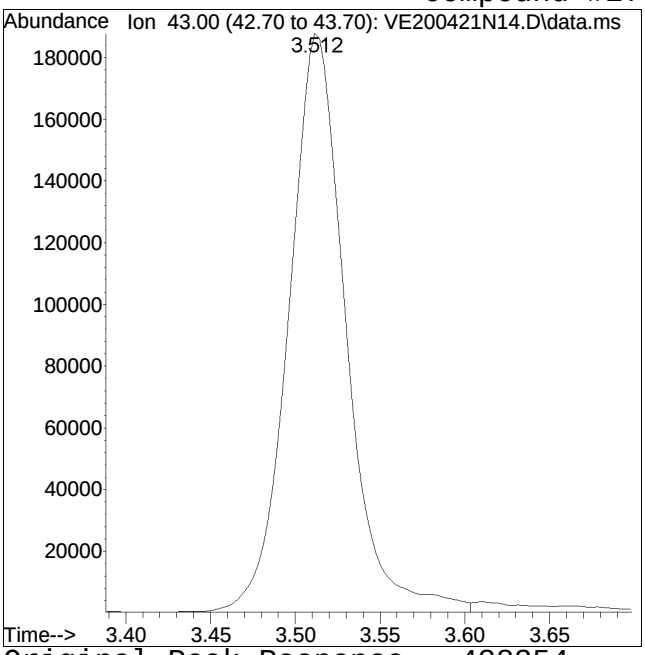


Original Peak Response = 50752 Manual Peak Response = 52981 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

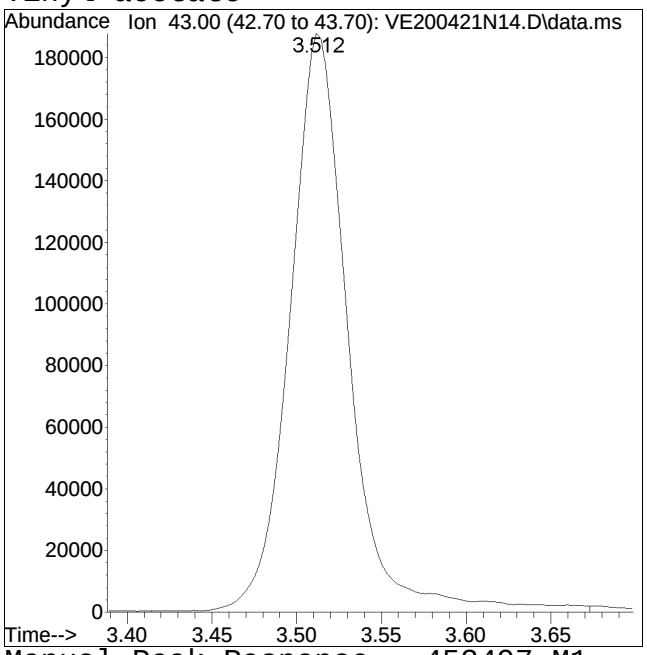
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N14.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 7:05 pm Instrument : Elaine
Sample : I8260STDLL30PPB Quant Date : 4/23/2020 7:20 am

Compound #27: Vinyl acetate



Original Peak Response = 438354



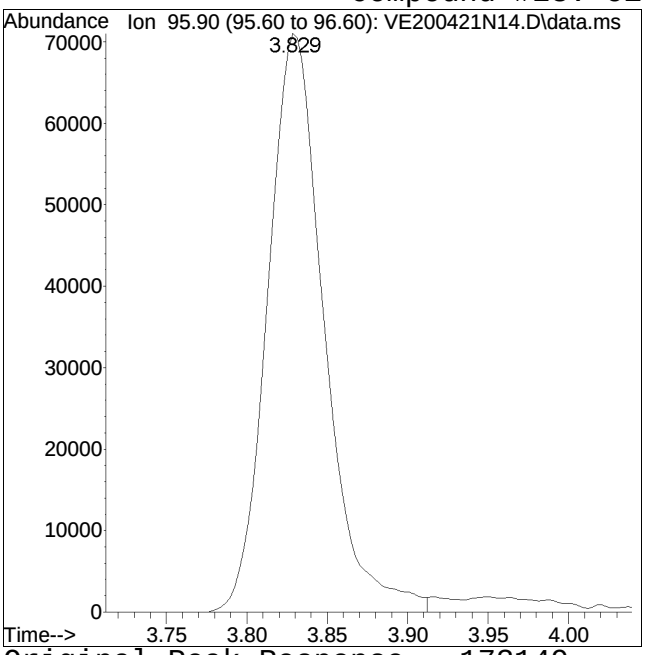
Manual Peak Response = 452497 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

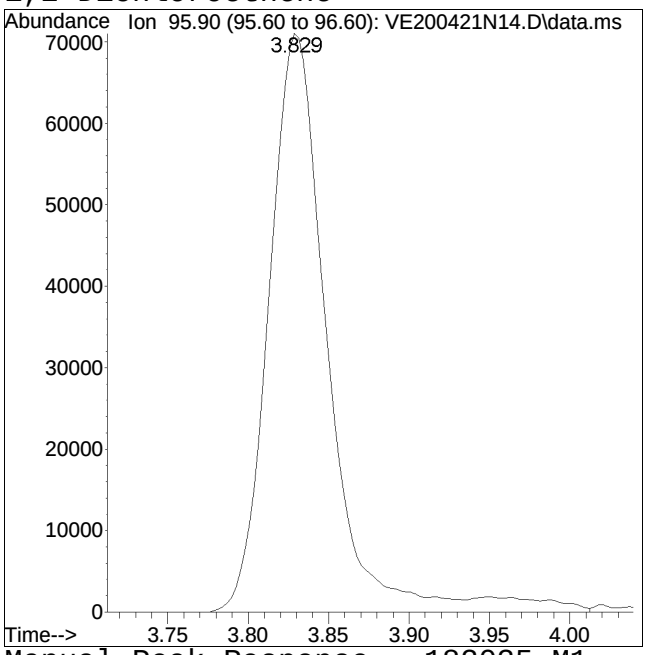
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N14.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 7:05 pm Instrument : Elaine
Sample : I8260STDLL30PPB Quant Date : 4/23/2020 7:20 am

Compound #28: cis-1,2-Dichloroethene



Original Peak Response = 173149



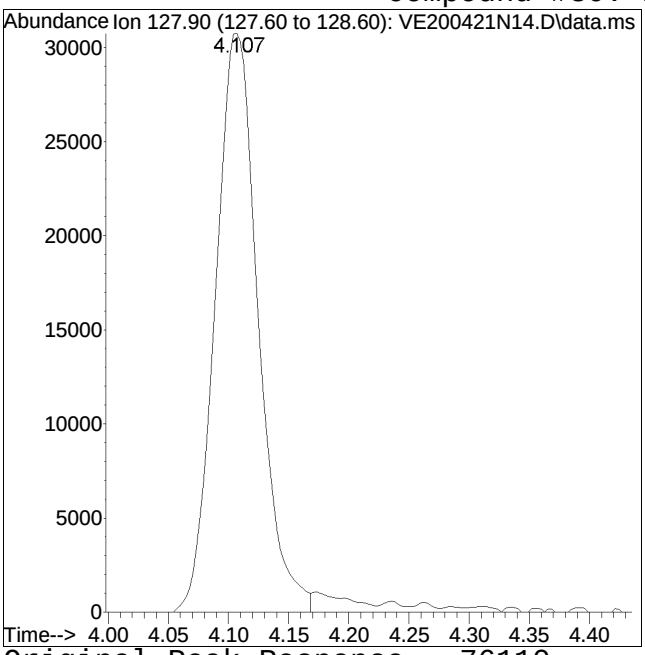
Manual Peak Response = 182035 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

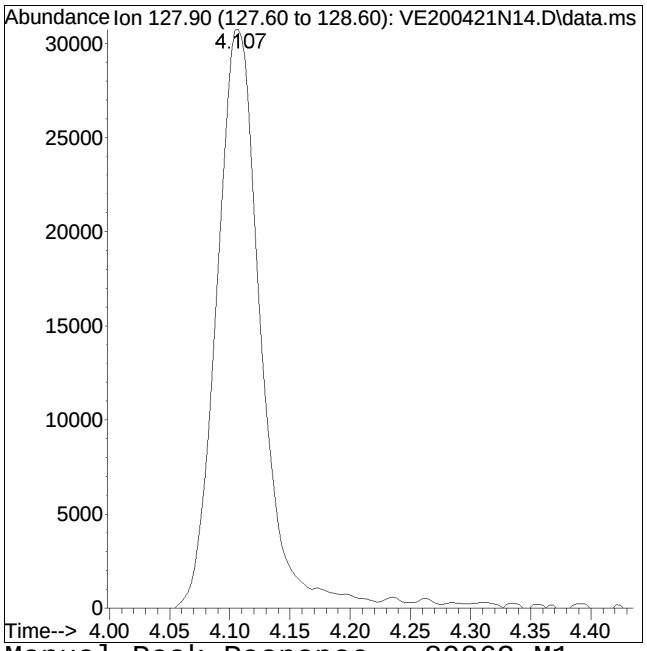
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N14.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 7:05 pm Instrument : Elaine
Sample : I8260STDLL30PPB Quant Date : 4/23/2020 7:20 am

Compound #30: Bromochloromethane



Original Peak Response = 76110



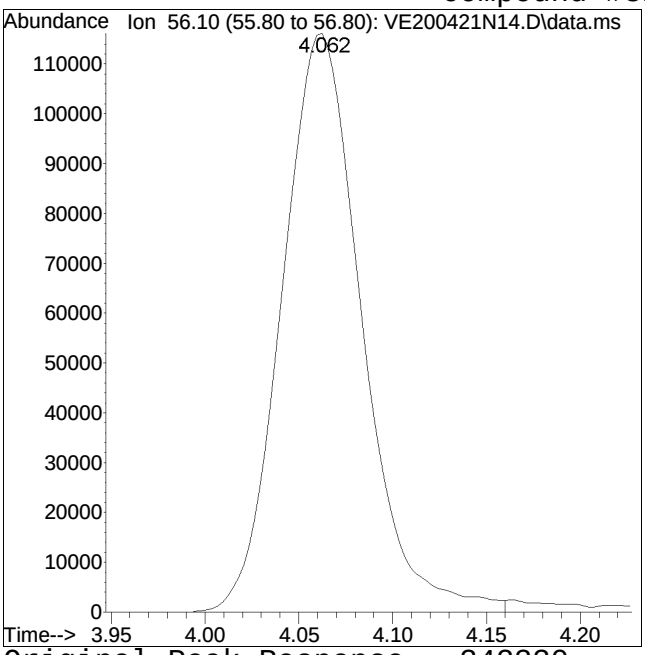
Manual Peak Response = 80863 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

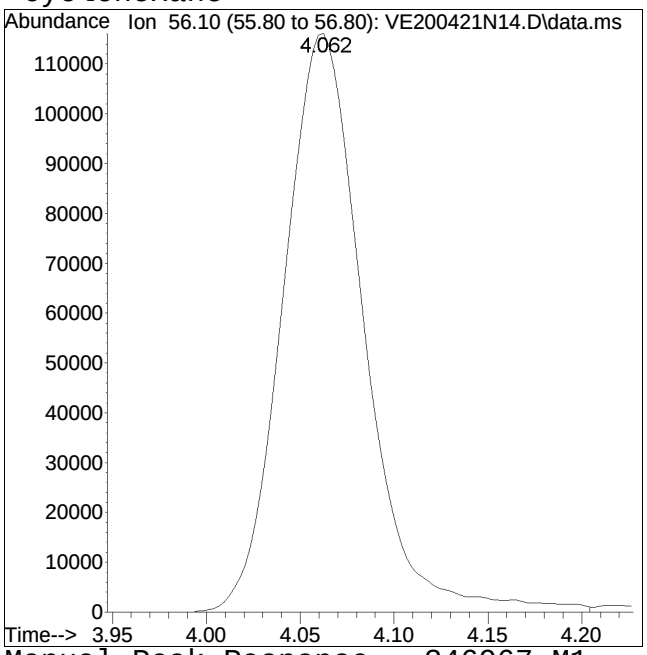
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N14.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 7:05 pm Instrument : Elaine
Sample : I8260STDLL30PPB Quant Date : 4/23/2020 7:20 am

Compound #31: Cyclohexane



Original Peak Response = 342330



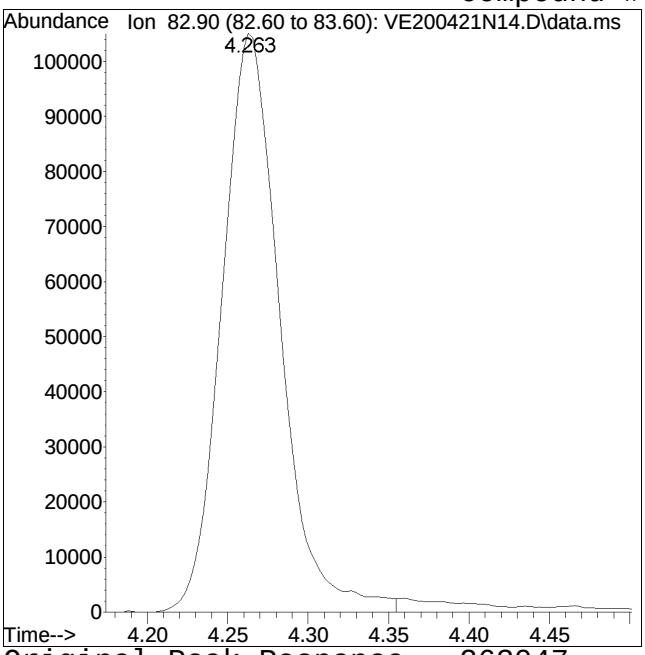
Manual Peak Response = 346967 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

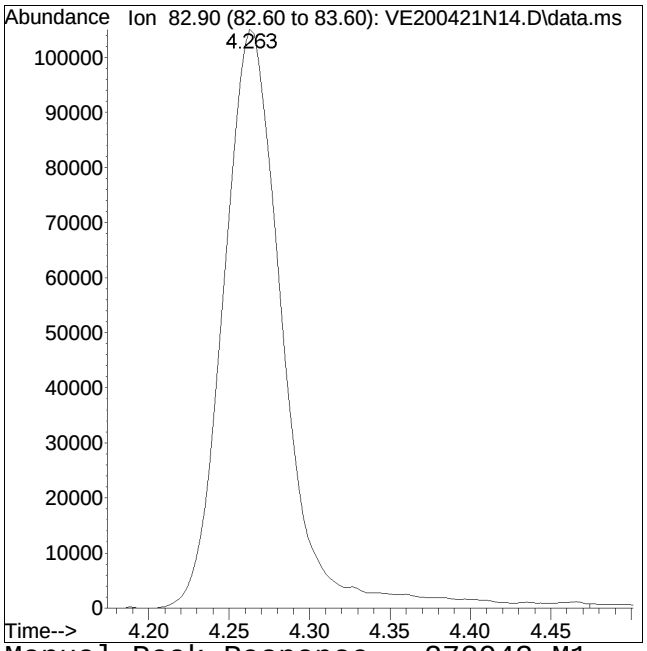
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N14.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 7:05 pm Instrument : Elaine
Sample : I8260STDLL30PPB Quant Date : 4/23/2020 7:20 am

Compound #32: Chloroform



Original Peak Response = 263047



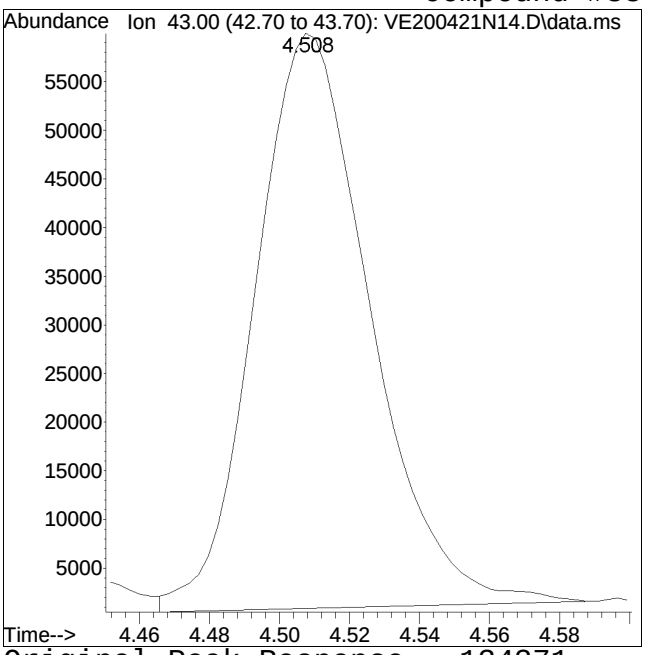
Manual Peak Response = 272943 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

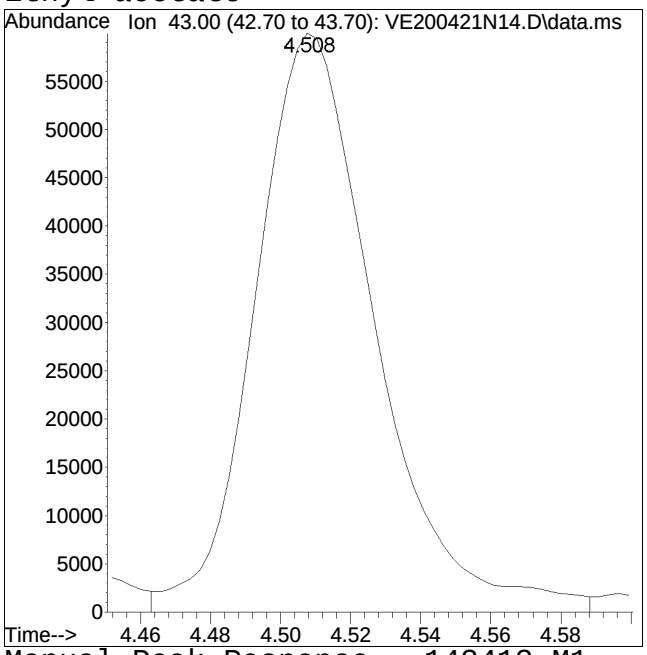
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N14.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 7:05 pm Instrument : Elaine
Sample : I8260STDLL30PPB Quant Date : 4/23/2020 7:20 am

Compound #33: Ethyl acetate



Original Peak Response = 134371



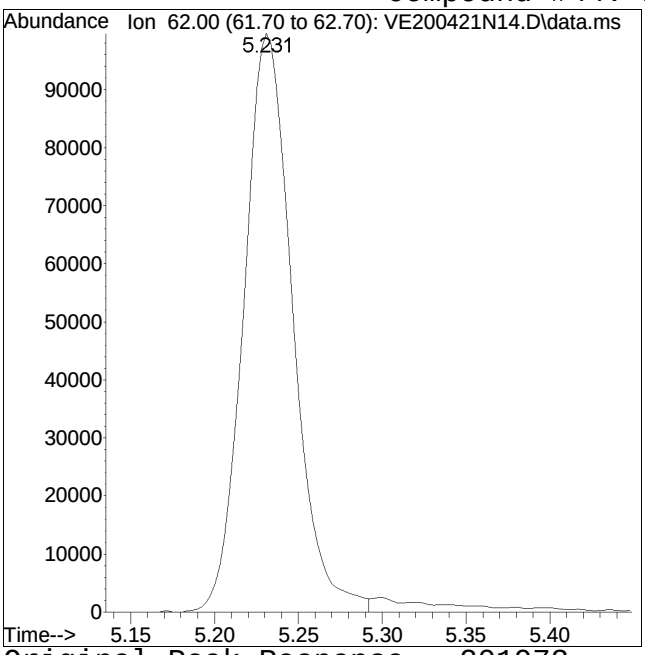
Manual Peak Response = 142413 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

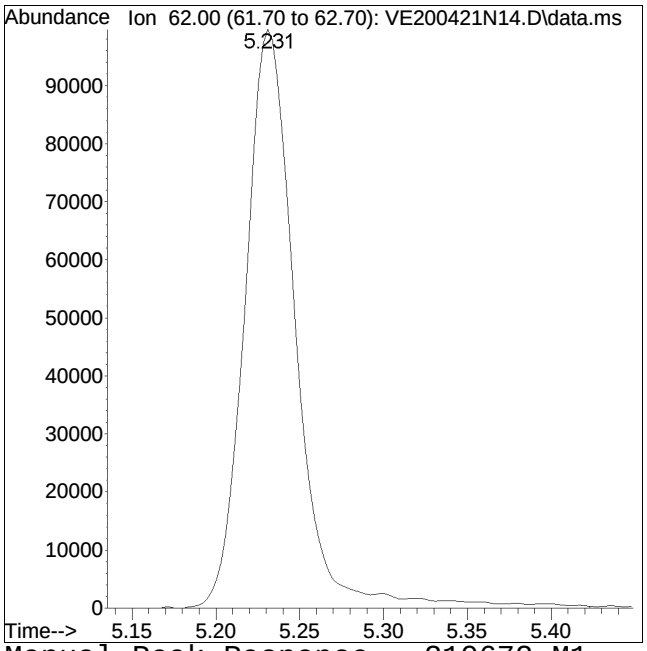
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N14.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 7:05 pm Instrument : Elaine
Sample : I8260STDLL30PPB Quant Date : 4/23/2020 7:20 am

Compound #44: 1,2-Dichloroethane



Original Peak Response = 201972



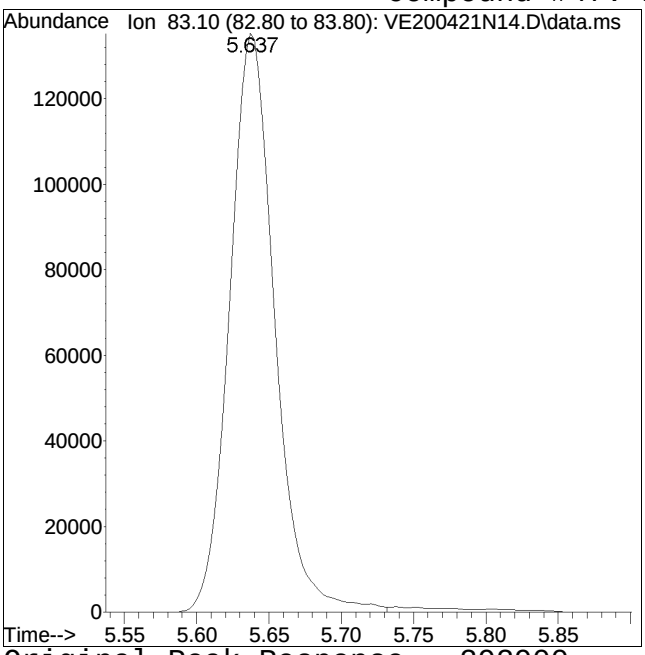
Manual Peak Response = 210672 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

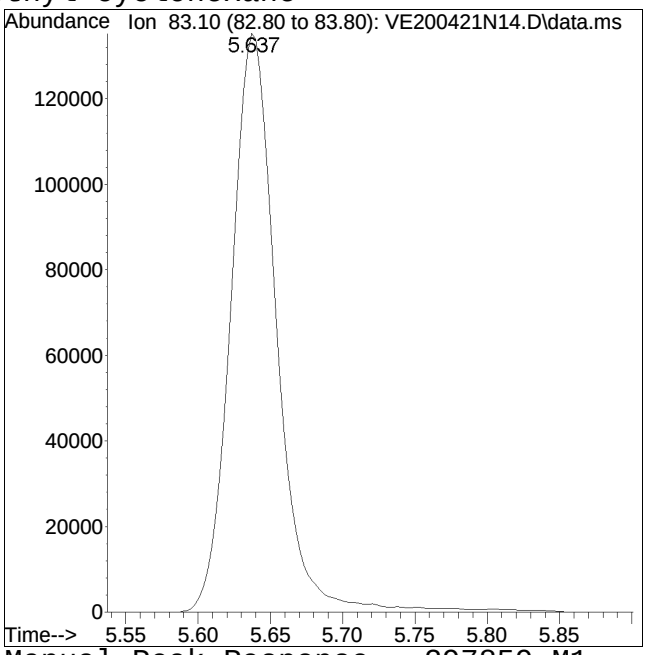
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N14.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 7:05 pm Instrument : Elaine
Sample : I8260STDLL30PPB Quant Date : 4/23/2020 7:20 am

Compound #47: Methyl cyclohexane



Original Peak Response = 292900



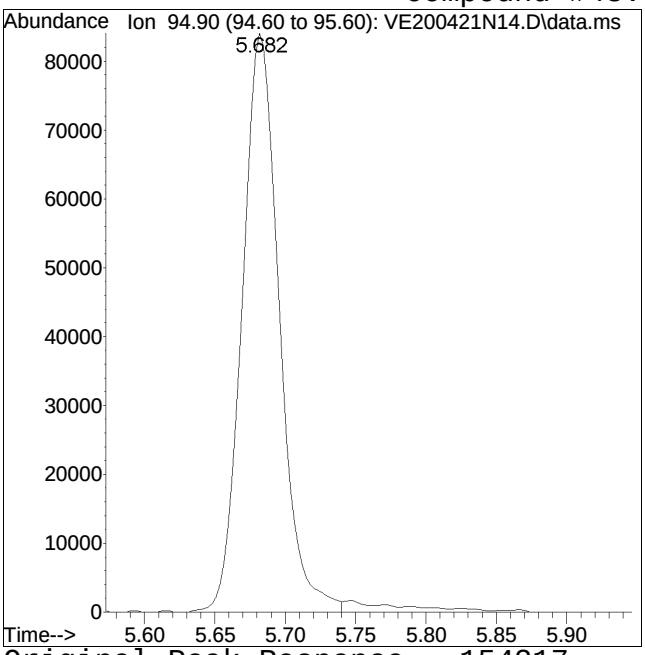
Manual Peak Response = 297859 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

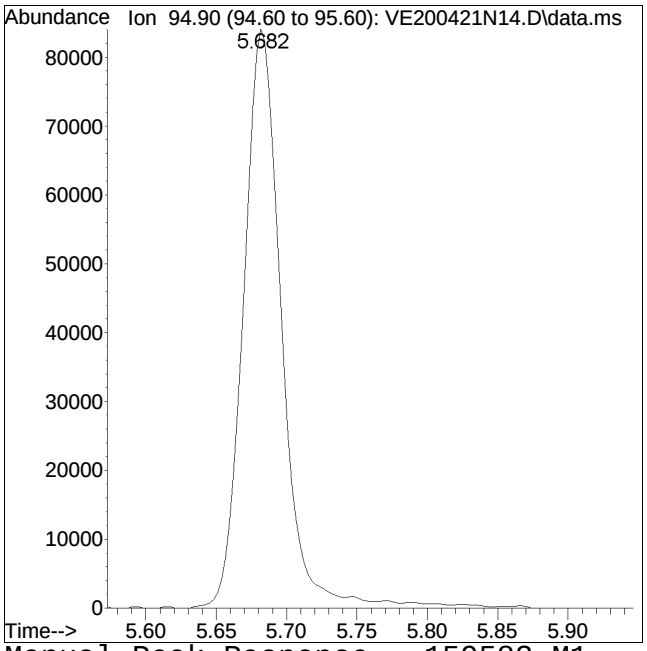
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N14.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 7:05 pm Instrument : Elaine
Sample : I8260STDLL30PPB Quant Date : 4/23/2020 7:20 am

Compound #48: Trichloroethene



Original Peak Response = 154217



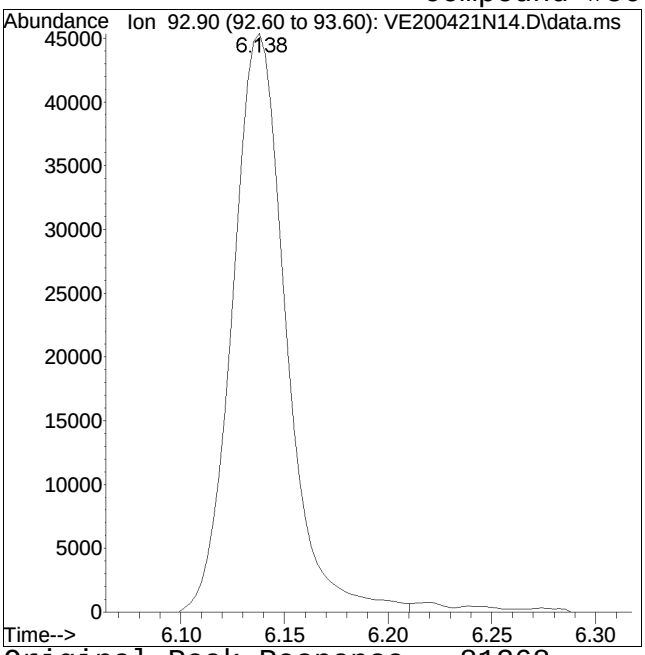
Manual Peak Response = 159583 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

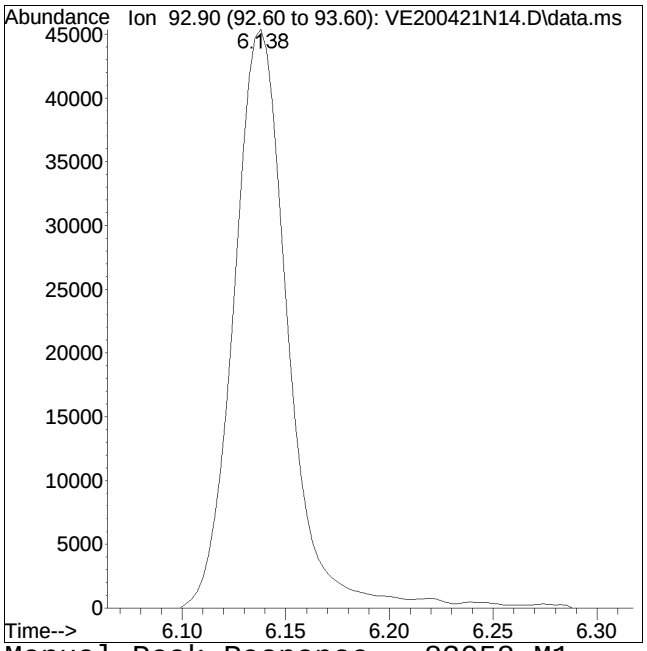
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N14.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 7:05 pm Instrument : Elaine
Sample : I8260STDLL30PPB Quant Date : 4/23/2020 7:20 am

Compound #50: Dibromomethane



Original Peak Response = 81268



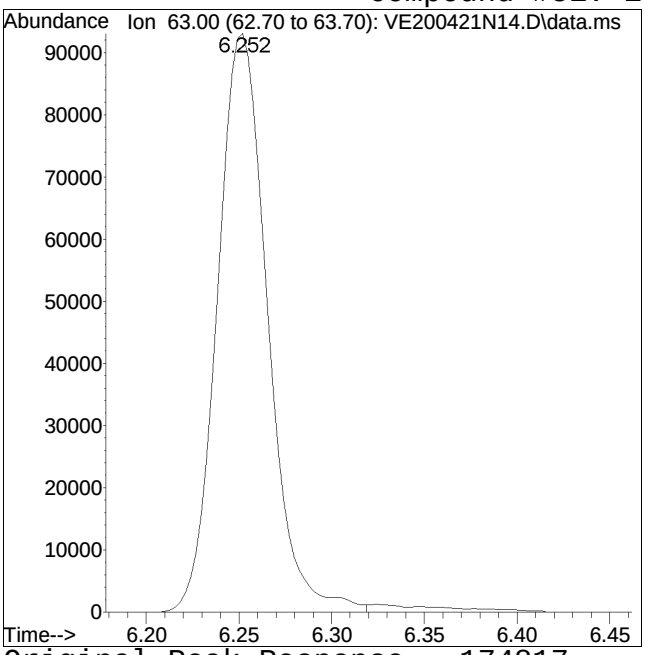
Manual Peak Response = 83058 M1

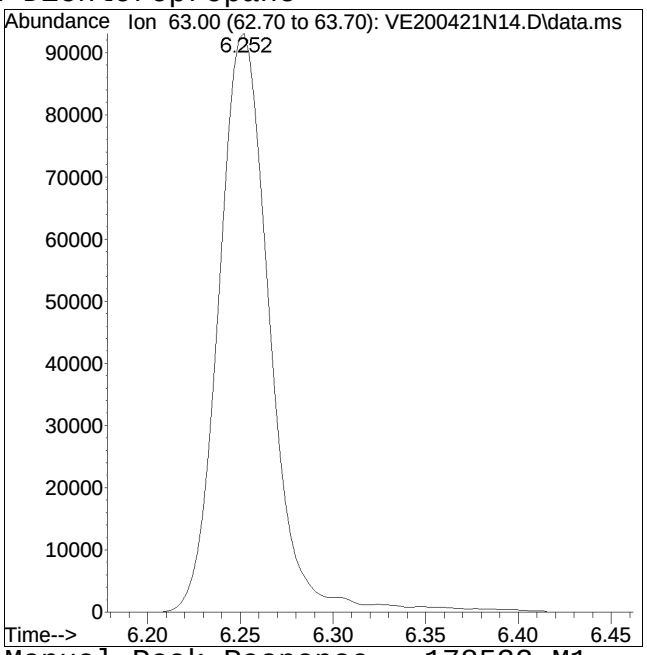
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N14.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 7:05 pm Instrument : Elaine
Sample : I8260STDLL30PPB Quant Date : 4/23/2020 7:20 am

Compound #51: 1,2-Dichloropropane



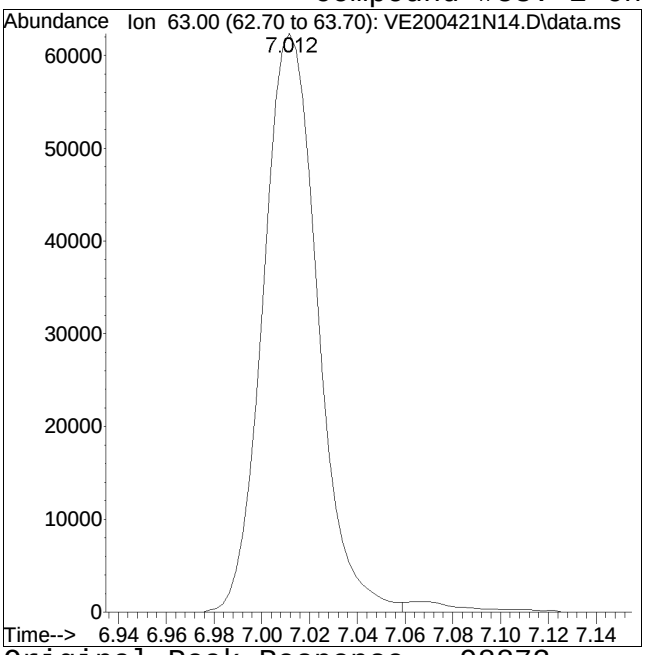


Original Peak Response = 174817 Manual Peak Response = 178532 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

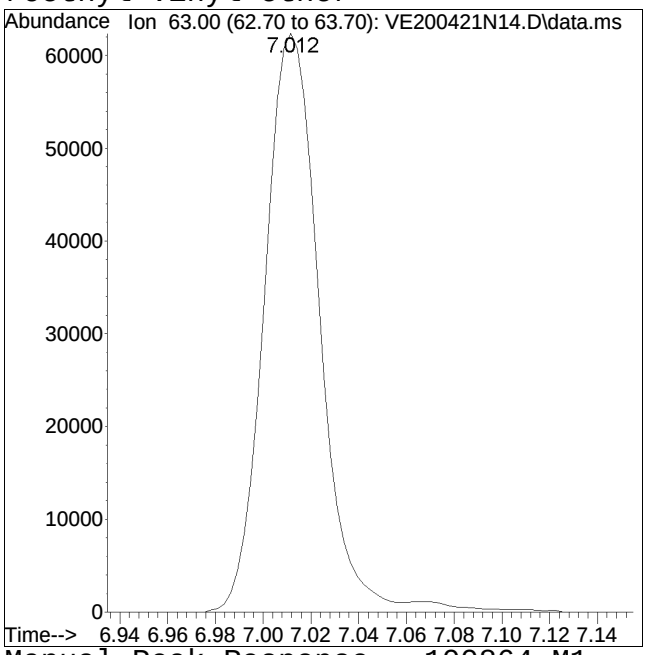
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N14.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 7:05 pm Instrument : Elaine
Sample : I8260STDLL30PPB Quant Date : 4/23/2020 7:20 am

Compound #53: 2-Chloroethyl vinyl ether



Original Peak Response = 98873



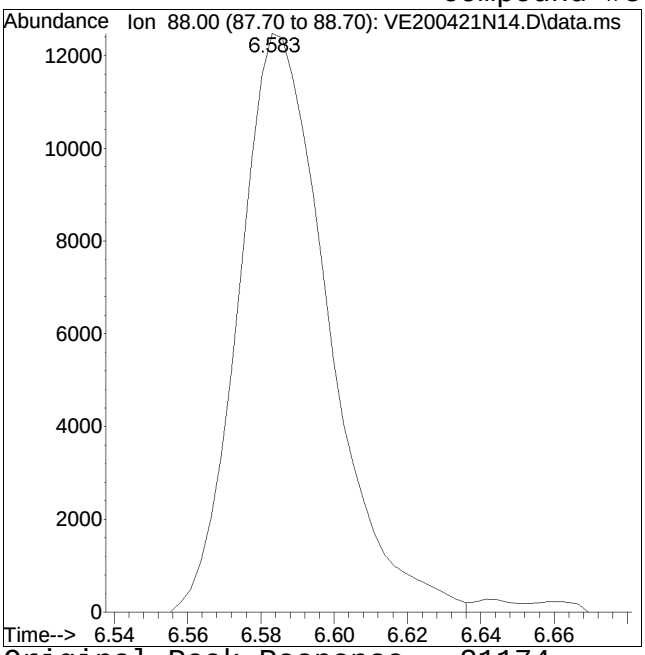
Manual Peak Response = 100864 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

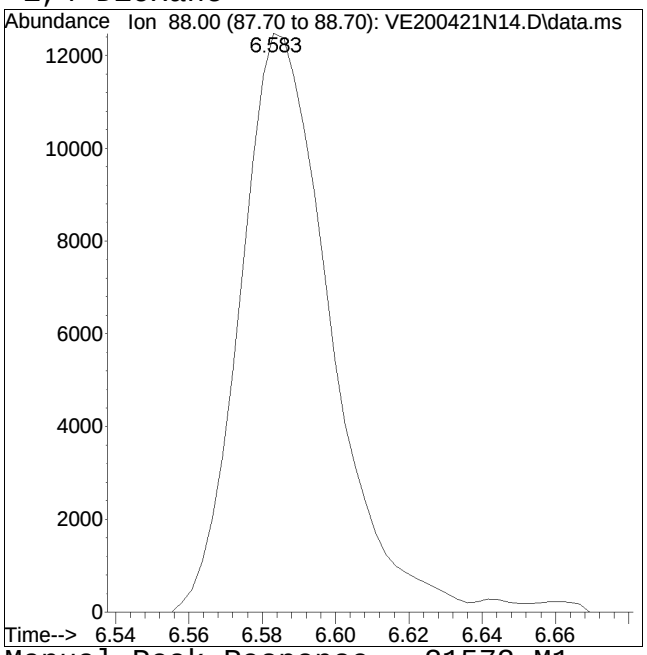
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N14.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 7:05 pm Instrument : Elaine
Sample : I8260STDLL30PPB Quant Date : 4/23/2020 7:20 am

Compound #57: 1,4-Dioxane



Original Peak Response = 21174



Manual Peak Response = 21572 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2020\200421N\
Data File : VE200421N15.D
Acq On : 21 Apr 2020 7:26 pm
Operator : ELAINE:AD
Sample : I8260STDLL80PPB
Misc : WG1363751
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 23 07:21:12 2020
Quant Method : I:\VOLATILES\Elaine\2020\200421N\Elaine_200421N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 23 07:10:35 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2020\200421N\VE200421N13.D
Sub List : 8260-CurvePenta - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.492	96	270082	10.000	ug/L	0.00
Standard Area 1 = 258855			Recovery = 104.34%			
59) Chlorobenzene-d5	8.497	117	200753	10.000	ug/L	0.00
Standard Area 1 = 197747			Recovery = 101.52%			
79) 1,4-Dichlorobenzene-d4	9.988	152	103521	10.000	ug/L	0.00
Standard Area 1 = 100890			Recovery = 102.61%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.505	113	65099	10.145	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.45%			
43) 1,2-Dichloroethane-d4	5.150	65	74518	9.799	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.99%			
60) Toluene-d8	7.198	98	272913	10.064	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.64%			
83) 4-Bromofluorobenzene	9.321	95	99447	10.021	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.21%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.938	85	383647	86.649	ug/L	100
3) Chloromethane	1.060	50	555380M1	82.483	ug/L	
4) Vinyl chloride	1.113	62	523365	84.480	ug/L	97
5) Bromomethane	1.319	94	270891M1	81.200	ug/L	
6) Chloroethane	1.400	64	297003M1	83.184	ug/L	
7) Trichlorofluoromethane	1.494	101	605734M1	89.790	ug/L	
8) Ethyl ether	1.736	74	237692M1	80.947	ug/L	
10) 1,1-Dichloroethene	1.862	96	392976M1	88.190	ug/L	
11) Carbon disulfide	1.867	76	867708	85.671	ug/L	100
12) Freon-113	1.903	101	410668M1	90.267	ug/L	
13) Iodomethane	1.967	142	523926M1	92.388	ug/L	
14) Acrolein	2.148	56	57335M1	79.507	ug/L	
15) Methylene chloride	2.354	84	405913M1	79.787	ug/L	
17) Acetone	2.415	43	91682	74.493	ug/L	98
18) trans-1,2-Dichloroethene	2.499	96	386929	86.706	ug/L	84
19) Methyl acetate	2.543	43	275298	74.535	ug/L #	98
20) Methyl tert-butyl ether	2.624	73	1110862	80.552	ug/L	98
21) tert-Butyl alcohol	2.780	59	180131	407.517	ug/L #	65
22) Diisopropyl ether	3.052	45	1745984	81.729	ug/L	98
23) 1,1-Dichloroethane	3.141	63	819138	83.549	ug/L	100
24) Halothane	3.289	117	342118M1	81.625	ug/L	

Data Path : I:\VOLATILES\Elaine\2020\200421N\
Data File : VE200421N15.D
Acq On : 21 Apr 2020 7:26 pm
Operator : ELAINE:AD
Sample : I8260STDLL80PPB
Misc : WG1363751
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 23 07:21:12 2020
Quant Method : I:\VOLATILES\Elaine\2020\200421N\Elaine_200421N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 23 07:10:35 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2020\200421N\VE200421N13.D
Sub List : 8260-CurvePenta - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	3.216	53	134821	81.196	ug/L		93
26) Ethyl tert-butyl ether	3.495	59	1523897	81.438	ug/L		86
27) Vinyl acetate	3.511	43	1212634M1	83.877	ug/L		
28) cis-1,2-Dichloroethene	3.829	96	480766M1	85.582	ug/L		
29) 2,2-Dichloropropane	3.965	77	664147M1	87.417	ug/L		
30) Bromochloromethane	4.107	128	211252M1	86.195	ug/L		
31) Cyclohexane	4.062	56	925876M1	89.036	ug/L		
32) Chloroform	4.263	83	702636	81.026	ug/L		98
33) Ethyl acetate	4.507	43	377957M1	80.697	ug/L		
34) Carbon tetrachloride	4.374	117	577773	87.008	ug/L		98
35) Tetrahydrofuran	4.441	42	105643	79.572	ug/L	#	77
37) 1,1,1-Trichloroethane	4.477	97	660529	85.219	ug/L	#	96
39) 2-Butanone	4.699	43	155676	76.464	ug/L	#	80
40) 1,1-Dichloropropene	4.652	75	593652M1	87.501	ug/L		
41) Benzene	4.967	78	1749415	81.880	ug/L		94
42) tert-Amyl methyl ether	5.189	73	1215578M1	81.382	ug/L		
44) 1,2-Dichloroethane	5.231	62	552702M1	82.132	ug/L		
47) Methyl cyclohexane	5.637	83	804721M1	90.199	ug/L		
48) Trichloroethene	5.682	95	430924M1	82.327	ug/L		
50) Dibromomethane	6.138	93	213926	80.305	ug/L		89
51) 1,2-Dichloropropane	6.252	63	465087	81.390	ug/L		94
53) 2-Chloroethyl vinyl ether	7.011	63	260426	81.365	ug/L		96
54) Bromodichloromethane	6.358	83	537119	82.754	ug/L		99
57) 1,4-Dioxane	6.586	88	28082	762.938	ug/L	#	87
58) cis-1,3-Dichloropropene	7.020	75	706968	83.838	ug/L		99
61) Toluene	7.248	92	1109655	83.595	ug/L		94
62) 4-Methyl-2-pentanone	7.660	58	144373	82.709	ug/L	#	89
63) Tetrachloroethene	7.599	166	477643	85.580	ug/L		86
65) trans-1,3-Dichloropropene	7.676	75	618952	81.847	ug/L		96
67) Ethyl methacrylate	7.863	69	493038	83.688	ug/L		98
68) 1,1,2-Trichloroethane	7.807	83	277101	79.534	ug/L		93
69) Chlorodibromomethane	7.938	129	398688	83.461	ug/L		94
70) 1,3-Dichloropropane	8.019	76	585839	80.141	ug/L		98
71) 1,2-Dibromoethane	8.097	107	328284	81.241	ug/L		99
72) 2-Hexanone	8.341	43	262566	80.612	ug/L		96
73) Chlorobenzene	8.508	112	1165862	82.205	ug/L		89
74) Ethylbenzene	8.550	91	2033829	84.301	ug/L		96
75) 1,1,1,2-Tetrachloroethane	8.570	131	425384	82.852	ug/L		94
76) p/m Xylene	8.659	106	1631342	169.712	ug/L		89
77) o Xylene	8.942	106	1532442	166.575	ug/L		83

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2020\200421N\
Data File : VE200421N15.D
Acq On : 21 Apr 2020 7:26 pm
Operator : ELAINE:AD
Sample : I8260STDLL80PPB
Misc : WG1363751
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 23 07:21:12 2020
Quant Method : I:\VOLATILES\Elaine\2020\200421N\Elaine_200421N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 23 07:10:35 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2020\200421N\VE200421N13.D
Sub List : 8260-CurvePenta - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
78) Styrene	8.981	104	2533712	169.205	ug/L		89
80) Bromoform	8.984	173	248616	84.779	ug/L		96
82) Isopropylbenzene	9.151	105	2064266	84.903	ug/L		94
84) Bromobenzene	9.374	156	482242	81.094	ug/L		97
85) n-Propylbenzene	9.413	91	2319922	84.947	ug/L		92
86) 1,4-Dichlorobutane	9.421	55	664111	79.323	ug/L		91
87) 1,1,2,2-Tetrachloroethane	9.468	83	374407	79.275	ug/L		100
88) 4-Ethyltoluene	9.482	105	1964106	85.583	ug/L		94
89) 2-Chlorotoluene	9.493	91	1567591	82.213	ug/L		93
90) 1,3,5-Trimethylbenzene	9.538	105	1701640	83.593	ug/L	#	86
91) 1,2,3-Trichloropropane	9.535	75	314053	78.340	ug/L		99
92) trans-1,4-Dichloro-2-b...	9.568	53	129510	80.567	ug/L	#	79
93) 4-Chlorotoluene	9.599	91	1420848	82.385	ug/L		92
94) tert-Butylbenzene	9.721	119	1691041	84.433	ug/L		91
95) Pentachloroethane	9.730	167	296929	84.094	ug/L		97
97) 1,2,4-Trimethylbenzene	9.766	105	1685752	84.262	ug/L		89
98) sec-Butylbenzene	9.827	105	2038339	86.141	ug/L		95
99) p-Isopropyltoluene	9.916	119	1879049	85.569	ug/L		93
100) 1,3-Dichlorobenzene	9.944	146	918569	80.992	ug/L		99
101) 1,4-Dichlorobenzene	9.997	146	916811	80.728	ug/L		98
102) p-Diethylbenzene	10.125	119	1094706	86.561	ug/L		94
103) n-Butylbenzene	10.158	91	1628158	87.982	ug/L		94
104) 1,2-Dichlorobenzene	10.239	146	849456	79.781	ug/L		98
105) 1,2,4,5-Tetramethylben...	10.581	119	1694864	84.408	ug/L		96
106) 1,2-Dibromo-3-chloropr...	10.695	155	65911	80.764	ug/L		91
107) 1,3,5-Trichlorobenzene	10.709	180	655456	82.833	ug/L		93
108) Hexachlorobutadiene	11.054	225	238213	84.282	ug/L		96
109) 1,2,4-Trichlorobenzene	11.068	180	606475	82.551	ug/L		99
110) Naphthalene	11.249	128	1354800	82.506	ug/L		100
111) 1,2,3-Trichlorobenzene	11.352	180	555828	83.164	ug/L		99

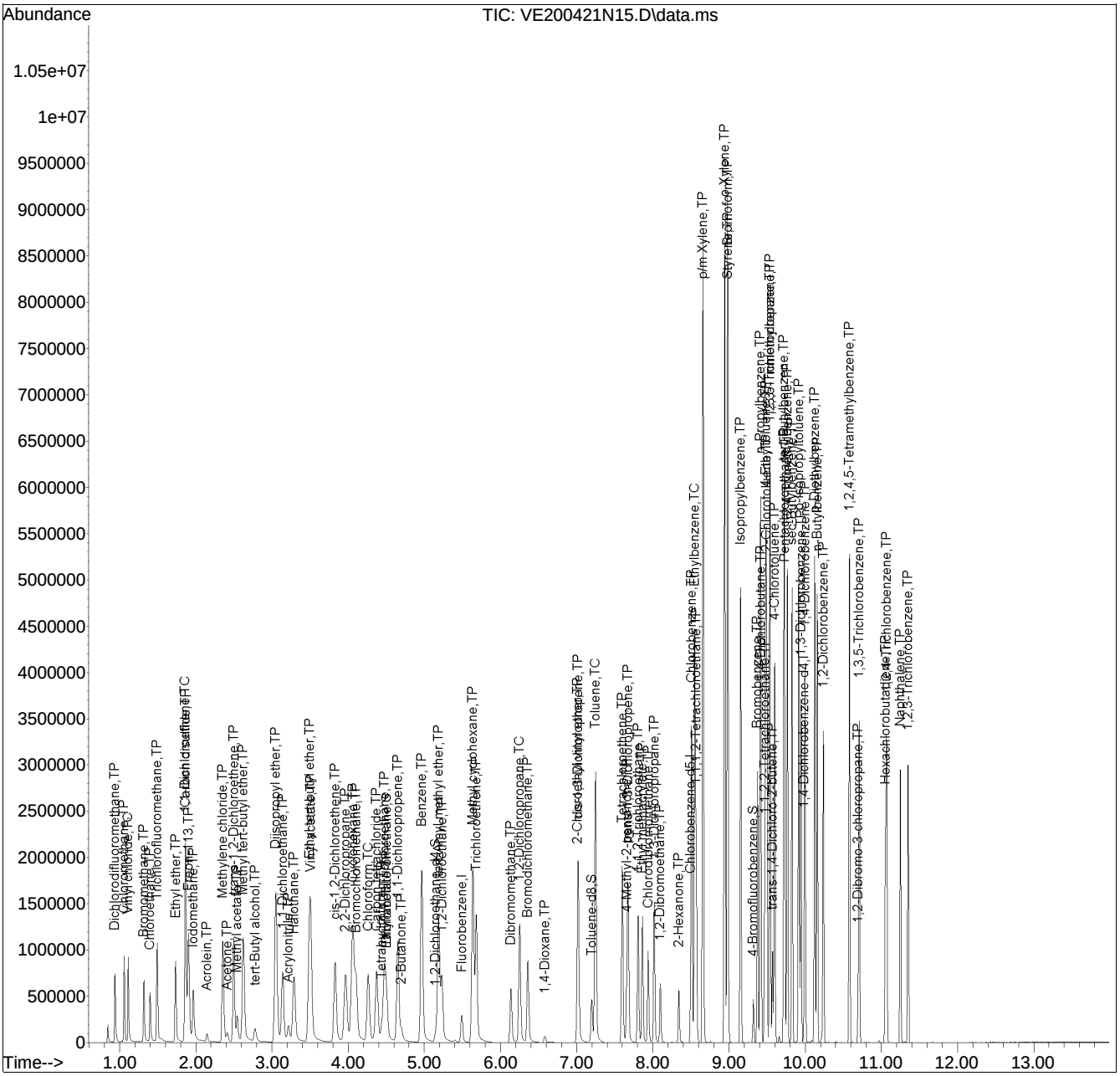
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2020\200421N\
Data File : VE200421N15.D
Acq On : 21 Apr 2020 7:26 pm
Operator : ELAINE:AD
Sample : I8260STDLL80PPB
Misc : WG1363751
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 23 07:21:12 2020
Quant Method : I:\VOLATILES\Elaine\2020\200421N\Elaine_200421N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 23 07:10:35 2020
Response via : Initial Calibration

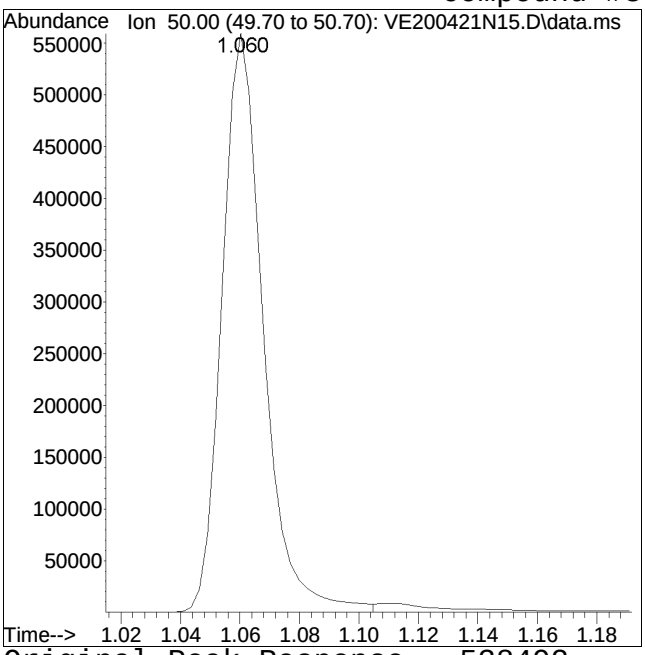
Sub List : 8260-CurvePenta - All compounds listedE200421N13.D•



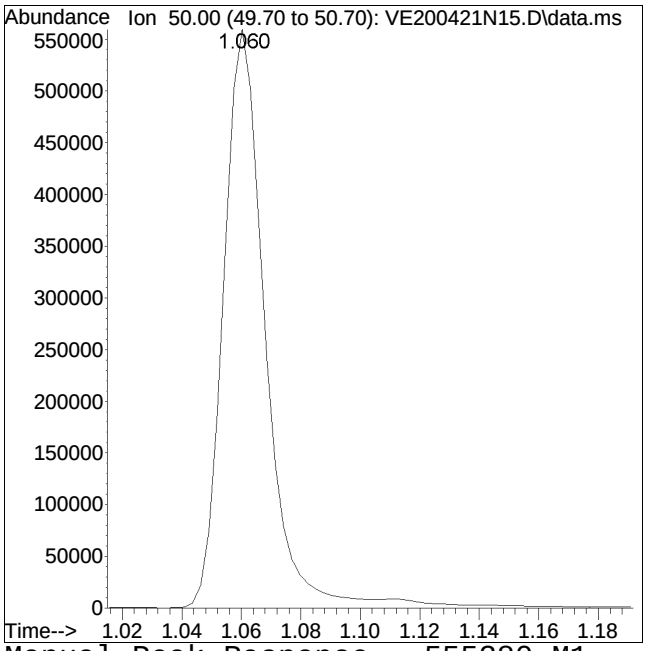
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N15.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 7:26 pm Instrument : Elaine
Sample : I8260STDLL80PPB Quant Date : 4/23/2020 7:21 am

Compound #3: Chloromethane



Original Peak Response = 538492



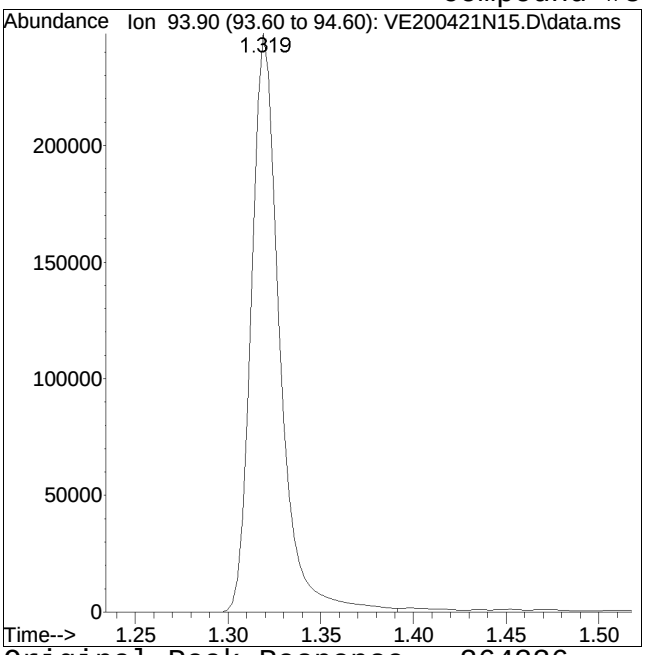
Manual Peak Response = 555380 M1

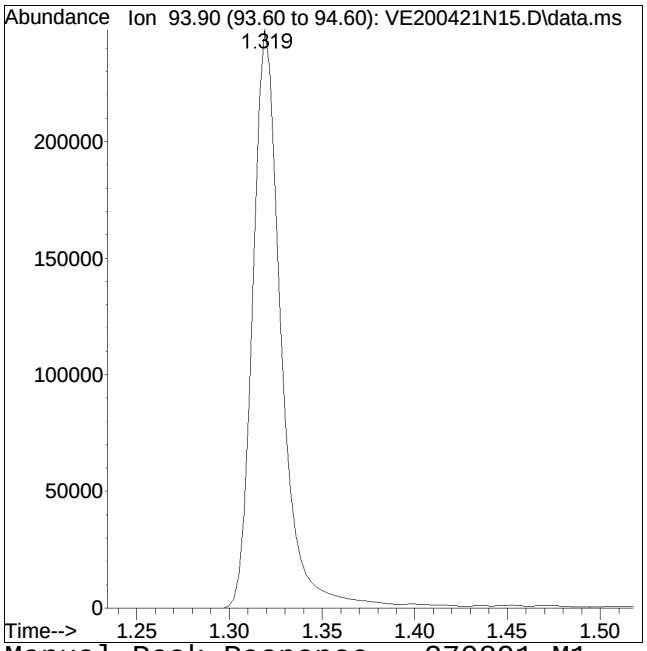
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N15.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 7:26 pm Instrument : Elaine
Sample : I8260STDLL80PPB Quant Date : 4/23/2020 7:21 am

Compound #5: Bromomethane



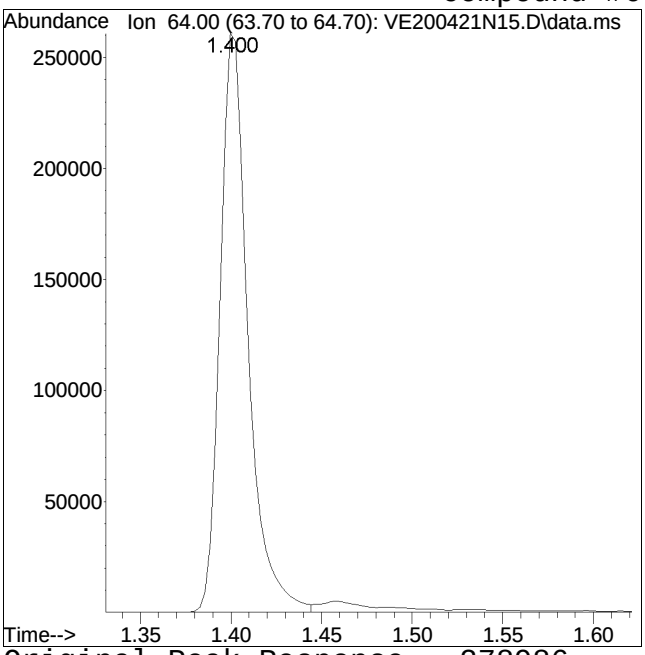


Original Peak Response = 264336 Manual Peak Response = 270891 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

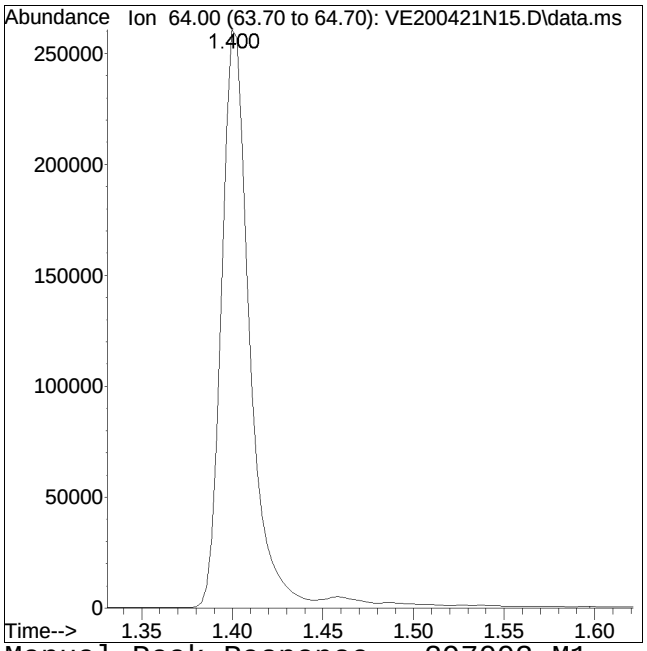
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N15.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 7:26 pm Instrument : Elaine
Sample : I8260STDLL80PPB Quant Date : 4/23/2020 7:21 am

Compound #6: Chloroethane



Original Peak Response = 278986



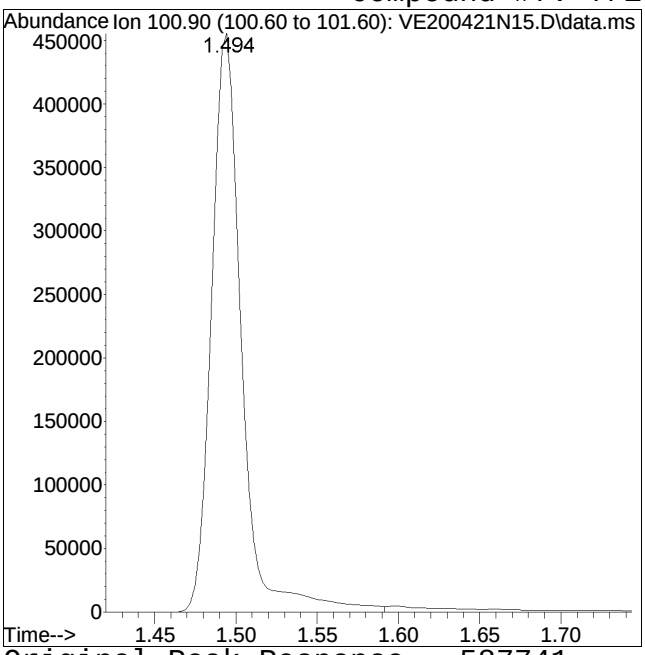
Manual Peak Response = 297003 M1

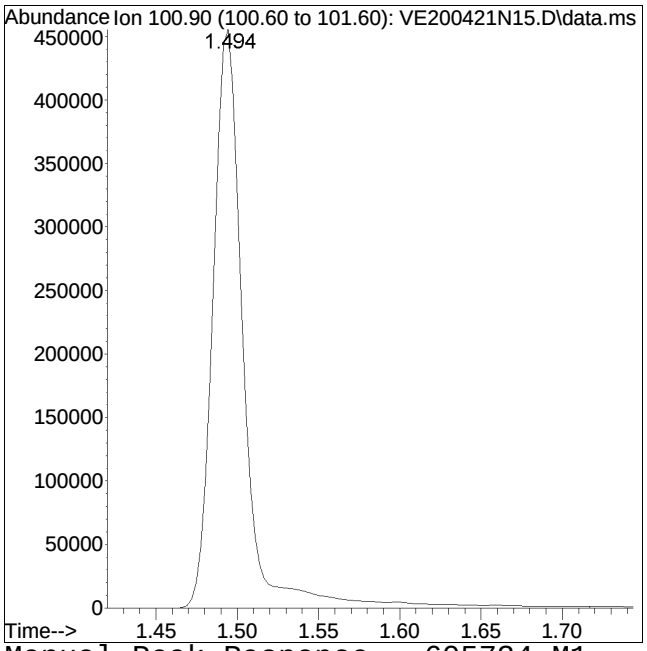
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N15.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 7:26 pm Instrument : Elaine
Sample : I8260STDLL80PPB Quant Date : 4/23/2020 7:21 am

Compound #7: Trichlorofluoromethane



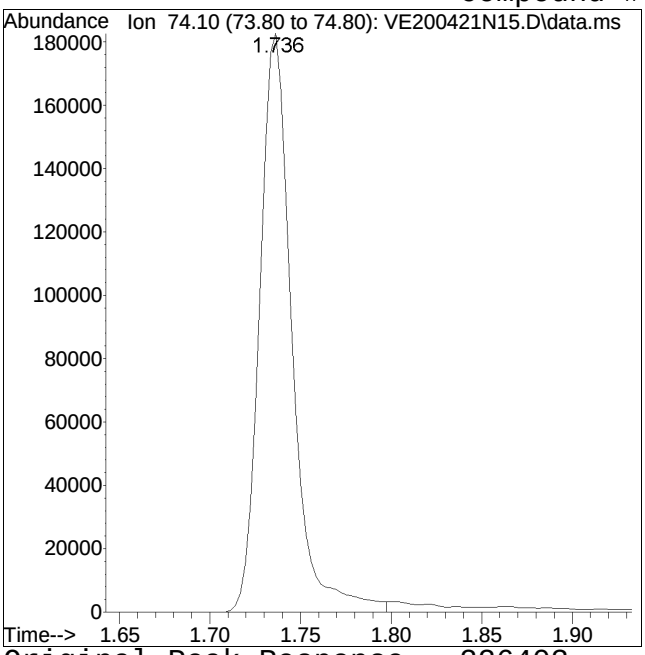


Original Peak Response = 587741 Manual Peak Response = 605734 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

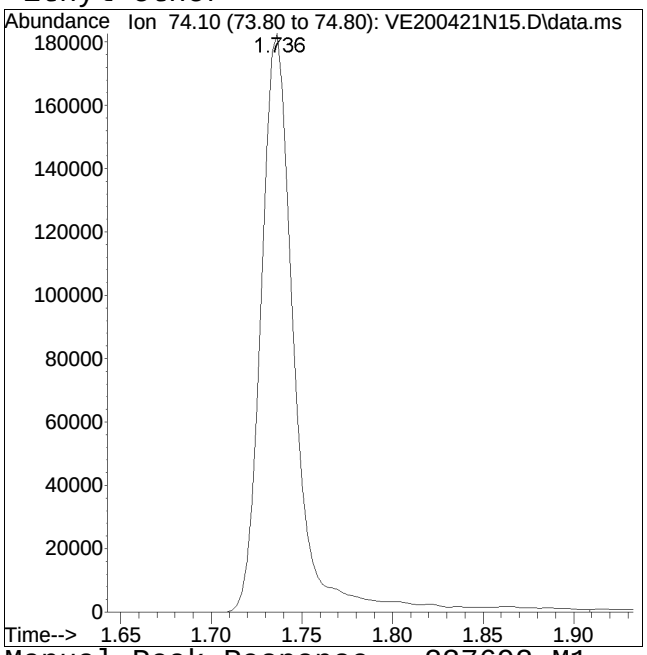
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N15.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 7:26 pm Instrument : Elaine
Sample : I8260STDLL80PPB Quant Date : 4/23/2020 7:21 am

Compound #8: Ethyl ether



Original Peak Response = 226403



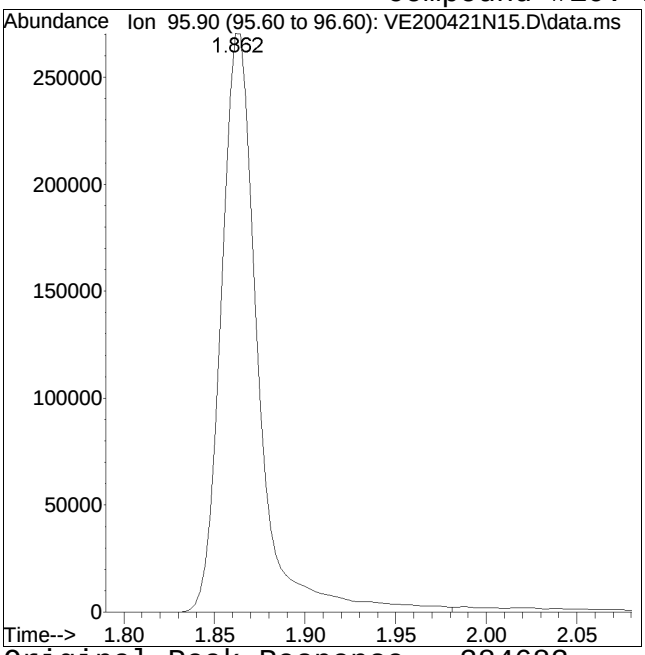
Manual Peak Response = 237692 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

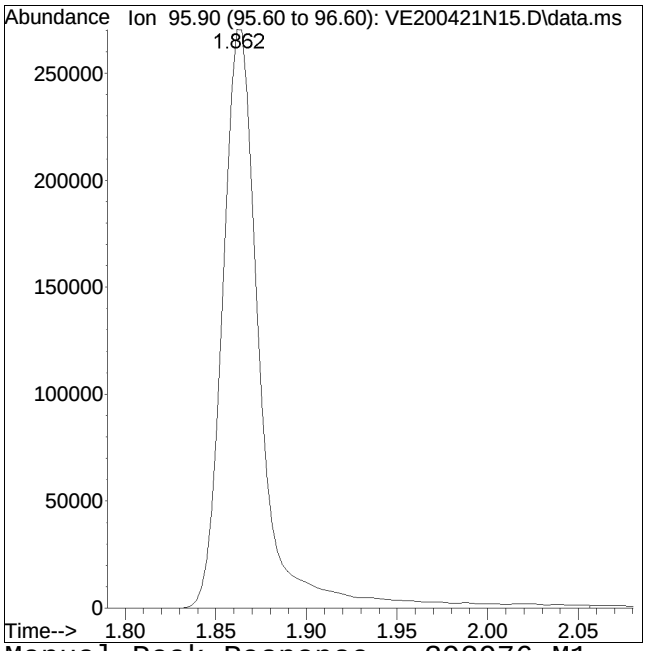
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N15.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 7:26 pm Instrument : Elaine
Sample : I8260STDLL80PPB Quant Date : 4/23/2020 7:21 am

Compound #10: 1,1-Dichloroethene



Original Peak Response = 384683



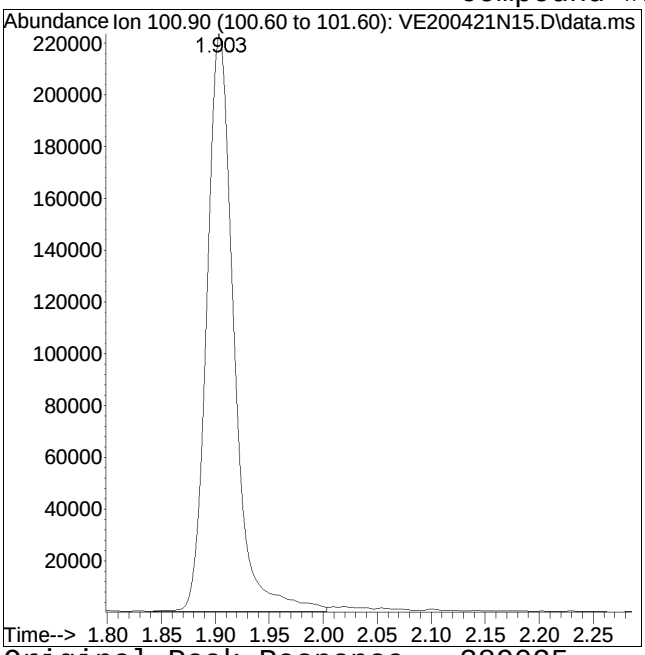
Manual Peak Response = 392976 M1

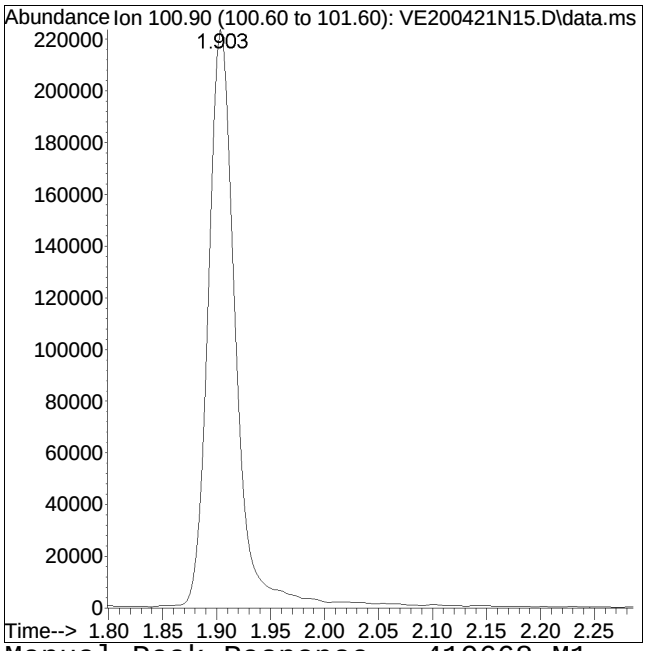
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N15.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 7:26 pm Instrument : Elaine
Sample : I8260STDLL80PPB Quant Date : 4/23/2020 7:21 am

Compound #12: Freon-113



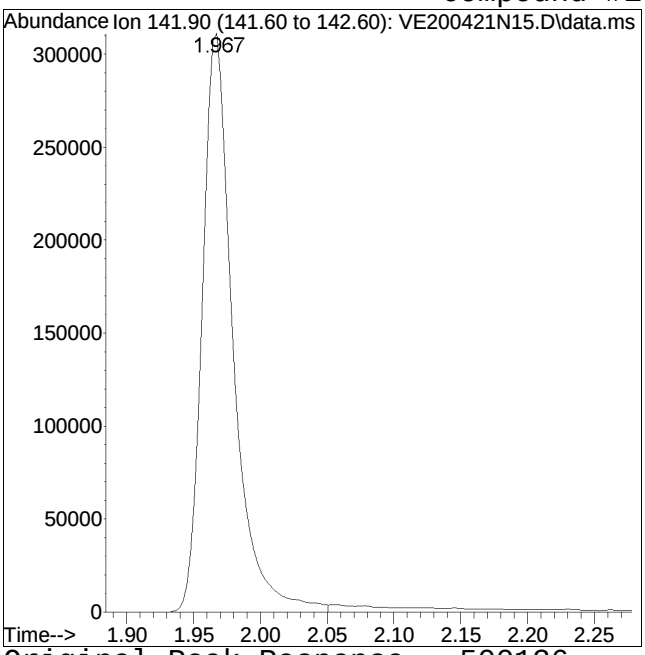


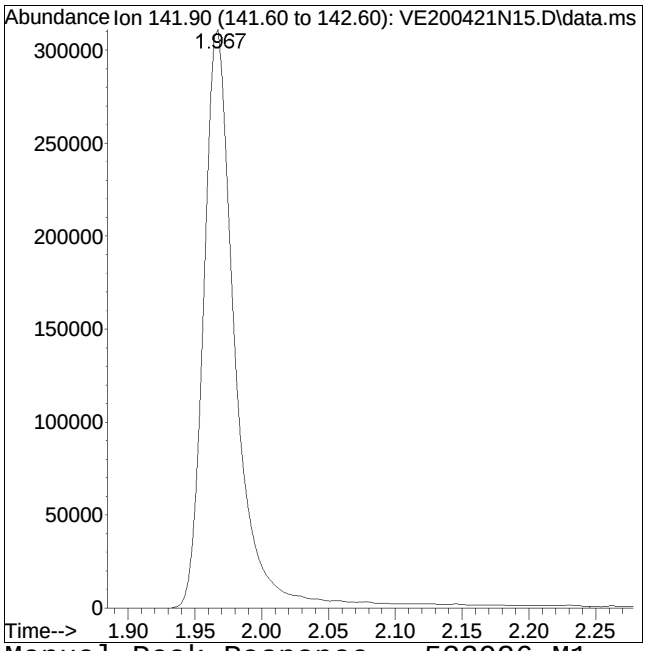
Original Peak Response = 389025 Manual Peak Response = 410668 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N15.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 7:26 pm Instrument : Elaine
Sample : I8260STDLL80PPB Quant Date : 4/23/2020 7:21 am

Compound #13: Iodomethane



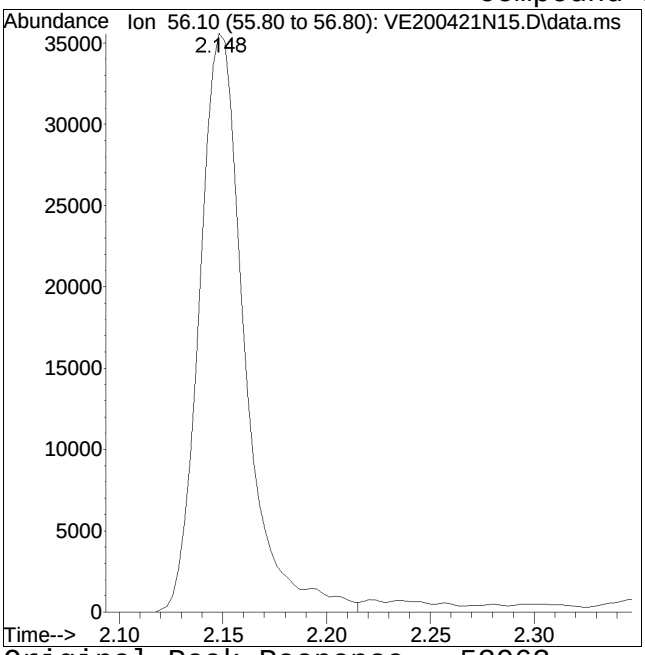


Original Peak Response = 500136 Manual Peak Response = 523926 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

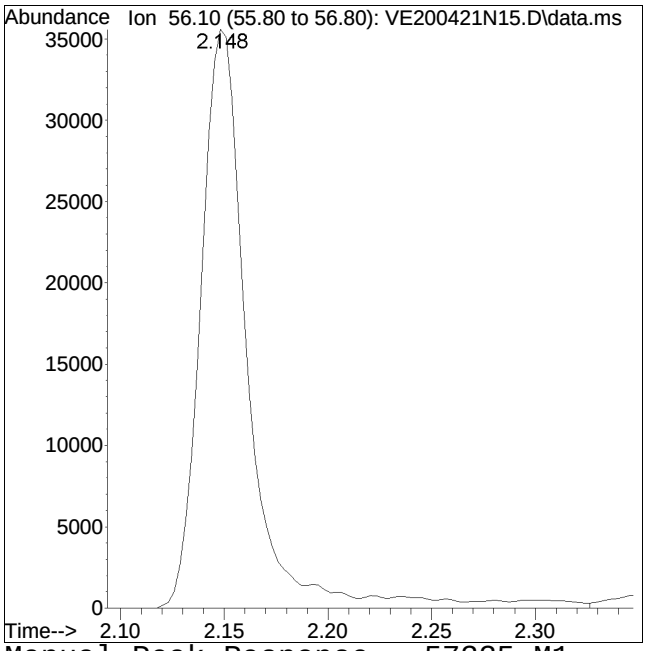
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N15.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 7:26 pm Instrument : Elaine
Sample : I8260STDLL80PPB Quant Date : 4/23/2020 7:21 am

Compound #14: Acrolein



Original Peak Response = 53963



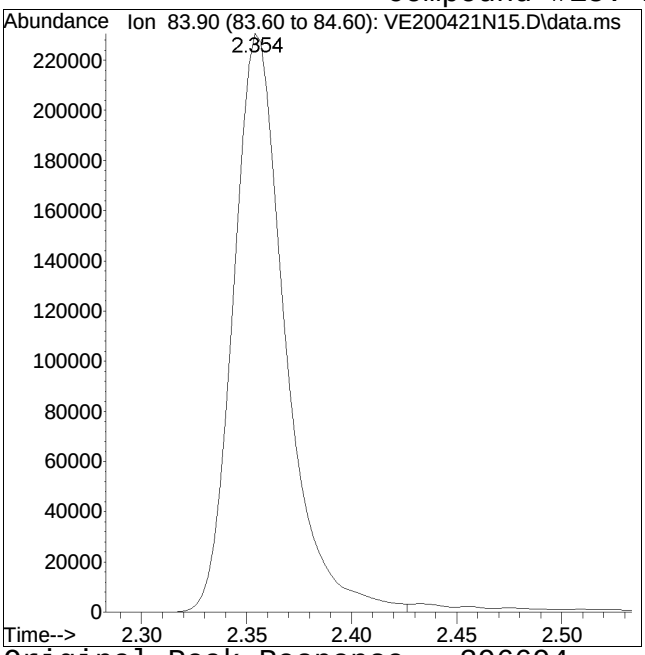
Manual Peak Response = 57335 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

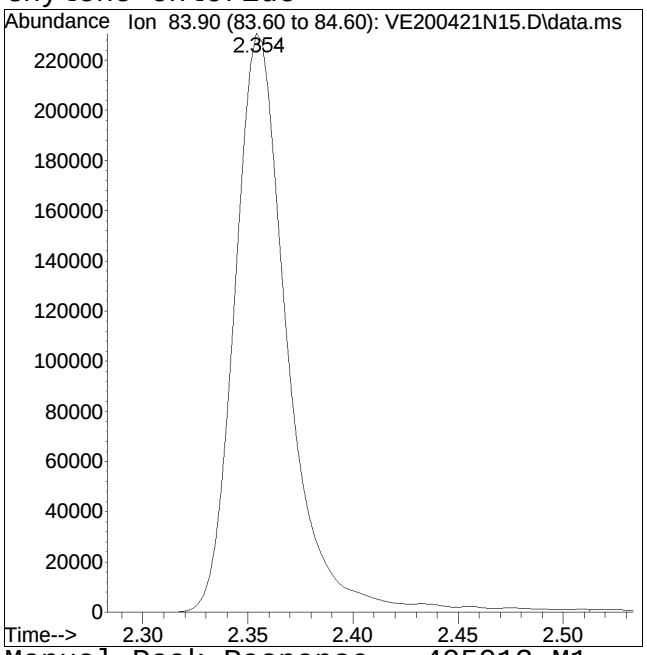
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N15.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 7:26 pm Instrument : Elaine
Sample : I8260STDLL80PPB Quant Date : 4/23/2020 7:21 am

Compound #15: Methylene chloride



Original Peak Response = 396694



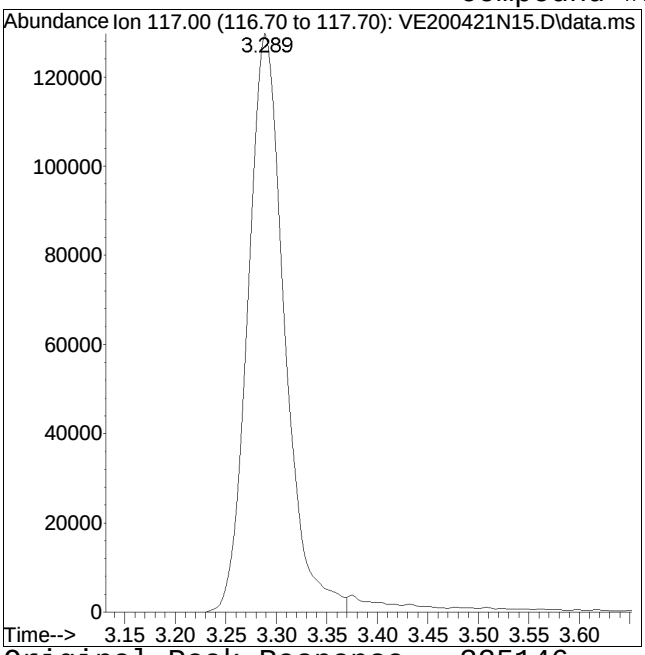
Manual Peak Response = 405913 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

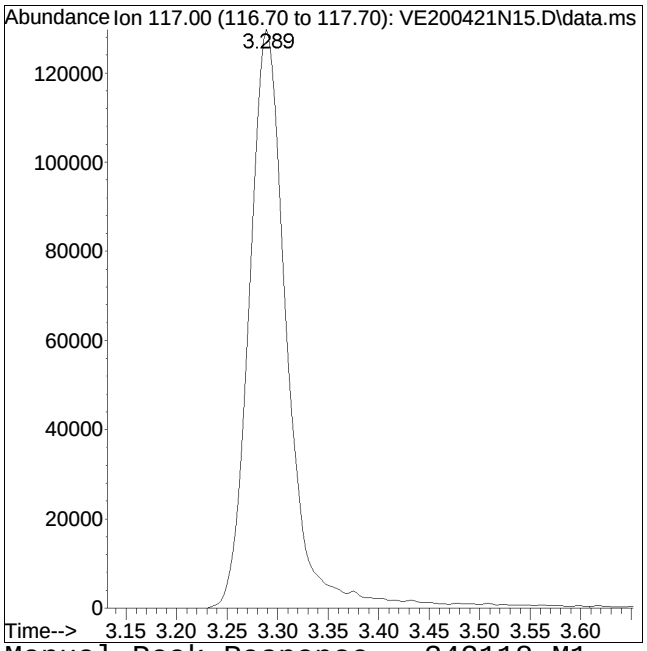
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N15.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 7:26 pm Instrument : Elaine
Sample : I8260STDLL80PPB Quant Date : 4/23/2020 7:21 am

Compound #24: Halothane



Original Peak Response = 325146



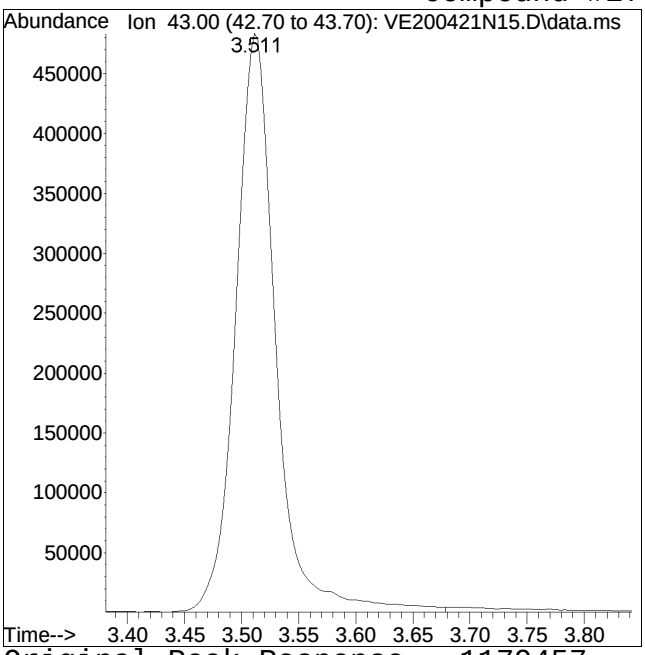
Manual Peak Response = 342118 M1

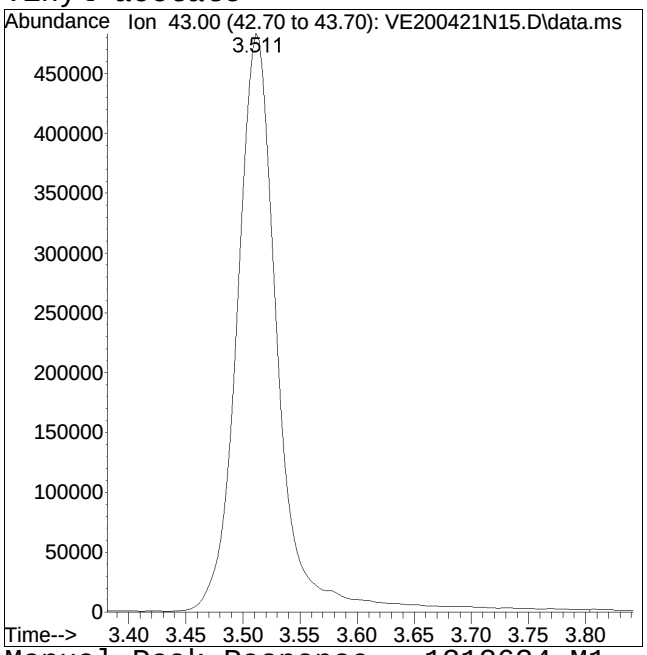
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N15.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 7:26 pm Instrument : Elaine
Sample : I8260STDLL80PPB Quant Date : 4/23/2020 7:21 am

Compound #27: Vinyl acetate



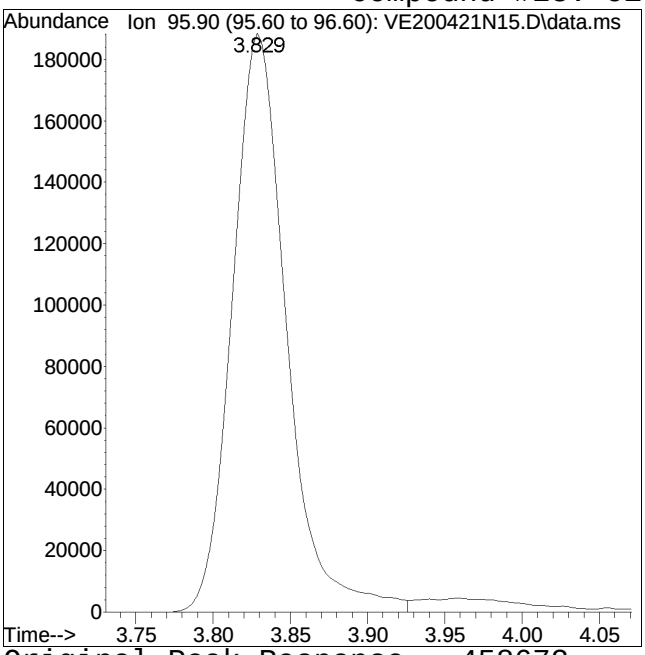


Original Peak Response = 1179457 Manual Peak Response = 1212634 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

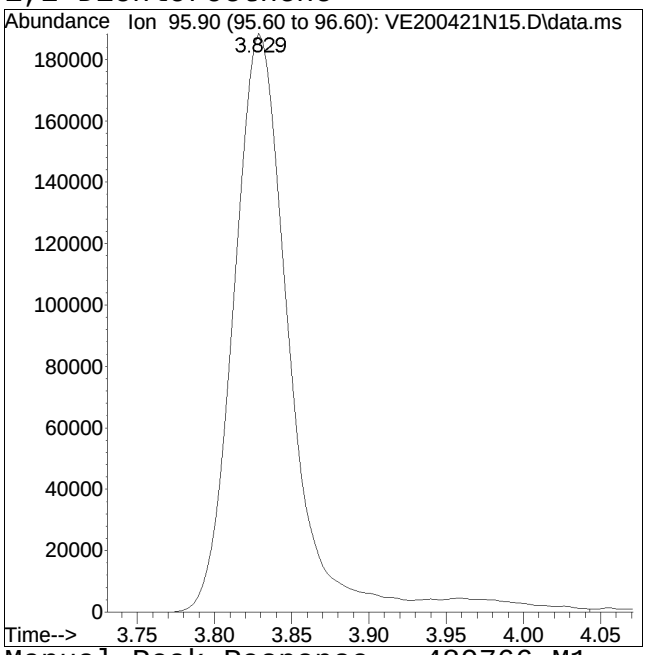
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N15.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 7:26 pm Instrument : Elaine
Sample : I8260STDLL80PPB Quant Date : 4/23/2020 7:21 am

Compound #28: cis-1,2-Dichloroethene



Original Peak Response = 458672



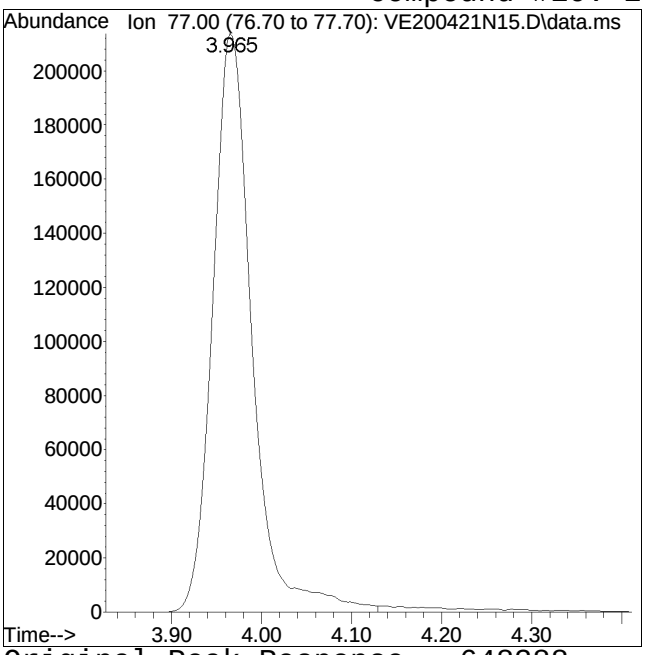
Manual Peak Response = 480766 M1

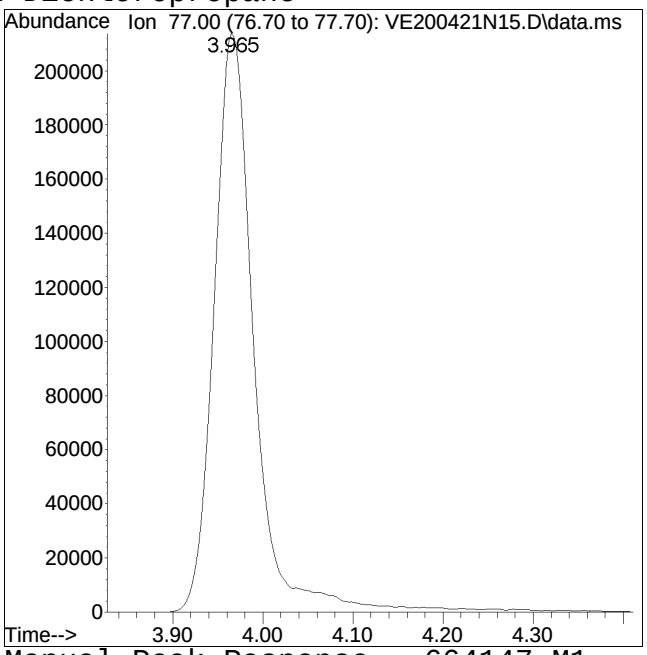
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N15.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 7:26 pm Instrument : Elaine
Sample : I8260STDLL80PPB Quant Date : 4/23/2020 7:21 am

Compound #29: 2,2-Dichloropropane



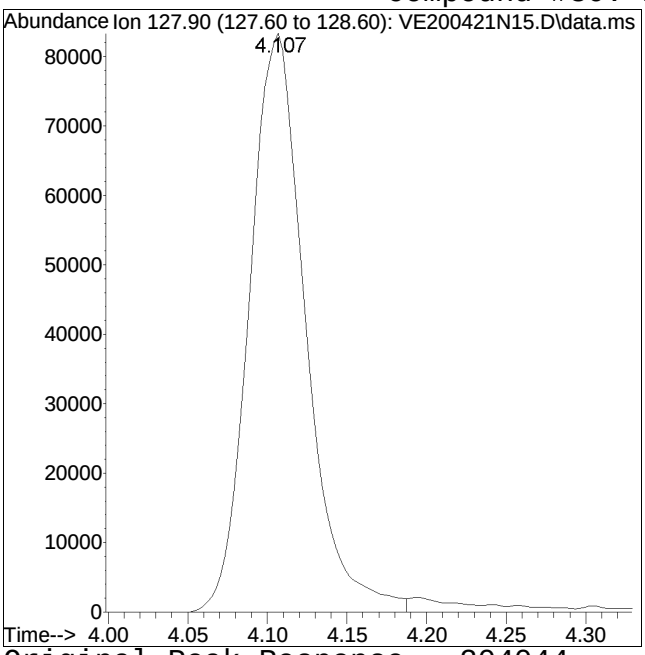


Original Peak Response = 648388 Manual Peak Response = 664147 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

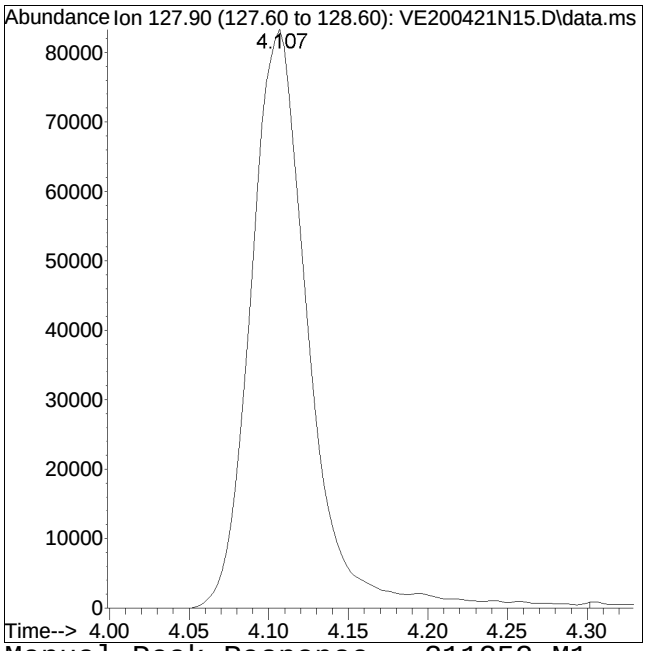
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N15.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 7:26 pm Instrument : Elaine
Sample : I8260STDLL80PPB Quant Date : 4/23/2020 7:21 am

Compound #30: Bromochloromethane



Original Peak Response = 204044



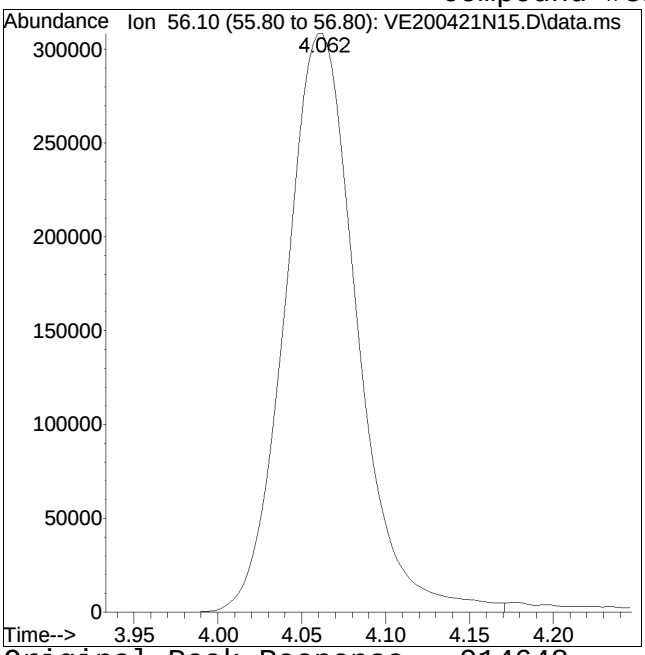
Manual Peak Response = 211252 M1

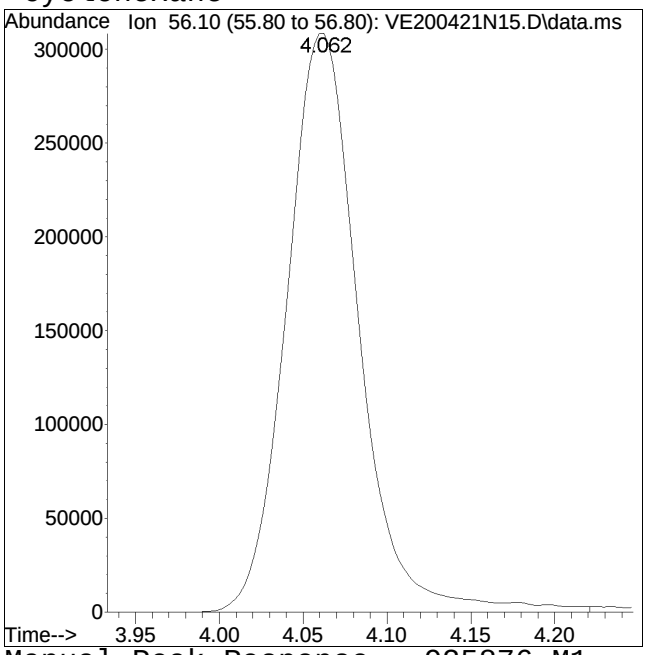
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N15.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 7:26 pm Instrument : Elaine
Sample : I8260STDLL80PPB Quant Date : 4/23/2020 7:21 am

Compound #31: Cyclohexane



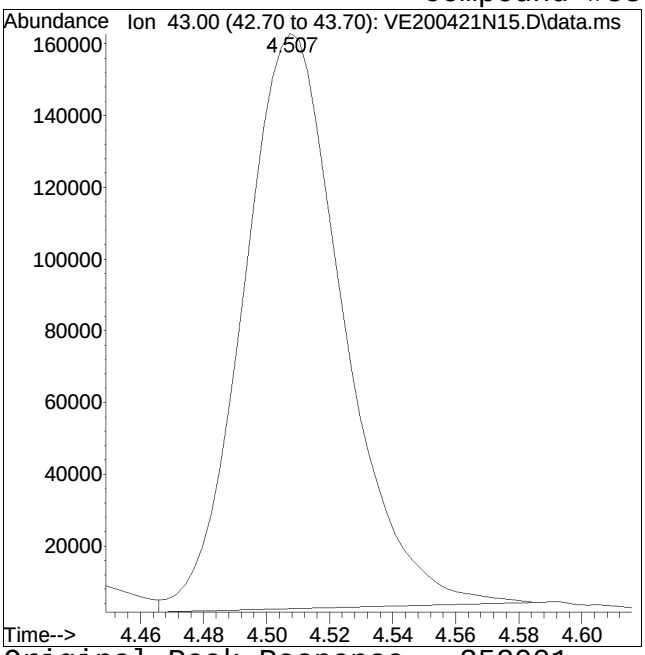


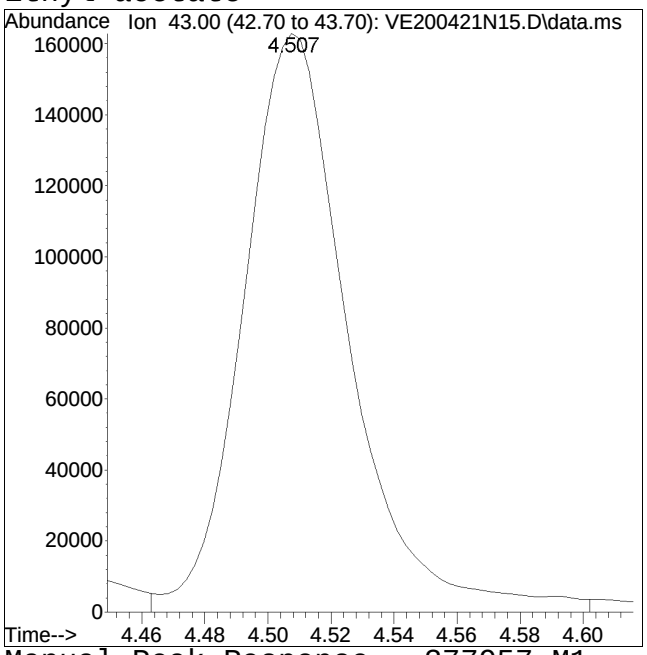
Original Peak Response = 914648 Manual Peak Response = 925876 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N15.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 7:26 pm Instrument : Elaine
Sample : I8260STDLL80PPB Quant Date : 4/23/2020 7:21 am

Compound #33: Ethyl acetate



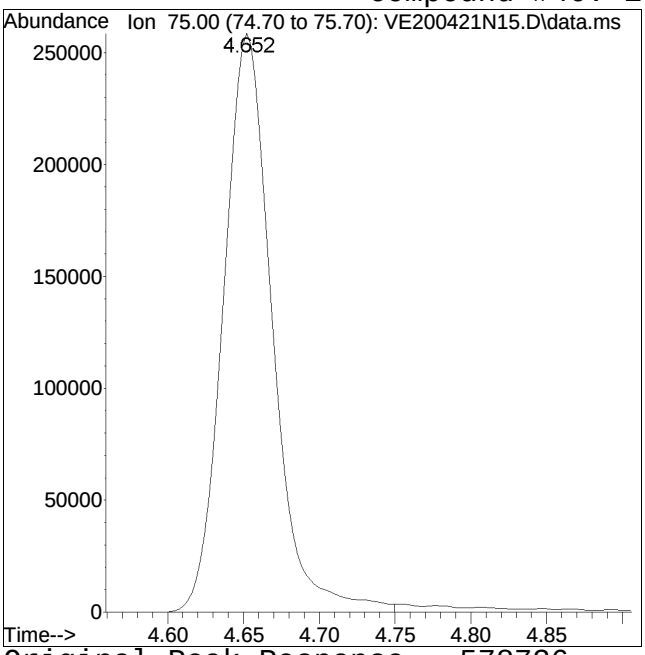


Original Peak Response = 352001 Manual Peak Response = 377957 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

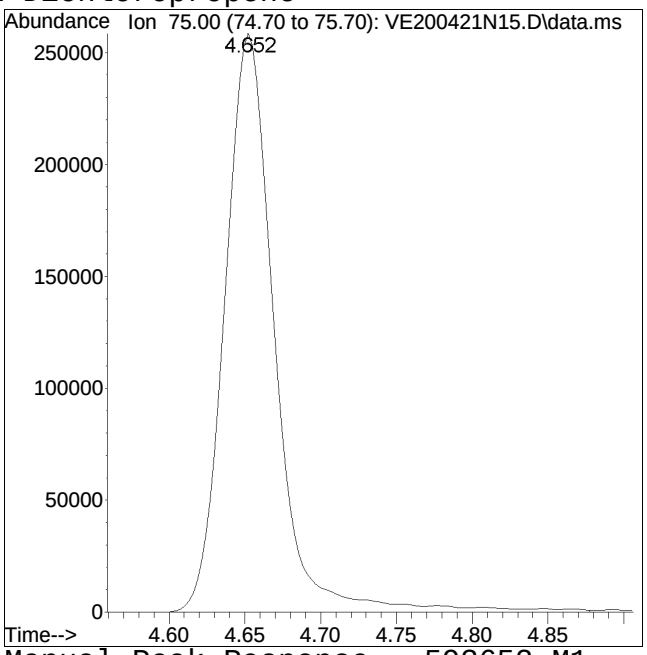
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N15.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 7:26 pm Instrument : Elaine
Sample : I8260STDLL80PPB Quant Date : 4/23/2020 7:21 am

Compound #40: 1,1-Dichloropropene



Original Peak Response = 578736



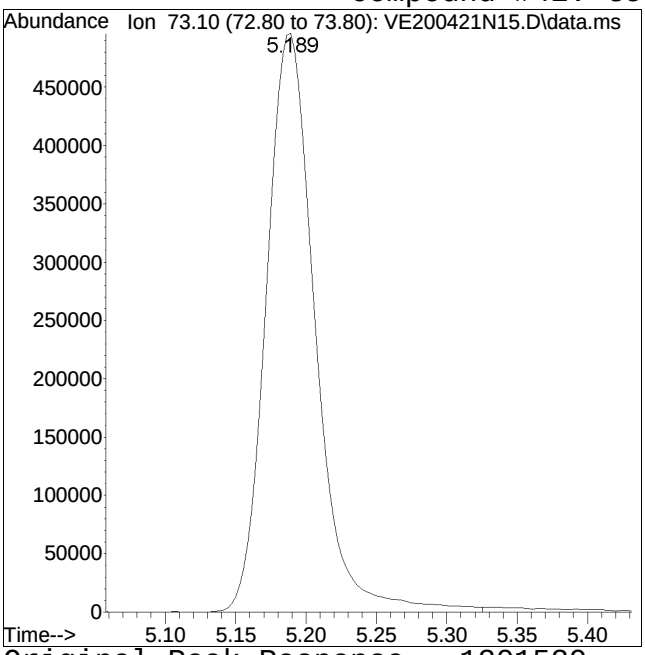
Manual Peak Response = 593652 M1

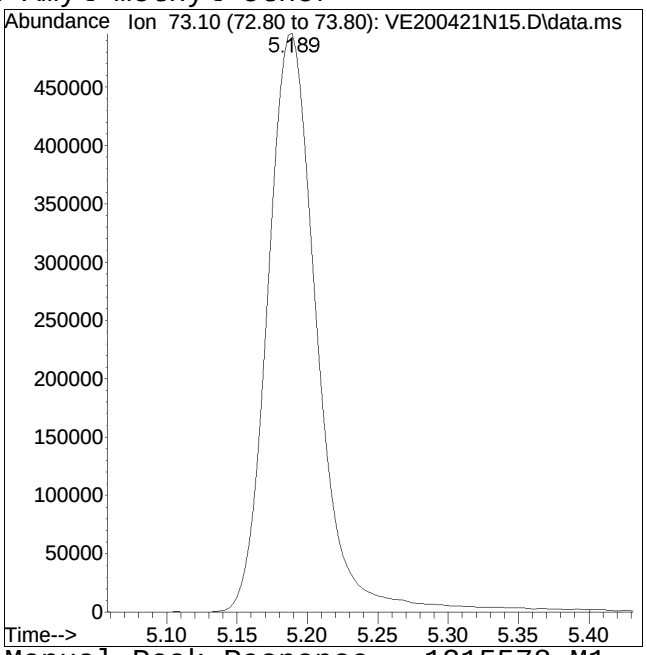
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N15.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 7:26 pm Instrument : Elaine
Sample : I8260STDLL80PPB Quant Date : 4/23/2020 7:21 am

Compound #42: tert-Amyl methyl ether



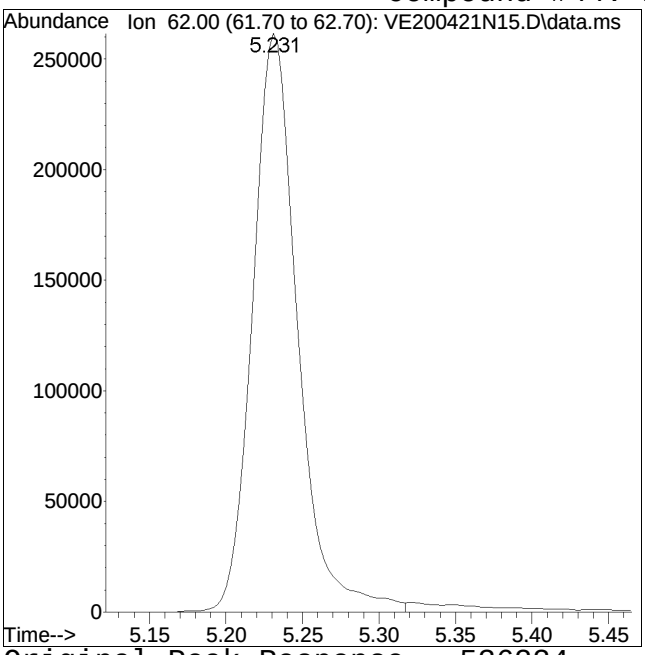


Original Peak Response = 1201529 Manual Peak Response = 1215578 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

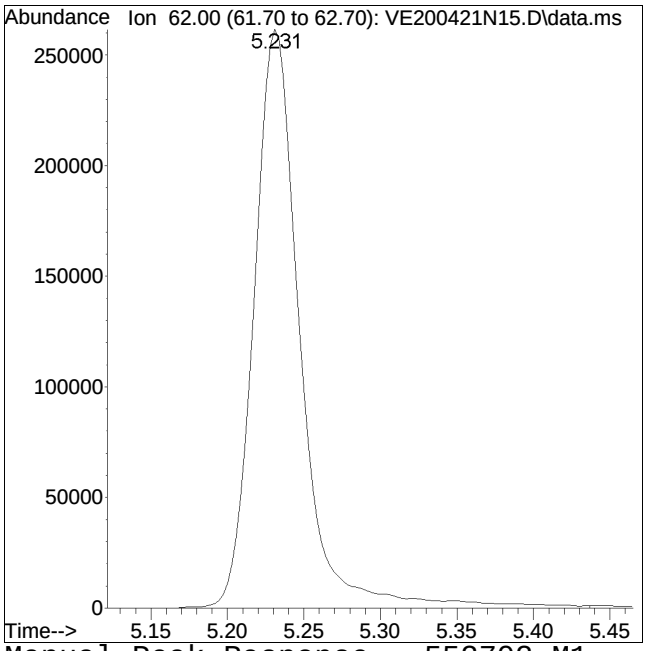
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N15.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 7:26 pm Instrument : Elaine
Sample : I8260STDLL80PPB Quant Date : 4/23/2020 7:21 am

Compound #44: 1,2-Dichloroethane



Original Peak Response = 536224



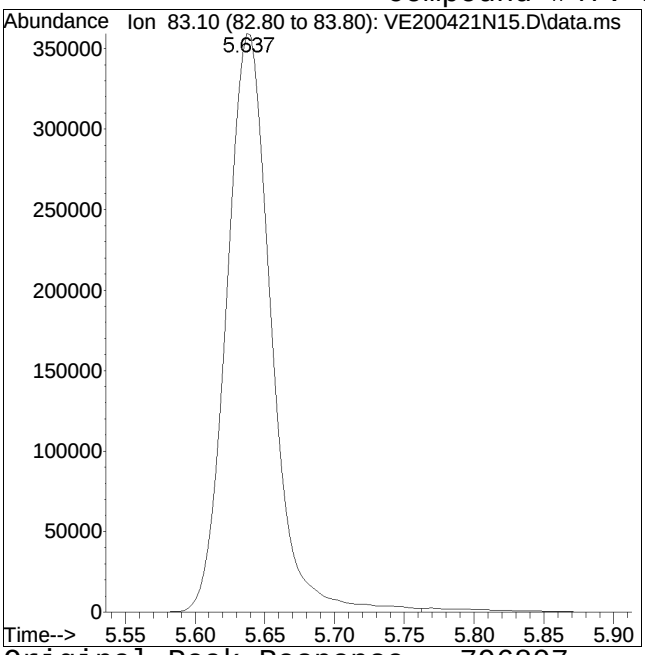
Manual Peak Response = 552702 M1

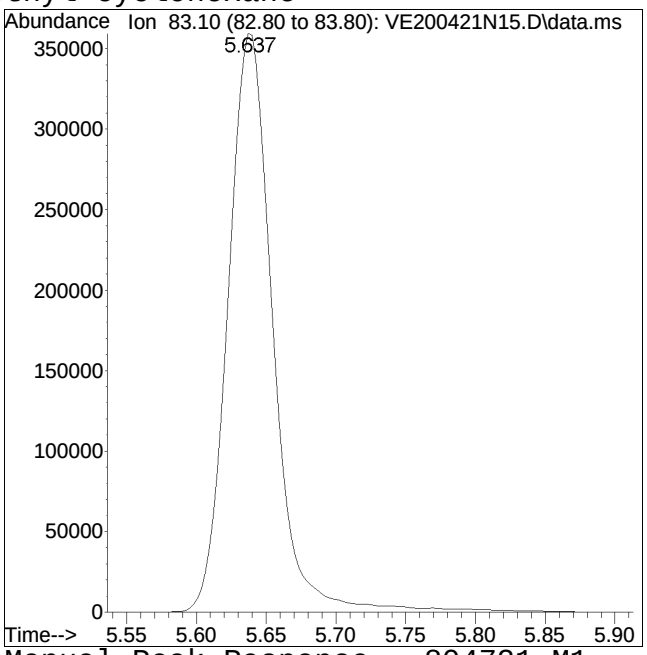
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N15.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 7:26 pm Instrument : Elaine
Sample : I8260STDLL80PPB Quant Date : 4/23/2020 7:21 am

Compound #47: Methyl cyclohexane



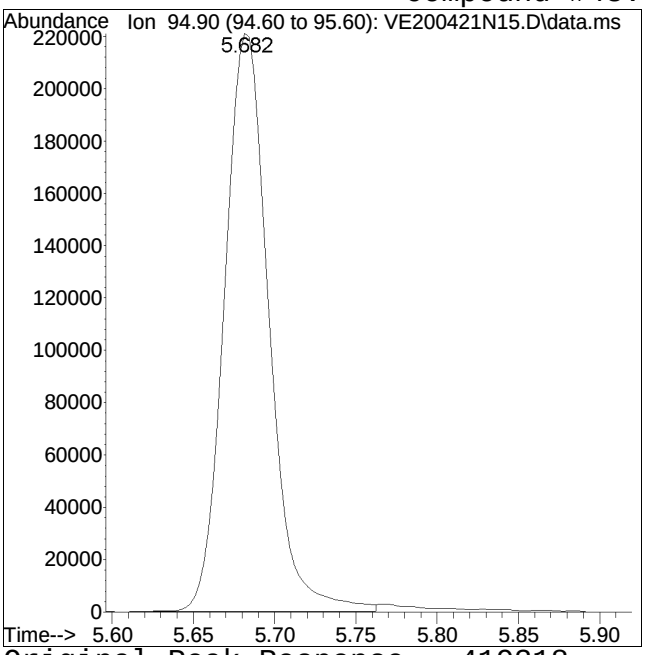


Original Peak Response = 796807 Manual Peak Response = 804721 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

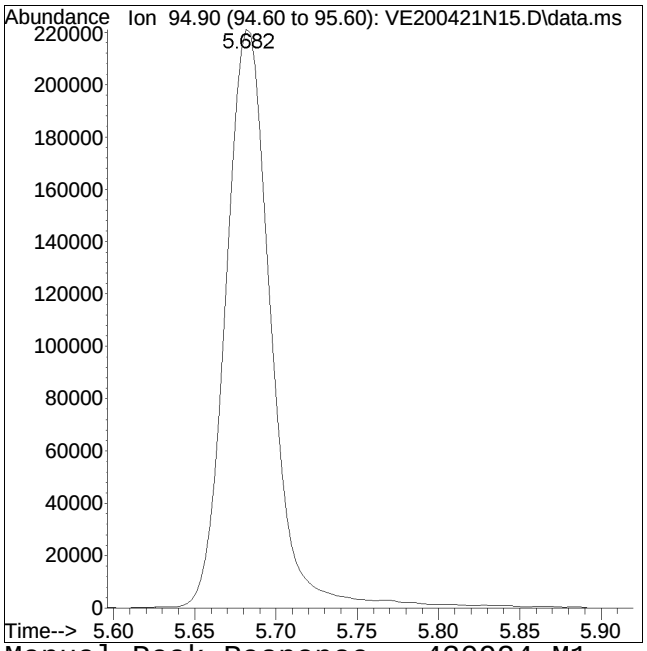
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N15.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 7:26 pm Instrument : Elaine
Sample : I8260STDLL80PPB Quant Date : 4/23/2020 7:21 am

Compound #48: Trichloroethene



Original Peak Response = 419318



Manual Peak Response = 430924 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2020\200421N\
Data File : VE200421N16.D
Acq On : 21 Apr 2020 7:48 pm
Operator : ELAINE:AD
Sample : I8260STDLL120PPB
Misc : WG1363751
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 23 07:21:23 2020
Quant Method : I:\VOLATILES\Elaine\2020\200421N\Elaine_200421N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 23 07:10:35 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2020\200421N\VE200421N13.D
Sub List : 8260-CurvePenta - All compounds listed

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.492	96	274123	10.000 ug/L	0.00
Standard Area 1 = 258855			Recovery = 105.90%		
59) Chlorobenzene-d5	8.500	117	204243	10.000 ug/L	0.00
Standard Area 1 = 197747			Recovery = 103.29%		
79) 1,4-Dichlorobenzene-d4	9.988	152	105723	10.000 ug/L	0.00
Standard Area 1 = 100890			Recovery = 104.79%		
System Monitoring Compounds					
36) Dibromofluoromethane	4.505	113	66541	10.217 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.17%		
43) 1,2-Dichloroethane-d4	5.150	65	78307	10.145 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.45%		
60) Toluene-d8	7.198	98	277146	10.046 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.46%		
83) 4-Bromofluorobenzene	9.321	95	101795	10.044 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.44%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.938	85	575929	128.160 ug/L	99
3) Chloromethane	1.060	50	863999M1	126.426 ug/L	
4) Vinyl chloride	1.113	62	803690	127.817 ug/L	98
5) Bromomethane	1.319	94	425132	125.556 ug/L	97
6) Chloroethane	1.400	64	445920M1	123.052 ug/L	
7) Trichlorofluoromethane	1.491	101	901731M1	131.695 ug/L	
8) Ethyl ether	1.736	74	353229	118.520 ug/L	81
10) 1,1-Dichloroethene	1.861	96	582500	128.795 ug/L #	71
11) Carbon disulfide	1.867	76	1339114	130.265 ug/L	96
12) Freon-113	1.903	101	608016M1	131.674 ug/L	
13) Iodomethane	1.967	142	769794	133.742 ug/L	82
14) Acrolein	2.148	56	90512M1	123.664 ug/L	
15) Methylene chloride	2.354	84	626786	121.386 ug/L	84
17) Acetone	2.415	43	144928	116.020 ug/L	100
18) trans-1,2-Dichloroethene	2.499	96	579059	127.847 ug/L	85
19) Methyl acetate	2.543	43	422302	112.649 ug/L #	98
20) Methyl tert-butyl ether	2.624	73	1693814	121.013 ug/L	99
21) tert-Butyl alcohol	2.782	59	280721M1	625.723 ug/L	
22) Diisopropyl ether	3.052	45	2706736	124.834 ug/L	98
23) 1,1-Dichloroethane	3.139	63	1261488	126.770 ug/L	100
24) Halothane	3.289	117	521734M1	122.644 ug/L	

Data Path : I:\VOLATILES\Elaine\2020\200421N\
Data File : VE200421N16.D
Acq On : 21 Apr 2020 7:48 pm
Operator : ELAINE:AD
Sample : I8260STDLL120PPB
Misc : WG1363751
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 23 07:21:23 2020
Quant Method : I:\VOLATILES\Elaine\2020\200421N\Elaine_200421N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 23 07:10:35 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2020\200421N\VE200421N13.D
Sub List : 8260-CurvePenta - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	3.219	53	208069M1	123.463	ug/L		
26) Ethyl tert-butyl ether	3.495	59	2359822	124.251	ug/L		86
27) Vinyl acetate	3.511	43	1881298M1	128.209	ug/L		
28) cis-1,2-Dichloroethene	3.829	96	714256	125.272	ug/L	#	76
29) 2,2-Dichloropropane	3.968	77	988760M1	128.225	ug/L		
30) Bromochloromethane	4.107	128	311466M1	125.210	ug/L		
31) Cyclohexane	4.059	56	1400869M1	132.727	ug/L		
32) Chloroform	4.263	83	1093688	124.262	ug/L		97
33) Ethyl acetate	4.507	43	576373M1	121.246	ug/L		
34) Carbon tetrachloride	4.374	117	872385	129.437	ug/L		98
35) Tetrahydrofuran	4.441	42	163072	121.018	ug/L	#	81
37) 1,1,1-Trichloroethane	4.477	97	1010298	128.423	ug/L	#	97
39) 2-Butanone	4.699	43	240799	116.530	ug/L	#	83
40) 1,1-Dichloropropene	4.652	75	901432M1	130.907	ug/L		
41) Benzene	4.966	78	2682153	123.685	ug/L		94
42) tert-Amyl methyl ether	5.189	73	1870919M1	123.410	ug/L		
44) 1,2-Dichloroethane	5.234	62	848061	124.165	ug/L		97
47) Methyl cyclohexane	5.640	83	1209943M1	133.620	ug/L		
48) Trichloroethene	5.681	95	657354	123.735	ug/L		89
50) Dibromomethane	6.138	93	336304M1	124.383	ug/L		
51) 1,2-Dichloropropane	6.252	63	721990	124.486	ug/L	#	94
53) 2-Chloroethyl vinyl ether	7.011	63	402531	123.909	ug/L		96
54) Bromodichloromethane	6.360	83	847377	128.631	ug/L		98
57) 1,4-Dioxane	6.586	88	45161	1208.857	ug/L	#	85
58) cis-1,3-Dichloropropene	7.023	75	1090115	127.369	ug/L		98
61) Toluene	7.248	92	1707856	126.461	ug/L		93
62) 4-Methyl-2-pentanone	7.660	58	225354	126.896	ug/L	#	93
63) Tetrachloroethene	7.598	166	719727	126.751	ug/L		87
65) trans-1,3-Dichloropropene	7.676	75	960583	124.852	ug/L		98
67) Ethyl methacrylate	7.863	69	758728	126.586	ug/L		99
68) 1,1,2-Trichloroethane	7.807	83	424308	119.705	ug/L		92
69) Chlorodibromomethane	7.938	129	614383	126.417	ug/L		95
70) 1,3-Dichloropropane	8.019	76	902994	121.416	ug/L		99
71) 1,2-Dibromoethane	8.099	107	501909	122.086	ug/L		98
72) 2-Hexanone	8.341	43	391311	118.086	ug/L		95
73) Chlorobenzene	8.511	112	1780065	123.368	ug/L		90
74) Ethylbenzene	8.550	91	3061685	124.736	ug/L		95
75) 1,1,1,2-Tetrachloroethane	8.569	131	658736	126.110	ug/L		94
76) p/m Xylene	8.658	106	2480798	253.672	ug/L		85
77) o Xylene	8.942	106	2317925	247.651	ug/L		80

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2020\200421N\
Data File : VE200421N16.D
Acq On : 21 Apr 2020 7:48 pm
Operator : ELAINE:AD
Sample : I8260STDLL120PPB
Misc : WG1363751
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 23 07:21:23 2020
Quant Method : I:\VOLATILES\Elaine\2020\200421N\Elaine_200421N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 23 07:10:35 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2020\200421N\VE200421N13.D
Sub List : 8260-CurvePenta - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
78) Styrene	8.981	104	3776824	247.911	ug/L		91
80) Bromoform	8.984	173	377282	125.975	ug/L		96
82) Isopropylbenzene	9.154	105	3071811	123.712	ug/L		92
84) Bromobenzene	9.374	156	740483	121.927	ug/L		98
85) n-Propylbenzene	9.412	91	3451487	123.748	ug/L	#	90
86) 1,4-Dichlorobutane	9.421	55	1009883	118.110	ug/L		91
87) 1,1,2,2-Tetrachloroethane	9.468	83	572640	118.722	ug/L		99
88) 4-Ethyltoluene	9.482	105	2941857	125.517	ug/L		92
89) 2-Chlorotoluene	9.496	91	2405544	123.532	ug/L		92
90) 1,3,5-Trimethylbenzene	9.538	105	2586715	124.426	ug/L	#	86
91) 1,2,3-Trichloropropane	9.535	75	477465	116.622	ug/L		99
92) trans-1,4-Dichloro-2-b...	9.571	53	196127	119.468	ug/L	#	77
93) 4-Chlorotoluene	9.599	91	2189495	124.309	ug/L		91
94) tert-Butylbenzene	9.724	119	2572076	125.748	ug/L		91
95) Pentachloroethane	9.730	167	461253	127.911	ug/L		97
97) 1,2,4-Trimethylbenzene	9.766	105	2574202	125.990	ug/L		88
98) sec-Butylbenzene	9.827	105	3065053	126.832	ug/L		95
99) p-Isopropyltoluene	9.916	119	2819528	125.723	ug/L		94
100) 1,3-Dichlorobenzene	9.944	146	1432023	123.634	ug/L		98
101) 1,4-Dichlorobenzene	9.997	146	1423046	122.693	ug/L		98
102) p-Diethylbenzene	10.125	119	1701000	131.701	ug/L		94
103) n-Butylbenzene	10.158	91	2481181	131.286	ug/L		94
104) 1,2-Dichlorobenzene	10.239	146	1315556	120.984	ug/L		98
105) 1,2,4,5-Tetramethylben...	10.581	119	2591456	126.373	ug/L		95
106) 1,2-Dibromo-3-chloropr...	10.695	155	104444	125.315	ug/L		93
107) 1,3,5-Trichlorobenzene	10.709	180	1014578	125.546	ug/L		94
108) Hexachlorobutadiene	11.054	225	379414	131.444	ug/L		95
109) 1,2,4-Trichlorobenzene	11.068	180	948889	126.469	ug/L		99
110) Naphthalene	11.249	128	2101265	125.300	ug/L		100
111) 1,2,3-Trichlorobenzene	11.352	180	860701	126.097	ug/L		100

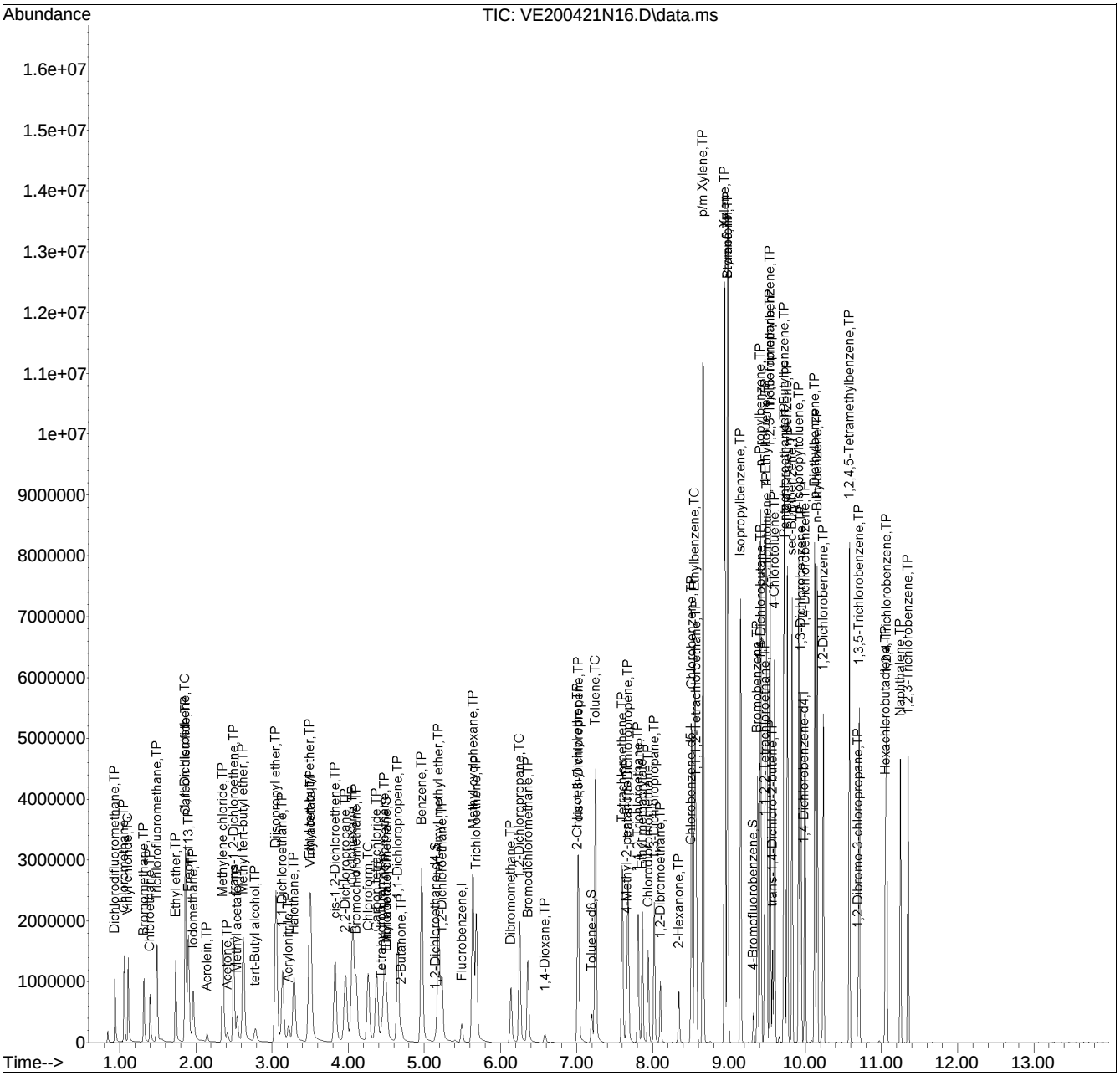
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2020\200421N\
Data File : VE200421N16.D
Acq On : 21 Apr 2020 7:48 pm
Operator : ELAINE:AD
Sample : I8260STDLL120PPB
Misc : WG1363751
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 23 07:21:23 2020
Quant Method : I:\VOLATILES\Elaine\2020\200421N\Elaine_200421N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 23 07:10:35 2020
Response via : Initial Calibration

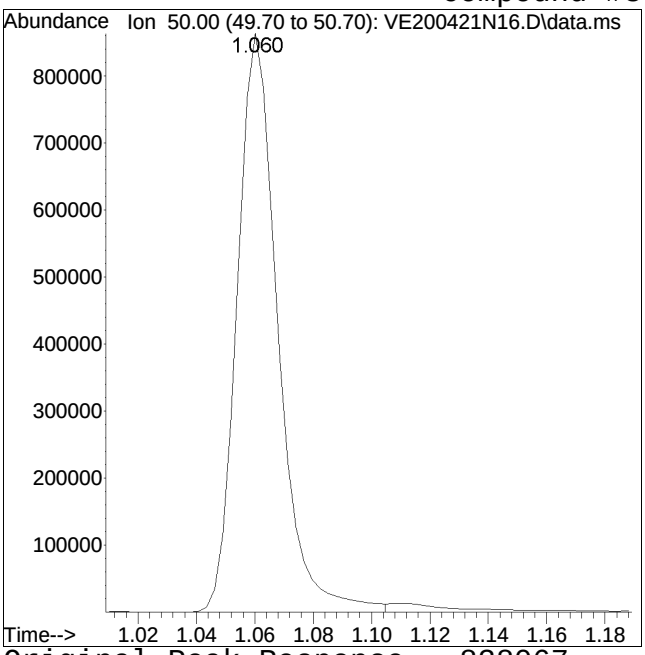
Sub List : 8260-CurvePenta - All compounds listedE200421N13.D•



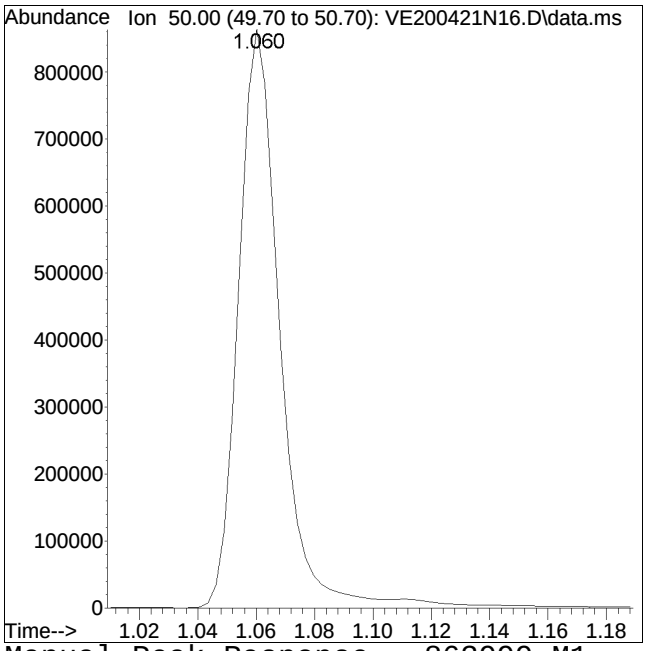
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N16.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 7:48 pm Instrument : Elaine
Sample : I8260STDLL120PPB Quant Date : 4/23/2020 7:21 am

Compound #3: Chloromethane



Original Peak Response = 838067



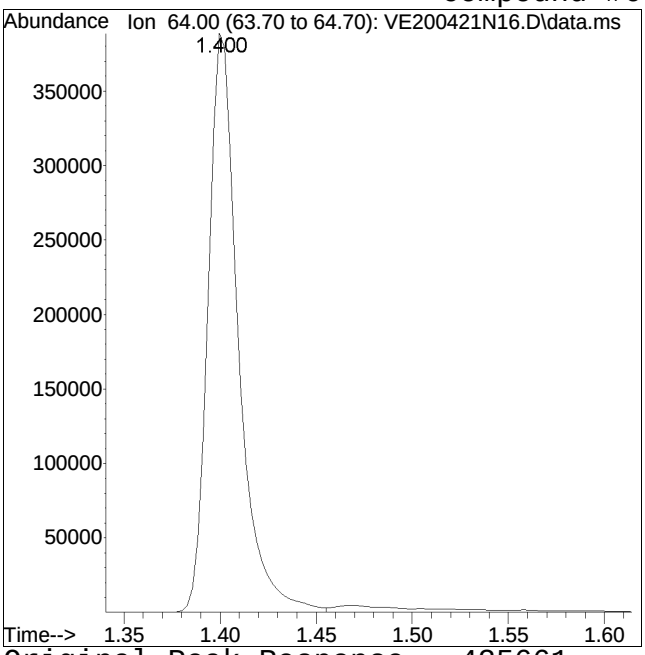
Manual Peak Response = 863999 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

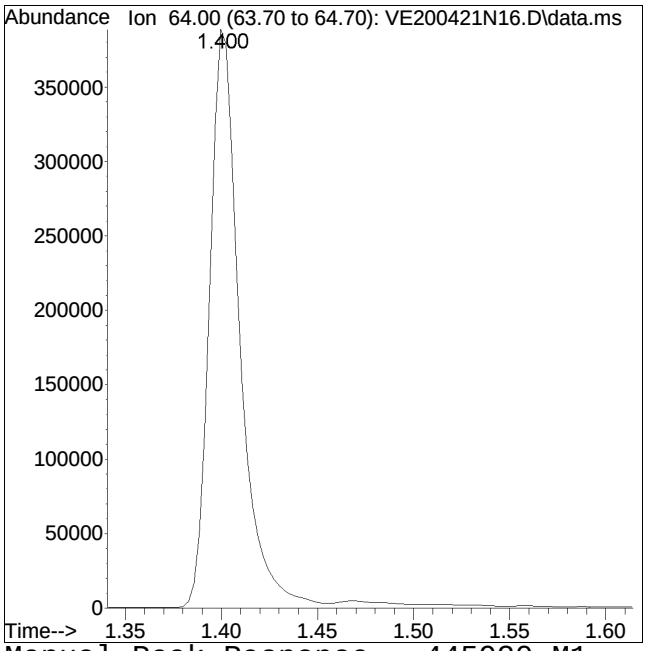
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N16.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 7:48 pm Instrument : Elaine
Sample : I8260STDLL120PPB Quant Date : 4/23/2020 7:21 am

Compound #6: Chloroethane



Original Peak Response = 425661



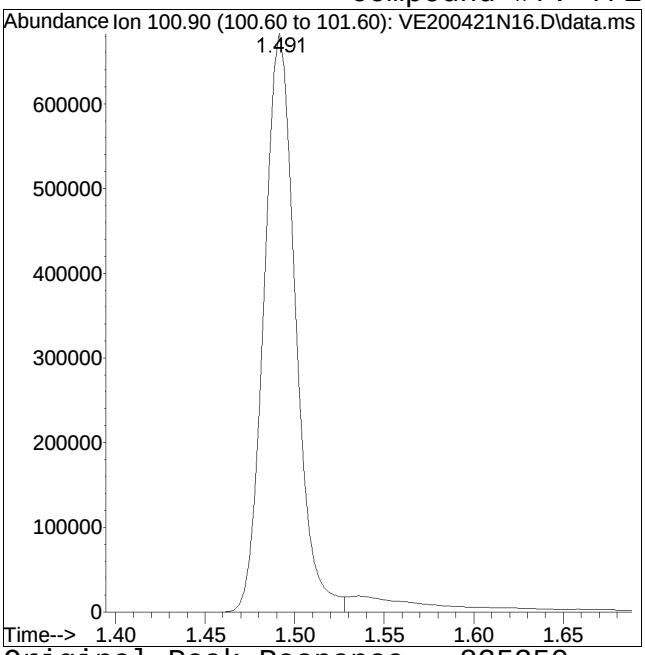
Manual Peak Response = 445920 M1

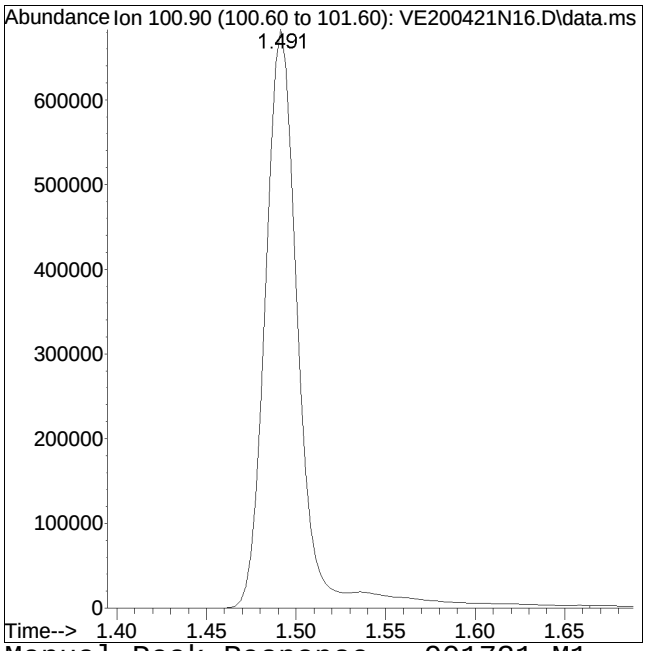
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N16.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 7:48 pm Instrument : Elaine
Sample : I8260STDLL120PPB Quant Date : 4/23/2020 7:21 am

Compound #7: Trichlorofluoromethane



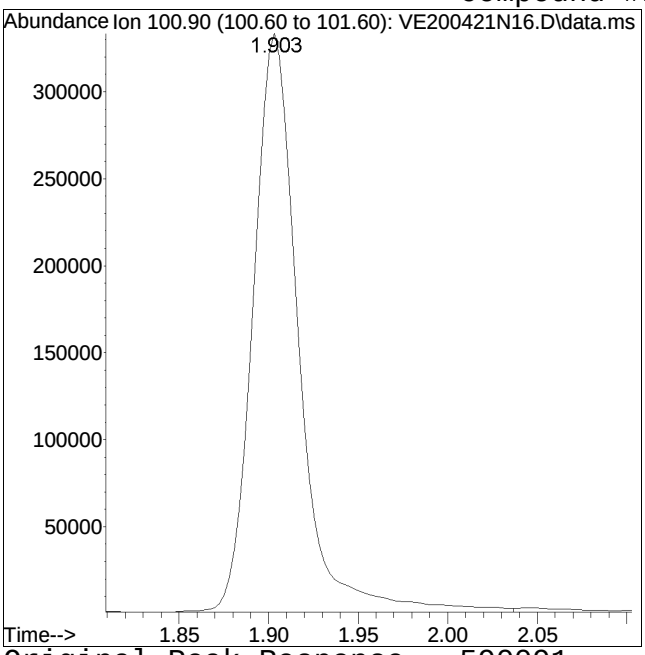


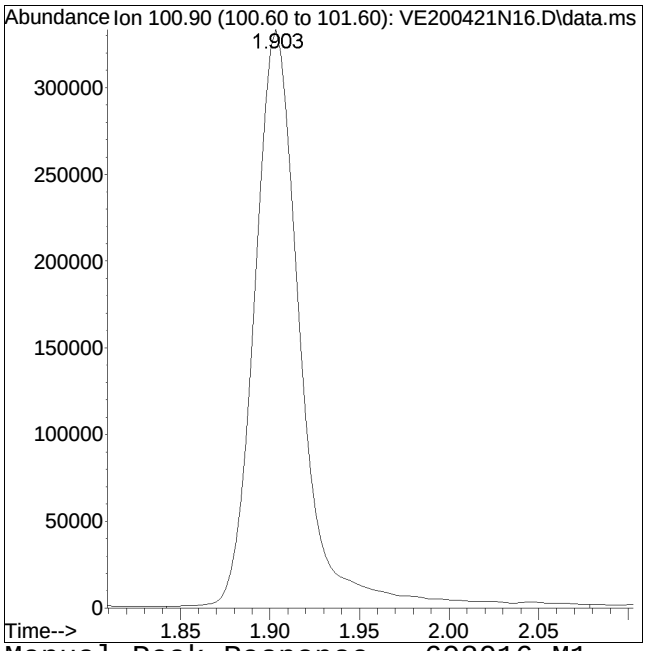
Original Peak Response = 835350 Manual Peak Response = 901731 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N16.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 7:48 pm Instrument : Elaine
Sample : I8260STDLL120PPB Quant Date : 4/23/2020 7:21 am

Compound #12: Freon-113



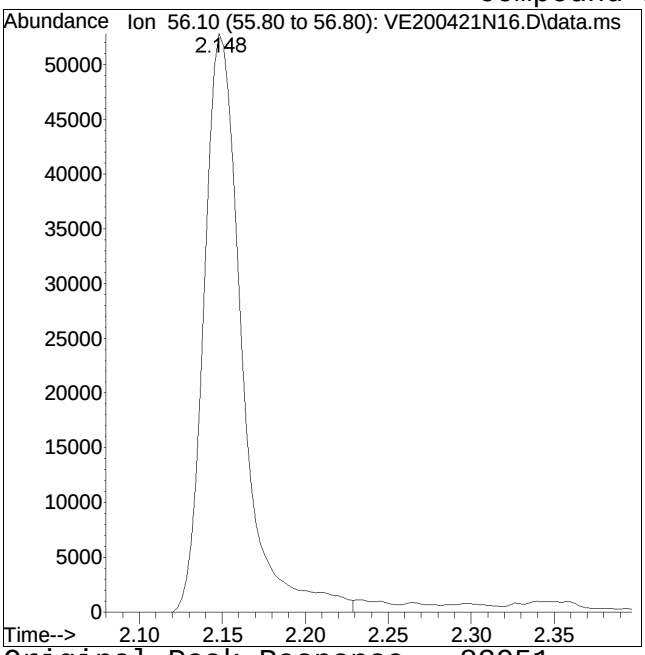


Original Peak Response = 590091 Manual Peak Response = 608016 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

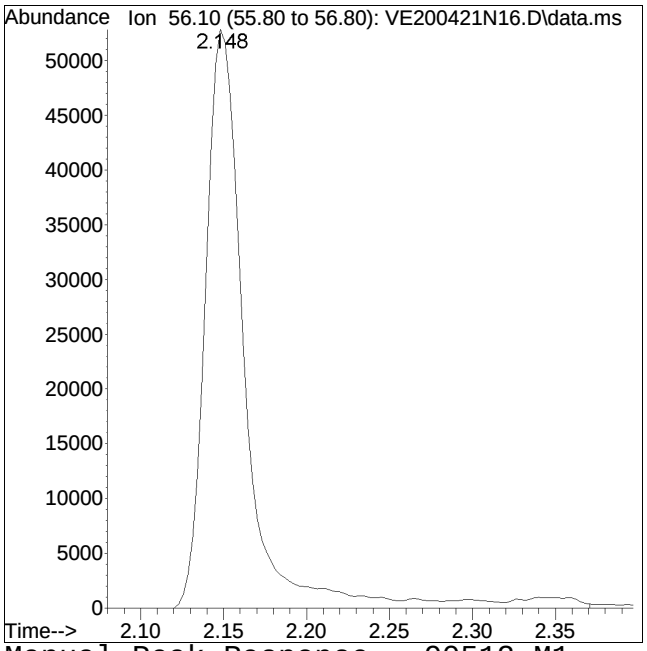
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N16.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 7:48 pm Instrument : Elaine
Sample : I8260STDLL120PPB Quant Date : 4/23/2020 7:21 am

Compound #14: Acrolein



Original Peak Response = 83951



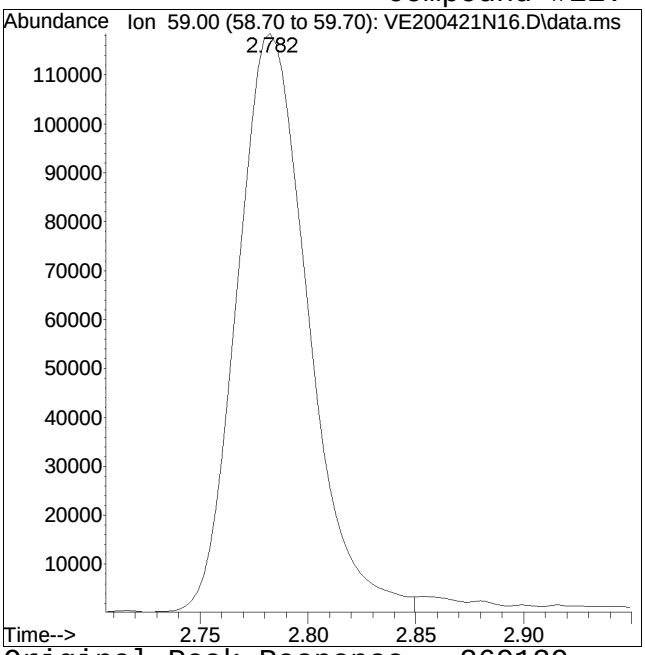
Manual Peak Response = 90512 M1

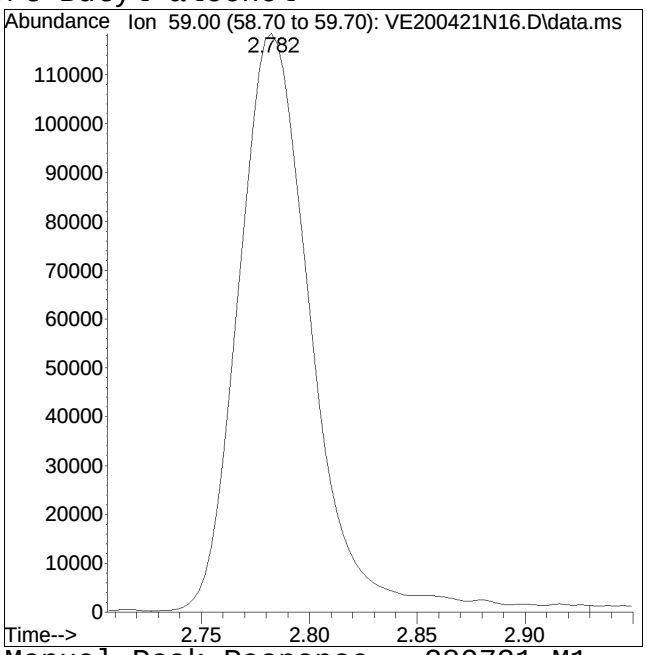
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N16.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 7:48 pm Instrument : Elaine
Sample : I8260STDLL120PPB Quant Date : 4/23/2020 7:21 am

Compound #21: tert-Butyl alcohol



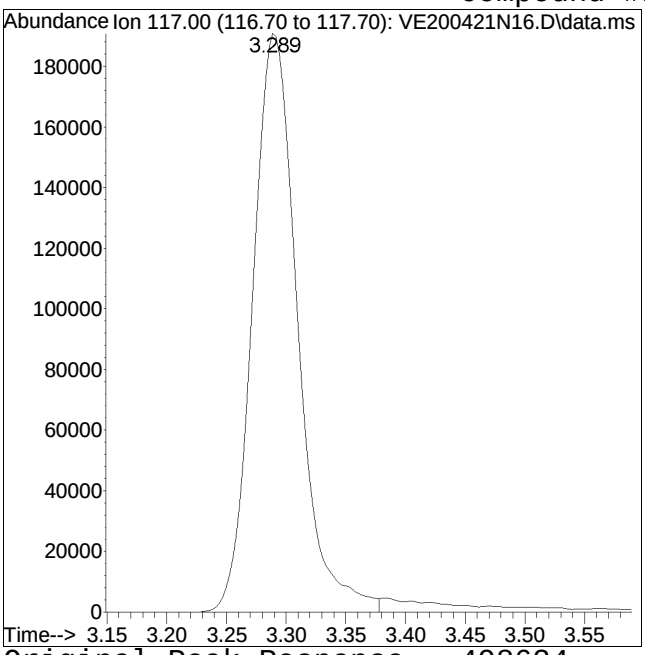


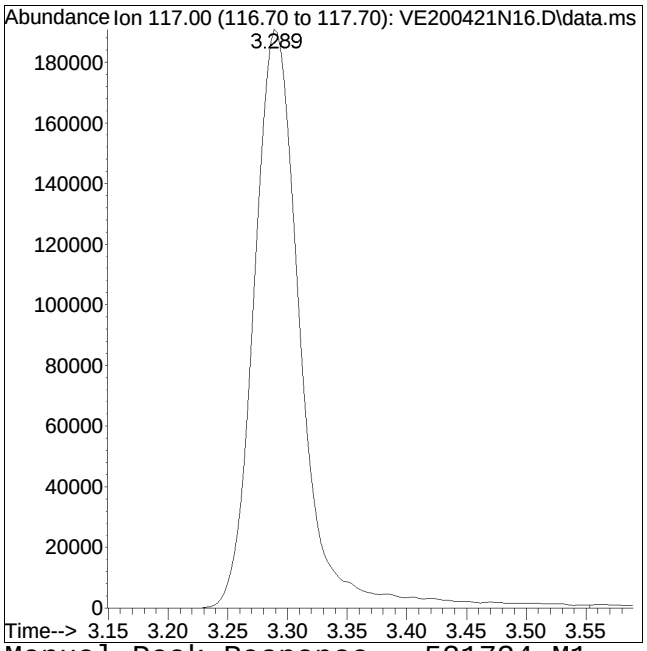
Original Peak Response = 269129 Manual Peak Response = 280721 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N16.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 7:48 pm Instrument : Elaine
Sample : I8260STDLL120PPB Quant Date : 4/23/2020 7:21 am

Compound #24: Halothane



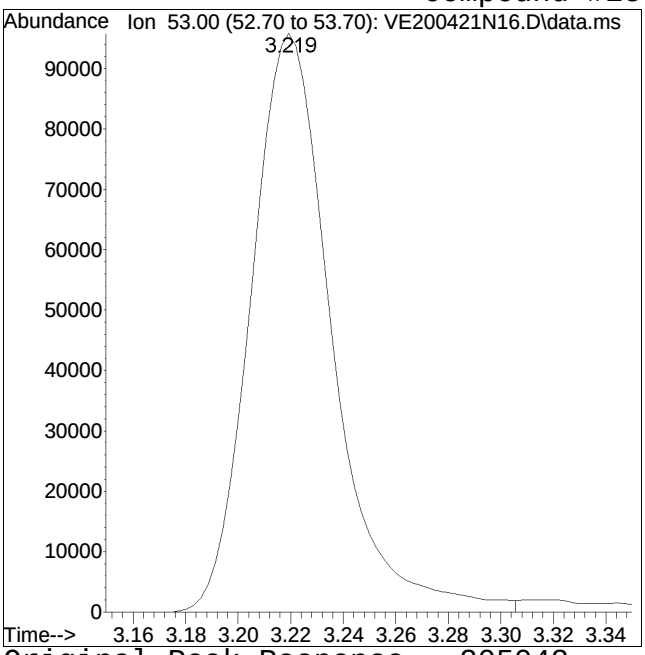


Original Peak Response = 498624 Manual Peak Response = 521734 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

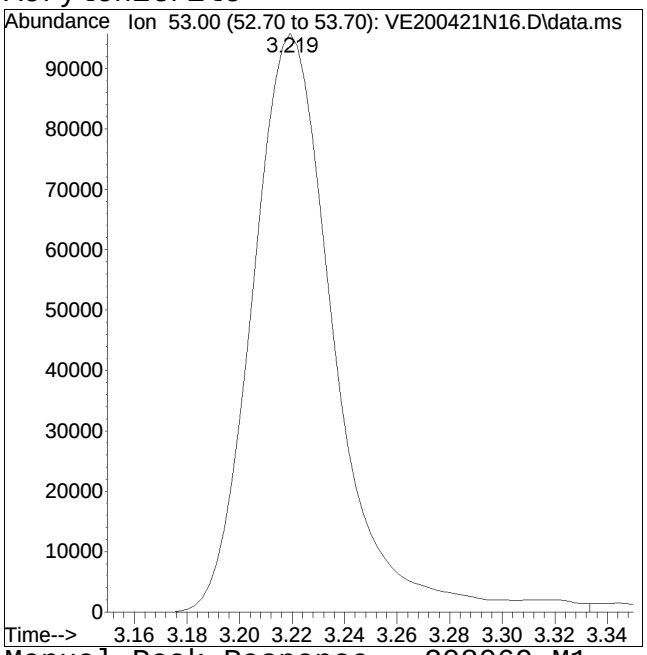
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N16.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 7:48 pm Instrument : Elaine
Sample : I8260STDLL120PPB Quant Date : 4/23/2020 7:21 am

Compound #25: Acrylonitrile



Original Peak Response = 205042



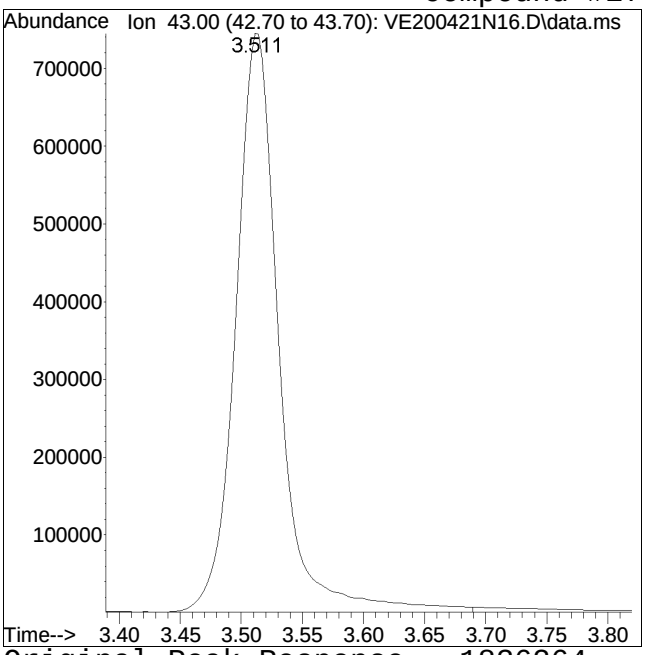
Manual Peak Response = 208069 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

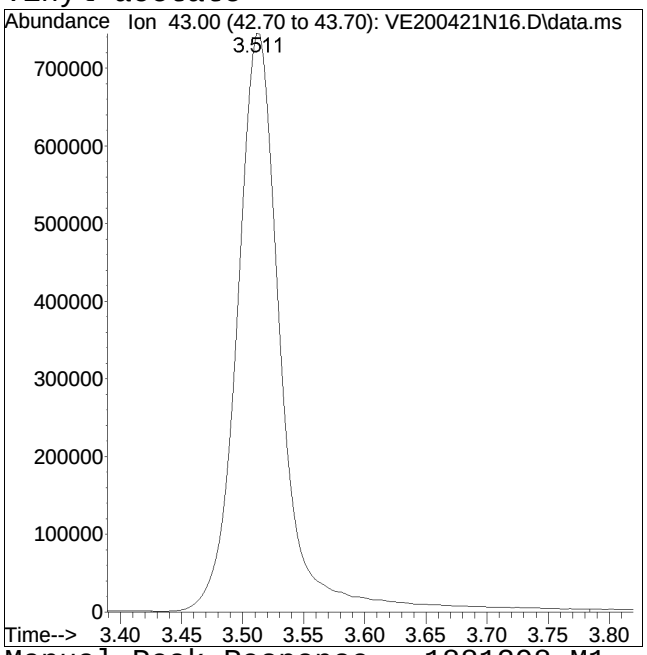
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N16.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 7:48 pm Instrument : Elaine
Sample : I8260STDLL120PPB Quant Date : 4/23/2020 7:21 am

Compound #27: Vinyl acetate



Original Peak Response = 1836264



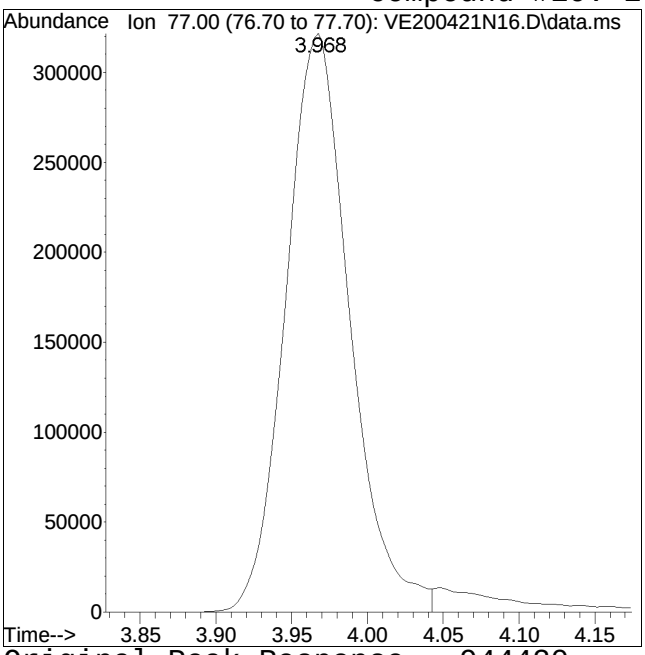
Manual Peak Response = 1881298 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

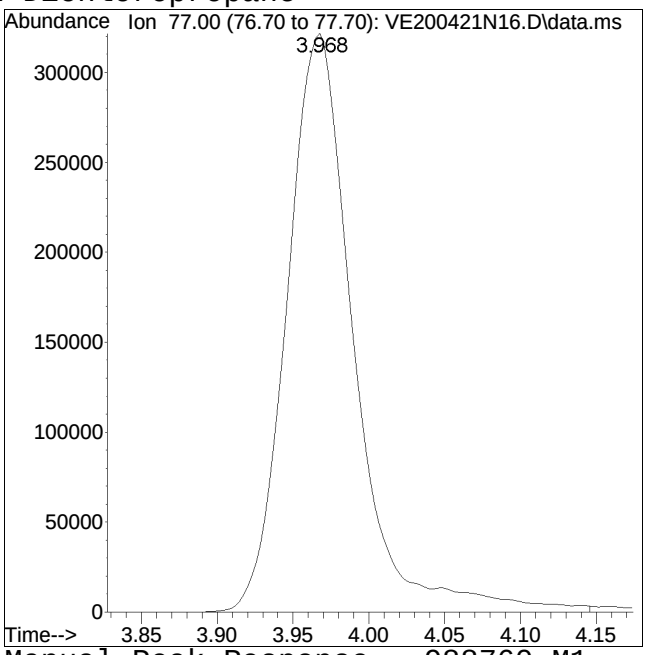
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N16.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 7:48 pm Instrument : Elaine
Sample : I8260STDLL120PPB Quant Date : 4/23/2020 7:21 am

Compound #29: 2,2-Dichloropropane



Original Peak Response = 944420



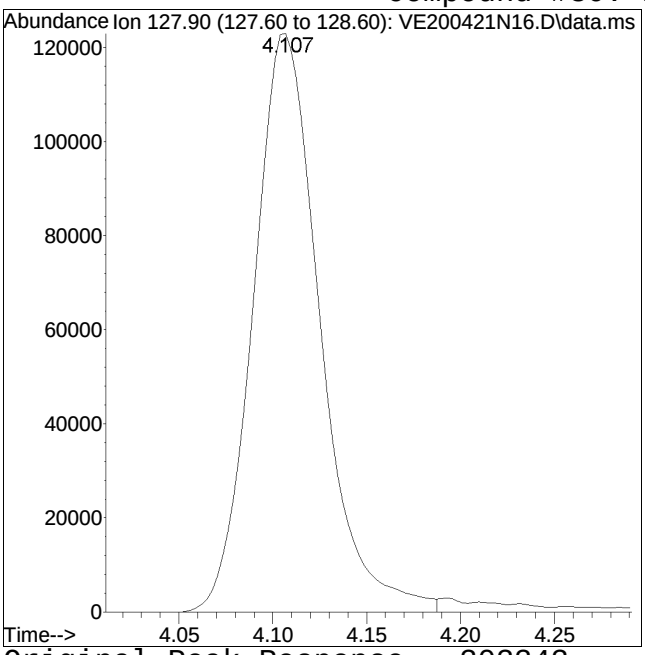
Manual Peak Response = 988760 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

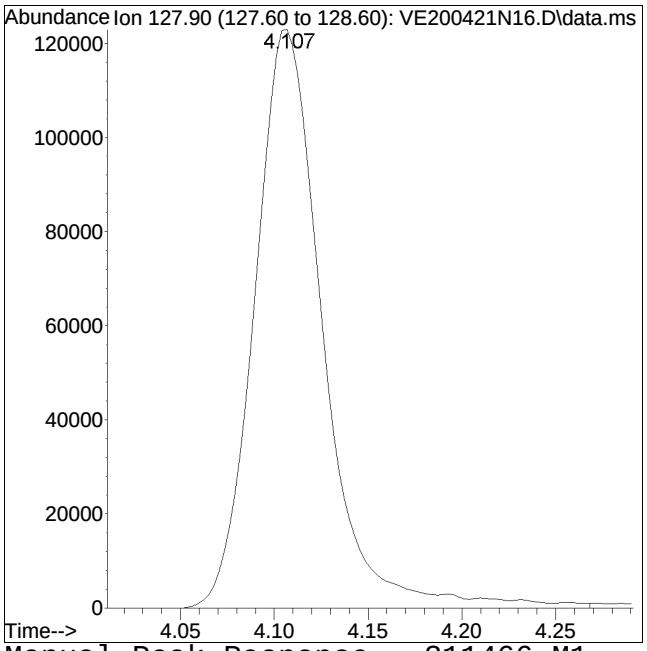
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N16.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 7:48 pm Instrument : Elaine
Sample : I8260STDLL120PPB Quant Date : 4/23/2020 7:21 am

Compound #30: Bromochloromethane



Original Peak Response = 303343



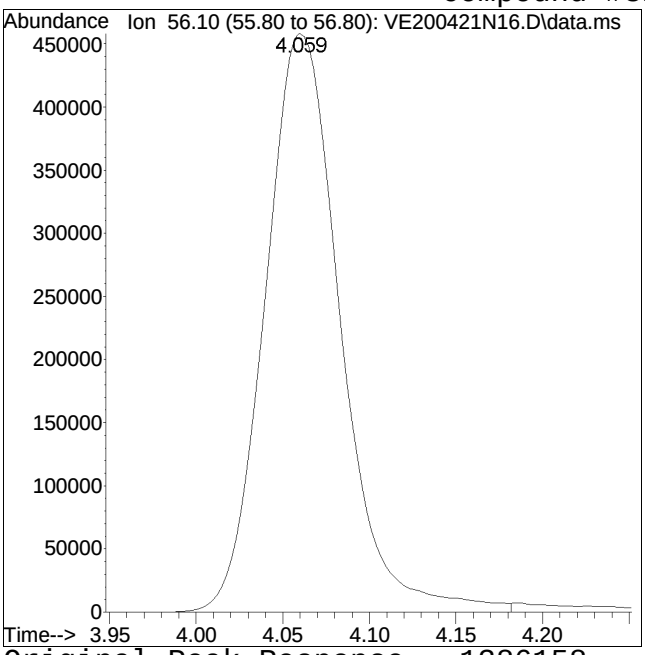
Manual Peak Response = 311466 M1

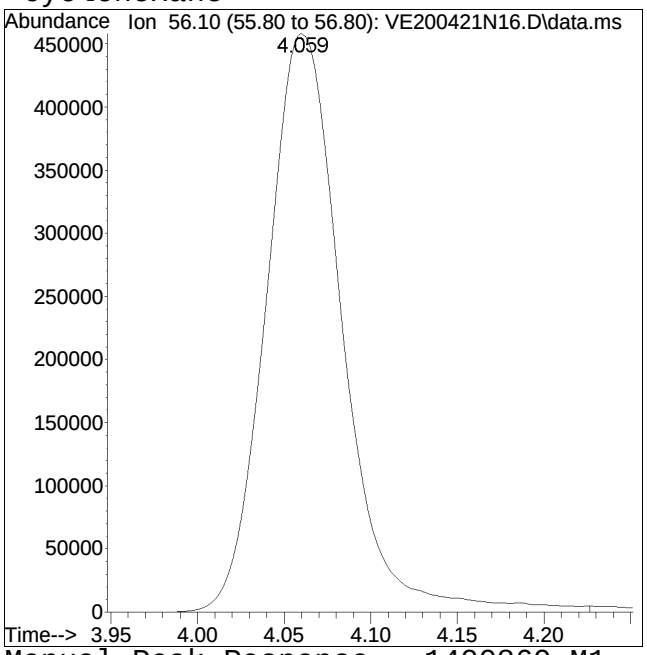
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N16.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 7:48 pm Instrument : Elaine
Sample : I8260STDLL120PPB Quant Date : 4/23/2020 7:21 am

Compound #31: Cyclohexane



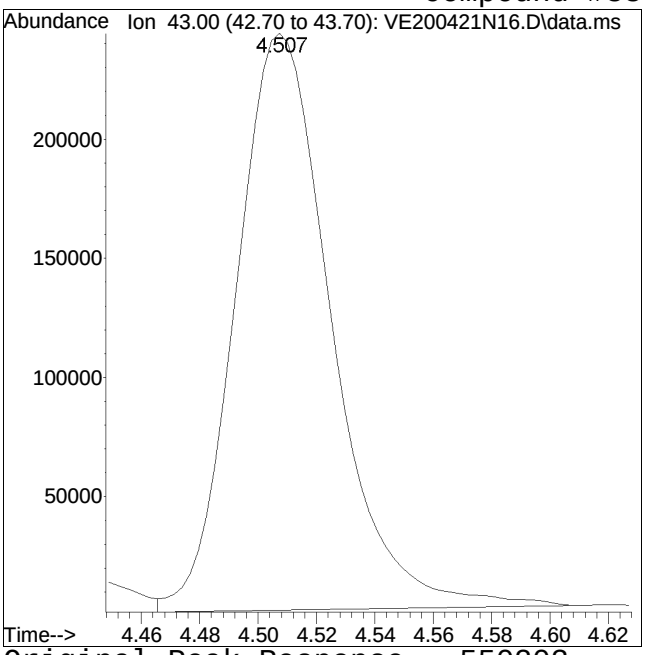


Original Peak Response = 1386158 Manual Peak Response = 1400869 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

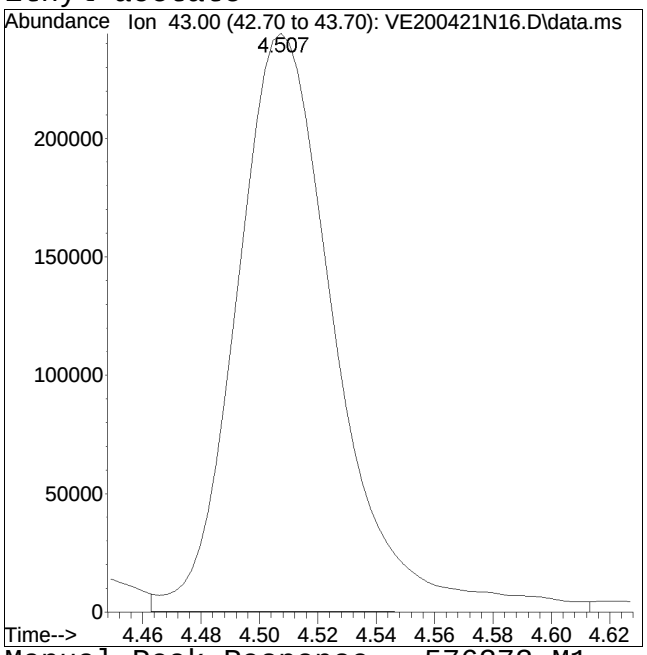
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N16.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 7:48 pm Instrument : Elaine
Sample : I8260STDLL120PPB Quant Date : 4/23/2020 7:21 am

Compound #33: Ethyl acetate



Original Peak Response = 550203



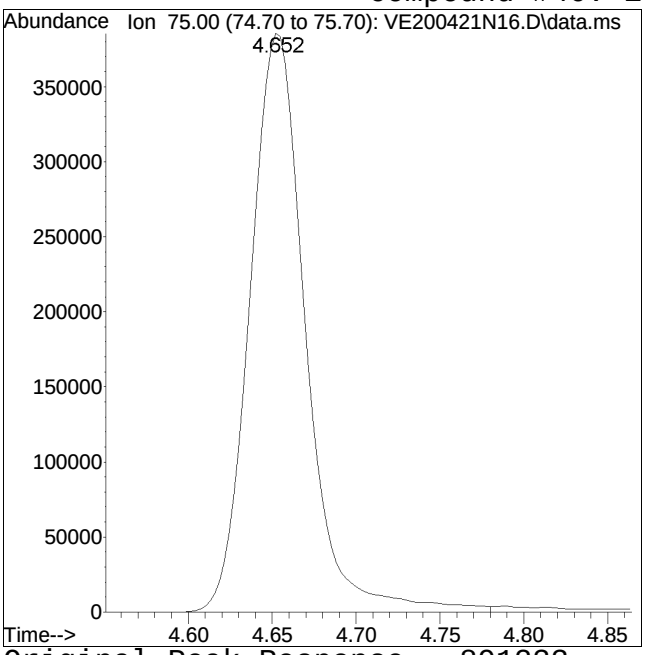
Manual Peak Response = 576373 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

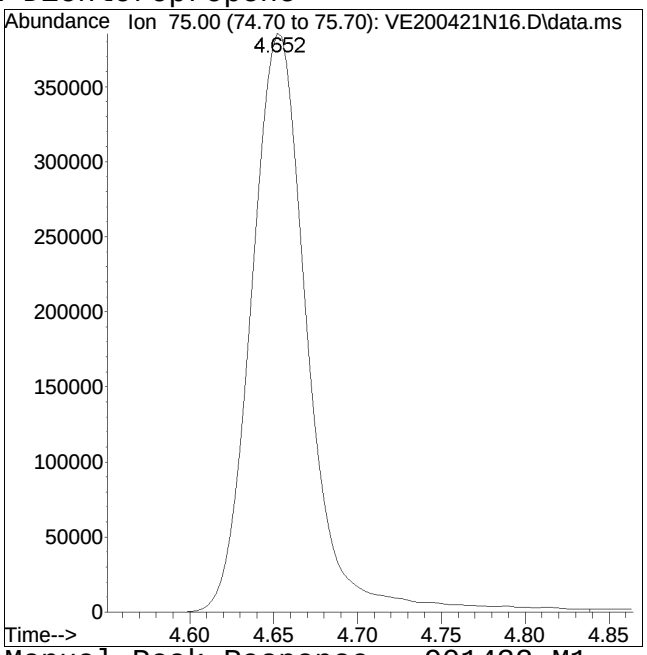
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N16.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 7:48 pm Instrument : Elaine
Sample : I8260STDLL120PPB Quant Date : 4/23/2020 7:21 am

Compound #40: 1,1-Dichloropropene



Original Peak Response = 891233



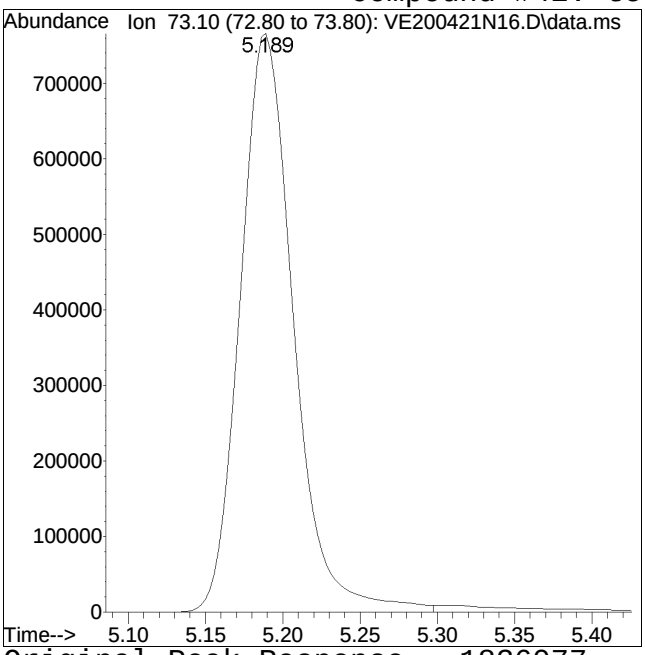
Manual Peak Response = 901432 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

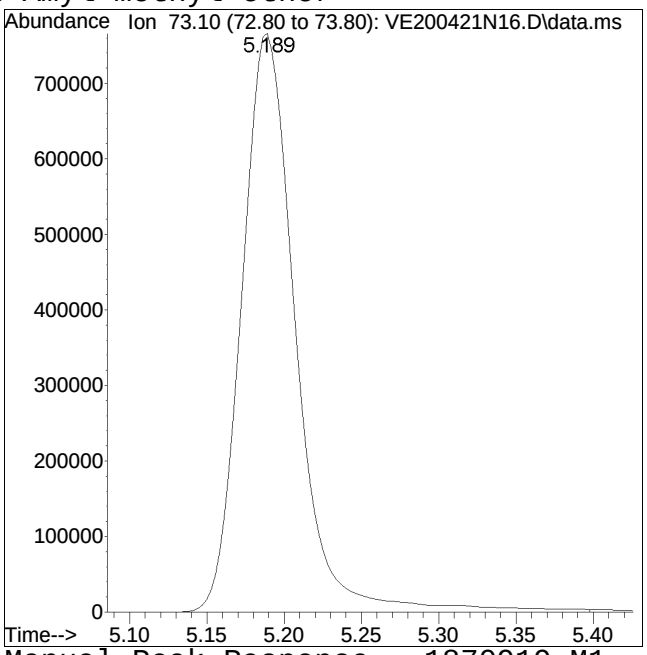
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N16.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 7:48 pm Instrument : Elaine
Sample : I8260STDLL120PPB Quant Date : 4/23/2020 7:21 am

Compound #42: tert-Amyl methyl ether



Original Peak Response = 1836077



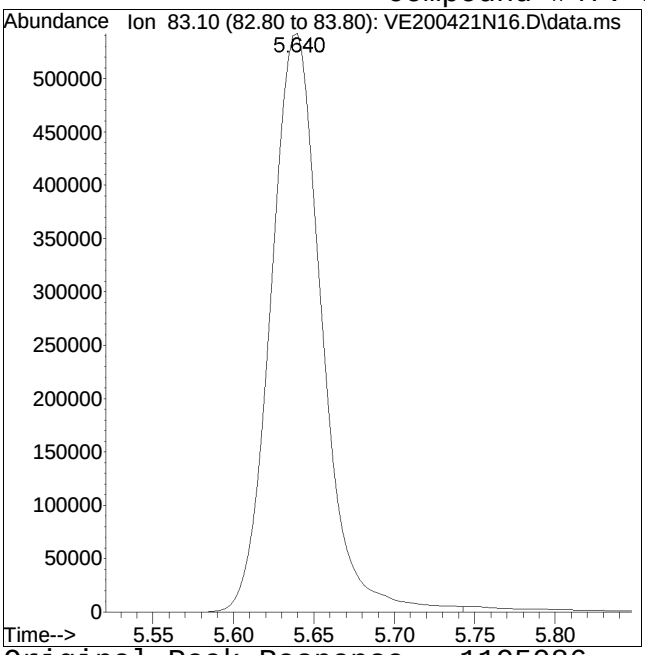
Manual Peak Response = 1870919 M1

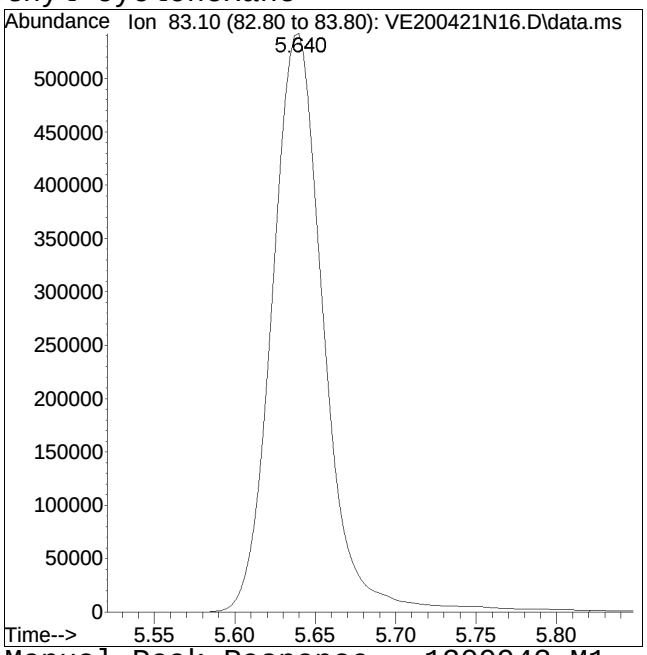
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N16.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 7:48 pm Instrument : Elaine
Sample : I8260STDLL120PPB Quant Date : 4/23/2020 7:21 am

Compound #47: Methyl cyclohexane



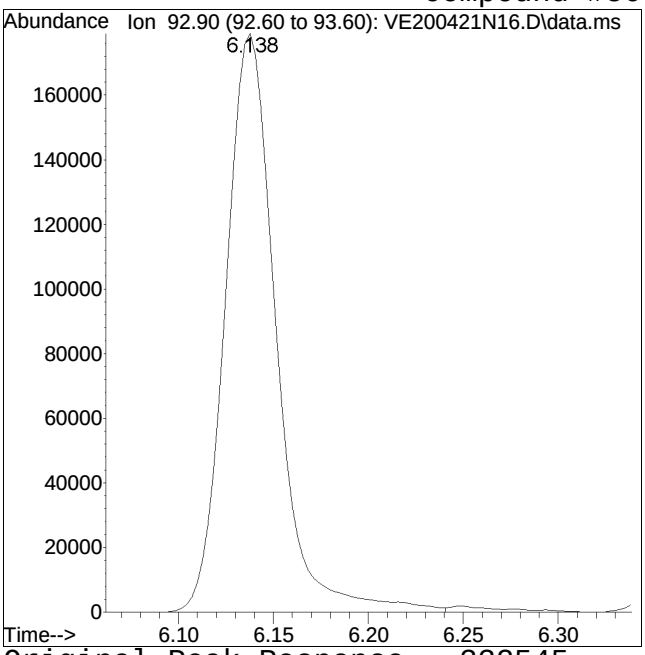


Original Peak Response = 1195086 Manual Peak Response = 1209943 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

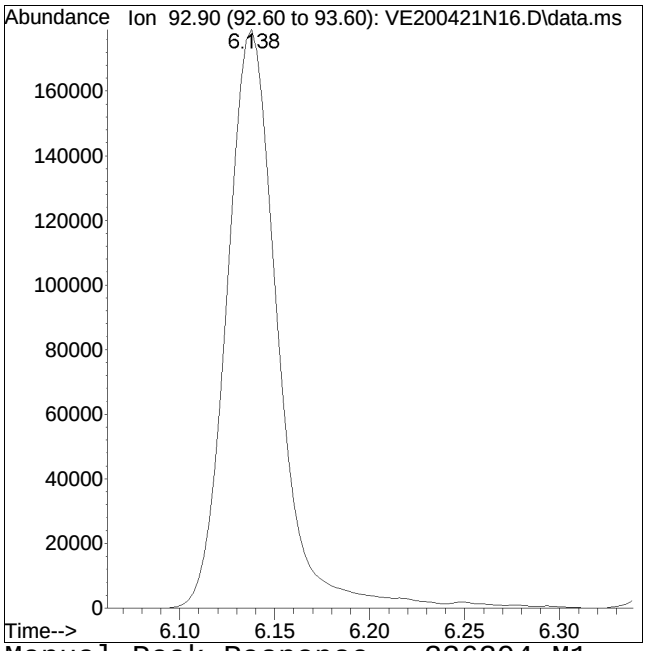
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N16.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 7:48 pm Instrument : Elaine
Sample : I8260STDLL120PPB Quant Date : 4/23/2020 7:21 am

Compound #50: Dibromomethane



Original Peak Response = 332545



Manual Peak Response = 336304 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2020\200421N\
Data File : VE200421N17.D
Acq On : 21 Apr 2020 8:10 pm
Operator : ELAINE:AD
Sample : I8260STDLL200PPB
Misc : WG1363751
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 23 07:21:33 2020
Quant Method : I:\VOLATILES\Elaine\2020\200421N\Elaine_200421N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 23 07:10:35 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2020\200421N\VE200421N13.D
Sub List : 8260-CurvePenta - All compounds listed

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.492	96	279285	10.000 ug/L	0.00
Standard Area 1 = 258855			Recovery = 107.89%		
59) Chlorobenzene-d5	8.500	117	201441	10.000 ug/L	0.00
Standard Area 1 = 197747			Recovery = 101.87%		
79) 1,4-Dichlorobenzene-d4	9.991	152	109001	10.000 ug/L	0.00
Standard Area 1 = 100890			Recovery = 108.04%		
System Monitoring Compounds					
36) Dibromofluoromethane	4.508	113	66648	10.045 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.45%		
43) 1,2-Dichloroethane-d4	5.150	65	78767	10.016 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.16%		
60) Toluene-d8	7.198	98	276123	10.148 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.48%		
83) 4-Bromofluorobenzene	9.321	95	99885	9.559 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.59%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.938	85	948043	207.067 ug/L	100
3) Chloromethane	1.060	50	1405560M1	201.869 ug/L	
4) Vinyl chloride	1.113	62	1303311	203.444 ug/L	96
5) Bromomethane	1.319	94	712772	206.615 ug/L	99
6) Chloroethane	1.400	64	702293M1	190.216 ug/L	
7) Trichlorofluoromethane	1.492	101	1474930M1	211.428 ug/L	
8) Ethyl ether	1.739	74	591407	194.769 ug/L	80
10) 1,1-Dichloroethene	1.862	96	995622	216.070 ug/L #	69
11) Carbon disulfide	1.867	76	2190700	209.165 ug/L	95
12) Freon-113	1.903	101	1018930M1	216.585 ug/L	
13) Iodomethane	1.967	142	1244579M1	212.234 ug/L	
14) Acrolein	2.151	56	150855M1	202.299 ug/L	
15) Methylene chloride	2.357	84	1018409	193.584 ug/L	83
17) Acetone	2.418	43	234460	184.224 ug/L	98
18) trans-1,2-Dichloroethene	2.499	96	986486	213.774 ug/L	84
19) Methyl acetate	2.543	43	702933	184.042 ug/L #	97
20) Methyl tert-butyl ether	2.624	73	2819723	197.729 ug/L	99
21) tert-Butyl alcohol	2.791	59	456955	999.720 ug/L #	67
22) Diisopropyl ether	3.055	45	4364303	197.561 ug/L	98
23) 1,1-Dichloroethane	3.141	63	2086400	205.792 ug/L	99
24) Halothane	3.292	117	868943M1	200.487 ug/L	

Data Path : I:\VOLATILES\Elaine\2020\200421N\
Data File : VE200421N17.D
Acq On : 21 Apr 2020 8:10 pm
Operator : ELAINE:AD
Sample : I8260STDLL200PPB
Misc : WG1363751
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 23 07:21:33 2020
Quant Method : I:\VOLATILES\Elaine\2020\200421N\Elaine_200421N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 23 07:10:35 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2020\200421N\VE200421N13.D
Sub List : 8260-CurvePenta - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	3.219	53	344561	200.675	ug/L		96
26) Ethyl tert-butyl ether	3.498	59	3822319	197.535	ug/L		85
27) Vinyl acetate	3.514	43	2995962	200.399	ug/L		97
28) cis-1,2-Dichloroethene	3.831	96	1220978M1	210.187	ug/L		
29) 2,2-Dichloropropane	3.968	77	1622148	206.476	ug/L		96
30) Bromochloromethane	4.107	128	483741	190.871	ug/L	#	69
31) Cyclohexane	4.062	56	2320913	215.833	ug/L		82
32) Chloroform	4.266	83	1790307	199.650	ug/L		98
33) Ethyl acetate	4.508	43	950664M1	196.285	ug/L		
34) Carbon tetrachloride	4.377	117	1460752	212.728	ug/L		98
35) Tetrahydrofuran	4.441	42	270795	197.246	ug/L	#	78
37) 1,1,1-Trichloroethane	4.480	97	1674600	208.930	ug/L	#	97
39) 2-Butanone	4.700	43	410865	195.155	ug/L	#	81
40) 1,1-Dichloropropene	4.655	75	1500776M1	213.916	ug/L		
41) Benzene	4.969	78	4357280	197.219	ug/L		95
42) tert-Amyl methyl ether	5.189	73	3016816	195.318	ug/L		91
44) 1,2-Dichloroethane	5.234	62	1367623M1	196.534	ug/L		
47) Methyl cyclohexane	5.640	83	1990880	215.800	ug/L		84
48) Trichloroethene	5.684	95	1075812	198.759	ug/L		90
50) Dibromomethane	6.138	93	547585	198.783	ug/L		91
51) 1,2-Dichloropropane	6.252	63	1179057	199.536	ug/L	#	93
53) 2-Chloroethyl vinyl ether	7.014	63	658330	198.904	ug/L		96
54) Bromodichloromethane	6.361	83	1376754	205.127	ug/L		98
57) 1,4-Dioxane	6.589	88	78150	2053.233	ug/L	#	83
58) cis-1,3-Dichloropropene	7.023	75	1763630	202.254	ug/L		98
61) Toluene	7.248	92	2760240	207.229	ug/L		92
62) 4-Methyl-2-pentanone	7.663	58	363672	207.631	ug/L	#	94
63) Tetrachloroethene	7.601	166	1181878	211.036	ug/L		86
65) trans-1,3-Dichloropropene	7.679	75	1551466	204.458	ug/L		98
67) Ethyl methacrylate	7.866	69	1215004	205.530	ug/L		99
68) 1,1,2-Trichloroethane	7.807	83	685875	196.189	ug/L		93
69) Chlorodibromomethane	7.941	129	990941	206.735	ug/L		94
70) 1,3-Dichloropropane	8.019	76	1450539	197.751	ug/L		98
71) 1,2-Dibromoethane	8.099	107	817640	201.652	ug/L		98
72) 2-Hexanone	8.341	43	637350	195.009	ug/L		95
73) Chlorobenzene	8.511	112	2790156	196.062	ug/L		90
74) Ethylbenzene	8.553	91	4695676	193.967	ug/L		92
75) 1,1,1,2-Tetrachloroethane	8.572	131	1041877	202.234	ug/L		94
76) p/m Xylene	8.661	106	3834752	397.574	ug/L		77
77) o Xylene	8.945	106	3598083	389.772	ug/L	#	71

Data Path : I:\VOLATILES\Elaine\2020\200421N\
Data File : VE200421N17.D
Acq On : 21 Apr 2020 8:10 pm
Operator : ELAINE:AD
Sample : I8260STDLL200PPB
Misc : WG1363751
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 23 07:21:33 2020
Quant Method : I:\VOLATILES\Elaine\2020\200421N\Elaine_200421N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 23 07:10:35 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2020\200421N\VE200421N13.D
Sub List : 8260-CurvePenta - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
78) Styrene	8.984	104	5542376	368.863	ug/L		96
80) Bromoform	8.987	173	607643	196.791	ug/L		96
82) Isopropylbenzene	9.154	105	4668585	182.365	ug/L		89
84) Bromobenzene	9.374	156	1195284	190.895	ug/L		98
85) n-Propylbenzene	9.413	91	5147896	179.020	ug/L	#	86
86) 1,4-Dichlorobutane	9.421	55	1620484	183.824	ug/L		91
87) 1,1,2,2-Tetrachloroethane	9.468	83	947332	190.498	ug/L		99
88) 4-Ethyltoluene	9.485	105	4526311	187.312	ug/L		90
89) 2-Chlorotoluene	9.496	91	3781143	188.335	ug/L		91
90) 1,3,5-Trimethylbenzene	9.538	105	3996638	186.465	ug/L	#	83
91) 1,2,3-Trichloropropane	9.538	75	789170	186.959	ug/L		99
92) trans-1,4-Dichloro-2-b...	9.571	53	324149	191.513	ug/L	#	76
93) 4-Chlorotoluene	9.599	91	3426068	188.666	ug/L		90
94) tert-Butylbenzene	9.724	119	3995084	189.445	ug/L		92
95) Pentachloroethane	9.733	167	745540	200.530	ug/L		97
97) 1,2,4-Trimethylbenzene	9.766	105	3975058	188.702	ug/L	#	85
98) sec-Butylbenzene	9.827	105	4649000	186.590	ug/L		92
99) p-Isopropyltoluene	9.916	119	4284656	185.308	ug/L		94
100) 1,3-Dichlorobenzene	9.947	146	2303178	192.866	ug/L		99
101) 1,4-Dichlorobenzene	10.000	146	2301438	192.459	ug/L		98
102) p-Diethylbenzene	10.128	119	2718092	204.121	ug/L		95
103) n-Butylbenzene	10.158	91	3852213	197.701	ug/L	#	90
104) 1,2-Dichlorobenzene	10.239	146	2139460	190.837	ug/L		99
105) 1,2,4,5-Tetramethylben...	10.581	119	4046425	191.390	ug/L		94
106) 1,2-Dibromo-3-chloropr...	10.695	155	179869	209.322	ug/L		91
107) 1,3,5-Trichlorobenzene	10.709	180	1647758	197.766	ug/L		94
108) Hexachlorobutadiene	11.054	225	612435	205.791	ug/L		96
109) 1,2,4-Trichlorobenzene	11.068	180	1550282	200.410	ug/L		98
110) Naphthalene	11.249	128	3393857	196.292	ug/L		100
111) 1,2,3-Trichlorobenzene	11.352	180	1402133	199.243	ug/L		99

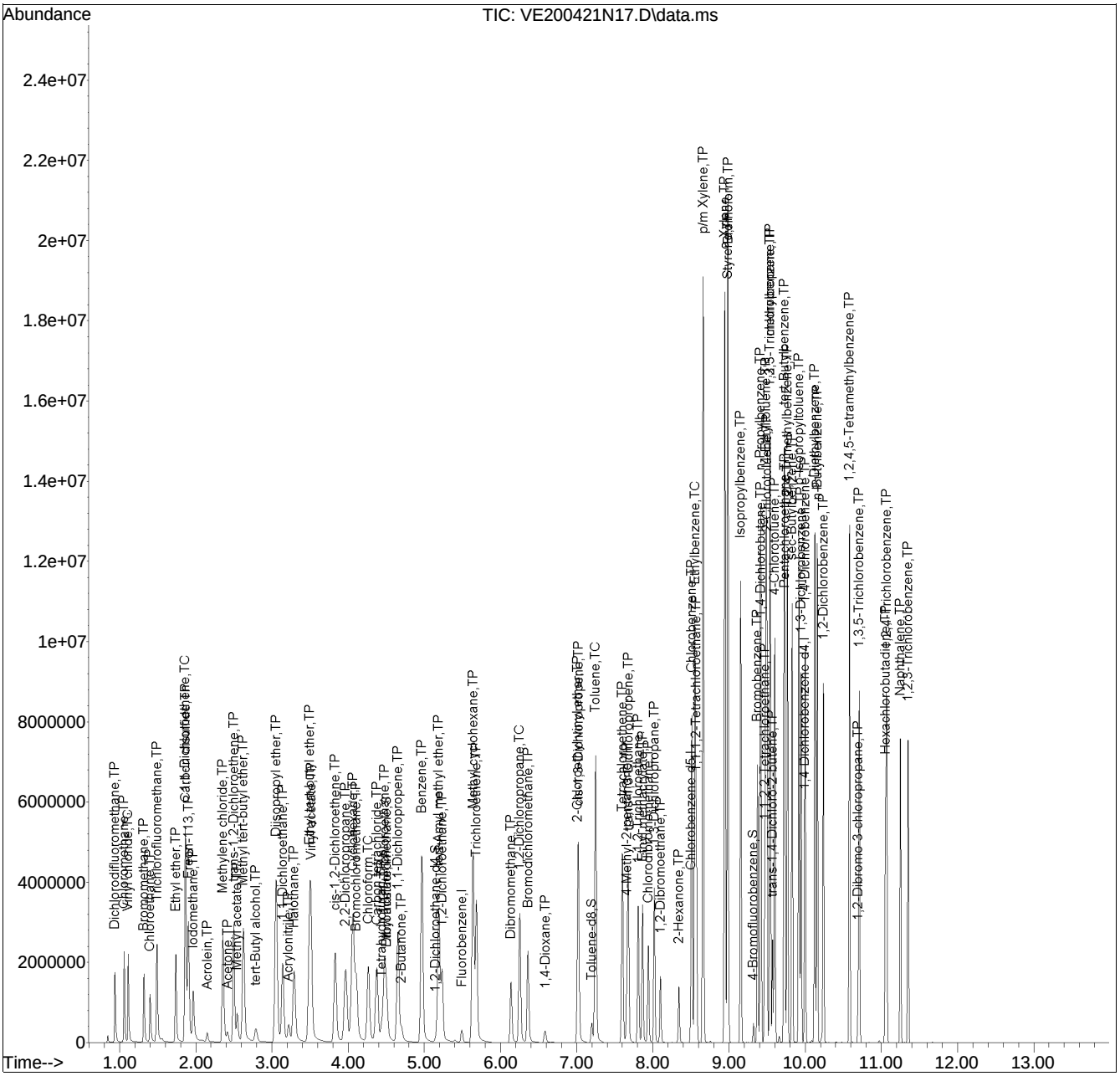
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2020\200421N\
Data File : VE200421N17.D
Acq On : 21 Apr 2020 8:10 pm
Operator : ELAINE:AD
Sample : I8260STDLL200PPB
Misc : WG1363751
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 23 07:21:33 2020
Quant Method : I:\VOLATILES\Elaine\2020\200421N\Elaine_200421N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 23 07:10:35 2020
Response via : Initial Calibration

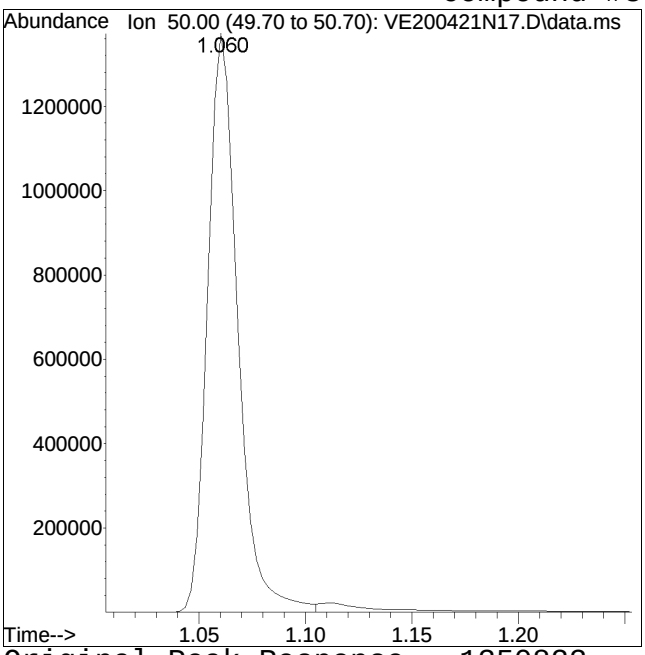
Sub List : 8260-CurvePenta - All compounds listedE200421N13.D•

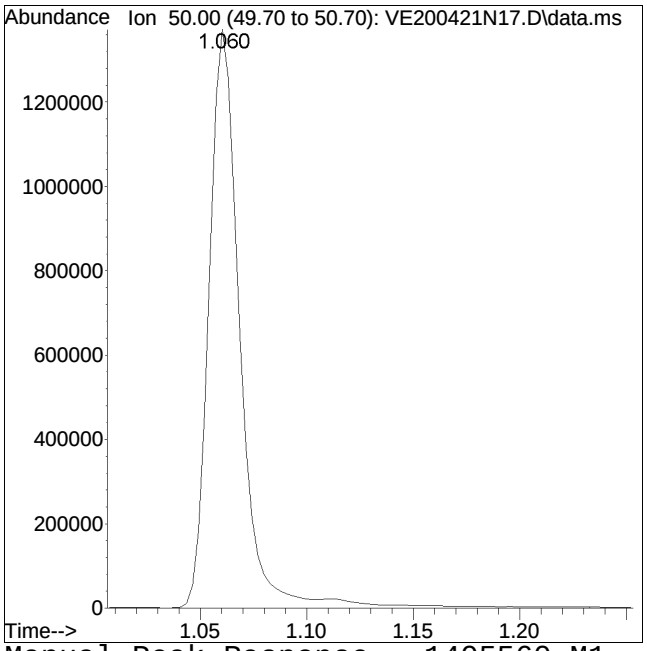


Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N17.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 8:10 pm Instrument : Elaine
Sample : I8260STDLL200PPB Quant Date : 4/23/2020 7:21 am

Compound #3: Chloromethane



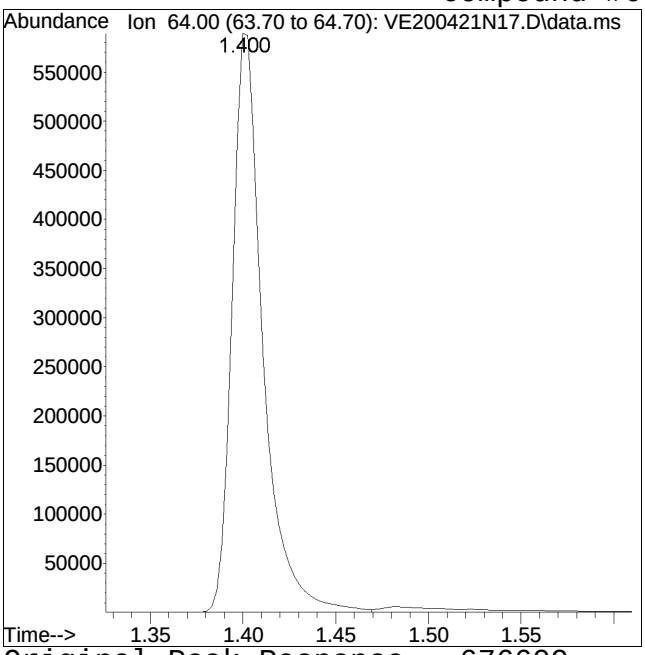


Original Peak Response = 1350823 Manual Peak Response = 1405560 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

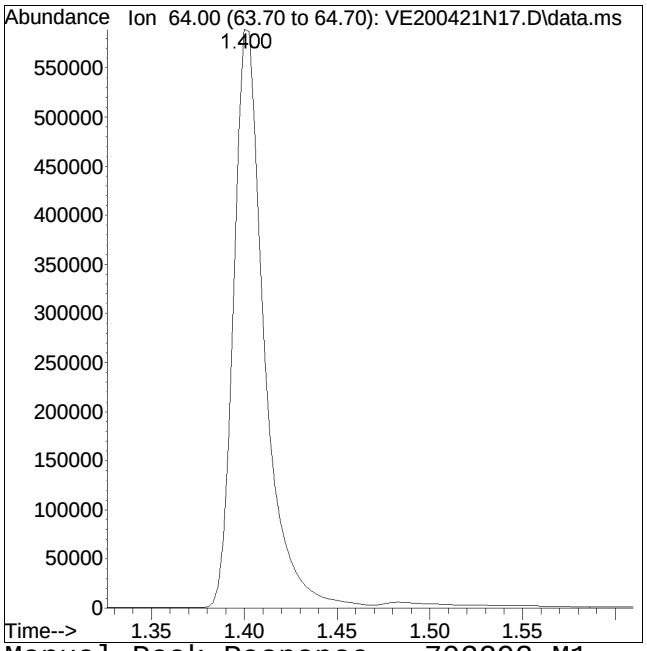
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N17.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 8:10 pm Instrument : Elaine
Sample : I8260STDLL200PPB Quant Date : 4/23/2020 7:21 am

Compound #6: Chloroethane



Original Peak Response = 676609



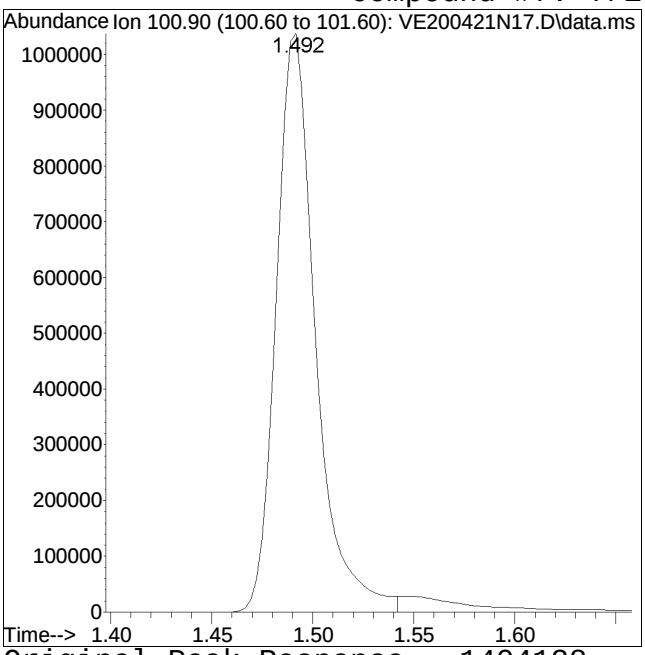
Manual Peak Response = 702293 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

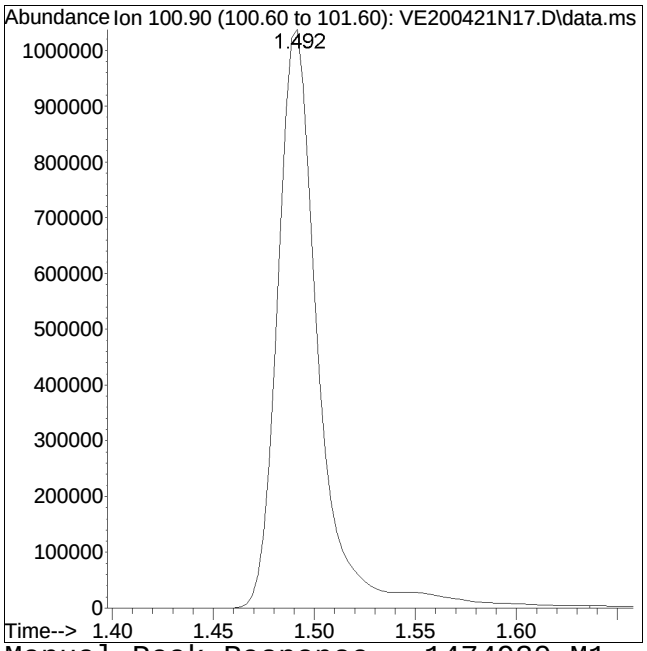
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N17.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 8:10 pm Instrument : Elaine
Sample : I8260STDLL200PPB Quant Date : 4/23/2020 7:21 am

Compound #7: Trichlorofluoromethane



Original Peak Response = 1404128



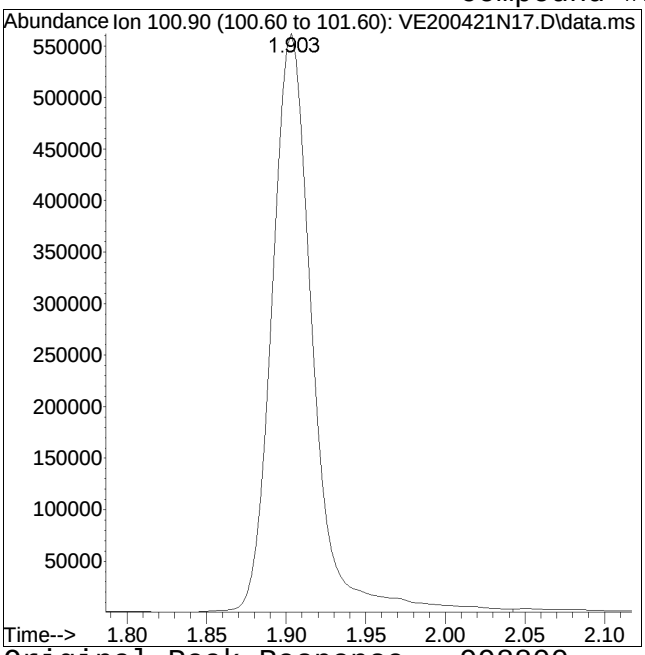
Manual Peak Response = 1474930 M1

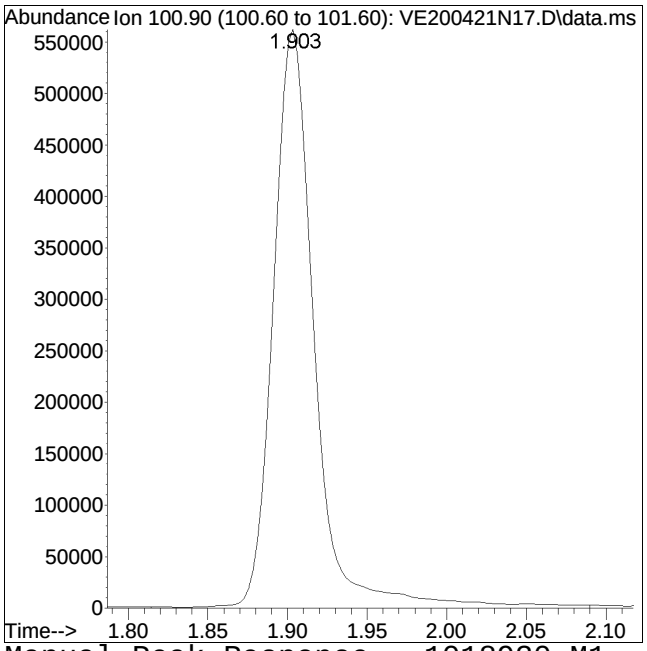
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N17.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 8:10 pm Instrument : Elaine
Sample : I8260STDLL200PPB Quant Date : 4/23/2020 7:21 am

Compound #12: Freon-113



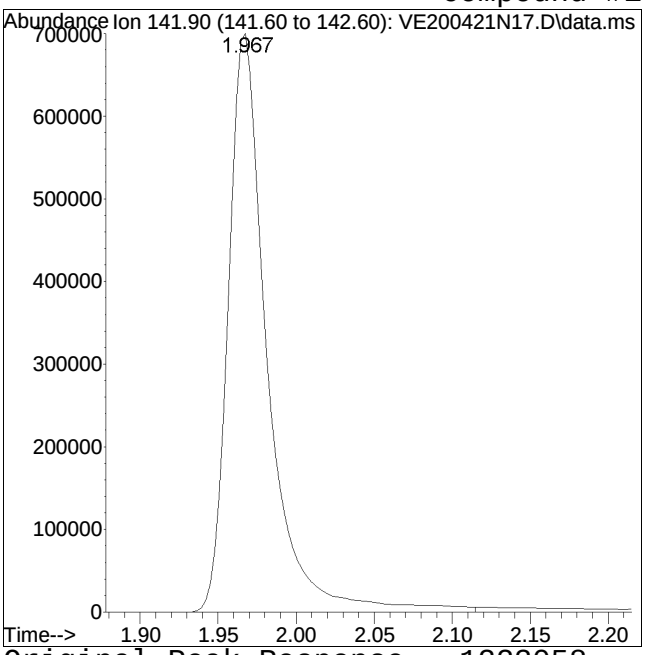


Original Peak Response = 998800 Manual Peak Response = 1018930 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

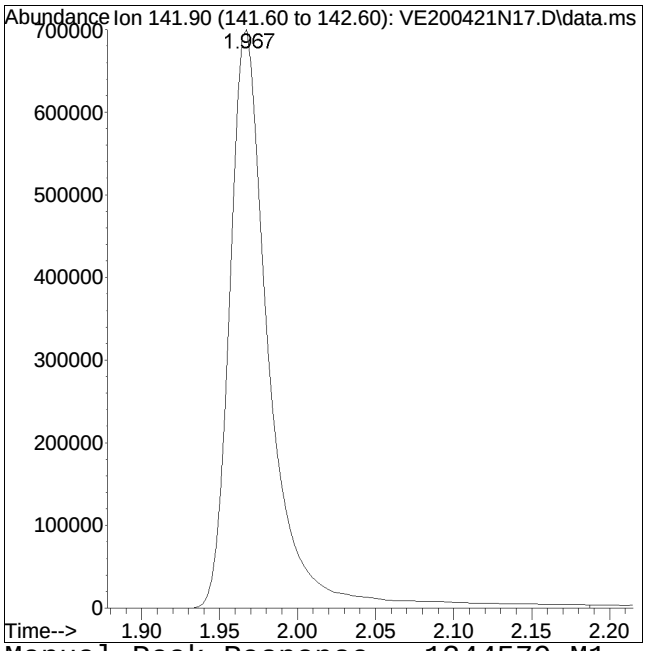
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N17.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 8:10 pm Instrument : Elaine
Sample : I8260STDLL200PPB Quant Date : 4/23/2020 7:21 am

Compound #13: Iodomethane



Original Peak Response = 1223058



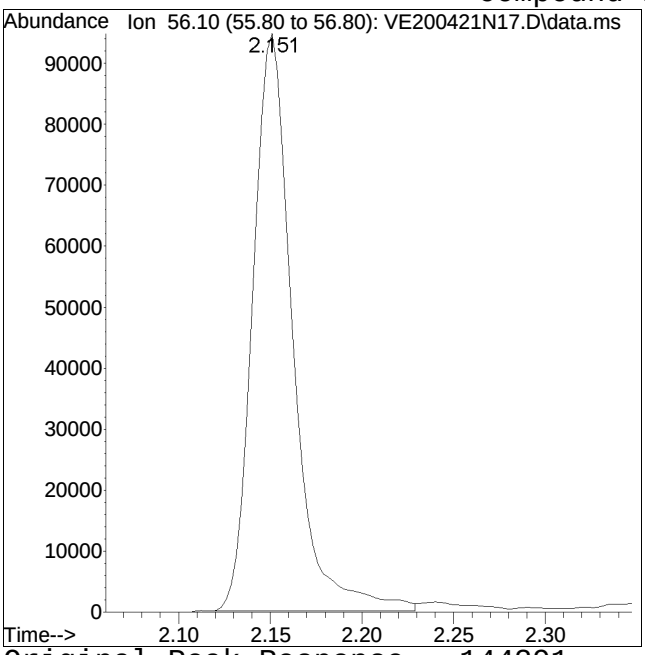
Manual Peak Response = 1244579 M1

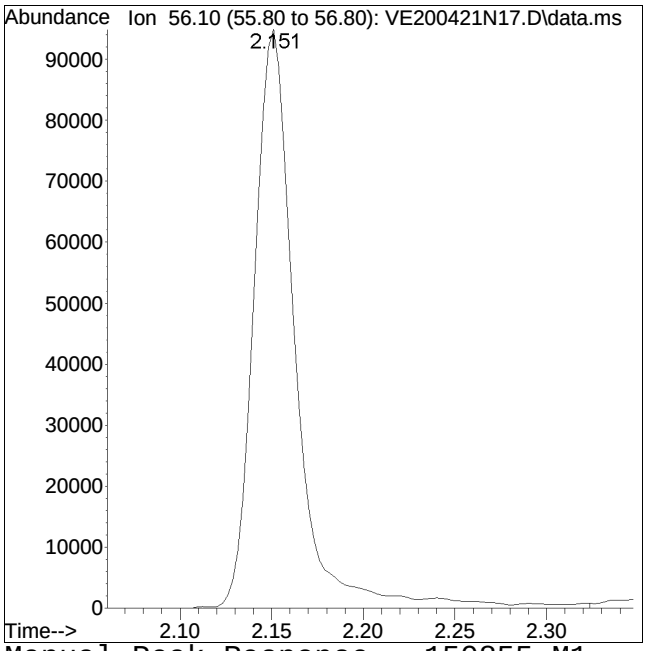
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N17.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 8:10 pm Instrument : Elaine
Sample : I8260STDLL200PPB Quant Date : 4/23/2020 7:21 am

Compound #14: Acrolein



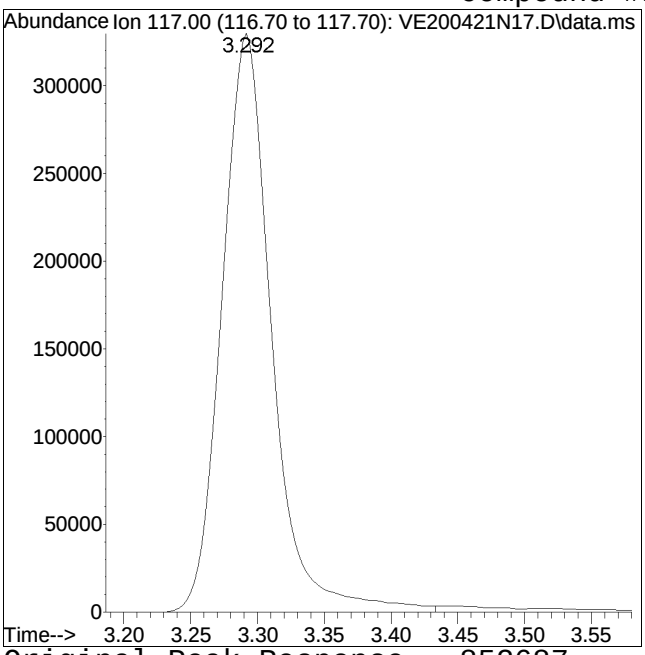


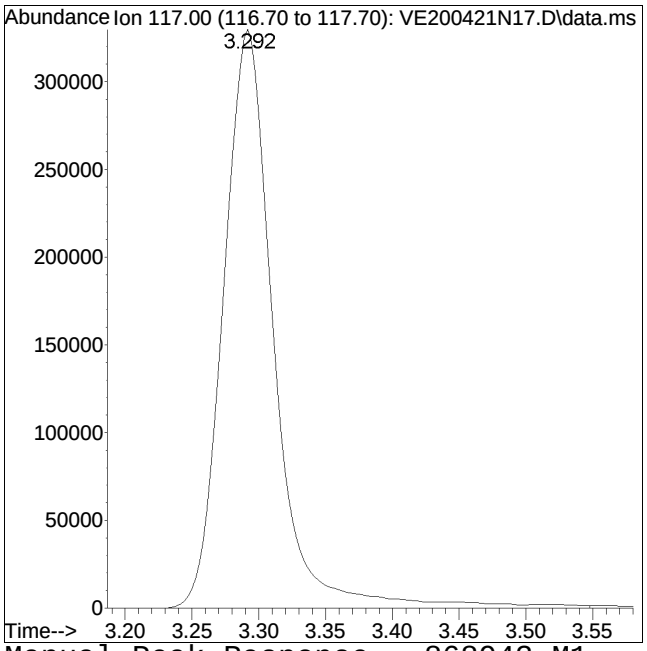
Original Peak Response = 144291 Manual Peak Response = 150855 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N17.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 8:10 pm Instrument : Elaine
Sample : I8260STDLL200PPB Quant Date : 4/23/2020 7:21 am

Compound #24: Halothane



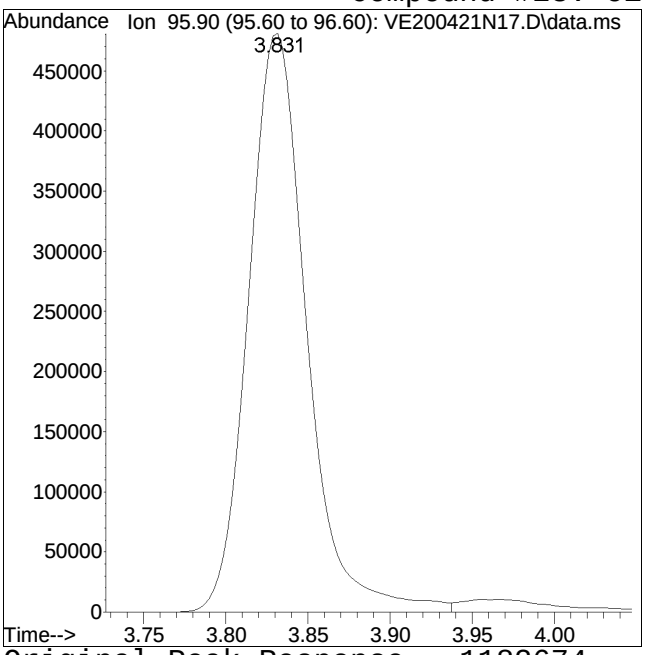


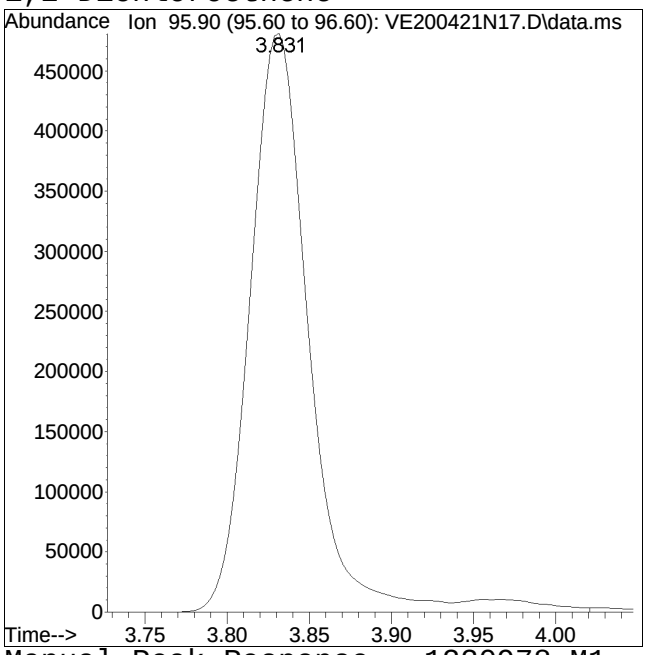
Original Peak Response = 852687 Manual Peak Response = 868943 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N17.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 8:10 pm Instrument : Elaine
Sample : I8260STDLL200PPB Quant Date : 4/23/2020 7:21 am

Compound #28: cis-1,2-Dichloroethene



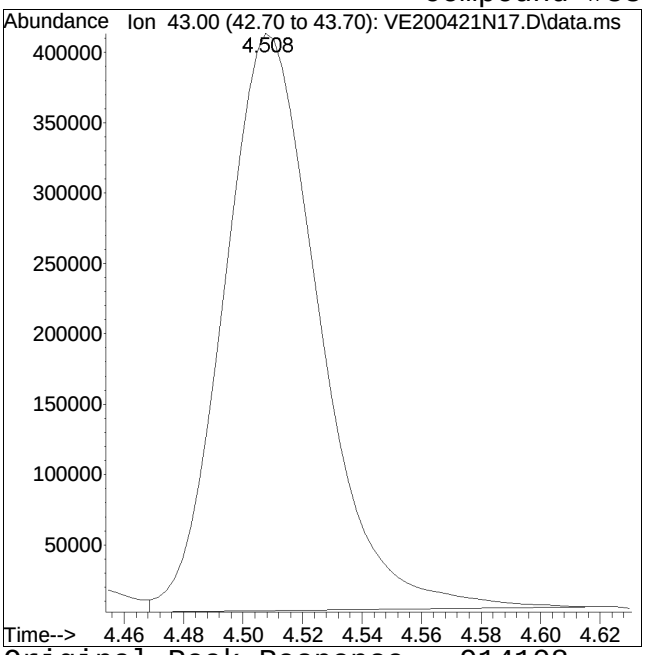


Original Peak Response = 1182674 Manual Peak Response = 1220978 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

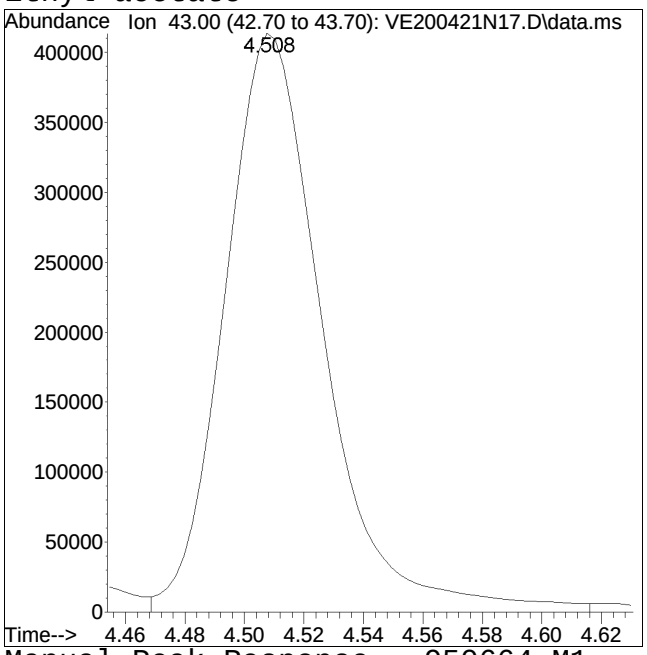
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N17.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 8:10 pm Instrument : Elaine
Sample : I8260STDLL200PPB Quant Date : 4/23/2020 7:21 am

Compound #33: Ethyl acetate



Original Peak Response = 914108



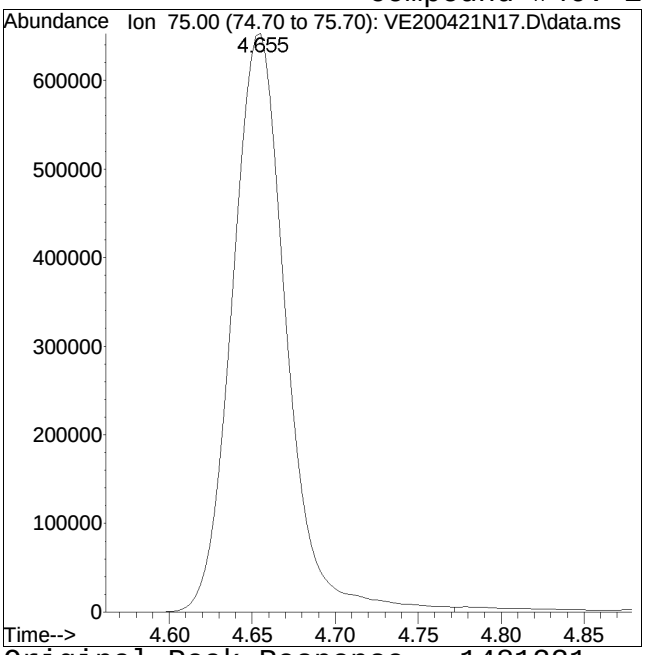
Manual Peak Response = 950664 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

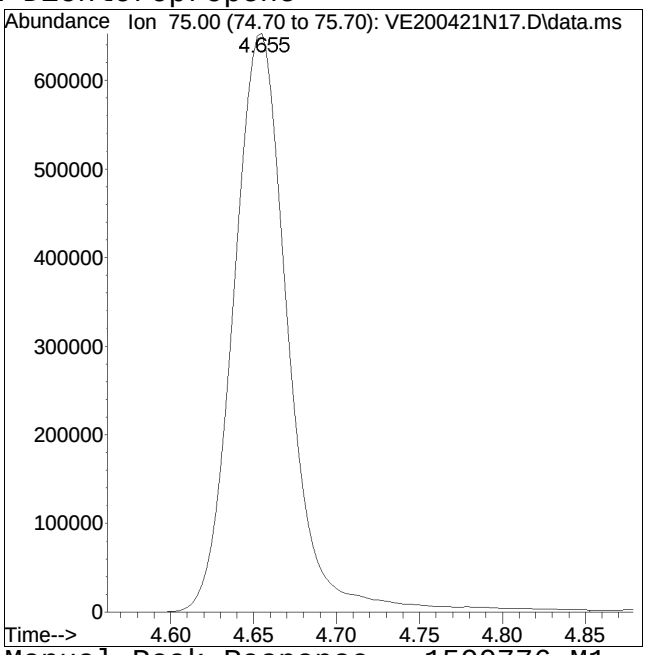
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N17.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 8:10 pm Instrument : Elaine
Sample : I8260STDLL200PPB Quant Date : 4/23/2020 7:21 am

Compound #40: 1,1-Dichloropropene



Original Peak Response = 1481221



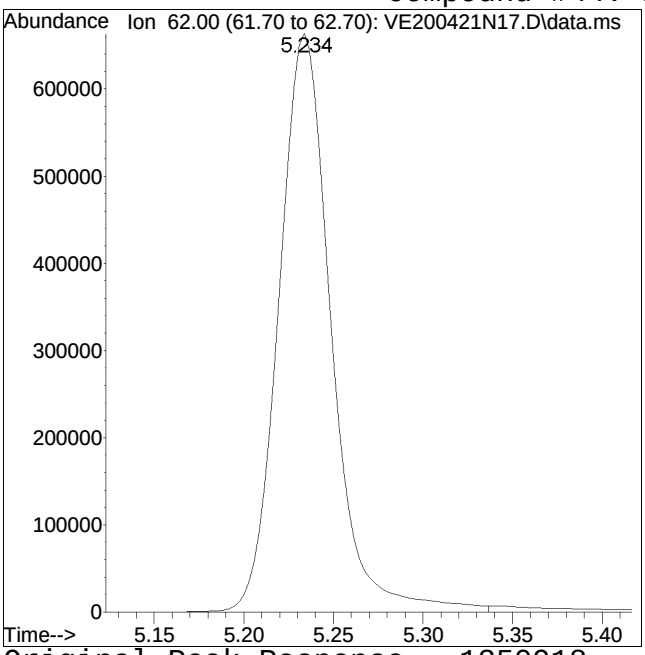
Manual Peak Response = 1500776 M1

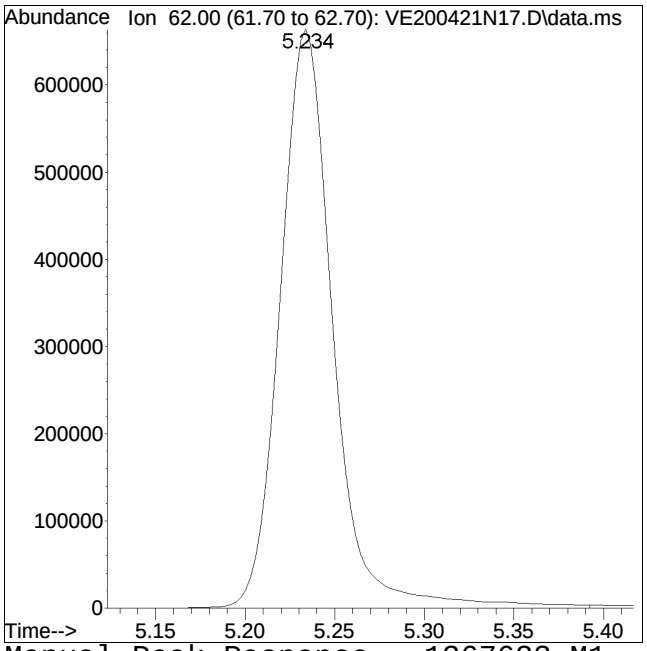
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N17.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 8:10 pm Instrument : Elaine
Sample : I8260STDLL200PPB Quant Date : 4/23/2020 7:21 am

Compound #44: 1,2-Dichloroethane





Original Peak Response = 1350918 Manual Peak Response = 1367623 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\Elaine\2020\200421N\
Data File : VE200421N23.D
Acq On : 21 Apr 2020 10:18 pm
Operator : ELAINE:AD
Sample : C8260STDLL10PPB
Misc : WG1363751
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 22 18:27:45 2020
Quant Method : I:\VOLATILES\Elaine\2020\200421N\Elaine_200421N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 22 18:24:02 2020
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	103	0.00
2	TP	Dichlorodifluoromethane	0.164	0.104	36.6#	56	0.00
3	TP	Chloromethane	0.249	0.211	15.3	76	0.00
4	TC	Vinyl chloride	0.229	0.201	12.2	83	0.00
5	TP	Bromomethane	0.124	0.131	-5.6	101	0.00
6	TP	Chloroethane	0.132	0.129	2.3	87	0.00
7	TP	Trichlorofluoromethane	0.250	0.247	1.2	92	0.00
8	TP	Ethyl ether	0.109	0.114	-4.6	97	0.00
10	TC	1,1-Dichloroethene	0.165	0.145	12.1	80	0.00
11	TP	Carbon disulfide	0.375	0.432	-15.2	102	0.00
12	TP	Freon-113	0.168	0.162	3.6	86	0.00
13	TP	Iodomethane	0.210	0.139	33.8#	69	0.00
14	TP	Acrolein	0.027	0.030#	-11.1	100	0.00
15	TP	Methylene chloride	0.188	0.175	6.9	87	0.00
17	TP	Acetone	0.046	0.051#	-10.9	103	0.00
18	TP	trans-1,2-Dichloroethene	0.165	0.163	1.2	89	0.00
19	TP	Methyl acetate	0.137	0.137	0.0	99	0.00
20	TP	Methyl tert-butyl ether	0.511	0.500	2.2	89	0.00
21	TP	tert-Butyl alcohol	0.016	0.016#	0.0	90	0.00
22	TP	Diisopropyl ether	0.791	0.818	-3.4	96	0.00
23	TP	1,1-Dichloroethane	0.363	0.365	-0.6	92	0.00
24	TP	Halothane	0.155	0.134	13.5	83	0.00
25	TP	Acrylonitrile	0.061	0.066	-8.2	100	0.00
26	TP	Ethyl tert-butyl ether	0.693	0.698	-0.7	94	0.00
27	TP	Vinyl acetate	0.535	0.520	2.8	88	0.00
28	TP	cis-1,2-Dichloroethene	0.208	0.194	6.7	87	0.00
29	TP	2,2-Dichloropropane	0.281	0.245	12.8	81	0.00
30	TP	Bromochloromethane	0.091	0.091	0.0	91	0.00
31	TP	Cyclohexane	0.385	0.363	5.7	88	0.00
32	TC	Chloroform	0.321	0.308	4.0	91	0.00
33	TP	Ethyl acetate	0.173	0.134	22.5#	73	0.00
34	TP	Carbon tetrachloride	0.246	0.222	9.8	85	0.00
35	TP	Tetrahydrofuran	0.049	0.048#	2.0	95	0.00
36	S	Dibromofluoromethane	0.238	0.235	1.3	101	0.00
37	TP	1,1,1-Trichloroethane	0.287	0.261	9.1	83	0.00
39	TP	2-Butanone	0.075	0.078#	-4.0	102	0.00
40	TP	1,1-Dichloropropene	0.251	0.226	10.0	84	0.00
41	TP	Benzene	0.791	0.722	8.7	86	0.00
42	TP	tert-Amyl methyl ether	0.553	0.531	4.0	88	0.00

Data Path : I:\VOLATILES\Elaine\2020\200421N\
Data File : VE200421N23.D
Acq On : 21 Apr 2020 10:18 pm
Operator : ELAINE:AD
Sample : C8260STDLL10PPB
Misc : WG1363751
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 22 18:27:45 2020
Quant Method : I:\VOLATILES\Elaine\2020\200421N\Elaine_200421N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 22 18:24:02 2020
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
43	S	1,2-Dichloroethane-d4	0.282	0.278	1.4	102	0.00
44	TP	1,2-Dichloroethane	0.249	0.236	5.2	86	0.00
47	TP	Methyl cyclohexane	0.330	0.284	13.9	78	0.00
48	TP	Trichloroethene	0.194	0.181#	6.7	94	0.00
50	TP	Dibromomethane	0.099	0.092	7.1	84	0.00
51	TC	1,2-Dichloropropane	0.212	0.201	5.2	87	0.00
53	TP	2-Chloroethyl vinyl ether	0.119	0.130	-9.2	102	0.00
54	TP	Bromodichloromethane	0.240	0.223	7.1	88	0.00
57	TP	1,4-Dioxane	0.00136	0.00115#	15.4	76	0.00
58	TP	cis-1,3-Dichloropropene	0.312	0.286	8.3	84	0.00
59	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
60	S	Toluene-d8	1.351	1.341	0.7	101	0.00
61	TC	Toluene	0.661	0.634	4.1	90	0.00
62	TP	4-Methyl-2-pentanone	0.087	0.094#	-8.0	102	0.00
63	TP	Tetrachloroethene	0.278	0.283	-1.8	95	0.00
65	TP	trans-1,3-Dichloropropene	0.377	0.335	11.1	85	0.00
67	TP	Ethyl methacrylate	0.293	0.300	-2.4	94	0.00
68	TP	1,1,2-Trichloroethane	0.174	0.160	8.0	85	0.00
69	TP	Chlorodibromomethane	0.238	0.223	6.3	87	0.00
70	TP	1,3-Dichloropropane	0.364	0.346	4.9	89	0.00
71	TP	1,2-Dibromoethane	0.201	0.192	4.5	90	0.00
72	TP	2-Hexanone	0.162	0.166	-2.5	95	0.00
73	TP	Chlorobenzene	0.706	0.699	1.0	91	0.00
74	TC	Ethylbenzene	1.202	1.217	-1.2	93	0.00
75	TP	1,1,1,2-Tetrachloroethane	0.256	0.255	0.4	91	0.00
76	TP	p/m Xylene	0.479	0.474	1.0	90	0.00
77	TP	o Xylene	0.458	0.459	-0.2	92	0.00
78	TP	Styrene	0.746	0.766	-2.7	92	0.00
79	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
80	TP	Bromoform	0.283	0.253	10.6	82	0.00
82	TP	Isopropylbenzene	2.349	2.334	0.6	89	0.00
83	S	4-Bromofluorobenzene	0.959	0.964	-0.5	101	0.00
84	TP	Bromobenzene	0.574	0.584	-1.7	93	0.00
85	TP	n-Propylbenzene	2.638	2.644	-0.2	89	0.00
86	TP	1,4-Dichlorobutane	0.809	0.848	-4.8	93	0.00
87	TP	1,1,2,2-Tetrachloroethane	0.456	0.445	2.4	91	0.00
88	TP	4-Ethyltoluene	2.217	2.328	-5.0	93	0.00

Data Path : I:\VOLATILES\Elaine\2020\200421N\
Data File : VE200421N23.D
Acq On : 21 Apr 2020 10:18 pm
Operator : ELAINE:AD
Sample : C8260STDLL10PPB
Misc : WG1363751
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 22 18:27:45 2020
Quant Method : I:\VOLATILES\Elaine\2020\200421N\Elaine_200421N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 22 18:24:02 2020
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
89 TP	2-Chlorotoluene	1.842	1.849	-0.4	91	0.00
90 TP	1,3,5-Trimethylbenzene	1.966	1.953	0.7	89	0.00
91 TP	1,2,3-Trichloropropane	0.387	0.381	1.6	93	0.00
92 TP	trans-1,4-Dichloro-2-butene	0.155	0.139	10.3	88	0.00
93 TP	4-Chlorotoluene	1.666	1.692	-1.6	91	0.00
94 TP	tert-Butylbenzene	1.935	1.873	3.2	87	0.00
95 TP	Pentachloroethane	0.341	0.227	33.4#	62	0.00
97 TP	1,2,4-Trimethylbenzene	1.933	2.006	-3.8	91	0.00
98 TP	sec-Butylbenzene	2.286	2.506	-9.6	96	0.00
99 TP	p-Isopropyltoluene	2.121	2.155	-1.6	89	0.00
100 TP	1,3-Dichlorobenzene	1.096	1.095	0.1	91	0.00
101 TP	1,4-Dichlorobenzene	1.097	1.082	1.4	91	0.00
102 TP	p-Diethylbenzene	1.222	1.215	0.6	89	0.00
103 TP	n-Butylbenzene	1.788	1.854	-3.7	91	0.00
104 TP	1,2-Dichlorobenzene	1.029	1.010	1.8	89	0.00
105 TP	1,2,4,5-Tetramethylbenzene	1.940	1.955	-0.8	89	0.00
106 TP	1,2-Dibromo-3-chloropropane	0.079	0.070	11.4	90	0.00
107 TP	1,3,5-Trichlorobenzene	0.764	0.717	6.2	85	0.00
108 TP	Hexachlorobutadiene	0.273	0.269	1.5	85	0.00
109 TP	1,2,4-Trichlorobenzene	0.710	0.679	4.4	89	0.00
110 TP	Naphthalene	1.586	1.553	2.1	92	0.00
111 TP	1,2,3-Trichlorobenzene	0.646	0.632	2.2	92	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 8 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2020\200421N\
Data File : VE200421N23.D
Acq On : 21 Apr 2020 10:18 pm
Operator : ELAINE:AD
Sample : C8260STDLL10PPB
Misc : WG1363751
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 22 18:27:45 2020
Quant Method : I:\VOLATILES\Elaine\2020\200421N\Elaine_200421N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 22 18:24:02 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2020\200421N\VE200421N13.D
Sub List : 8260-CurvePenta - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	5.492	96	265541	10.000	ug/L		0.00
Standard Area 1 = 258855			Recovery = 102.58%				
59) Chlorobenzene-d5	8.497	117	198079	10.000	ug/L		0.00
Standard Area 1 = 197747			Recovery = 100.17%				
79) 1,4-Dichlorobenzene-d4	9.988	152	101159	10.000	ug/L		0.00
Standard Area 1 = 100890			Recovery = 100.27%				
System Monitoring Compounds							
36) Dibromofluoromethane	4.505	113	62377	9.888	ug/L		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.88%				
43) 1,2-Dichloroethane-d4	5.147	65	73900	9.883	ug/L		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.83%				
60) Toluene-d8	7.198	98	265606	9.927	ug/L		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.27%				
83) 4-Bromofluorobenzene	9.318	95	97530	10.057	ug/L		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.57%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	0.938	85	27526M1	6.323	ug/L		
3) Chloromethane	1.060	50	56055M1	8.467	ug/L		
4) Vinyl chloride	1.113	62	53337M1	8.757	ug/L		
5) Bromomethane	1.319	94	34763M1	10.599	ug/L		
6) Chloroethane	1.400	64	34170M1	9.734	ug/L		
7) Trichlorofluoromethane	1.497	101	65695M1	9.905	ug/L		
8) Ethyl ether	1.734	74	30314M1	10.500	ug/L		
10) 1,1-Dichloroethene	1.864	96	38608M1	8.812	ug/L		
11) Carbon disulfide	1.867	76	114754M1	11.524	ug/L		
12) Freon-113	1.906	101	42929M1	9.597	ug/L		
13) Iodomethane	1.967	142	36884M1	6.615	ug/L		
14) Acrolein	2.145	56	7995M1	11.276	ug/L		
15) Methylene chloride	2.354	84	46420M1	9.280	ug/L		
17) Acetone	2.415	43	13559	11.205	ug/L		92
18) trans-1,2-Dichloroethene	2.499	96	43171M1	9.839	ug/L		
19) Methyl acetate	2.543	43	36379	10.018	ug/L	#	94
20) Methyl tert-butyl ether	2.624	73	132896	9.802	ug/L		98
21) tert-Butyl alcohol	2.777	59	21325M1	49.069	ug/L		
22) Diisopropyl ether	3.052	45	217082M1	10.335	ug/L		
23) 1,1-Dichloroethane	3.141	63	96799M1	10.042	ug/L		
24) Halothane	3.289	117	35658M1	8.653	ug/L		

Data Path : I:\VOLATILES\Elaine\2020\200421N\
Data File : VE200421N23.D
Acq On : 21 Apr 2020 10:18 pm
Operator : ELAINE:AD
Sample : C8260STDLL10PPB
Misc : WG1363751
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 22 18:27:45 2020
Quant Method : I:\VOLATILES\Elaine\2020\200421N\Elaine_200421N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 22 18:24:02 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2020\200421N\VE200421N13.D
Sub List : 8260-CurvePenta - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	3.219	53	17568M1	10.761	ug/L		
26) Ethyl tert-butyl ether	3.498	59	185353M1	10.075	ug/L		
27) Vinyl acetate	3.511	43	138167M1	9.720	ug/L		
28) cis-1,2-Dichloroethene	3.826	96	51553M1	9.334	ug/L		
29) 2,2-Dichloropropane	3.968	77	65186M1	8.727	ug/L		
30) Bromochloromethane	4.104	128	24186M1	10.037	ug/L		
31) Cyclohexane	4.060	56	96312M1	9.420	ug/L		
32) Chloroform	4.265	83	81756M1	9.589	ug/L		
33) Ethyl acetate	4.513	43	35464	7.701	ug/L	#	95
34) Carbon tetrachloride	4.377	117	58974	9.033	ug/L		97
35) Tetrahydrofuran	4.449	42	12839	9.836	ug/L	#	80
37) 1,1,1-Trichloroethane	4.477	97	69435	9.111	ug/L	#	97
39) 2-Butanone	4.702	43	20668	10.325	ug/L	#	79
40) 1,1-Dichloropropene	4.652	75	60107	9.011	ug/L		95
41) Benzene	4.967	78	191830	9.132	ug/L		94
42) tert-Amyl methyl ether	5.189	73	141003	9.601	ug/L		91
44) 1,2-Dichloroethane	5.228	62	62791	9.490	ug/L		96
47) Methyl cyclohexane	5.640	83	75436	8.600	ug/L		84
48) Trichloroethene	5.682	95	47978	9.323	ug/L		92
50) Dibromomethane	6.138	93	24307	9.281	ug/L		92
51) 1,2-Dichloropropane	6.249	63	53344	9.495	ug/L		94
53) 2-Chloroethyl vinyl ether	7.011	63	34604	10.996	ug/L		94
54) Bromodichloromethane	6.360	83	59151	9.269	ug/L		96
57) 1,4-Dioxane	6.586	88	15207	420.212	ug/L	#	87
58) cis-1,3-Dichloropropene	7.020	75	76016	9.169	ug/L		100
61) Toluene	7.245	92	125522	9.584	ug/L		97
62) 4-Methyl-2-pentanone	7.660	58	18674	10.842	ug/L	#	89
63) Tetrachloroethene	7.599	166	55981	10.166	ug/L		86
65) trans-1,3-Dichloropropene	7.676	75	66339	8.891	ug/L		93
67) Ethyl methacrylate	7.863	69	59494	10.235	ug/L		95
68) 1,1,2-Trichloroethane	7.804	83	31747	9.235	ug/L		92
69) Chlorodibromomethane	7.938	129	44175	9.372	ug/L		95
70) 1,3-Dichloropropane	8.016	76	68447	9.490	ug/L		98
71) 1,2-Dibromoethane	8.097	107	38113	9.559	ug/L		98
72) 2-Hexanone	8.341	43	32792	10.204	ug/L		96
73) Chlorobenzene	8.508	112	138395	9.890	ug/L		90
74) Ethylbenzene	8.550	91	241126	10.129	ug/L		96
75) 1,1,1,2-Tetrachloroethane	8.570	131	50463	9.961	ug/L		94
76) p/m Xylene	8.656	106	187779	19.799	ug/L		93
77) o Xylene	8.942	106	181775	20.025	ug/L		88

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2020\200421N\
Data File : VE200421N23.D
Acq On : 21 Apr 2020 10:18 pm
Operator : ELAINE:AD
Sample : C8260STDLL10PPB
Misc : WG1363751
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 22 18:27:45 2020
Quant Method : I:\VOLATILES\Elaine\2020\200421N\Elaine_200421N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 22 18:24:02 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2020\200421N\VE200421N13.D
Sub List : 8260-CurvePenta - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
78) Styrene	8.979	104	303401	20.535	ug/L		89
80) Bromoform	8.981	173	25615	8.939	ug/L		100
82) Isopropylbenzene	9.151	105	236089	9.937	ug/L		96
84) Bromobenzene	9.374	156	59111	10.172	ug/L		98
85) n-Propylbenzene	9.410	91	267509	10.024	ug/L		92
86) 1,4-Dichlorobutane	9.418	55	85739	10.480	ug/L	#	90
87) 1,1,2,2-Tetrachloroethane	9.465	83	45021	9.755	ug/L		98
88) 4-Ethyltoluene	9.479	105	235489	10.501	ug/L		95
89) 2-Chlorotoluene	9.493	91	187078	10.041	ug/L		93
90) 1,3,5-Trimethylbenzene	9.535	105	197541	9.931	ug/L		89
91) 1,2,3-Trichloropropane	9.535	75	38579	9.848	ug/L		98
92) trans-1,4-Dichloro-2-b...	9.568	53	14013	8.921	ug/L		85
93) 4-Chlorotoluene	9.596	91	171122	10.154	ug/L		93
94) tert-Butylbenzene	9.721	119	189478	9.682	ug/L		93
95) Pentachloroethane	9.730	167	22936	6.647	ug/L		92
97) 1,2,4-Trimethylbenzene	9.763	105	202931	10.380	ug/L		91
98) sec-Butylbenzene	9.827	105	253537	10.965	ug/L		97
99) p-Isopropyltoluene	9.913	119	217985	10.159	ug/L		94
100) 1,3-Dichlorobenzene	9.944	146	110745	9.993	ug/L		98
101) 1,4-Dichlorobenzene	9.997	146	109440	9.861	ug/L		98
102) p-Diethylbenzene	10.125	119	122859	9.942	ug/L		95
103) n-Butylbenzene	10.155	91	187505	10.369	ug/L		96
104) 1,2-Dichlorobenzene	10.236	146	102180	9.821	ug/L		98
105) 1,2,4,5-Tetramethylben...	10.578	119	197794	10.081	ug/L		97
106) 1,2-Dibromo-3-chloropr...	10.695	155	7064	8.858	ug/L		94
107) 1,3,5-Trichlorobenzene	10.709	180	72524	9.379	ug/L		93
108) Hexachlorobutadiene	11.051	225	27209	9.852	ug/L		96
109) 1,2,4-Trichlorobenzene	11.068	180	68678	9.566	ug/L		99
110) Naphthalene	11.249	128	157113	9.791	ug/L		100
111) 1,2,3-Trichlorobenzene	11.349	180	63919	9.787	ug/L		98

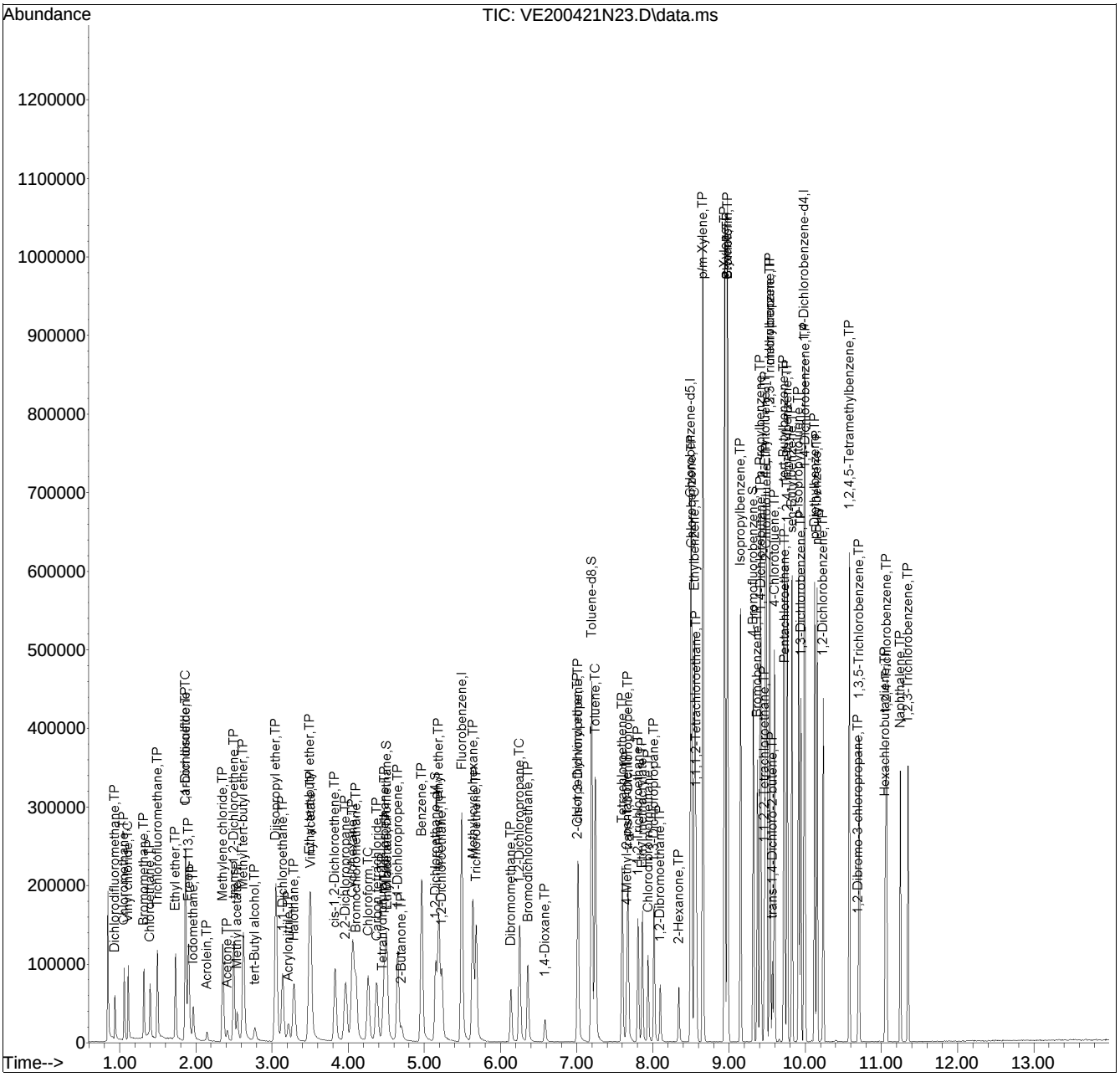
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2020\200421N\
Data File : VE200421N23.D
Acq On : 21 Apr 2020 10:18 pm
Operator : ELAINE:AD
Sample : C8260STDLL10PPB
Misc : WG1363751
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 22 18:27:45 2020
Quant Method : I:\VOLATILES\Elaine\2020\200421N\Elaine_200421N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 22 18:24:02 2020
Response via : Initial Calibration

Sub List : 8260-CurvePenta - All compounds listedE200421N13.D•

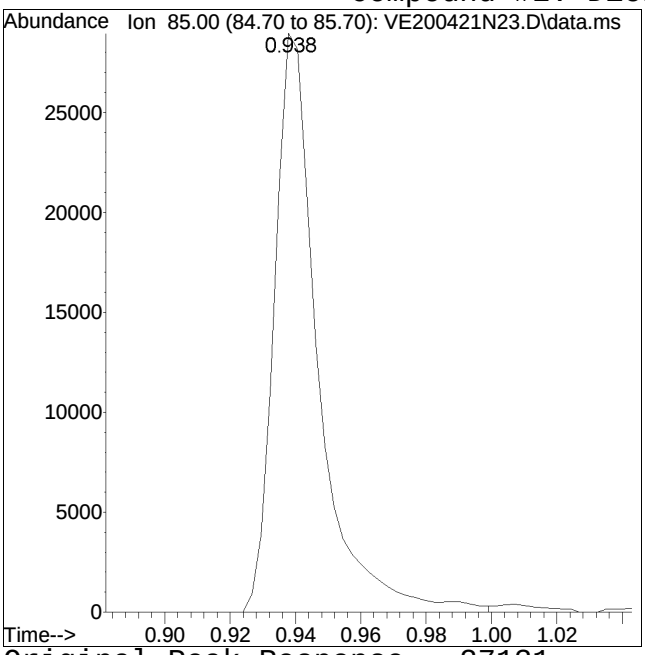


Manual Integration Report

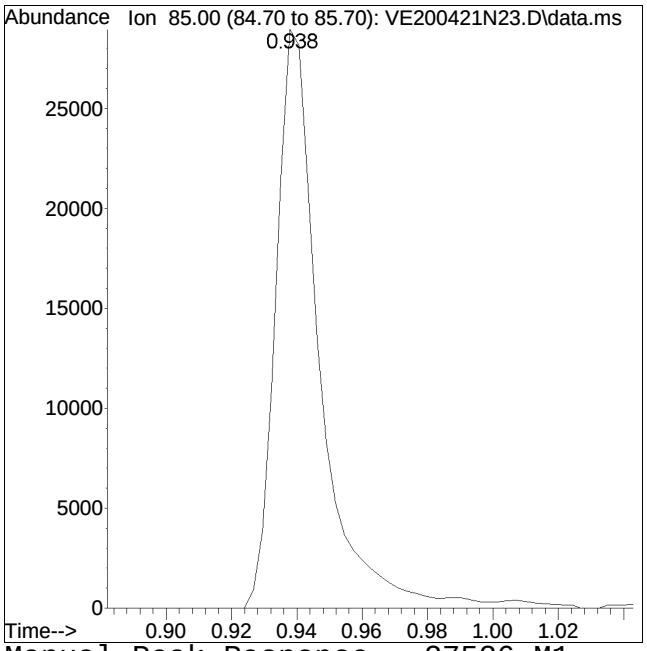
Data Path : I:\VOLATILES\Elaine\2020\2Q
Data File : VE200421N23.D
Date Inj'd : 4/21/2020 10:18 pm
Sample : C8260STDLL10PPB

Method : Elaine_200421N_8260.m
Operator : ELAINE:AD
Instrument : Elaine
Quant Date : 4/22/2020 6:24 pm

Compound #2: Dichlorodifluoromethane



Original Peak Response = 27131



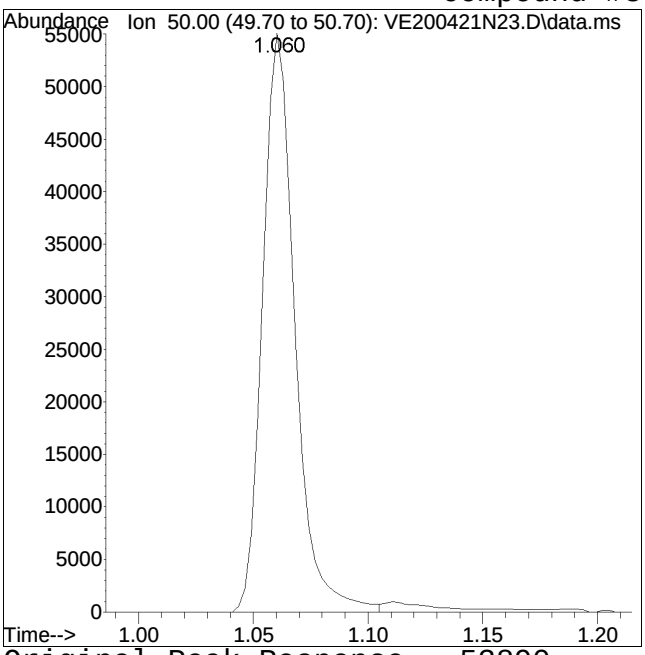
Manual Peak Response = 27526 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

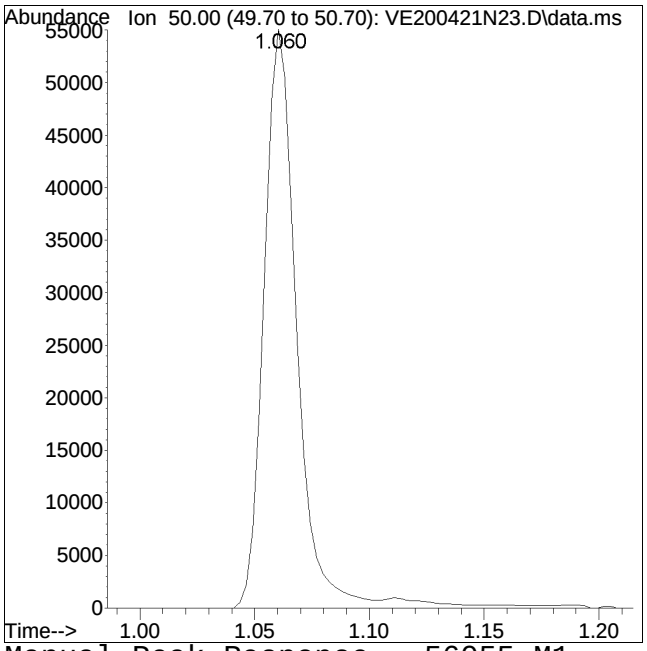
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N23.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 10:18 pm Instrument : Elaine
Sample : C8260STDLL10PPB Quant Date : 4/22/2020 6:24 pm

Compound #3: Chloromethane



Original Peak Response = 53890



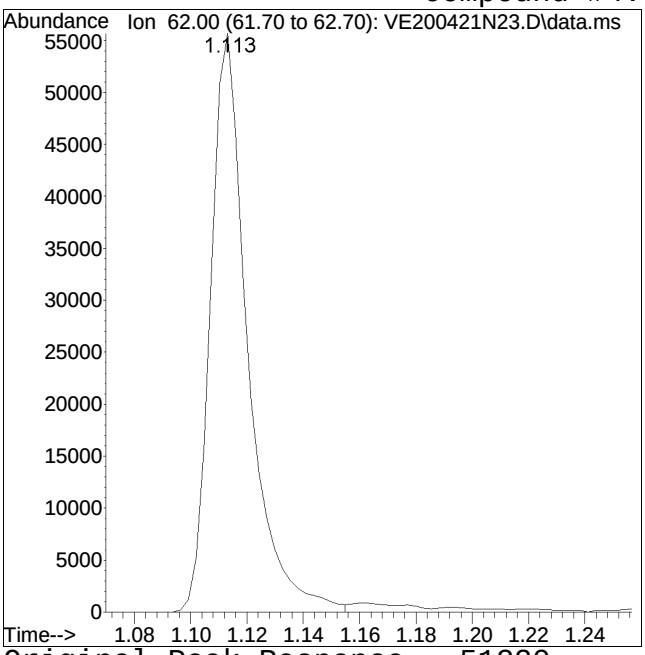
Manual Peak Response = 56055 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

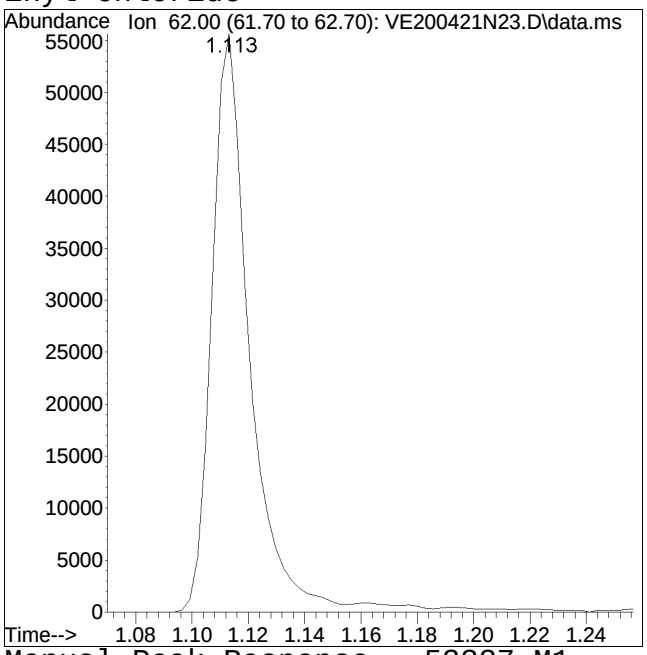
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N23.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 10:18 pm Instrument : Elaine
Sample : C8260STDLL10PPB Quant Date : 4/22/2020 6:24 pm

Compound #4: Vinyl chloride



Original Peak Response = 51220



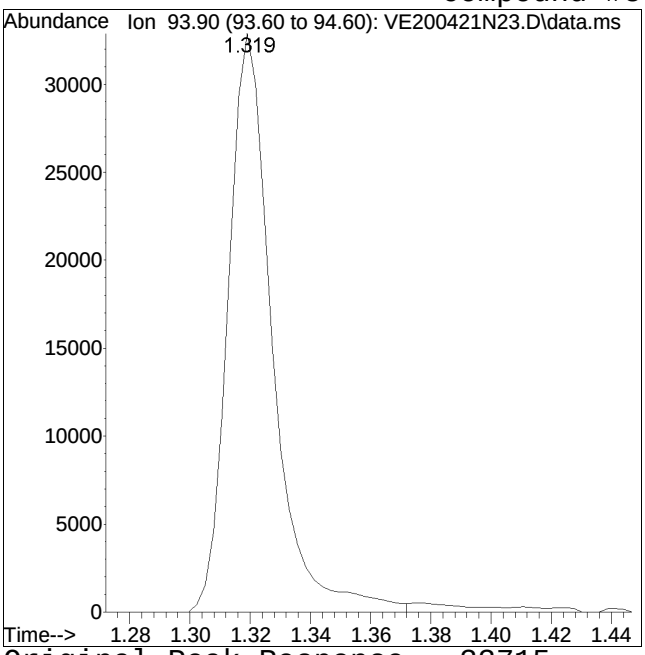
Manual Peak Response = 53337 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

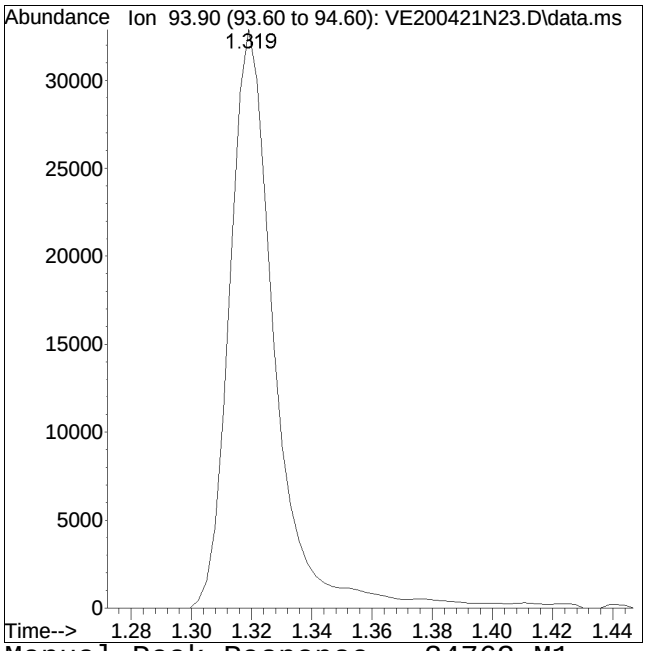
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N23.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 10:18 pm Instrument : Elaine
Sample : C8260STDLL10PPB Quant Date : 4/22/2020 6:24 pm

Compound #5: Bromomethane



Original Peak Response = 33715



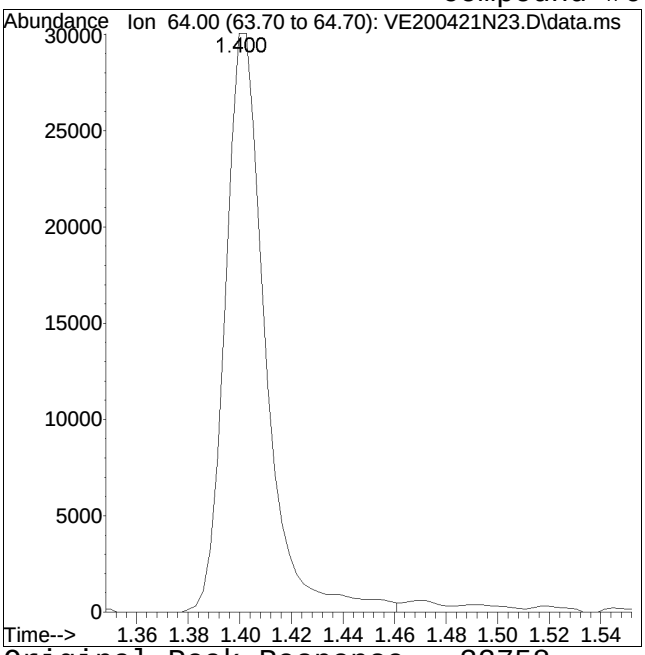
Manual Peak Response = 34763 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

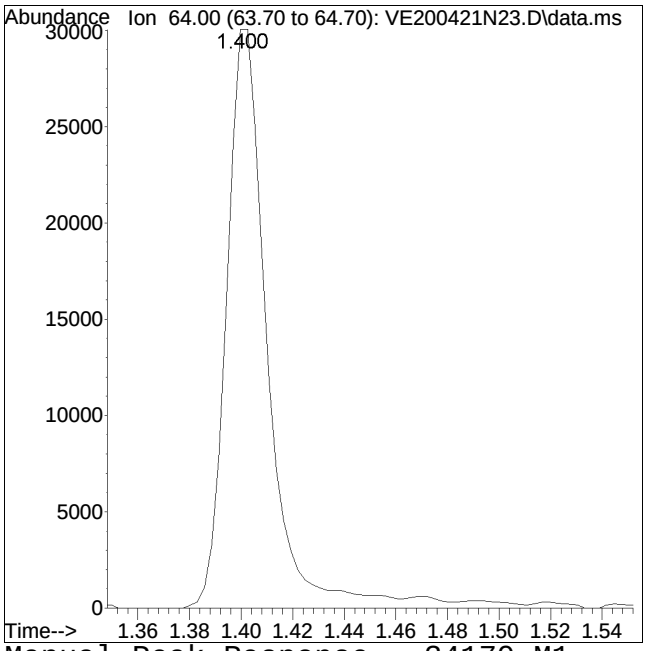
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N23.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 10:18 pm Instrument : Elaine
Sample : C8260STDLL10PPB Quant Date : 4/22/2020 6:24 pm

Compound #6: Chloroethane



Original Peak Response = 32758



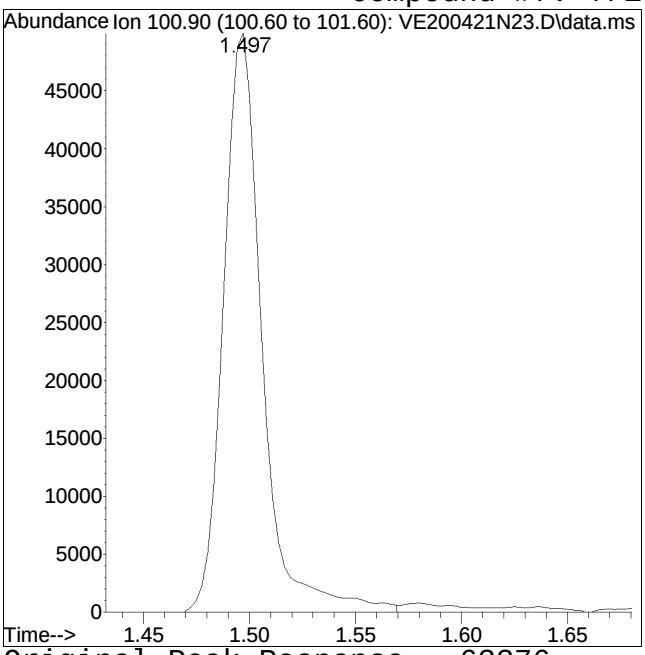
Manual Peak Response = 34170 M1

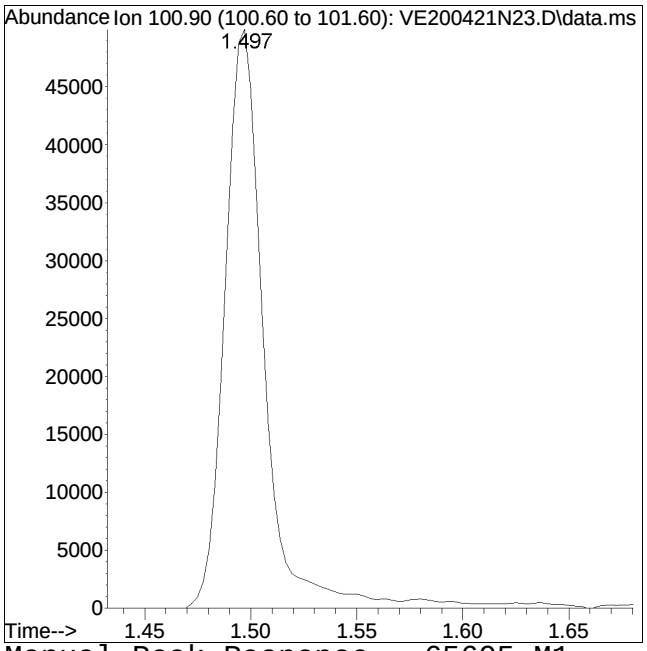
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N23.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 10:18 pm Instrument : Elaine
Sample : C8260STDLL10PPB Quant Date : 4/22/2020 6:24 pm

Compound #7: Trichlorofluoromethane



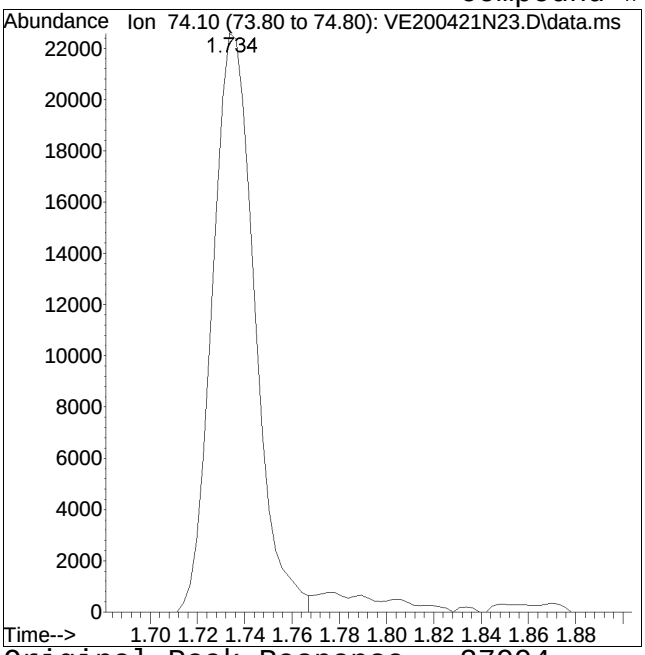


Original Peak Response = 63376 Manual Peak Response = 65695 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

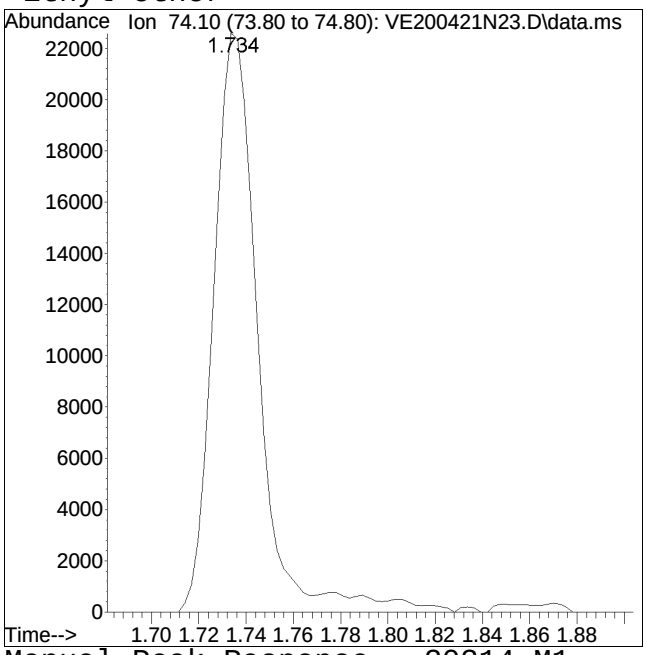
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N23.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 10:18 pm Instrument : Elaine
Sample : C8260STDLL10PPB Quant Date : 4/22/2020 6:24 pm

Compound #8: Ethyl ether



Original Peak Response = 27994



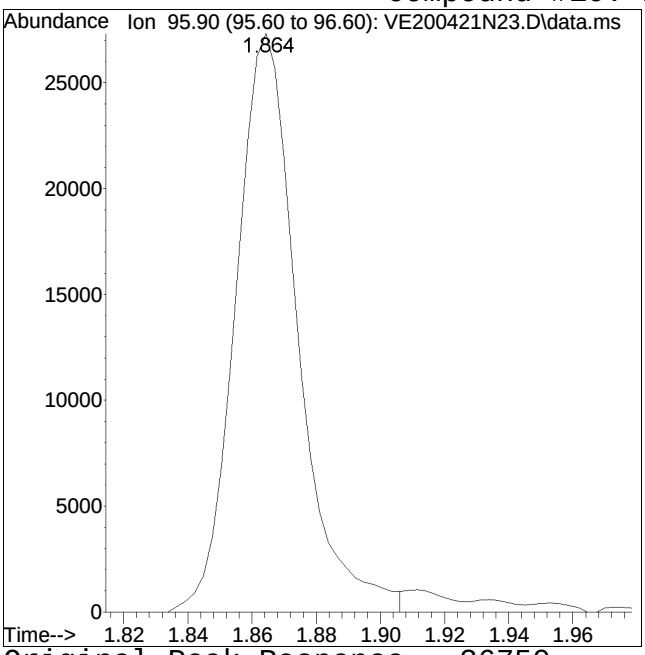
Manual Peak Response = 30314 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

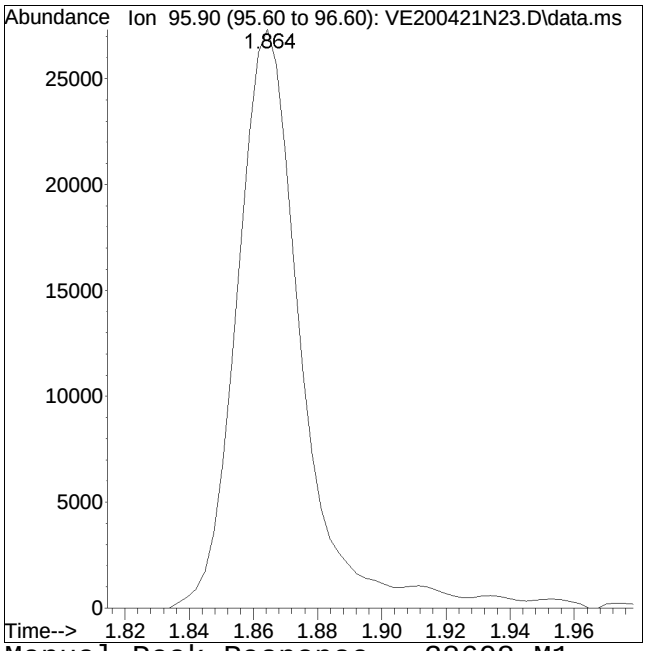
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N23.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 10:18 pm Instrument : Elaine
Sample : C8260STDLL10PPB Quant Date : 4/22/2020 6:24 pm

Compound #10: 1,1-Dichloroethene



Original Peak Response = 36750



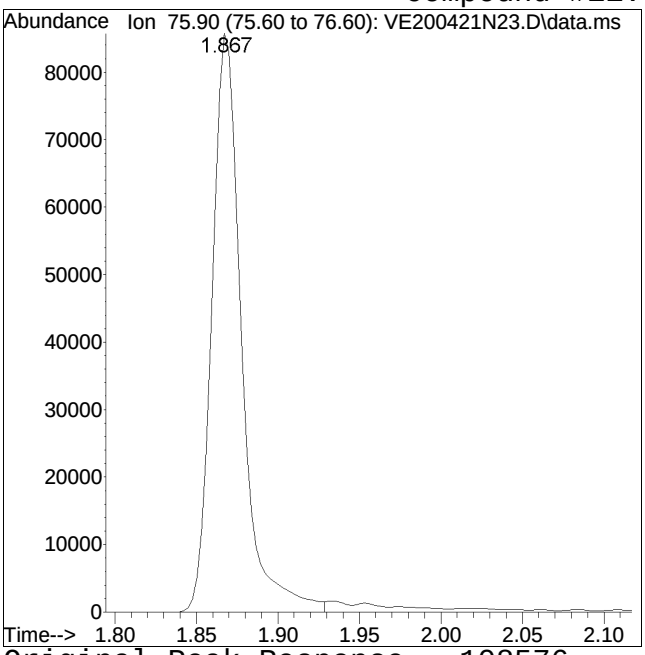
Manual Peak Response = 38608 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

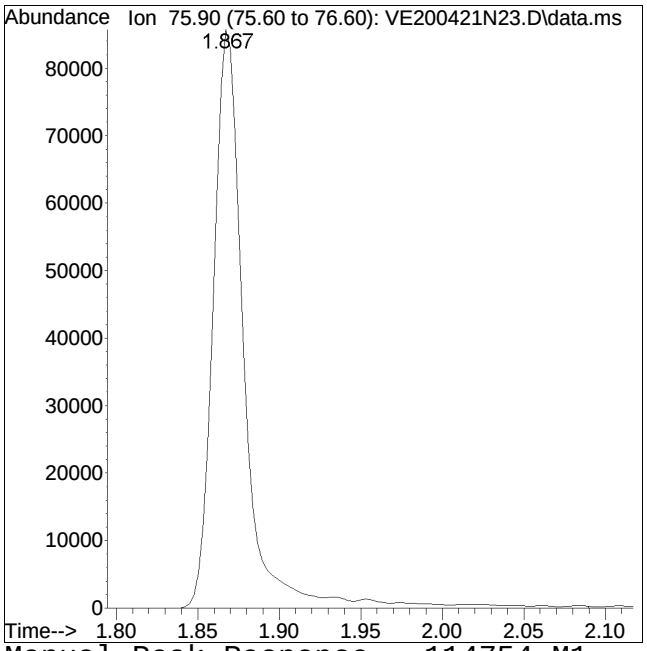
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N23.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 10:18 pm Instrument : Elaine
Sample : C8260STDLL10PPB Quant Date : 4/22/2020 6:24 pm

Compound #11: Carbon disulfide



Original Peak Response = 108576



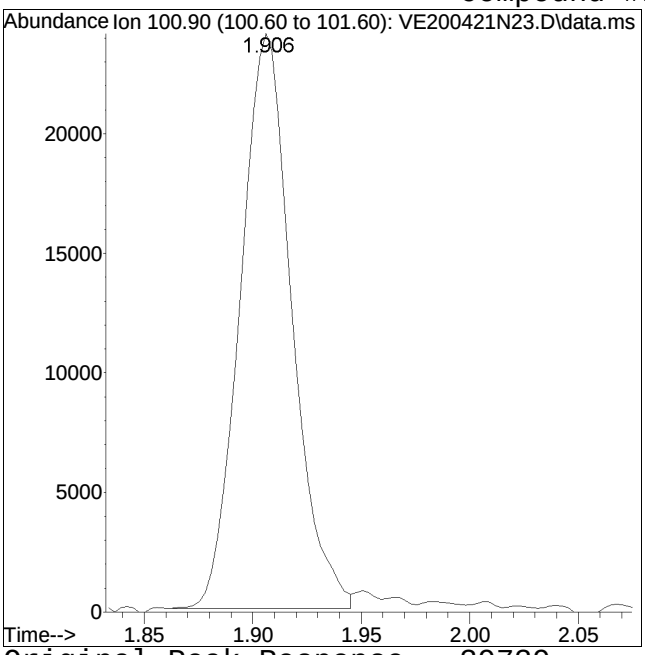
Manual Peak Response = 114754 M1

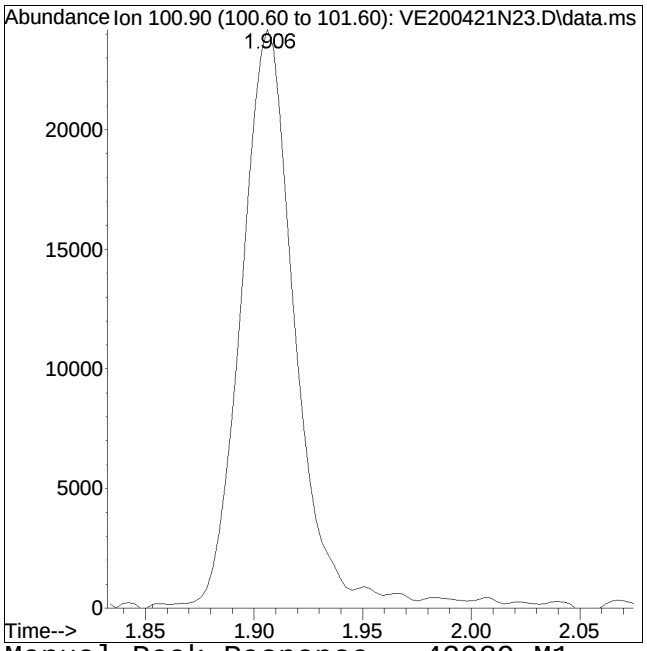
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N23.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 10:18 pm Instrument : Elaine
Sample : C8260STDLL10PPB Quant Date : 4/22/2020 6:24 pm

Compound #12: Freon-113



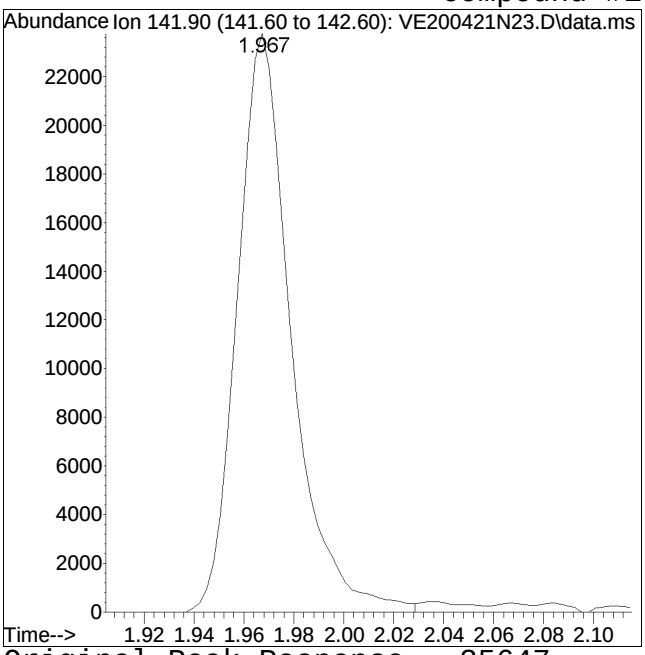


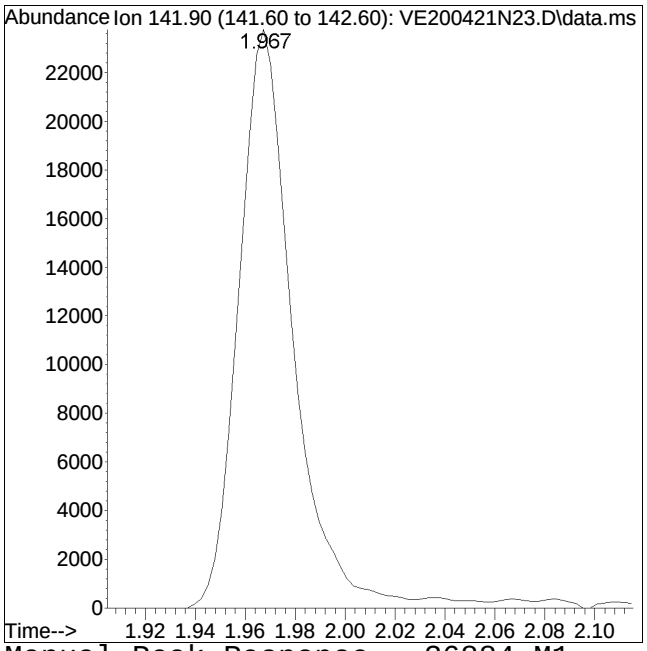
Original Peak Response = 39739 Manual Peak Response = 42929 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N23.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 10:18 pm Instrument : Elaine
Sample : C8260STDLL10PPB Quant Date : 4/22/2020 6:24 pm

Compound #13: Iodomethane



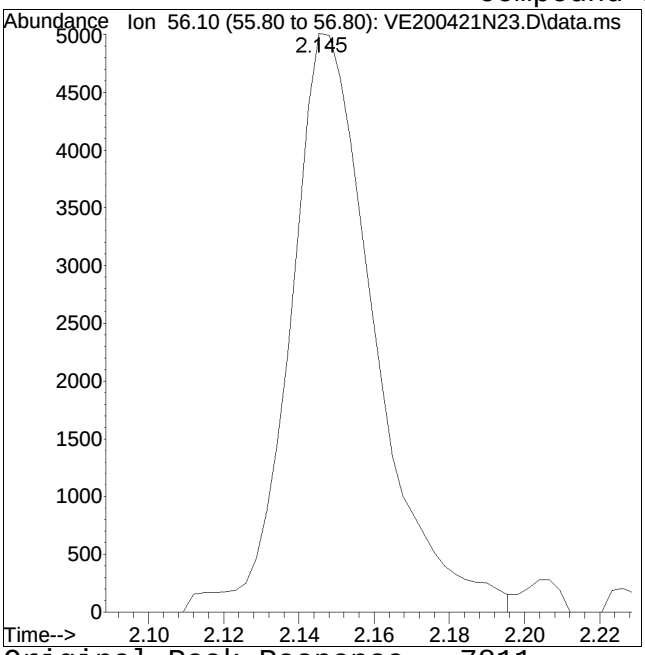


Original Peak Response = 35647 Manual Peak Response = 36884 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

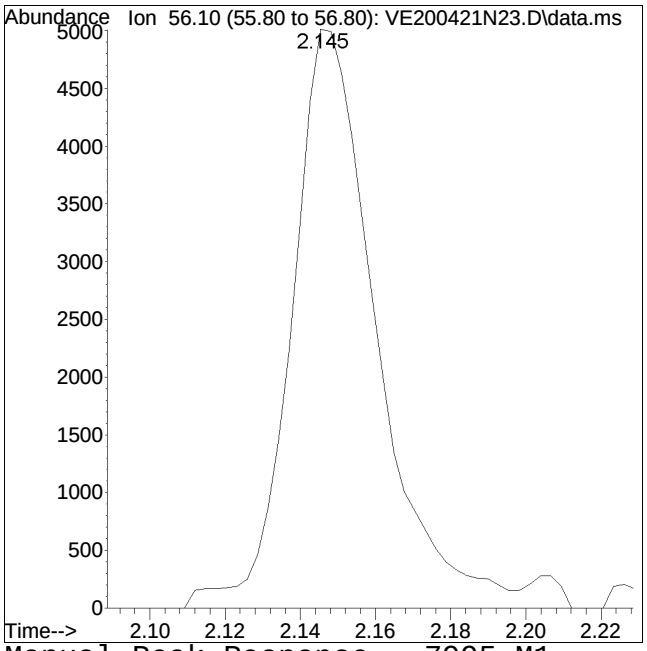
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N23.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 10:18 pm Instrument : Elaine
Sample : C8260STDLL10PPB Quant Date : 4/22/2020 6:24 pm

Compound #14: Acrolein



Original Peak Response = 7811



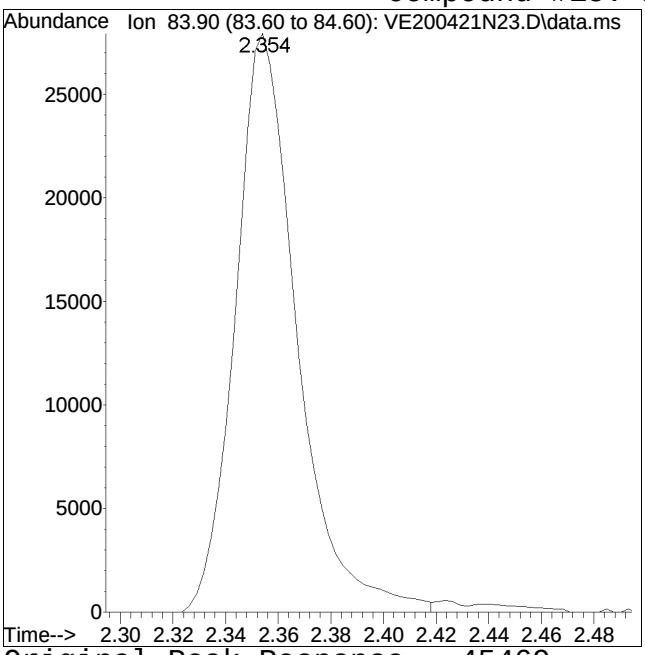
Manual Peak Response = 7995 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

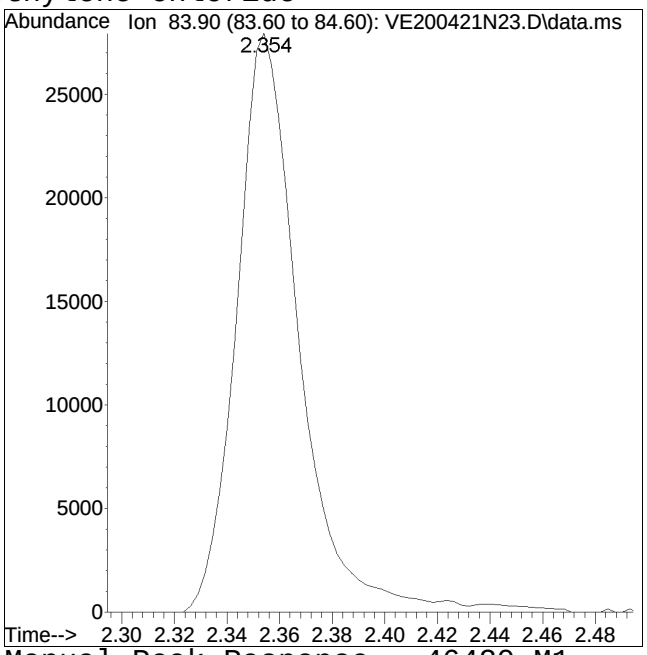
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N23.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 10:18 pm Instrument : Elaine
Sample : C8260STDLL10PPB Quant Date : 4/22/2020 6:24 pm

Compound #15: Methylene chloride



Original Peak Response = 45469



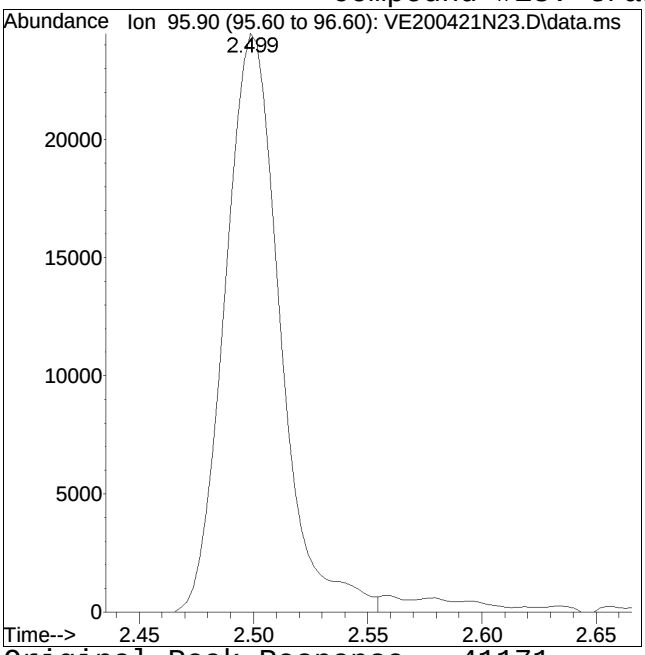
Manual Peak Response = 46420 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

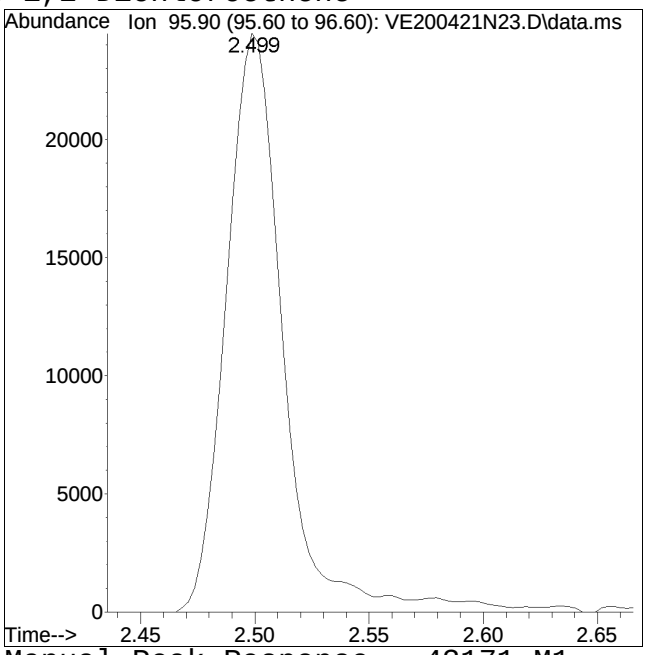
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N23.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 10:18 pm Instrument : Elaine
Sample : C8260STDLL10PPB Quant Date : 4/22/2020 6:24 pm

Compound #18: trans-1,2-Dichloroethene



Original Peak Response = 41171



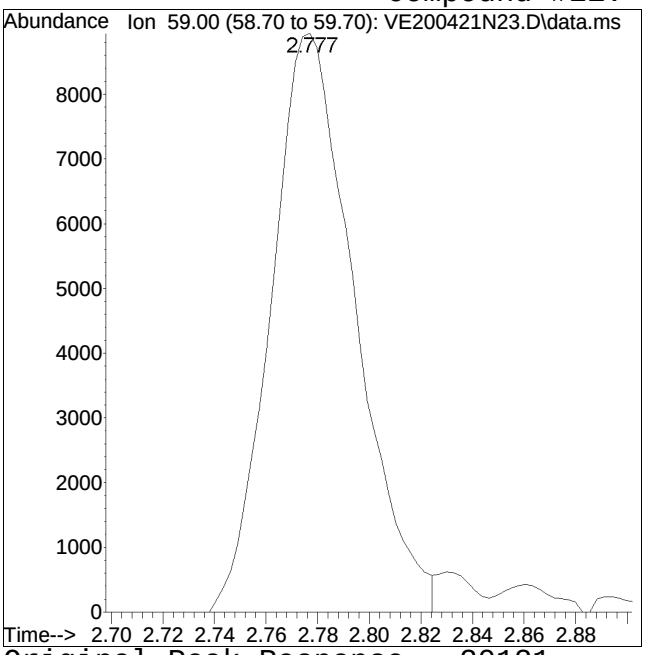
Manual Peak Response = 43171 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

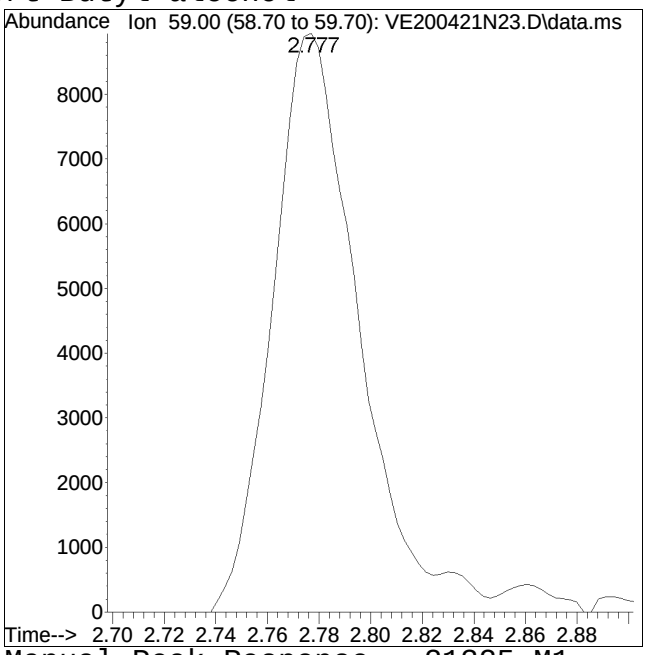
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N23.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 10:18 pm Instrument : Elaine
Sample : C8260STDLL10PPB Quant Date : 4/22/2020 6:24 pm

Compound #21: tert-Butyl alcohol



Original Peak Response = 20121



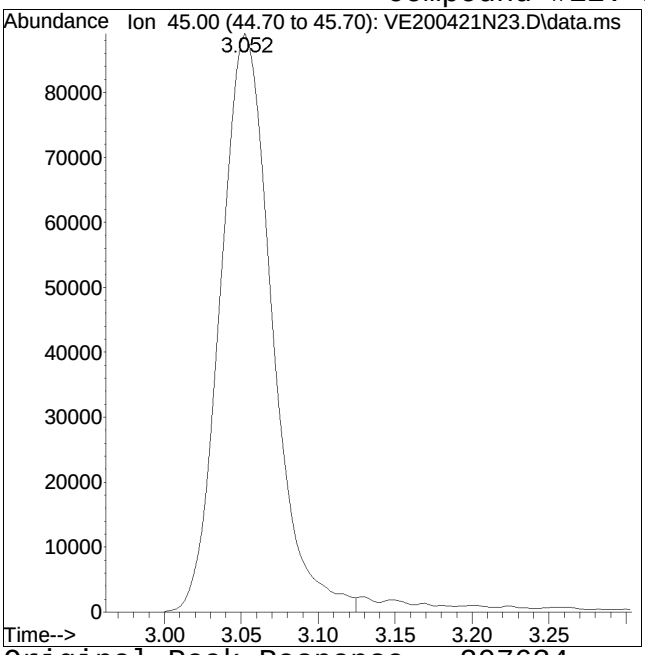
Manual Peak Response = 21325 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

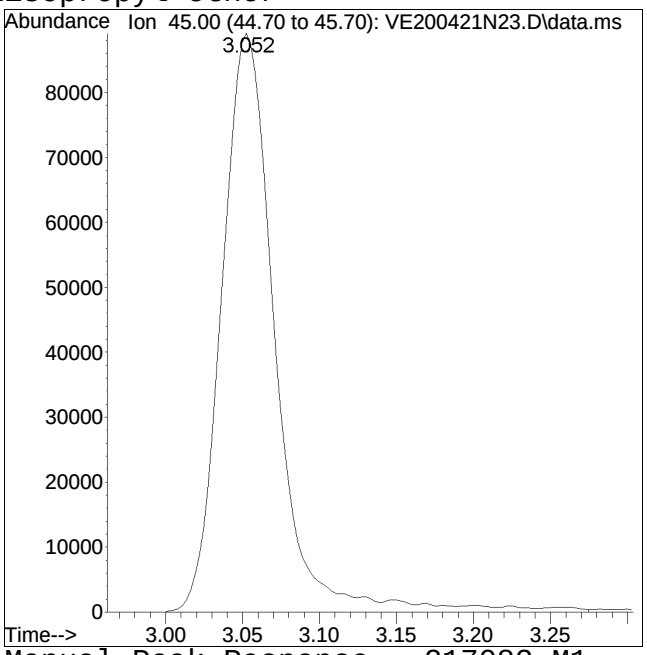
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N23.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 10:18 pm Instrument : Elaine
Sample : C8260STDLL10PPB Quant Date : 4/22/2020 6:24 pm

Compound #22: Diisopropyl ether



Original Peak Response = 207634



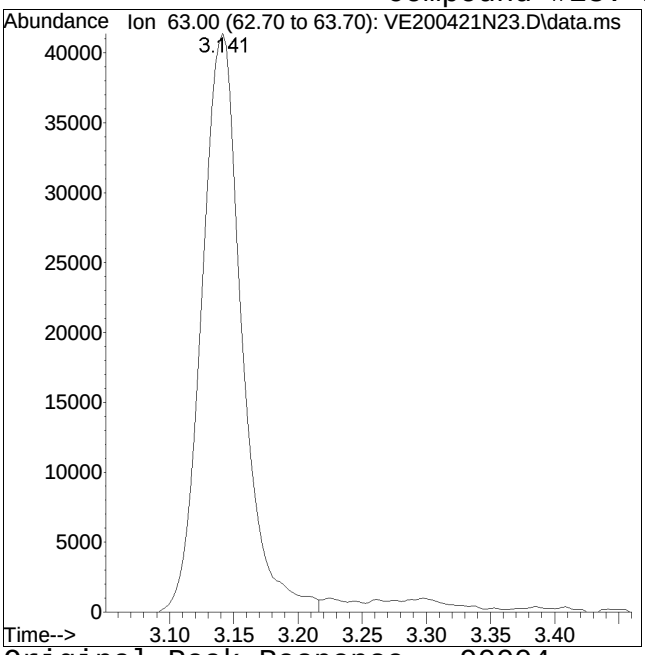
Manual Peak Response = 217082 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

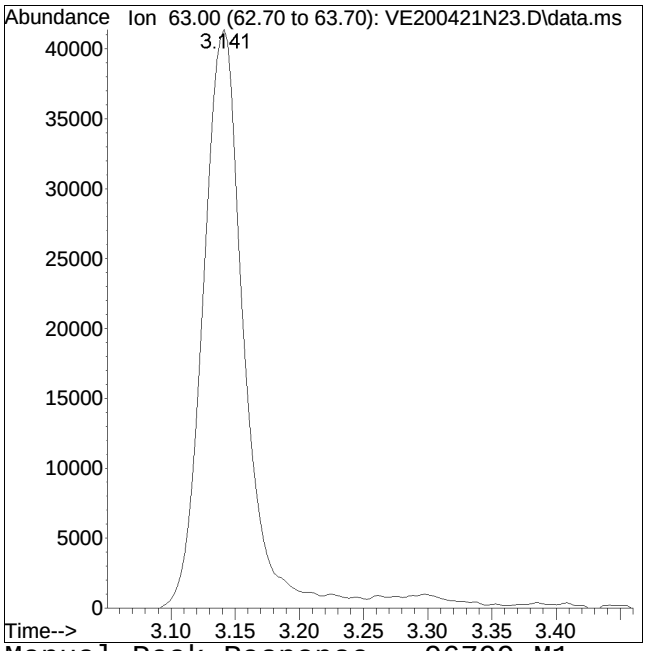
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N23.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 10:18 pm Instrument : Elaine
Sample : C8260STDLL10PPB Quant Date : 4/22/2020 6:24 pm

Compound #23: 1,1-Dichloroethane



Original Peak Response = 90004



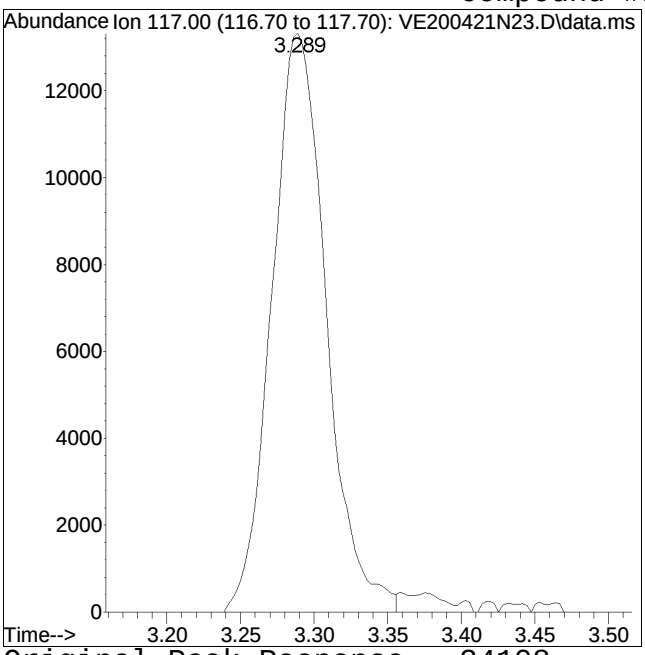
Manual Peak Response = 96799 M1

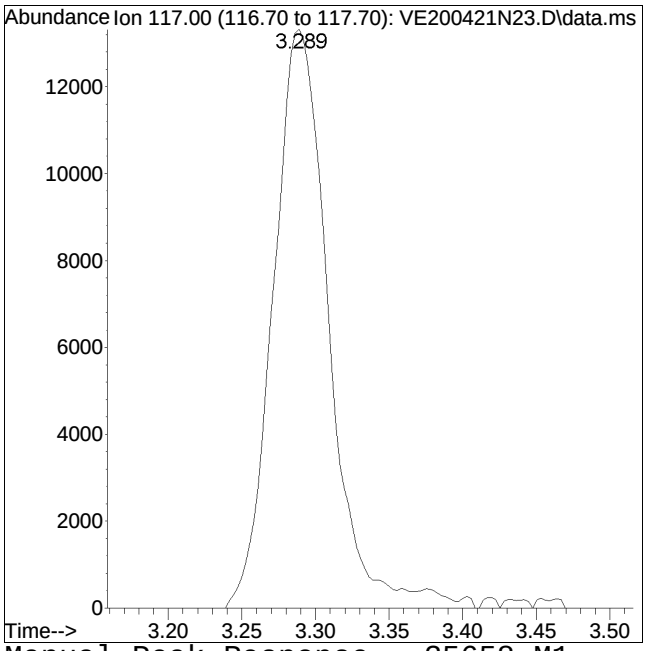
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N23.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 10:18 pm Instrument : Elaine
Sample : C8260STDLL10PPB Quant Date : 4/22/2020 6:24 pm

Compound #24: Halothane



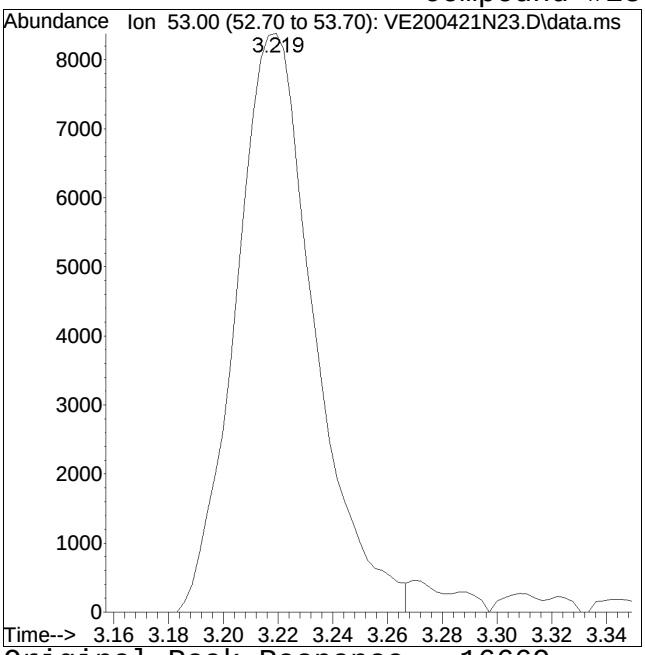


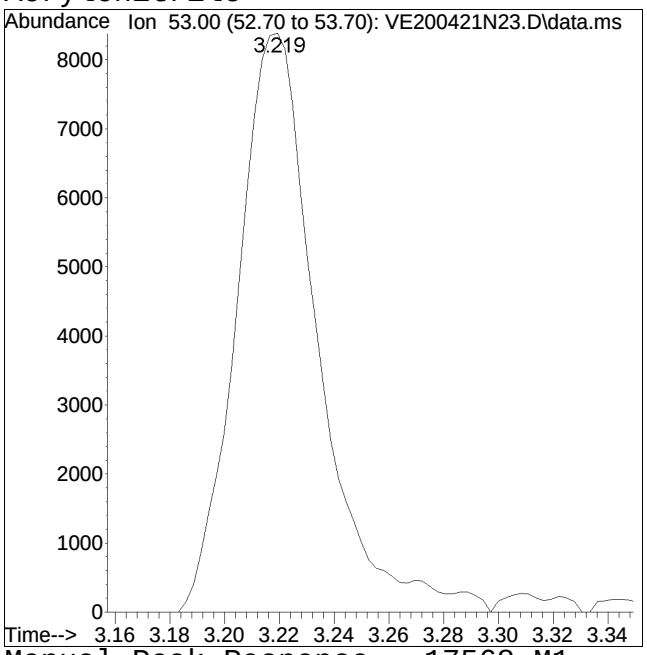
Original Peak Response = 34108 Manual Peak Response = 35658 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N23.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 10:18 pm Instrument : Elaine
Sample : C8260STDLL10PPB Quant Date : 4/22/2020 6:24 pm

Compound #25: Acrylonitrile



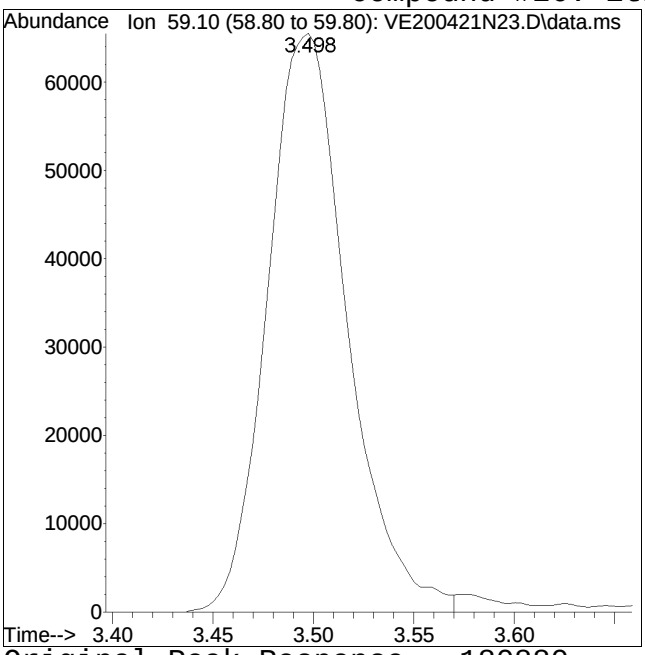


Original Peak Response = 16669 Manual Peak Response = 17568 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

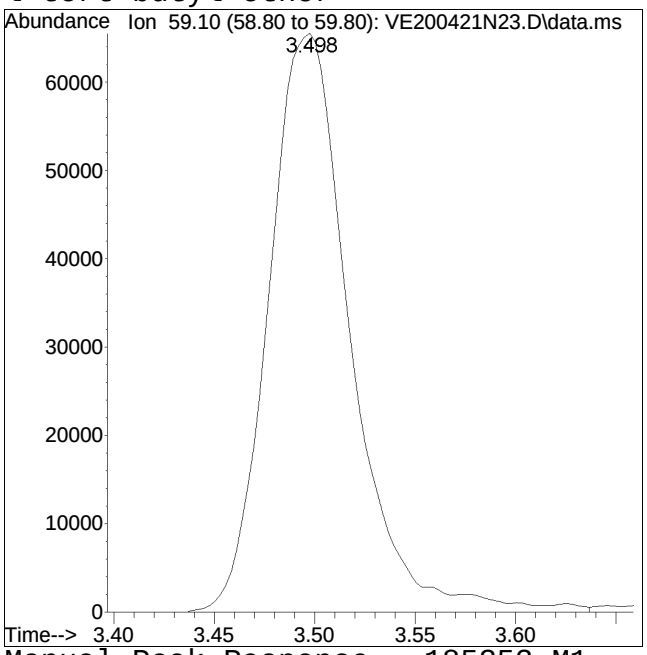
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N23.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 10:18 pm Instrument : Elaine
Sample : C8260STDLL10PPB Quant Date : 4/22/2020 6:24 pm

Compound #26: Ethyl tert-butyl ether



Original Peak Response = 180880



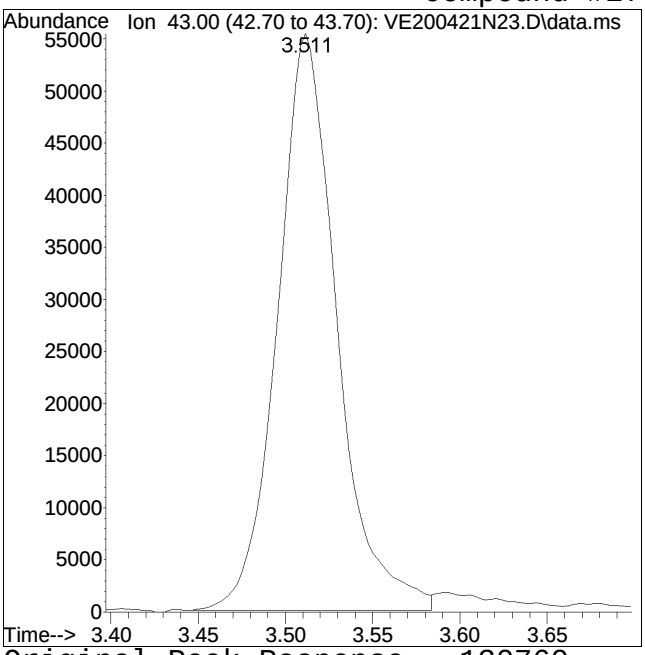
Manual Peak Response = 185353 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

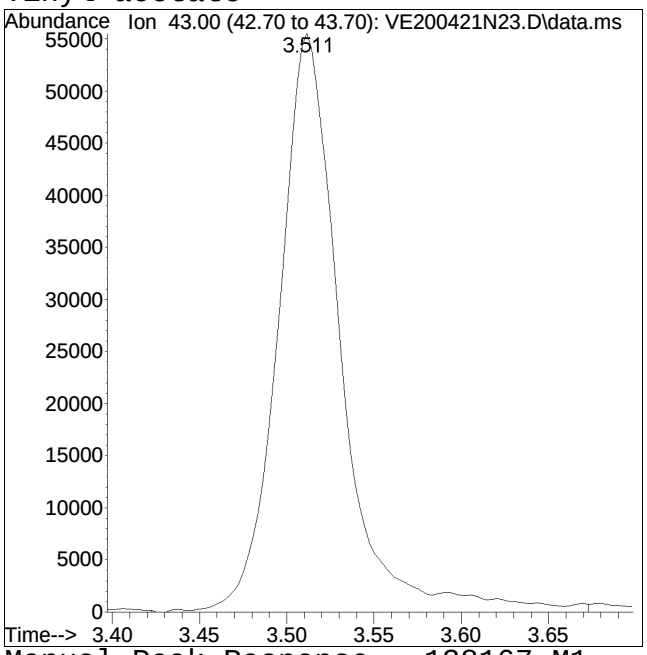
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N23.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 10:18 pm Instrument : Elaine
Sample : C8260STDLL10PPB Quant Date : 4/22/2020 6:24 pm

Compound #27: Vinyl acetate



Original Peak Response = 130760



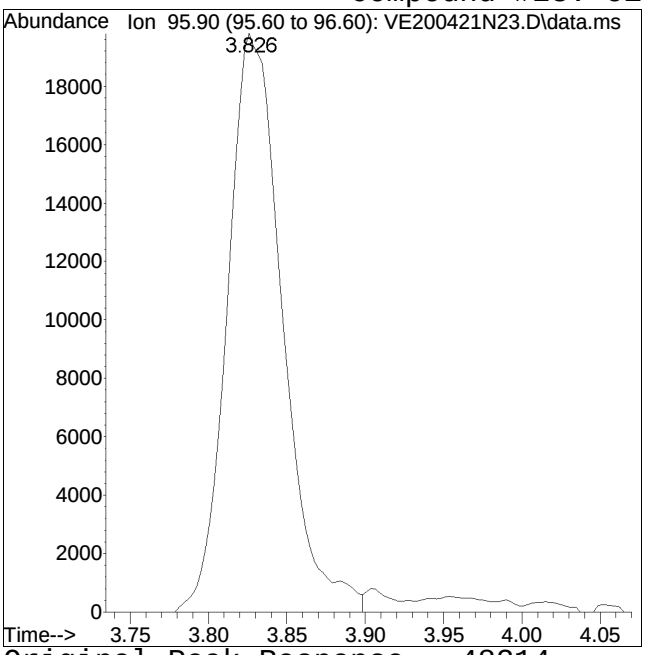
Manual Peak Response = 138167 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

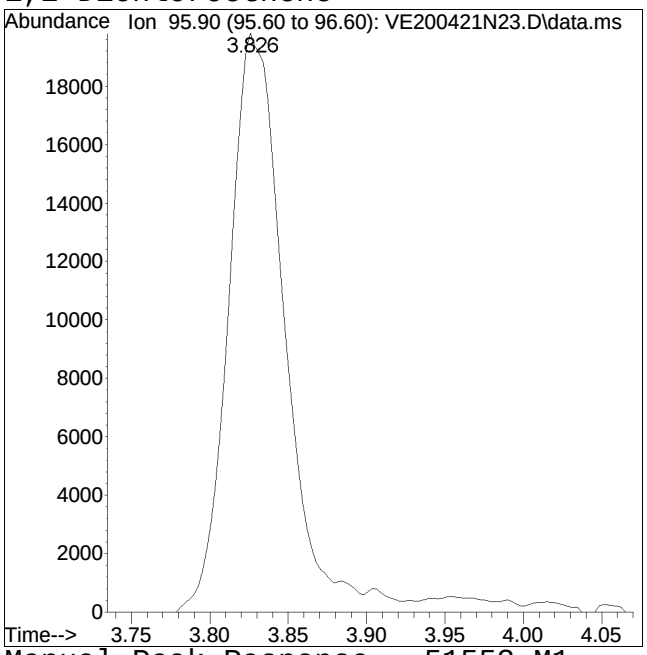
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N23.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 10:18 pm Instrument : Elaine
Sample : C8260STDLL10PPB Quant Date : 4/22/2020 6:24 pm

Compound #28: cis-1,2-Dichloroethene



Original Peak Response = 48214



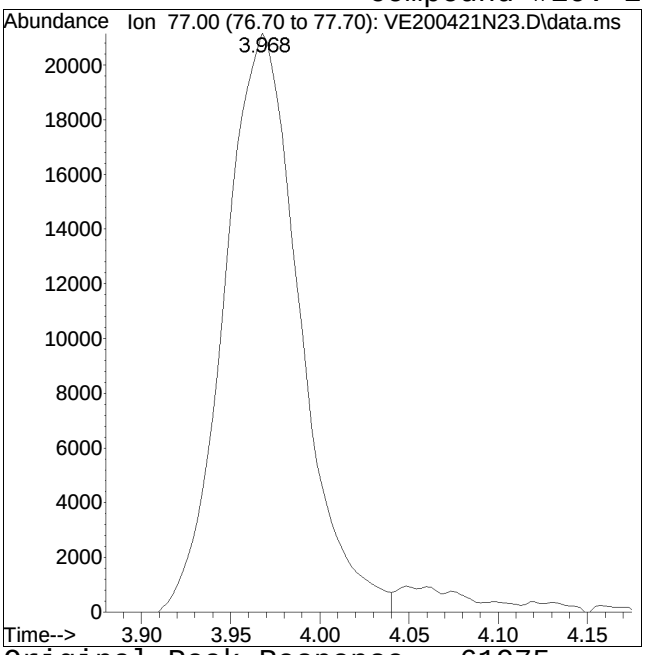
Manual Peak Response = 51553 M1

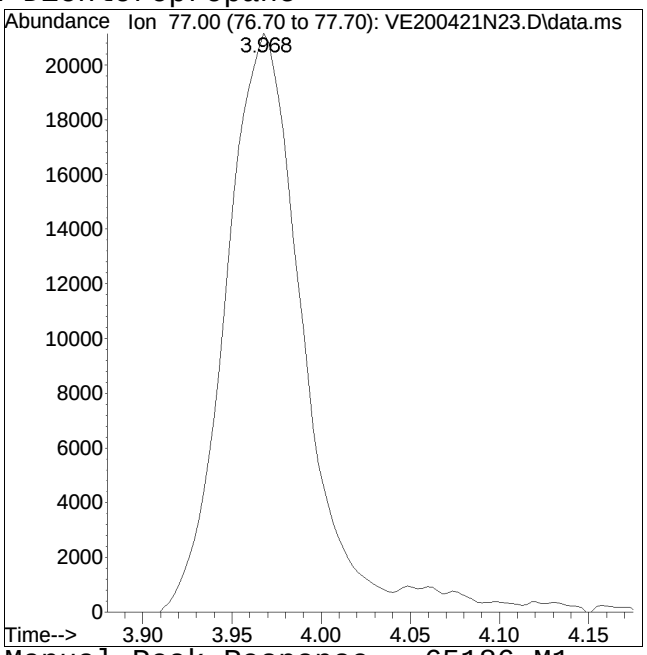
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N23.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 10:18 pm Instrument : Elaine
Sample : C8260STDLL10PPB Quant Date : 4/22/2020 6:24 pm

Compound #29: 2,2-Dichloropropane



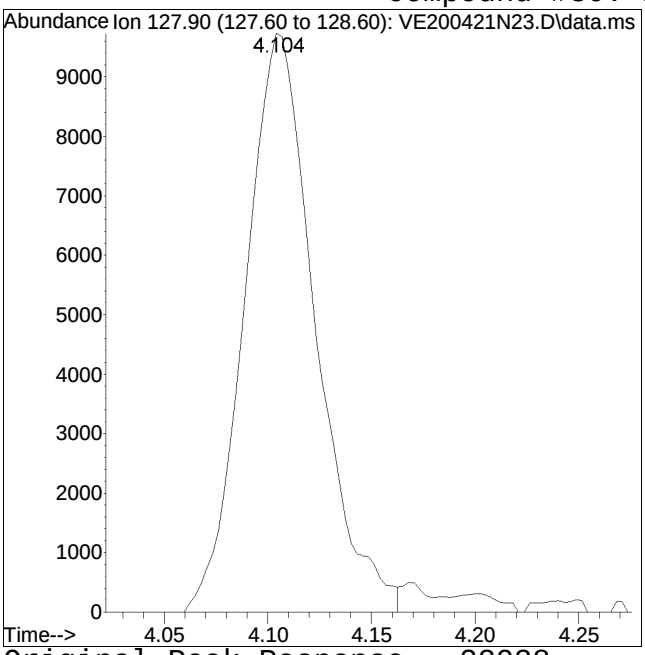


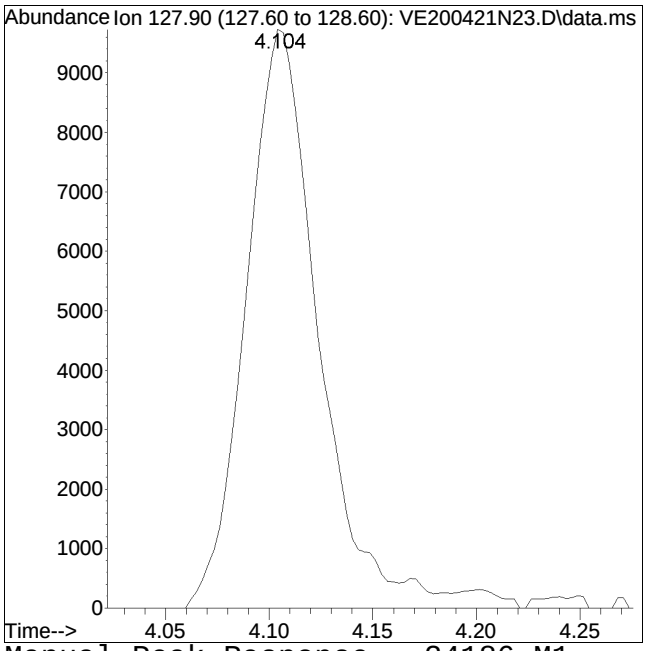
Original Peak Response = 61975 Manual Peak Response = 65186 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N23.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 10:18 pm Instrument : Elaine
Sample : C8260STDLL10PPB Quant Date : 4/22/2020 6:24 pm

Compound #30: Bromochloromethane



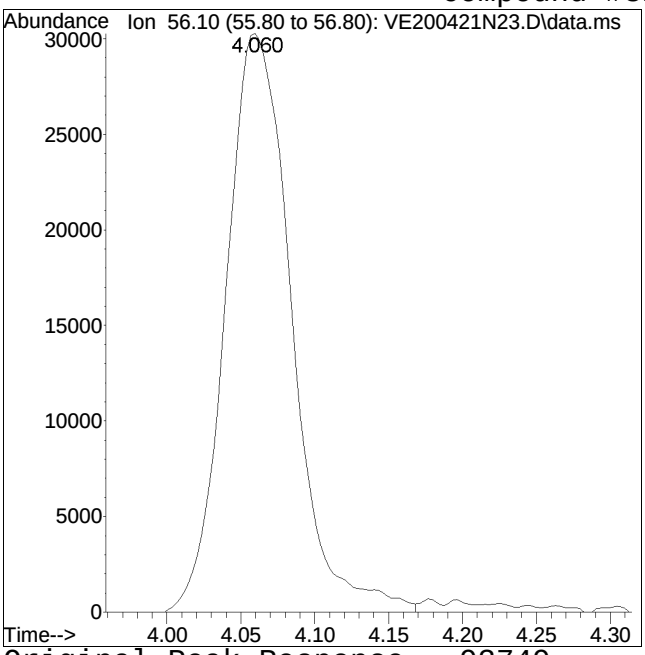


Original Peak Response = 22938 Manual Peak Response = 24186 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

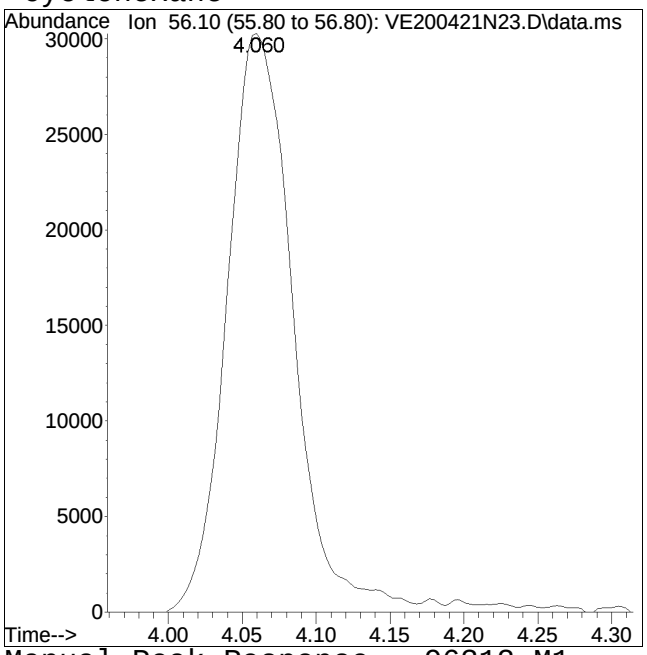
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N23.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 10:18 pm Instrument : Elaine
Sample : C8260STDLL10PPB Quant Date : 4/22/2020 6:24 pm

Compound #31: Cyclohexane



Original Peak Response = 93749



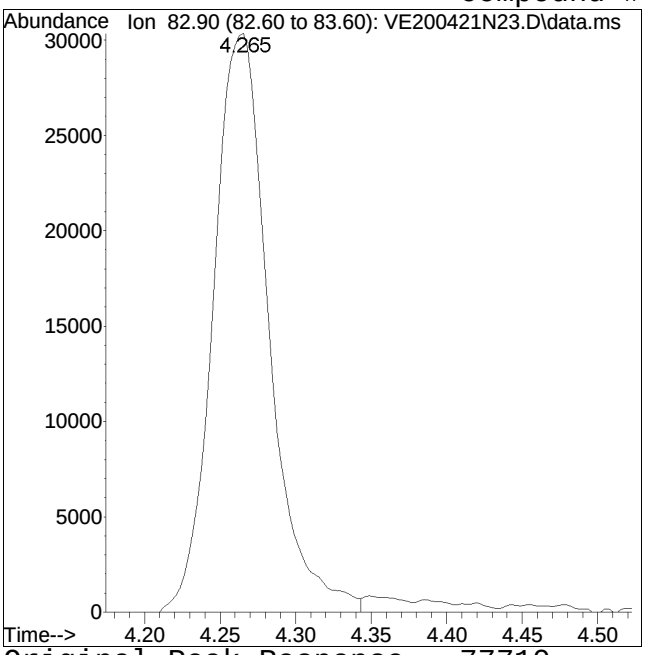
Manual Peak Response = 96312 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

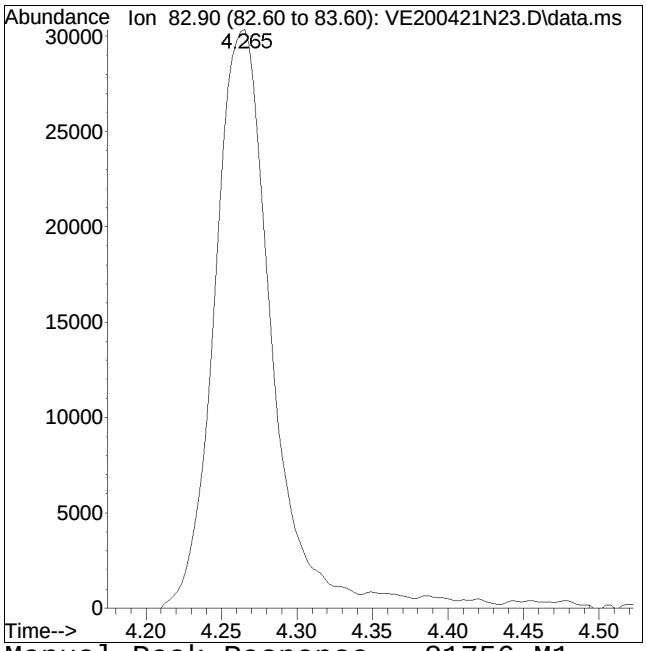
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200421N23.D Operator : ELAINE:AD
Date Inj'd : 4/21/2020 10:18 pm Instrument : Elaine
Sample : C8260STDLL10PPB Quant Date : 4/22/2020 6:24 pm

Compound #32: Chloroform



Original Peak Response = 77710



Manual Peak Response = 81756 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Continuing Calibration

Calibration Verification Summary
Form 7
Volatiles

Client	: LaBella Associates, P.C.	**Lab Number**	: L2020006		
Project Name	: JEFFERSON WOLLENSACK	**Project Number**	: 2182207		
Instrument ID	: VOA105	**Calibration Date**	: 05/18/20 18:05		
Lab File ID	: V05200518N01	**Init. Calib. Date(s)**	: 03/13/20	03/14/20	
Sample No	: WG1372229-2	**Init. Calib. Times**	: 20:45	00:13	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	155	-.02
Dichlorodifluoromethane	0.211	0.257	-	-21.8*	20	182	0
Chloromethane	0.205	0.165	-	19.5	20	125	0
Vinyl chloride	0.257	0.23	-	10.5	20	138	0
Bromomethane	0.141	0.051*	-	63.8*	20	62	0
Chloroethane	0.127	0.085*	-	33.1*	20	99	-.01
Trichlorofluoromethane	0.369	0.353	-	4.3	20	141	-.01
Ethyl ether	0.099	0.063	-	36.4*	20	101	0
1,1-Dichloroethene	0.191	0.2	-	-4.7	20	166	-.01
Carbon disulfide	0.524	0.518	-	1.1	20	160	0
Freon-113	0.189	0.24	-	-27*	20	191	0
Iodomethane	0.288	0.123	-	57.3*	20	68	-.02
Acrolein	0.017	0.02*	-	-17.6	20	202	0
Methylene chloride	0.211	0.219	-	-3.8	20	168	0
Acetone	10	9.539	-	4.6	20	148	-.02
trans-1,2-Dichloroethene	0.215	0.225	-	-4.7	20	167	0
Methyl acetate	0.084	0.085*	-	-1.2	20	175	0
Methyl tert-butyl ether	0.463	0.418	-	9.7	20	143	-.01
tert-Butyl alcohol	0.00816	0.00818*	-	-0.2	20	158	0
Diisopropyl ether	0.578	0.555	-	4	20	152	-.02
1,1-Dichloroethane	0.379	0.372	-	1.8	20	154	-.01
Halothane	0.166	0.176	-	-6	20	164	-.01
Acrylonitrile	0.036	0.033*	-	8.3	20	150	-.02
Ethyl tert-butyl ether	0.531	0.49	-	7.7	20	146	0
Vinyl acetate	0.3	0.306	-	-2	20	175	0
cis-1,2-Dichloroethene	0.233	0.24	-	-3	20	164	0
2,2-Dichloropropane	0.333	0.347	-	-4.2	20	163	-.02
Bromochloromethane	0.105	0.114	-	-8.6	20	167	-.02
Cyclohexane	0.334	0.344	-	-3	20	155	0
Chloroform	0.383	0.414	-	-8.1	20	167	-.02
Ethyl acetate	0.104	0.103	-	1	20	157	0
Carbon tetrachloride	0.344	0.351	-	-2	20	161	-.01
Tetrahydrofuran	10	9.76	-	2.4	20	152	-.02
Dibromofluoromethane	0.268	0.299	-	-11.6	20	174	0
1,1,1-Trichloroethane	0.367	0.403	-	-9.8	20	165	-.02
2-Butanone	0.044	0.043*	-	2.3	20	151	-.02
1,1-Dichloropropene	0.305	0.291	-	4.6	20	147	0
Benzene	0.87	0.858	-	1.4	20	153	-.01
tert-Amyl methyl ether	0.49	0.422	-	13.9	20	136	0
1,2-Dichloroethane-d4	0.287	0.325	-	-13.2	20	170	-.02
1,2-Dichloroethane	0.258	0.28	-	-8.5	20	168	-.02
Methyl cyclohexane	0.382	0.401	-	-5	20	159	0
Trichloroethene	0.247	0.242	-	2	20	165	-.02

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: LaBella Associates, P.C.	**Lab Number**	: L2020006		
Project Name	: JEFFERSON WOLLENSACK	**Project Number**	: 2182207		
Instrument ID	: VOA105	**Calibration Date**	: 05/18/20 18:05		
Lab File ID	: V05200518N01	**Init. Calib. Date(s)**	: 03/13/20	03/14/20	
Sample No	: WG1372229-2	**Init. Calib. Times**	: 20:45	00:13	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Dibromomethane	0.118	0.122	-	-3.4	20	163	-.02
1,2-Dichloropropane	0.206	0.192	-	6.8	20	145	-.02
2-Chloroethyl vinyl ether	0.103	0.076	-	26.2*	20	113	-.02
Bromodichloromethane	0.289	0.287	-	0.7	20	158	0
1,4-Dioxane	0.00105	0.00115*	-	-9.5	20	163	-.02
cis-1,3-Dichloropropene	0.341	0.304	-	10.9	20	142	-.02
Chlorobenzene-d5	1	1	-	0	20	159	-.01
Toluene-d8	1.265	1.298	-	-2.6	20	158	-.02
Toluene	0.72	0.697	-	3.2	20	151	-.02
4-Methyl-2-pentanone	0.053	0.043*	-	18.9	20	127	-.02
Tetrachloroethene	0.343	0.397	-	-15.7	20	179	0
trans-1,3-Dichloropropene	0.35	0.335	-	4.3	20	151	0
Ethyl methacrylate	0.249	0.224	-	10	20	143	0
1,1,2-Trichloroethane	0.164	0.184	-	-12.2	20	172	0
Chlorodibromomethane	0.262	0.28	-	-6.9	20	170	-.02
1,3-Dichloropropane	0.367	0.419	-	-14.2	20	172	0
1,2-Dibromoethane	0.192	0.213	-	-10.9	20	169	-.01
2-Hexanone	0.09	0.076*	-	15.6	20	138	-.01
Chlorobenzene	0.771	0.752	-	2.5	20	155	-.02
Ethylbenzene	1.362	1.336	-	1.9	20	152	-.02
1,1,1,2-Tetrachloroethane	0.261	0.268	-	-2.7	20	157	0
p/m Xylene	0.537	0.52	-	3.2	20	150	-.02
o Xylene	0.517	0.489	-	5.4	20	148	-.02
Styrene	0.803	0.785	-	2.2	20	147	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	186	-.01
Bromoform	0.26	0.232	-	10.8	20	168	0
Isopropylbenzene	2.657	2.107	-	20.7*	20	146	-.01
4-Bromofluorobenzene	0.941	0.797	-	15.3	20	160	-.01
Bromobenzene	0.638	0.576	-	9.7	20	173	0
n-Propylbenzene	3.034	2.531	-	16.6	20	153	-.01
1,4-Dichlorobutane	0.528	0.394	-	25.4*	20	139	0
1,1,2,2-Tetrachloroethane	0.395	0.341	-	13.7	20	167	0
4-Ethyltoluene	2.528	2.051	-	18.9	20	149	0
2-Chlorotoluene	1.718	1.532	-	10.8	20	161	0
1,3,5-Trimethylbenzene	2.115	1.791	-	15.3	20	156	0
1,2,3-Trichloropropane	0.333	0.291	-	12.6	20	168	0
trans-1,4-Dichloro-2-buten	0.091	0.049*	-	46.2*	20	108	0
4-Chlorotoluene	1.81	1.617	-	10.7	20	166	0
tert-Butylbenzene	1.874	1.6	-	14.6	20	158	0
1,2,4-Trimethylbenzene	2.07	1.786	-	13.7	20	160	0
sec-Butylbenzene	2.64	2.289	-	13.3	20	158	0
p-Isopropyltoluene	2.273	1.969	-	13.4	20	158	0
1,3-Dichlorobenzene	1.168	1.106	-	5.3	20	176	-.02

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: LaBella Associates, P.C.	**Lab Number**	: L2020006		
Project Name	: JEFFERSON WOLLENSACK	**Project Number**	: 2182207		
Instrument ID	: VOA105	**Calibration Date**	: 05/18/20 18:05		
Lab File ID	: V05200518N01	**Init. Calib. Date(s)**	: 03/13/20	03/14/20	
Sample No	: WG1372229-2	**Init. Calib. Times**	: 20:45	00:13	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene	1.174	1.093	-	6.9	20	175	0
p-Diethylbenzene	1.32	1.106	-	16.2	20	158	0
n-Butylbenzene	1.933	1.735	-	10.2	20	166	0
1,2-Dichlorobenzene	1.031	0.948	-	8.1	20	171	0
1,2,4,5-Tetramethylbenzene	1.906	1.522	-	20.1*	20	151	-.01
1,2-Dibromo-3-chloropropan	0.052	0.04*	-	23.1*	20	152	0
1,3,5-Trichlorobenzene	0.776	0.696	-	10.3	20	171	-.01
Hexachlorobutadiene	0.308	0.25	-	18.8	20	160	0
1,2,4-Trichlorobenzene	0.642	0.518	-	19.3	20	160	0
Naphthalene	1.064	0.682	-	35.9*	20	127	0
1,2,3-Trichlorobenzene	0.49	0.354	-	27.8*	20	144	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: LaBella Associates, P.C.	**Lab Number**	: L2020006	
Project Name	: JEFFERSON WOLLENSACK	**Project Number**	: 2182207	
Instrument ID	: ELAINE	**Calibration Date**	: 05/19/20 09:05	
Lab File ID	: VE200519A02	**Init. Calib. Date(s)**	: 04/21/20	04/21/20
Sample No	: WG1372327-2	**Init. Calib. Times**	: 16:55	20:10
Channel	:			

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	82	0
Dichlorodifluoromethane	0.164	0.168	-	-2.4	20	72	0
Chloromethane	0.249	0.208	-	16.5	20	60	0
Vinyl chloride	0.229	0.229	-	0	20	75	0
Bromomethane	0.124	0.09*	-	27.4*	20	55	0
Chloroethane	0.132	0.146	-	-10.6	20	79	0
Trichlorofluoromethane	0.25	0.233	-	6.8	20	69	0
Ethyl ether	0.109	0.094	-	13.8	20	64	0
1,1-Dichloroethene	0.165	0.141	-	14.5	20	62	0
Carbon disulfide	0.375	0.354	-	5.6	20	66	0
Freon-113	0.168	0.167	-	0.6	20	71	0
Iodomethane	0.21	0.057	-	72.9*	20	23	0
Acrolein	0.027	0.025*	-	7.4	20	66	0
Methylene chloride	0.188	0.167	-	11.2	20	66	0
Acetone	0.046	0.037*	-	19.6	20	59	0
trans-1,2-Dichloroethene	0.165	0.166	-	-0.6	20	73	0
Methyl acetate	0.137	0.117	-	14.6	20	67	0
Methyl tert-butyl ether	0.511	0.43	-	15.9	20	61	0
tert-Butyl alcohol	0.016	0.012*	-	25*	20	54	0
Diisopropyl ether	0.791	0.733	-	7.3	20	69	0
1,1-Dichloroethane	0.363	0.346	-	4.7	20	70	0
Halothane	0.155	0.135	-	12.9	20	67	0
Acrylonitrile	0.061	0.052	-	14.8	20	62	0
Ethyl tert-butyl ether	0.693	0.6	-	13.4	20	64	0
Vinyl acetate	0.535	0.418	-	21.9*	20	56	0
cis-1,2-Dichloroethene	0.208	0.183	-	12	20	65	0
2,2-Dichloropropane	0.281	0.234	-	16.7	20	61	-.01
Bromochloromethane	0.091	0.088	-	3.3	20	70	0
Cyclohexane	0.385	0.365	-	5.2	20	70	0
Chloroform	0.321	0.282	-	12.1	20	66	0
Ethyl acetate	0.173	0.149	-	13.9	20	65	0
Carbon tetrachloride	0.246	0.209	-	15	20	64	0
Tetrahydrofuran	0.049	0.041*	-	16.3	20	64	0
Dibromofluoromethane	0.238	0.229	-	3.8	20	78	0
1,1,1-Trichloroethane	0.287	0.235	-	18.1	20	60	0
2-Butanone	0.075	0.063*	-	16	20	65	0
1,1-Dichloropropene	0.251	0.221	-	12	20	65	0
Benzene	0.791	0.716	-	9.5	20	68	0
tert-Amyl methyl ether	0.553	0.47	-	15	20	62	0
1,2-Dichloroethane-d4	0.282	0.256	-	9.2	20	75	0
1,2-Dichloroethane	0.249	0.218	-	12.4	20	63	0
Methyl cyclohexane	0.33	0.31	-	6.1	20	68	0
Trichloroethene	0.194	0.168*	-	13.4	20	69	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: LaBella Associates, P.C.	**Lab Number**	: L2020006		
Project Name	: JEFFERSON WOLLENSACK	**Project Number**	: 2182207		
Instrument ID	: ELAINE	**Calibration Date**	: 05/19/20 09:05		
Lab File ID	: VE200519A02	**Init. Calib. Date(s)**	: 04/21/20	04/21/20	
Sample No	: WG1372327-2	**Init. Calib. Times**	: 16:55	20:10	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Dibromomethane	0.099	0.087	-	12.1	20	64	0
1,2-Dichloropropane	0.212	0.2	-	5.7	20	69	0
2-Chloroethyl vinyl ether	0.119	0.109	-	8.4	20	68	0
Bromodichloromethane	0.24	0.206	-	14.2	20	64	0
1,4-Dioxane	0.00136	0.00102*	-	25*	20	54	0
cis-1,3-Dichloropropene	0.312	0.27	-	13.5	20	63	0
Chlorobenzene-d5	1	1	-	0	20	81	0
Toluene-d8	1.351	1.305	-	3.4	20	79	0
Toluene	0.661	0.611	-	7.6	20	70	0
4-Methyl-2-pentanone	0.087	0.069*	-	20.7*	20	61	0
Tetrachloroethene	0.278	0.241	-	13.3	20	65	0
trans-1,3-Dichloropropene	0.377	0.286	-	24.1*	20	58	0
Ethyl methacrylate	0.293	0.227	-	22.5*	20	58	0
1,1,2-Trichloroethane	0.174	0.148	-	14.9	20	64	0
Chlorodibromomethane	0.238	0.205	-	13.9	20	65	0
1,3-Dichloropropane	0.364	0.332	-	8.8	20	69	0
1,2-Dibromoethane	0.201	0.17	-	15.4	20	64	0
2-Hexanone	0.162	0.118	-	27.2*	20	55	0
Chlorobenzene	0.706	0.68	-	3.7	20	72	0
Ethylbenzene	1.202	1.117	-	7.1	20	69	0
1,1,1,2-Tetrachloroethane	0.256	0.221	-	13.7	20	64	0
p/m Xylene	0.479	0.446	-	6.9	20	68	0
o Xylene	0.458	0.433	-	5.5	20	70	0
Styrene	0.746	0.706	-	5.4	20	68	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	80	0
Bromoform	0.283	0.22	-	22.3*	20	57	0
Isopropylbenzene	2.349	2.184	-	7	20	66	0
4-Bromofluorobenzene	0.959	0.901	-	6	20	75	0
Bromobenzene	0.574	0.548	-	4.5	20	70	0
n-Propylbenzene	2.638	2.52	-	4.5	20	68	0
1,4-Dichlorobutane	0.809	0.692	-	14.5	20	61	0
1,1,2,2-Tetrachloroethane	0.456	0.398	-	12.7	20	65	0
4-Ethyltoluene	2.217	2.147	-	3.2	20	69	0
2-Chlorotoluene	1.842	1.706	-	7.4	20	67	0
1,3,5-Trimethylbenzene	1.966	1.764	-	10.3	20	64	0
1,2,3-Trichloropropane	0.387	0.338	-	12.7	20	66	0
trans-1,4-Dichloro-2-buten	0.155	0.115	-	25.8*	20	58	0
4-Chlorotoluene	1.666	1.532	-	8	20	66	0
tert-Butylbenzene	1.935	1.574	-	18.7	20	58	0
1,2,4-Trimethylbenzene	1.933	1.776	-	8.1	20	65	0
sec-Butylbenzene	2.286	2.317	-	-1.4	20	71	0
p-Isopropyltoluene	2.121	1.991	-	6.1	20	66	0
1,3-Dichlorobenzene	1.096	1.045	-	4.7	20	69	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: LaBella Associates, P.C.		**Lab Number**	: L2020006	
Project Name	: JEFFERSON WOLLENSACK		**Project Number**	: 2182207	
Instrument ID	: ELAINE		**Calibration Date**	: 05/19/20 09:05	
Lab File ID	: VE200519A02		**Init. Calib. Date(s)**	: 04/21/20	04/21/20
Sample No	: WG1372327-2		**Init. Calib. Times**	: 16:55	20:10
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene	1.097	1.034	-	5.7	20	69	0
p-Diethylbenzene	1.222	1.21	-	1	20	71	0
n-Butylbenzene	1.788	1.73	-	3.2	20	68	0
1,2-Dichlorobenzene	1.029	0.962	-	6.5	20	68	0
1,2,4,5-Tetramethylbenzene	1.94	1.775	-	8.5	20	64	0
1,2-Dibromo-3-chloropropan	0.079	0.054	-	31.6*	20	56	0
1,3,5-Trichlorobenzene	0.764	0.751	-	1.7	20	71	0
Hexachlorobutadiene	0.273	0.238	-	12.8	20	60	0
1,2,4-Trichlorobenzene	0.71	0.633	-	10.8	20	66	0
Naphthalene	1.586	1.324	-	16.5	20	63	0
1,2,3-Trichlorobenzene	0.646	0.538	-	16.7	20	62	0

* Value outside of QC limits.

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA105\2020\200518N\
Data File : V05200518N01.d
Acq On : 18 May 2020 6:05 pm
Operator : VOA105:AJK
Sample : WG1372229-2
Misc : WG1372229,ICAL16595
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 18 18:32:59 2020
Quant Method : I:\VOLATILES\VOA105\2020\200518N\V105_200313N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Mar 15 01:23:14 2020
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	155	-0.02
2	TP	Dichlorodifluoromethane	0.211	0.257	-21.8#	182	0.00
3	TP	Chloromethane	0.205	0.165	19.5	125	0.00
4	TC	Vinyl chloride	0.257	0.230	10.5	138	0.00
5	TP	Bromomethane	0.141	0.051#	63.8#	62	0.00
6	TP	Chloroethane	0.127	0.085#	33.1#	99	-0.01
7	TP	Trichlorofluoromethane	0.369	0.353	4.3	141	-0.01
8	TP	Ethyl ether	0.099	0.063	36.4#	101	0.00
10	TC	1,1-Dichloroethene	0.191	0.200	-4.7	166	-0.01
11	TP	Carbon disulfide	0.524	0.518	1.1	160	0.00
12	TP	Freon-113	0.189	0.240	-27.0#	191	0.00
13	TP	Iodomethane	0.288	0.123	57.3#	68	-0.02
14	TP	Acrolein	0.017	0.020#	-17.6	202#	0.00
15	TP	Methylene chloride	0.211	0.219	-3.8	168	0.00
17	TP	Acetone	* 10.000	9.539	4.6	148	-0.02
18	TP	trans-1,2-Dichloroethene	0.215	0.225	-4.7	167	0.00
19	TP	Methyl acetate	0.084	0.085#	-1.2	175	0.00
20	TP	Methyl tert-butyl ether	0.463	0.418	9.7	143	-0.01
21	TP	tert-Butyl alcohol	0.00816	0.00818#	-0.2	158	0.00
22	TP	Diisopropyl ether	0.578	0.555	4.0	152	-0.02
23	TP	1,1-Dichloroethane	0.379	0.372	1.8	154	-0.01
24	TP	Halothane	0.166	0.176	-6.0	164	-0.01
25	TP	Acrylonitrile	0.036	0.033#	8.3	150	-0.02
26	TP	Ethyl tert-butyl ether	0.531	0.490	7.7	146	0.00
27	TP	Vinyl acetate	0.300	0.306	-2.0	175	0.00
28	TP	cis-1,2-Dichloroethene	0.233	0.240	-3.0	164	0.00
29	TP	2,2-Dichloropropane	0.333	0.347	-4.2	163	-0.02
30	TP	Bromochloromethane	0.105	0.114	-8.6	167	-0.02
31	TP	Cyclohexane	0.334	0.344	-3.0	155	0.00
32	TC	Chloroform	0.383	0.414	-8.1	167	-0.02
33	TP	Ethyl acetate	0.104	0.103	1.0	157	0.00
34	TP	Carbon tetrachloride	0.344	0.351	-2.0	161	-0.01
35	TP	Tetrahydrofuran	* 10.000	9.760	2.4	152	-0.02
36	S	Dibromofluoromethane	0.268	0.299	-11.6	174	0.00
37	TP	1,1,1-Trichloroethane	0.367	0.403	-9.8	165	-0.02
39	TP	2-Butanone	0.044	0.043#	2.3	151	-0.02
40	TP	1,1-Dichloropropene	0.305	0.291	4.6	147	0.00
41	TP	Benzene	0.870	0.858	1.4	153	-0.01
42	TP	tert-Amyl methyl ether	0.490	0.422	13.9	136	0.00

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA105\2020\200518N\
Data File : V05200518N01.d
Acq On : 18 May 2020 6:05 pm
Operator : VOA105:AJK
Sample : WG1372229-2
Misc : WG1372229,ICAL16595
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 18 18:32:59 2020
Quant Method : I:\VOLATILES\VOA105\2020\200518N\V105_200313N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Mar 15 01:23:14 2020
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
43	S	1,2-Dichloroethane-d4	0.287	0.325	-13.2	170	-0.02
44	TP	1,2-Dichloroethane	0.258	0.280	-8.5	168	-0.02
47	TP	Methyl cyclohexane	0.382	0.401	-5.0	159	0.00
48	TP	Trichloroethene	0.247	0.242	2.0	165	-0.02
50	TP	Dibromomethane	0.118	0.122	-3.4	163	-0.02
51	TC	1,2-Dichloropropane	0.206	0.192	6.8	145	-0.02
53	TP	2-Chloroethyl vinyl ether	0.103	0.076	26.2#	113	-0.02
54	TP	Bromodichloromethane	0.289	0.287	0.7	158	0.00
57	TP	1,4-Dioxane	0.00105	0.00115#	-9.5	163	-0.02
58	TP	cis-1,3-Dichloropropene	0.341	0.304	10.9	142	-0.02
59	I	Chlorobenzene-d5	1.000	1.000	0.0	159	-0.01
60	S	Toluene-d8	1.265	1.298	-2.6	158	-0.02
61	TC	Toluene	0.720	0.697	3.2	151	-0.02
62	TP	4-Methyl-2-pentanone	0.053	0.043#	18.9	127	-0.02
63	TP	Tetrachloroethene	0.343	0.397	-15.7	179	0.00
65	TP	trans-1,3-Dichloropropene	0.350	0.335	4.3	151	0.00
67	TP	Ethyl methacrylate	0.249	0.224	10.0	143	0.00
68	TP	1,1,2-Trichloroethane	0.164	0.184	-12.2	172	0.00
69	TP	Chlorodibromomethane	0.262	0.280	-6.9	170	-0.02
70	TP	1,3-Dichloropropane	0.367	0.419	-14.2	172	0.00
71	TP	1,2-Dibromoethane	0.192	0.213	-10.9	169	-0.01
72	TP	2-Hexanone	0.090	0.076#	15.6	138	-0.01
73	TP	Chlorobenzene	0.771	0.752	2.5	155	-0.02
74	TC	Ethylbenzene	1.362	1.336	1.9	152	-0.02
75	TP	1,1,1,2-Tetrachloroethane	0.261	0.268	-2.7	157	0.00
76	TP	p/m Xylene	0.537	0.520	3.2	150	-0.02
77	TP	o Xylene	0.517	0.489	5.4	148	-0.02
78	TP	Styrene	0.803	0.785	2.2	147	0.00
79	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	186	-0.01
80	TP	Bromoform	0.260	0.232	10.8	168	0.00
82	TP	Isopropylbenzene	2.657	2.107	20.7#	146	-0.01
83	S	4-Bromofluorobenzene	0.941	0.797	15.3	160	-0.01
84	TP	Bromobenzene	0.638	0.576	9.7	173	0.00
85	TP	n-Propylbenzene	3.034	2.531	16.6	153	-0.01
86	TP	1,4-Dichlorobutane	0.528	0.394	25.4#	139	0.00
87	TP	1,1,2,2-Tetrachloroethane	0.395	0.341	13.7	167	0.00
88	TP	4-Ethyltoluene	2.528	2.051	18.9	149	0.00

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA105\2020\200518N\
Data File : V05200518N01.d
Acq On : 18 May 2020 6:05 pm
Operator : VOA105:AJK
Sample : WG1372229-2
Misc : WG1372229,ICAL16595
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 18 18:32:59 2020
Quant Method : I:\VOLATILES\VOA105\2020\200518N\V105_200313N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Mar 15 01:23:14 2020
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
89 TP	2-Chlorotoluene	1.718	1.532	10.8	161	0.00
90 TP	1,3,5-Trimethylbenzene	2.115	1.791	15.3	156	0.00
91 TP	1,2,3-Trichloropropane	0.333	0.291	12.6	168	0.00
92 TP	trans-1,4-Dichloro-2-butene	0.091	0.049#	46.2#	108	0.00
93 TP	4-Chlorotoluene	1.810	1.617	10.7	166	0.00
94 TP	tert-Butylbenzene	1.874	1.600	14.6	158	0.00
97 TP	1,2,4-Trimethylbenzene	2.070	1.786	13.7	160	0.00
98 TP	sec-Butylbenzene	2.640	2.289	13.3	158	0.00
99 TP	p-Isopropyltoluene	2.273	1.969	13.4	158	0.00
100 TP	1,3-Dichlorobenzene	1.168	1.106	5.3	176	-0.02
101 TP	1,4-Dichlorobenzene	1.174	1.093	6.9	175	0.00
102 TP	p-Diethylbenzene	1.320	1.106	16.2	158	0.00
103 TP	n-Butylbenzene	1.933	1.735	10.2	166	0.00
104 TP	1,2-Dichlorobenzene	1.031	0.948	8.1	171	0.00
105 TP	1,2,4,5-Tetramethylbenzene	1.906	1.522	20.1#	151	-0.01
106 TP	1,2-Dibromo-3-chloropropane	0.052	0.040#	23.1#	152	0.00
107 TP	1,3,5-Trichlorobenzene	0.776	0.696	10.3	171	-0.01
108 TP	Hexachlorobutadiene	0.308	0.250	18.8	160	0.00
109 TP	1,2,4-Trichlorobenzene	0.642	0.518	19.3	160	0.00
110 TP	Naphthalene	1.064	0.682	35.9#	127	0.00
111 TP	1,2,3-Trichlorobenzene	0.490	0.354	27.8#	144	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 12 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2020\200518N\
Data File : V05200518N01.d
Acq On : 18 May 2020 6:05 pm
Operator : VOA105:AJK
Sample : WG1372229-2
Misc : WG1372229,ICAL16595
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 18 18:32:59 2020
Quant Method : I:\VOLATILES\VOA105\2020\200518N\V105_200313N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Mar 15 01:23:14 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2020\200518N\V05200518N01.d
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.027	96	1103307	10.000	ug/L	-0.02
Standard Area 1 = 1103307			Recovery = 100.00%			
59) Chlorobenzene-d5	9.559	117	869831	10.000	ug/L	-0.01
Standard Area 1 = 869831			Recovery = 100.00%			
79) 1,4-Dichlorobenzene-d4	12.253	152	540562	10.000	ug/L	-0.01
Standard Area 1 = 540562			Recovery = 100.00%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.234	113	329850	11.168	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 111.68%			
43) 1,2-Dichloroethane-d4	5.753	65	358893	11.338	ug/L	-0.02
Spiked Amount 10.000	Range 70 - 130		Recovery = 113.38%			
60) Toluene-d8	7.709	98	1129131	10.260	ug/L	-0.02
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.60%			
83) 4-Bromofluorobenzene	11.048	95	430816	8.470	ug/L	-0.01
Spiked Amount 10.000	Range 70 - 130		Recovery = 84.70%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.664	85	283645	12.186	ug/L	99
3) Chloromethane	1.860	50	182590	8.092	ug/L	97
4) Vinyl chloride	1.938	62	253496	8.957	ug/L	99
5) Bromomethane	2.242	94	56204	3.606	ug/L	100
6) Chloroethane	2.359	64	93987	6.709	ug/L	98
7) Trichlorofluoromethane	2.496	101	389850	9.574	ug/L	98
8) Ethyl ether	2.789	74	69688	6.387	ug/L	87
10) 1,1-Dichloroethene	2.985	96	220570	10.447	ug/L	90
11) Carbon disulfide	3.014	76	571970	9.897	ug/L	100
12) Freon-113	3.014	101	264632	12.681	ug/L	88
13) Iodomethane	3.122	142	136062	4.281	ug/L	96
14) Acrolein	3.317	56	21659	11.873	ug/L	94
15) Methylene chloride	3.542	84	241335	10.380	ug/L	97
17) Acetone	3.591	43	32134M3	9.539	ug/L	
18) trans-1,2-Dichloroethene	3.689	96	248053	10.452	ug/L	93
19) Methyl acetate	3.709	43	94316M4	10.215	ug/L	
20) Methyl tert-butyl ether	3.787	73	461201	9.027	ug/L	96
21) tert-Butyl alcohol	3.894	59	45137	50.143	ug/L	88
22) Diisopropyl ether	4.129	45	611822	9.587	ug/L	96
23) 1,1-Dichloroethane	4.276	63	410913	9.821	ug/L	99
24) Halothane	4.325	117	194107	10.593	ug/L	99

Data Path : I:\VOLATILES\VOA105\2020\200518N\
Data File : V05200518N01.d
Acq On : 18 May 2020 6:05 pm
Operator : VOA105:AJK
Sample : WG1372229-2
Misc : WG1372229,ICAL16595
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 18 18:32:59 2020
Quant Method : I:\VOLATILES\VOA105\2020\200518N\V105_200313N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Mar 15 01:23:14 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2020\200518N\V05200518N01.d
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	4.335	53	36703	9.144	ug/L		92
26) Ethyl tert-butyl ether	4.481	59	540496	9.223	ug/L	#	88
27) Vinyl acetate	4.511	43	337425M3	10.207	ug/L		
28) cis-1,2-Dichloroethene	4.794	96	265126	10.324	ug/L		96
29) 2,2-Dichloropropane	4.882	77	382791	10.416	ug/L		96
30) Bromochloromethane	4.980	128	125631	10.807	ug/L		95
31) Cyclohexane	4.970	56	379878	10.316	ug/L		99
32) Chloroform	5.049	83	457307	10.817	ug/L		98
33) Ethyl acetate	5.166	43	113553	9.927	ug/L		95
34) Carbon tetrachloride	5.176	117	387314	10.218	ug/L		98
35) Tetrahydrofuran	5.205	42	34806M3	9.760	ug/L		
37) 1,1,1-Trichloroethane	5.244	97	444334	10.961	ug/L		99
39) 2-Butanone	5.352	43	47050	9.744	ug/L		86
40) 1,1-Dichloropropene	5.371	75	321313	9.550	ug/L		95
41) Benzene	5.616	78	946537	9.862	ug/L		99
42) tert-Amyl methyl ether	5.714	73	465926	8.618	ug/L		98
44) 1,2-Dichloroethane	5.821	62	308913	10.844	ug/L		98
47) Methyl cyclohexane	6.183	83	442017	10.501	ug/L		95
48) Trichloroethene	6.203	95	267376	9.797	ug/L		95
50) Dibromomethane	6.653	93	135005	10.343	ug/L		88
51) 1,2-Dichloropropane	6.750	63	212013	9.339	ug/L		95
53) 2-Chloroethyl vinyl ether	7.445	63	83783	7.343	ug/L		97
54) Bromodichloromethane	6.829	83	316108	9.907	ug/L		99
57) 1,4-Dioxane	7.034	88	63573	548.827	ug/L		96
58) cis-1,3-Dichloropropene	7.513	75	335059	8.903	ug/L		94
61) Toluene	7.768	92	606271	9.681	ug/L		97
62) 4-Methyl-2-pentanone	8.208	58	37193	8.000	ug/L		85
63) Tetrachloroethene	8.218	166	345206	11.584	ug/L		93
65) trans-1,3-Dichloropropene	8.267	75	291562	9.568	ug/L		91
67) Ethyl methacrylate	8.443	69	195131	9.027	ug/L		99
68) 1,1,2-Trichloroethane	8.452	83	159651	11.226	ug/L		98
69) Chlorodibromomethane	8.658	129	243127	10.655	ug/L		98
70) 1,3-Dichloropropane	8.775	76	364735	11.418	ug/L		99
71) 1,2-Dibromoethane	8.942	107	185413	11.108	ug/L		99
72) 2-Hexanone	9.226	43	66278	8.507	ug/L		93
73) Chlorobenzene	9.579	112	653843	9.747	ug/L		95
74) Ethylbenzene	9.608	91	1162489	9.813	ug/L		95
75) 1,1,1,2-Tetrachloroethane	9.667	131	233490	10.293	ug/L		98
76) p/m Xylene	9.794	106	905489	19.380	ug/L		86
77) o Xylene	10.333	106	849911	18.917	ug/L		88

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2020\200518N\
Data File : V05200518N01.d
Acq On : 18 May 2020 6:05 pm
Operator : VOA105:AJK
Sample : WG1372229-2
Misc : WG1372229,ICAL16595
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 18 18:32:59 2020
Quant Method : I:\VOLATILES\VOA105\2020\200518N\V105_200313N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Mar 15 01:23:14 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2020\200518N\V05200518N01.d
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
78) Styrene	10.411	104	1365989	19.554	ug/L		92
80) Bromoform	10.441	173	125379	8.930	ug/L		97
82) Isopropylbenzene	10.715	105	1139114	7.932	ug/L		95
84) Bromobenzene	11.165	156	311293	9.028	ug/L		100
85) n-Propylbenzene	11.195	91	1367943	8.339	ug/L		96
86) 1,4-Dichlorobutane	11.224	55	212911	7.467	ug/L		100
87) 1,1,2,2-Tetrachloroethane	11.303	83	184392	8.632	ug/L		98
88) 4-Ethyltoluene	11.322	105	1108815	8.113	ug/L		96
89) 2-Chlorotoluene	11.371	91	828300M3	8.921	ug/L		
90) 1,3,5-Trimethylbenzene	11.420	105	968172	8.470	ug/L		94
91) 1,2,3-Trichloropropane	11.440	75	157278M4	8.740	ug/L		
92) trans-1,4-Dichloro-2-b...	11.489	53	26221	5.356	ug/L	#	40
93) 4-Chlorotoluene	11.557	91	874110	8.934	ug/L		93
94) tert-Butylbenzene	11.753	119	864771	8.538	ug/L		93
97) 1,2,4-Trimethylbenzene	11.841	105	965542	8.627	ug/L		94
98) sec-Butylbenzene	11.949	105	1237345	8.672	ug/L		97
99) p-Isopropyltoluene	12.096	119	1064589	8.664	ug/L		97
100) 1,3-Dichlorobenzene	12.174	146	597613	9.464	ug/L		95
101) 1,4-Dichlorobenzene	12.272	146	590843	9.310	ug/L		95
102) p-Diethylbenzene	12.468	119	597786	8.378	ug/L		98
103) n-Butylbenzene	12.527	91	938005	8.976	ug/L		97
104) 1,2-Dichlorobenzene	12.694	146	512243	9.191	ug/L		96
105) 1,2,4,5-Tetramethylben...	13.262	119	822574	7.985	ug/L		96
106) 1,2-Dibromo-3-chloropr...	13.477	155	21561	7.630	ug/L		98
107) 1,3,5-Trichlorobenzene	13.497	180	376468	8.974	ug/L		98
108) Hexachlorobutadiene	14.065	225	135278	8.131	ug/L		100
109) 1,2,4-Trichlorobenzene	14.094	180	279863	8.070	ug/L		98
110) Naphthalene	14.388	128	368584	6.409	ug/L		100
111) 1,2,3-Trichlorobenzene	14.555	180	191313	7.219	ug/L		98

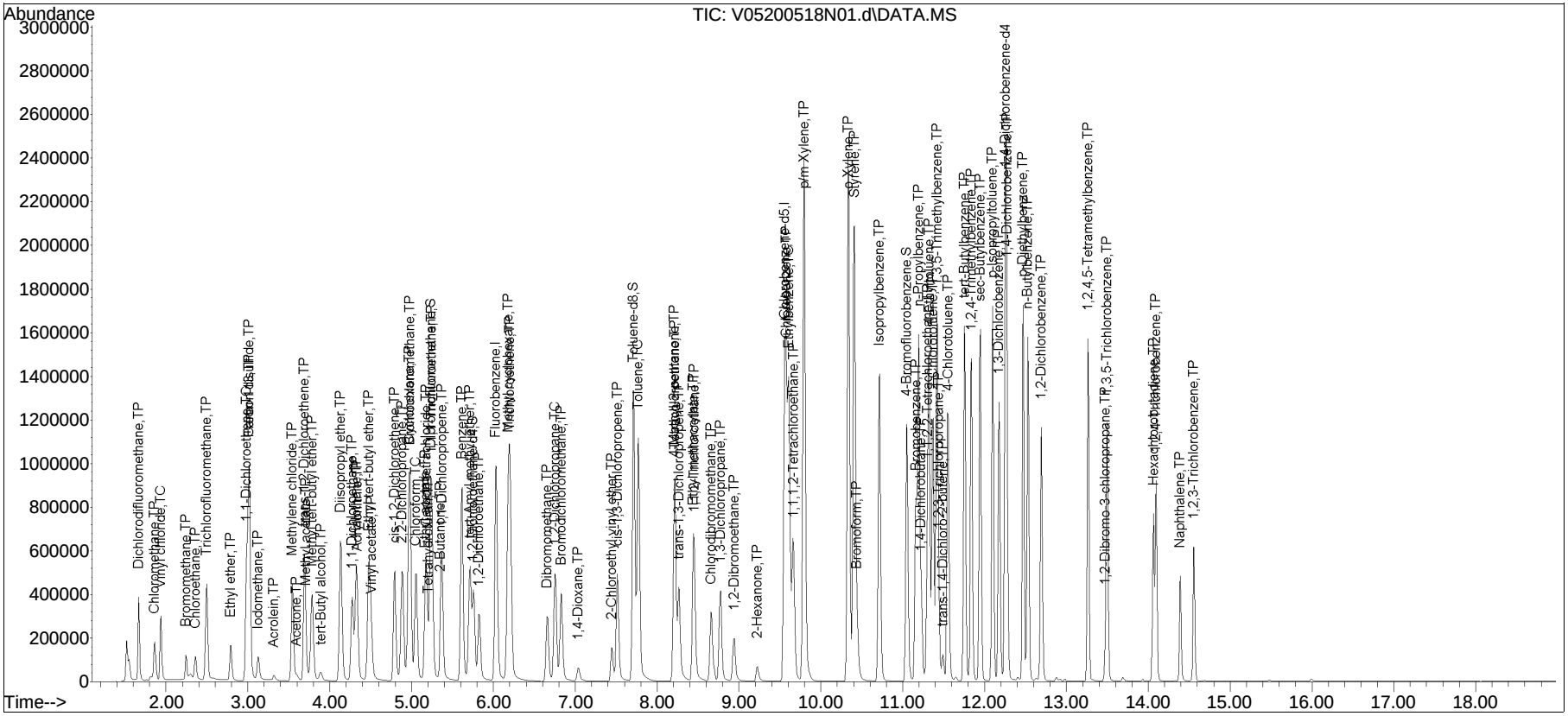
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2020\200518N\
Data File : V05200518N01.d
Acq On : 18 May 2020 6:05 pm
Operator : VOA105:AJK
Sample : WG1372229-2
Misc : WG1372229,ICAL16595
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 18 18:32:59 2020
Quant Method : I:\VOLATILES\VOA105\2020\200518N\V105_200313N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Mar 15 01:23:14 2020
Response via : Initial Calibration

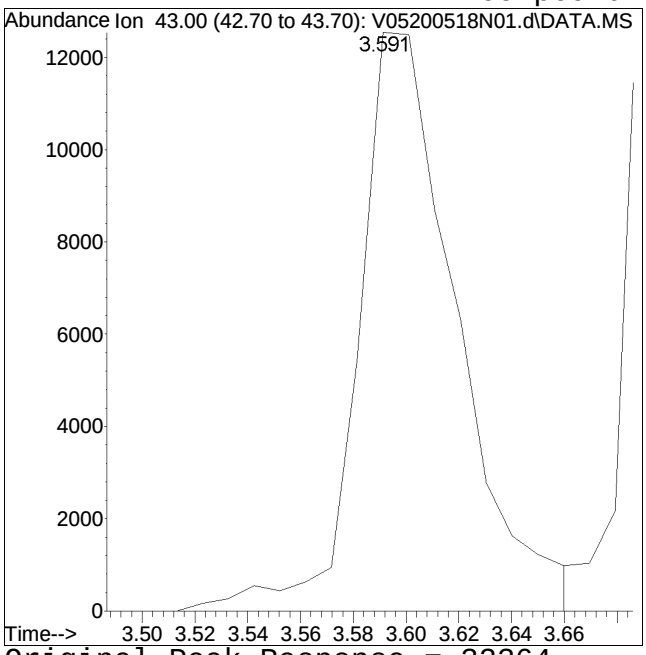
Sub List : 8260-Curve - Megamix plus Diox00518N\V05200518N01.d•



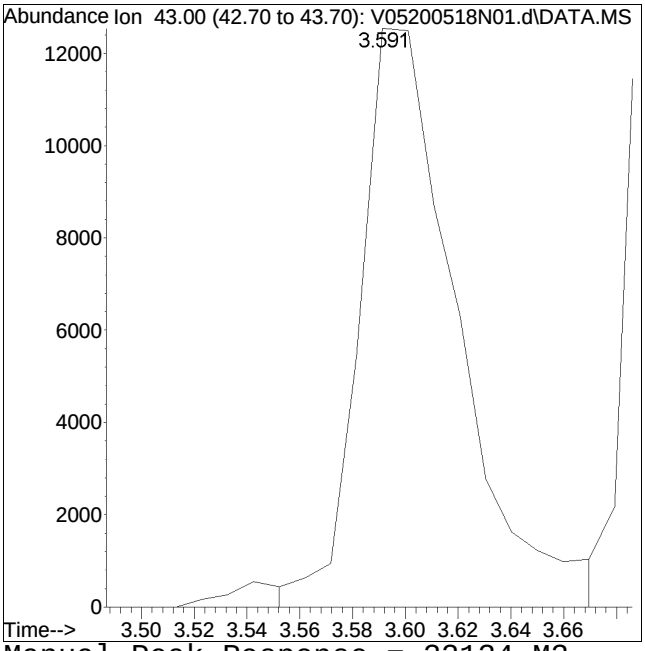
Manual Integration Report

Data Path : I:\VOLATILES\VOA105\2020\2QMethod : V105_200313N_8260.m
Data File : V05200518N01.d Operator : VOA105:AJK
Date Inj'd : 5/18/2020 6:05 pm Instrument : VOA 105
Sample : WG1372229-2 Quant Date : 5/18/2020 6:31 pm

Compound #17: Acetone



Original Peak Response = 32364



Manual Peak Response = 32134 M3

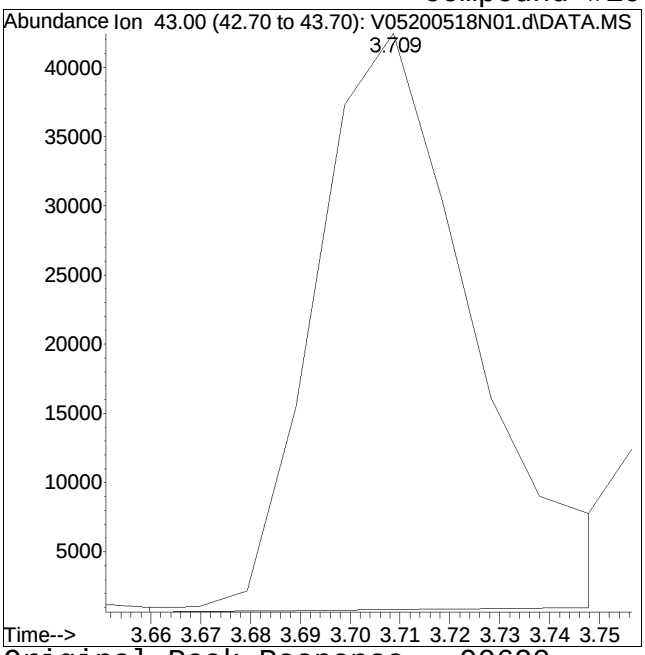
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

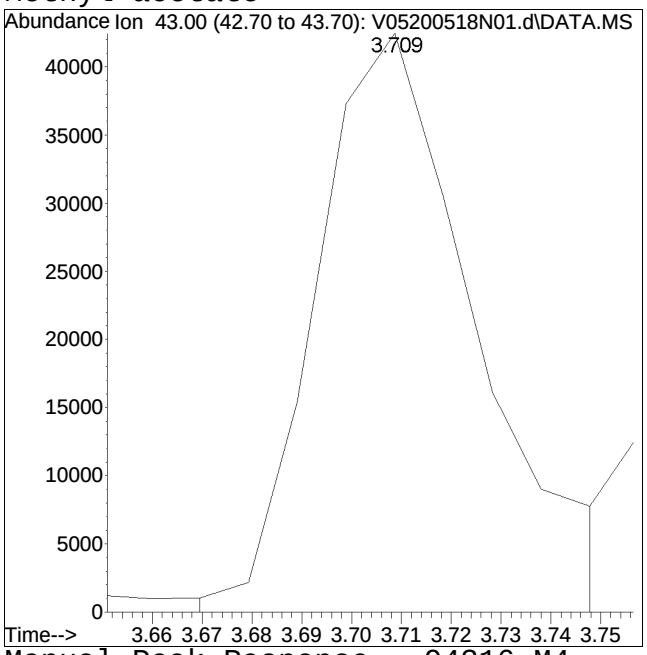
Data Path : I:\VOLATILES\VOA105\2020\2Q
Data File : V05200518N01.d
Date Inj'd : 5/18/2020 6:05 pm
Sample : WG1372229-2

Method : V105_200313N_8260.m
Operator : VOA105:AJK
Instrument : VOA 105
Quant Date : 5/18/2020 6:31 pm

Compound #19: Methyl acetate



Original Peak Response = 90620



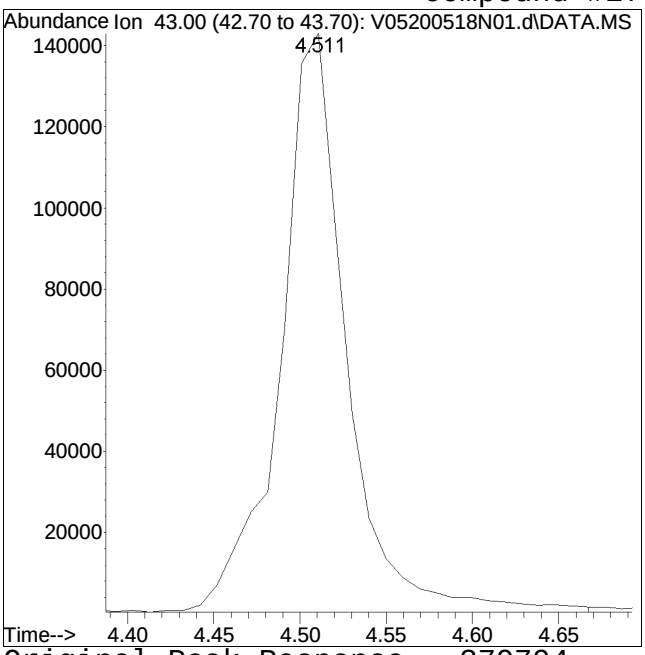
Manual Peak Response = 94316 M4

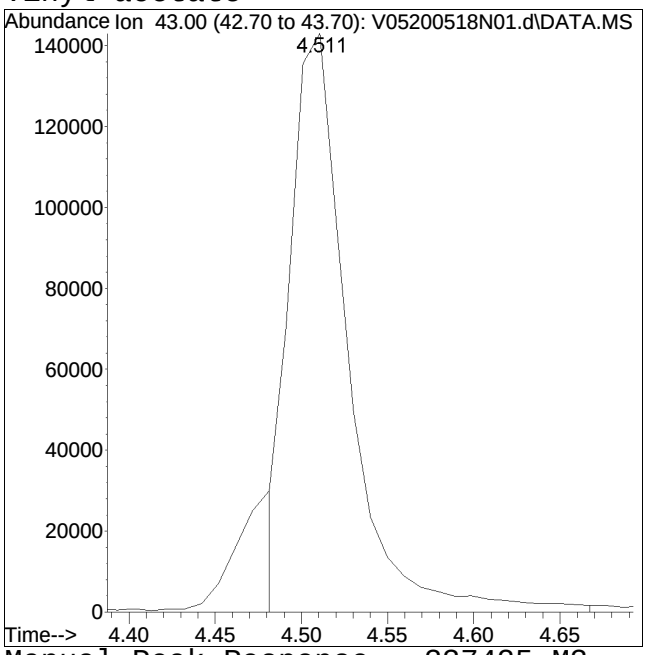
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\VOLATILES\VOA105\2020\2QMethod : V105_200313N_8260.m
Data File : V05200518N01.d Operator : VOA105:AJK
Date Inj'd : 5/18/2020 6:05 pm Instrument : VOA 105
Sample : WG1372229-2 Quant Date : 5/18/2020 6:31 pm

Compound #27: Vinyl acetate





Original Peak Response = 379794 Manual Peak Response = 337425 M3

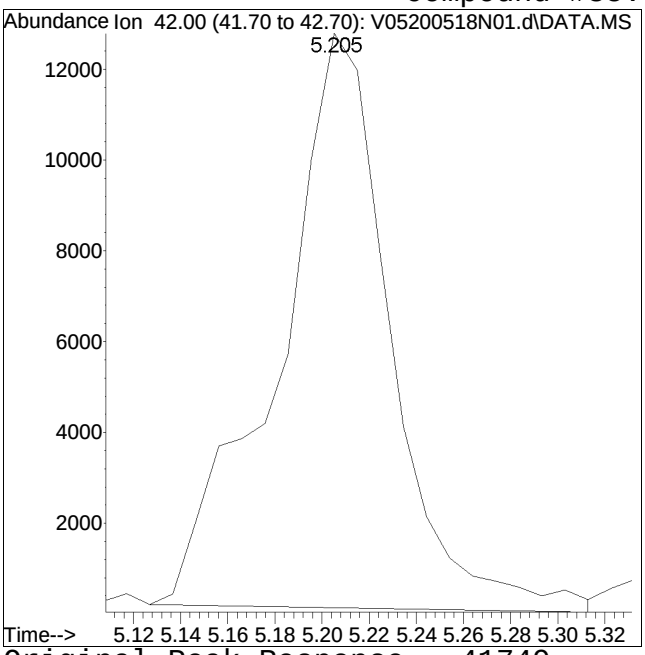
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

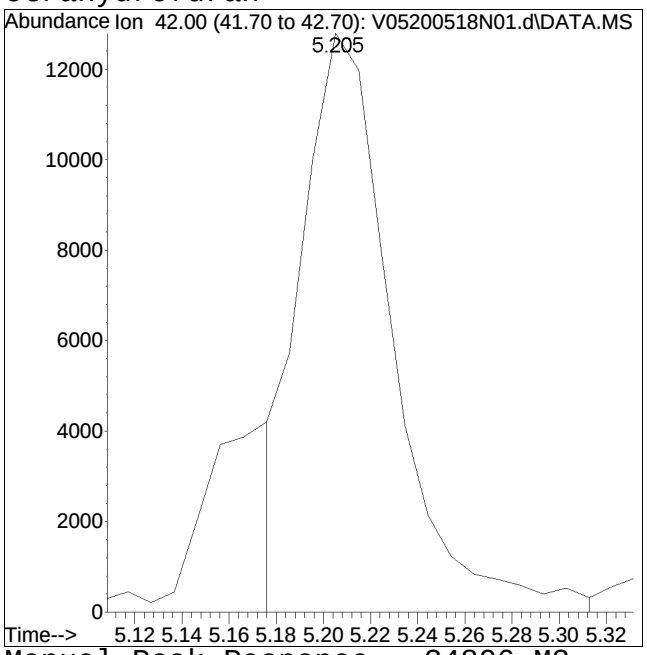
Manual Integration Report

Data Path : I:\VOLATILES\VOA105\2020\2Q
Data File : V05200518N01.d
Date Inj'd : 5/18/2020 6:05 pm
Sample : WG1372229-2

Method : V105_200313N_8260.m
Operator : VOA105:AJK
Instrument : VOA 105
Quant Date : 5/18/2020 6:31 pm

Compound #35: Tetrahydrofuran





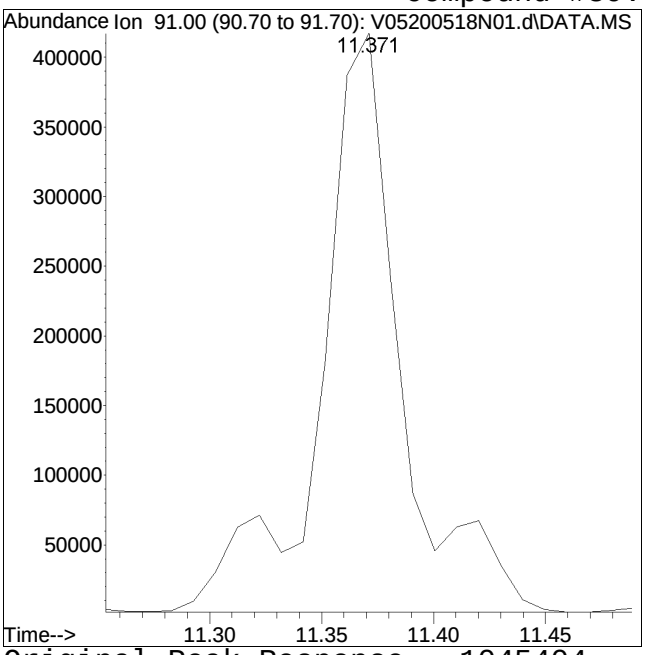
Original Peak Response = 41749 Manual Peak Response = 34806 M3

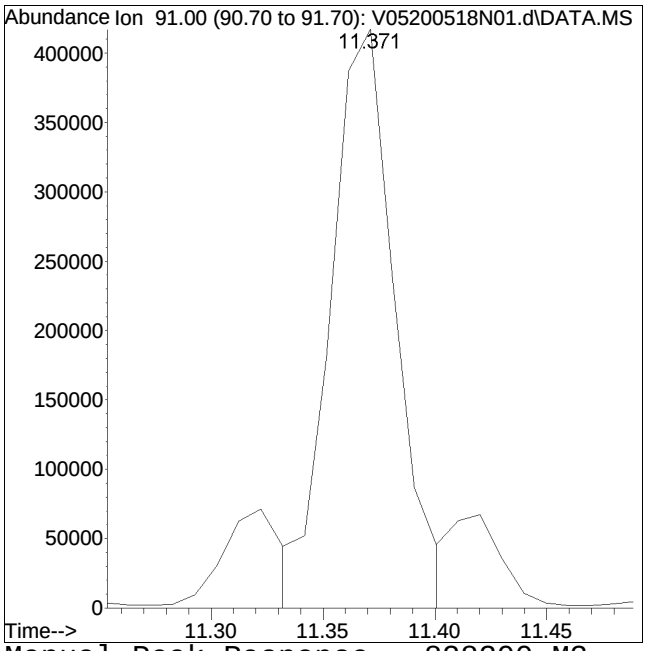
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\VOLATILES\VOA105\2020\2QMethod : V105_200313N_8260.m
Data File : V05200518N01.d Operator : VOA105:AJK
Date Inj'd : 5/18/2020 6:05 pm Instrument : VOA 105
Sample : WG1372229-2 Quant Date : 5/18/2020 6:31 pm

Compound #89: 2-Chlorotoluene



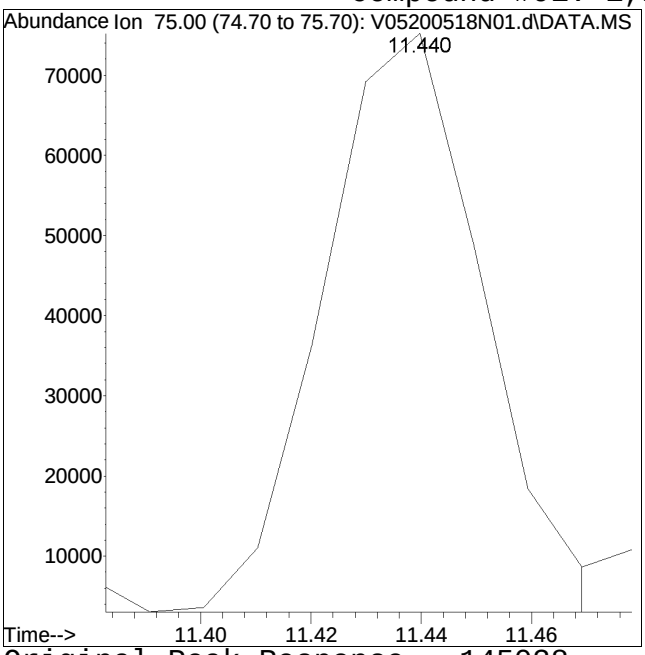


Original Peak Response = 1045404 Manual Peak Response = 828300 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

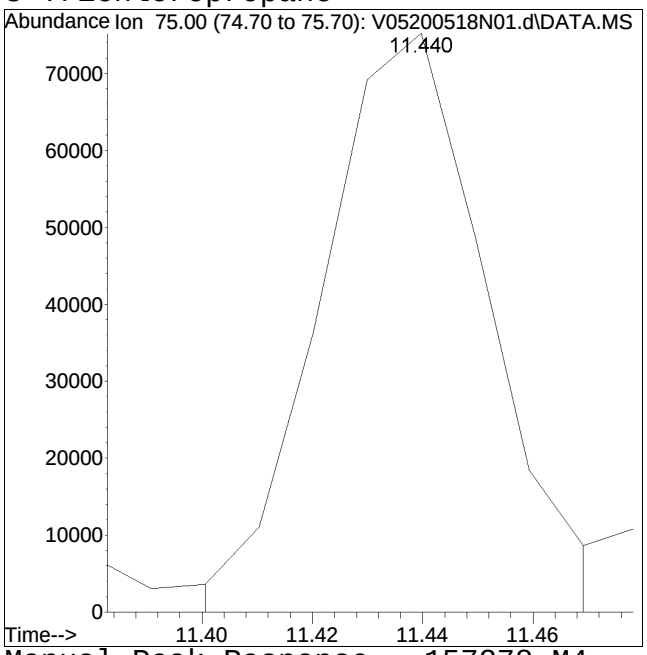
Manual Integration Report

Data Path : I:\VOLATILES\VOA105\2020\2QMethod : V105_200313N_8260.m
Data File : V05200518N01.d Operator : VOA105:AJK
Date Inj'd : 5/18/2020 6:05 pm Instrument : VOA 105
Sample : WG1372229-2 Quant Date : 5/18/2020 6:31 pm

Compound #91: 1,2,3-Trichloropropane



Original Peak Response = 145038



Manual Peak Response = 157278 M4

M4 = Poor automated baseline construction.

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\Elaine\2020\200519A\
Data File : VE200519A02.D
Acq On : 19 May 2020 9:05 am
Operator : ELAINE:PD
Sample : WG1372327-2
Misc : WG1372327,ICAL16716
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 19 10:53:45 2020
Quant Method : I:\VOLATILES\Elaine\2020\200519A\Elaine_200421N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 22 18:53:41 2020
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	82	0.00
2	TP	Dichlorodifluoromethane	0.164	0.168	-2.4	72	0.00
3	TP	Chloromethane	0.249	0.208	16.5	60	0.00
4	TC	Vinyl chloride	0.229	0.229	0.0	75	0.00
5	TP	Bromomethane	0.124	0.090#	27.4#	55	0.00
6	TP	Chloroethane	0.132	0.146	-10.6	79	0.00
7	TP	Trichlorofluoromethane	0.250	0.233	6.8	69	0.00
8	TP	Ethyl ether	0.109	0.094	13.8	64	0.00
10	TC	1,1-Dichloroethene	0.165	0.141	14.5	62	0.00
11	TP	Carbon disulfide	0.375	0.354	5.6	66	0.00
12	TP	Freon-113	0.168	0.167	0.6	71	0.00
13	TP	Iodomethane	0.210	0.057	72.9#	23#	0.00
14	TP	Acrolein	0.027	0.025#	7.4	66	0.00
15	TP	Methylene chloride	0.188	0.167	11.2	66	0.00
17	TP	Acetone	0.046	0.037#	19.6	59	0.00
18	TP	trans-1,2-Dichloroethene	0.165	0.166	-0.6	73	0.00
19	TP	Methyl acetate	0.137	0.117	14.6	67	0.00
20	TP	Methyl tert-butyl ether	0.511	0.430	15.9	61	0.00
21	TP	tert-Butyl alcohol	0.016	0.012#	25.0#	54	0.00
22	TP	Diisopropyl ether	0.791	0.733	7.3	69	0.00
23	TP	1,1-Dichloroethane	0.363	0.346	4.7	70	0.00
24	TP	Halothane	0.155	0.135	12.9	67	0.00
25	TP	Acrylonitrile	0.061	0.052	14.8	62	0.00
26	TP	Ethyl tert-butyl ether	0.693	0.600	13.4	64	0.00
27	TP	Vinyl acetate	0.535	0.418	21.9#	56	0.00
28	TP	cis-1,2-Dichloroethene	0.208	0.183	12.0	65	0.00
29	TP	2,2-Dichloropropane	0.281	0.234	16.7	61	-0.01
30	TP	Bromochloromethane	0.091	0.088	3.3	70	0.00
31	TP	Cyclohexane	0.385	0.365	5.2	70	0.00
32	TC	Chloroform	0.321	0.282	12.1	66	0.00
33	TP	Ethyl acetate	0.173	0.149	13.9	65	0.00
34	TP	Carbon tetrachloride	0.246	0.209	15.0	64	0.00
35	TP	Tetrahydrofuran	0.049	0.041#	16.3	64	0.00
36	S	Dibromofluoromethane	0.238	0.229	3.8	78	0.00
37	TP	1,1,1-Trichloroethane	0.287	0.235	18.1	60	0.00
39	TP	2-Butanone	0.075	0.063#	16.0	65	0.00
40	TP	1,1-Dichloropropene	0.251	0.221	12.0	65	0.00
41	TP	Benzene	0.791	0.716	9.5	68	0.00
42	TP	tert-Amyl methyl ether	0.553	0.470	15.0	62	0.00

Data Path : I:\VOLATILES\Elaine\2020\200519A\
Data File : VE200519A02.D
Acq On : 19 May 2020 9:05 am
Operator : ELAINE:PD
Sample : WG1372327-2
Misc : WG1372327,ICAL16716
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 19 10:53:45 2020
Quant Method : I:\VOLATILES\Elaine\2020\200519A\Elaine_200421N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 22 18:53:41 2020
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
43	S	1,2-Dichloroethane-d4	0.282	0.256	9.2	75	0.00
44	TP	1,2-Dichloroethane	0.249	0.218	12.4	63	0.00
47	TP	Methyl cyclohexane	0.330	0.310	6.1	68	0.00
48	TP	Trichloroethene	0.194	0.168#	13.4	69	0.00
50	TP	Dibromomethane	0.099	0.087	12.1	64	0.00
51	TC	1,2-Dichloropropane	0.212	0.200	5.7	69	0.00
53	TP	2-Chloroethyl vinyl ether	0.119	0.109	8.4	68	0.00
54	TP	Bromodichloromethane	0.240	0.206	14.2	64	0.00
57	TP	1,4-Dioxane	0.00136	0.00102#	25.0#	54	0.00
58	TP	cis-1,3-Dichloropropene	0.312	0.270	13.5	63	0.00
59	I	Chlorobenzene-d5	1.000	1.000	0.0	81	0.00
60	S	Toluene-d8	1.351	1.305	3.4	79	0.00
61	TC	Toluene	0.661	0.611	7.6	70	0.00
62	TP	4-Methyl-2-pentanone	0.087	0.069#	20.7#	61	0.00
63	TP	Tetrachloroethene	0.278	0.241	13.3	65	0.00
65	TP	trans-1,3-Dichloropropene	0.377	0.286	24.1#	58	0.00
67	TP	Ethyl methacrylate	0.293	0.227	22.5#	58	0.00
68	TP	1,1,2-Trichloroethane	0.174	0.148	14.9	64	0.00
69	TP	Chlorodibromomethane	0.238	0.205	13.9	65	0.00
70	TP	1,3-Dichloropropane	0.364	0.332	8.8	69	0.00
71	TP	1,2-Dibromoethane	0.201	0.170	15.4	64	0.00
72	TP	2-Hexanone	0.162	0.118	27.2#	55	0.00
73	TP	Chlorobenzene	0.706	0.680	3.7	72	0.00
74	TC	Ethylbenzene	1.202	1.117	7.1	69	0.00
75	TP	1,1,1,2-Tetrachloroethane	0.256	0.221	13.7	64	0.00
76	TP	p/m Xylene	0.479	0.446	6.9	68	0.00
77	TP	o Xylene	0.458	0.433	5.5	70	0.00
78	TP	Styrene	0.746	0.706	5.4	68	0.00
79	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	80	0.00
80	TP	Bromoform	0.283	0.220	22.3#	57	0.00
82	TP	Isopropylbenzene	2.349	2.184	7.0	66	0.00
83	S	4-Bromofluorobenzene	0.959	0.901	6.0	75	0.00
84	TP	Bromobenzene	0.574	0.548	4.5	70	0.00
85	TP	n-Propylbenzene	2.638	2.520	4.5	68	0.00
86	TP	1,4-Dichlorobutane	0.809	0.692	14.5	61	0.00
87	TP	1,1,2,2-Tetrachloroethane	0.456	0.398	12.7	65	0.00
88	TP	4-Ethyltoluene	2.217	2.147	3.2	69	0.00

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\Elaine\2020\200519A\
Data File : VE200519A02.D
Acq On : 19 May 2020 9:05 am
Operator : ELAINE:PD
Sample : WG1372327-2
Misc : WG1372327,ICAL16716
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 19 10:53:45 2020
Quant Method : I:\VOLATILES\Elaine\2020\200519A\Elaine_200421N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 22 18:53:41 2020
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
89 TP	2-Chlorotoluene	1.842	1.706	7.4	67	0.00
90 TP	1,3,5-Trimethylbenzene	1.966	1.764	10.3	64	0.00
91 TP	1,2,3-Trichloropropane	0.387	0.338	12.7	66	0.00
92 TP	trans-1,4-Dichloro-2-butene	0.155	0.115	25.8#	58	0.00
93 TP	4-Chlorotoluene	1.666	1.532	8.0	66	0.00
94 TP	tert-Butylbenzene	1.935	1.574	18.7	58	0.00
97 TP	1,2,4-Trimethylbenzene	1.933	1.776	8.1	65	0.00
98 TP	sec-Butylbenzene	2.286	2.317	-1.4	71	0.00
99 TP	p-Isopropyltoluene	2.121	1.991	6.1	66	0.00
100 TP	1,3-Dichlorobenzene	1.096	1.045	4.7	69	0.00
101 TP	1,4-Dichlorobenzene	1.097	1.034	5.7	69	0.00
102 TP	p-Diethylbenzene	1.222	1.210	1.0	71	0.00
103 TP	n-Butylbenzene	1.788	1.730	3.2	68	0.00
104 TP	1,2-Dichlorobenzene	1.029	0.962	6.5	68	0.00
105 TP	1,2,4,5-Tetramethylbenzene	1.940	1.775	8.5	64	0.00
106 TP	1,2-Dibromo-3-chloropropane	0.079	0.054	31.6#	56	0.00
107 TP	1,3,5-Trichlorobenzene	0.764	0.751	1.7	71	0.00
108 TP	Hexachlorobutadiene	0.273	0.238	12.8	60	0.00
109 TP	1,2,4-Trichlorobenzene	0.710	0.633	10.8	66	0.00
110 TP	Naphthalene	1.586	1.324	16.5	63	0.00
111 TP	1,2,3-Trichlorobenzene	0.646	0.538	16.7	62	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 9 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2020\200519A\
Data File : VE200519A02.D
Acq On : 19 May 2020 9:05 am
Operator : ELAINE:PD
Sample : WG1372327-2
Misc : WG1372327,ICAL16716
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 19 10:53:45 2020
Quant Method : I:\VOLATILES\Elaine\2020\200519A\Elaine_200421N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 22 18:53:41 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2020\200519A\VE200519A02.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.490	96	211540	10.000	ug/L	0.00
Standard Area 1 = 211540			Recovery = 100.00%			
59) Chlorobenzene-d5	8.497	117	159928	10.000	ug/L	0.00
Standard Area 1 = 159928			Recovery = 100.00%			
79) 1,4-Dichlorobenzene-d4	9.986	152	80793	10.000	ug/L	0.00
Standard Area 1 = 80793			Recovery = 100.00%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.502	113	48434	9.637	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.37%			
43) 1,2-Dichloroethane-d4	5.145	65	54211	9.101	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 91.01%			
60) Toluene-d8	7.195	98	208781	9.664	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.64%			
83) 4-Bromofluorobenzene	9.318	95	72803	9.400	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.00%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.938	85	35455	10.224	ug/L	99
3) Chloromethane	1.060	50	43910	8.326	ug/L	98
4) Vinyl chloride	1.113	62	48365	9.967	ug/L	98
5) Bromomethane	1.319	94	18955	7.254	ug/L	99
6) Chloroethane	1.400	64	30970	11.075	ug/L	95
7) Trichlorofluoromethane	1.497	101	49302M1	9.331	ug/L	
8) Ethyl ether	1.734	74	19834	8.624	ug/L	83
10) 1,1-Dichloroethene	1.864	96	29829	8.547	ug/L #	76
11) Carbon disulfide	1.867	76	74852	9.436	ug/L	99
12) Freon-113	1.906	101	35312M1	9.910	ug/L	
13) Iodomethane	1.967	142	12004M1	2.703	ug/L	
14) Acrolein	2.145	56	5307	9.396	ug/L	86
15) Methylene chloride	2.354	84	35344	8.870	ug/L	87
17) Acetone	2.412	43	7779M1	8.070	ug/L	
18) trans-1,2-Dichloroethene	2.496	96	35087	10.038	ug/L	80
19) Methyl acetate	2.543	43	24797	8.572	ug/L	98
20) Methyl tert-butyl ether	2.621	73	90941M1	8.419	ug/L	
21) tert-Butyl alcohol	2.774	59	12856M1	37.134	ug/L	
22) Diisopropyl ether	3.050	45	155044	9.266	ug/L	98
23) 1,1-Dichloroethane	3.136	63	73256M1	9.540	ug/L	
24) Halothane	3.286	117	28472	8.673	ug/L	96

Data Path : I:\VOLATILES\Elaine\2020\200519A\
Data File : VE200519A02.D
Acq On : 19 May 2020 9:05 am
Operator : ELAINE:PD
Sample : WG1372327-2
Misc : WG1372327,ICAL16716
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 19 10:53:45 2020
Quant Method : I:\VOLATILES\Elaine\2020\200519A\Elaine_200421N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 22 18:53:41 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2020\200519A\VE200519A02.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	3.211	53	10904	8.384	ug/L		90
26) Ethyl tert-butyl ether	3.492	59	126981	8.664	ug/L		90
27) Vinyl acetate	3.511	43	88381	7.805	ug/L		97
28) cis-1,2-Dichloroethene	3.826	96	38635	8.781	ug/L	#	77
29) 2,2-Dichloropropane	3.962	77	49578M1	8.332	ug/L		
30) Bromochloromethane	4.101	128	18649M1	9.715	ug/L		
31) Cyclohexane	4.057	56	77111	9.467	ug/L		83
32) Chloroform	4.263	83	59672	8.786	ug/L		96
33) Ethyl acetate	4.507	43	31544M1	8.599	ug/L		
34) Carbon tetrachloride	4.374	117	44124	8.484	ug/L		97
35) Tetrahydrofuran	4.449	42	8654	8.322	ug/L	#	77
37) 1,1,1-Trichloroethane	4.477	97	49817	8.206	ug/L		97
39) 2-Butanone	4.699	43	13238M1	8.302	ug/L		
40) 1,1-Dichloropropene	4.649	75	46664	8.781	ug/L		95
41) Benzene	4.964	78	151488	9.052	ug/L		92
42) tert-Amyl methyl ether	5.186	73	99360	8.493	ug/L		94
44) 1,2-Dichloroethane	5.228	62	46025	8.732	ug/L		97
47) Methyl cyclohexane	5.634	83	65650	9.395	ug/L		80
48) Trichloroethene	5.682	95	35558	8.673	ug/L		86
50) Dibromomethane	6.135	93	18505M1	8.869	ug/L		
51) 1,2-Dichloropropane	6.249	63	42394	9.472	ug/L	#	92
53) 2-Chloroethyl vinyl ether	7.009	63	23004	9.176	ug/L		96
54) Bromodichloromethane	6.358	83	43514	8.560	ug/L		98
57) 1,4-Dioxane	6.583	88	10792	374.340	ug/L	#	83
58) cis-1,3-Dichloropropene	7.017	75	57011	8.632	ug/L		93
61) Toluene	7.242	92	97680	9.237	ug/L		93
62) 4-Methyl-2-pentanone	7.657	58	11109	7.989	ug/L	#	96
63) Tetrachloroethene	7.596	166	38551	8.670	ug/L		85
65) trans-1,3-Dichloropropene	7.674	75	45737	7.592	ug/L		99
67) Ethyl methacrylate	7.860	69	36337	7.742	ug/L		98
68) 1,1,2-Trichloroethane	7.804	83	23736	8.552	ug/L		93
69) Chlorodibromomethane	7.935	129	32811	8.622	ug/L		94
70) 1,3-Dichloropropane	8.016	76	53072	9.113	ug/L		99
71) 1,2-Dibromoethane	8.097	107	27176	8.442	ug/L		98
72) 2-Hexanone	8.339	43	18809	7.249	ug/L		96
73) Chlorobenzene	8.508	112	108681	9.619	ug/L	#	88
74) Ethylbenzene	8.547	91	178586	9.292	ug/L		96
75) 1,1,1,2-Tetrachloroethane	8.567	131	35408	8.657	ug/L		94
76) p/m Xylene	8.656	106	142664	18.630	ug/L		88
77) o Xylene	8.940	106	138450	18.891	ug/L		84

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2020\200519A\
Data File : VE200519A02.D
Acq On : 19 May 2020 9:05 am
Operator : ELAINE:PD
Sample : WG1372327-2
Misc : WG1372327,ICAL16716
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 19 10:53:45 2020
Quant Method : I:\VOLATILES\Elaine\2020\200519A\Elaine_200421N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 22 18:53:41 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2020\200519A\VE200519A02.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
78) Styrene	8.976	104	225706	18.921	ug/L	#	84
80) Bromoform	8.981	173	17759	7.759	ug/L		97
82) Isopropylbenzene	9.148	105	176456	9.299	ug/L		94
84) Bromobenzene	9.371	156	44299	9.545	ug/L		99
85) n-Propylbenzene	9.410	91	203605	9.553	ug/L		93
86) 1,4-Dichlorobutane	9.418	55	55940	8.561	ug/L	#	88
87) 1,1,2,2-Tetrachloroethane	9.463	83	32123	8.715	ug/L		98
88) 4-Ethyltoluene	9.479	105	173426	9.683	ug/L		93
89) 2-Chlorotoluene	9.490	91	137854	9.264	ug/L		91
90) 1,3,5-Trimethylbenzene	9.532	105	142528	8.971	ug/L	#	85
91) 1,2,3-Trichloropropane	9.532	75	27316	8.731	ug/L		97
92) trans-1,4-Dichloro-2-b...	9.566	53	9276M1	7.394	ug/L		
93) 4-Chlorotoluene	9.593	91	123756	9.194	ug/L		90
94) tert-Butylbenzene	9.719	119	127173	8.136	ug/L		95
97) 1,2,4-Trimethylbenzene	9.763	105	143459	9.188	ug/L		90
98) sec-Butylbenzene	9.824	105	187160	10.134	ug/L		97
99) p-Isopropyltoluene	9.911	119	160894	9.388	ug/L		92
100) 1,3-Dichlorobenzene	9.941	146	84461	9.542	ug/L		97
101) 1,4-Dichlorobenzene	9.994	146	83564	9.428	ug/L		97
102) p-Diethylbenzene	10.122	119	97722	9.901	ug/L		92
103) n-Butylbenzene	10.153	91	139777	9.678	ug/L		95
104) 1,2-Dichlorobenzene	10.236	146	77713	9.352	ug/L		98
105) 1,2,4,5-Tetramethylben...	10.575	119	143438	9.153	ug/L		96
106) 1,2-Dibromo-3-chloropr...	10.692	155	4395	6.900	ug/L		86
107) 1,3,5-Trichlorobenzene	10.706	180	60663	9.823	ug/L	#	92
108) Hexachlorobutadiene	11.048	225	19205	8.706	ug/L		97
109) 1,2,4-Trichlorobenzene	11.065	180	51130	8.917	ug/L		99
110) Naphthalene	11.246	128	106965	8.347	ug/L		100
111) 1,2,3-Trichlorobenzene	11.346	180	43456	8.331	ug/L		97

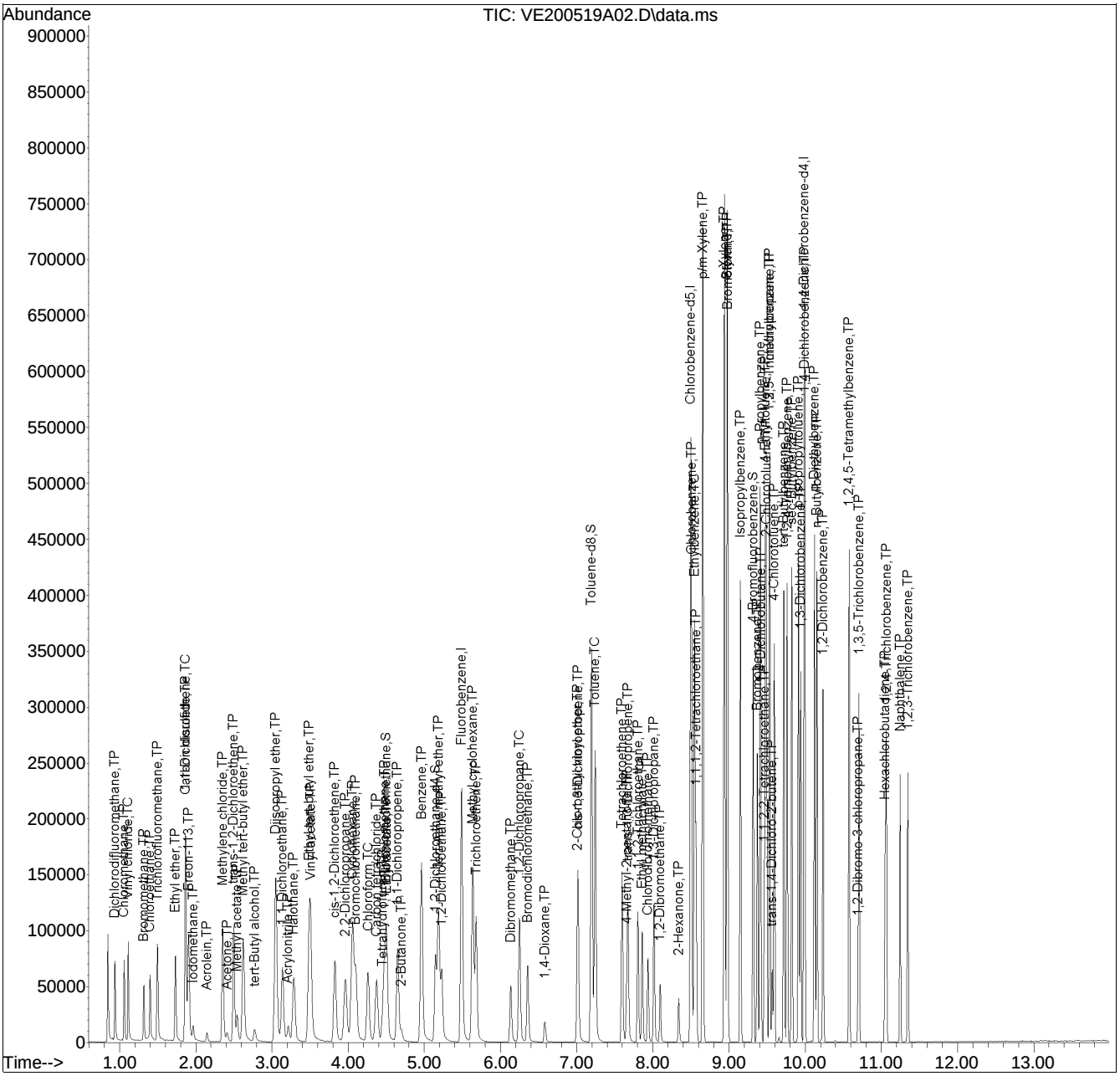
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2020\200519A\
Data File : VE200519A02.D
Acq On : 19 May 2020 9:05 am
Operator : ELAINE:PD
Sample : WG1372327-2
Misc : WG1372327,ICAL16716
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 19 10:53:45 2020
Quant Method : I:\VOLATILES\Elaine\2020\200519A\Elaine_200421N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 22 18:53:41 2020
Response via : Initial Calibration

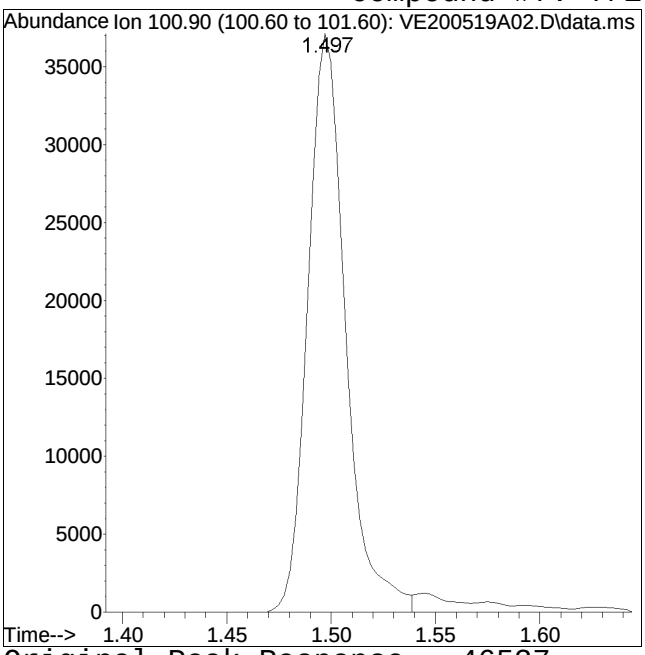
Sub List : 8260-Curve - Megamix plus Diox00519A\VE200519A02.D•

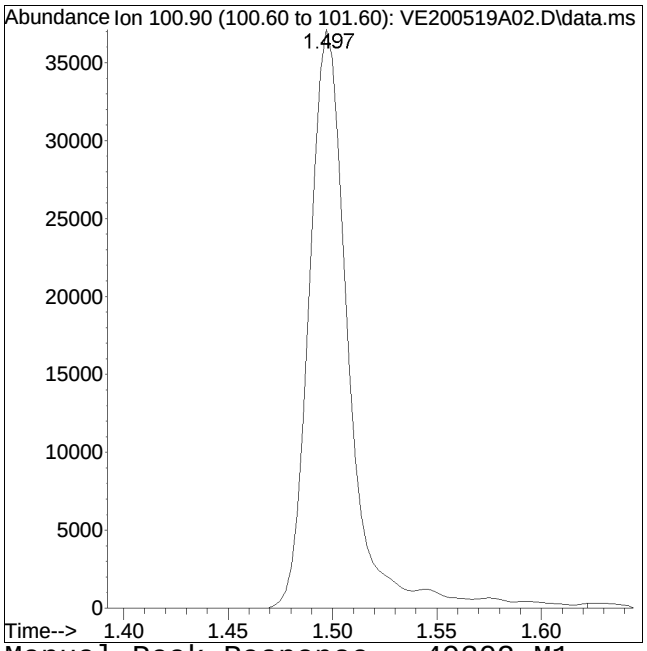


Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200519A02.D Operator : ELAINE:PD
Date Inj'd : 5/19/2020 9:05 am Instrument : Elaine
Sample : WG1372327-2 Quant Date : 5/19/2020 10:52 am

Compound #7: Trichlorofluoromethane



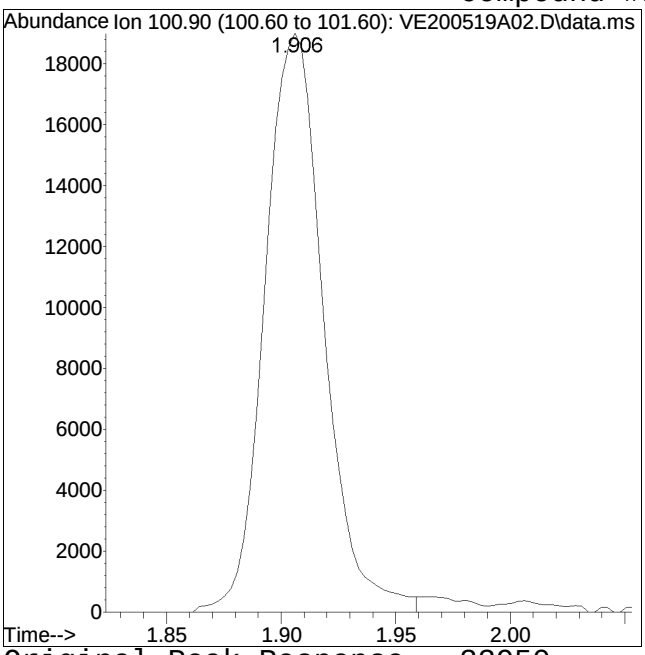


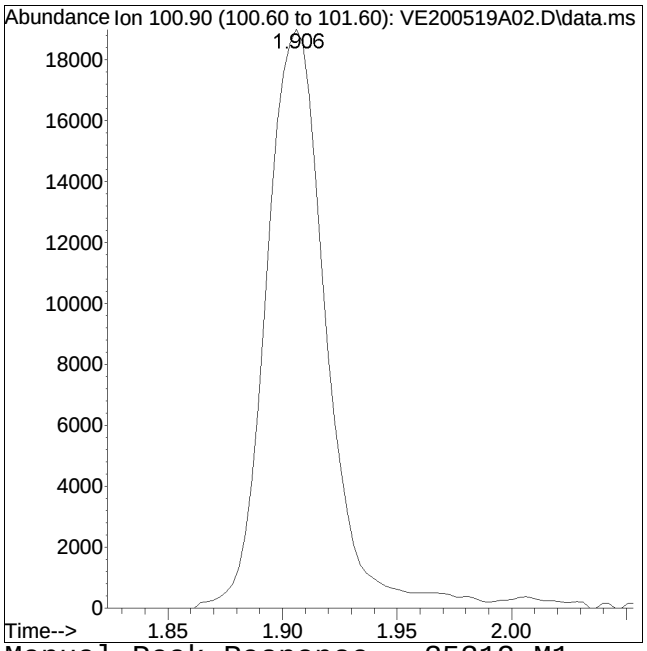
Original Peak Response = 46537 Manual Peak Response = 49302 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200519A02.D Operator : ELAINE:PD
Date Inj'd : 5/19/2020 9:05 am Instrument : Elaine
Sample : WG1372327-2 Quant Date : 5/19/2020 10:52 am

Compound #12: Freon-113



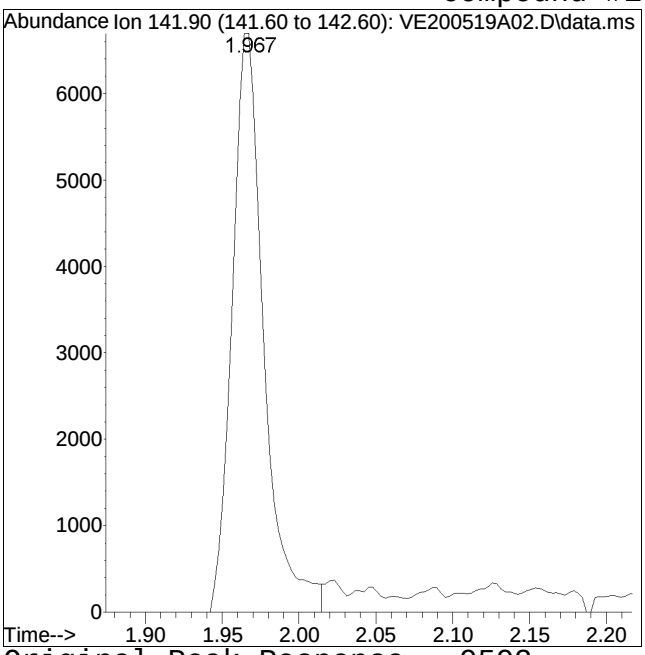


Original Peak Response = 33950 Manual Peak Response = 35312 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

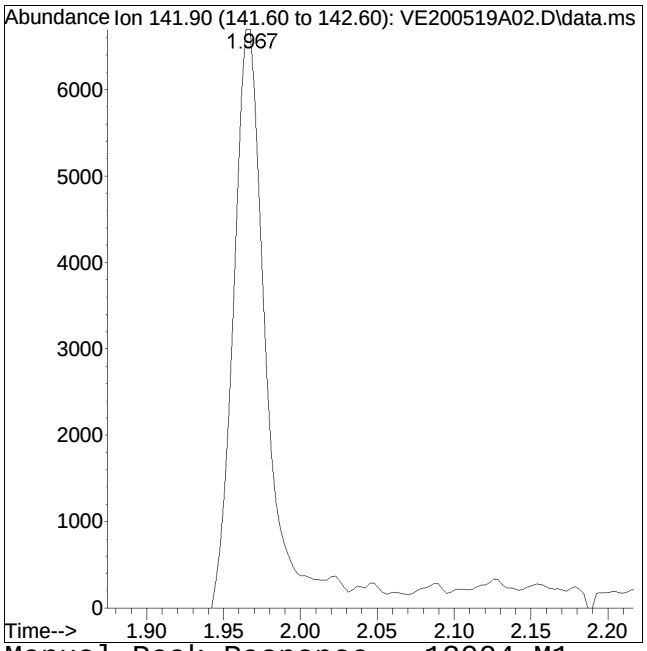
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200519A02.D Operator : ELAINE:PD
Date Inj'd : 5/19/2020 9:05 am Instrument : Elaine
Sample : WG1372327-2 Quant Date : 5/19/2020 10:52 am

Compound #13: Iodomethane



Original Peak Response = 9592



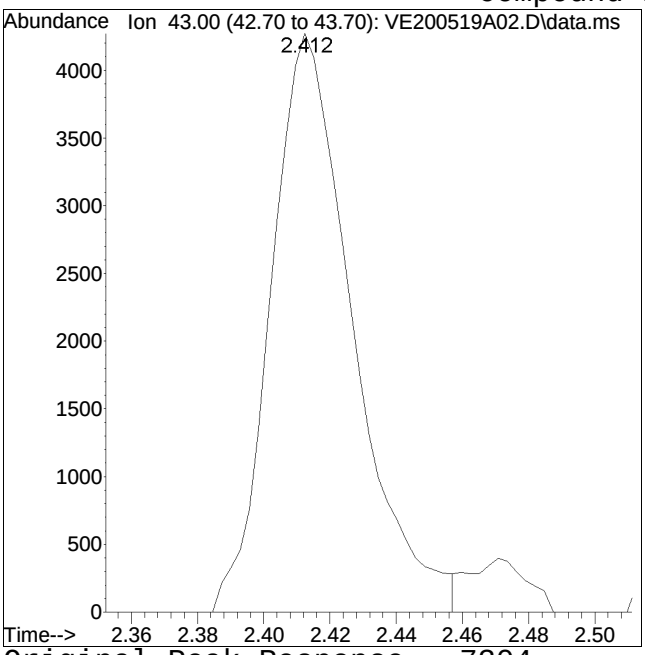
Manual Peak Response = 12004 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

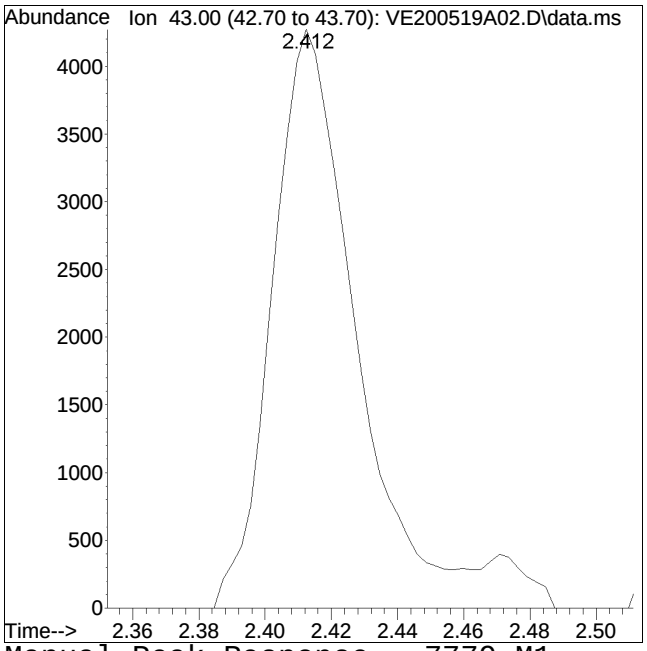
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200519A02.D Operator : ELAINE:PD
Date Inj'd : 5/19/2020 9:05 am Instrument : Elaine
Sample : WG1372327-2 Quant Date : 5/19/2020 10:52 am

Compound #17: Acetone



Original Peak Response = 7304



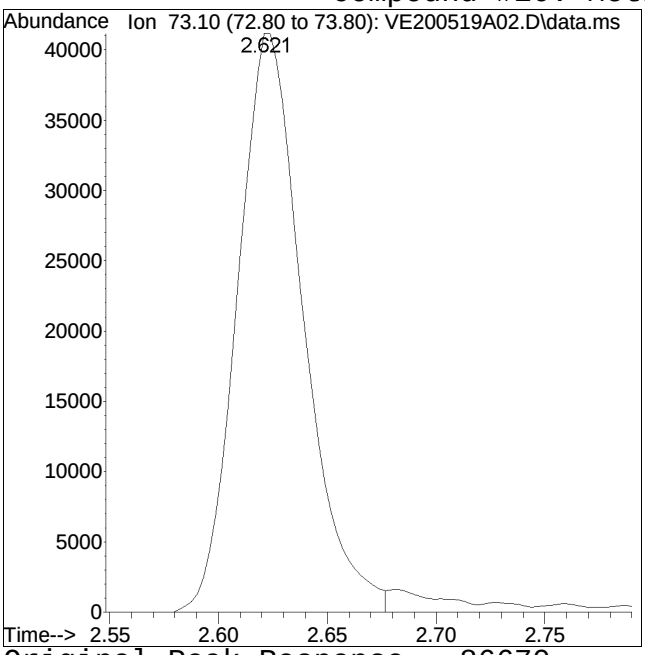
Manual Peak Response = 7779 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

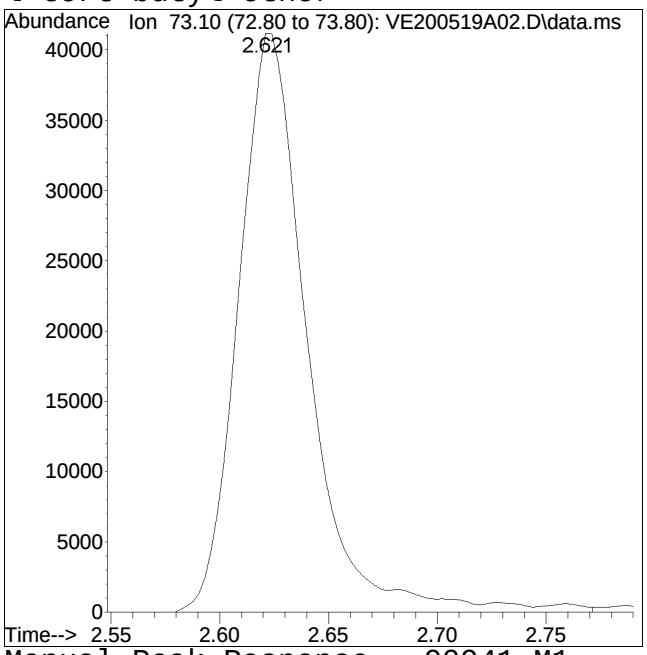
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200519A02.D Operator : ELAINE:PD
Date Inj'd : 5/19/2020 9:05 am Instrument : Elaine
Sample : WG1372327-2 Quant Date : 5/19/2020 10:52 am

Compound #20: Methyl tert-butyl ether



Original Peak Response = 86670



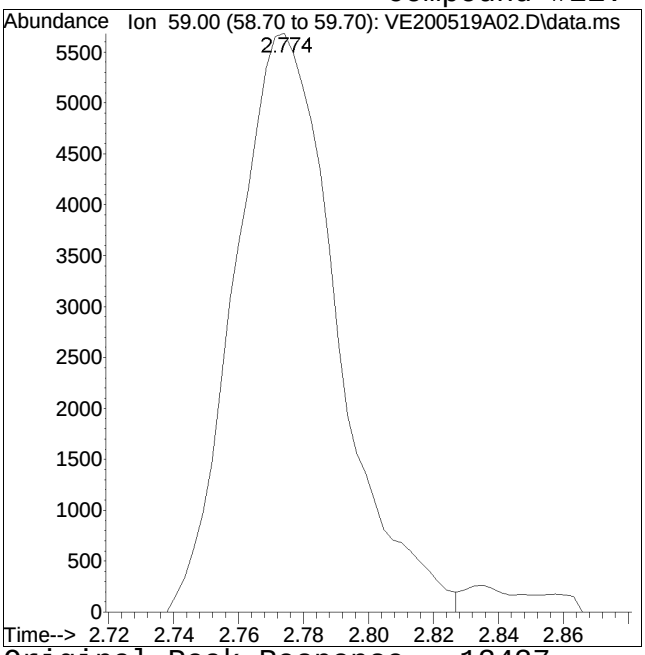
Manual Peak Response = 90941 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

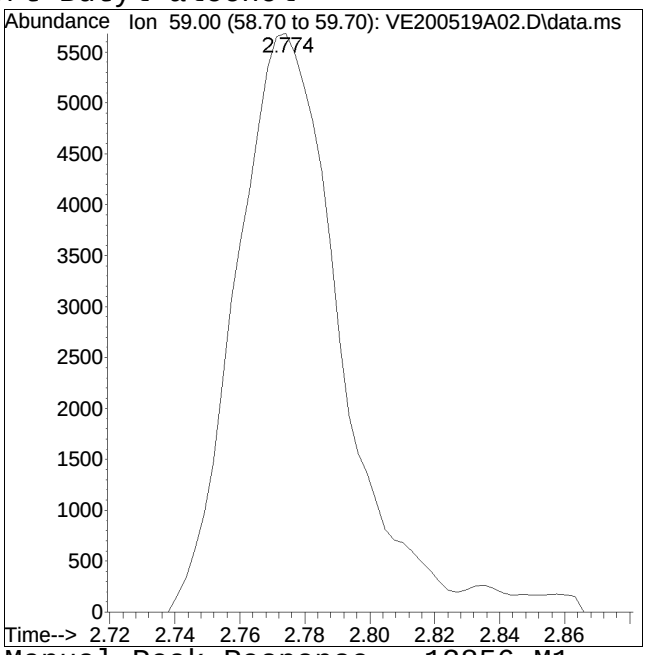
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200519A02.D Operator : ELAINE:PD
Date Inj'd : 5/19/2020 9:05 am Instrument : Elaine
Sample : WG1372327-2 Quant Date : 5/19/2020 10:52 am

Compound #21: tert-Butyl alcohol



Original Peak Response = 12437



Manual Peak Response = 12856 M1

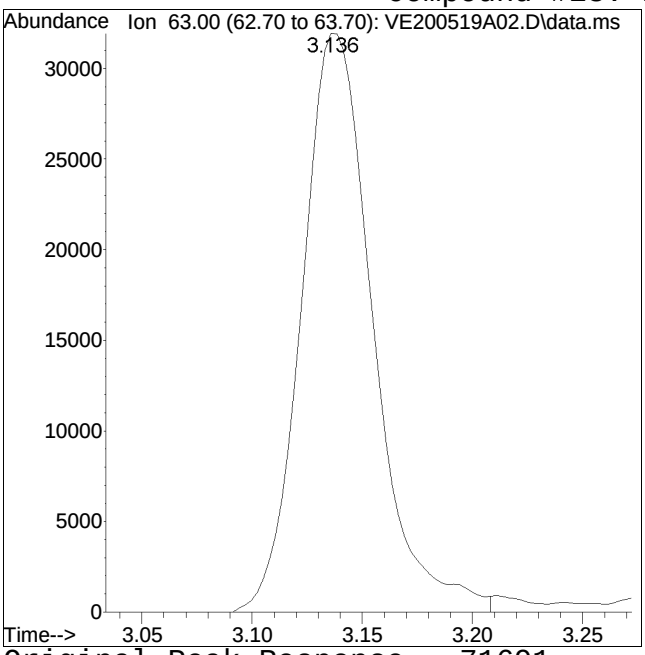
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

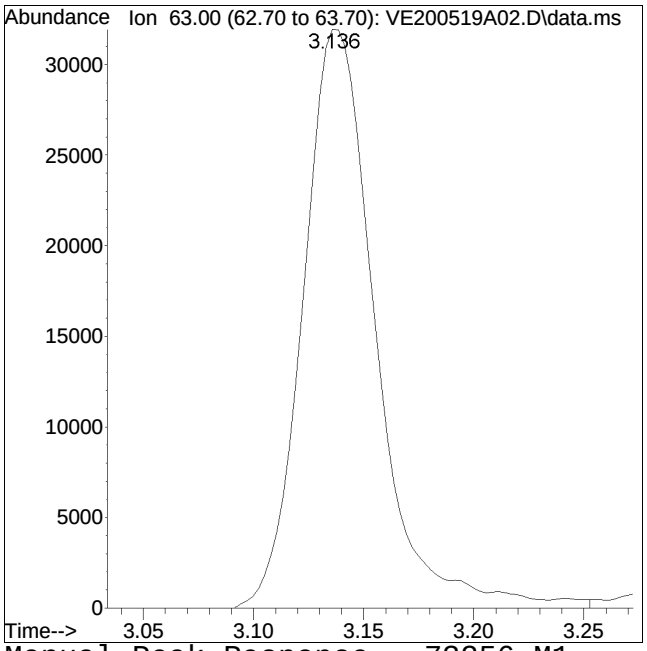
Data Path : I:\VOLATILES\Elaine\2020\2Q
Data File : VE200519A02.D
Date Inj'd : 5/19/2020 9:05 am
Sample : WG1372327-2

Method : Elaine_200421N_8260.m
Operator : ELAINE:PD
Instrument : Elaine
Quant Date : 5/19/2020 10:52 am

Compound #23: 1,1-Dichloroethane



Original Peak Response = 71691



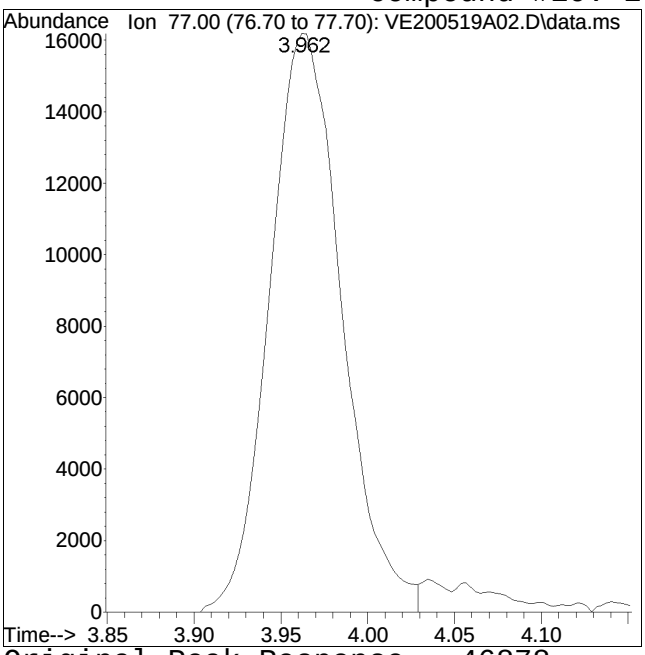
Manual Peak Response = 73256 M1

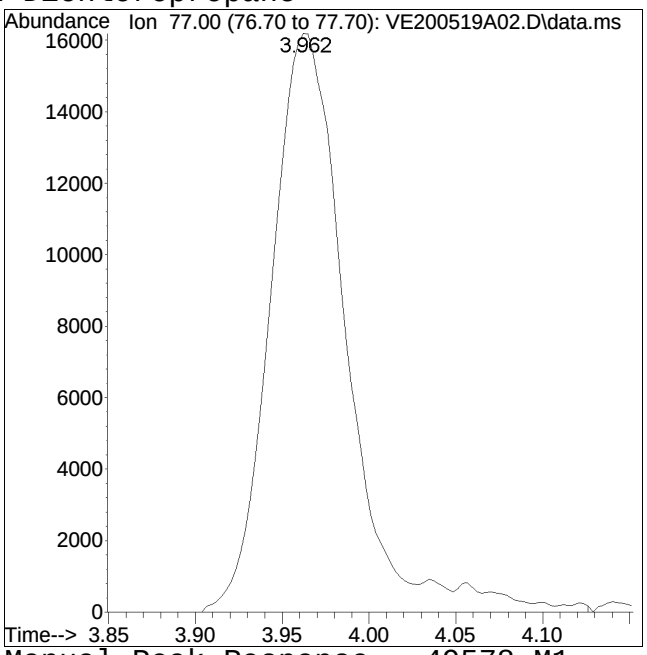
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200519A02.D Operator : ELAINE:PD
Date Inj'd : 5/19/2020 9:05 am Instrument : Elaine
Sample : WG1372327-2 Quant Date : 5/19/2020 10:52 am

Compound #29: 2,2-Dichloropropane



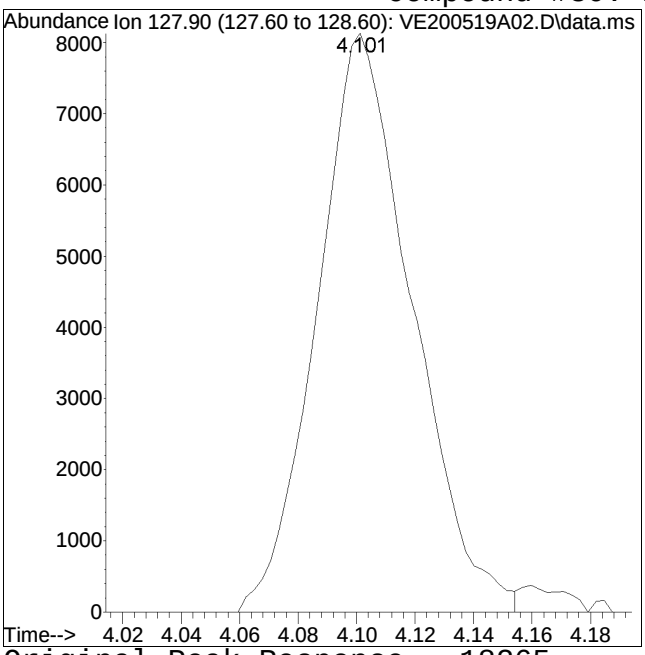


Original Peak Response = 46878 Manual Peak Response = 49578 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

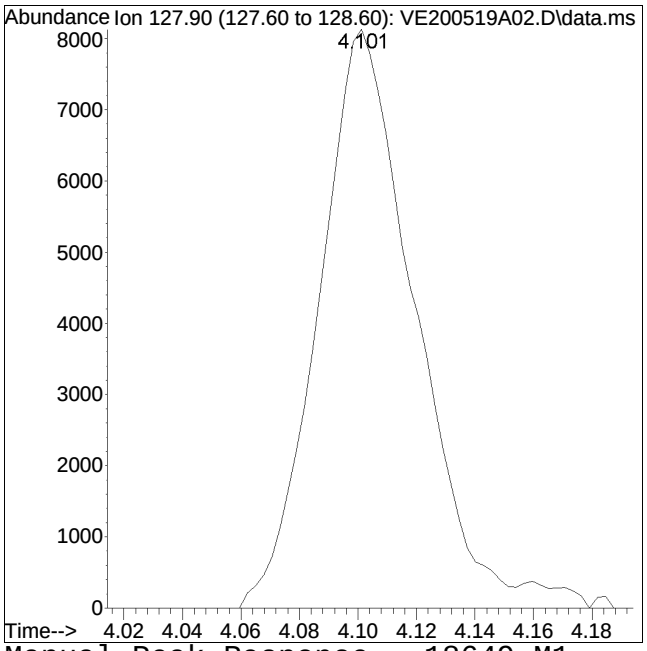
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200519A02.D Operator : ELAINE:PD
Date Inj'd : 5/19/2020 9:05 am Instrument : Elaine
Sample : WG1372327-2 Quant Date : 5/19/2020 10:52 am

Compound #30: Bromochloromethane



Original Peak Response = 18265



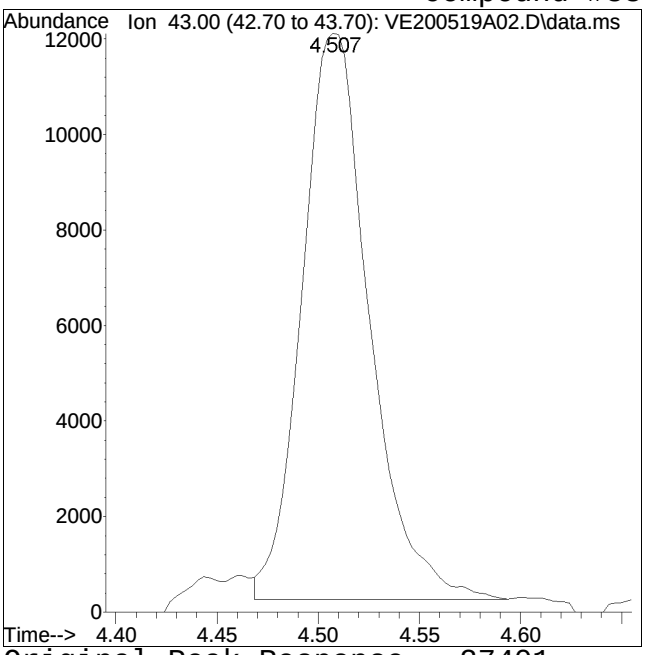
Manual Peak Response = 18649 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

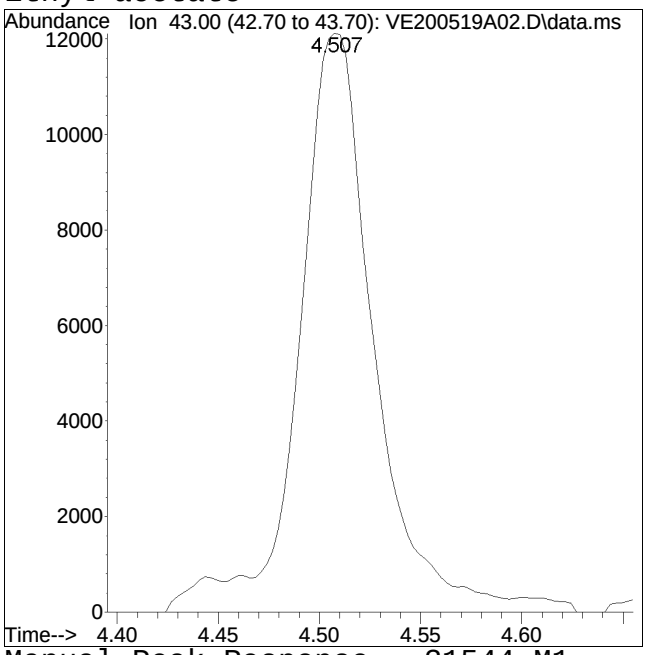
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200519A02.D Operator : ELAINE:PD
Date Inj'd : 5/19/2020 9:05 am Instrument : Elaine
Sample : WG1372327-2 Quant Date : 5/19/2020 10:52 am

Compound #33: Ethyl acetate



Original Peak Response = 27401



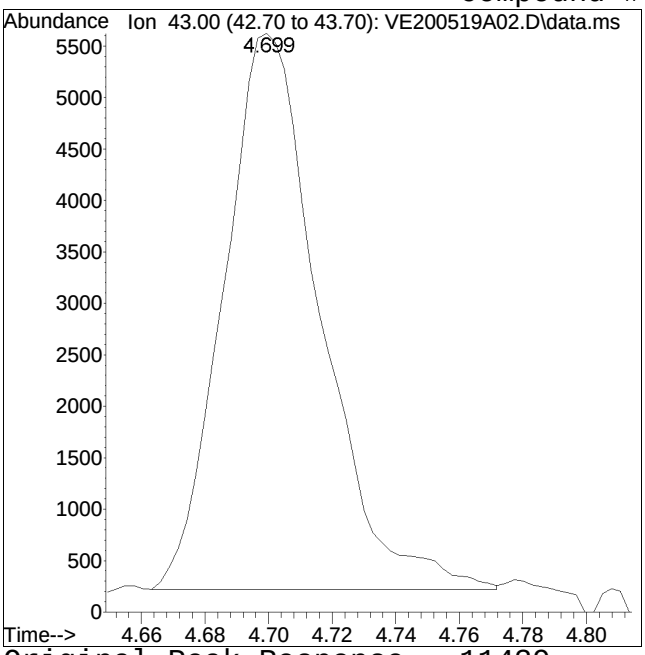
Manual Peak Response = 31544 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

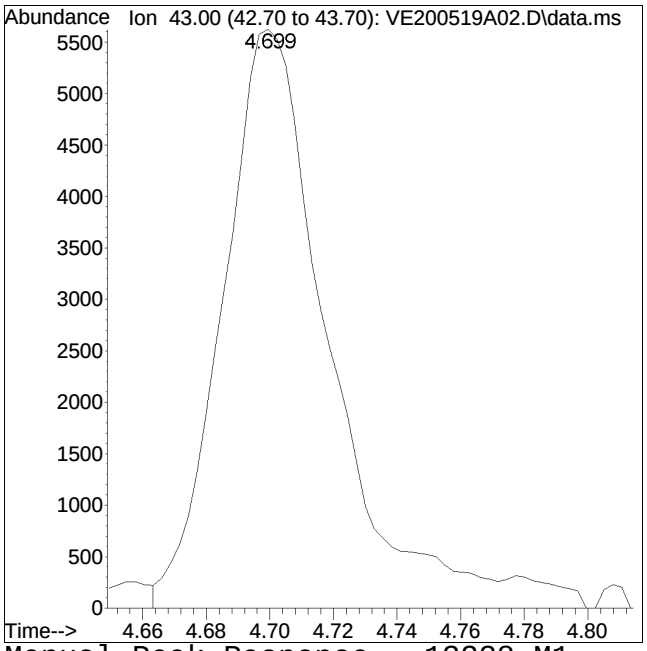
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200519A02.D Operator : ELAINE:PD
Date Inj'd : 5/19/2020 9:05 am Instrument : Elaine
Sample : WG1372327-2 Quant Date : 5/19/2020 10:52 am

Compound #39: 2-Butanone



Original Peak Response = 11439



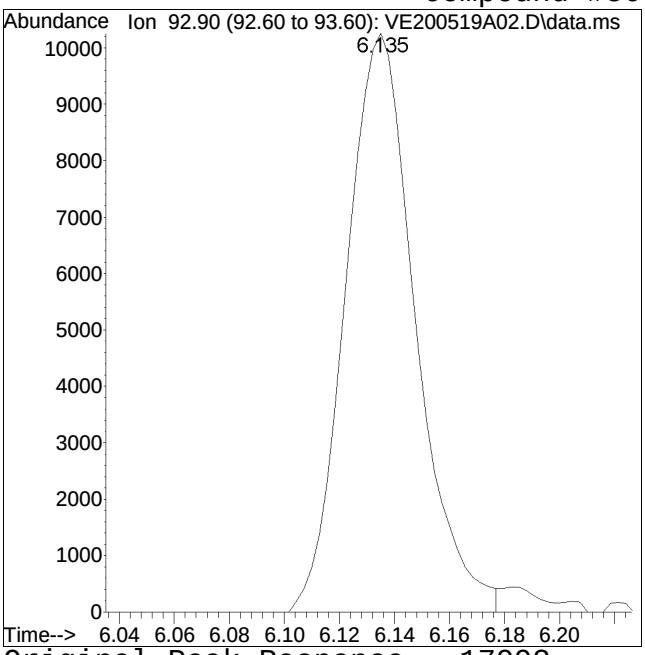
Manual Peak Response = 13238 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

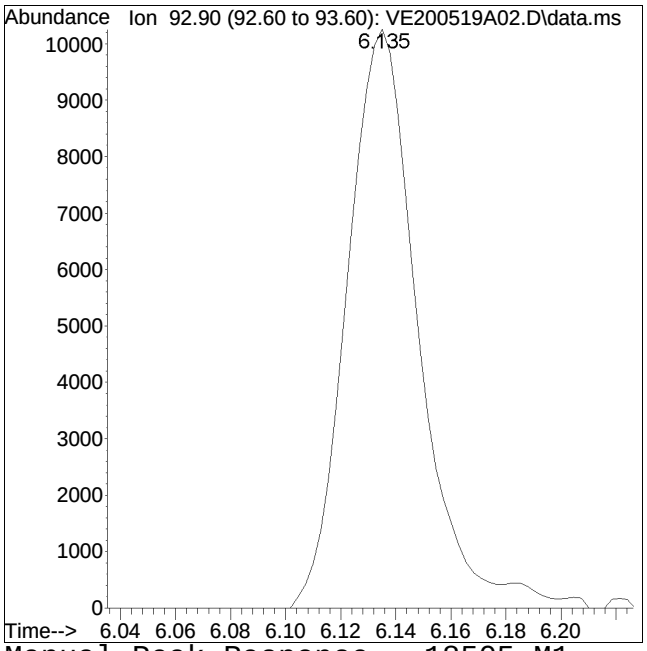
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200519A02.D Operator : ELAINE:PD
Date Inj'd : 5/19/2020 9:05 am Instrument : Elaine
Sample : WG1372327-2 Quant Date : 5/19/2020 10:52 am

Compound #50: Dibromomethane



Original Peak Response = 17992



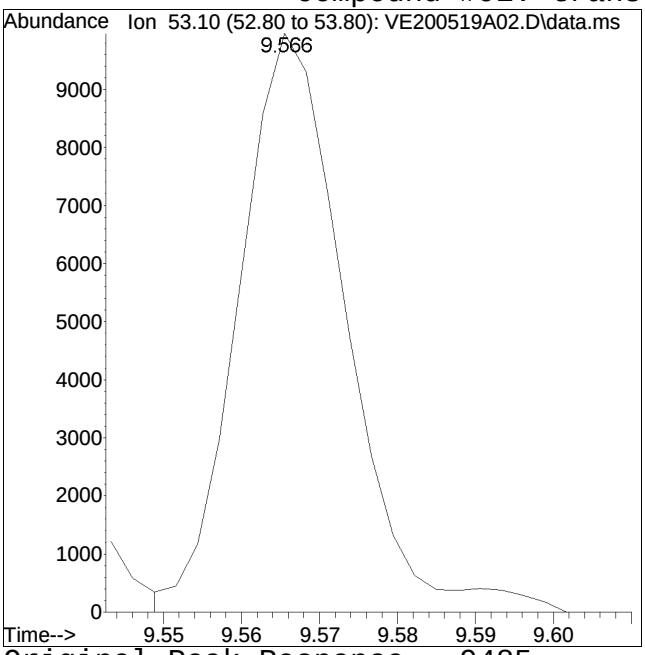
Manual Peak Response = 18505 M1

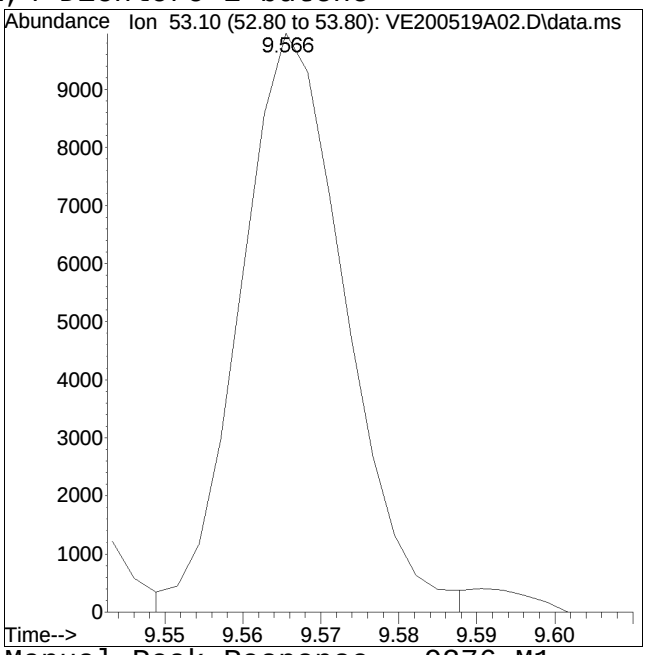
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200519A02.D Operator : ELAINE:PD
Date Inj'd : 5/19/2020 9:05 am Instrument : Elaine
Sample : WG1372327-2 Quant Date : 5/19/2020 10:52 am

Compound #92: trans-1,4-Dichloro-2-butene



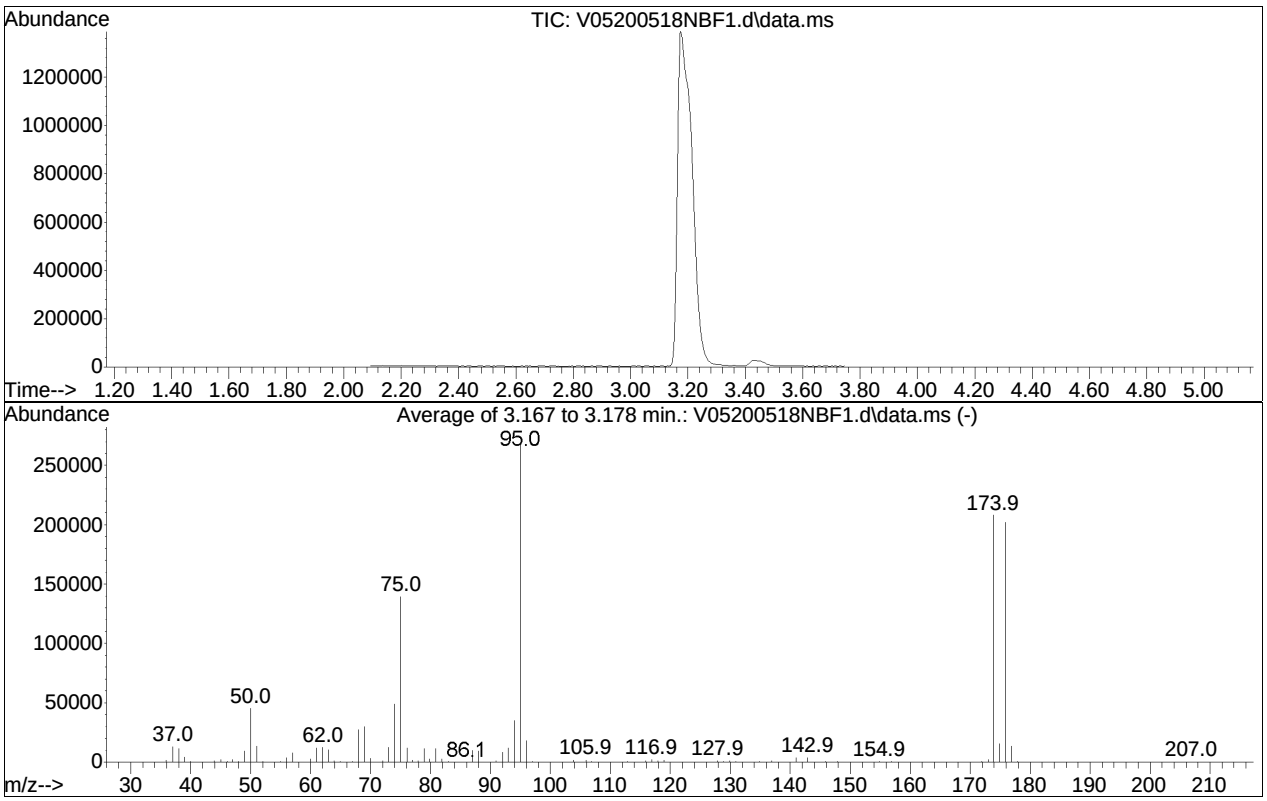


Original Peak Response = 9485 Manual Peak Response = 9276 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Data Path : I:\VOLATILES\VOA105\2020\200518N\
Data File : V05200518NBF1.d
Acq On : 18 May 2020 5:45 pm
Operator : VOA105:AJK
Sample : WG1372229-1
Misc : WG1372229
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\VOLATILES\VOA105\2020\200518N\V105_200313N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Sun Mar 15 01:23:14 2020



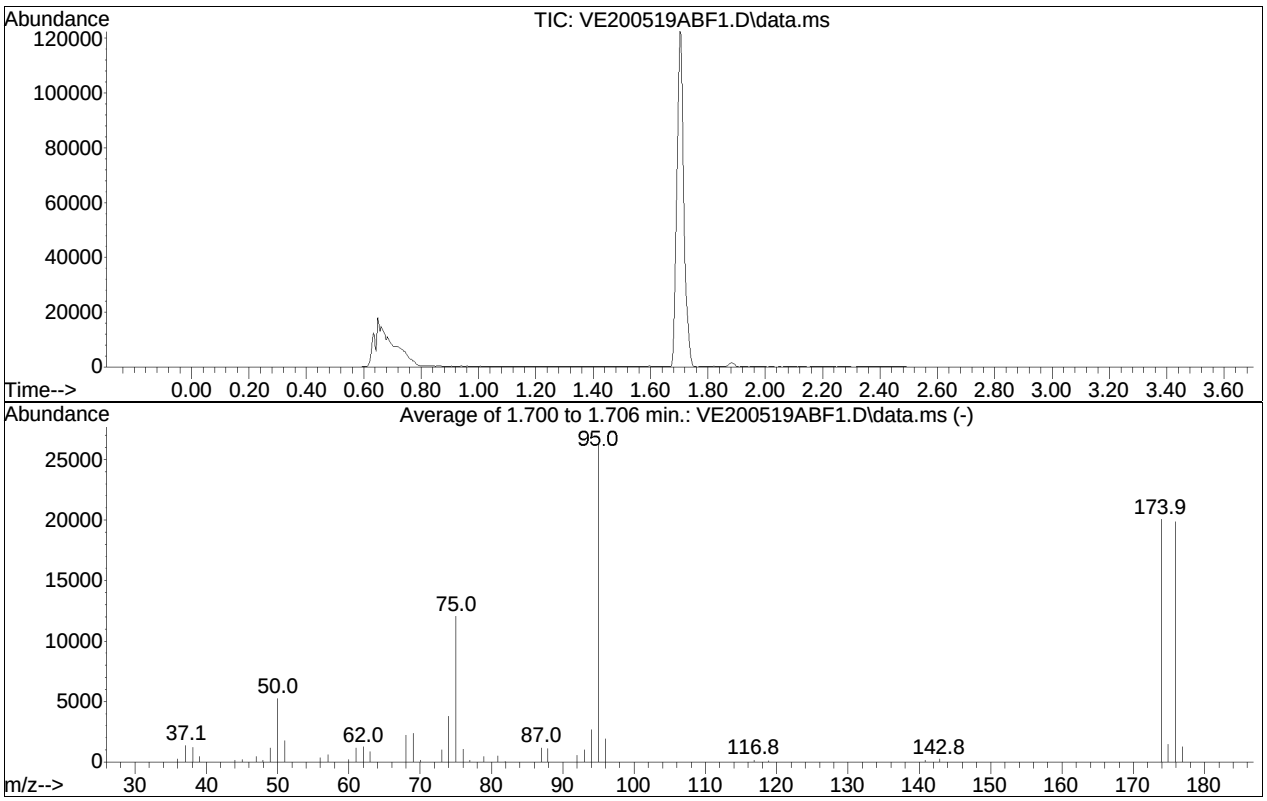
AutoFind: Scans 198, 199, 200; Background Corrected with Scan 190

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.8	45341	PASS
75	95	30	60	51.9	139589	PASS
95	95	100	100	100.0	269163	PASS
96	95	5	9	6.7	18056	PASS
173	174	0.00	2	1.0	1983	PASS
174	95	50	100	77.4	208384	PASS
175	174	5	9	7.4	15462	PASS
176	174	95	101	97.1	202261	PASS
177	176	5	9	6.7	13546	PASS

Data Path : I:\VOLATILES\Elaine\2020\200519A\
Data File : VE200519ABF1.D
Acq On : 19 May 2020 8:29 am
Operator : ELAINE:PD
Sample : WG1372327-1
Misc : WG1372327
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\VOLATILES\Elaine\2020\200519A\Elaine_200421N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Wed Apr 22 18:53:41 2020



AutoFind: Scans 399, 400, 401; Background Corrected with Scan 386

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.9	5245	PASS
75	95	30	60	45.7	12058	PASS
95	95	100	100	100.0	26397	PASS
96	95	5	9	7.2	1901	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	76.0	20067	PASS
175	174	5	9	7.5	1507	PASS
176	174	95	101	98.9	19845	PASS
177	176	5	9	6.4	1270	PASS

Volatiles Raw QC Data

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2020\200518N\
Data File : V05200518N05.d
Acq On : 18 May 2020 7:38 pm
Operator : VOA105:AJK
Sample : WG1372229-5,31,10,10
Misc : WG1372229,ICAL16595
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 18 20:51:53 2020
Quant Method : I:\VOLATILES\VOA105\2020\200518N\V105_200313N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Mar 15 01:23:14 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2020\200518N\V05200518N01.d
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	6.036	96	1034390	10.000 ug/L	0.00
Standard Area 1 = 1103307			Recovery	= 93.75%	
59) Chlorobenzene-d5	9.559	117	847216	10.000 ug/L	-0.01
Standard Area 1 = 869831			Recovery	= 97.40%	
79) 1,4-Dichlorobenzene-d4	12.253	152	475335	10.000 ug/L	-0.01
Standard Area 1 = 540562			Recovery	= 87.93%	
System Monitoring Compounds					
36) Dibromofluoromethane	5.234	113	303437	10.959 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	= 109.59%	
43) 1,2-Dichloroethane-d4	5.763	65	323889	10.914 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	= 109.14%	
60) Toluene-d8	7.719	98	1013880	9.459 ug/L	-0.01
Spiked Amount 10.000	Range 70 - 130		Recovery	= 94.59%	
83) 4-Bromofluorobenzene	11.048	95	412253	9.217 ug/L	-0.01
Spiked Amount 10.000	Range 70 - 130		Recovery	= 92.17%	
Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.	
3) Chloromethane	1.870	50	713	N.D.	
4) Vinyl chloride	0.000		0	N.D.	
5) Bromomethane	2.251	94	1180M1	0.081 ug/L	
6) Chloroethane	0.000		0	N.D. d	
7) Trichlorofluoromethane	0.000		0	N.D.	
10) 1,1-Dichloroethene	0.000		0	N.D.	
11) Carbon disulfide	3.014	76	2655	N.D.	
12) Freon-113	0.000		0	N.D.	
15) Methylene chloride	3.552	84	1832	0.084 ug/L	90
17) Acetone	3.611	43	879	Below Cal #	47
18) trans-1,2-Dichloroethene	0.000		0	N.D.	
19) Methyl acetate	3.738	43	329	N.D.	
20) Methyl tert-butyl ether	0.000		0	N.D.	
23) 1,1-Dichloroethane	0.000		0	N.D.	
28) cis-1,2-Dichloroethene	4.814	96	459	N.D.	
30) Bromochloromethane	0.000		0	N.D.	
31) Cyclohexane	0.000		0	N.D.	
32) Chloroform	5.058	83	2165	N.D.	
34) Carbon tetrachloride	0.000		0	N.D.	

Data Path : I:\VOLATILES\VOA105\2020\200518N\
Data File : V05200518N05.d
Acq On : 18 May 2020 7:38 pm
Operator : VOA105:AJK
Sample : WG1372229-5,31,10,10
Misc : WG1372229,ICAL16595
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 18 20:51:53 2020
Quant Method : I:\VOLATILES\VOA105\2020\200518N\V105_200313N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Mar 15 01:23:14 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2020\200518N\V05200518N01.d
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1,1,1-Trichloroethane	0.000		0	N.D.		
39) 2-Butanone	0.000		0	N.D.		
41) Benzene	5.635	78	201	N.D.		
44) 1,2-Dichloroethane	5.831	62	682	N.D.		
47) Methyl cyclohexane	6.183	83	96	N.D.		
48) Trichloroethene	6.213	95	1450	N.D.		
51) 1,2-Dichloropropane	0.000		0	N.D.		
54) Bromodichloromethane	0.000		0	N.D.		
57) 1,4-Dioxane	0.000		0	N.D.		
58) cis-1,3-Dichloropropene	0.000		0	N.D.		
61) Toluene	7.768	92	429	N.D.		
62) 4-Methyl-2-pentanone	0.000		0	N.D.		
63) Tetrachloroethene	0.000		0	N.D.		
65) trans-1,3-Dichloropropene	0.000		0	N.D.		
68) 1,1,2-Trichloroethane	0.000		0	N.D.		
69) Chlorodibromomethane	0.000		0	N.D.		
71) 1,2-Dibromoethane	0.000		0	N.D.		
72) 2-Hexanone	0.000		0	N.D.		
73) Chlorobenzene	9.578	112	687	N.D.		
74) Ethylbenzene	9.618	91	908	N.D.		
76) p/m Xylene	9.823	106	376	N.D.		
77) o Xylene	10.352	106	268	N.D.		
78) Styrene	10.441	104	570	N.D.		
80) Bromoform	0.000		0	N.D.		
82) Isopropylbenzene	10.725	105	634	N.D.		
87) 1,1,2,2-Tetrachloroethane	11.303	83	152	N.D.		
100) 1,3-Dichlorobenzene	12.184	146	1406	N.D.		
101) 1,4-Dichlorobenzene	12.272	146	2545	N.D.		
104) 1,2-Dichlorobenzene	12.694	146	1422	N.D.		
106) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
109) 1,2,4-Trichlorobenzene	14.104	180	3193	0.105	ug/L	93
111) 1,2,3-Trichlorobenzene	14.565	180	4658	0.200	ug/L	97

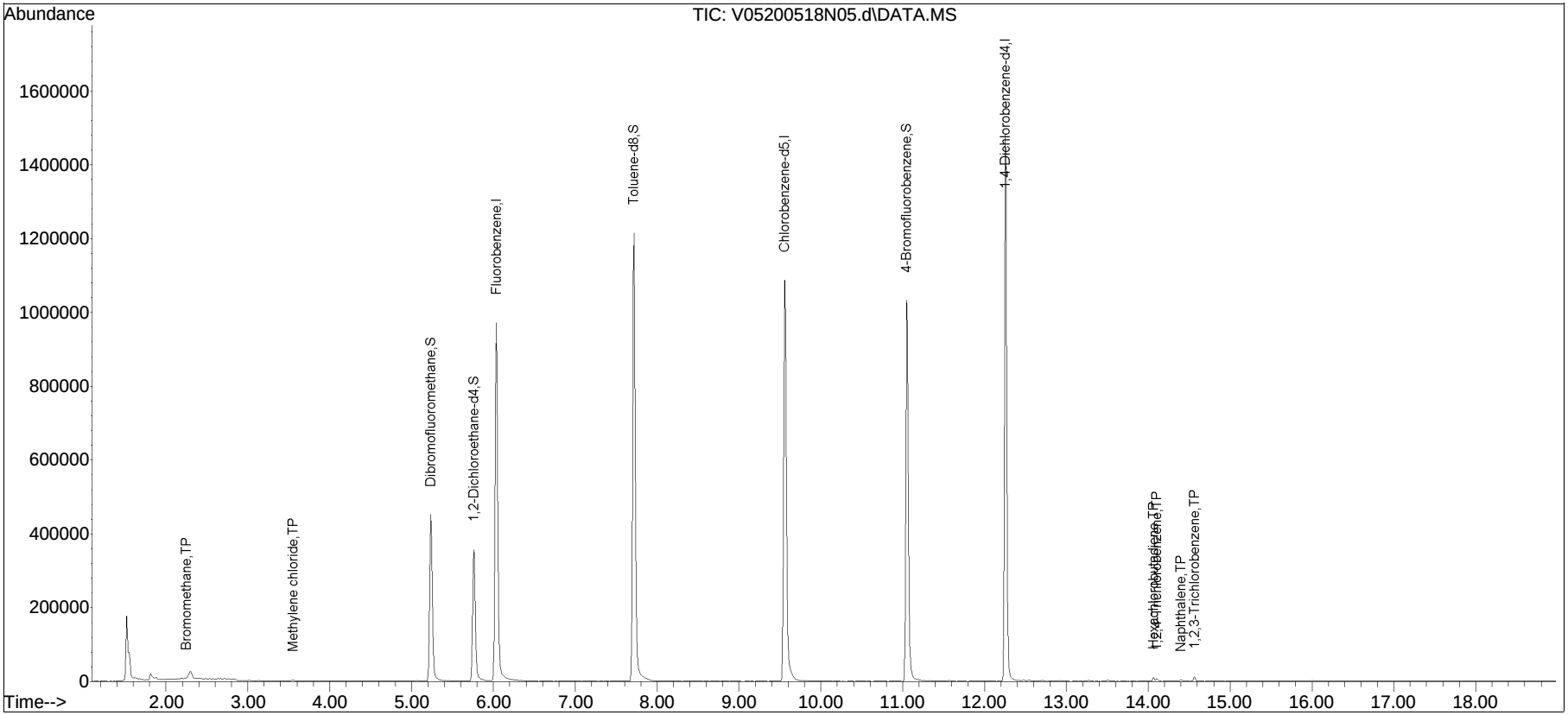
(#) = qualifier out of range (m) = manual integration (+) = signals summed

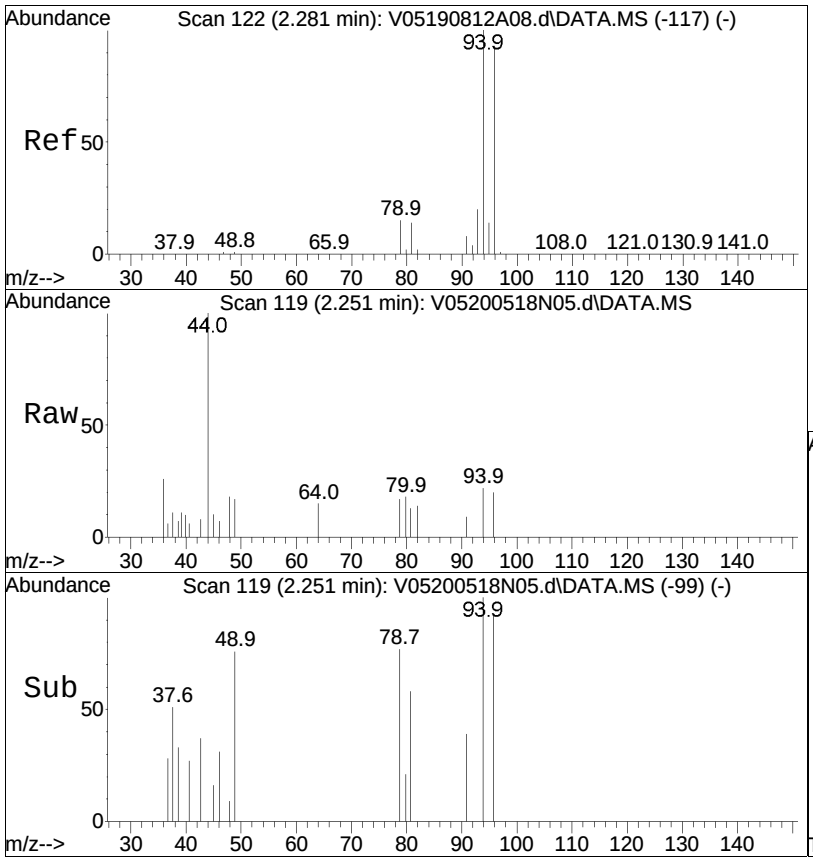
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2020\200518N\
Data File : V05200518N05.d
Acq On : 18 May 2020 7:38 pm
Operator : VOA105:AJK
Sample : WG1372229-5,31,10,10
Misc : WG1372229,ICAL16595
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 18 20:51:53 2020
Quant Method : I:\VOLATILES\VOA105\2020\200518N\V105_200313N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Mar 15 01:23:14 2020
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox00518N\V05200518N01.d•

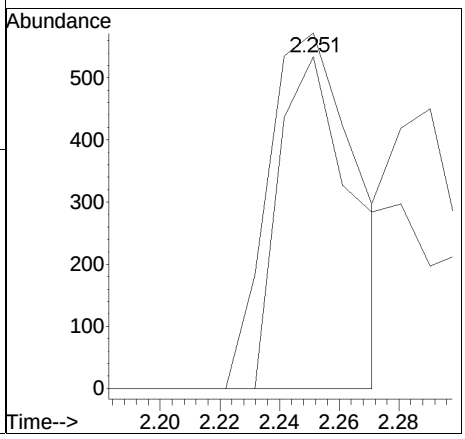


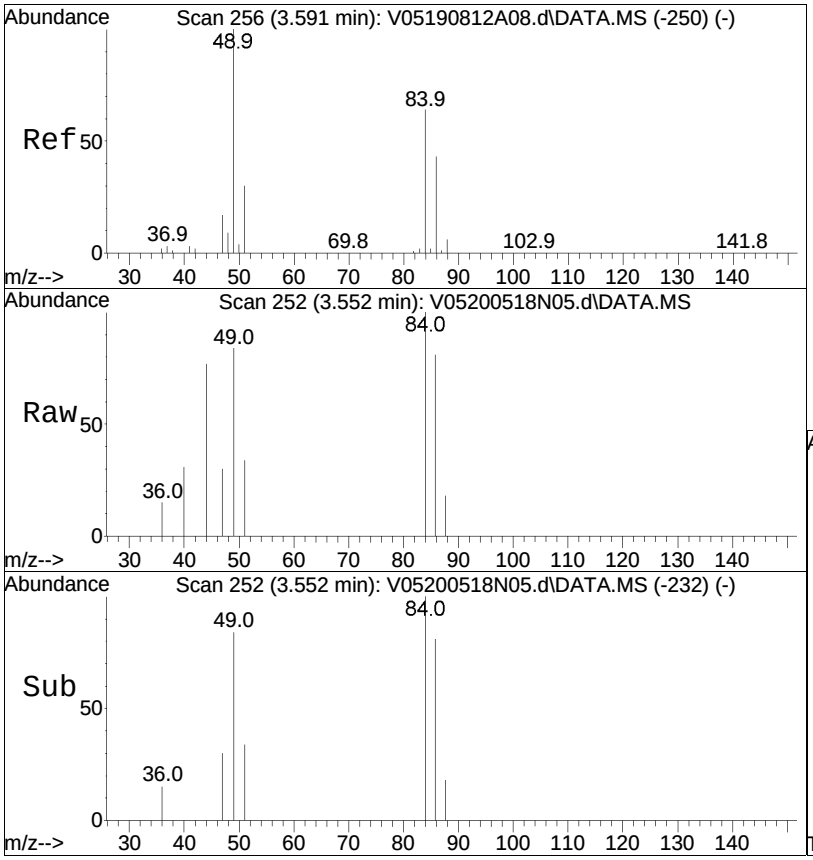


#5
Bromomethane
Concen: 0.08 ug/L M1
RT: 2.251 min Scan# 119
Delta R.T. 0.000 min
Lab File: V05200518N05.d
Acq: 18 May 2020 7:38 pm

Tgt Ion: 94 Resp: 1180

Ion	Ratio	Lower	Upper
94	100		
96	78.6	75.4	115.4

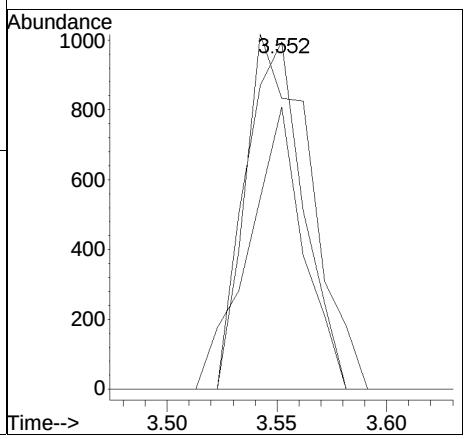


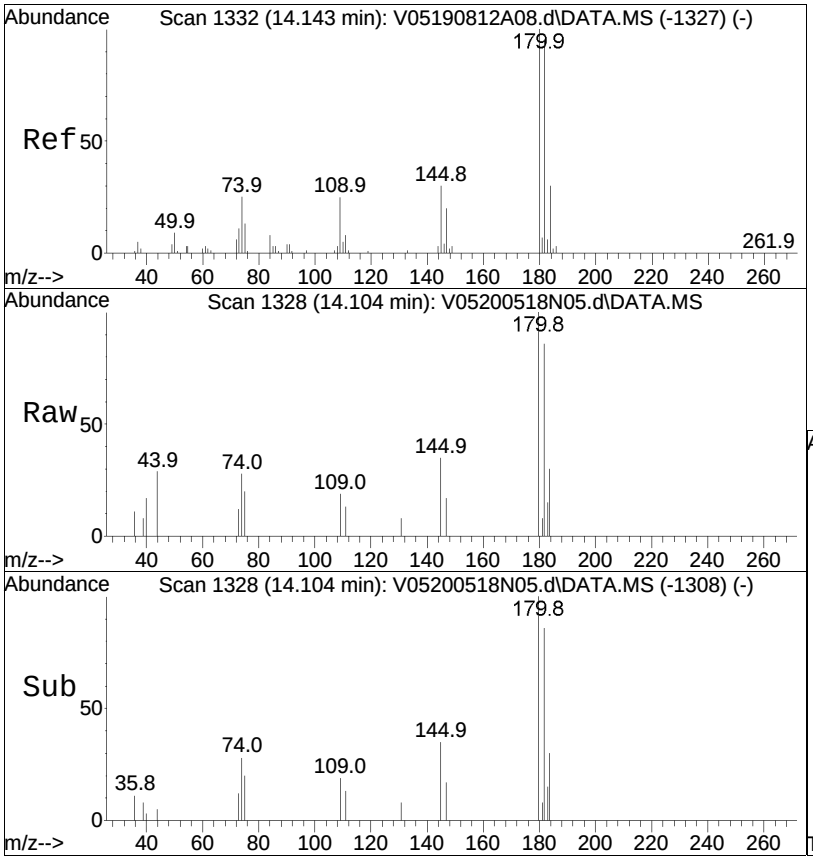


#15
Methylene chloride
Concen: 0.08 ug/L
RT: 3.552 min Scan# 252
Delta R.T. 0.000 min
Lab File: V05200518N05.d
Acq: 18 May 2020 7:38 pm

Tgt Ion: 84 Resp: 1832

Ion	Ratio	Lower	Upper
84	100		
86	77.1	42.1	87.5
49	114.1	69.3	143.9

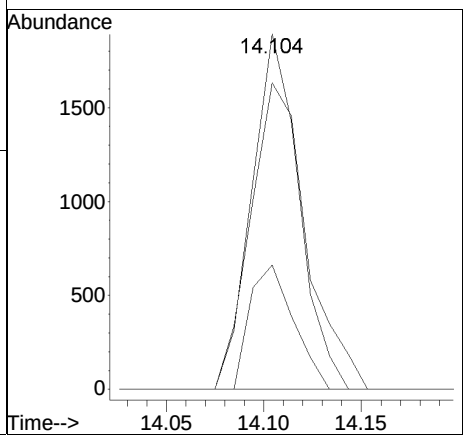


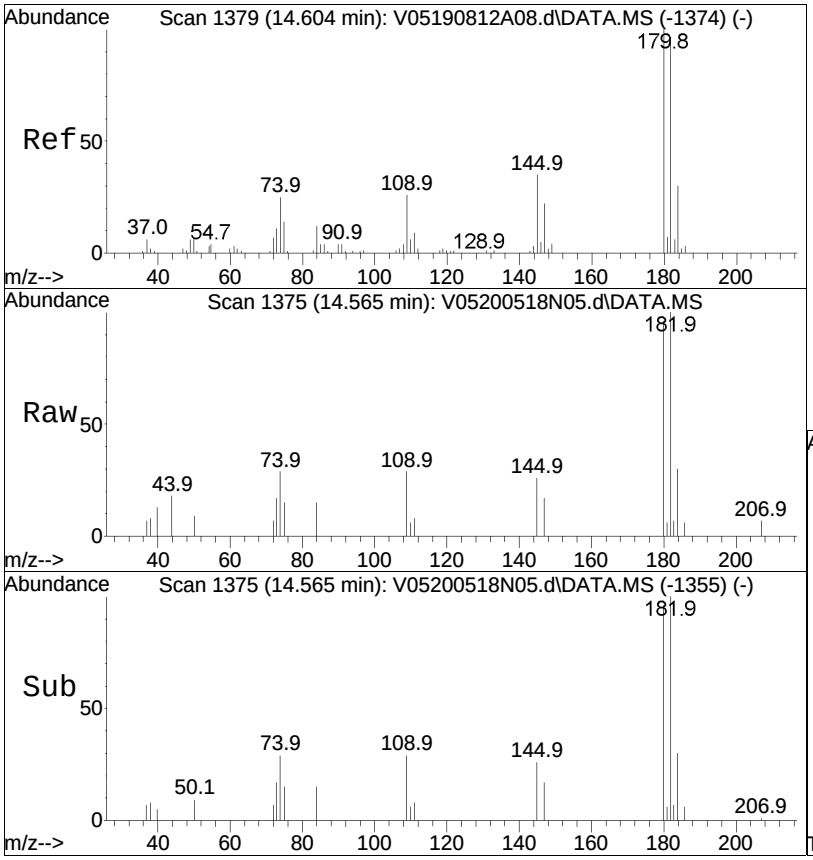


#109
1,2,4-Trichlorobenzene
Concen: 0.10 ug/L
RT: 14.104 min Scan# 1328
Delta R.T. 0.000 min
Lab File: V05200518N05.d
Acq: 18 May 2020 7:38 pm

Tgt Ion:180 Resp: 3193

Ion	Ratio	Lower	Upper
180	100		
182	102.2	75.2	112.8
145	32.5	27.4	41.2

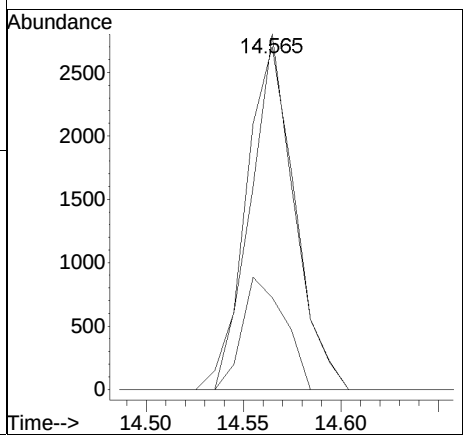




#111
1,2,3-Trichlorobenzene
Concen: 0.20 ug/L
RT: 14.565 min Scan# 1375
Delta R.T. 0.000 min
Lab File: V05200518N05.d
Acq: 18 May 2020 7:38 pm

Tgt Ion:180 Resp: 4658

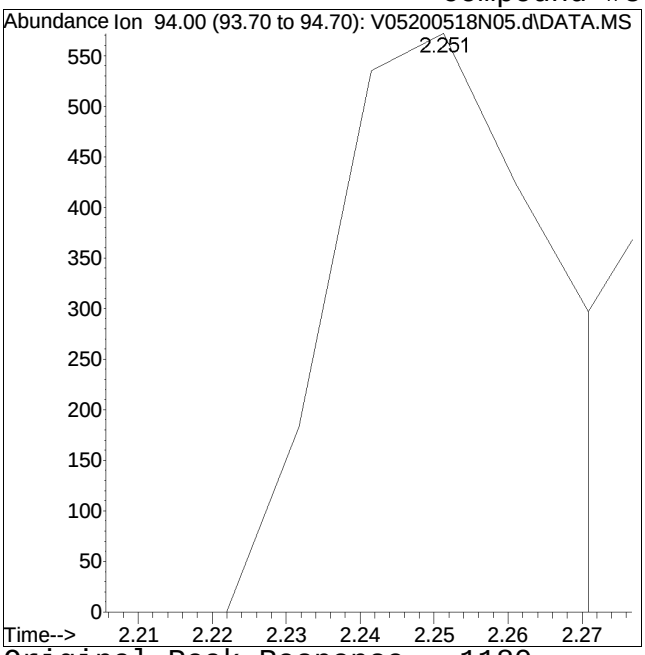
Ion	Ratio	Lower	Upper
180	100		
182	95.2	75.5	113.3
145	28.8	26.5	39.7



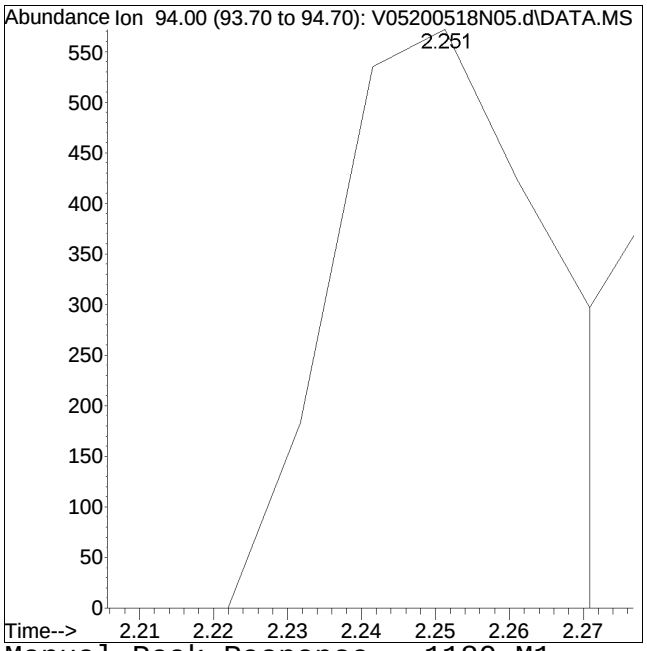
Manual Integration Report

Data Path : I:\VOLATILES\VOA105\2020\2QMethod : V105_200313N_8260.m
Data File : V05200518N05.d Operator : VOA105:AJK
Date Inj'd : 5/18/2020 7:38 pm Instrument : VOA 105
Sample : WG1372229-5,31,10,10 Quant Date : 5/18/2020 8:49 pm

Compound #5: Bromomethane



Original Peak Response = 1180



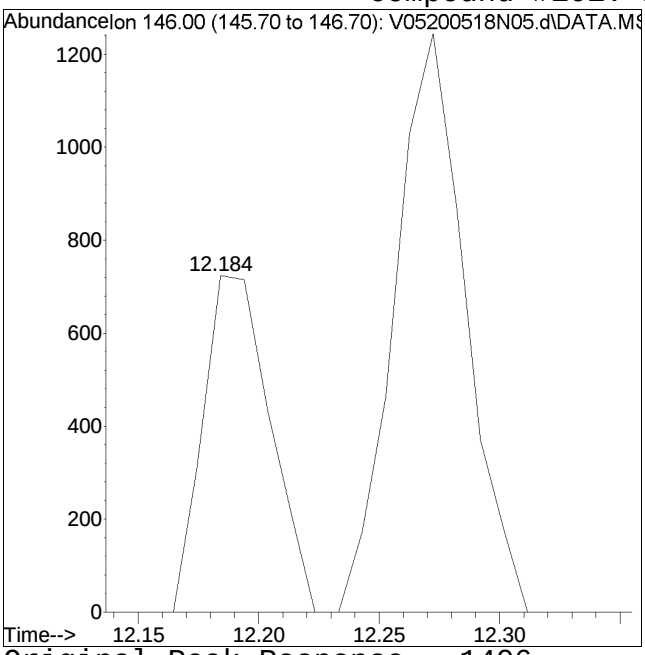
Manual Peak Response = 1180 M1

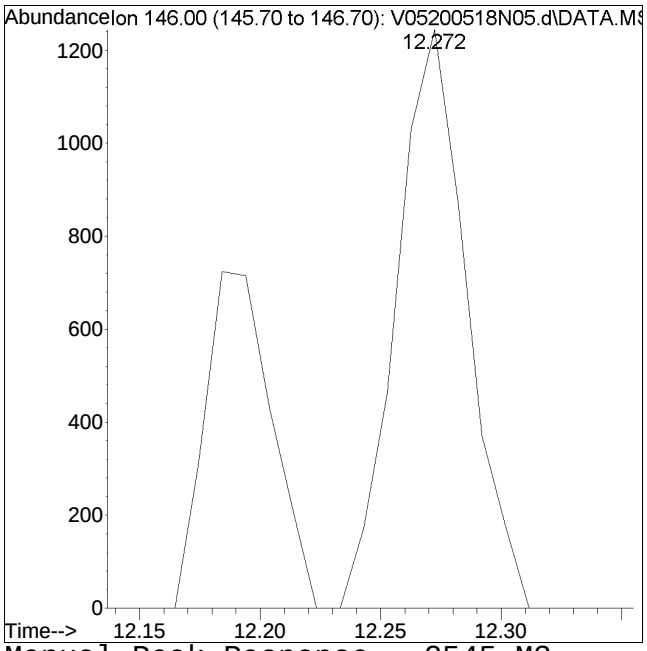
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA105\2020\2QMethod : V105_200313N_8260.m
Data File : V05200518N05.d Operator : VOA105:AJK
Date Inj'd : 5/18/2020 7:38 pm Instrument : VOA 105
Sample : WG1372229-5,31,10,10 Quant Date : 5/18/2020 8:49 pm

Compound #101: 1,4-Dichlorobenzene





Original Peak Response = 1406 Manual Peak Response = 2545 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

LSC Area Percent Report

Data Path : I:\VOLATILES\VOA105\2020\200518N\
Data File : V05200518N05.d
Acq On : 18 May 2020 7:38 pm
Operator : VOA105:AJK
Sample : WG1372229-5,31,10,10
Misc : WG1372229,ICAL16595
ALS Vial : 5 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : I:\VOLATILES\VOA105\2020\200518N\V105_200313N_8260.m
Title : VOLATILES BY GC/MS

Signal : TIC: V05200518N05.d\DATA.MS

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.234	418	424	447	rBV	451405	1055148	38.09%	7.337%
2	5.763	470	478	499	rBV	357285	853858	30.83%	5.937%
3	6.036	499	506	534	rVV	970062	2228317	80.45%	15.494%
4	7.719	670	678	707	rBV	1214981	2769809	100.00%	19.260%
5	9.559	857	864	888	rBV	1087168	2561675	92.49%	17.812%
6	11.048	1010	1016	1041	rBV	1032256	2167990	78.27%	15.075%
7	12.253	1134	1139	1154	rBV	1480418	2744633	99.09%	19.085%

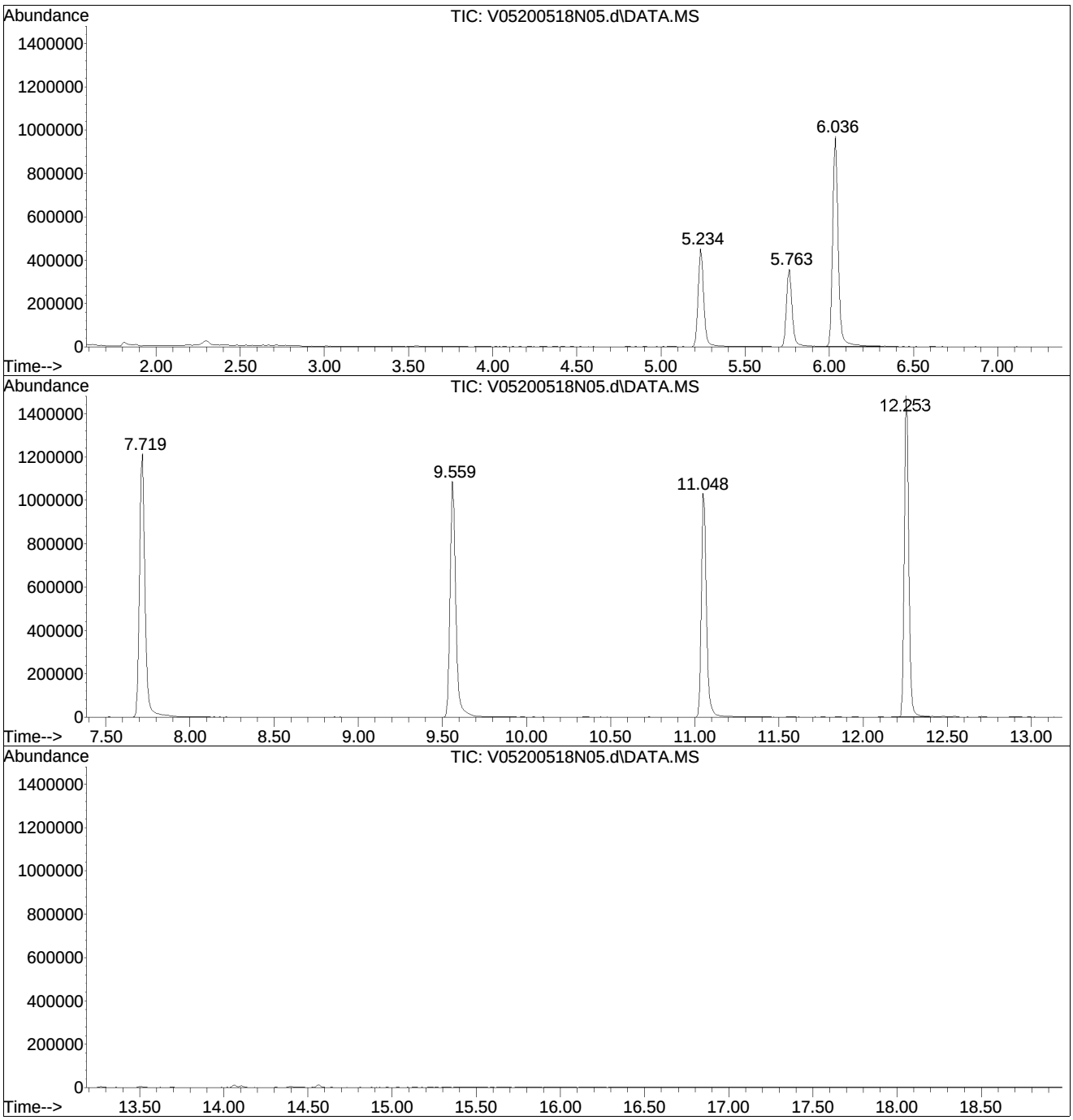
Sum of corrected areas: 14381430

LSC Report - Integrated Chromatogram

Data Path : I:\VOLATILES\VOA105\2020\200518N\
Data File : V05200518N05.d
Acq On : 18 May 2020 7:38 pm
Operator : VOA105:AJK
Sample : WG1372229-5,31,10,10
Misc : WG1372229,ICAL16595
ALS Vial : 5 Sample Multiplier: 1

Quant Method : I:\VOLATILES\VOA105\2020\200518N\V105_200313N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p



Library Search Compound Report

Data Path : I:\VOLATILES\VOA105\2020\200518N\
Data File : V05200518N05.d
Acq On : 18 May 2020 7:38 pm
Operator : VOA105:AJK
Sample : WG1372229-5,31,10,10
Misc : WG1372229,ICAL16595
ALS Vial : 5 Sample Multiplier: 1

Quant Method : I:\VOLATILES\VOA105\2020\200518N\V105_200313N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : I:\VOLATILES\VOA105\2020\200518N\
Data File : V05200518N05.d
Acq On : 18 May 2020 7:38 pm
Operator : VOA105:AJK
Sample : WG1372229-5,31,10,10
Misc : WG1372229,ICAL16595
ALS Vial : 5 Sample Multiplier: 1

Quant Method : I:\VOLATILES\VOA105\2020\200518N\V105_200313N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2020\200519A\
Data File : VE200519A05.D
Acq On : 19 May 2020 10:10 am
Operator : ELAINE:PD
Sample : WG1372327-5,31,10,10
Misc : WG1372327,ICAL16716
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 19 10:54:31 2020
Quant Method : I:\VOLATILES\Elaine\2020\200519A\Elaine_200421N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 22 18:53:41 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2020\200519A\VE200519A02.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.487	96	203581	10.000	ug/L	0.00
Standard Area 1 = 211540			Recovery = 96.24%			
59) Chlorobenzene-d5	8.494	117	155625	10.000	ug/L	0.00
Standard Area 1 = 159928			Recovery = 97.31%			
79) 1,4-Dichlorobenzene-d4	9.986	152	74186	10.000	ug/L	0.00
Standard Area 1 = 80793			Recovery = 91.82%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.502	113	47027	9.723	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.23%			
43) 1,2-Dichloroethane-d4	5.145	65	54951	9.586	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.86%			
60) Toluene-d8	7.195	98	201439	9.582	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.82%			
83) 4-Bromofluorobenzene	9.315	95	69665	9.796	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.96%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0		N.D.	
3) Chloromethane	1.063	50	50		N.D.	
4) Vinyl chloride	0.000		0		N.D.	
5) Bromomethane	1.322	94	107		N.D.	
6) Chloroethane	0.000		0		N.D.	
7) Trichlorofluoromethane	0.000		0		N.D.	
10) 1,1-Dichloroethene	0.000		0		N.D.	
11) Carbon disulfide	1.873	76	528		N.D.	
12) Freon-113	0.000		0		N.D.	
15) Methylene chloride	2.351	84	117		N.D.	
17) Acetone	0.000		0		N.D.	
18) trans-1,2-Dichloroethene	0.000		0		N.D.	
19) Methyl acetate	0.000		0		N.D.	
20) Methyl tert-butyl ether	0.000		0		N.D.	
23) 1,1-Dichloroethane	0.000		0		N.D.	
28) cis-1,2-Dichloroethene	0.000		0		N.D.	
30) Bromochloromethane	0.000		0		N.D.	
31) Cyclohexane	0.000		0		N.D.	
32) Chloroform	4.257	83	238		N.D.	
34) Carbon tetrachloride	0.000		0		N.D.	

Data Path : I:\VOLATILES\Elaine\2020\200519A\
Data File : VE200519A05.D
Acq On : 19 May 2020 10:10 am
Operator : ELAINE:PD
Sample : WG1372327-5,31,10,10
Misc : WG1372327,ICAL16716
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 19 10:54:31 2020
Quant Method : I:\VOLATILES\Elaine\2020\200519A\Elaine_200421N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 22 18:53:41 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2020\200519A\VE200519A02.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1,1,1-Trichloroethane	0.000		0		N.D.	
39) 2-Butanone	0.000		0		N.D.	
41) Benzene	0.000		0		N.D.	
44) 1,2-Dichloroethane	0.000		0		N.D.	
47) Methyl cyclohexane	0.000		0		N.D.	
48) Trichloroethene	5.612	95	92		N.D.	
51) 1,2-Dichloropropane	0.000		0		N.D.	
54) Bromodichloromethane	0.000		0		N.D.	
57) 1,4-Dioxane	0.000		0		N.D.	
58) cis-1,3-Dichloropropene	0.000		0		N.D.	
61) Toluene	0.000		0		N.D.	
62) 4-Methyl-2-pentanone	0.000		0		N.D.	
63) Tetrachloroethene	0.000		0		N.D.	
65) trans-1,3-Dichloropropene	0.000		0		N.D.	
68) 1,1,2-Trichloroethane	0.000		0		N.D.	
69) Chlorodibromomethane	0.000		0		N.D.	
71) 1,2-Dibromoethane	0.000		0		N.D.	
72) 2-Hexanone	8.492	43	26		N.D.	
73) Chlorobenzene	8.503	112	134		N.D.	
74) Ethylbenzene	8.550	91	26		N.D.	
76) p/m Xylene	8.656	106	103		N.D.	
77) o Xylene	0.000		0		N.D.	
78) Styrene	8.976	104	252		N.D.	
80) Bromoform	0.000		0		N.D.	
82) Isopropylbenzene	9.151	105	59		N.D.	
87) 1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
100) 1,3-Dichlorobenzene	9.938	146	198		N.D.	
101) 1,4-Dichlorobenzene	9.994	146	179		N.D.	
104) 1,2-Dichlorobenzene	0.000		0		N.D.	
106) 1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
109) 1,2,4-Trichlorobenzene	11.068	180	168		N.D.	
111) 1,2,3-Trichlorobenzene	11.349	180	190		N.D.	

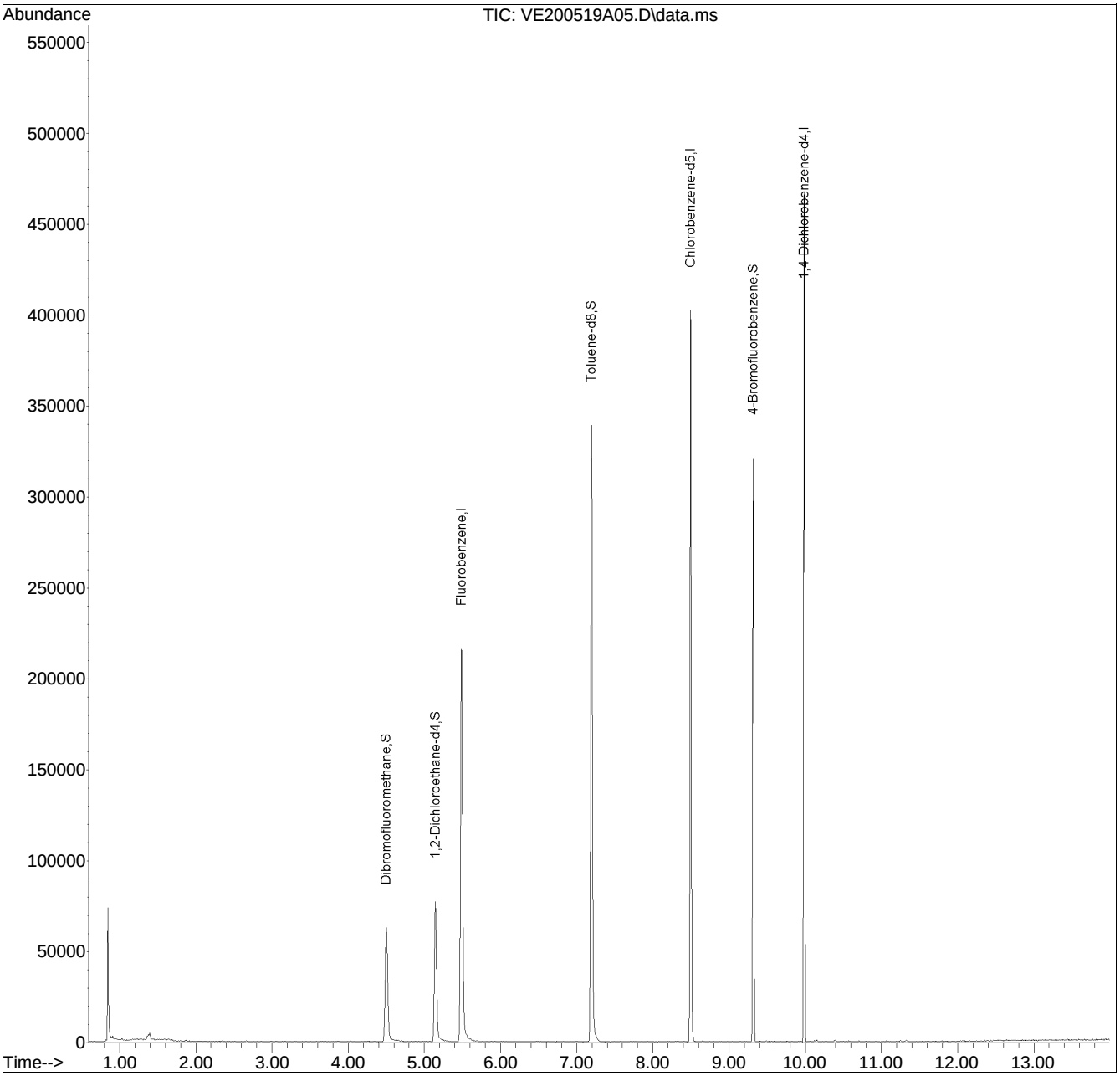
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2020\200519A\
Data File : VE200519A05.D
Acq On : 19 May 2020 10:10 am
Operator : ELAINE:PD
Sample : WG1372327-5,31,10,10
Misc : WG1372327,ICAL16716
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 19 10:54:31 2020
Quant Method : I:\VOLATILES\Elaine\2020\200519A\Elaine_200421N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 22 18:53:41 2020
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox00519A\VE200519A02.D•



Manual Integration Report

Data Path	: I:\VOLATILES\Elaine\2020\2Q	Method	: Elaine_200421N_8260.m
Data File	: VE200519A05.D	Operator	: ELAINE:PD
Date Inj'd	: 5/19/2020 10:10 am	Instrument	: Elaine
Sample	: WG1372327-5,31,10,10	Quant Date	: 5/19/2020 10:54 am

There are no manual integrations or false positives in this file.

LSC Area Percent Report

Data Path : I:\VOLATILES\Elaine\2020\200519A\
Data File : VE200519A05.D
Acq On : 19 May 2020 10:10 am
Operator : ELAINE:PD
Sample : WG1372327-5,31,10,10
Misc : WG1372327,ICAL16716
ALS Vial : 1 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : I:\VOLATILES\Elaine\2020\200519A\Elaine_200421N_8260.m
Title : VOLATILES BY GC/MS

Signal : TIC: VE200519A05.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.502	1389	1406	1427	rBV	62816	144330	27.37%	5.846%
2	5.145	1619	1637	1671	rBV2	76962	157830	29.93%	6.393%
3	5.487	1744	1760	1797	rBV	215930	427695	81.11%	17.325%
4	7.195	2360	2374	2411	rBV	338693	527308	100.00%	21.360%
5	8.494	2831	2841	2867	rVB	402278	449277	85.20%	18.199%
6	9.315	3124	3136	3150	rVB	320903	326816	61.98%	13.239%
7	9.986	3367	3377	3388	rBV	465975	435403	82.57%	17.637%

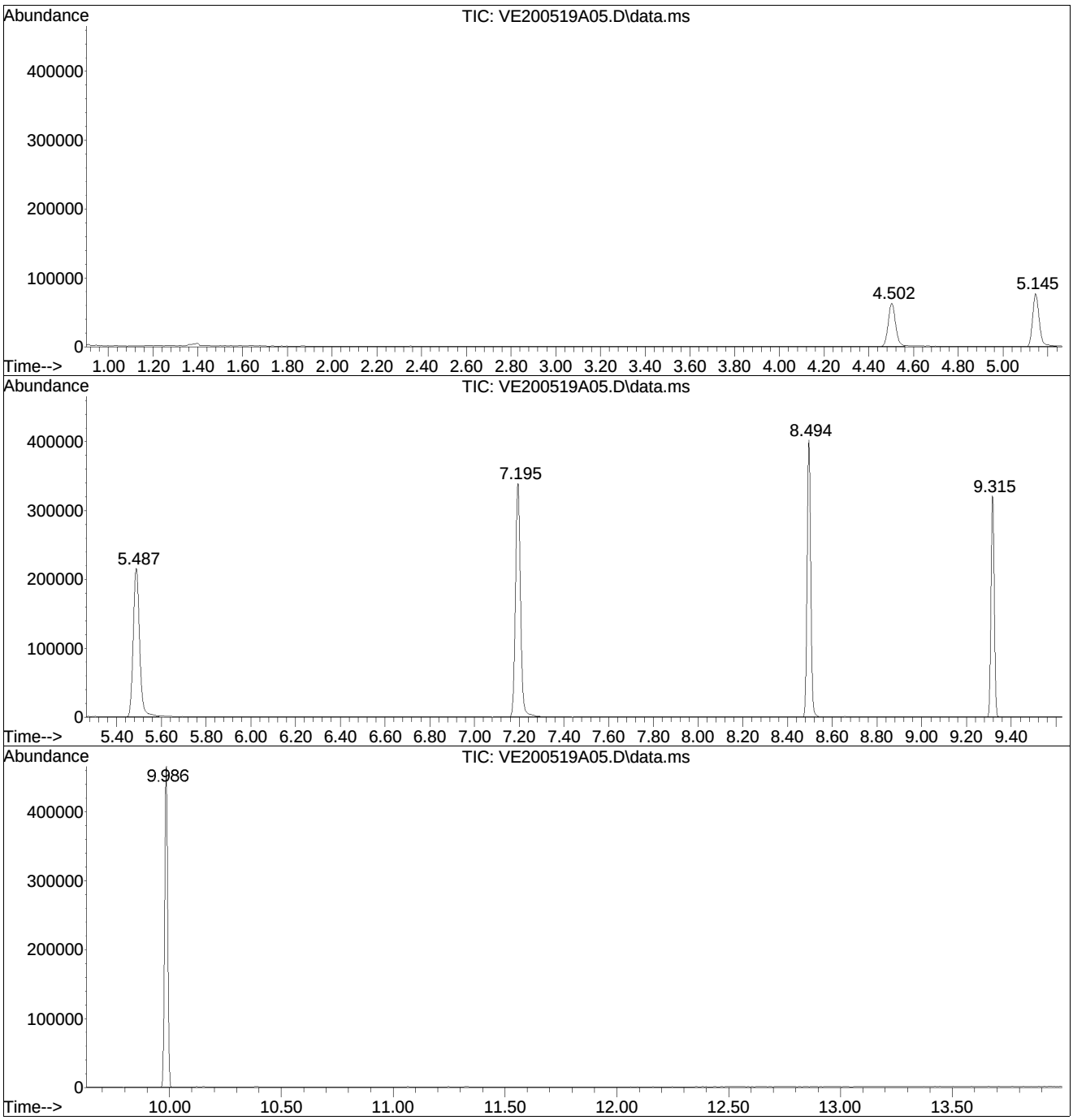
Sum of corrected areas: 2468659

LSC Report - Integrated Chromatogram

Data Path : I:\VOLATILES\Elaine\2020\200519A\
Data File : VE200519A05.D
Acq On : 19 May 2020 10:10 am
Operator : ELAINE:PD
Sample : WG1372327-5,31,10,10
Misc : WG1372327,ICAL16716
ALS Vial : 1 Sample Multiplier: 1

Quant Method : I:\VOLATILES\Elaine\2020\200519A\Elaine_200421N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p



Library Search Compound Report

Data Path : I:\VOLATILES\Elaine\2020\200519A\
Data File : VE200519A05.D
Acq On : 19 May 2020 10:10 am
Operator : ELAINE:PD
Sample : WG1372327-5,31,10,10
Misc : WG1372327,ICAL16716
ALS Vial : 1 Sample Multiplier: 1

Quant Method : I:\VOLATILES\Elaine\2020\200519A\Elaine_200421N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : I:\VOLATILES\Elaine\2020\200519A\
Data File : VE200519A05.D
Acq On : 19 May 2020 10:10 am
Operator : ELAINE:PD
Sample : WG1372327-5,31,10,10
Misc : WG1372327,ICAL16716
ALS Vial : 1 Sample Multiplier: 1

Quant Method : I:\VOLATILES\Elaine\2020\200519A\Elaine_200421N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2020\200518N\
Data File : V05200518N01.d
Acq On : 18 May 2020 6:05 pm
Operator : VOA105:AJK
Sample : WG1372229-3,31,10,10
Misc : WG1372229,ICAL16595
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 18 18:32:59 2020
Quant Method : I:\VOLATILES\VOA105\2020\200518N\V105_200313N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Mar 15 01:23:14 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2020\200518N\V05200518N01.d
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.027	96	1103307	10.000	ug/L	-0.02
Standard Area 1 = 1103307			Recovery = 100.00%			
59) Chlorobenzene-d5	9.559	117	869831	10.000	ug/L	-0.01
Standard Area 1 = 869831			Recovery = 100.00%			
79) 1,4-Dichlorobenzene-d4	12.253	152	540562	10.000	ug/L	-0.01
Standard Area 1 = 540562			Recovery = 100.00%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.234	113	329850	11.168	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 111.68%			
43) 1,2-Dichloroethane-d4	5.753	65	358893	11.338	ug/L	-0.02
Spiked Amount 10.000	Range 70 - 130		Recovery = 113.38%			
60) Toluene-d8	7.709	98	1129131	10.260	ug/L	-0.02
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.60%			
83) 4-Bromofluorobenzene	11.048	95	430816	8.470	ug/L	-0.01
Spiked Amount 10.000	Range 70 - 130		Recovery = 84.70%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.664	85	283645	12.186	ug/L	99
3) Chloromethane	1.860	50	182590	8.092	ug/L	97
4) Vinyl chloride	1.938	62	253496	8.957	ug/L	99
5) Bromomethane	2.242	94	56204	3.606	ug/L	100
6) Chloroethane	2.359	64	93987	6.709	ug/L	98
7) Trichlorofluoromethane	2.496	101	389850	9.574	ug/L	98
10) 1,1-Dichloroethene	2.985	96	220570	10.447	ug/L	90
11) Carbon disulfide	3.014	76	571970	9.897	ug/L	100
12) Freon-113	3.014	101	264632	12.681	ug/L	88
15) Methylene chloride	3.542	84	241335	10.380	ug/L	97
17) Acetone	3.591	43	32134M3	9.539	ug/L	
18) trans-1,2-Dichloroethene	3.689	96	248053	10.452	ug/L	93
19) Methyl acetate	3.709	43	94316M4	10.215	ug/L	
20) Methyl tert-butyl ether	3.787	73	461201	9.027	ug/L	96
23) 1,1-Dichloroethane	4.276	63	410913	9.821	ug/L	99
28) cis-1,2-Dichloroethene	4.794	96	265126	10.324	ug/L	96
30) Bromochloromethane	4.980	128	125631	10.807	ug/L	95
31) Cyclohexane	4.970	56	379878	10.316	ug/L	99
32) Chloroform	5.049	83	457307	10.817	ug/L	98
34) Carbon tetrachloride	5.176	117	387314	10.218	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2020\200518N\
Data File : V05200518N01.d
Acq On : 18 May 2020 6:05 pm
Operator : VOA105:AJK
Sample : WG1372229-3,31,10,10
Misc : WG1372229,ICAL16595
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 18 18:32:59 2020
Quant Method : I:\VOLATILES\VOA105\2020\200518N\V105_200313N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Mar 15 01:23:14 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2020\200518N\V05200518N01.d
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1,1,1-Trichloroethane	5.244	97	444334	10.961	ug/L	99
39) 2-Butanone	5.352	43	47050	9.744	ug/L	86
41) Benzene	5.616	78	946537	9.862	ug/L	99
44) 1,2-Dichloroethane	5.821	62	308913	10.844	ug/L	98
47) Methyl cyclohexane	6.183	83	442017	10.501	ug/L	95
48) Trichloroethene	6.203	95	267376	9.797	ug/L	95
51) 1,2-Dichloropropane	6.750	63	212013	9.339	ug/L	95
54) Bromodichloromethane	6.829	83	316108	9.907	ug/L	99
57) 1,4-Dioxane	7.034	88	63573	548.827	ug/L	96
58) cis-1,3-Dichloropropene	7.513	75	335059	8.903	ug/L	94
61) Toluene	7.768	92	606271	9.681	ug/L	97
62) 4-Methyl-2-pentanone	8.208	58	37193	8.000	ug/L	85
63) Tetrachloroethene	8.218	166	345206	11.584	ug/L	93
65) trans-1,3-Dichloropropene	8.267	75	291562	9.568	ug/L	91
68) 1,1,2-Trichloroethane	8.452	83	159651	11.226	ug/L	98
69) Chlorodibromomethane	8.658	129	243127	10.655	ug/L	98
71) 1,2-Dibromoethane	8.942	107	185413	11.108	ug/L	99
72) 2-Hexanone	9.226	43	66278	8.507	ug/L	93
73) Chlorobenzene	9.579	112	653843	9.747	ug/L	95
74) Ethylbenzene	9.608	91	1162489	9.813	ug/L	95
76) p/m Xylene	9.794	106	905489	19.380	ug/L	86
77) o Xylene	10.333	106	849911	18.917	ug/L	88
78) Styrene	10.411	104	1365989	19.554	ug/L	92
80) Bromoform	10.441	173	125379	8.930	ug/L	97
82) Isopropylbenzene	10.715	105	1139114	7.932	ug/L	95
87) 1,1,2,2-Tetrachloroethane	11.303	83	184392	8.632	ug/L	98
100) 1,3-Dichlorobenzene	12.174	146	597613	9.464	ug/L	95
101) 1,4-Dichlorobenzene	12.272	146	590843	9.310	ug/L	95
104) 1,2-Dichlorobenzene	12.694	146	512243	9.191	ug/L	96
106) 1,2-Dibromo-3-chloropr...	13.477	155	21561	7.630	ug/L	98
109) 1,2,4-Trichlorobenzene	14.094	180	279863	8.070	ug/L	98
111) 1,2,3-Trichlorobenzene	14.555	180	191313	7.219	ug/L	98

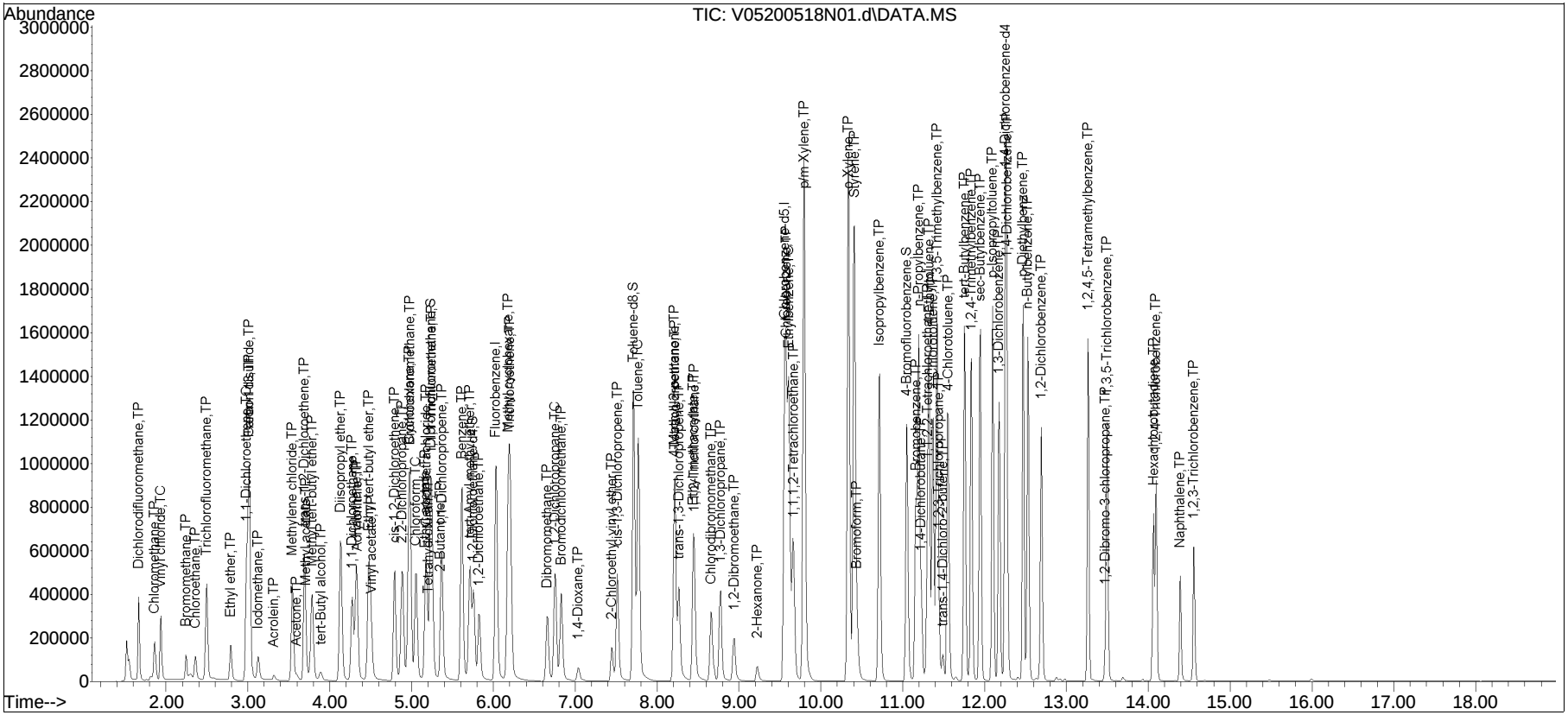
(#) = qualifier out of range (m) = manual integration (+) = signals summed

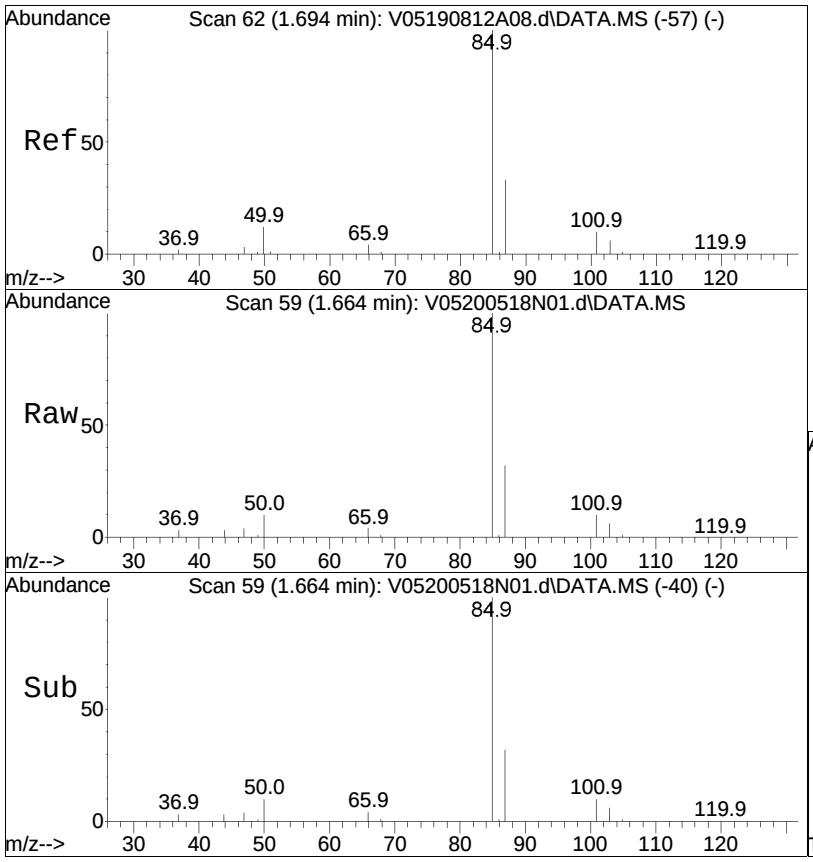
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2020\200518N\
Data File : V05200518N01.d
Acq On : 18 May 2020 6:05 pm
Operator : VOA105:AJK
Sample : WG1372229-3,31,10,10
Misc : WG1372229,ICAL16595
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 18 18:32:59 2020
Quant Method : I:\VOLATILES\VOA105\2020\200518N\V105_200313N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Mar 15 01:23:14 2020
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox00518N\V05200518N01.d•

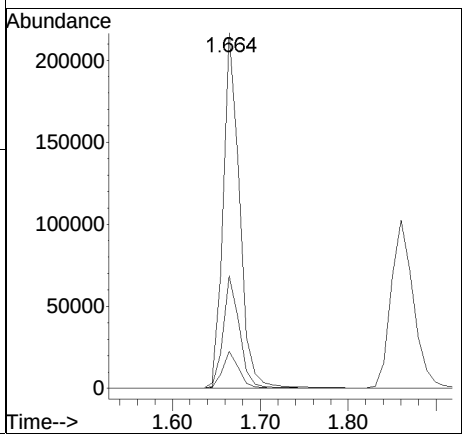


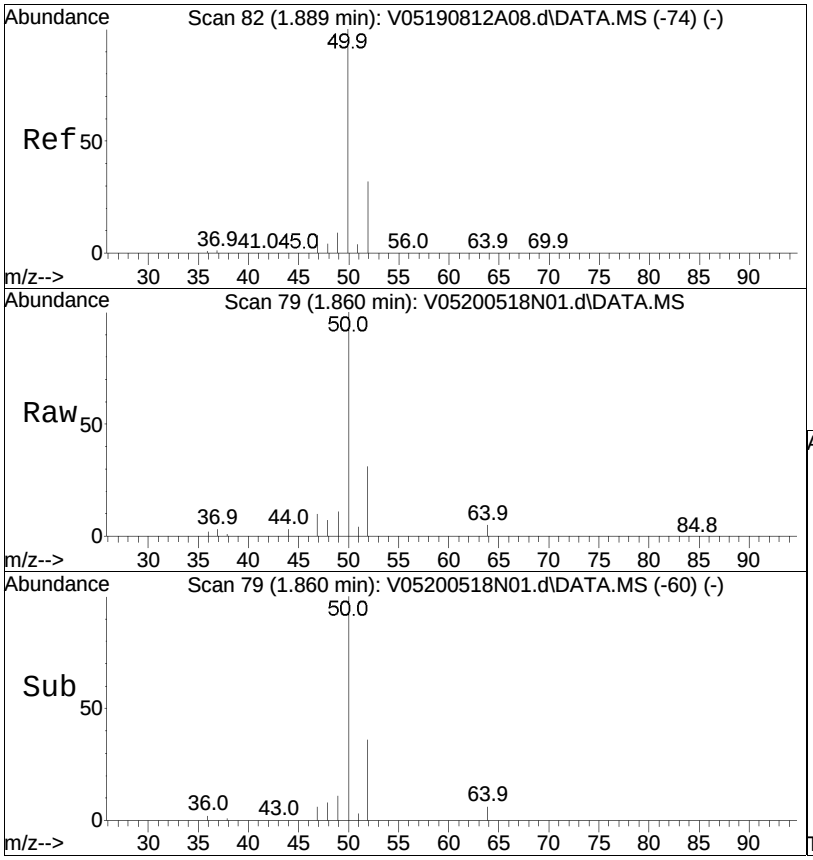


#2
Dichlorodifluoromethane
Concen: 12.19 ug/L
RT: 1.664 min Scan# 59
Delta R.T. -0.010 min
Lab File: V05200518N01.d
Acq: 18 May 2020 6:05 pm

Tgt Ion: 85 Resp: 283645

Ion	Ratio	Lower	Upper
85	100		
87	31.5	20.9	43.5
50	10.4	6.8	14.0

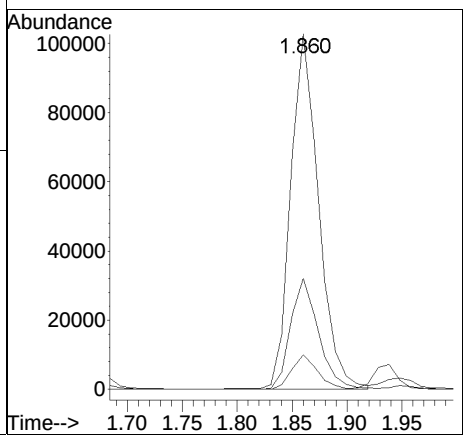


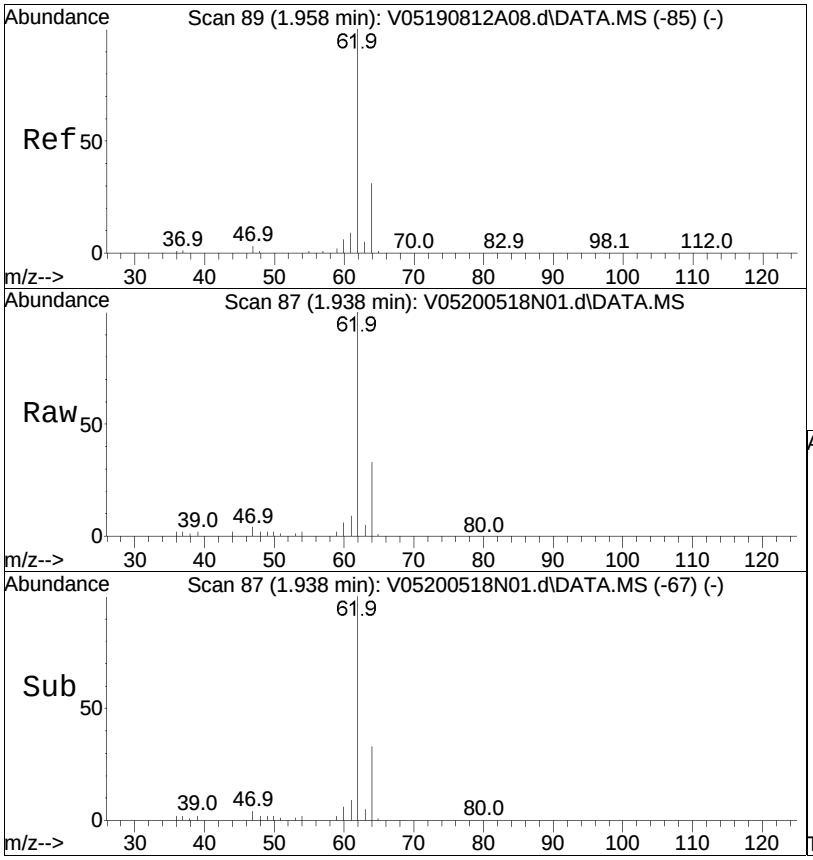


#3
Chloromethane
Concen: 8.09 ug/L
RT: 1.860 min Scan# 79
Delta R.T. -0.010 min
Lab File: V05200518N01.d
Acq: 18 May 2020 6:05 pm

Tgt Ion: 50 Resp: 182590

Ion	Ratio	Lower	Upper
50	100		
52	31.2	12.6	52.6
47	9.1	0.0	30.1

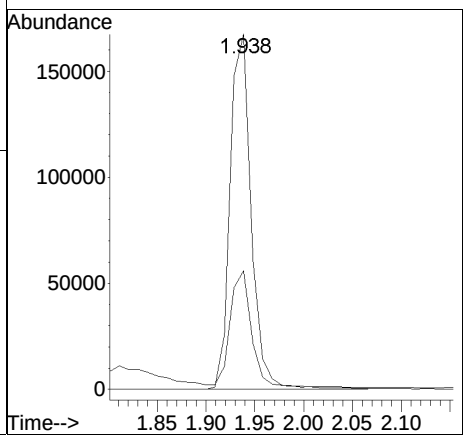


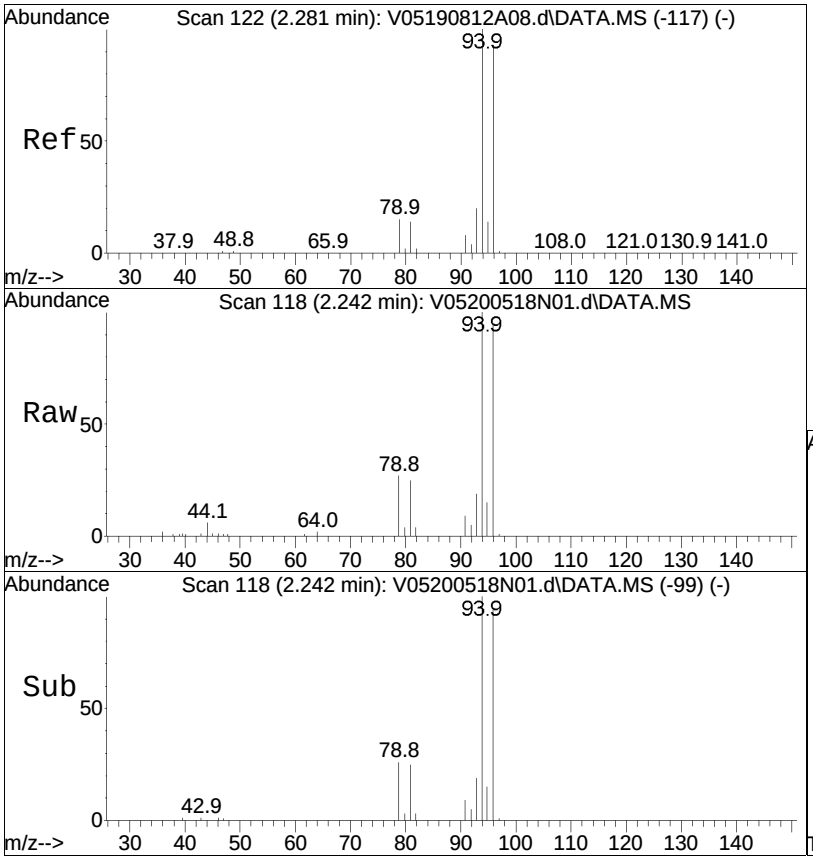


#4
Vinyl chloride
Concen: 8.96 ug/L
RT: 1.938 min Scan# 87
Delta R.T. 0.000 min
Lab File: V05200518N01.d
Acq: 18 May 2020 6:05 pm

Tgt Ion: 62 Resp: 253496

Ion	Ratio	Lower	Upper
62	100		
64	34.2	13.5	53.5

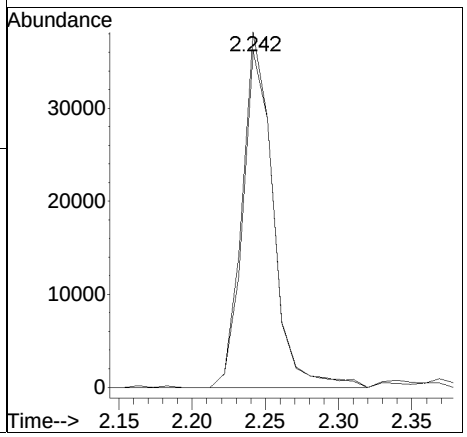


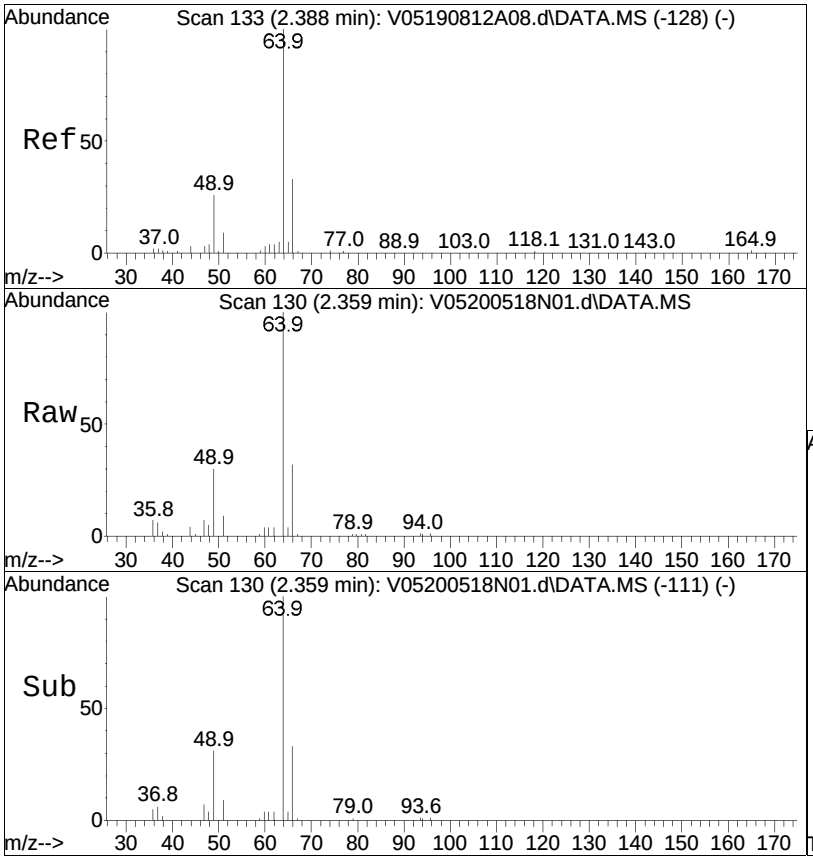


#5
Bromomethane
Concen: 3.61 ug/L
RT: 2.242 min Scan# 118
Delta R.T. -0.009 min
Lab File: V05200518N01.d
Acq: 18 May 2020 6:05 pm

Tgt Ion: 94 Resp: 56204

Ion	Ratio	Lower	Upper
94	100		
96	95.1	75.4	115.4

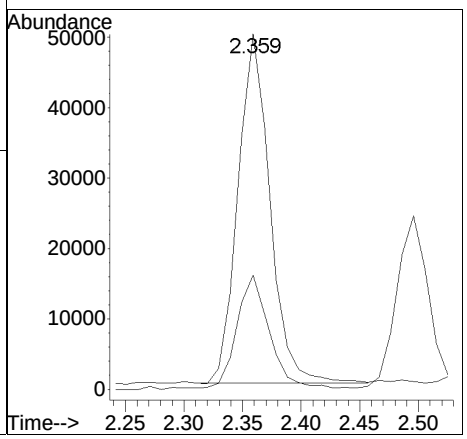


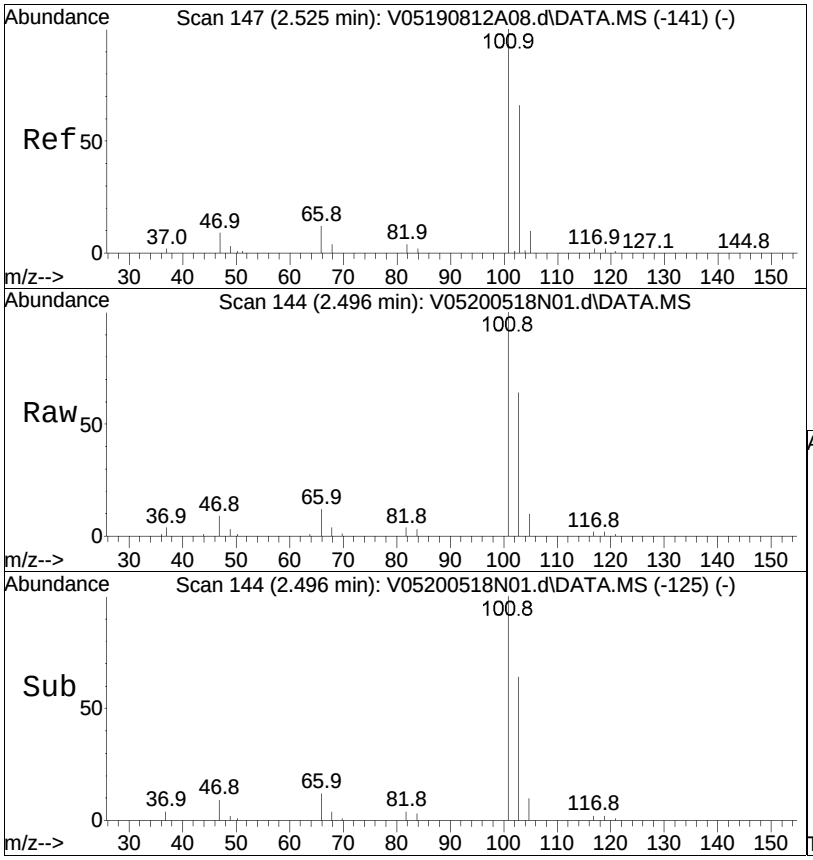


#6
Chloroethane
Concen: 6.71 ug/L
RT: 2.359 min Scan# 130
Delta R.T. -0.010 min
Lab File: V05200518N01.d
Acq: 18 May 2020 6:05 pm

Tgt Ion: 64 Resp: 93987

Ion	Ratio	Lower	Upper
64	100		
66	32.4	13.8	53.8

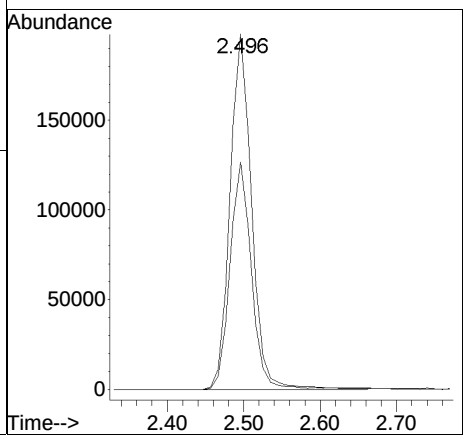


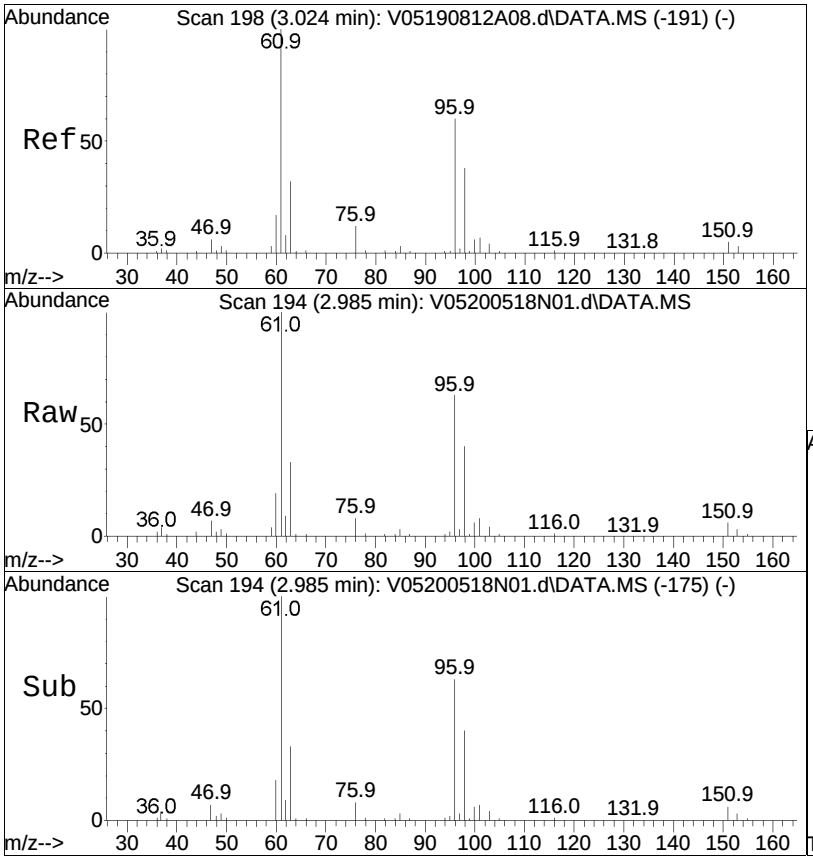


#7
Trichlorofluoromethane
Concen: 9.57 ug/L
RT: 2.496 min Scan# 144
Delta R.T. -0.010 min
Lab File: V05200518N01.d
Acq: 18 May 2020 6:05 pm

Tgt Ion:101 Resp: 389850

Ion	Ratio	Lower	Upper
101	100		
103	62.8	51.8	77.6

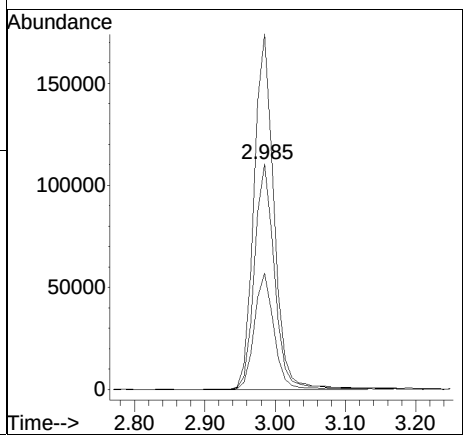


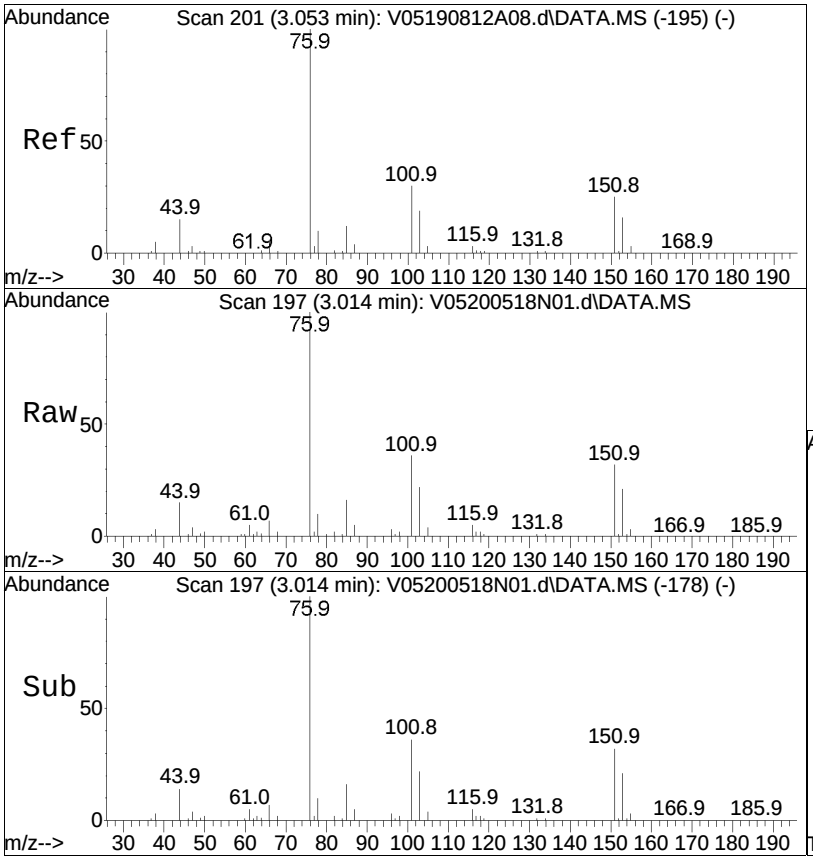


#10
1,1-Dichloroethene
Concen: 10.45 ug/L
RT: 2.985 min Scan# 194
Delta R.T. -0.010 min
Lab File: V05200518N01.d
Acq: 18 May 2020 6:05 pm

Tgt Ion: 96 Resp: 220570

Ion	Ratio	Lower	Upper
96	100		
61	156.2	136.7	205.1
63	50.6	45.0	67.6

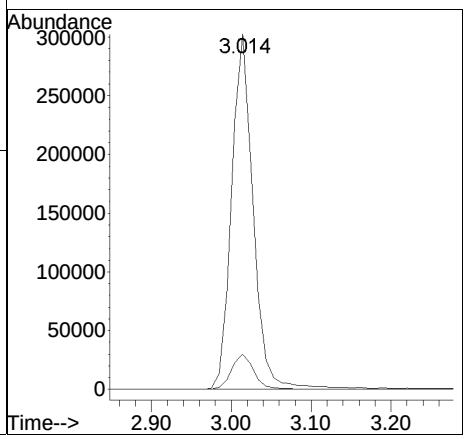


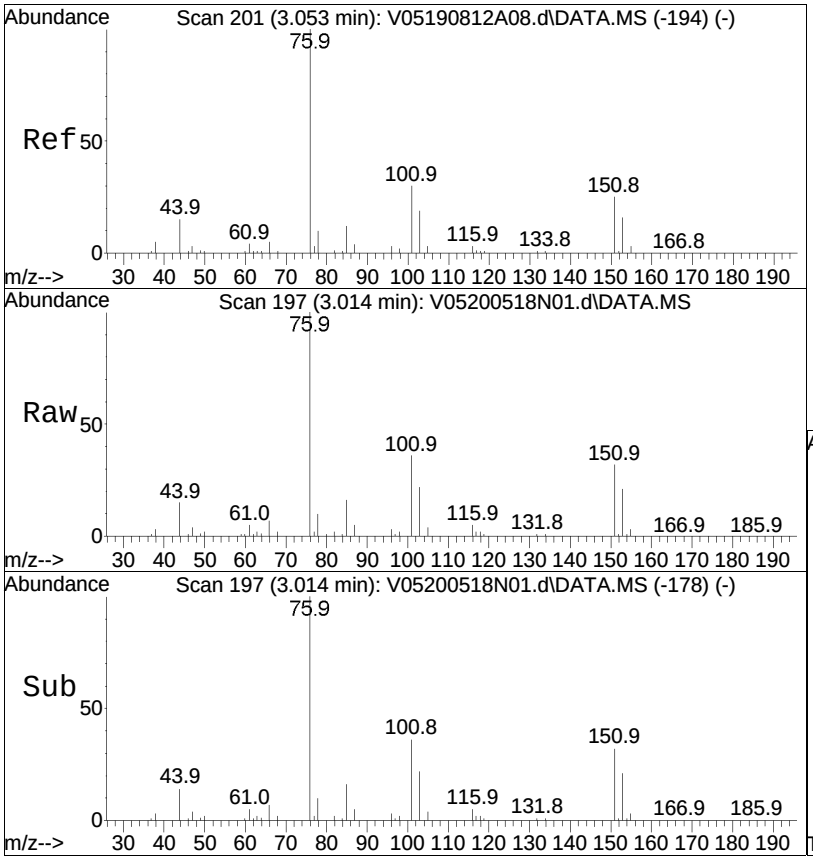


#11
Carbon disulfide
Concen: 9.90 ug/L
RT: 3.014 min Scan# 197
Delta R.T. -0.010 min
Lab File: V05200518N01.d
Acq: 18 May 2020 6:05 pm

Tgt Ion: 76 Resp: 571970

Ion	Ratio	Lower	Upper
76	100		
78	10.3	6.7	13.9

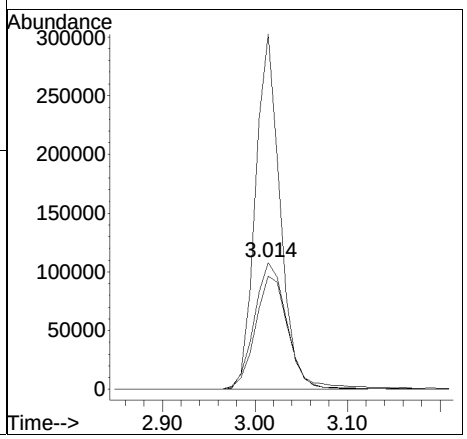


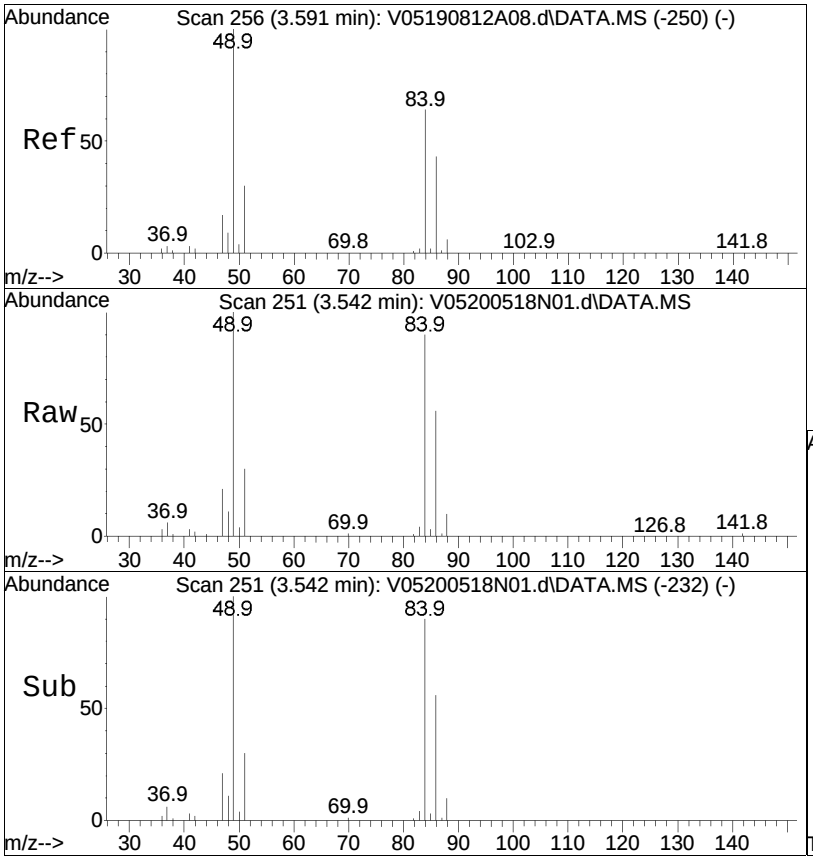


#12
Freon-113
Concen: 12.68 ug/L
RT: 3.014 min Scan# 197
Delta R.T. -0.010 min
Lab File: V05200518N01.d
Acq: 18 May 2020 6:05 pm

Tgt Ion:101 Resp: 264632

Ion	Ratio	Lower	Upper
101	100		
151	90.1	65.0	97.6
76	216.1	190.0	285.0

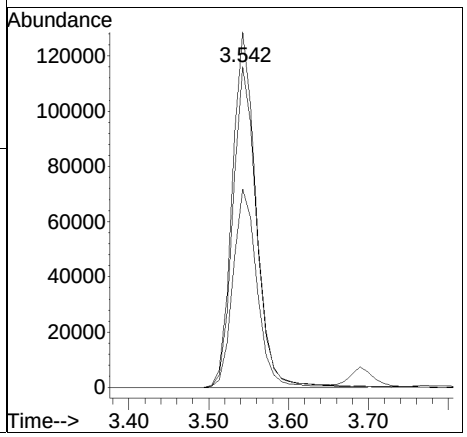


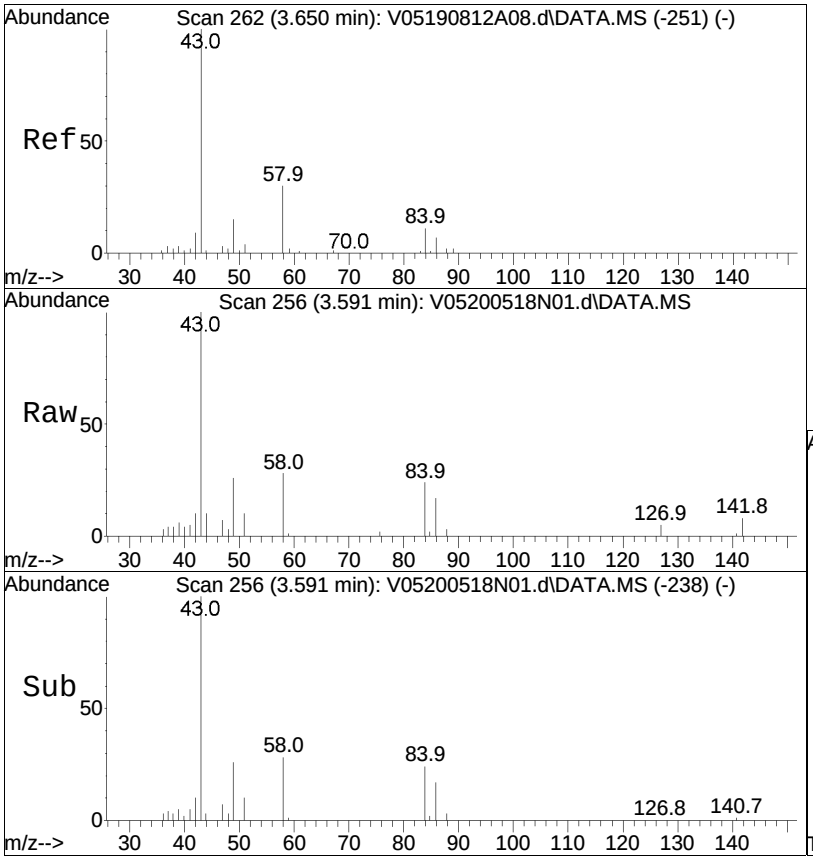


#15
Methylene chloride
Concen: 10.38 ug/L
RT: 3.542 min Scan# 251
Delta R.T. -0.010 min
Lab File: V05200518N01.d
Acq: 18 May 2020 6:05 pm

Tgt Ion: 84 Resp: 241335

Ion	Ratio	Lower	Upper
84	100		
86	62.6	42.1	87.5
49	110.3	69.3	143.9

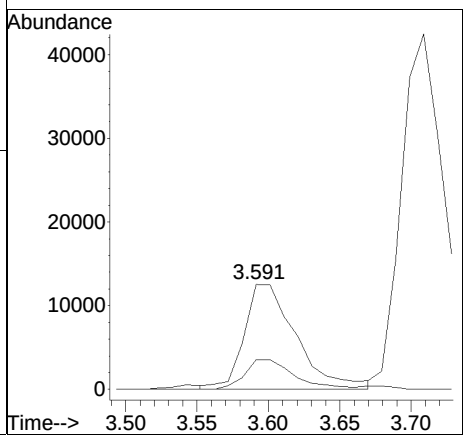


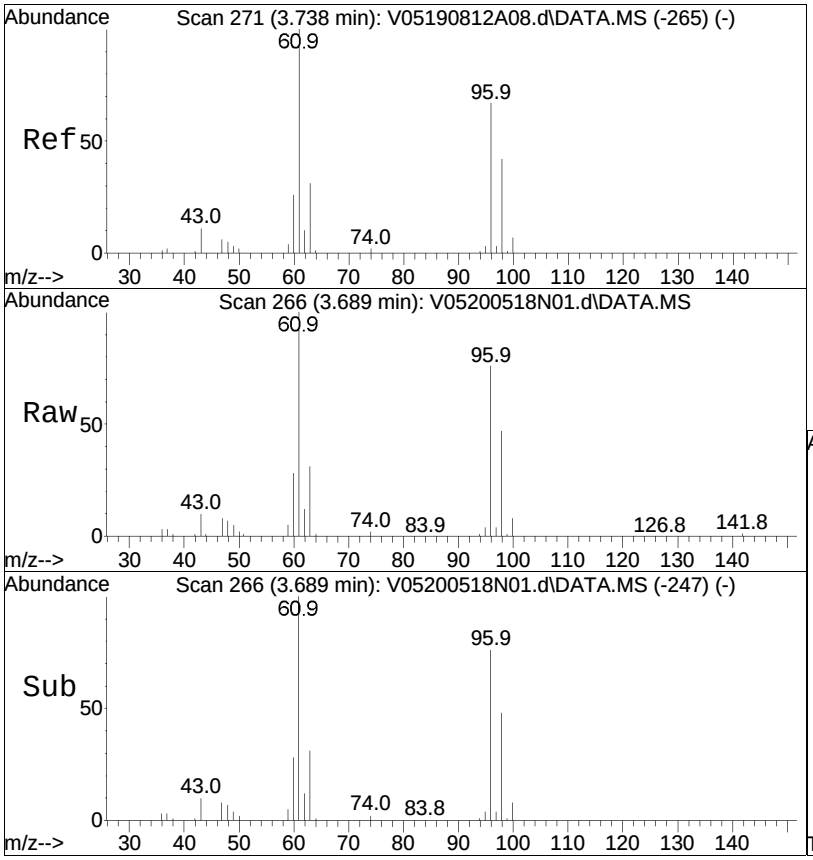


#17
Acetone
Concen: 9.54 ug/L M3
RT: 3.591 min Scan# 256
Delta R.T. -0.020 min
Lab File: V05200518N01.d
Acq: 18 May 2020 6:05 pm

Tgt Ion: 43 Resp: 32134

Ion	Ratio	Lower	Upper
43	100		
58	27.0	22.0	33.0

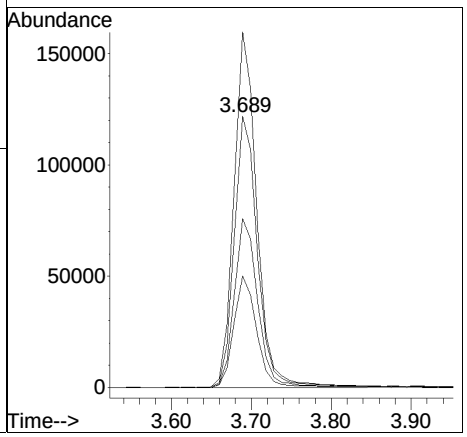


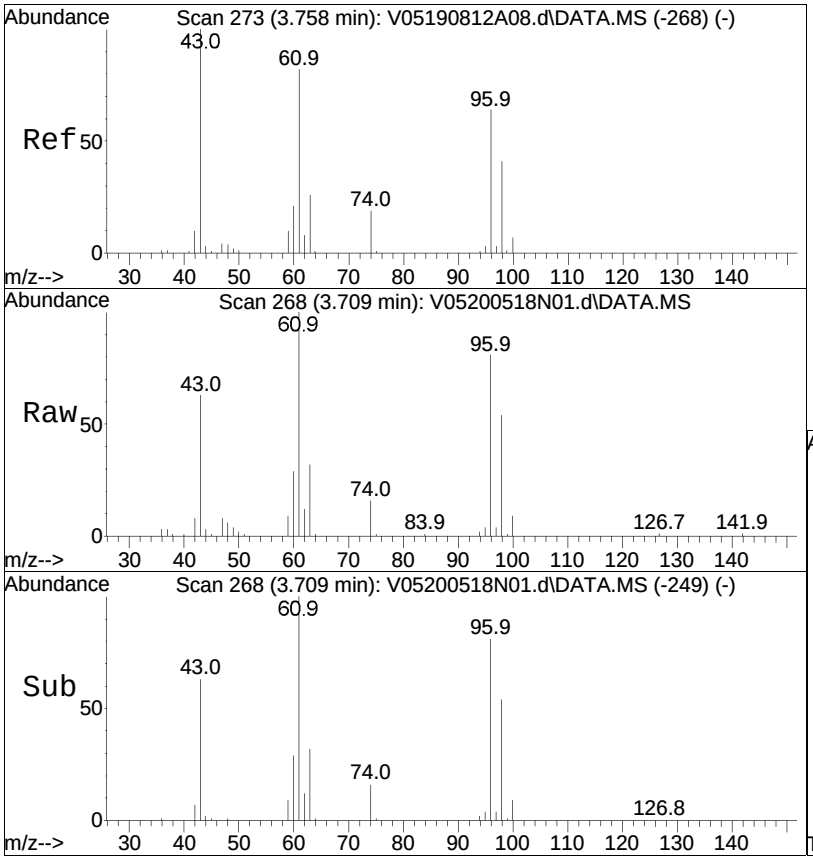


#18
trans-1,2-Dichloroethene
Concen: 10.45 ug/L
RT: 3.689 min Scan# 266
Delta R.T. -0.010 min
Lab File: V05200518N01.d
Acq: 18 May 2020 6:05 pm

Tgt Ion: 96 Resp: 248053

Ion	Ratio	Lower	Upper
96	100		
61	128.6	91.7	190.5
98	62.3	41.1	85.5
63	40.7	29.4	61.0

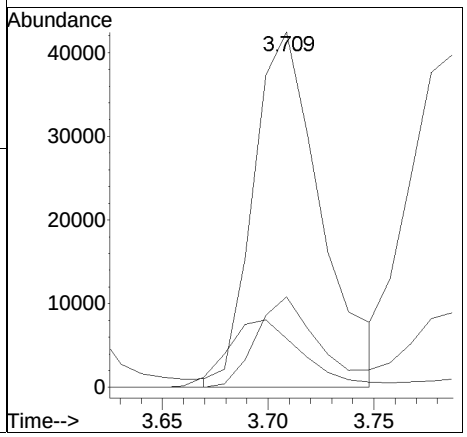


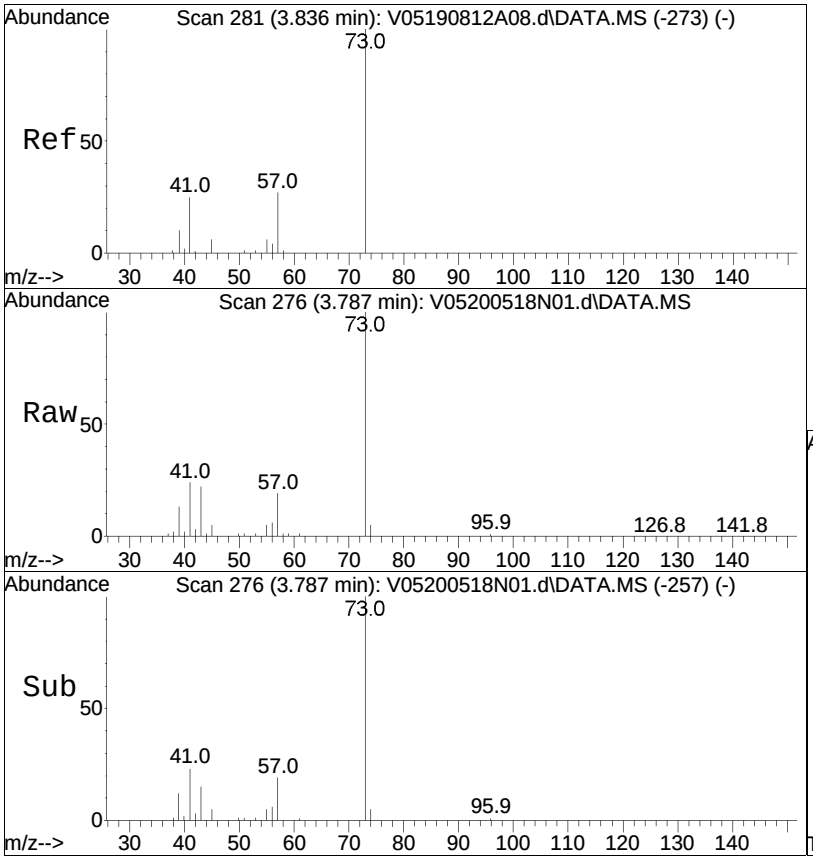


#19
Methyl acetate
Concen: 10.22 ug/L M4
RT: 3.709 min Scan# 268
Delta R.T. -0.009 min
Lab File: V05200518N01.d
Acq: 18 May 2020 6:05 pm

Tgt Ion: 43 Resp: 94316

Ion	Ratio	Lower	Upper
43	100		
74	22.6	23.1	34.7#
59	21.4	23.9	35.9#

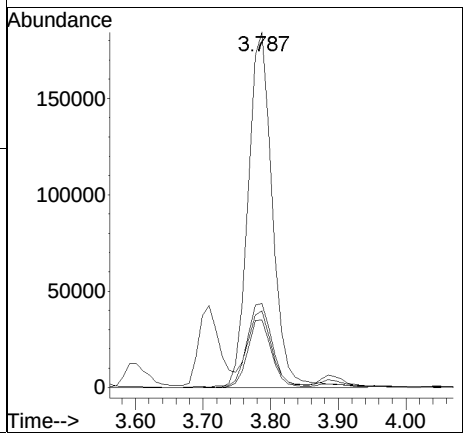


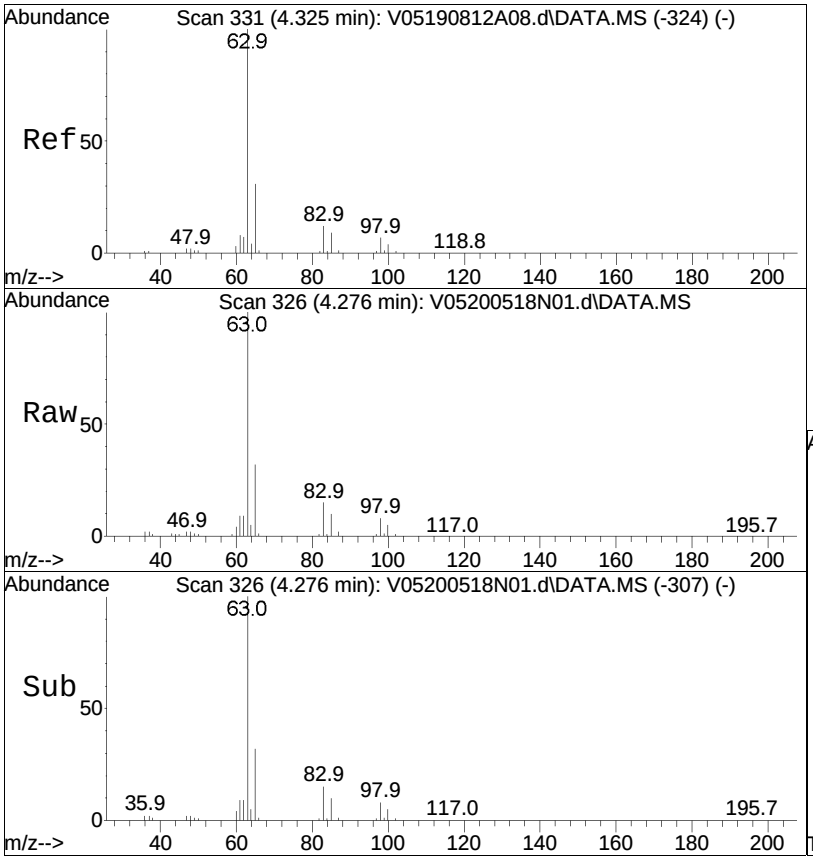


#20
Methyl tert-butyl ether
Concen: 9.03 ug/L
RT: 3.787 min Scan# 276
Delta R.T. -0.010 min
Lab File: V05200518N01.d
Acq: 18 May 2020 6:05 pm

Tgt Ion: 73 Resp: 461201

Ion	Ratio	Lower	Upper
73	100		
57	18.7	11.8	24.6
43	20.5	13.5	27.9
41	24.7	13.3	27.5

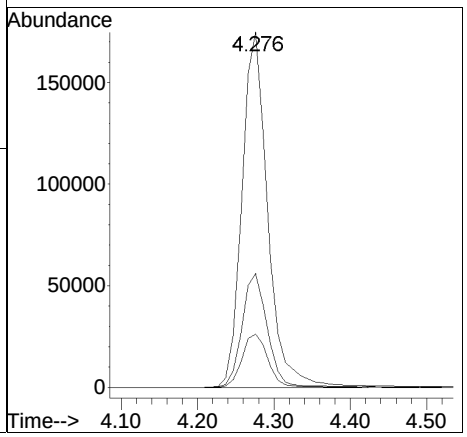


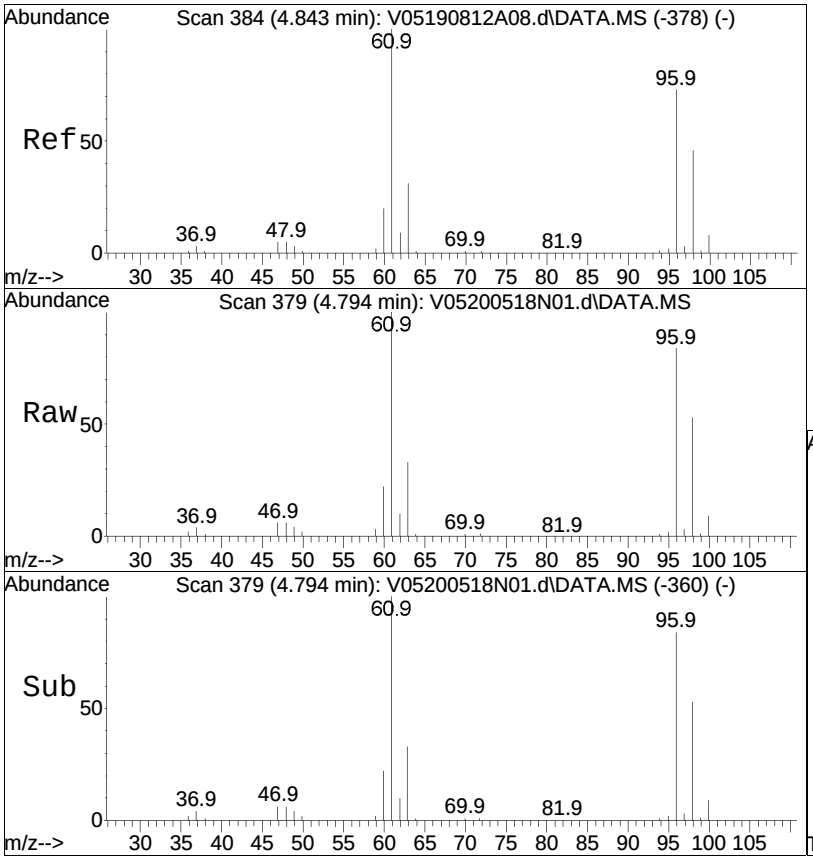


#23
1,1-Dichloroethane
Concen: 9.82 ug/L
RT: 4.276 min Scan# 326
Delta R.T. -0.010 min
Lab File: V05200518N01.d
Acq: 18 May 2020 6:05 pm

Tgt Ion: 63 Resp: 410913

Ion	Ratio	Lower	Upper
63	100		
65	31.5	11.9	51.9
83	15.1	0.0	34.2

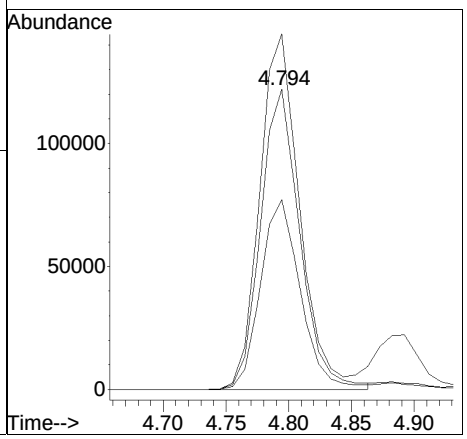


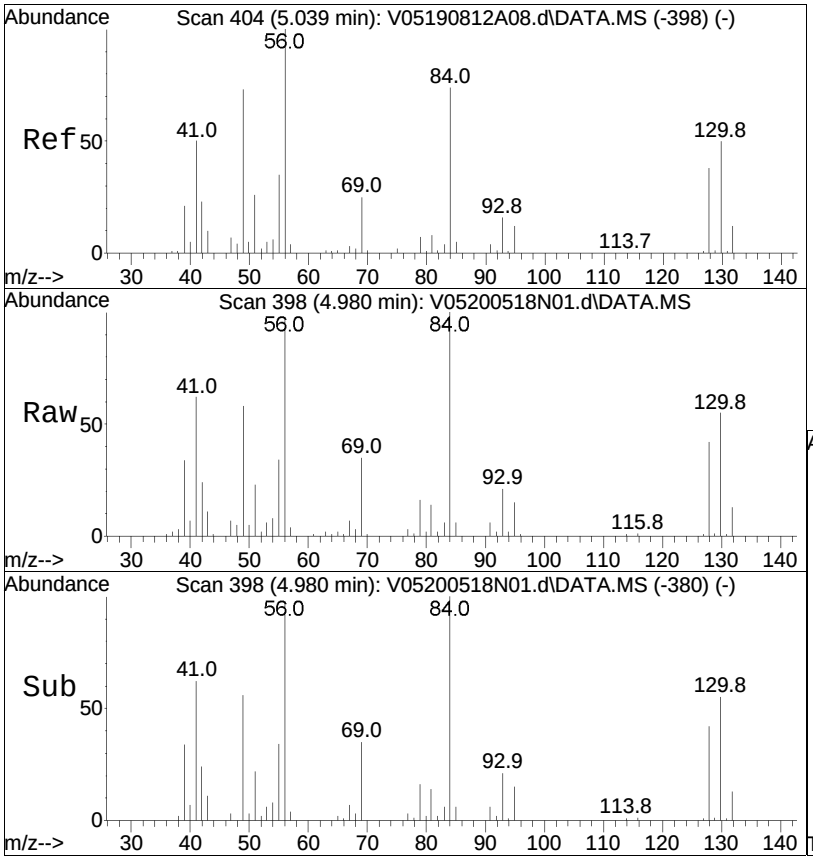


#28
cis-1,2-Dichloroethene
Concen: 10.32 ug/L
RT: 4.794 min Scan# 379
Delta R.T. -0.010 min
Lab File: V05200518N01.d
Acq: 18 May 2020 6:05 pm

Tgt Ion: 96 Resp: 265126

Ion	Ratio	Lower	Upper
96	100		
61	119.3	100.5	150.7
98	63.8	49.8	74.8

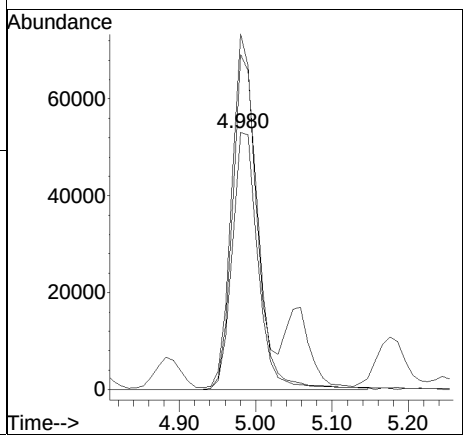


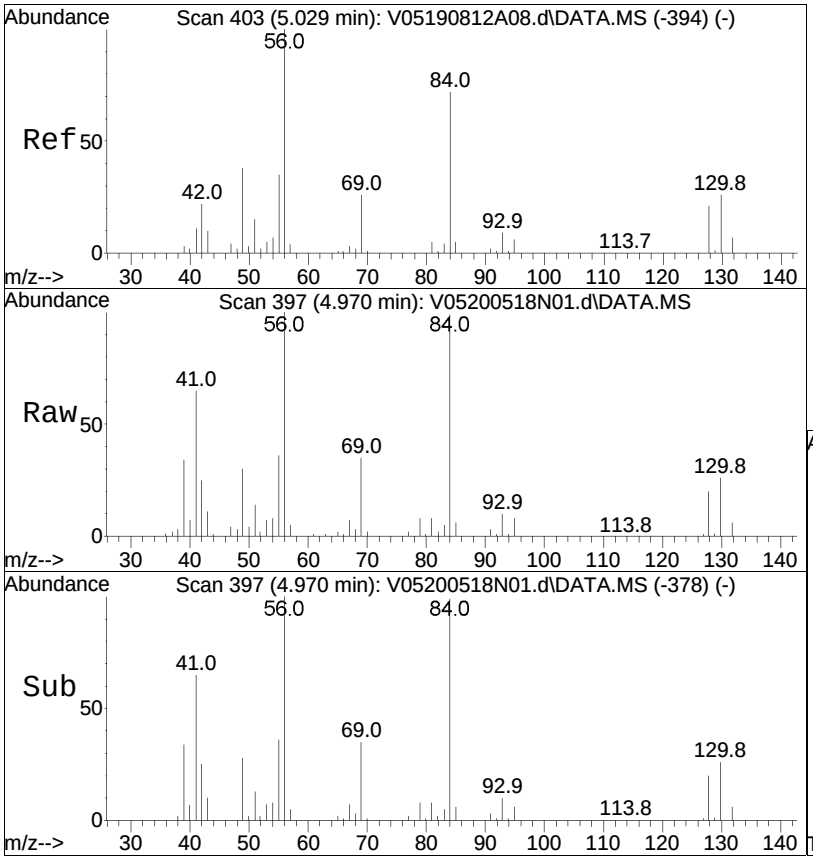


#30
Bromochloromethane
Concen: 10.81 ug/L
RT: 4.980 min Scan# 398
Delta R.T. -0.020 min
Lab File: V05200518N01.d
Acq: 18 May 2020 6:05 pm

Tgt Ion:128 Resp: 125631

Ion	Ratio	Lower	Upper
128	100		
49	129.7	109.0	163.4
130	127.6	105.6	158.4

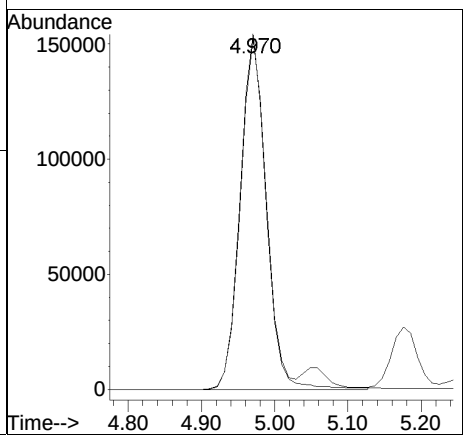


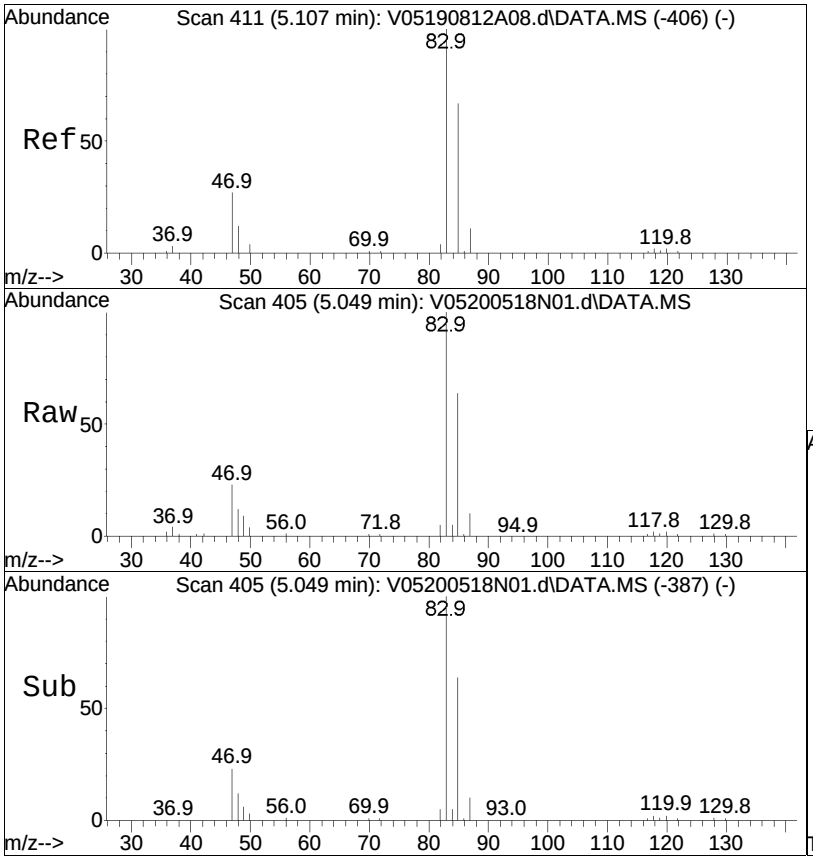


#31
Cyclohexane
Concen: 10.32 ug/L
RT: 4.970 min Scan# 397
Delta R.T. -0.010 min
Lab File: V05200518N01.d
Acq: 18 May 2020 6:05 pm

Tgt Ion: 56 Resp: 379878

Ion	Ratio	Lower	Upper
56	100		
84	98.4	64.4	133.8

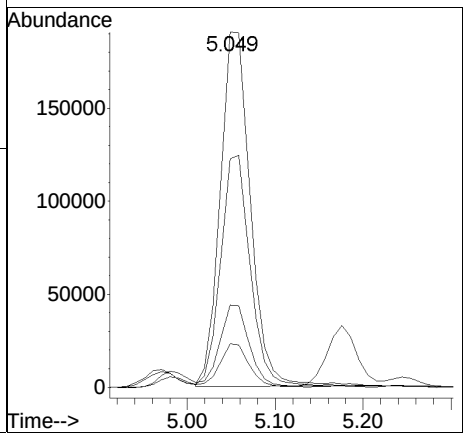


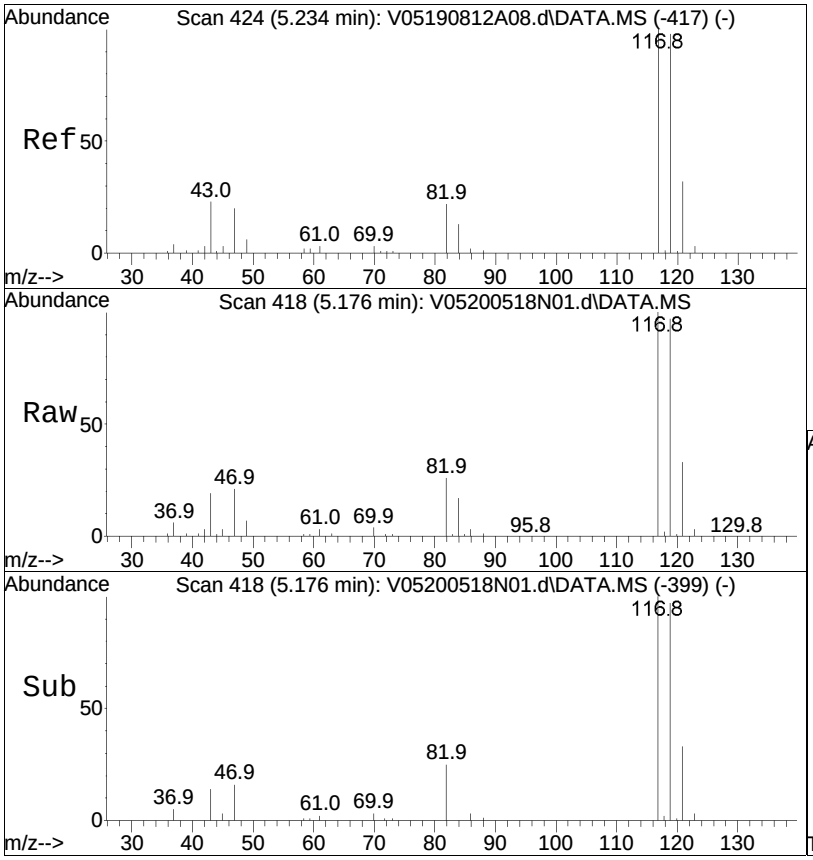


#32
Chloroform
Concen: 10.82 ug/L
RT: 5.049 min Scan# 405
Delta R.T. -0.019 min
Lab File: V05200518N01.d
Acq: 18 May 2020 6:05 pm

Tgt Ion: 83 Resp: 457307

Ion	Ratio	Lower	Upper
83	100		
85	64.0	42.8	89.0
47	21.6	13.7	28.4
48	11.9	6.9	14.3

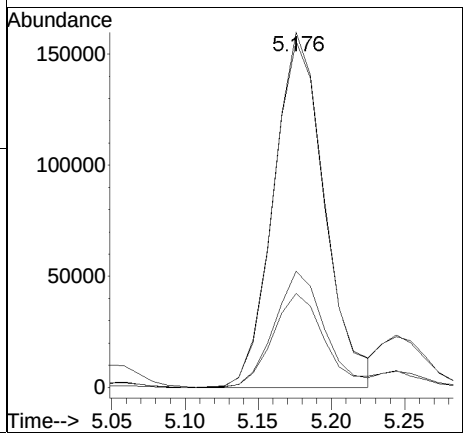


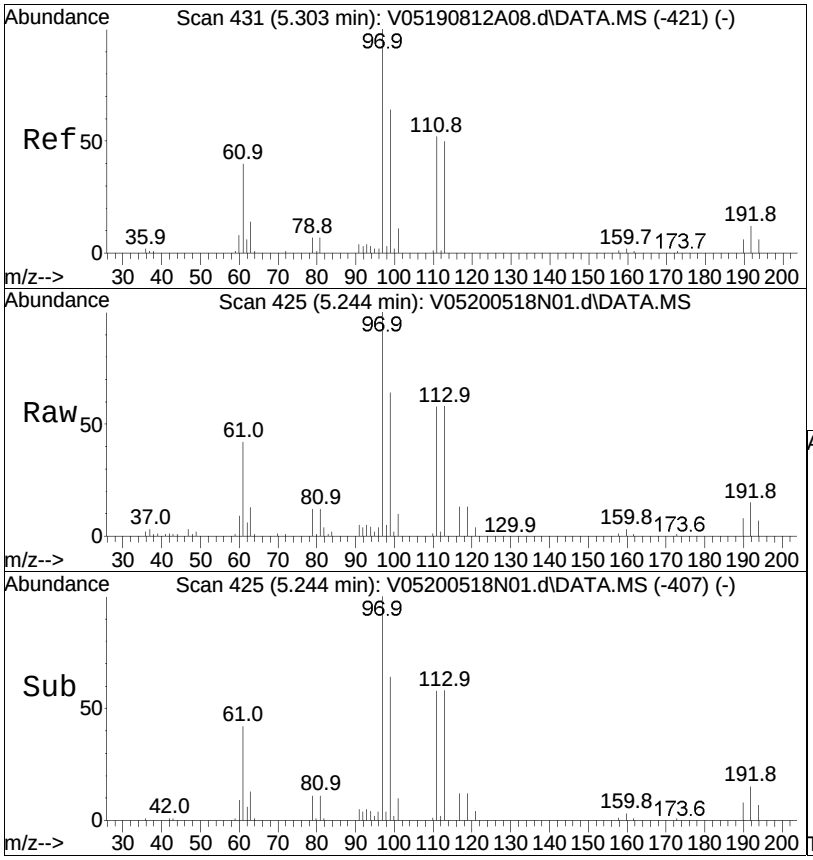


#34
Carbon tetrachloride
Concen: 10.22 ug/L
RT: 5.176 min Scan# 418
Delta R.T. -0.010 min
Lab File: V05200518N01.d
Acq: 18 May 2020 6:05 pm

Tgt Ion:117 Resp: 387314

Ion	Ratio	Lower	Upper
117	100		
119	98.6	63.6	132.2
121	32.1	19.8	41.0
82	27.1	15.9	32.9

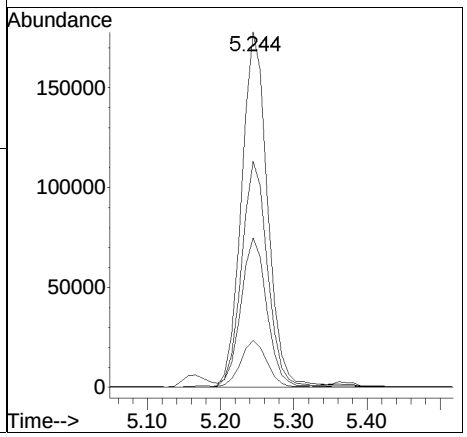


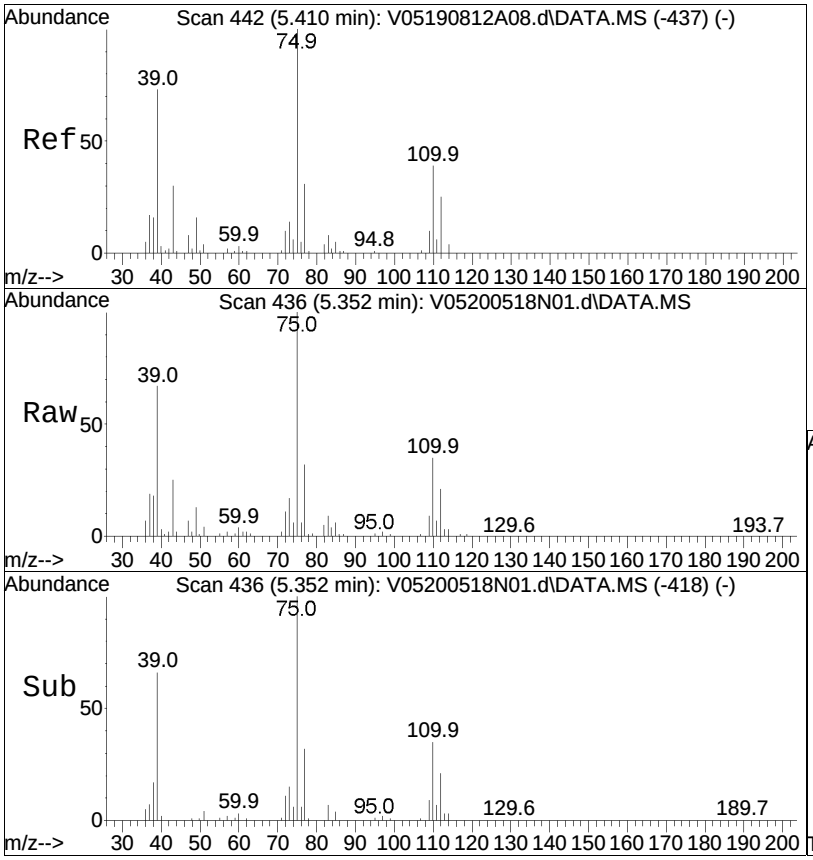


#37
1,1,1-Trichloroethane
Concen: 10.96 ug/L
RT: 5.244 min Scan# 425
Delta R.T. -0.020 min
Lab File: V05200518N01.d
Acq: 18 May 2020 6:05 pm

Tgt Ion: 97 Resp: 444334

Ion	Ratio	Lower	Upper
97	100		
99	63.6	41.7	86.5
61	41.2	26.1	54.3
63	13.8	8.5	17.6

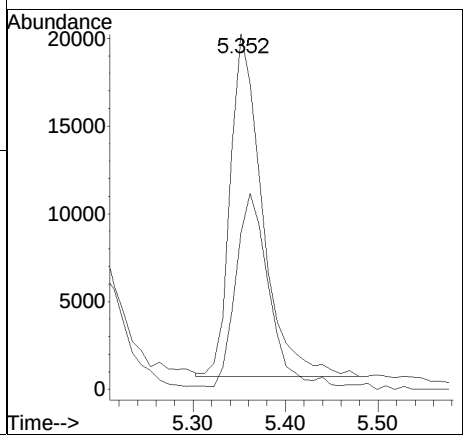


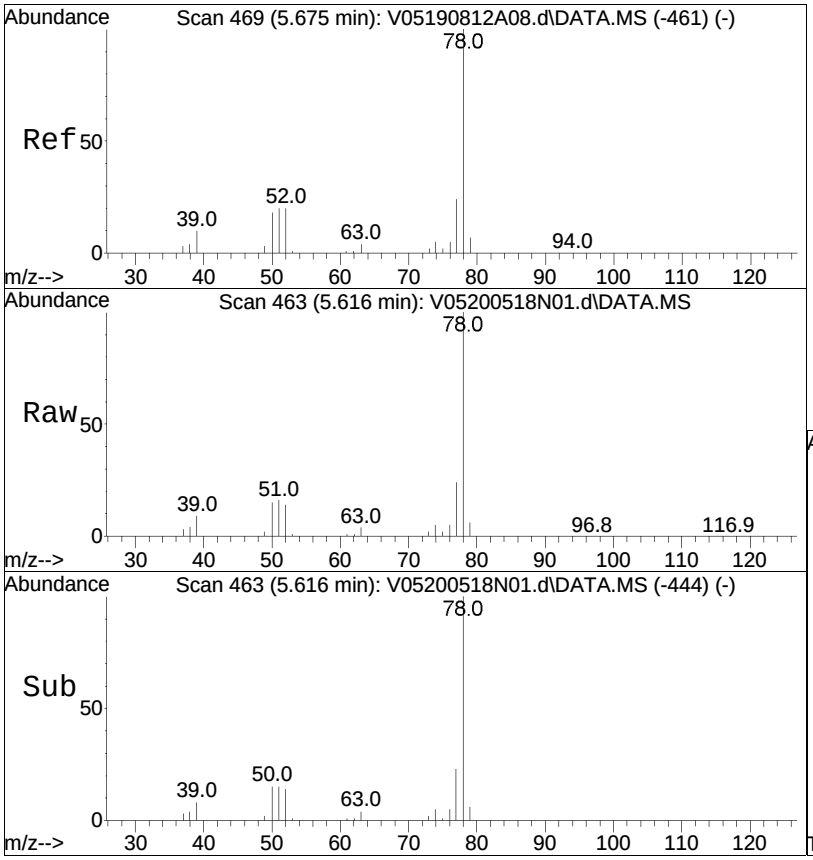


#39
2-Butanone
Concen: 9.74 ug/L
RT: 5.352 min Scan# 436
Delta R.T. -0.019 min
Lab File: V05200518N01.d
Acq: 18 May 2020 6:05 pm

Tgt Ion: 43 Resp: 47050

Ion	Ratio	Lower	Upper
43	100		
72	57.8	55.6	83.4

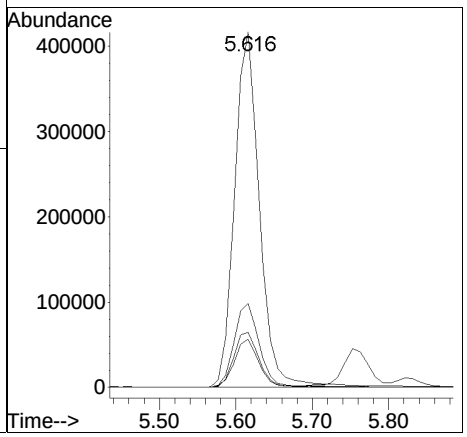


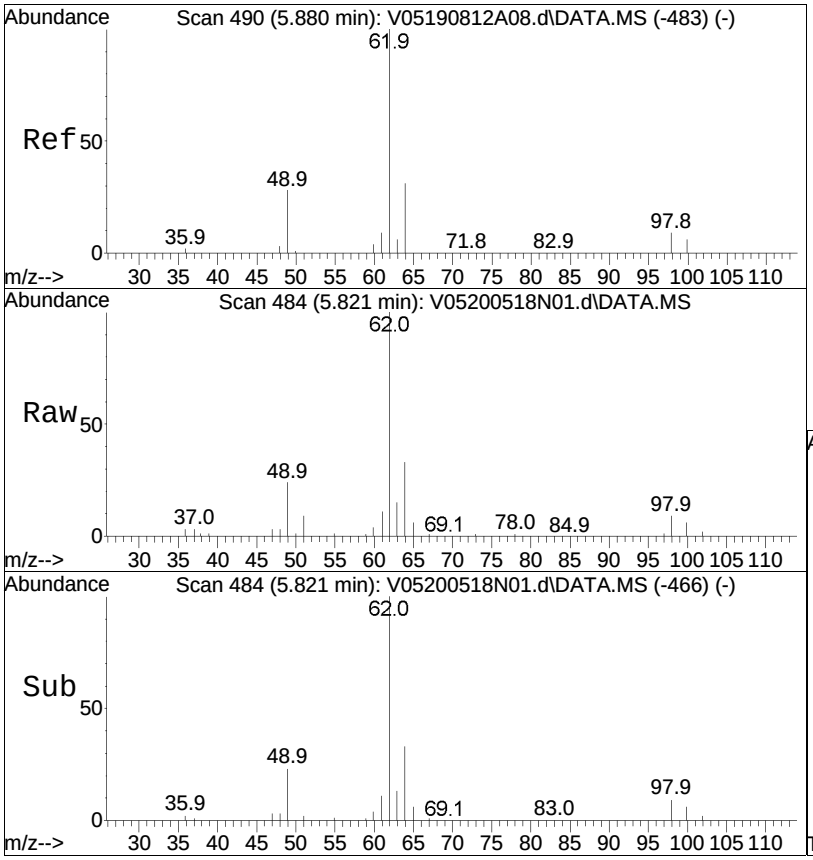


#41
Benzene
Concen: 9.86 ug/L
RT: 5.616 min Scan# 463
Delta R.T. -0.010 min
Lab File: V05200518N01.d
Acq: 18 May 2020 6:05 pm

Tgt Ion: 78 Resp: 946537

Ion	Ratio	Lower	Upper
78	100		
77	23.9	15.2	31.6
51	15.7	10.5	21.7
52	13.3	9.5	19.7

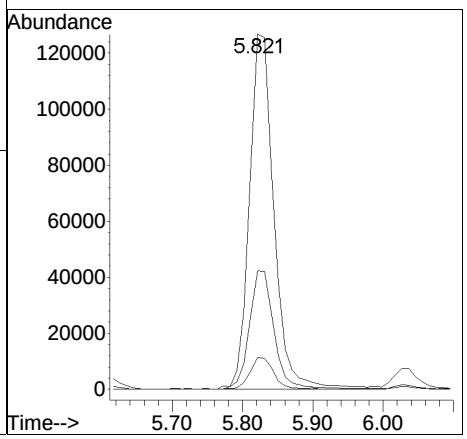


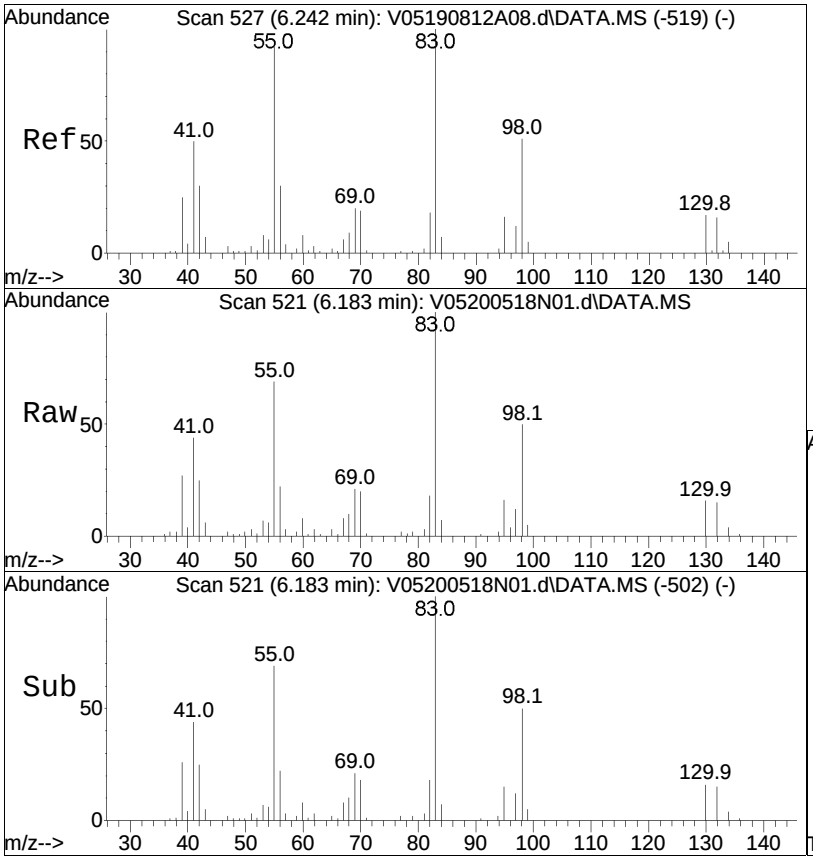


#44
1,2-Dichloroethane
Concen: 10.84 ug/L
RT: 5.821 min Scan# 484
Delta R.T. -0.020 min
Lab File: V05200518N01.d
Acq: 18 May 2020 6:05 pm

Tgt Ion: 62 Resp: 308913

Ion	Ratio	Lower	Upper
62	100		
64	33.9	13.2	53.2
98	9.0	0.0	27.8

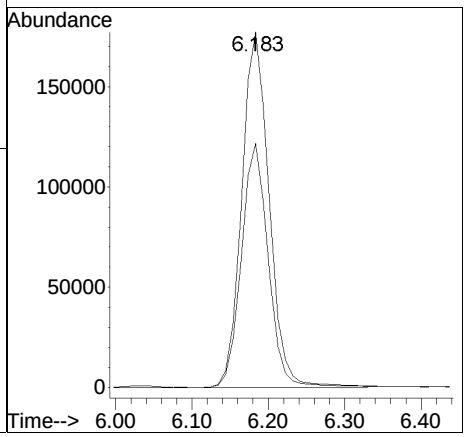


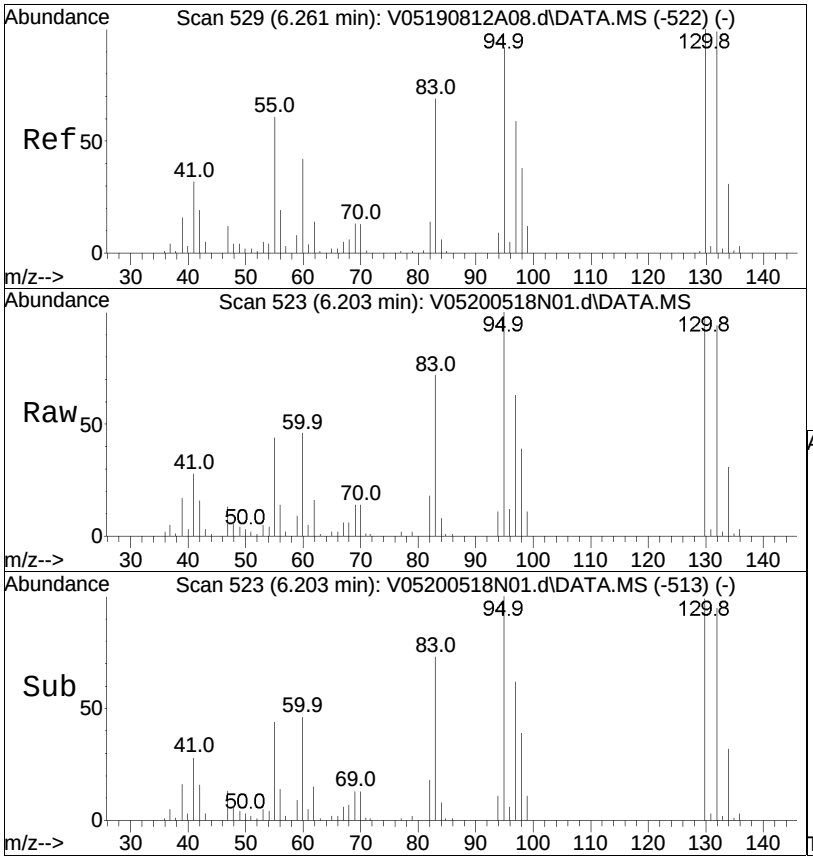


#47
Methyl cyclohexane
Concen: 10.50 ug/L
RT: 6.183 min Scan# 521
Delta R.T. -0.010 min
Lab File: V05200518N01.d
Acq: 18 May 2020 6:05 pm

Tgt Ion: 83 Resp: 442017

Ion	Ratio	Lower	Upper
83	100		
55	67.4	57.3	85.9

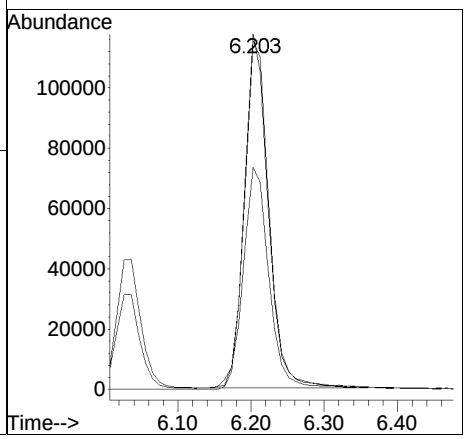


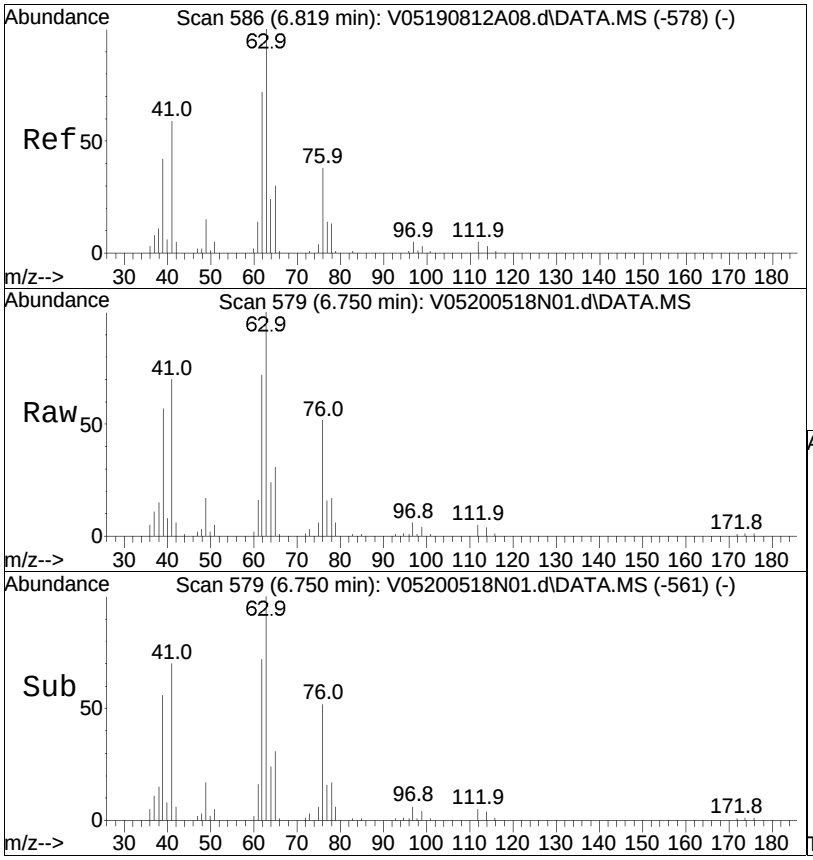


#48
Trichloroethene
Concen: 9.80 ug/L
RT: 6.203 min Scan# 523
Delta R.T. -0.019 min
Lab File: V05200518N01.d
Acq: 18 May 2020 6:05 pm

Tgt Ion: 95 Resp: 267376

Ion	Ratio	Lower	Upper
95	100		
97	66.7	56.1	84.1
130	102.2	77.7	116.5

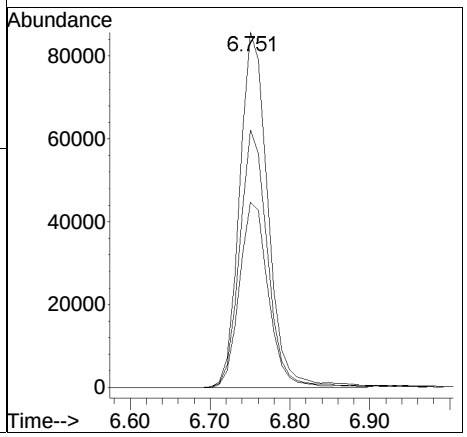


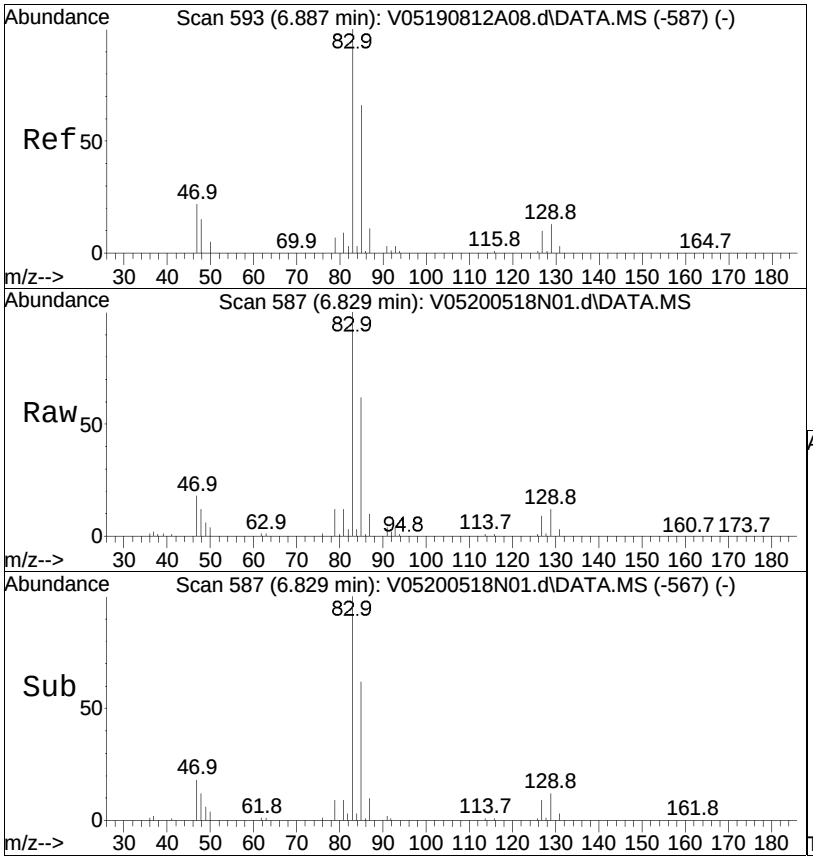


#51
1,2-Dichloropropane
Concen: 9.34 ug/L
RT: 6.750 min Scan# 579
Delta R.T. -0.019 min
Lab File: V05200518N01.d
Acq: 18 May 2020 6:05 pm

Tgt Ion: 63 Resp: 212013

Ion	Ratio	Lower	Upper
63	100		
62	70.9	57.0	85.4
76	52.8	48.4	72.6

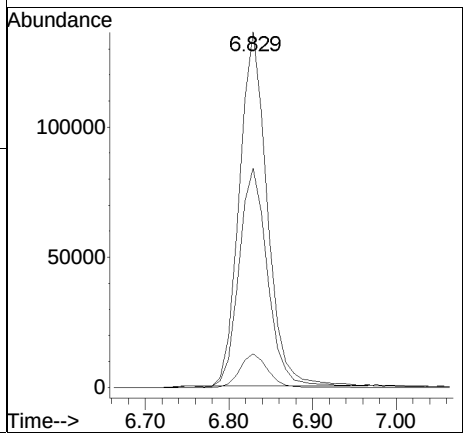


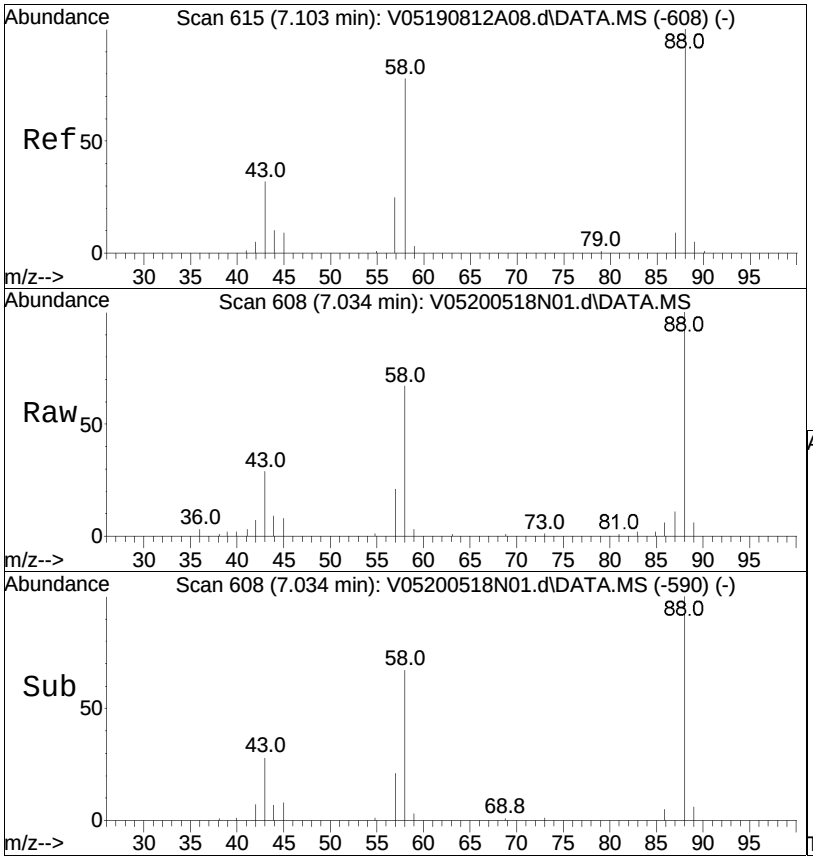


#54
Bromodichloromethane
Concen: 9.91 ug/L
RT: 6.829 min Scan# 587
Delta R.T. -0.009 min
Lab File: V05200518N01.d
Acq: 18 May 2020 6:05 pm

Tgt Ion: 83 Resp: 316108

Ion	Ratio	Lower	Upper
83	100		
85	63.1	51.0	76.6
127	9.5	6.7	10.1

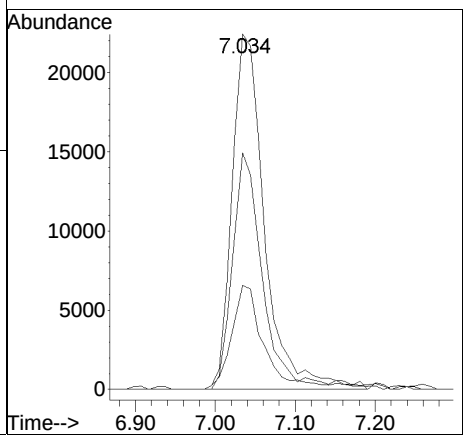


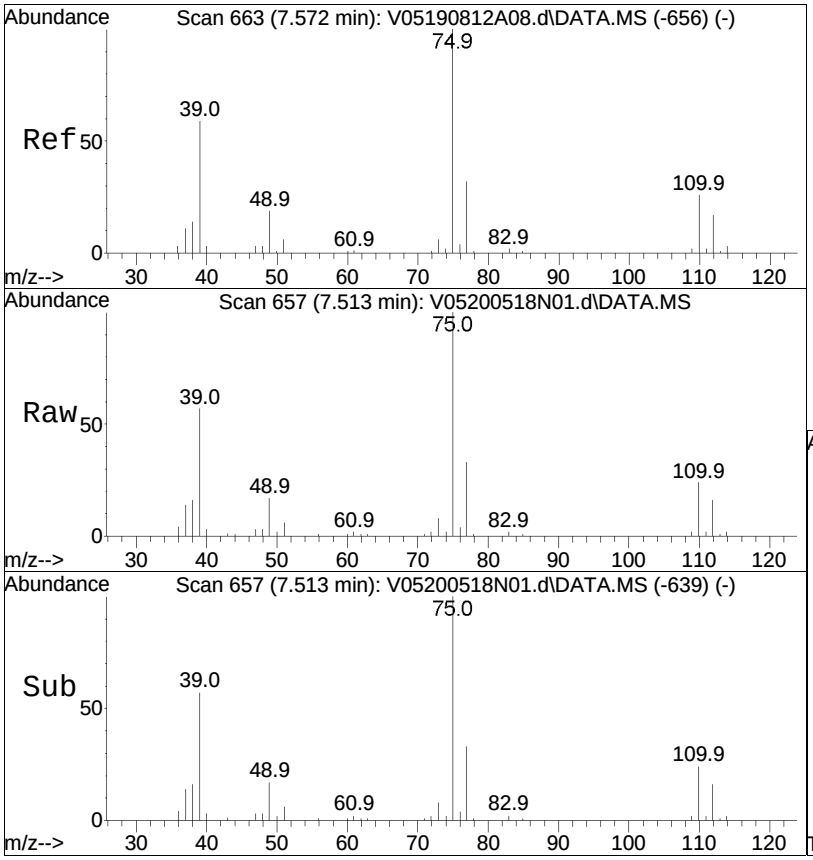


#57
1,4-Dioxane
Concen: 548.83 ug/L
RT: 7.034 min Scan# 608
Delta R.T. -0.020 min
Lab File: V05200518N01.d
Acq: 18 May 2020 6:05 pm

Tgt Ion: 88 Resp: 63573

Ion	Ratio	Lower	Upper
88	100		
58	60.8	50.6	75.8
43	28.9	20.5	30.7

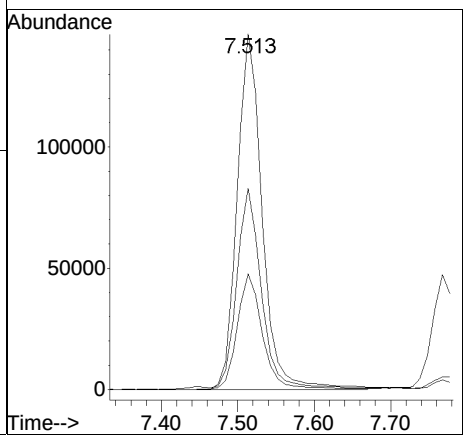


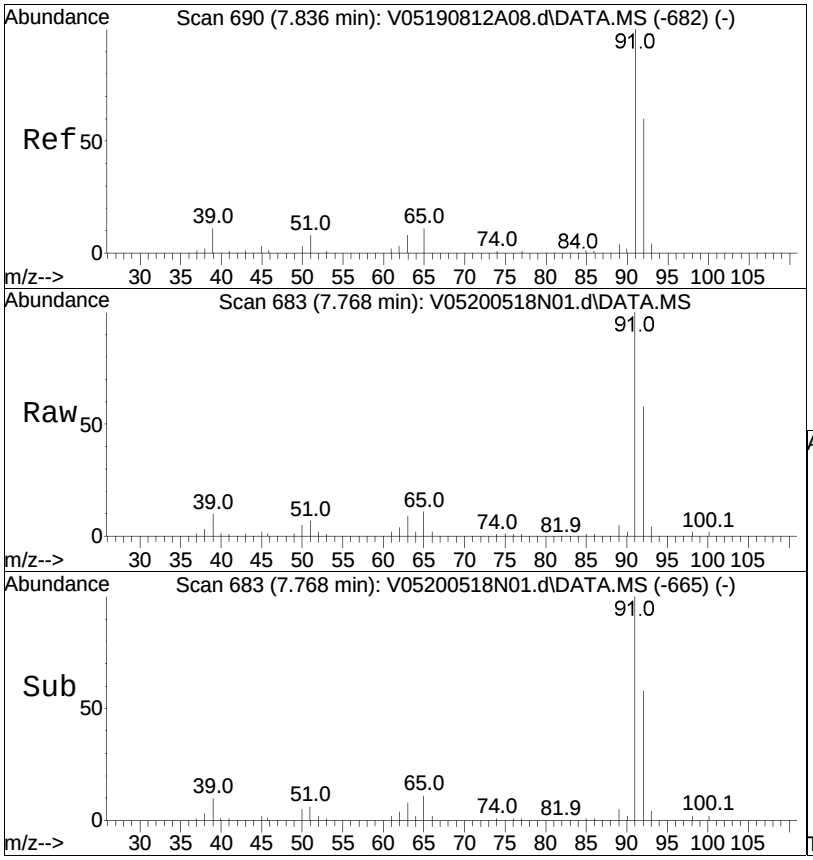


#58
cis-1,3-Dichloropropene
Concen: 8.90 ug/L
RT: 7.513 min Scan# 657
Delta R.T. -0.020 min
Lab File: V05200518N01.d
Acq: 18 May 2020 6:05 pm

Tgt Ion: 75 Resp: 335059

Ion	Ratio	Lower	Upper
75	100		
77	32.7	25.5	38.3
39	56.6	40.4	60.6

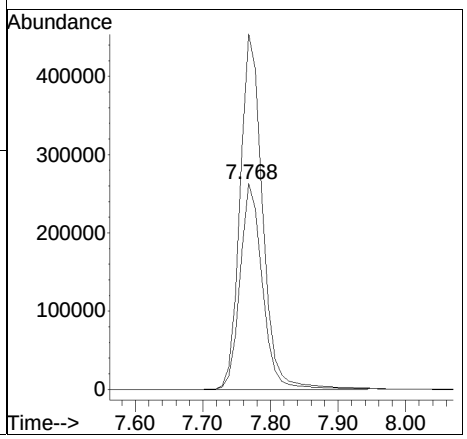


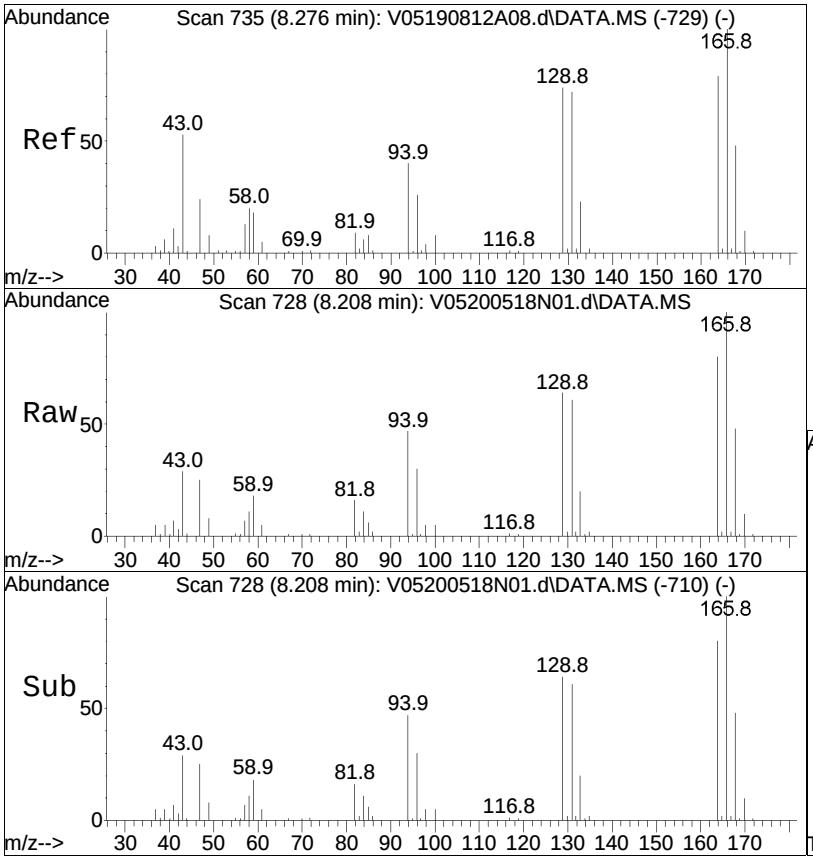


#61
Toluene
Concen: 9.68 ug/L
RT: 7.768 min Scan# 683
Delta R.T. -0.019 min
Lab File: V05200518N01.d
Acq: 18 May 2020 6:05 pm

Tgt Ion: 92 Resp: 606271

Ion	Ratio	Lower	Upper
92	100		
91	173.5	135.2	202.8

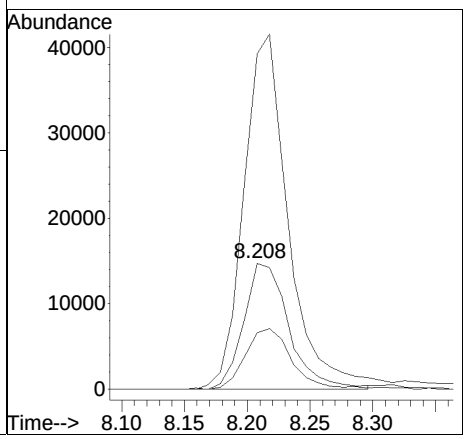


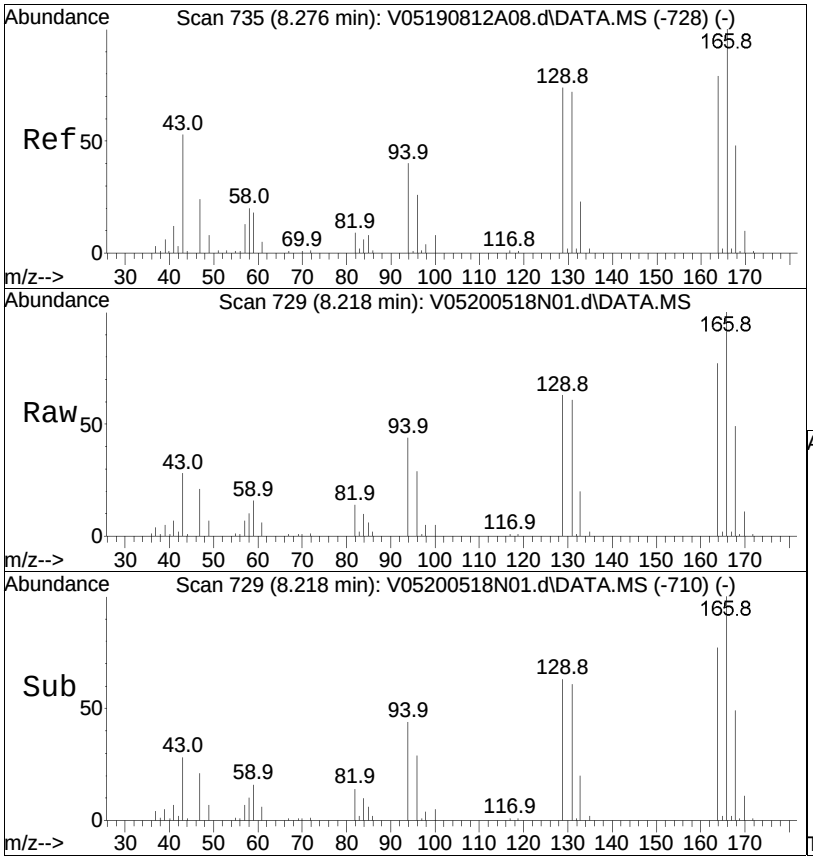


#62
4-Methyl-2-pentanone
Concen: 8.00 ug/L
RT: 8.208 min Scan# 728
Delta R.T. -0.019 min
Lab File: V05200518N01.d
Acq: 18 May 2020 6:05 pm

Tgt Ion: 58 Resp: 37193

Ion	Ratio	Lower	Upper
58	100		
100	50.6	38.9	58.3
43	285.0	204.2	306.2

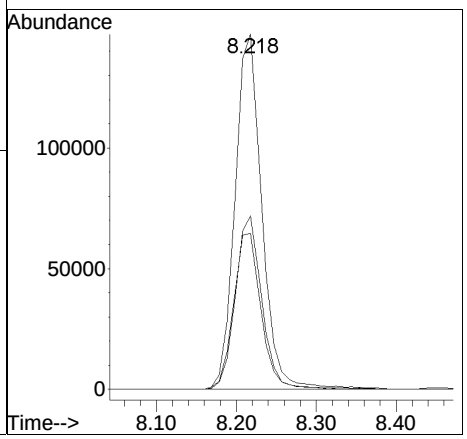


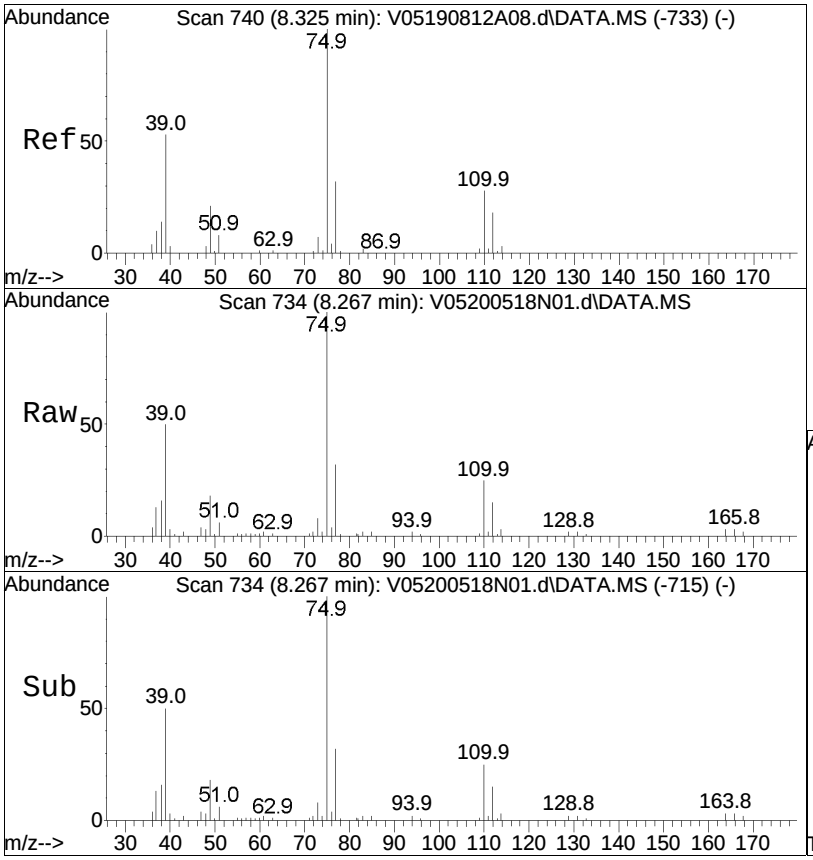


#63
Tetrachloroethene
Concen: 11.58 ug/L
RT: 8.218 min Scan# 729
Delta R.T. -0.009 min
Lab File: V05200518N01.d
Acq: 18 May 2020 6:05 pm

Tgt Ion:166 Resp: 345206

Ion	Ratio	Lower	Upper
166	100		
168	47.8	30.2	70.2
94	45.0	32.5	72.5

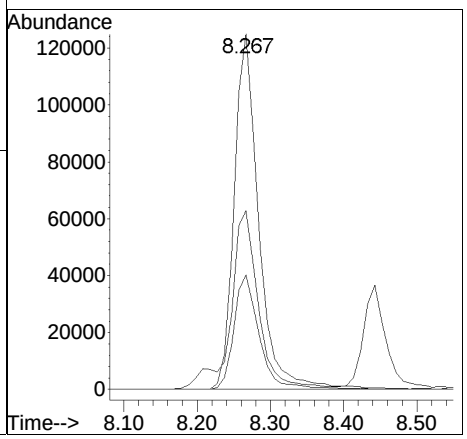


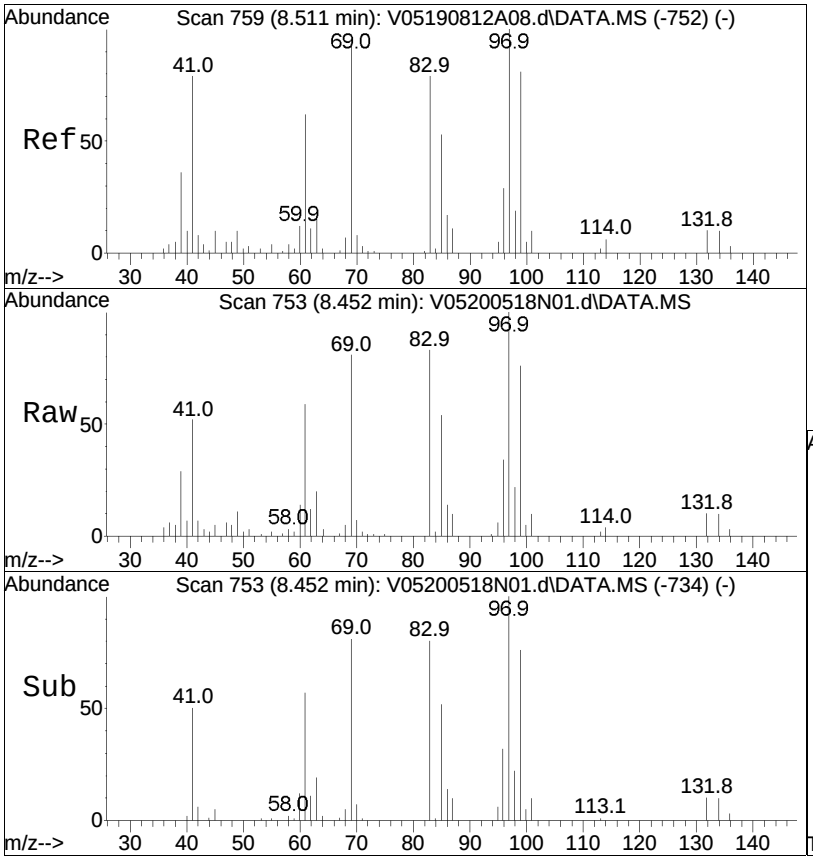


#65
trans-1,3-Dichloropropene
Concen: 9.57 ug/L
RT: 8.267 min Scan# 734
Delta R.T. -0.009 min
Lab File: V05200518N01.d
Acq: 18 May 2020 6:05 pm

Tgt Ion: 75 Resp: 291562

Ion	Ratio	Lower	Upper
75	100		
77	33.4	11.5	51.5
39	57.6	29.3	69.3

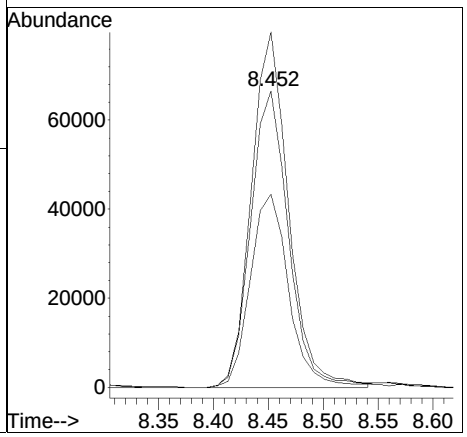


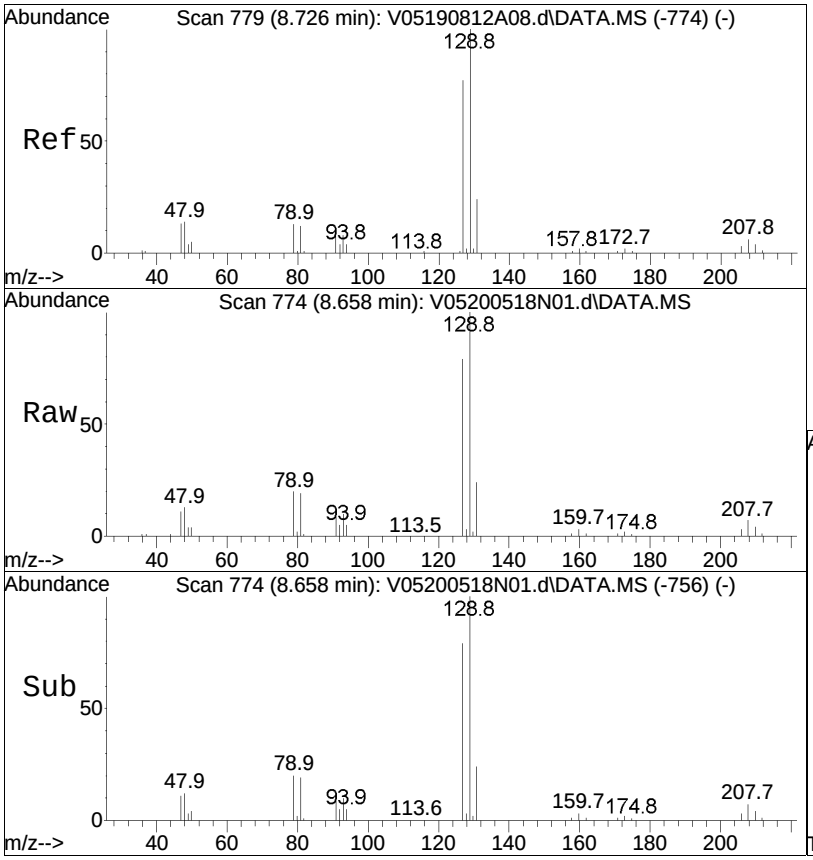


#68
1,1,2-Trichloroethane
Concen: 11.23 ug/L
RT: 8.452 min Scan# 753
Delta R.T. -0.010 min
Lab File: V05200518N01.d
Acq: 18 May 2020 6:05 pm

Tgt Ion: 83 Resp: 159651

Ion	Ratio	Lower	Upper
83	100		
97	119.7	102.2	142.2
85	67.3	47.5	87.5

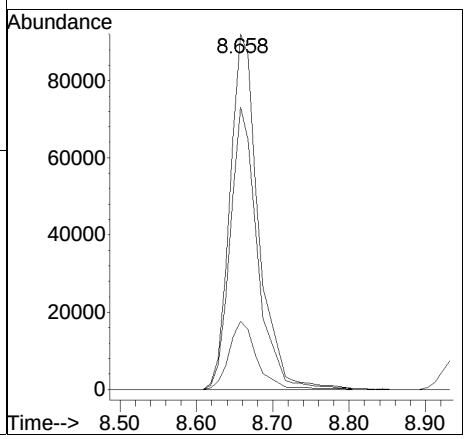


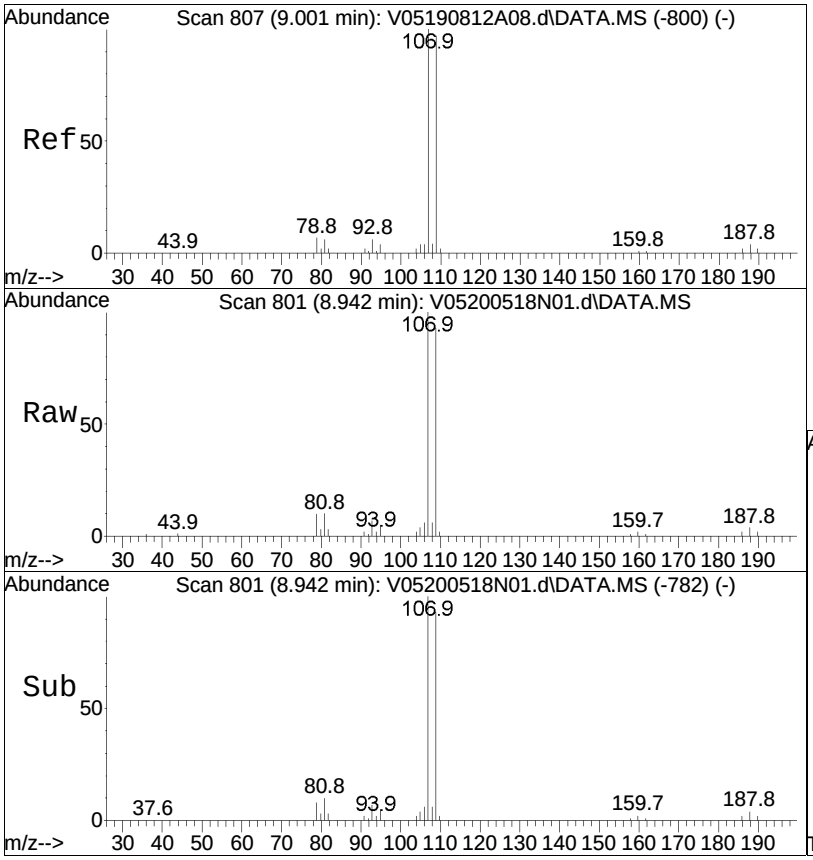


#69
Chlorodibromomethane
Concen: 10.66 ug/L
RT: 8.658 min Scan# 774
Delta R.T. -0.019 min
Lab File: V05200518N01.d
Acq: 18 May 2020 6:05 pm

Tgt Ion:129 Resp: 243127

Ion	Ratio	Lower	Upper
129	100		
81	19.0	0.0	37.0
127	76.7	58.3	98.3

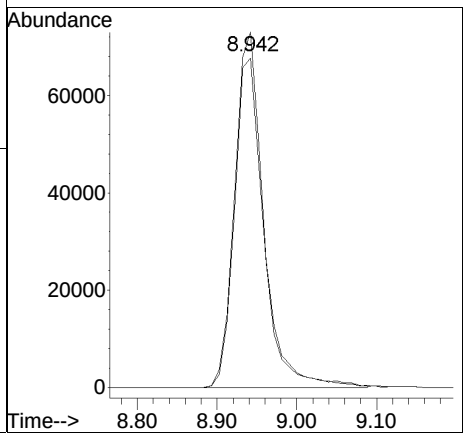


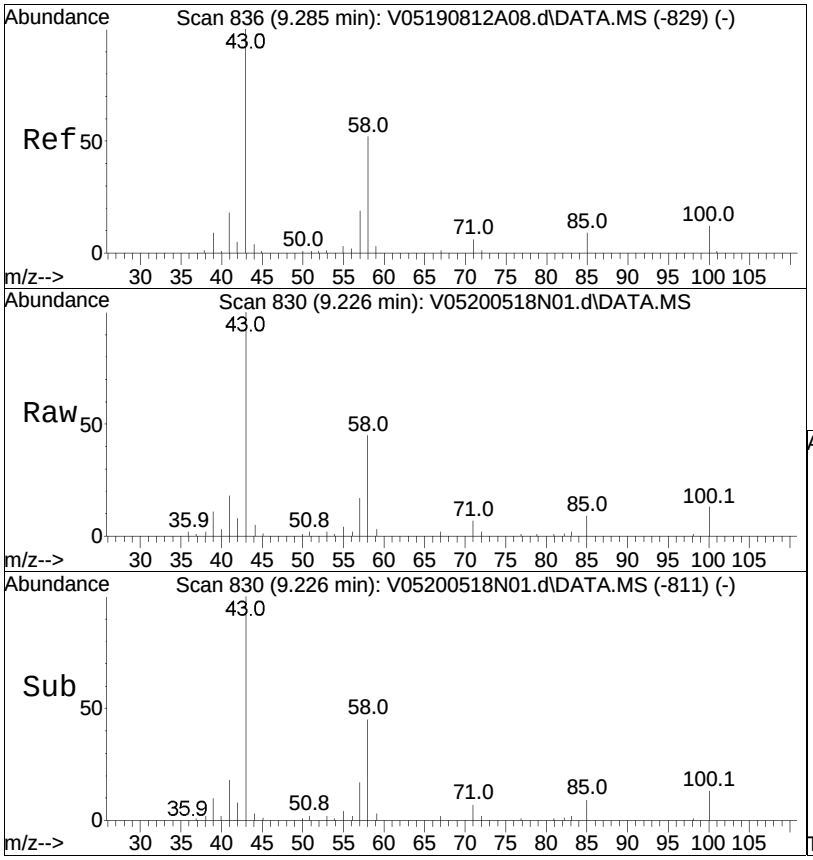


#71
1,2-Dibromoethane
Concen: 11.11 ug/L
RT: 8.942 min Scan# 801
Delta R.T. -0.010 min
Lab File: V05200518N01.d
Acq: 18 May 2020 6:05 pm

Tgt Ion:107 Resp: 185413

Ion	Ratio	Lower	Upper
107	100		
109	93.2	75.0	112.6

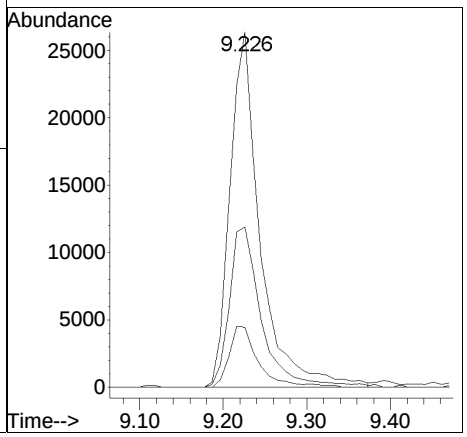


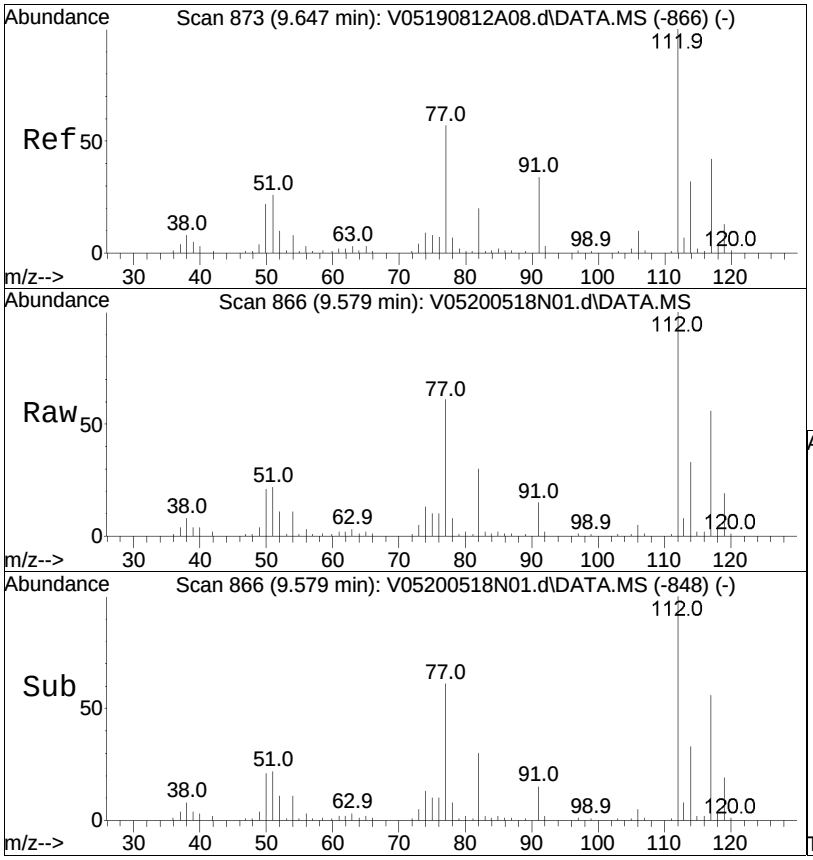


#72
2-Hexanone
Concen: 8.51 ug/L
RT: 9.226 min Scan# 830
Delta R.T. -0.010 min
Lab File: V05200518N01.d
Acq: 18 May 2020 6:05 pm

Tgt Ion: 43 Resp: 66278

Ion	Ratio	Lower	Upper
43	100		
58	47.9	42.3	63.5
57	16.8	15.6	23.4

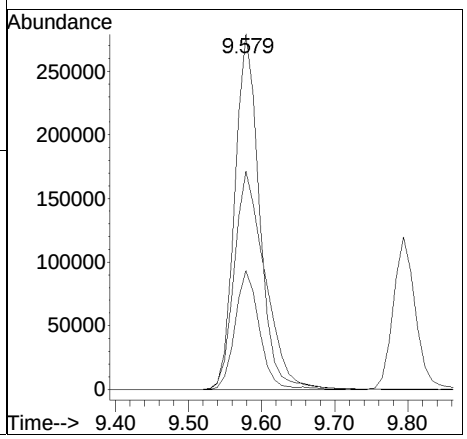


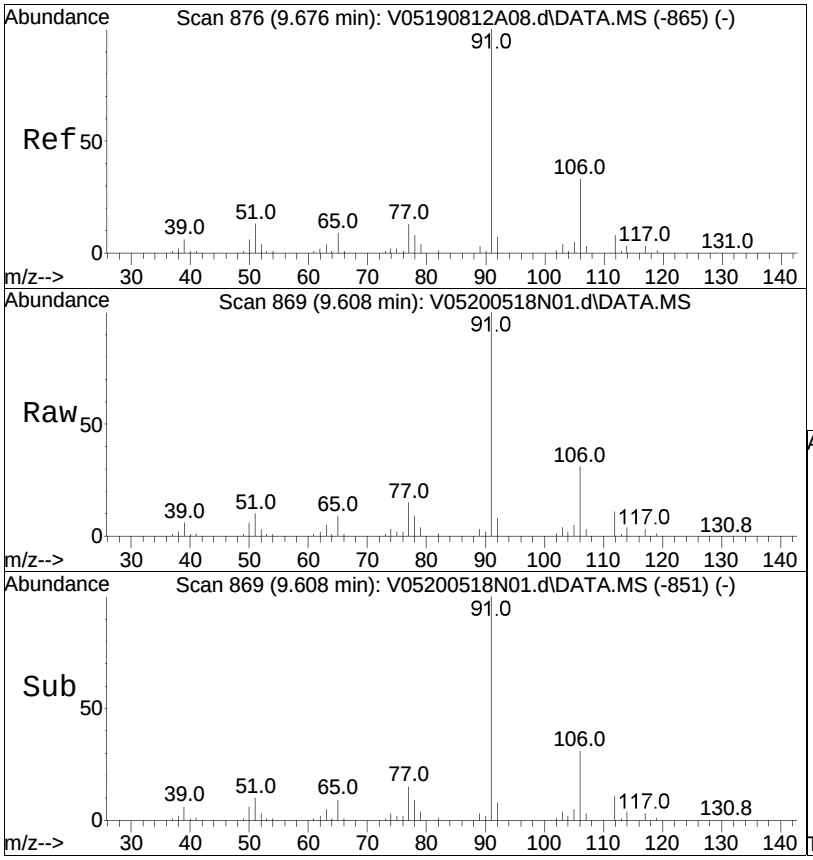


#73
Chlorobenzene
Concen: 9.75 ug/L
RT: 9.579 min Scan# 866
Delta R.T. -0.020 min
Lab File: V05200518N01.d
Acq: 18 May 2020 6:05 pm

Tgt Ion:112 Resp: 653843

Ion	Ratio	Lower	Upper
112	100		
77	76.8	66.1	99.1
114	33.1	25.4	38.0

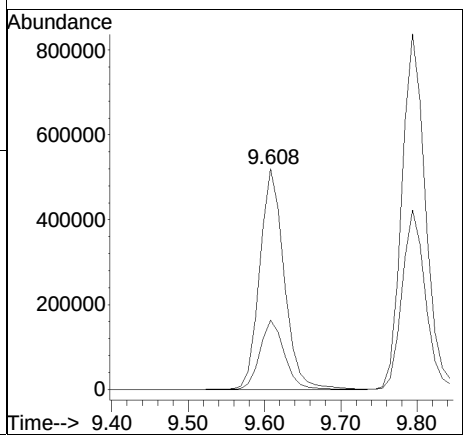


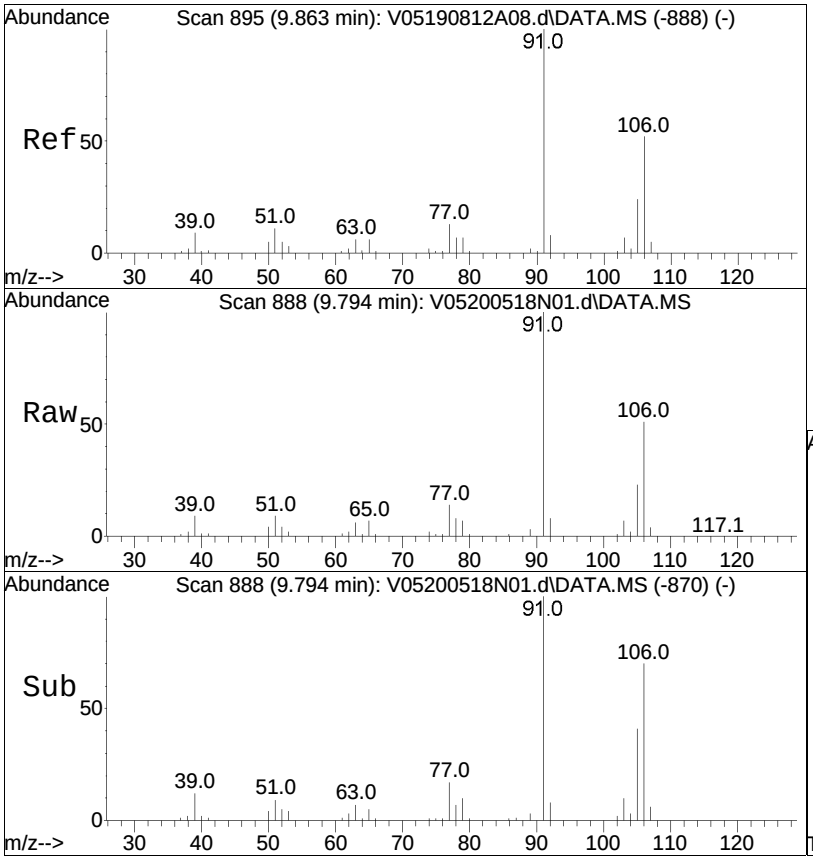


#74
Ethylbenzene
Concen: 9.81 ug/L
RT: 9.608 min Scan# 869
Delta R.T. -0.019 min
Lab File: V05200518N01.d
Acq: 18 May 2020 6:05 pm

Tgt Ion: 91 Resp: 1162489

Ion	Ratio	Lower	Upper
91	100		
106	31.3	22.9	34.3

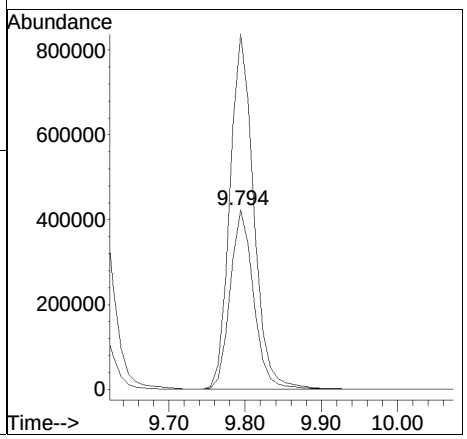


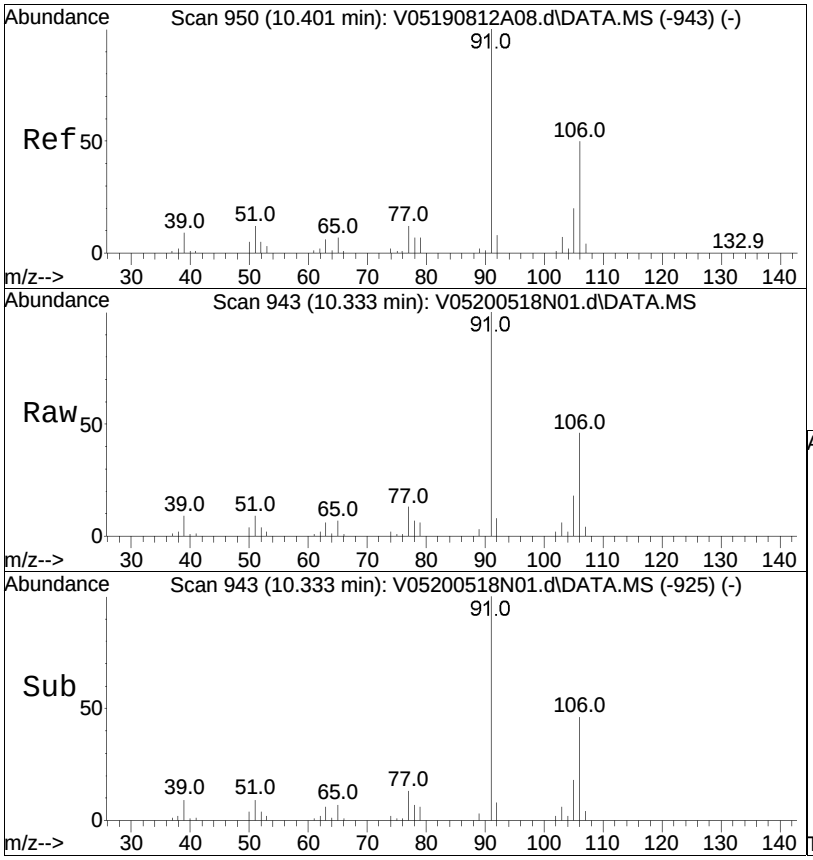


#76
p/m Xylene
Concen: 19.38 ug/L
RT: 9.794 min Scan# 888
Delta R.T. -0.020 min
Lab File: V05200518N01.d
Acq: 18 May 2020 6:05 pm

Tgt Ion:106 Resp: 905489

Ion	Ratio	Lower	Upper
106	100		
91	199.6	177.2	265.8

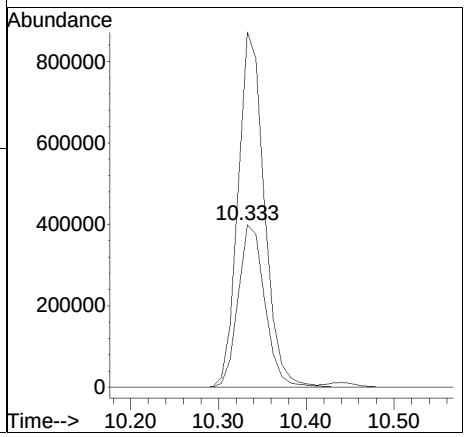


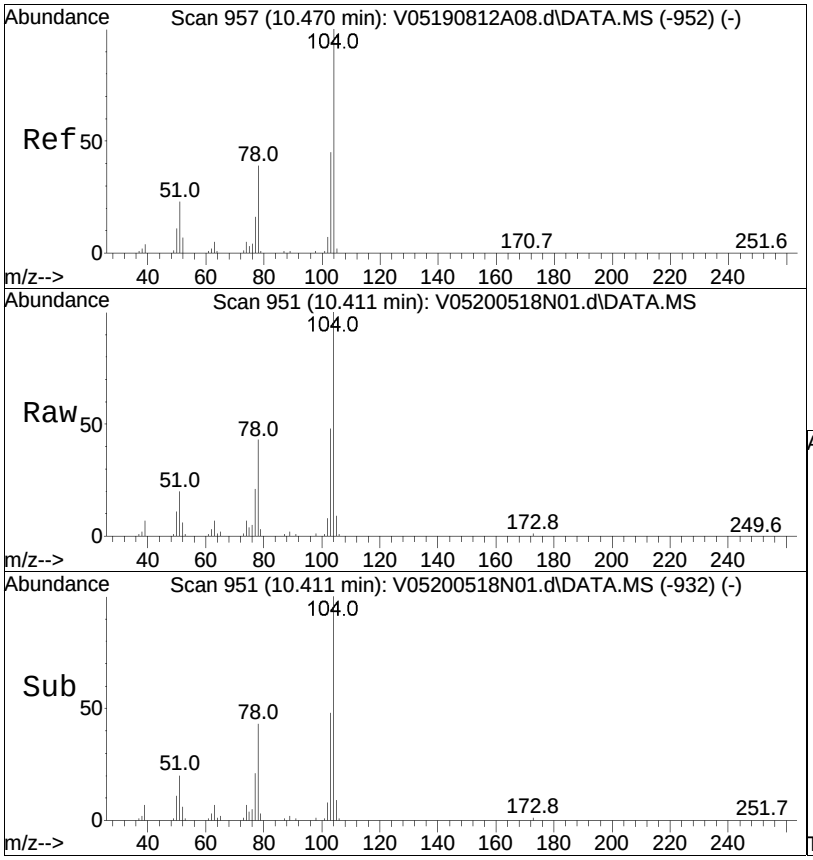


#77
o Xylene
Concen: 18.92 ug/L
RT: 10.333 min Scan# 943
Delta R.T. -0.019 min
Lab File: V05200518N01.d
Acq: 18 May 2020 6:05 pm

Tgt Ion:106 Resp: 849911

Ion	Ratio	Lower	Upper
106	100		
91	213.7	187.0	280.6

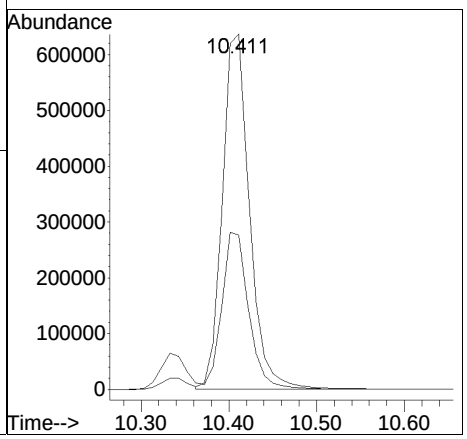


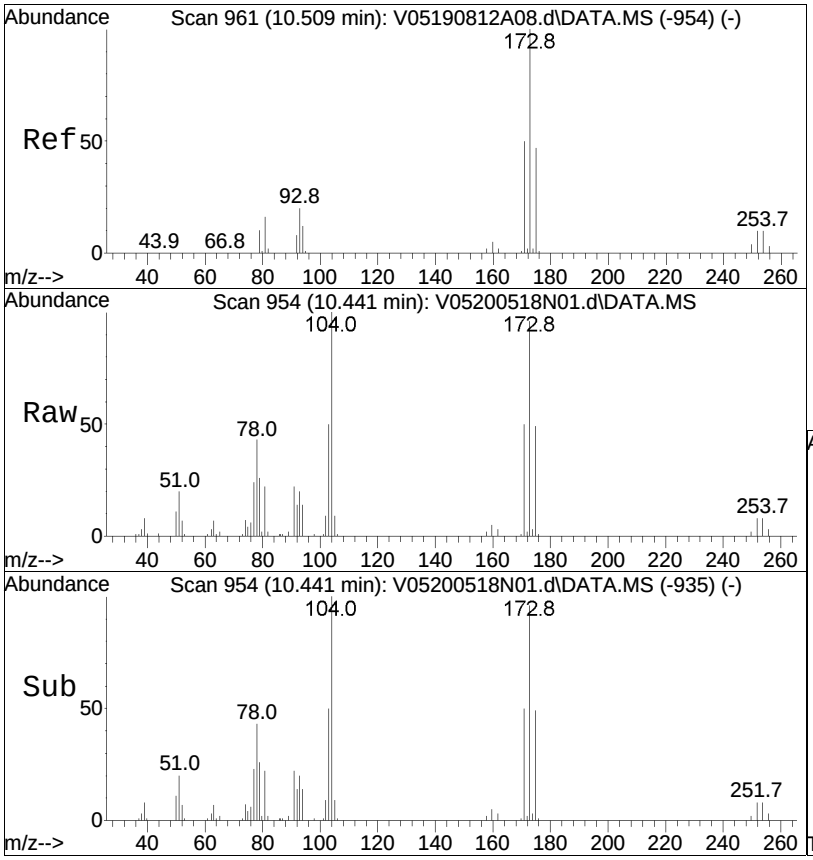


#78
Styrene
Concen: 19.55 ug/L
RT: 10.411 min Scan# 951
Delta R.T. -0.010 min
Lab File: V05200518N01.d
Acq: 18 May 2020 6:05 pm

Tgt Ion:104 Resp: 1365989

Ion	Ratio	Lower	Upper
104	100		
78	43.8	39.6	59.4

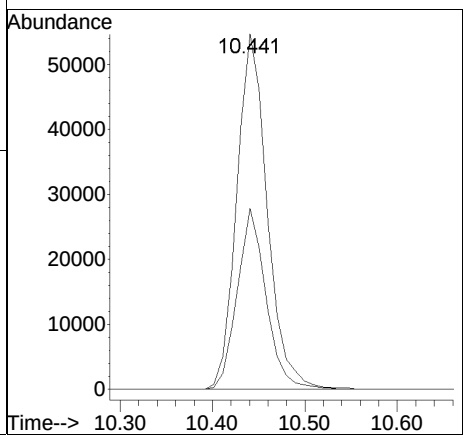


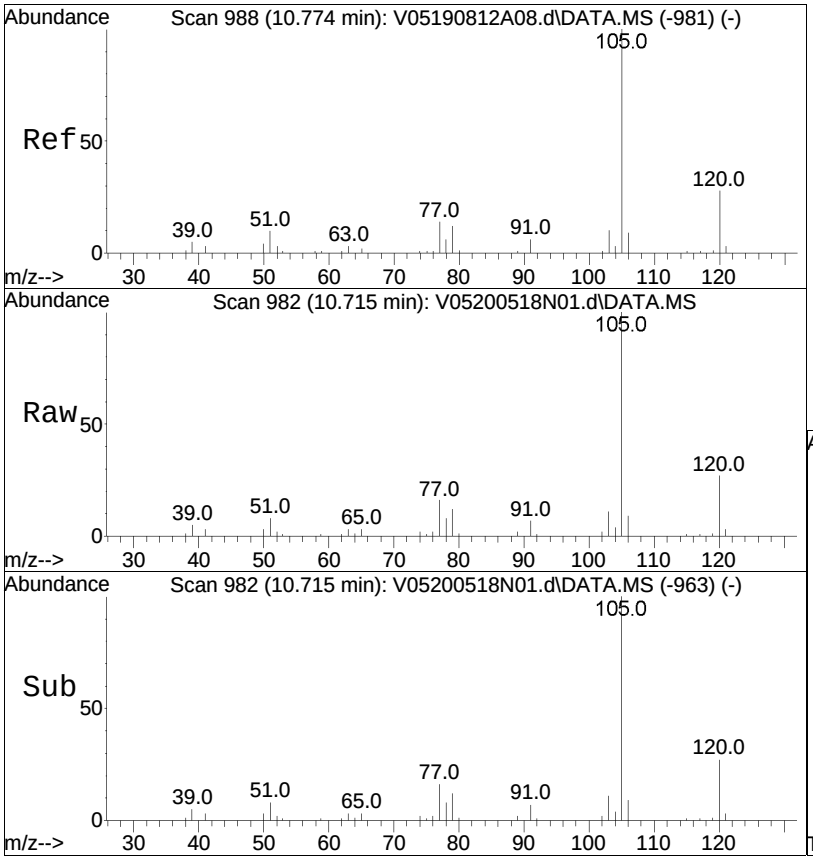


#80
Bromoform
Concen: 8.93 ug/L
RT: 10.441 min Scan# 954
Delta R.T. -0.009 min
Lab File: V05200518N01.d
Acq: 18 May 2020 6:05 pm

Tgt Ion:173 Resp: 125379

Ion	Ratio	Lower	Upper
173	100		
175	48.3	26.6	66.6

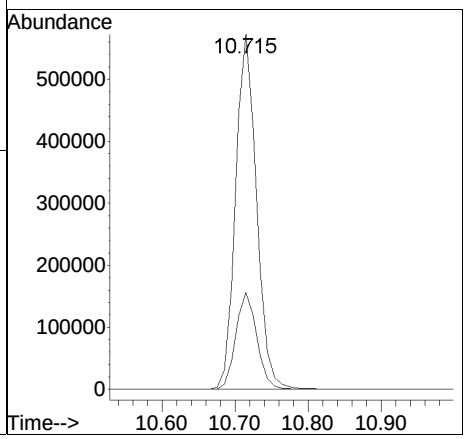


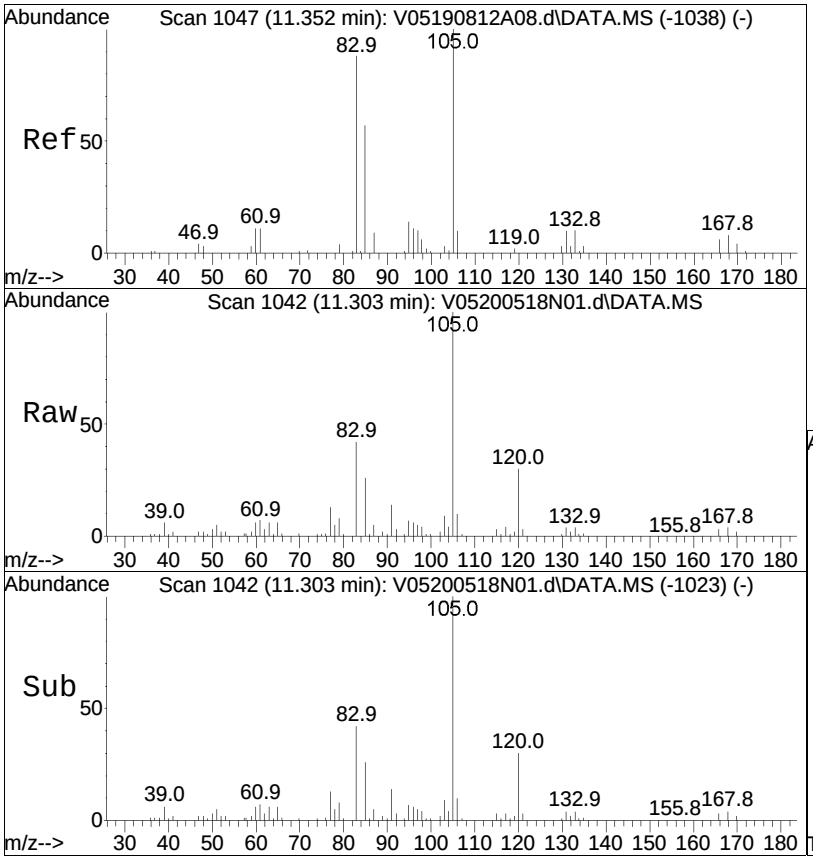


#82
Isopropylbenzene
Concen: 7.93 ug/L
RT: 10.715 min Scan# 982
Delta R.T. -0.010 min
Lab File: V05200518N01.d
Acq: 18 May 2020 6:05 pm

Tgt Ion:105 Resp: 1139114

Ion	Ratio	Lower	Upper
105	100		
120	27.4	4.8	44.8

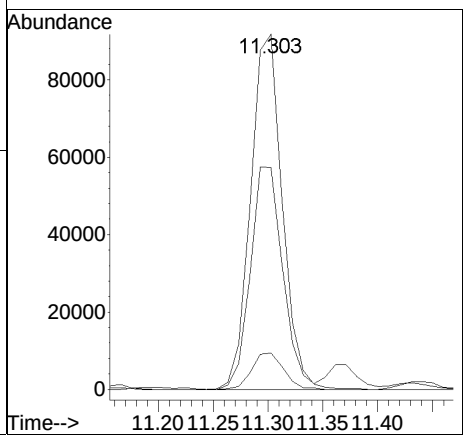


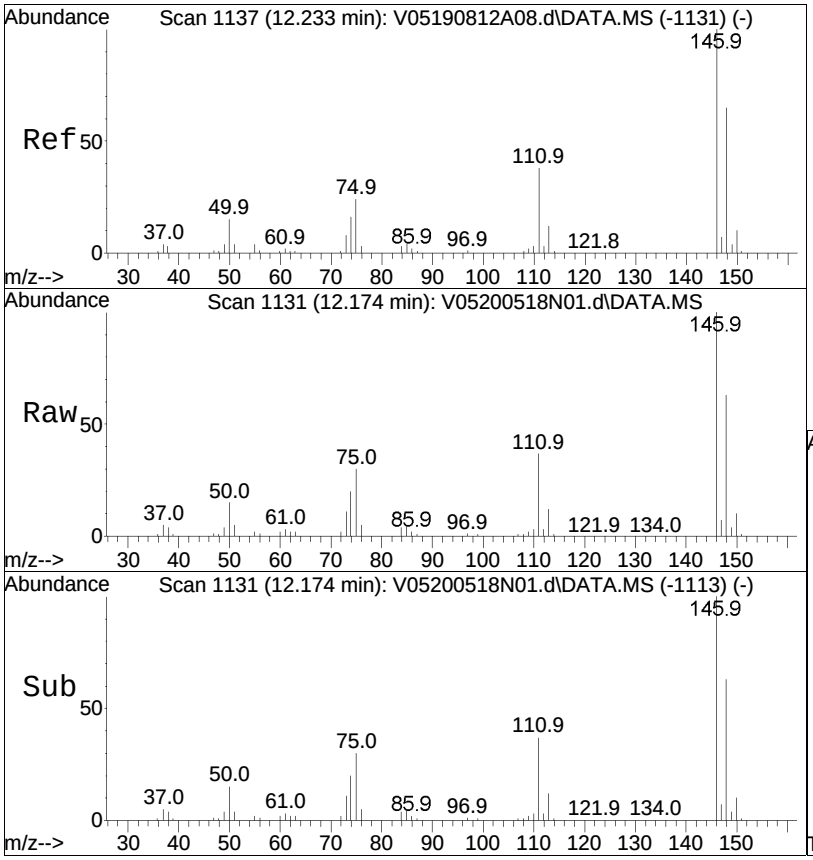


#87
1,1,2,2-Tetrachloroethane
Concen: 8.63 ug/L
RT: 11.303 min Scan# 1042
Delta R.T. -0.010 min
Lab File: V05200518N01.d
Acq: 18 May 2020 6:05 pm

Tgt Ion: 83 Resp: 184392

Ion	Ratio	Lower	Upper
83	100		
131	10.4	0.0	30.4
85	64.2	46.4	86.4

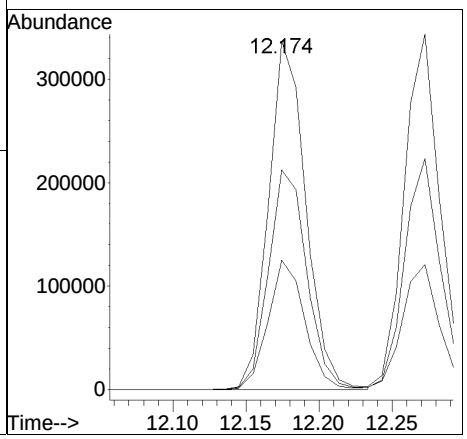


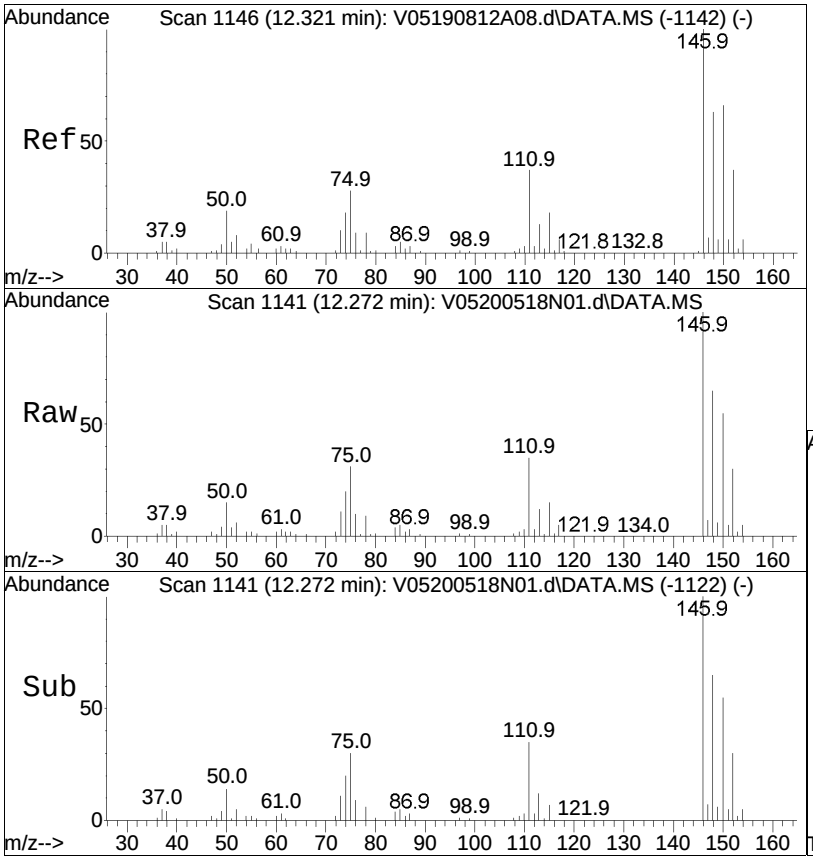


#100
1,3-Dichlorobenzene
Concen: 9.46 ug/L
RT: 12.174 min Scan# 1131
Delta R.T. -0.020 min
Lab File: V05200518N01.d
Acq: 18 May 2020 6:05 pm

Tgt Ion:146 Resp: 597613

Ion	Ratio	Lower	Upper
146	100		
111	36.4	28.0	58.1
148	64.7	41.6	86.4

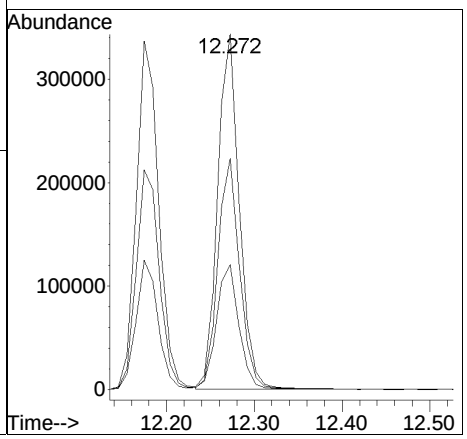


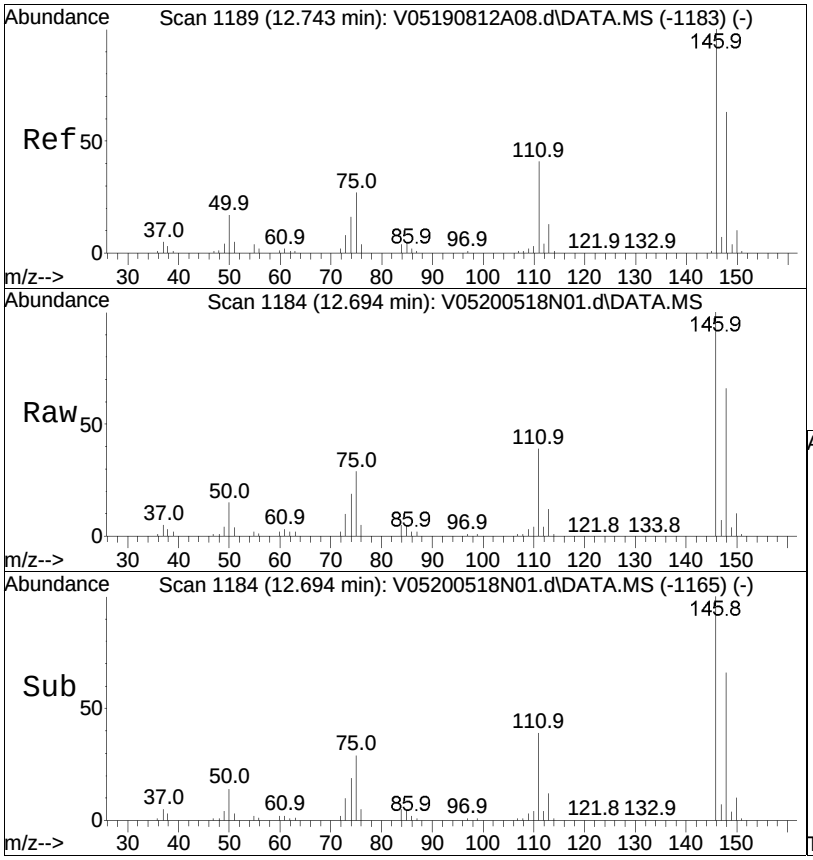


#101
1,4-Dichlorobenzene
Concen: 9.31 ug/L
RT: 12.272 min Scan# 1141
Delta R.T. -0.010 min
Lab File: V05200518N01.d
Acq: 18 May 2020 6:05 pm

Tgt Ion:146 Resp: 590843

Ion	Ratio	Lower	Upper
146	100		
111	36.8	33.8	50.6
148	65.6	51.0	76.6

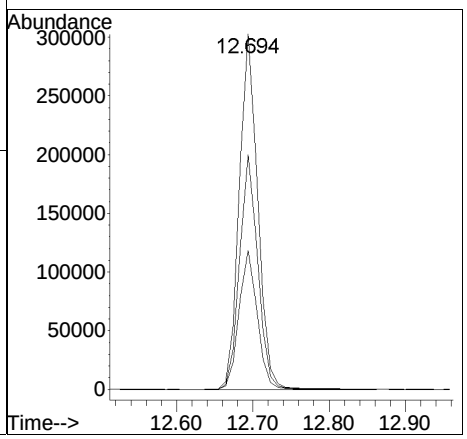


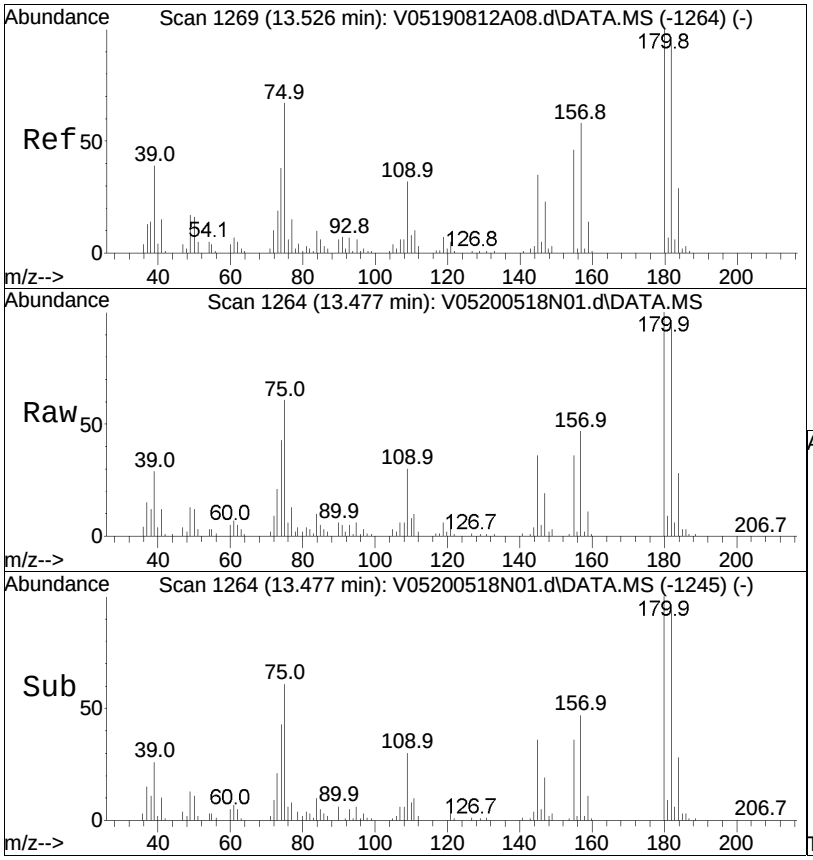


#104
1,2-Dichlorobenzene
Concen: 9.19 ug/L
RT: 12.694 min Scan# 1184
Delta R.T. -0.010 min
Lab File: V05200518N01.d
Acq: 18 May 2020 6:05 pm

Tgt Ion:146 Resp: 512243

Ion	Ratio	Lower	Upper
146	100		
111	38.8	29.1	60.5
148	64.9	41.7	86.7

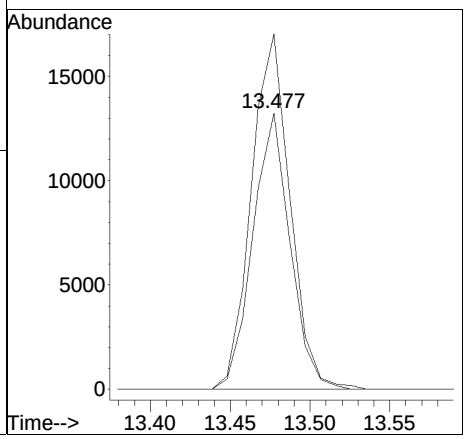


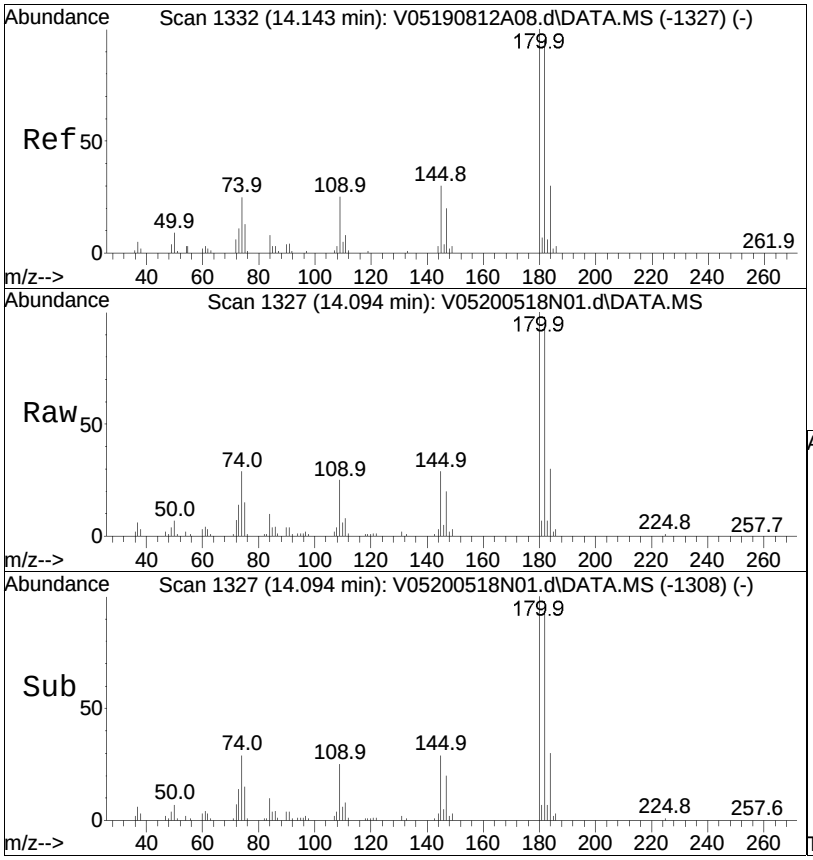


#106
1,2-Dibromo-3-chloropropane
Concen: 7.63 ug/L
RT: 13.477 min Scan# 1264
Delta R.T. -0.010 min
Lab File: V05200518N01.d
Acq: 18 May 2020 6:05 pm

Tgt Ion:155 Resp: 21561

Ion	Ratio	Lower	Upper
155	100		
157	133.2	105.0	157.6

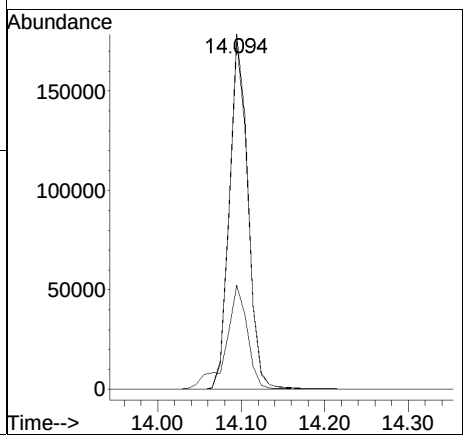


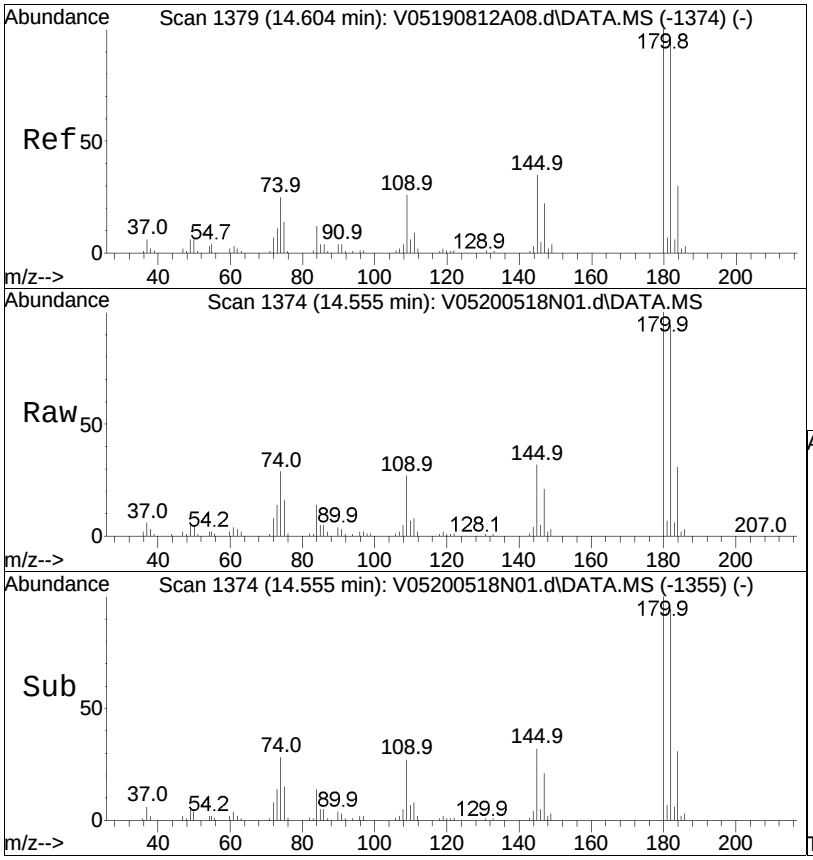


#109
1,2,4-Trichlorobenzene
Concen: 8.07 ug/L
RT: 14.094 min Scan# 1327
Delta R.T. -0.010 min
Lab File: V05200518N01.d
Acq: 18 May 2020 6:05 pm

Tgt Ion:180 Resp: 279863

Ion	Ratio	Lower	Upper
180	100		
182	96.8	75.2	112.8
145	34.0	27.4	41.2

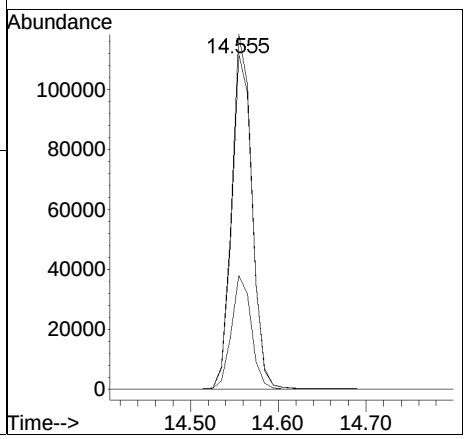




#111
1,2,3-Trichlorobenzene
Concen: 7.22 ug/L
RT: 14.555 min Scan# 1374
Delta R.T. -0.010 min
Lab File: V05200518N01.d
Acq: 18 May 2020 6:05 pm

Tgt Ion:180 Resp: 191313

Ion	Ratio	Lower	Upper
180	100		
182	96.0	75.5	113.3
145	31.6	26.5	39.7

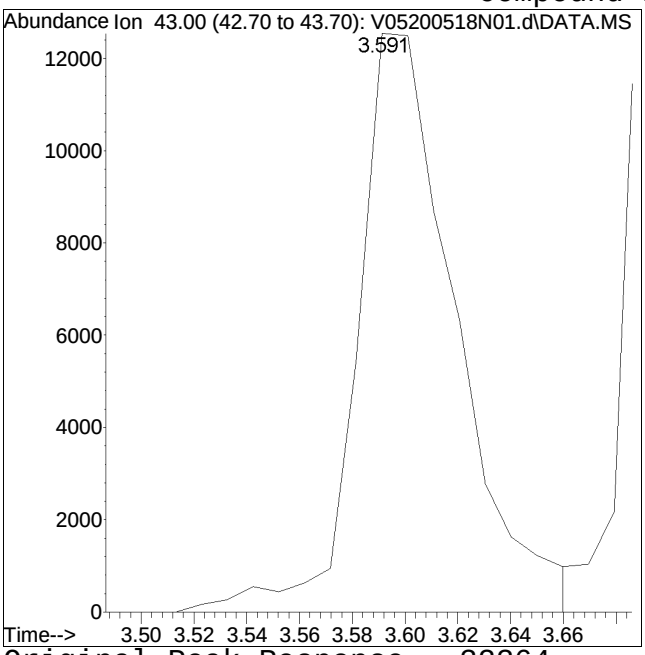


Manual Integration Report

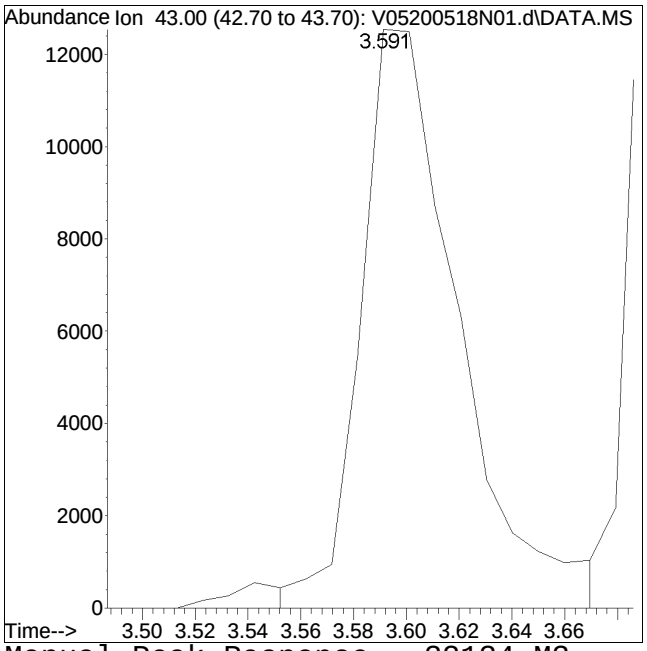
Data Path : I:\VOLATILES\VOA105\2020\2Q
Data File : V05200518N01.d
Date Inj'd : 5/18/2020 6:05 pm
Sample : WG1372229-3,31,10,10

Method : V105_200313N_8260.m
Operator : VOA105:AJK
Instrument : VOA 105
Quant Date : 5/18/2020 6:31 pm

Compound #17: Acetone



Original Peak Response = 32364



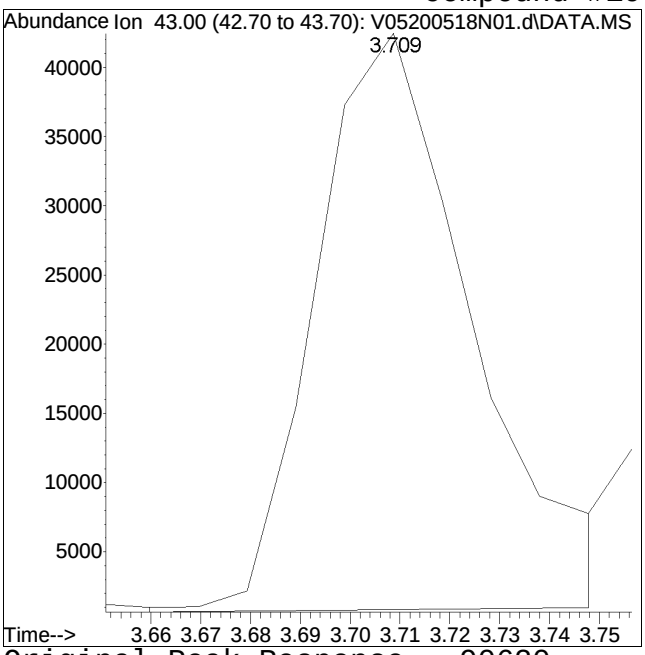
Manual Peak Response = 32134 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

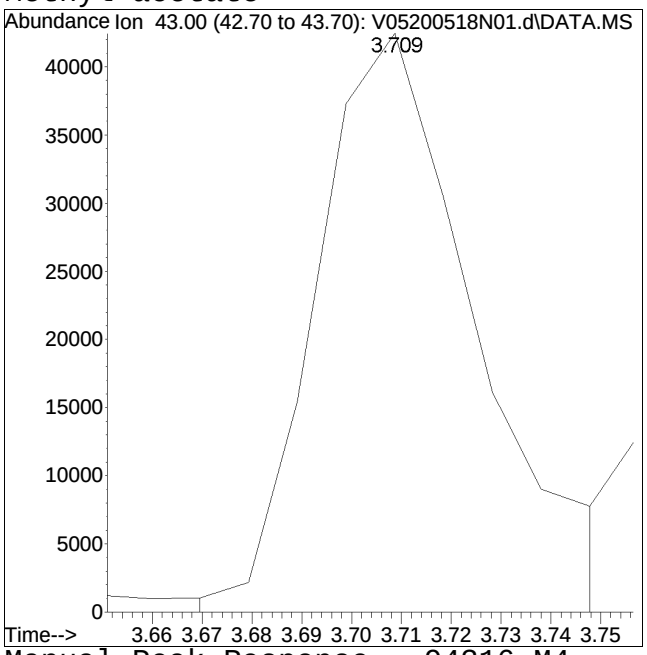
Manual Integration Report

Data Path : I:\VOLATILES\VOA105\2020\2QMethod : V105_200313N_8260.m
Data File : V05200518N01.d Operator : VOA105:AJK
Date Inj'd : 5/18/2020 6:05 pm Instrument : VOA 105
Sample : WG1372229-3,31,10,10 Quant Date : 5/18/2020 6:31 pm

Compound #19: Methyl acetate



Original Peak Response = 90620



Manual Peak Response = 94316 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2020\200519A\
Data File : VE200519A02.D
Acq On : 19 May 2020 9:05 am
Operator : ELAINE:PD
Sample : WG1372327-3,31,10,10
Misc : WG1372327,ICAL16716
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 19 10:53:45 2020
Quant Method : I:\VOLATILES\Elaine\2020\200519A\Elaine_200421N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 22 18:53:41 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2020\200519A\VE200519A02.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.490	96	211540	10.000	ug/L	0.00
Standard Area 1 = 211540			Recovery = 100.00%			
59) Chlorobenzene-d5	8.497	117	159928	10.000	ug/L	0.00
Standard Area 1 = 159928			Recovery = 100.00%			
79) 1,4-Dichlorobenzene-d4	9.986	152	80793	10.000	ug/L	0.00
Standard Area 1 = 80793			Recovery = 100.00%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.502	113	48434	9.637	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.37%			
43) 1,2-Dichloroethane-d4	5.145	65	54211	9.101	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 91.01%			
60) Toluene-d8	7.195	98	208781	9.664	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.64%			
83) 4-Bromofluorobenzene	9.318	95	72803	9.400	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.00%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.938	85	35455	10.224	ug/L	99
3) Chloromethane	1.060	50	43910	8.326	ug/L	98
4) Vinyl chloride	1.113	62	48365	9.967	ug/L	98
5) Bromomethane	1.319	94	18955	7.254	ug/L	99
6) Chloroethane	1.400	64	30970	11.075	ug/L	95
7) Trichlorofluoromethane	1.497	101	49302M1	9.331	ug/L	
10) 1,1-Dichloroethene	1.864	96	29829	8.547	ug/L #	76
11) Carbon disulfide	1.867	76	74852	9.436	ug/L	99
12) Freon-113	1.906	101	35312M1	9.910	ug/L	
15) Methylene chloride	2.354	84	35344	8.870	ug/L	87
17) Acetone	2.412	43	7779M1	8.070	ug/L	
18) trans-1,2-Dichloroethene	2.496	96	35087	10.038	ug/L	80
19) Methyl acetate	2.543	43	24797	8.572	ug/L	98
20) Methyl tert-butyl ether	2.621	73	90941M1	8.419	ug/L	
23) 1,1-Dichloroethane	3.136	63	73256M1	9.540	ug/L	
28) cis-1,2-Dichloroethene	3.826	96	38635	8.781	ug/L #	77
30) Bromochloromethane	4.101	128	18649M1	9.715	ug/L	
31) Cyclohexane	4.057	56	77111	9.467	ug/L	83
32) Chloroform	4.263	83	59672	8.786	ug/L	96
34) Carbon tetrachloride	4.374	117	44124	8.484	ug/L	97

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2020\200519A\
Data File : VE200519A02.D
Acq On : 19 May 2020 9:05 am
Operator : ELAINE:PD
Sample : WG1372327-3,31,10,10
Misc : WG1372327,ICAL16716
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 19 10:53:45 2020
Quant Method : I:\VOLATILES\Elaine\2020\200519A\Elaine_200421N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 22 18:53:41 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2020\200519A\VE200519A02.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) 1,1,1-Trichloroethane	4.477	97	49817	8.206	ug/L		97
39) 2-Butanone	4.699	43	13238M1	8.302	ug/L		
41) Benzene	4.964	78	151488	9.052	ug/L		92
44) 1,2-Dichloroethane	5.228	62	46025	8.732	ug/L		97
47) Methyl cyclohexane	5.634	83	65650	9.395	ug/L		80
48) Trichloroethene	5.682	95	35558	8.673	ug/L		86
51) 1,2-Dichloropropane	6.249	63	42394	9.472	ug/L	#	92
54) Bromodichloromethane	6.358	83	43514	8.560	ug/L		98
57) 1,4-Dioxane	6.583	88	10792	374.340	ug/L	#	83
58) cis-1,3-Dichloropropene	7.017	75	57011	8.632	ug/L		93
61) Toluene	7.242	92	97680	9.237	ug/L		93
62) 4-Methyl-2-pentanone	7.657	58	11109	7.989	ug/L	#	96
63) Tetrachloroethene	7.596	166	38551	8.670	ug/L		85
65) trans-1,3-Dichloropropene	7.674	75	45737	7.592	ug/L		99
68) 1,1,2-Trichloroethane	7.804	83	23736	8.552	ug/L		93
69) Chlorodibromomethane	7.935	129	32811	8.622	ug/L		94
71) 1,2-Dibromoethane	8.097	107	27176	8.442	ug/L		98
72) 2-Hexanone	8.339	43	18809	7.249	ug/L		96
73) Chlorobenzene	8.508	112	108681	9.619	ug/L	#	88
74) Ethylbenzene	8.547	91	178586	9.292	ug/L		96
76) p/m Xylene	8.656	106	142664	18.630	ug/L		88
77) o Xylene	8.940	106	138450	18.891	ug/L		84
78) Styrene	8.976	104	225706	18.921	ug/L	#	84
80) Bromoform	8.981	173	17759	7.759	ug/L		97
82) Isopropylbenzene	9.148	105	176456	9.299	ug/L		94
87) 1,1,2,2-Tetrachloroethane	9.463	83	32123	8.715	ug/L		98
100) 1,3-Dichlorobenzene	9.941	146	84461	9.542	ug/L		97
101) 1,4-Dichlorobenzene	9.994	146	83564	9.428	ug/L		97
104) 1,2-Dichlorobenzene	10.236	146	77713	9.352	ug/L		98
106) 1,2-Dibromo-3-chloropr...	10.692	155	4395	6.900	ug/L		86
109) 1,2,4-Trichlorobenzene	11.065	180	51130	8.917	ug/L		99
111) 1,2,3-Trichlorobenzene	11.346	180	43456	8.331	ug/L		97

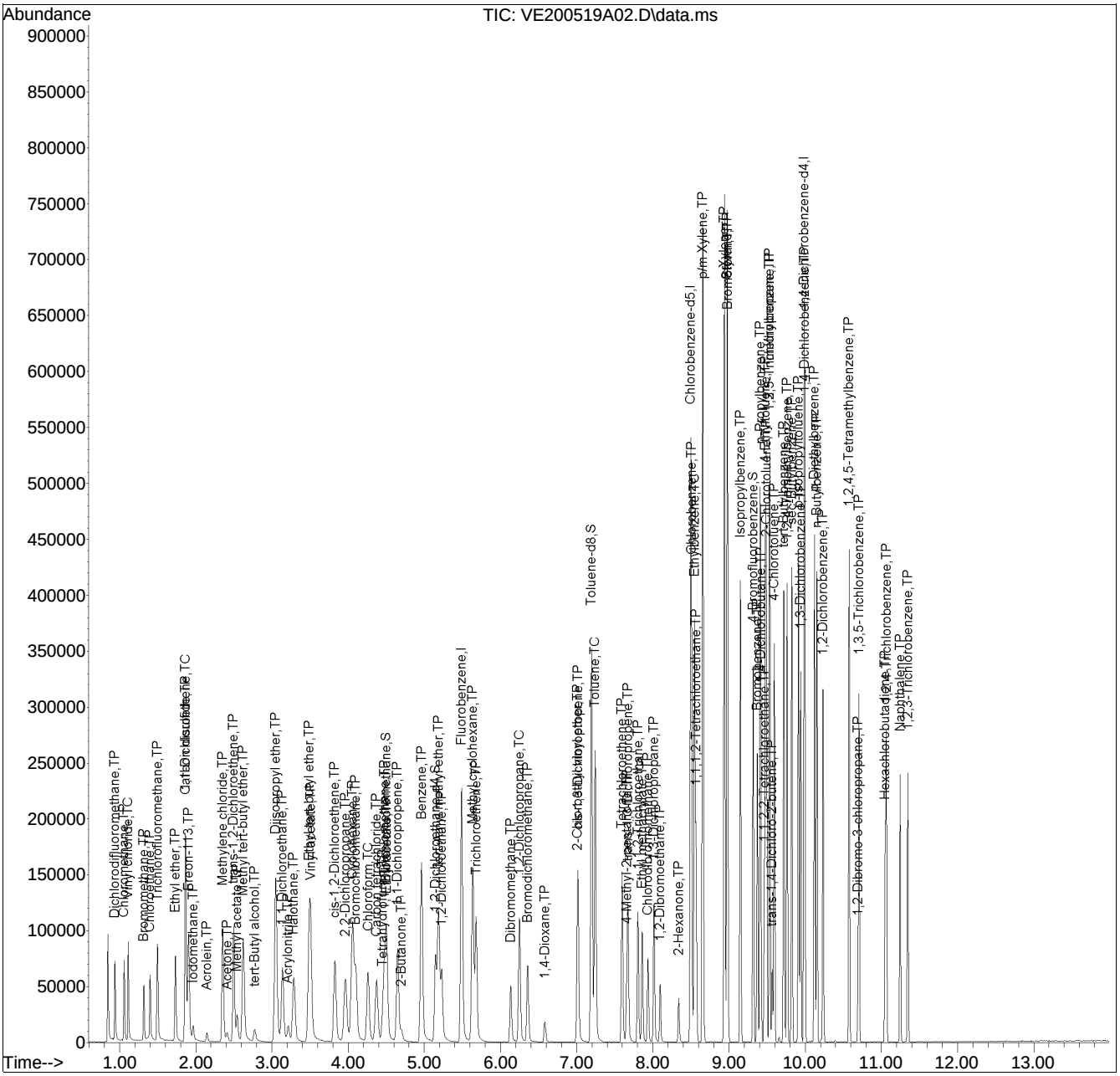
(#) = qualifier out of range (m) = manual integration (+) = signals summed

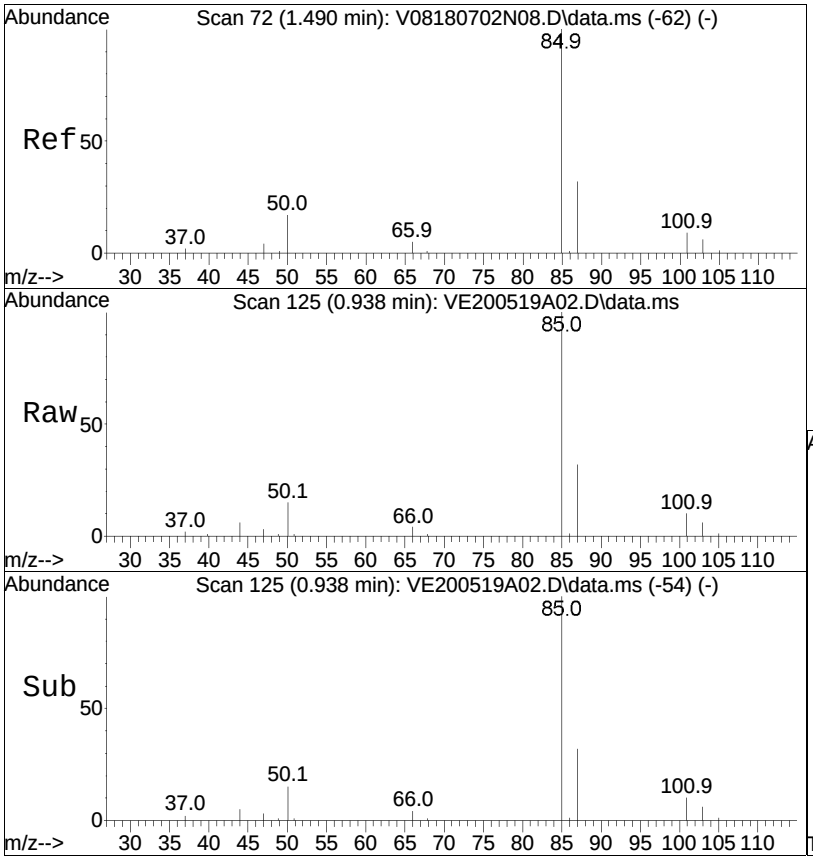
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2020\200519A\
Data File : VE200519A02.D
Acq On : 19 May 2020 9:05 am
Operator : ELAINE:PD
Sample : WG1372327-3,31,10,10
Misc : WG1372327,ICAL16716
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 19 10:53:45 2020
Quant Method : I:\VOLATILES\Elaine\2020\200519A\Elaine_200421N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 22 18:53:41 2020
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox00519A\VE200519A02.D•

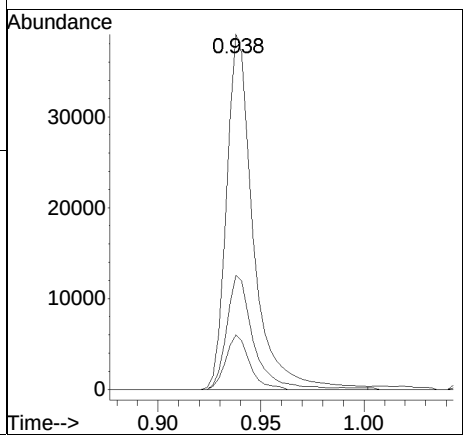


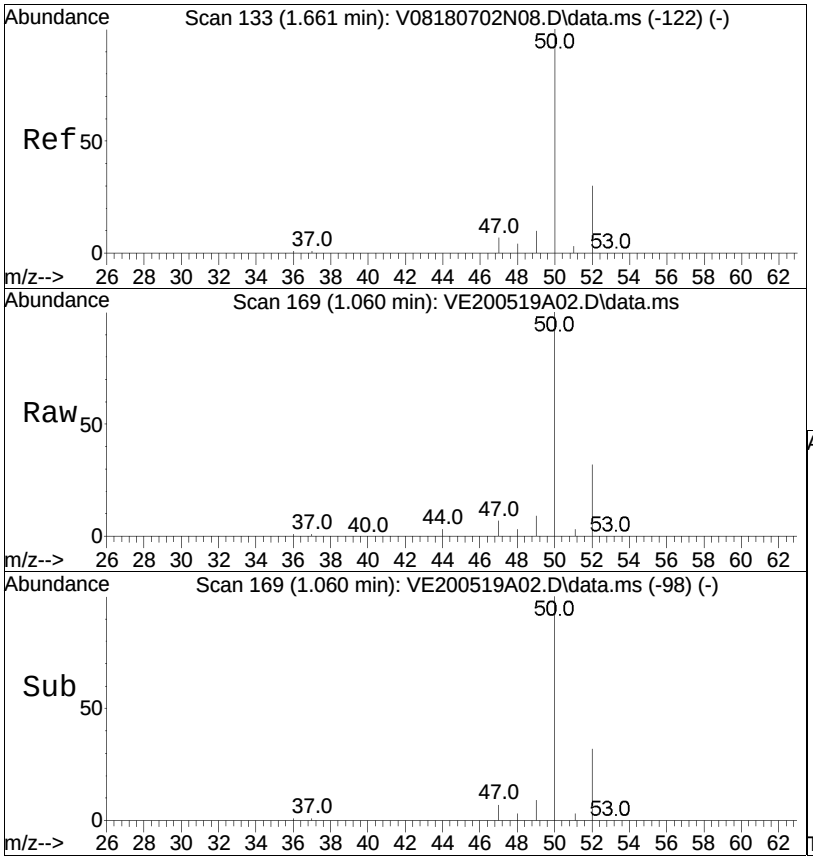


#2
Dichlorodifluoromethane
Concen: 10.22 ug/L
RT: 0.938 min Scan# 125
Delta R.T. -0.003 min
Lab File: VE200519A02.D
Acq: 19 May 2020 9:05 am

Tgt Ion: 85 Resp: 35455

Ion	Ratio	Lower	Upper
85	100		
87	31.8	21.0	43.6
50	13.5	8.9	18.5

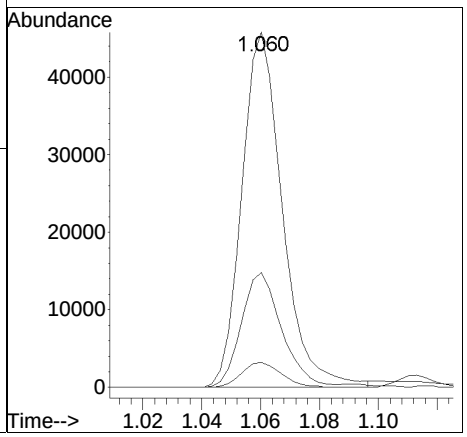


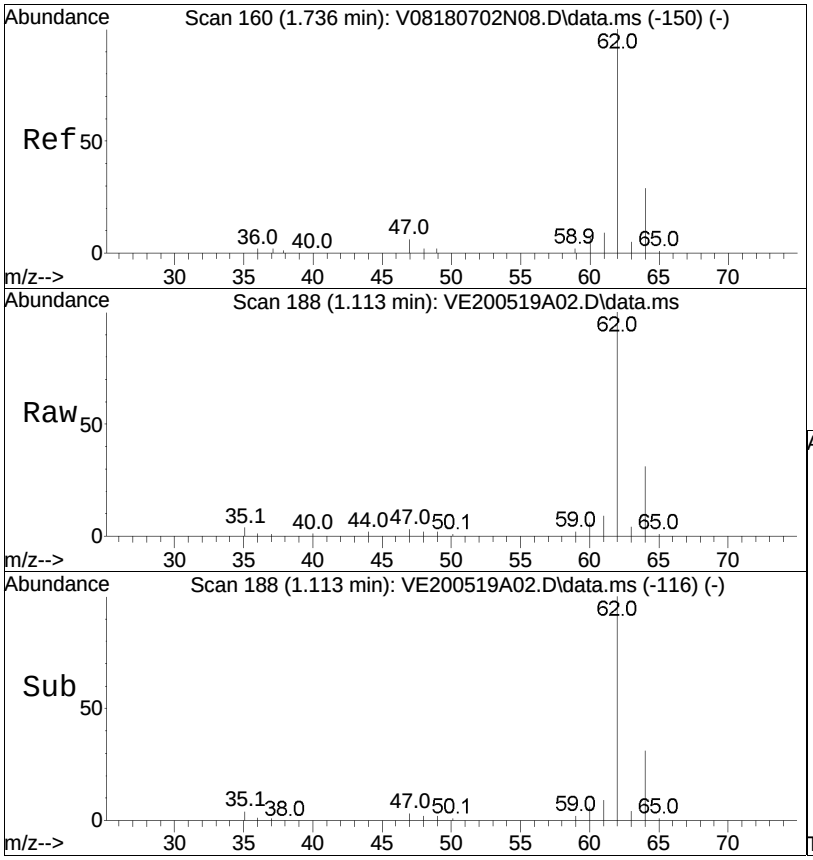


#3
Chloromethane
Concen: 8.33 ug/L
RT: 1.060 min Scan# 169
Delta R.T. -0.003 min
Lab File: VE200519A02.D
Acq: 19 May 2020 9:05 am

Tgt Ion: 50 Resp: 43910

Ion	Ratio	Lower	Upper
50	100		
52	32.1	12.9	52.9
47	7.0	0.0	28.3

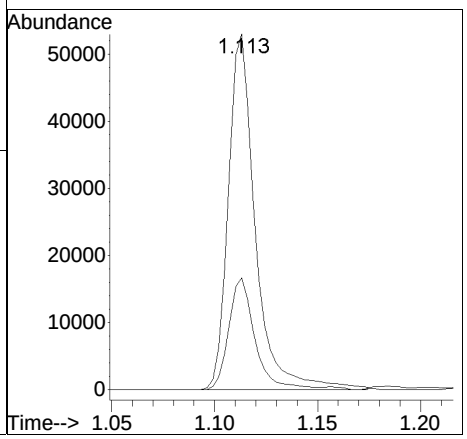


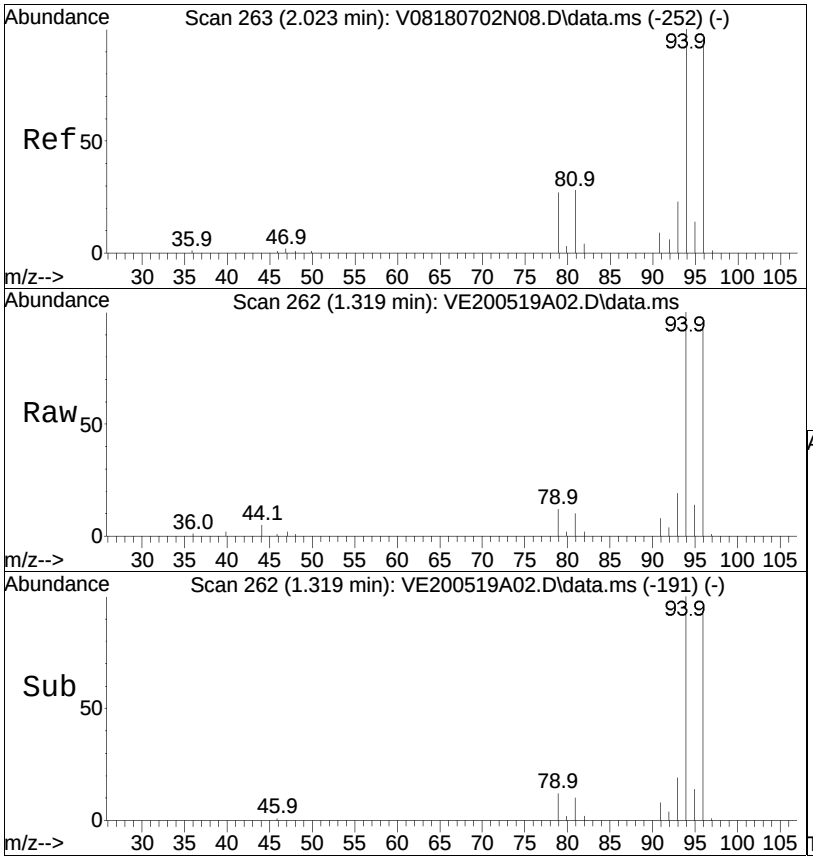


#4
Vinyl chloride
Concen: 9.97 ug/L
RT: 1.113 min Scan# 188
Delta R.T. 0.000 min
Lab File: VE200519A02.D
Acq: 19 May 2020 9:05 am

Tgt Ion: 62 Resp: 48365

Ion	Ratio	Lower	Upper
62	100		
64	30.2	9.1	49.1

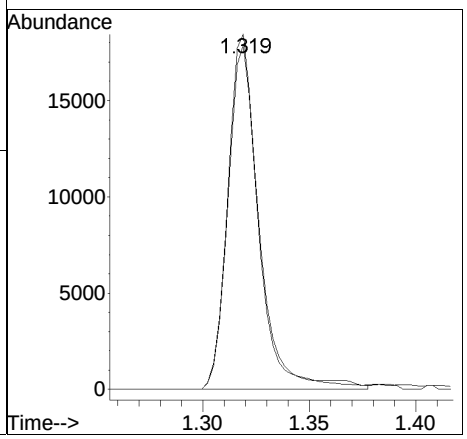


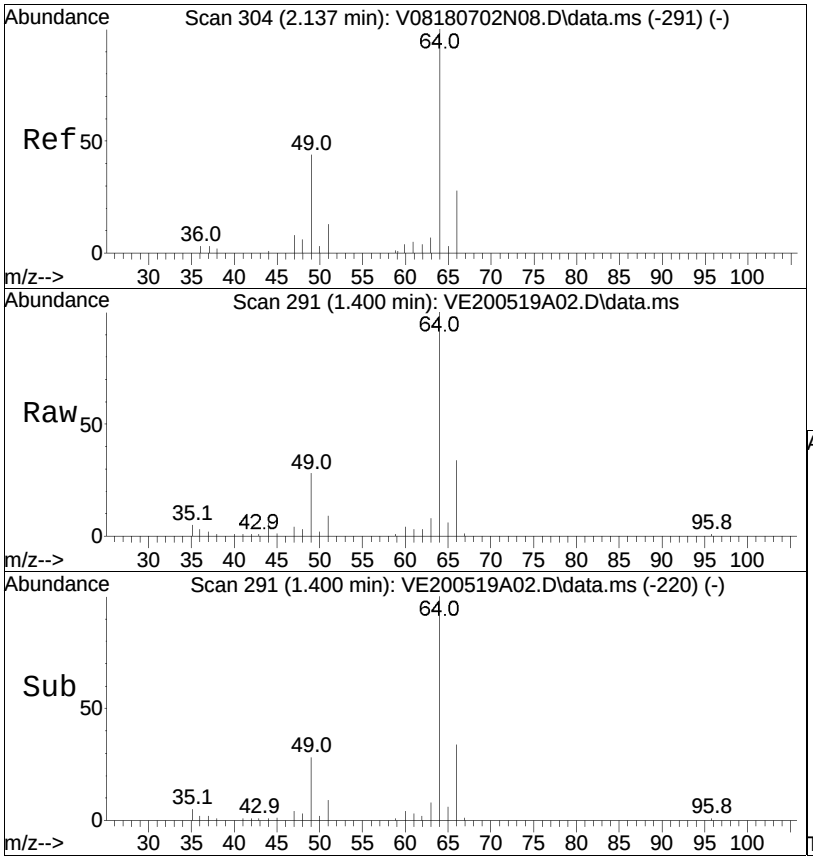


#5
Bromomethane
Concen: 7.25 ug/L
RT: 1.319 min Scan# 262
Delta R.T. -0.003 min
Lab File: VE200519A02.D
Acq: 19 May 2020 9:05 am

Tgt Ion: 94 Resp: 18955

Ion	Ratio	Lower	Upper
94	100		
96	94.7	75.6	115.6

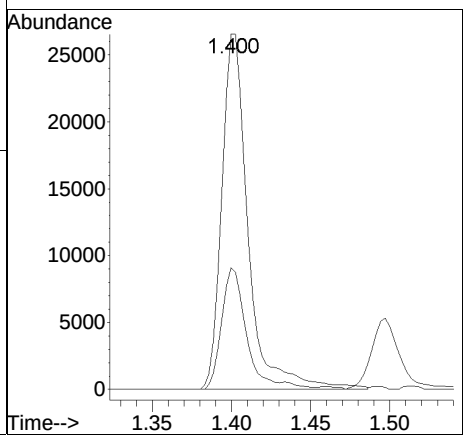


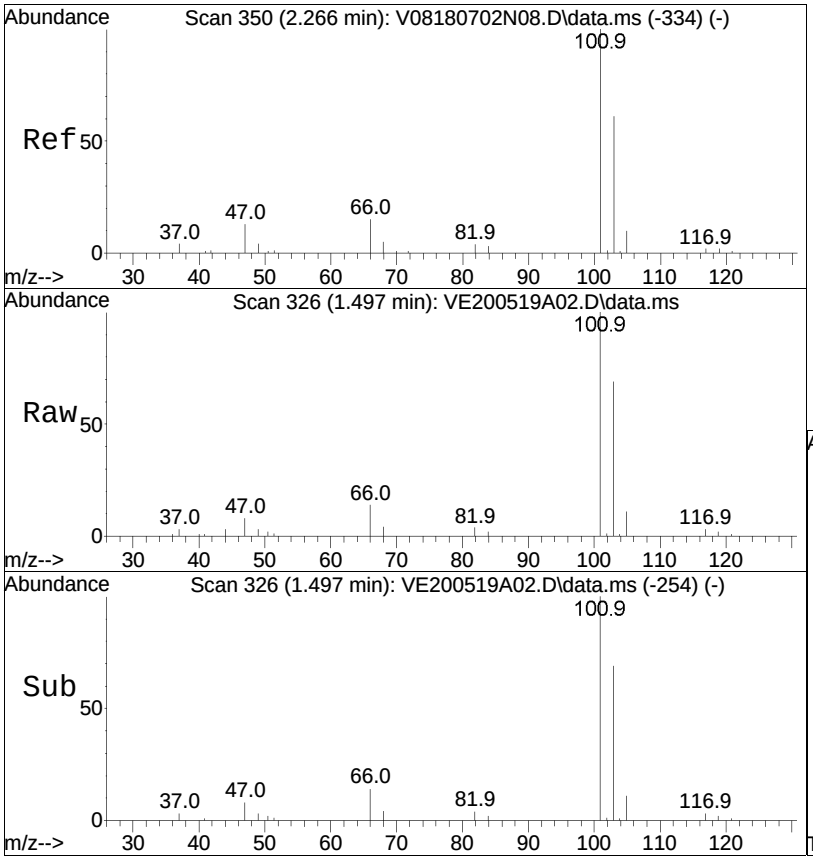


#6
Chloroethane
Concen: 11.07 ug/L
RT: 1.400 min Scan# 291
Delta R.T. -0.002 min
Lab File: VE200519A02.D
Acq: 19 May 2020 9:05 am

Tgt Ion: 64 Resp: 30970

Ion	Ratio	Lower	Upper
64	100		
66	32.6	9.8	49.8

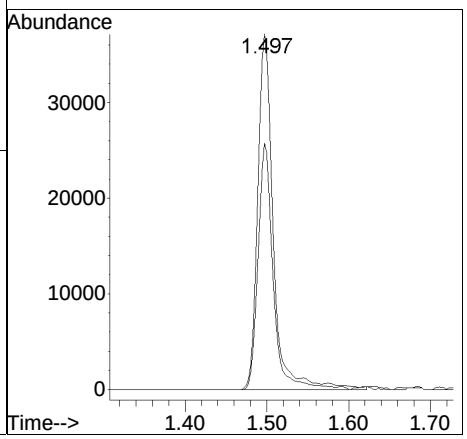


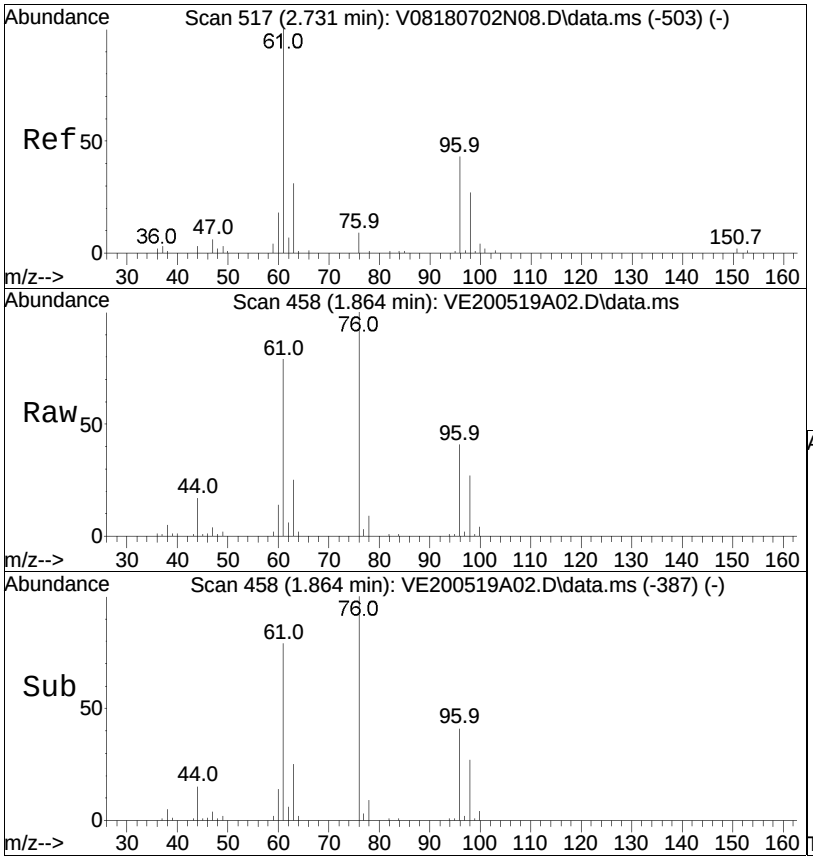


#7
Trichlorofluoromethane
Concen: 9.33 ug/L M1
RT: 1.497 min Scan# 326
Delta R.T. 0.000 min
Lab File: VE200519A02.D
Acq: 19 May 2020 9:05 am

Tgt Ion:101 Resp: 49302

Ion	Ratio	Lower	Upper
101	100		
103	66.7	53.8	80.6

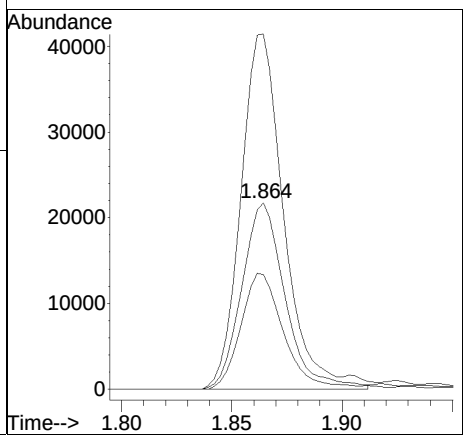


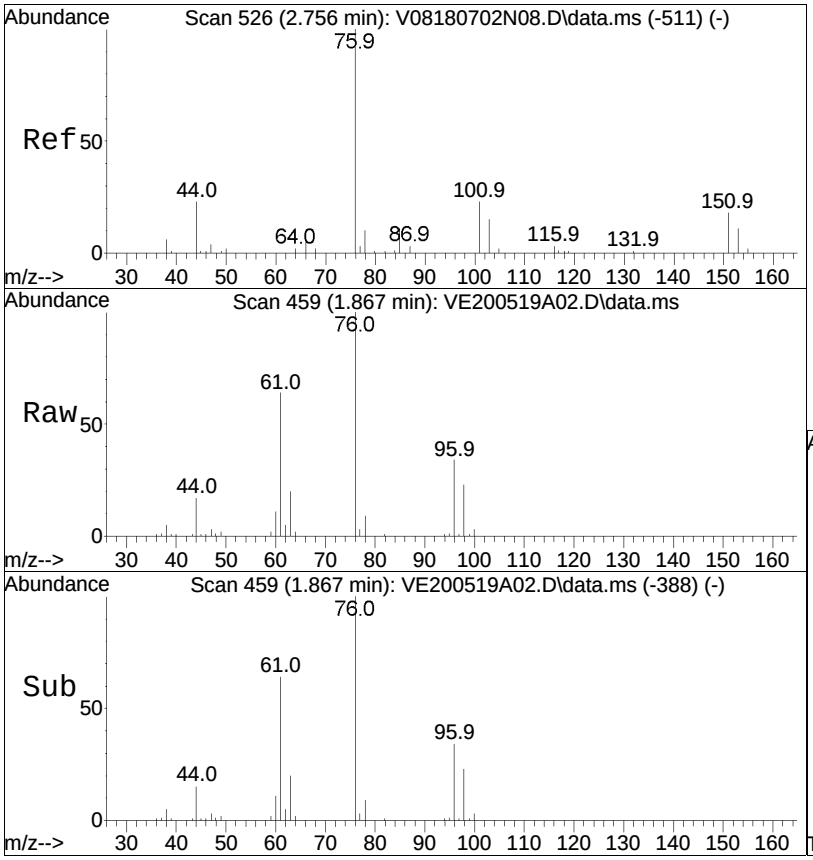


#10
1,1-Dichloroethene
Concen: 8.55 ug/L
RT: 1.864 min Scan# 458
Delta R.T. -0.003 min
Lab File: VE200519A02.D
Acq: 19 May 2020 9:05 am

Tgt Ion: 96 Resp: 29829

Ion	Ratio	Lower	Upper
96	100		
61	185.5	186.1	279.1#
63	62.2	57.6	86.4

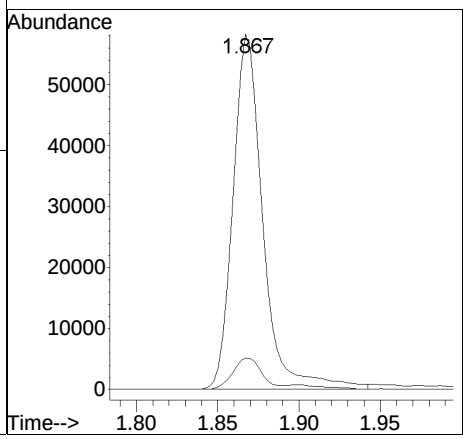


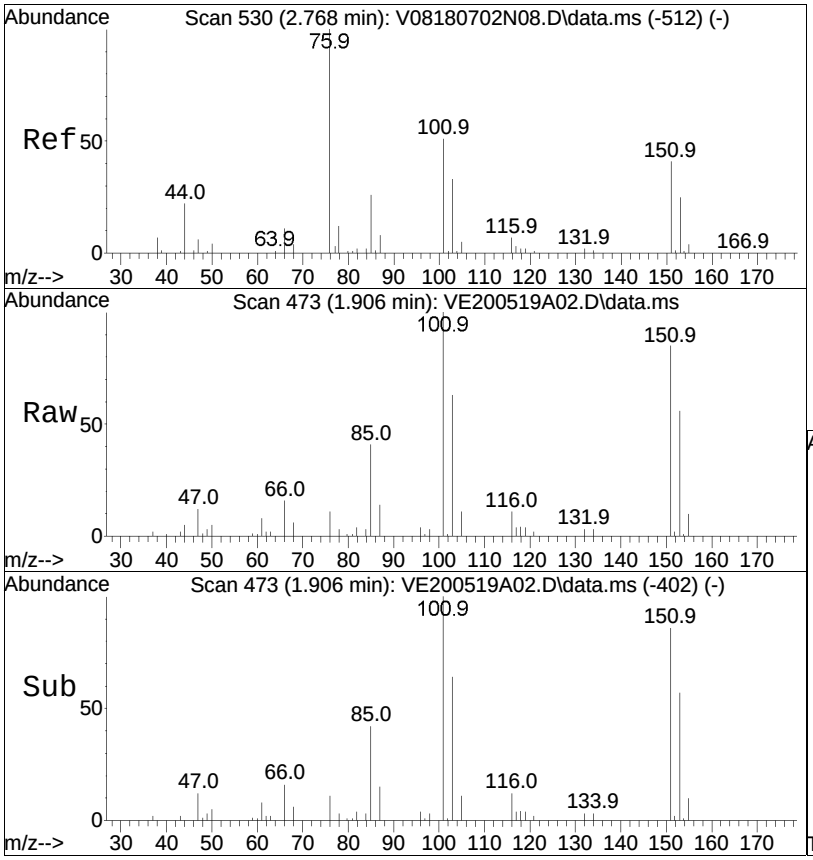


#11
Carbon disulfide
Concen: 9.44 ug/L
RT: 1.867 min Scan# 459
Delta R.T. -0.003 min
Lab File: VE200519A02.D
Acq: 19 May 2020 9:05 am

Tgt Ion: 76 Resp: 74852

Ion	Ratio	Lower	Upper
76	100		
78	8.5	5.7	11.7

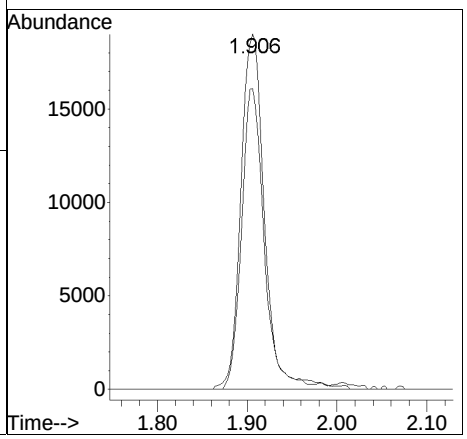


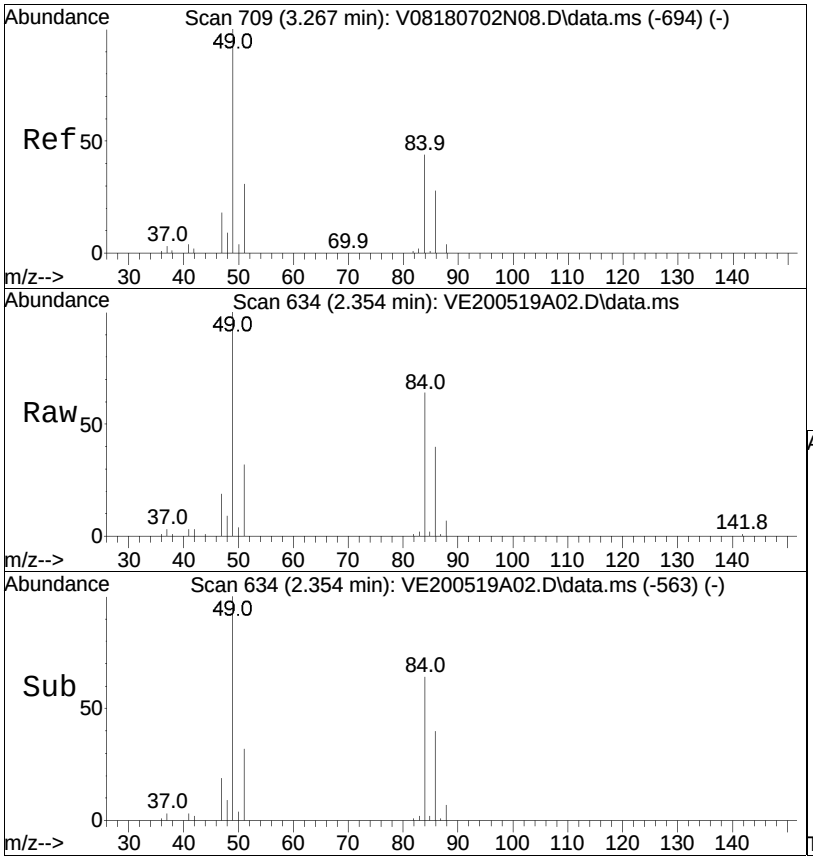


#12
Freon-113
Concen: 9.91 ug/L M1
RT: 1.906 min Scan# 473
Delta R.T. -0.003 min
Lab File: VE200519A02.D
Acq: 19 May 2020 9:05 am

Tgt Ion:101 Resp: 35312

Ion	Ratio	Lower	Upper
101	100		
151	79.4	59.8	89.8

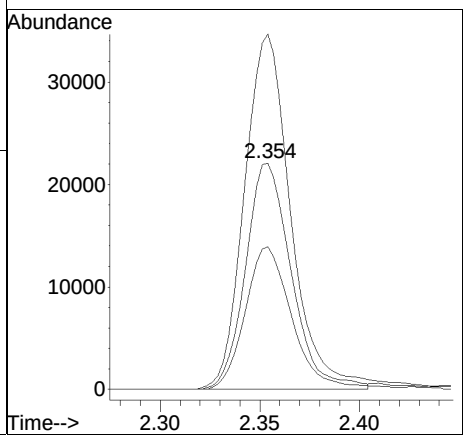


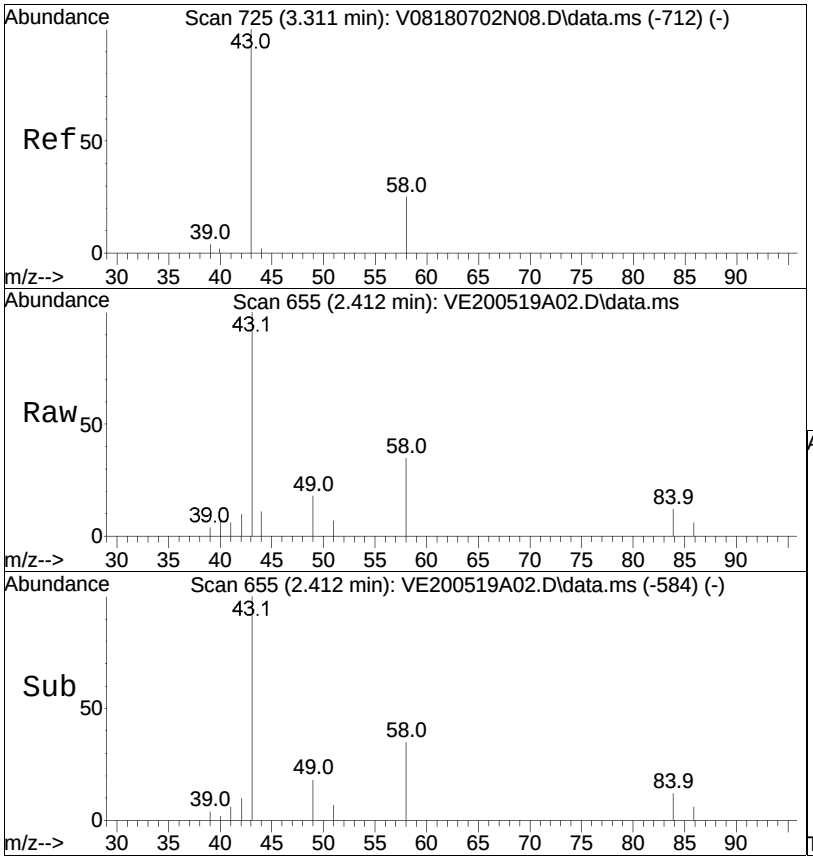


#15
Methylene chloride
Concen: 8.87 ug/L
RT: 2.354 min Scan# 634
Delta R.T. -0.003 min
Lab File: VE200519A02.D
Acq: 19 May 2020 9:05 am

Tgt Ion: 84 Resp: 35344

Ion	Ratio	Lower	Upper
84	100		
86	64.5	40.4	83.8
49	161.3	120.0	249.2

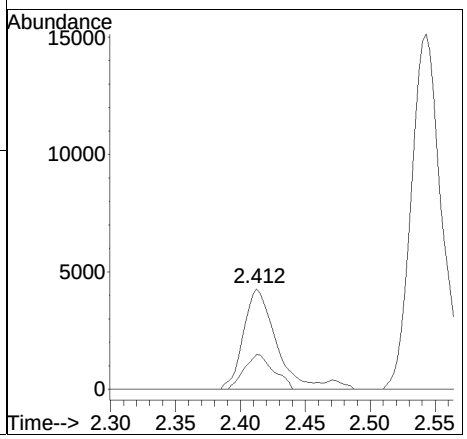


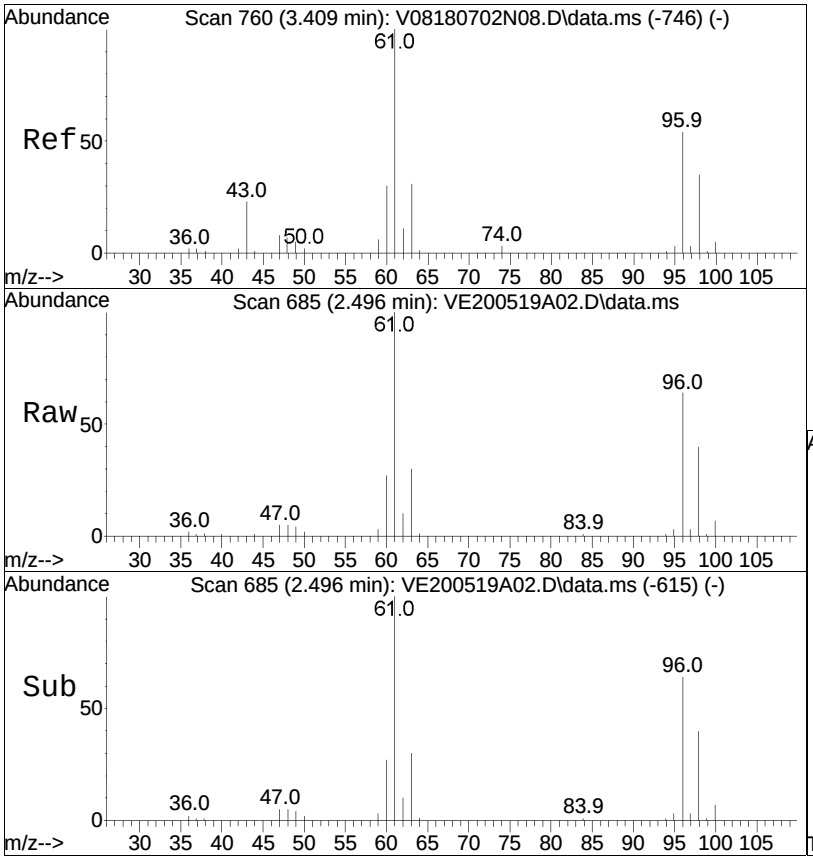


#17
Acetone
Concen: 8.07 ug/L M1
RT: 2.412 min Scan# 655
Delta R.T. -0.003 min
Lab File: VE200519A02.D
Acq: 19 May 2020 9:05 am

Tgt Ion: 43 Resp: 7779

Ion	Ratio	Lower	Upper
43	100		
58	30.3	24.2	36.4

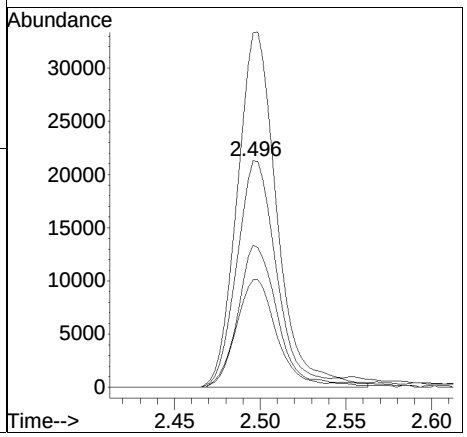


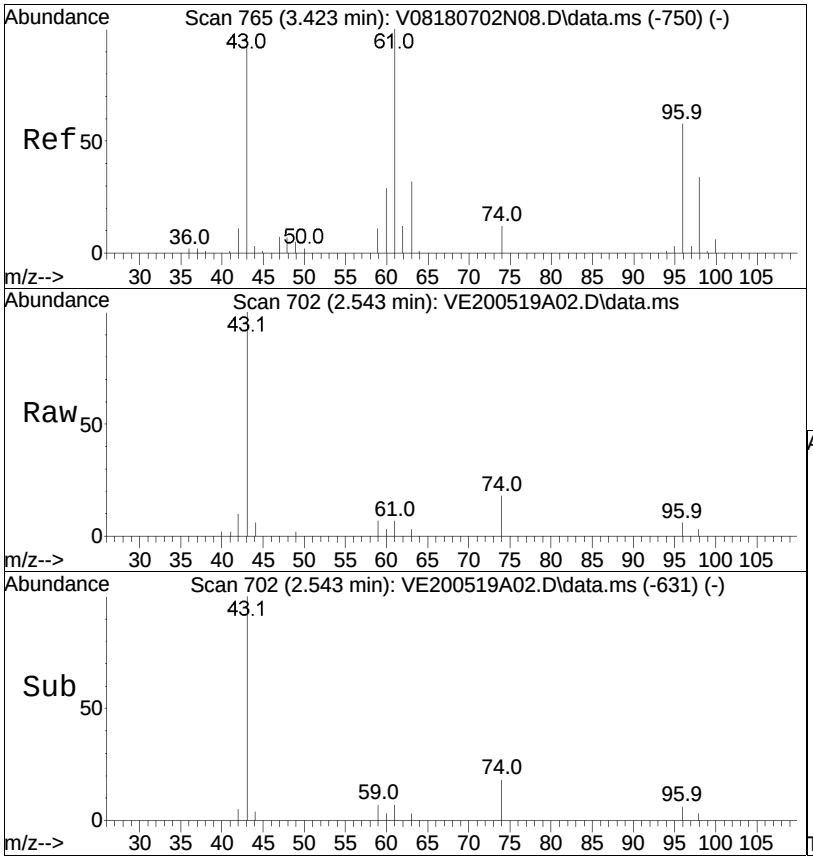


#18
trans-1,2-Dichloroethene
Concen: 10.04 ug/L
RT: 2.496 min Scan# 685
Delta R.T. -0.005 min
Lab File: VE200519A02.D
Acq: 19 May 2020 9:05 am

Tgt Ion: 96 Resp: 35087

Ion	Ratio	Lower	Upper
96	100		
61	152.0	124.0	257.6
98	60.4	41.2	85.6
63	48.3	38.4	79.7

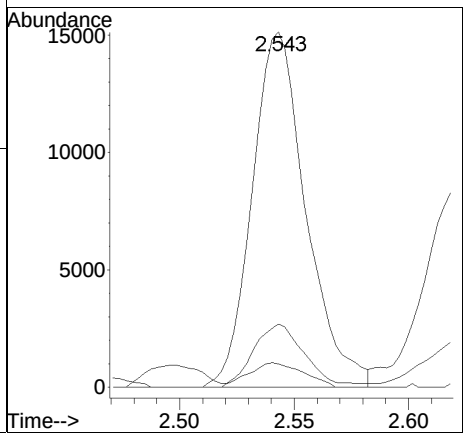


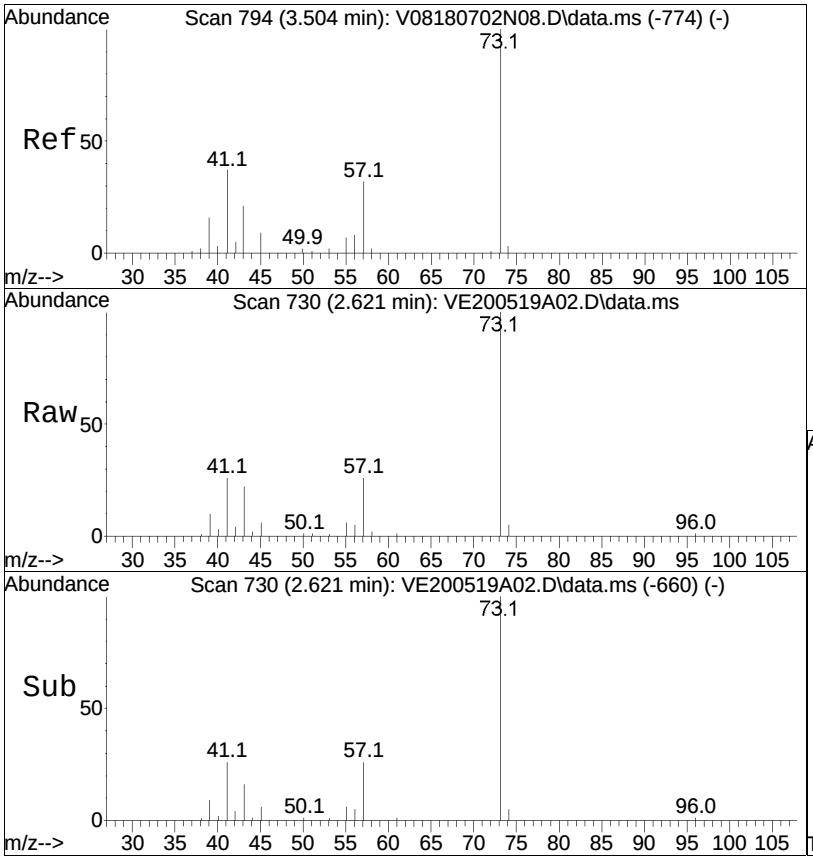


#19
Methyl acetate
Concen: 8.57 ug/L
RT: 2.543 min Scan# 702
Delta R.T. -0.003 min
Lab File: VE200519A02.D
Acq: 19 May 2020 9:05 am

Tgt Ion: 43 Resp: 24797

Ion	Ratio	Lower	Upper
43	100		
74	17.1	14.2	21.4
59	6.9	5.0	7.6

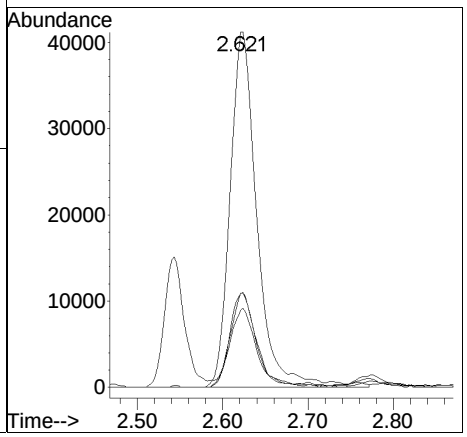


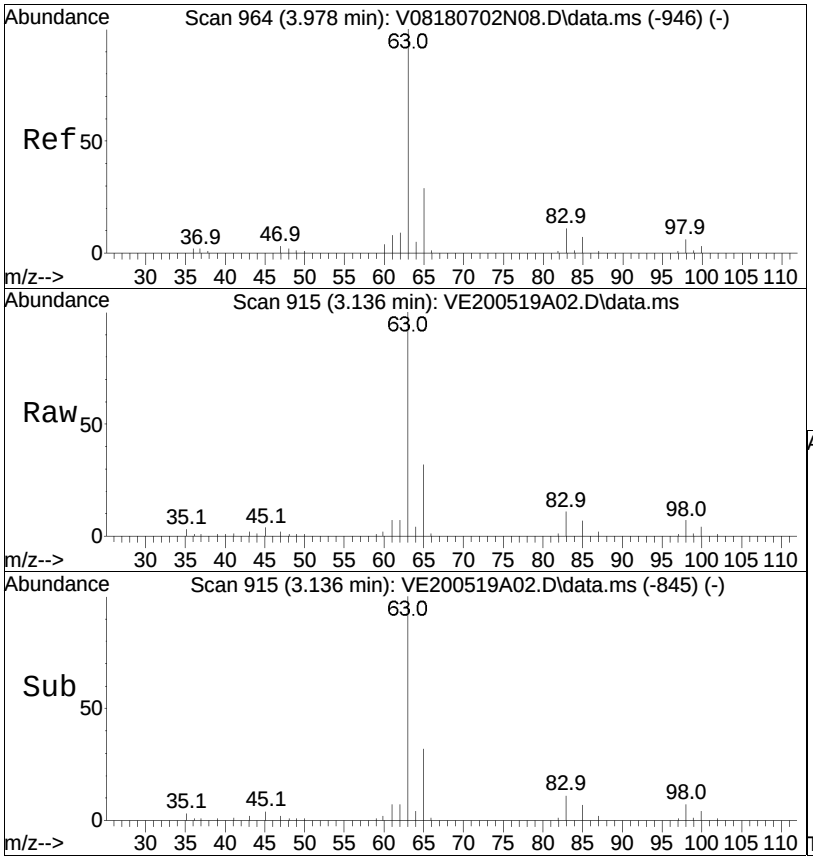


#20
Methyl tert-butyl ether
Concen: 8.42 ug/L M1
RT: 2.621 min Scan# 730
Delta R.T. -0.006 min
Lab File: VE200519A02.D
Acq: 19 May 2020 9:05 am

Tgt Ion: 73 Resp: 90941

Ion	Ratio	Lower	Upper
73	100		
57	25.3	17.5	36.3
43	20.2	15.3	31.9
41	25.8	15.3	31.7

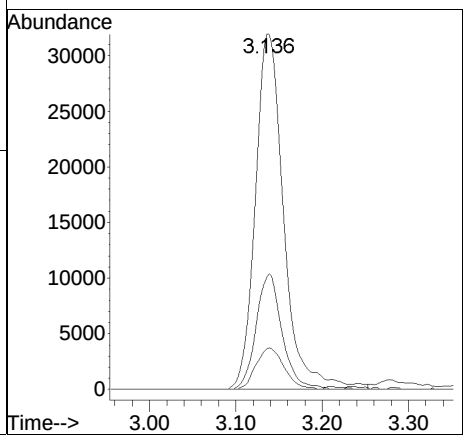


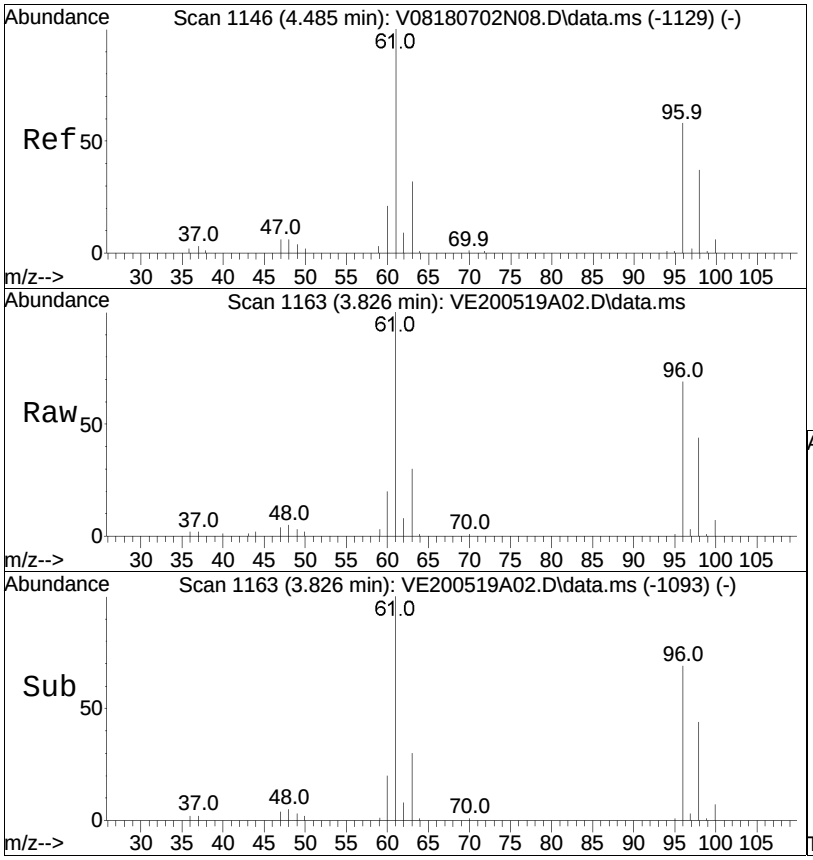


#23
1,1-Dichloroethane
Concen: 9.54 ug/L M1
RT: 3.136 min Scan# 915
Delta R.T. -0.005 min
Lab File: VE200519A02.D
Acq: 19 May 2020 9:05 am

Tgt Ion: 63 Resp: 73256

Ion	Ratio	Lower	Upper
63	100		
65	29.6	11.0	51.0
83	11.6	0.0	31.8

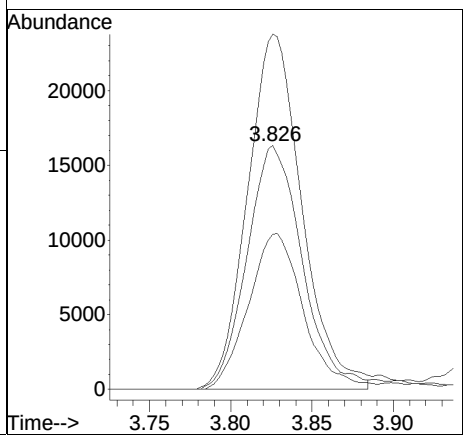


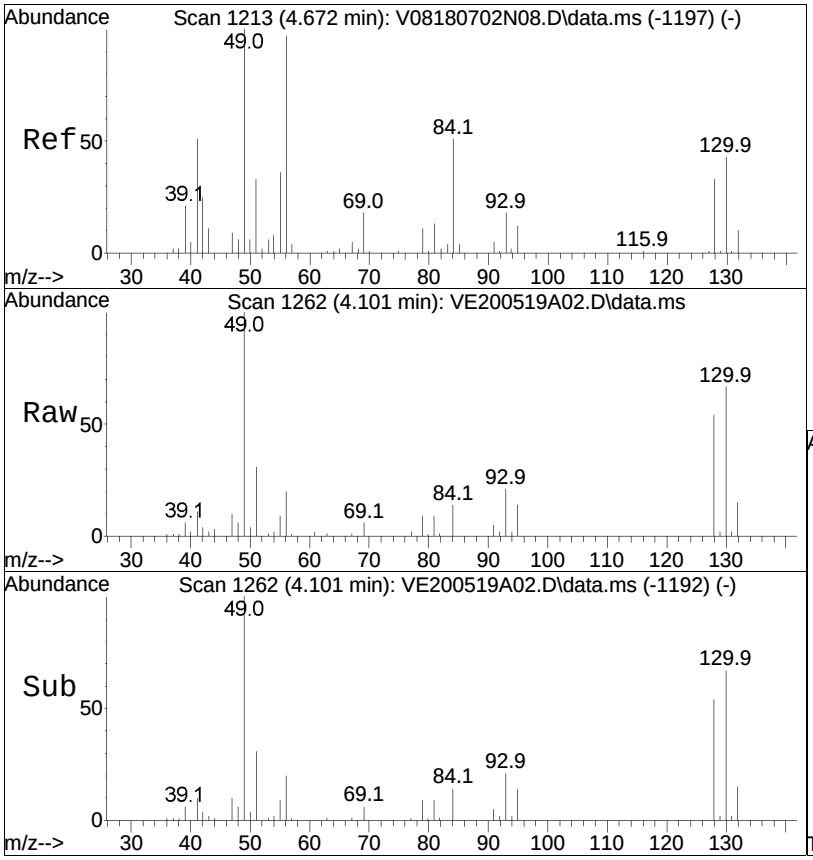


#28
cis-1,2-Dichloroethene
Concen: 8.78 ug/L
RT: 3.826 min Scan# 1163
Delta R.T. -0.005 min
Lab File: VE200519A02.D
Acq: 19 May 2020 9:05 am

Tgt Ion: 96 Resp: 38635

Ion	Ratio	Lower	Upper
96	100		
61	143.9	149.4	224.2#
98	63.9	53.4	80.2

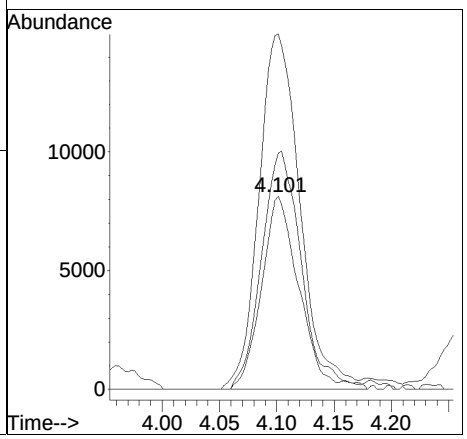


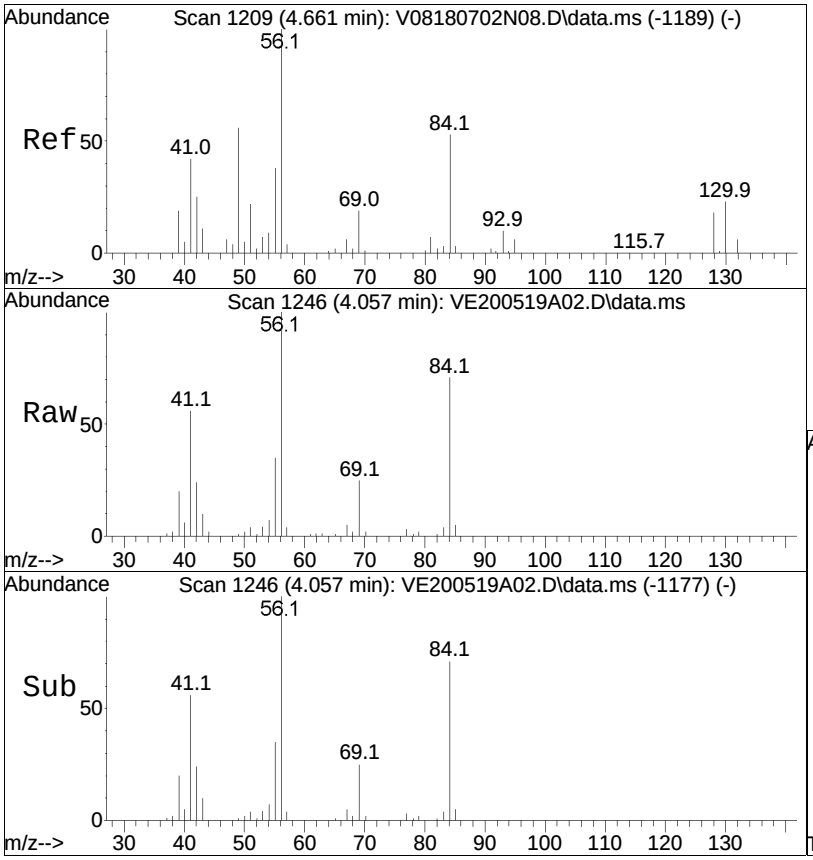


#30
Bromochloromethane
Concen: 9.71 ug/L M1
RT: 4.101 min Scan# 1262
Delta R.T. -0.006 min
Lab File: VE200519A02.D
Acq: 19 May 2020 9:05 am

Tgt Ion:128 Resp: 18649

Ion	Ratio	Lower	Upper
128	100		
49	200.0	223.0	334.4#
130	129.5	111.4	167.0

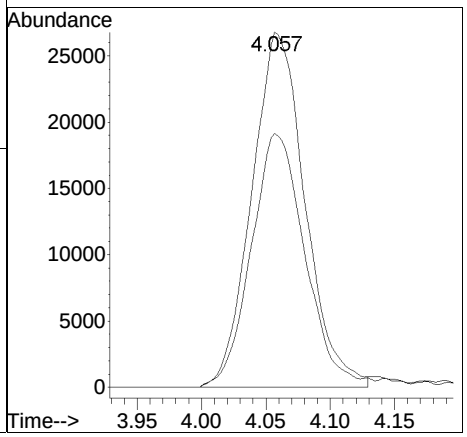


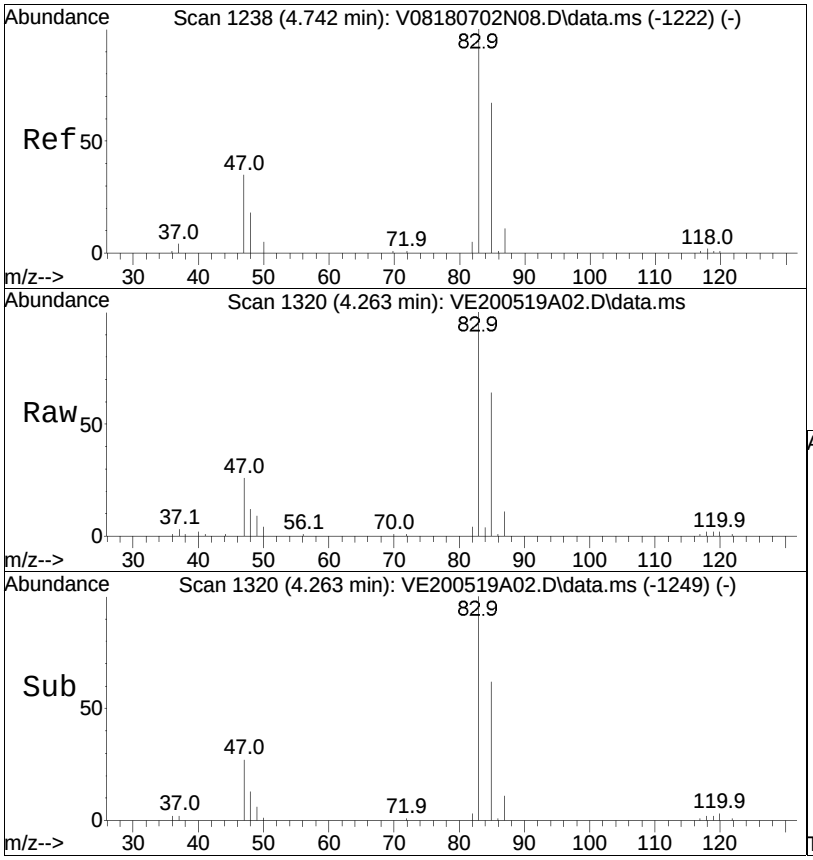


#31
Cyclohexane
Concen: 9.47 ug/L
RT: 4.057 min Scan# 1246
Delta R.T. -0.008 min
Lab File: VE200519A02.D
Acq: 19 May 2020 9:05 am

Tgt Ion: 56 Resp: 77111

Ion	Ratio	Lower	Upper
56	100		
84	71.7	38.4	79.8

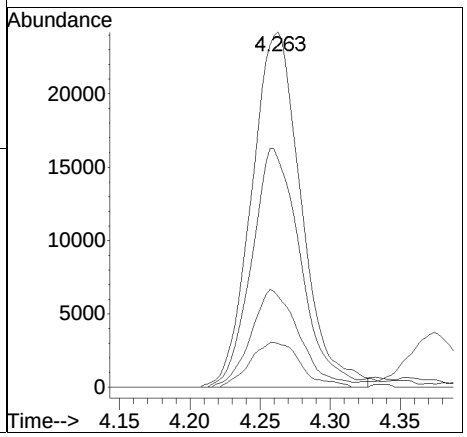


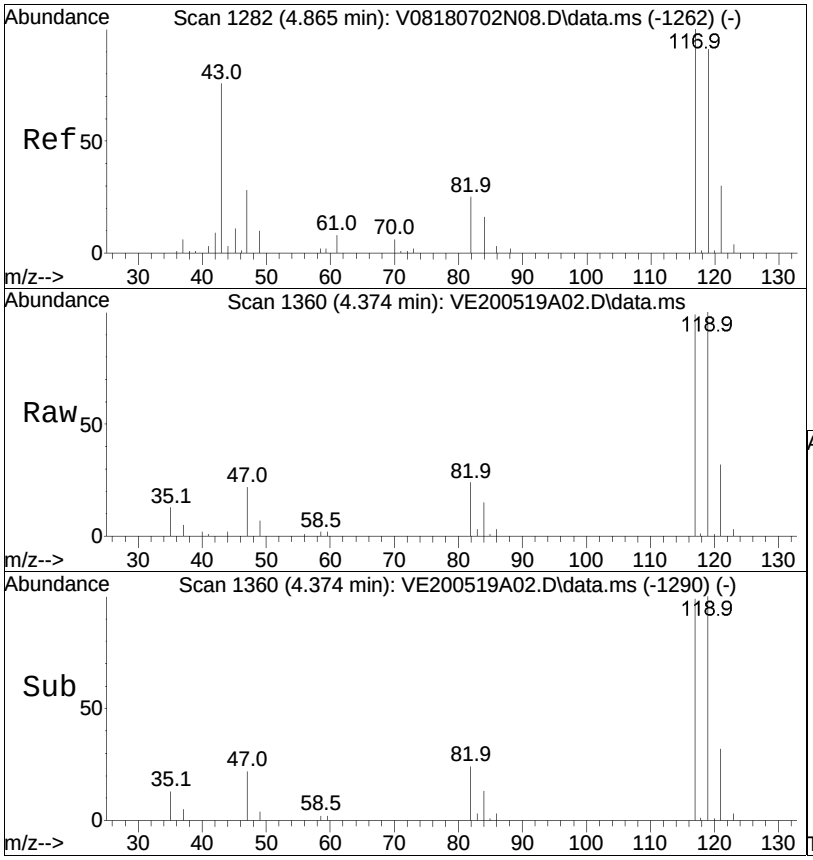


#32
Chloroform
Concen: 8.79 ug/L
RT: 4.263 min Scan# 1320
Delta R.T. -0.002 min
Lab File: VE200519A02.D
Acq: 19 May 2020 9:05 am

Tgt Ion: 83 Resp: 59672

Ion	Ratio	Lower	Upper
83	100		
85	66.2	41.5	86.1
47	27.1	19.0	39.4
48	13.0	9.9	20.5

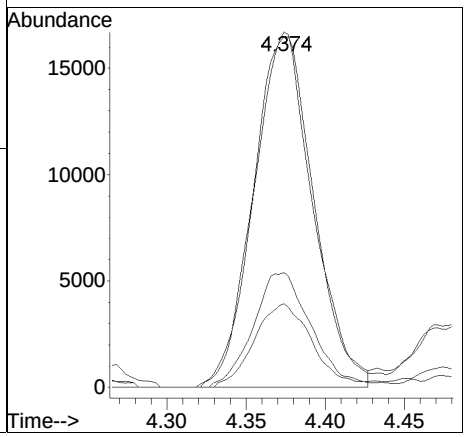


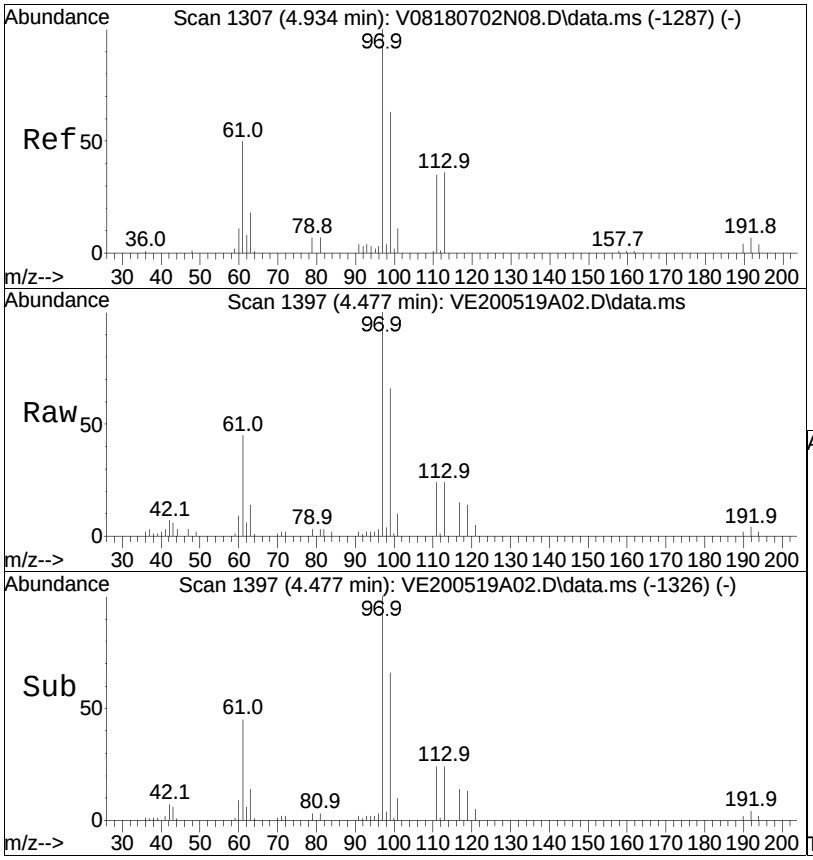


#34
Carbon tetrachloride
Concen: 8.48 ug/L
RT: 4.374 min Scan# 1360
Delta R.T. -0.005 min
Lab File: VE200519A02.D
Acq: 19 May 2020 9:05 am

Tgt Ion:117 Resp: 44124

Ion	Ratio	Lower	Upper
117	100		
119	97.6	62.4	129.6
121	31.1	19.5	40.5
82	22.5	17.0	35.4

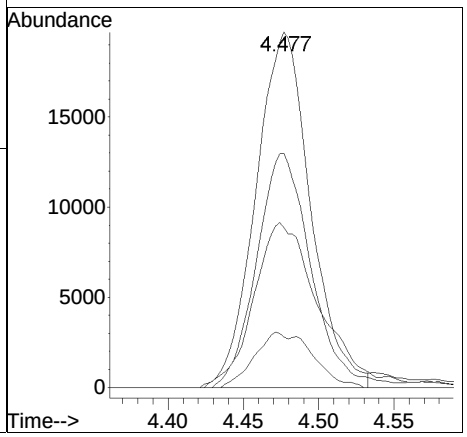


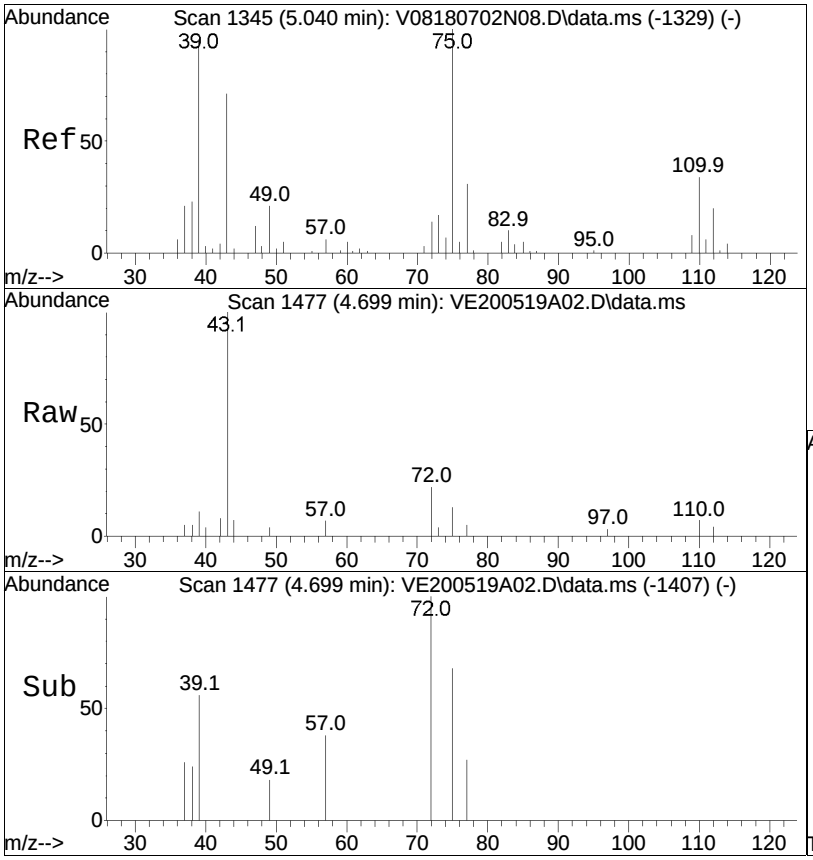


#37
1,1,1-Trichloroethane
Concen: 8.21 ug/L
RT: 4.477 min Scan# 1397
Delta R.T. -0.003 min
Lab File: VE200519A02.D
Acq: 19 May 2020 9:05 am

Tgt Ion: 97 Resp: 49817

Ion	Ratio	Lower	Upper
97	100		
99	66.0	40.7	84.5
61	54.3	35.4	73.4
63	9.4	5.0	10.4

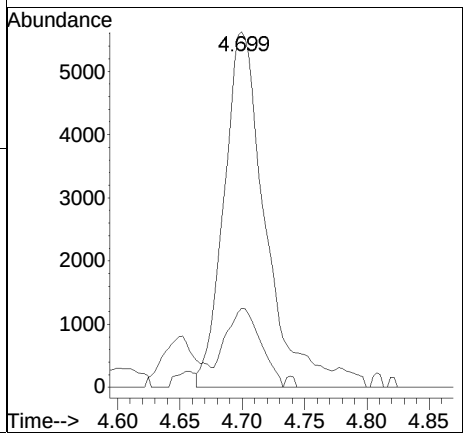


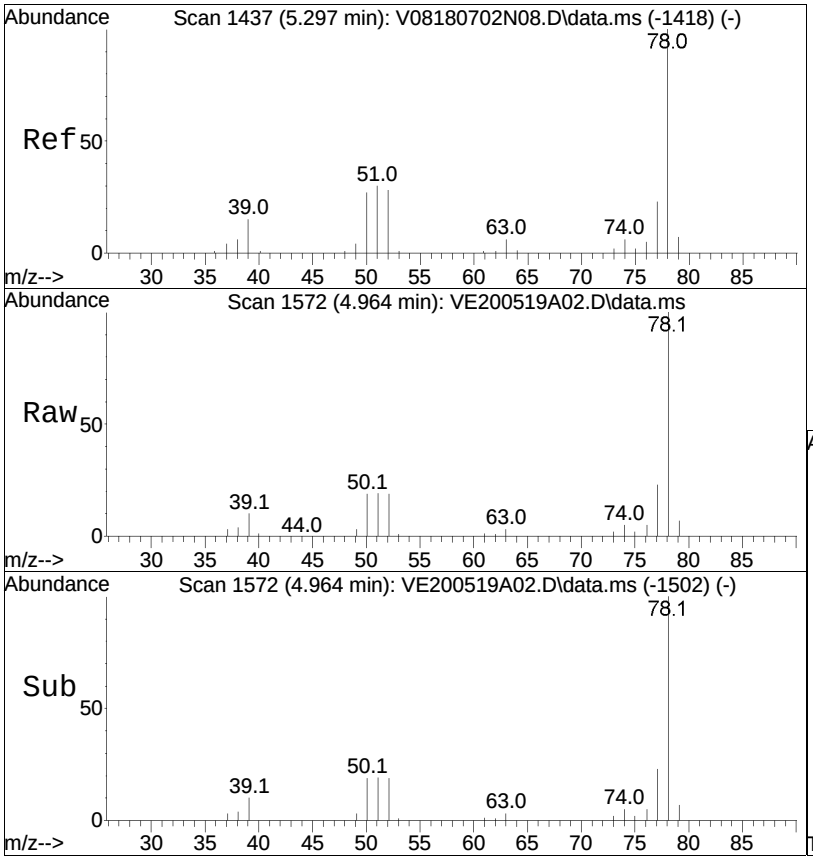


#39
2-Butanone
Concen: 8.30 ug/L M1
RT: 4.699 min Scan# 1477
Delta R.T. -0.006 min
Lab File: VE200519A02.D
Acq: 19 May 2020 9:05 am

Tgt Ion: 43 Resp: 13238

Ion	Ratio	Lower	Upper
43	100		
72	18.6	10.9	16.3#

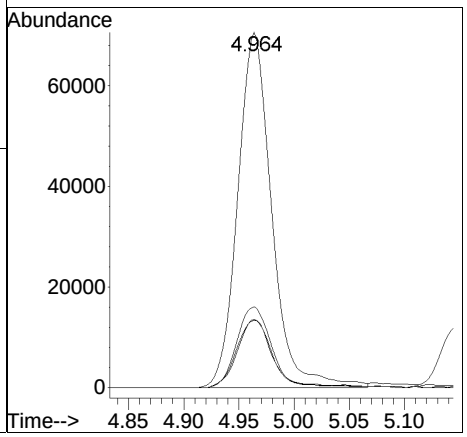


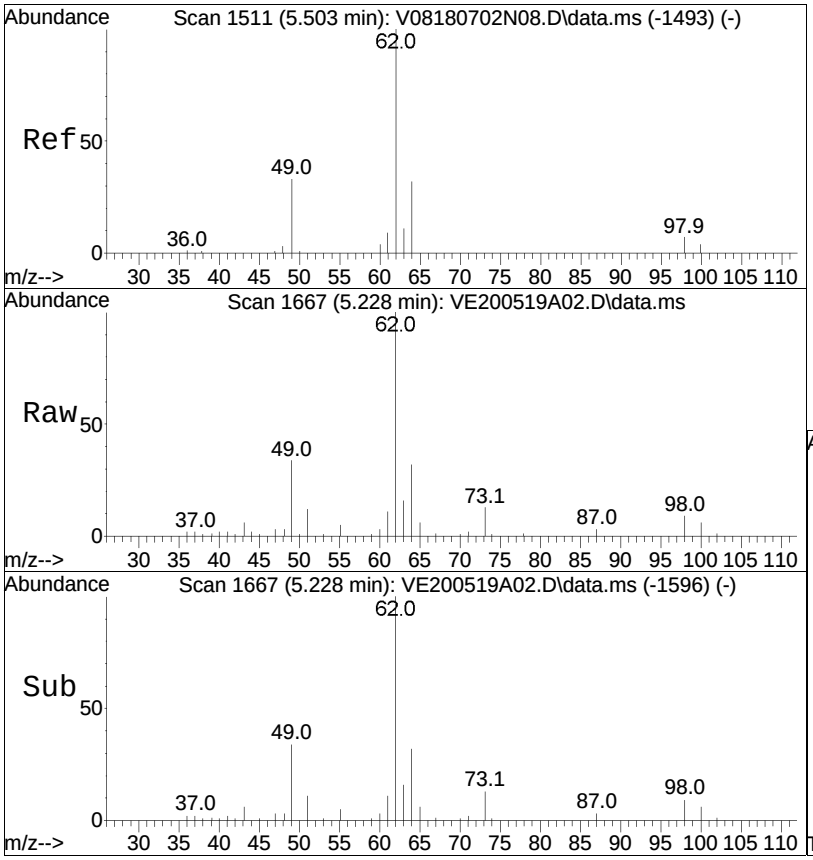


#41
Benzene
Concen: 9.05 ug/L
RT: 4.964 min Scan# 1572
Delta R.T. -0.005 min
Lab File: VE200519A02.D
Acq: 19 May 2020 9:05 am

Tgt Ion: 78 Resp: 151488

Ion	Ratio	Lower	Upper
78	100		
77	22.8	15.7	32.7
51	19.1	16.0	33.2
52	19.1	15.3	31.9

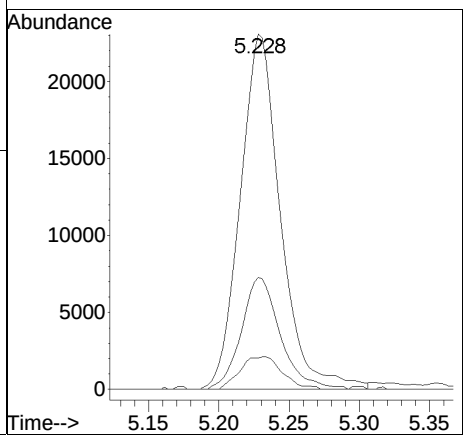


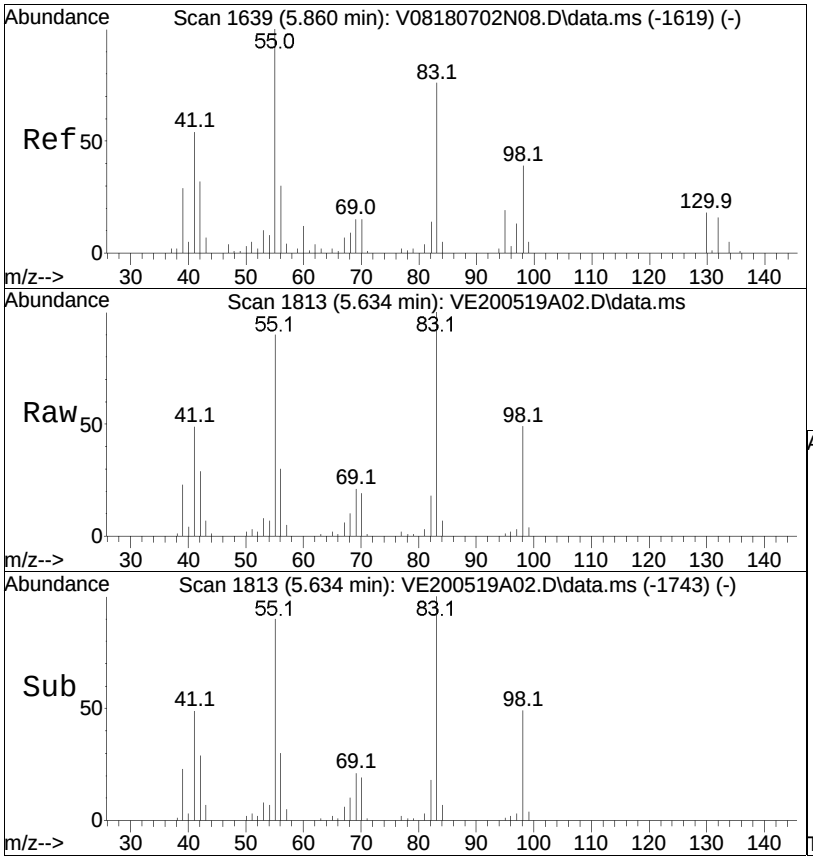


#44
1,2-Dichloroethane
Concen: 8.73 ug/L
RT: 5.228 min Scan# 1667
Delta R.T. -0.003 min
Lab File: VE200519A02.D
Acq: 19 May 2020 9:05 am

Tgt Ion: 62 Resp: 46025

Ion	Ratio	Lower	Upper
62	100		
64	30.6	11.2	51.2
98	9.7	0.0	26.1

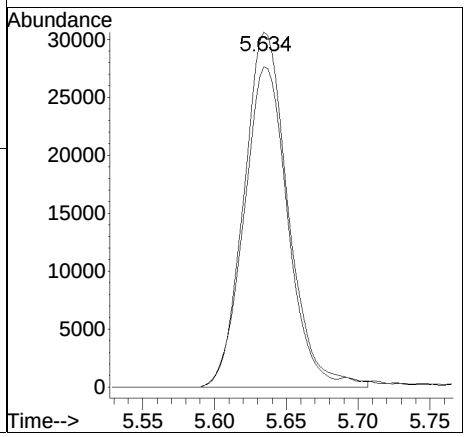


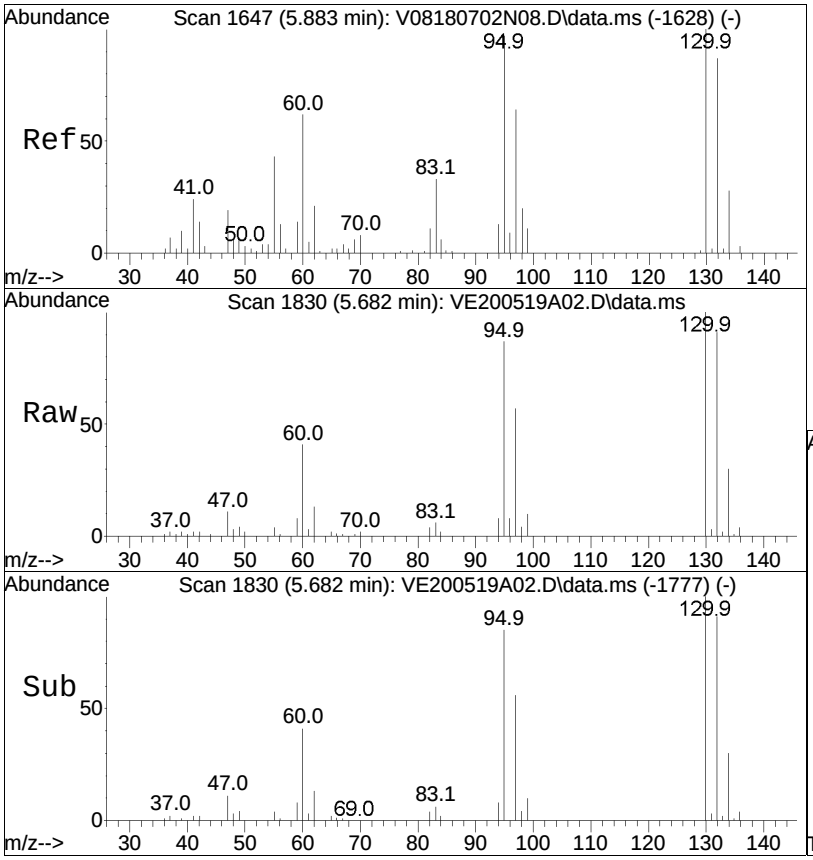


#47
Methyl cyclohexane
Concen: 9.39 ug/L
RT: 5.634 min Scan# 1813
Delta R.T. -0.006 min
Lab File: VE200519A02.D
Acq: 19 May 2020 9:05 am

Tgt Ion: 83 Resp: 65650

Ion	Ratio	Lower	Upper
83	100		
55	88.8	88.3	132.5

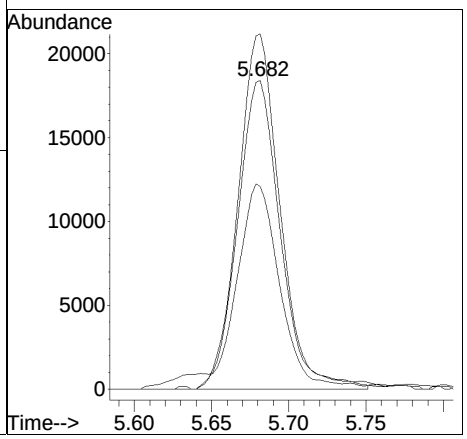


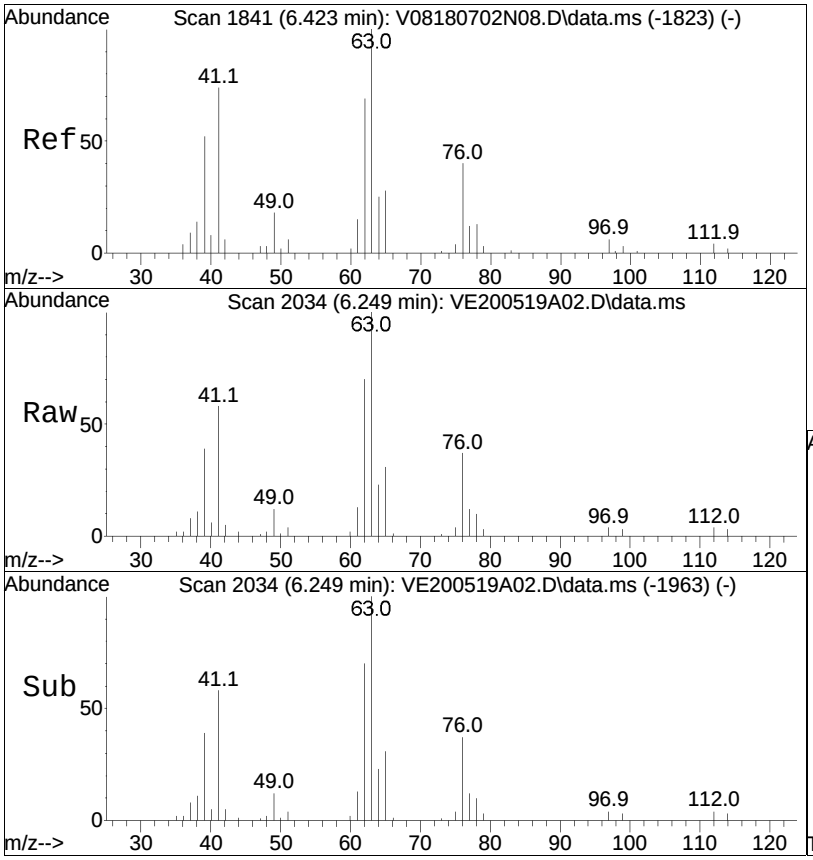


#48
Trichloroethene
Concen: 8.67 ug/L
RT: 5.682 min Scan# 1830
Delta R.T. -0.002 min
Lab File: VE200519A02.D
Acq: 19 May 2020 9:05 am

Tgt Ion: 95 Resp: 35558

Ion	Ratio	Lower	Upper
95	100		
97	62.1	55.5	83.3
130	112.6	76.6	115.0

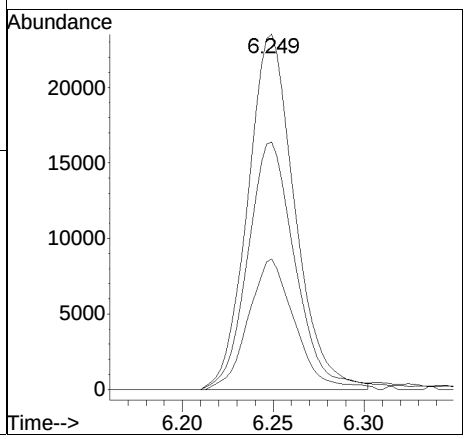


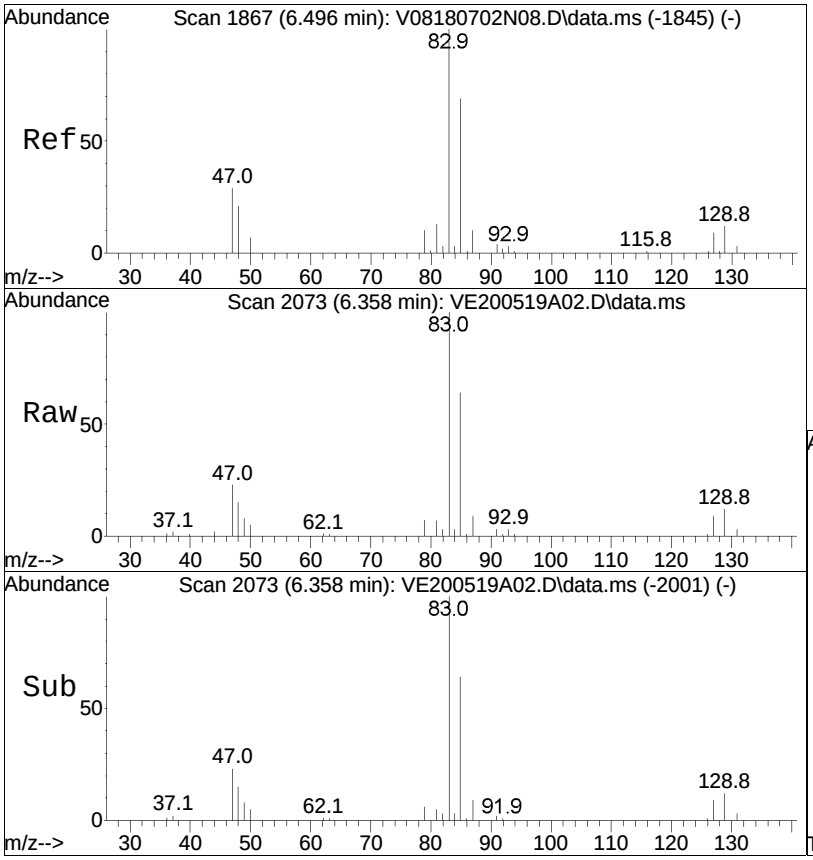


#51
1,2-Dichloropropane
Concen: 9.47 ug/L
RT: 6.249 min Scan# 2034
Delta R.T. -0.003 min
Lab File: VE200519A02.D
Acq: 19 May 2020 9:05 am

Tgt Ion: 63 Resp: 42394

Ion	Ratio	Lower	Upper
63	100		
62	70.8	58.6	87.8
76	36.1	38.0	57.0#

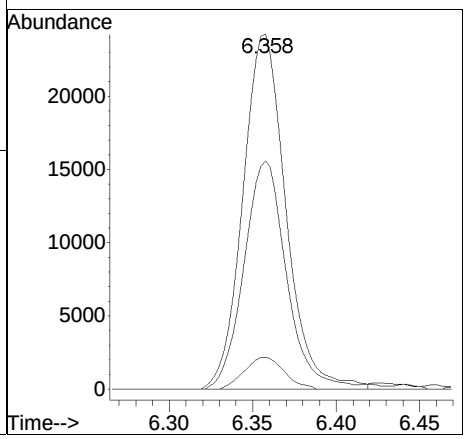


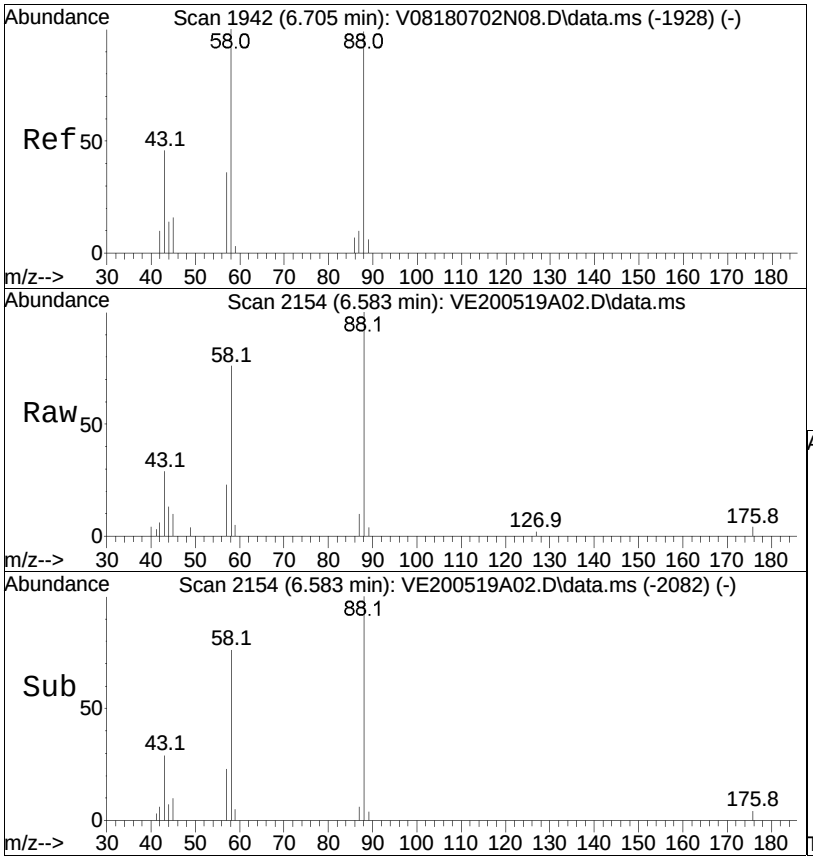


#54
Bromodichloromethane
Concen: 8.56 ug/L
RT: 6.358 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VE200519A02.D
Acq: 19 May 2020 9:05 am

Tgt Ion: 83 Resp: 43514

Ion	Ratio	Lower	Upper
83	100		
85	63.5	52.3	78.5
127	8.5	6.2	9.4

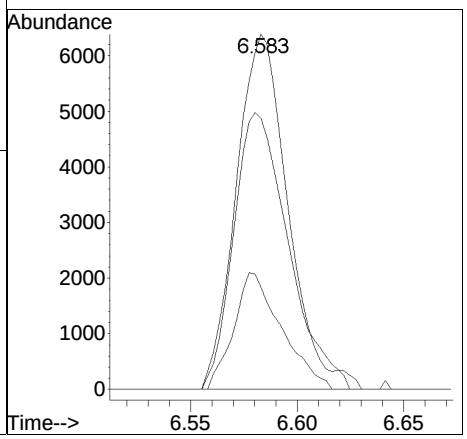


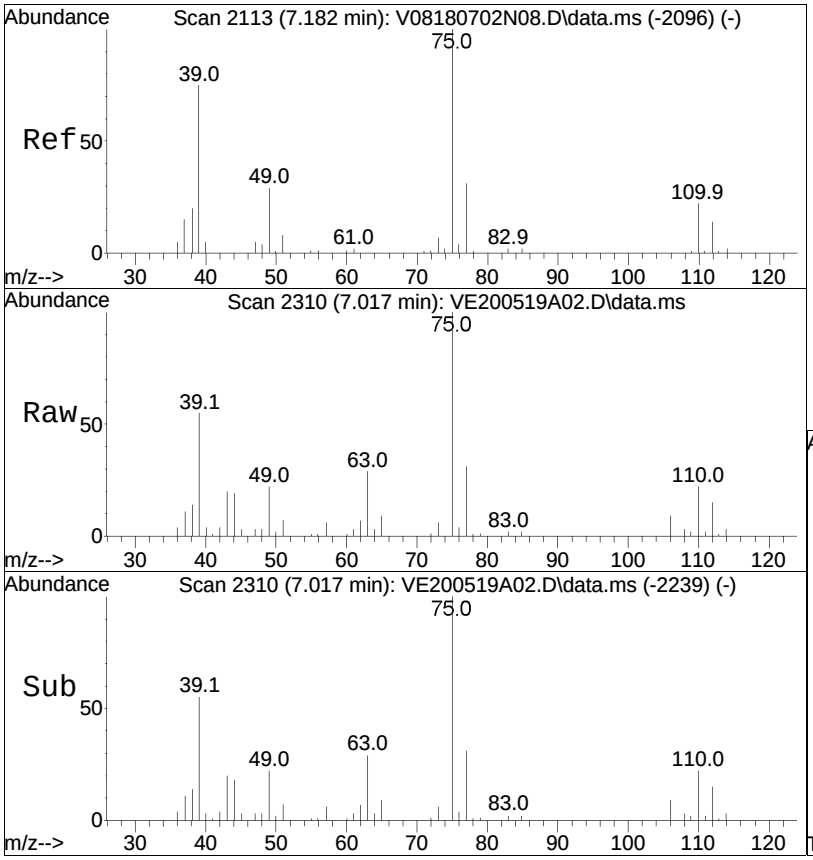


#57
1,4-Dioxane
Concen: 374.34 ug/L
RT: 6.583 min Scan# 2154
Delta R.T. -0.000 min
Lab File: VE200519A02.D
Acq: 19 May 2020 9:05 am

Tgt Ion: 88 Resp: 10792

Ion	Ratio	Lower	Upper
88	100		
58	82.4	76.7	115.1
43	30.4	36.2	54.2#

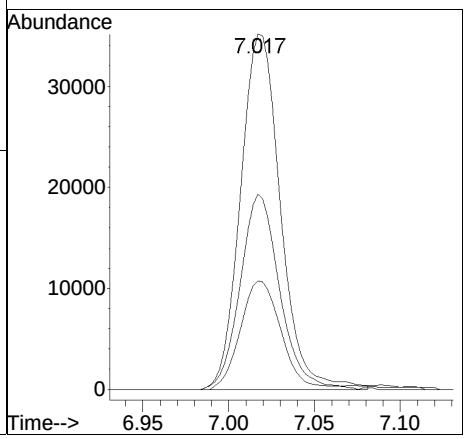


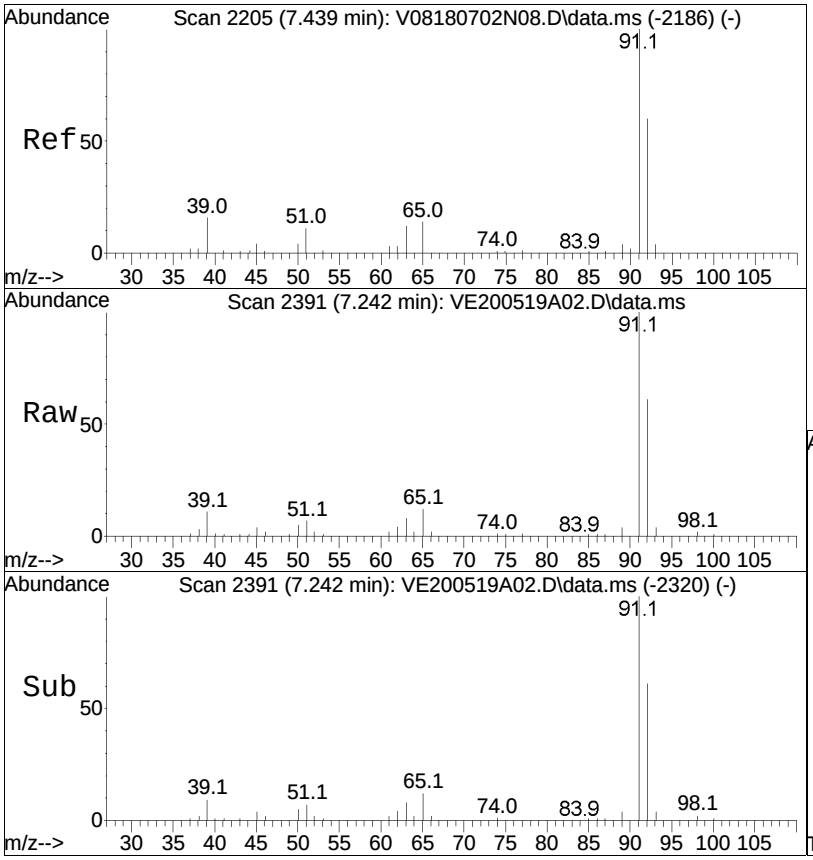


#58
cis-1,3-Dichloropropene
Concen: 8.63 ug/L
RT: 7.017 min Scan# 2310
Delta R.T. -0.003 min
Lab File: VE200519A02.D
Acq: 19 May 2020 9:05 am

Tgt Ion: 75 Resp: 57011

Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.0	37.4
39	54.2	50.1	75.1

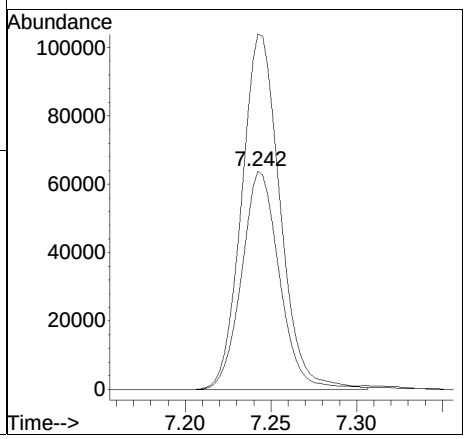


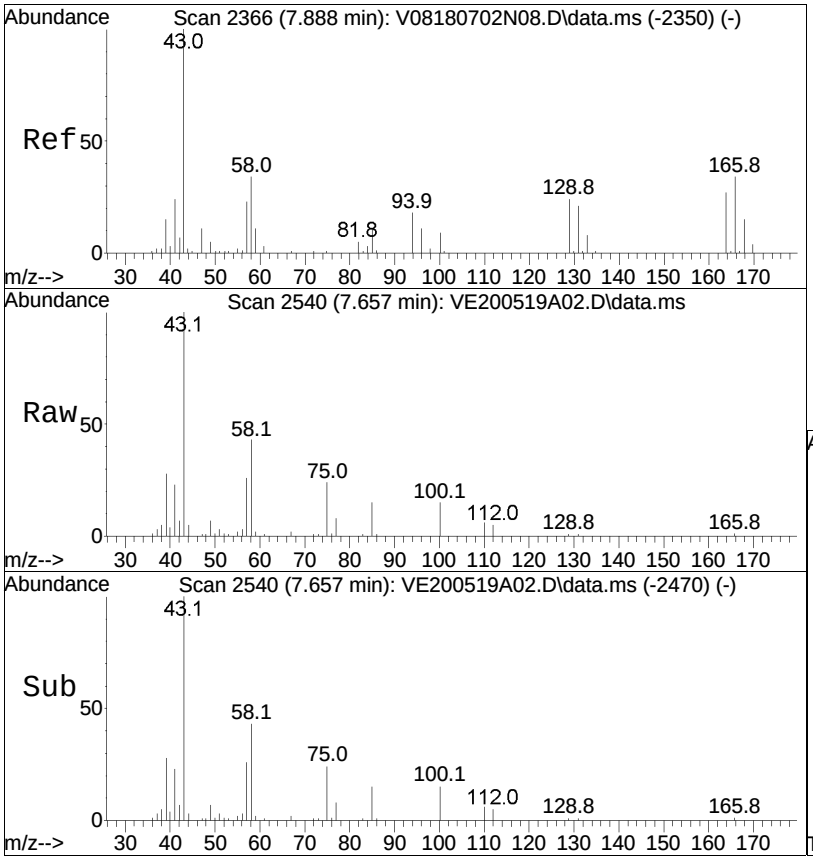


#61
Toluene
Concen: 9.24 ug/L
RT: 7.242 min Scan# 2391
Delta R.T. -0.003 min
Lab File: VE200519A02.D
Acq: 19 May 2020 9:05 am

Tgt Ion: 92 Resp: 97680

Ion	Ratio	Lower	Upper
92	100		
91	164.9	139.8	209.6

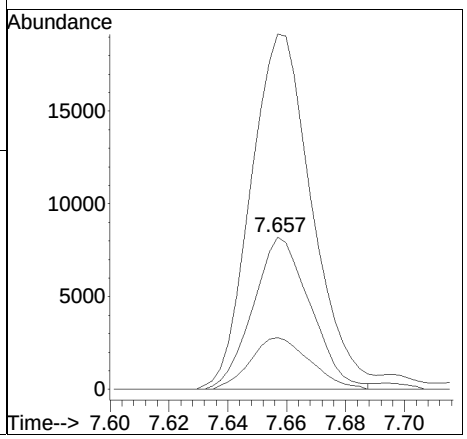


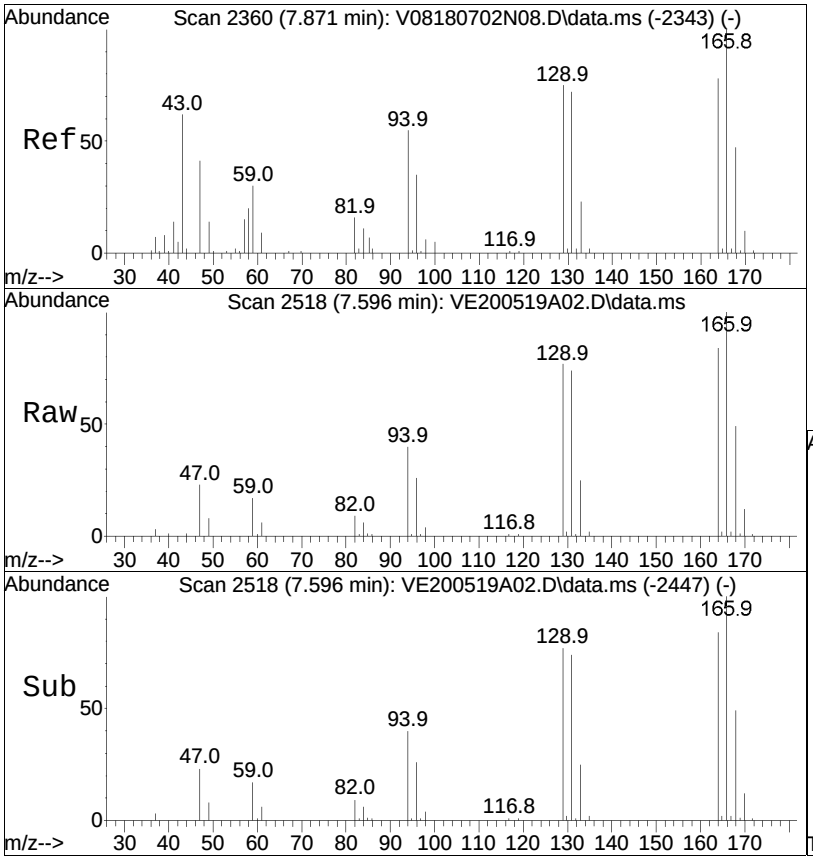


#62
4-Methyl-2-pentanone
Concen: 7.99 ug/L
RT: 7.657 min Scan# 2540
Delta R.T. -0.005 min
Lab File: VE200519A02.D
Acq: 19 May 2020 9:05 am

Tgt Ion: 58 Resp: 11109

Ion	Ratio	Lower	Upper
58	100		
100	35.5	20.2	30.2#
43	249.1	196.6	295.0

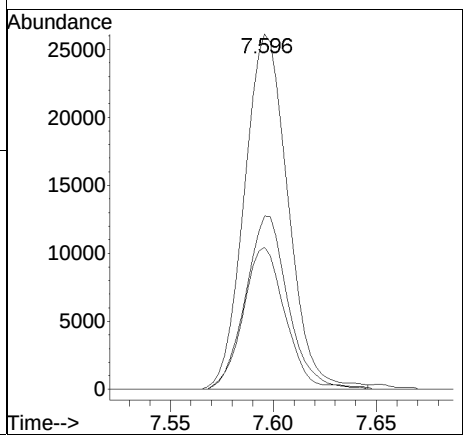


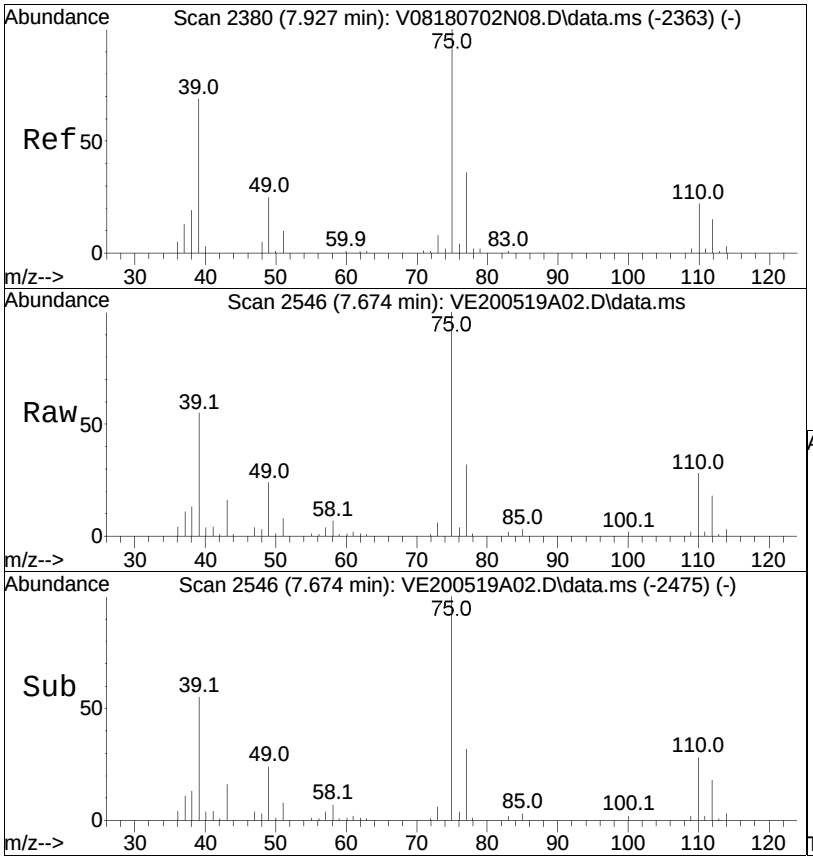


#63
Tetrachloroethene
Concen: 8.67 ug/L
RT: 7.596 min Scan# 2518
Delta R.T. -0.002 min
Lab File: VE200519A02.D
Acq: 19 May 2020 9:05 am

Tgt Ion:166 Resp: 38551

Ion	Ratio	Lower	Upper
166	100		
168	47.5	28.2	68.2
94	38.8	38.4	78.4

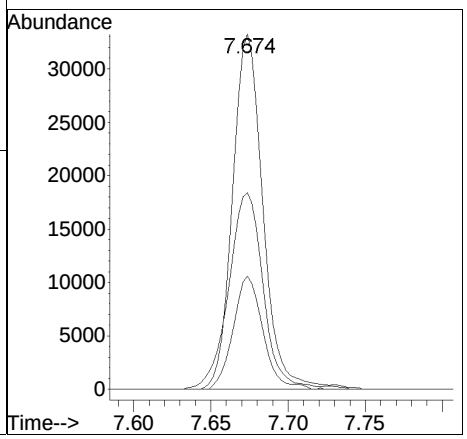


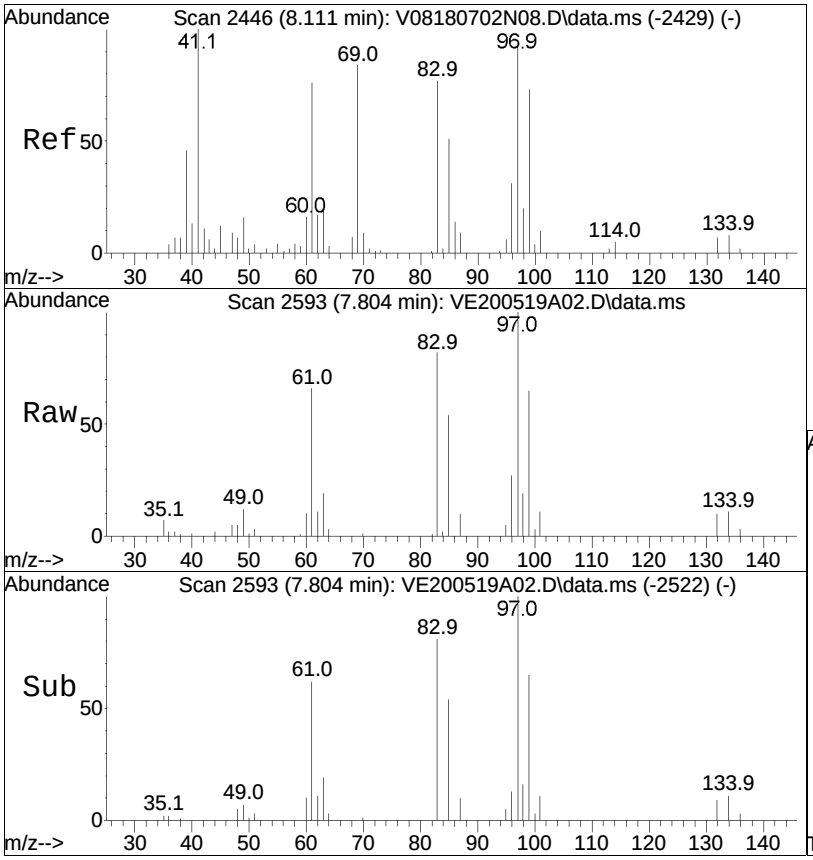


#65
trans-1,3-Dichloropropene
Concen: 7.59 ug/L
RT: 7.674 min Scan# 2546
Delta R.T. -0.002 min
Lab File: VE200519A02.D
Acq: 19 May 2020 9:05 am

Tgt Ion: 75 Resp: 45737

Ion	Ratio	Lower	Upper
75	100		
77	31.1	12.4	52.4
39	62.5	42.8	82.8

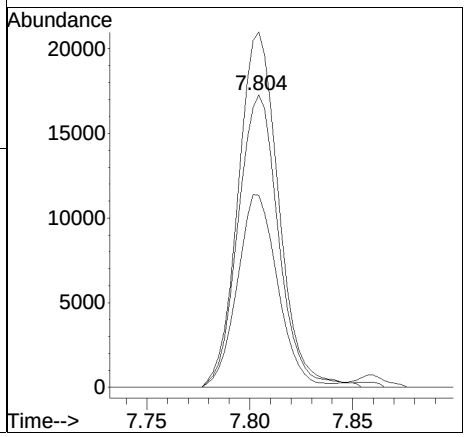


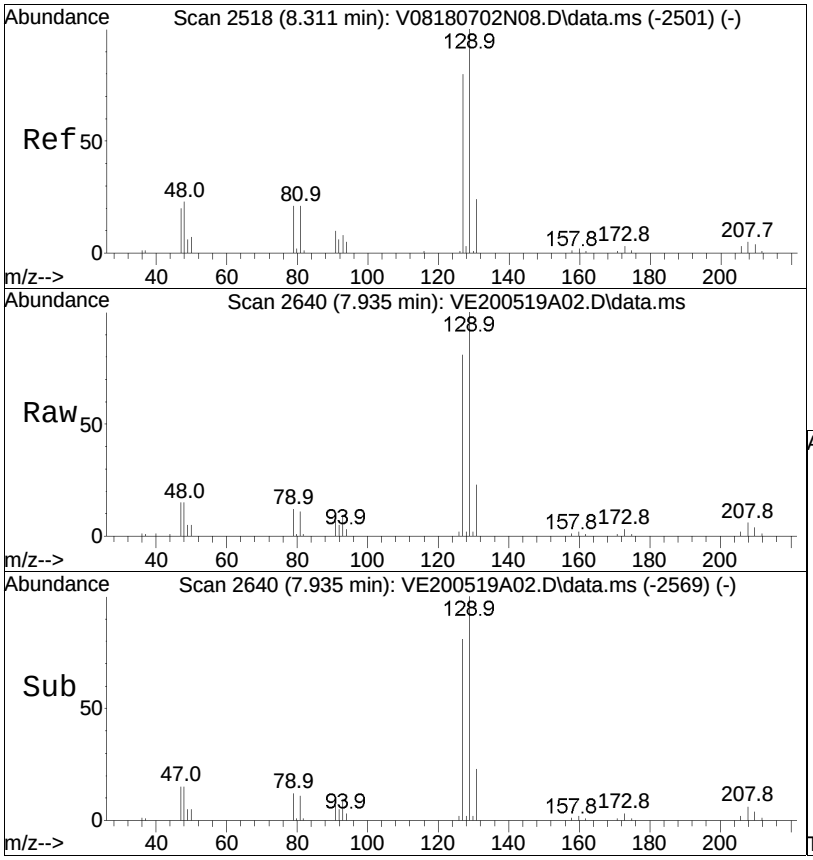


#68
1,1,2-Trichloroethane
Concen: 8.55 ug/L
RT: 7.804 min Scan# 2593
Delta R.T. -0.003 min
Lab File: VE200519A02.D
Acq: 19 May 2020 9:05 am

Tgt Ion: 83 Resp: 23736

Ion	Ratio	Lower	Upper
83	100		
97	121.0	89.8	129.8
85	65.7	44.4	84.4

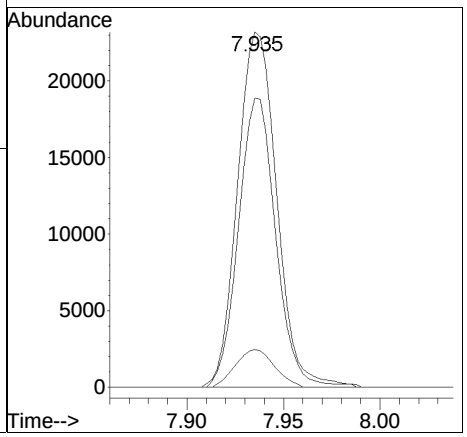


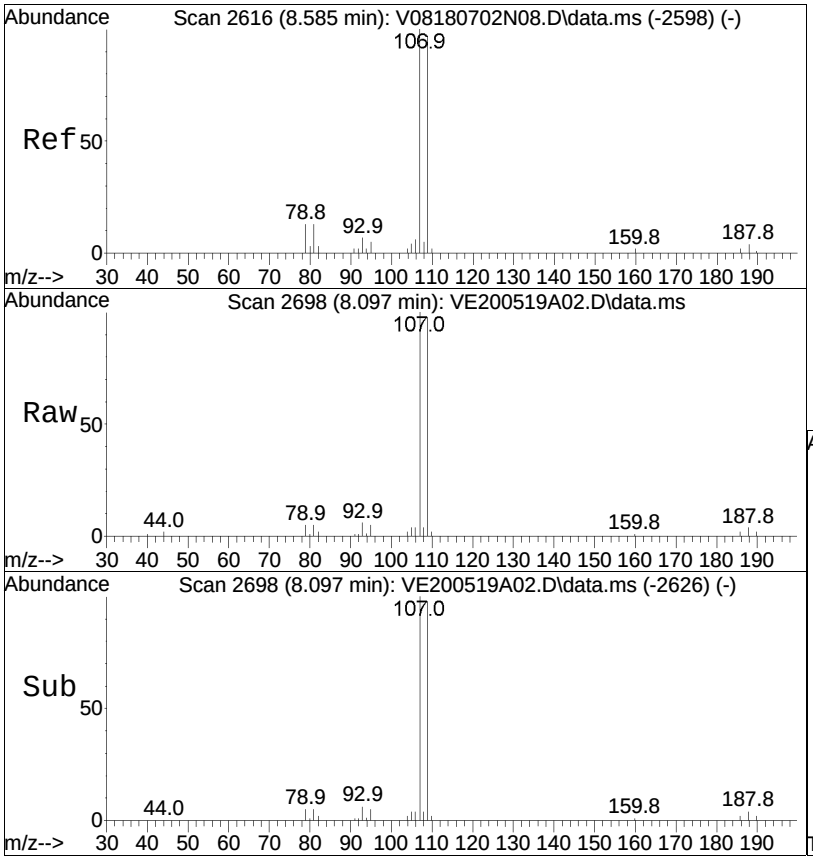


#69
Chlorodibromomethane
Concen: 8.62 ug/L
RT: 7.935 min Scan# 2640
Delta R.T. -0.003 min
Lab File: VE200519A02.D
Acq: 19 May 2020 9:05 am

Tgt Ion:129 Resp: 32811

Ion	Ratio	Lower	Upper
129	100		
81	10.7	2.9	42.9
127	77.4	57.8	97.8

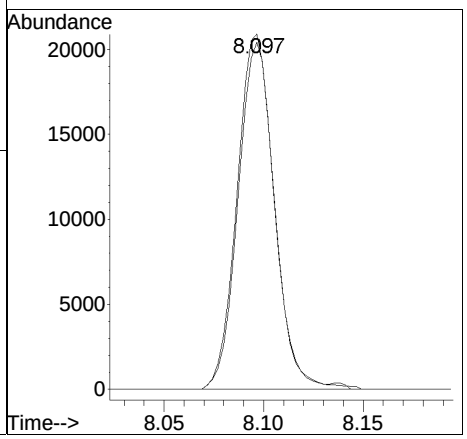


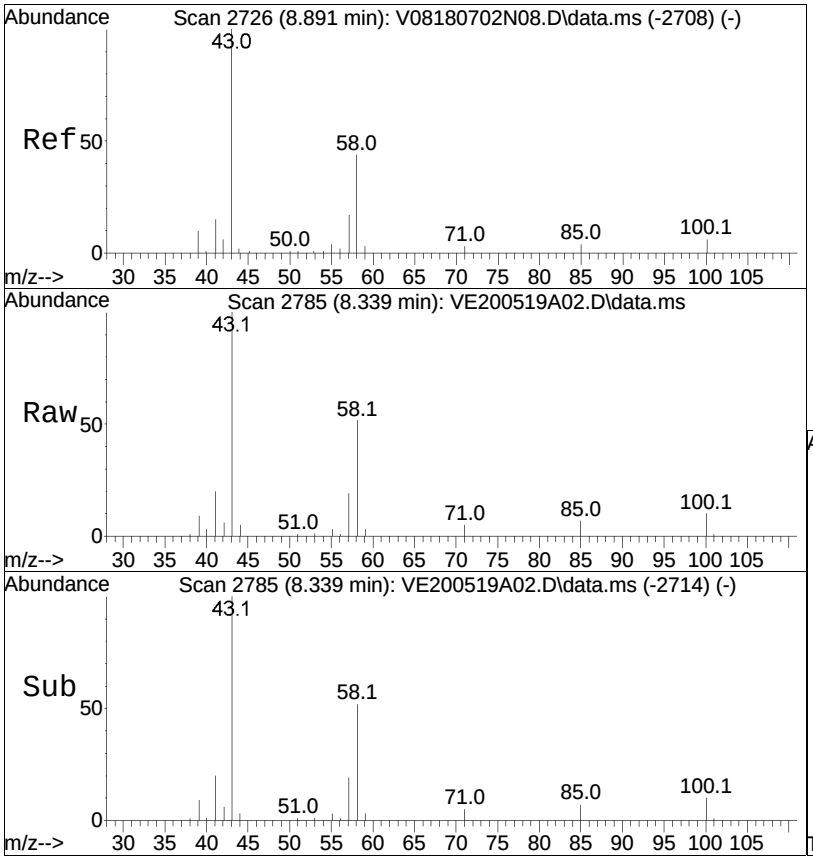


#71
1,2-Dibromoethane
Concen: 8.44 ug/L
RT: 8.097 min Scan# 2698
Delta R.T. 0.001 min
Lab File: VE200519A02.D
Acq: 19 May 2020 9:05 am

Tgt Ion:107 Resp: 27176

Ion	Ratio	Lower	Upper
107	100		
109	95.3	74.3	111.5

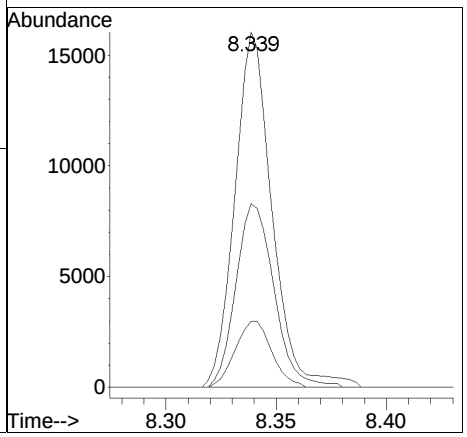


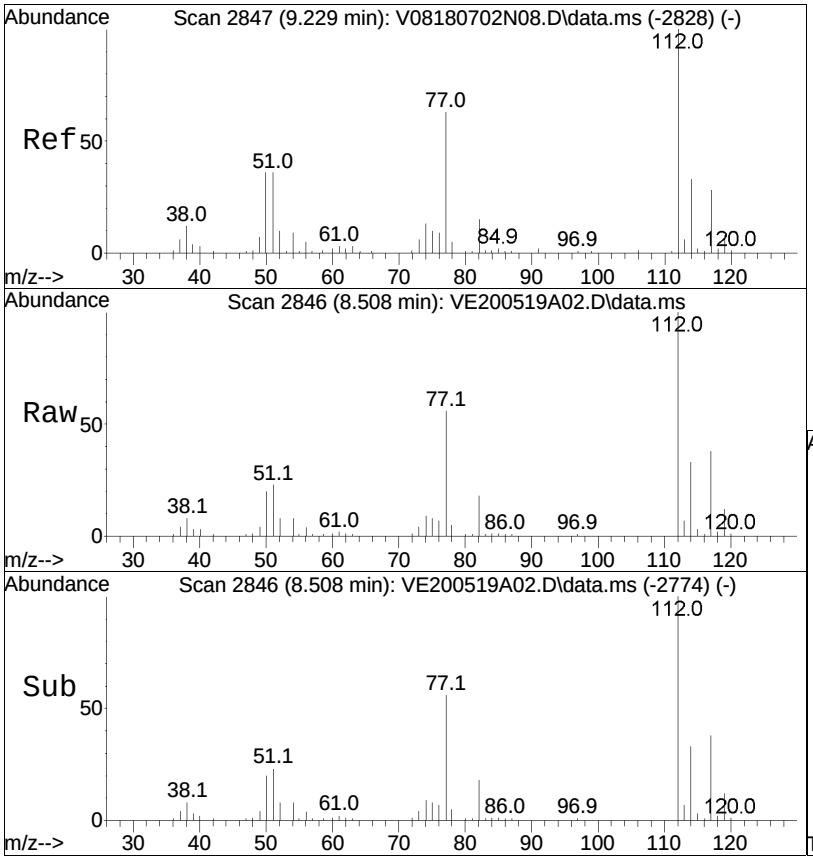


#72
2-Hexanone
Concen: 7.25 ug/L
RT: 8.339 min Scan# 2785
Delta R.T. -0.002 min
Lab File: VE200519A02.D
Acq: 19 May 2020 9:05 am

Tgt Ion: 43 Resp: 18809

Ion	Ratio	Lower	Upper
43	100		
58	53.2	41.2	61.8
57	18.4	17.2	25.8

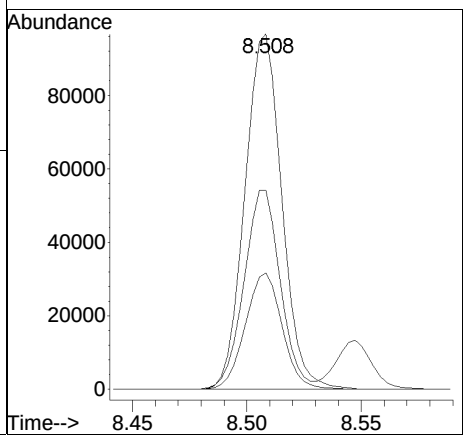


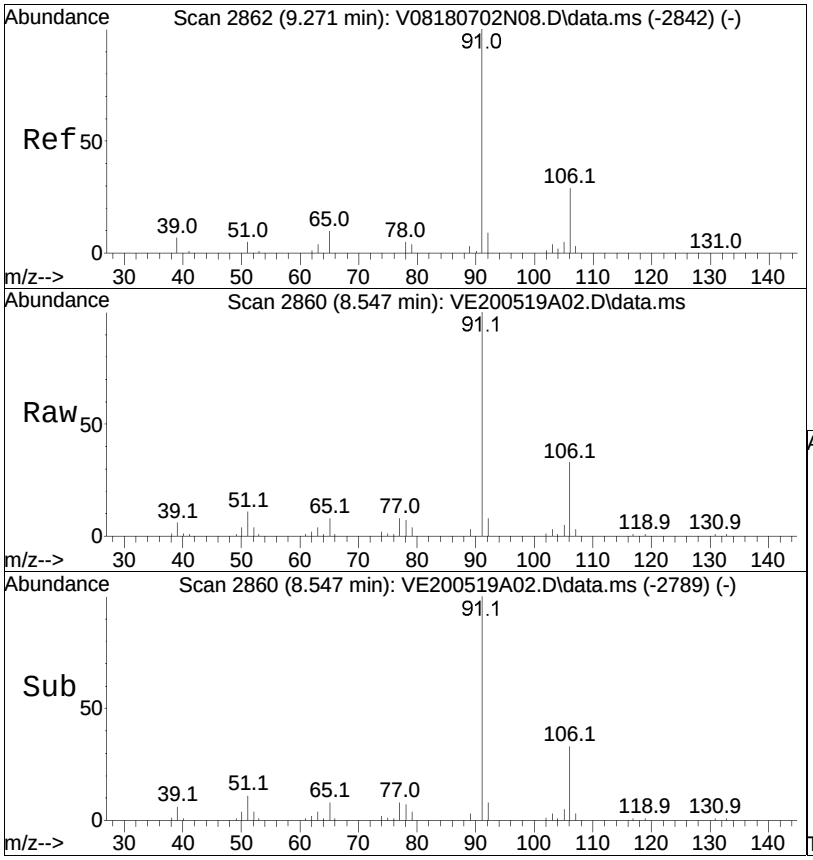


#73
Chlorobenzene
Concen: 9.62 ug/L
RT: 8.508 min Scan# 2846
Delta R.T. 0.000 min
Lab File: VE200519A02.D
Acq: 19 May 2020 9:05 am

Tgt Ion:112 Resp: 108681

Ion	Ratio	Lower	Upper
112	100		
77	55.4	55.4	83.0#
114	32.7	25.4	38.2

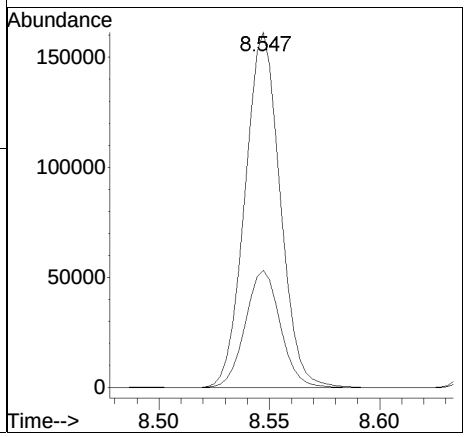


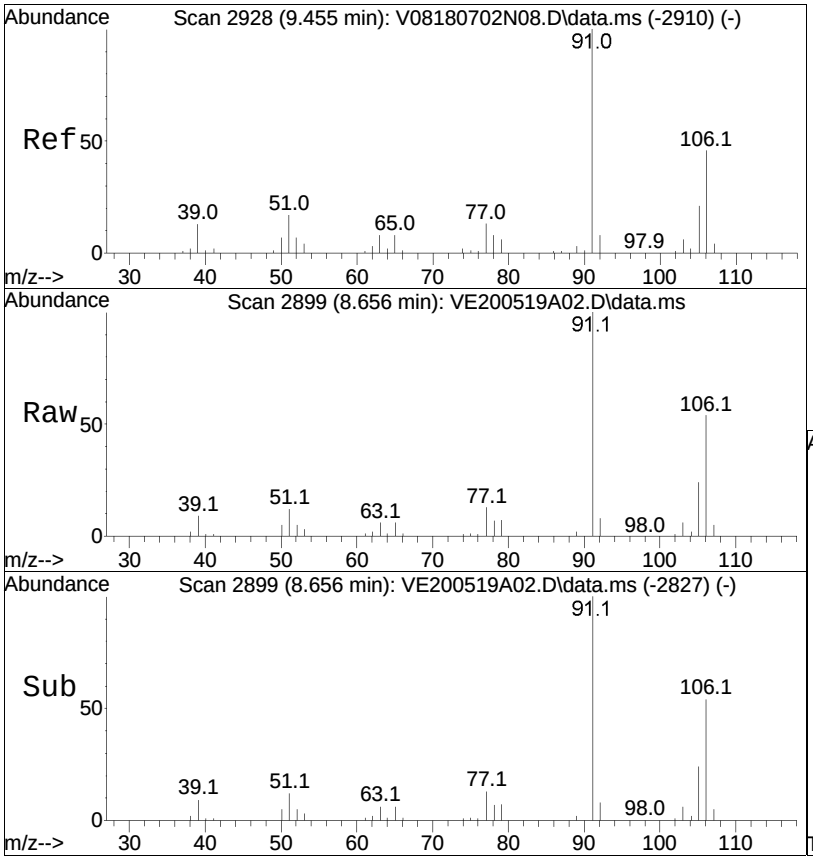


#74
Ethylbenzene
Concen: 9.29 ug/L
RT: 8.547 min Scan# 2860
Delta R.T. -0.003 min
Lab File: VE200519A02.D
Acq: 19 May 2020 9:05 am

Tgt Ion: 91 Resp: 178586

Ion	Ratio	Lower	Upper
91	100		
106	32.7	24.3	36.5

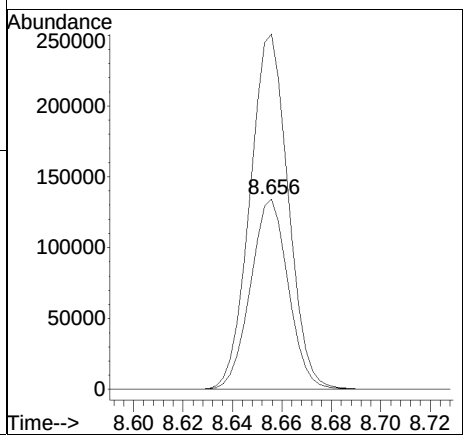


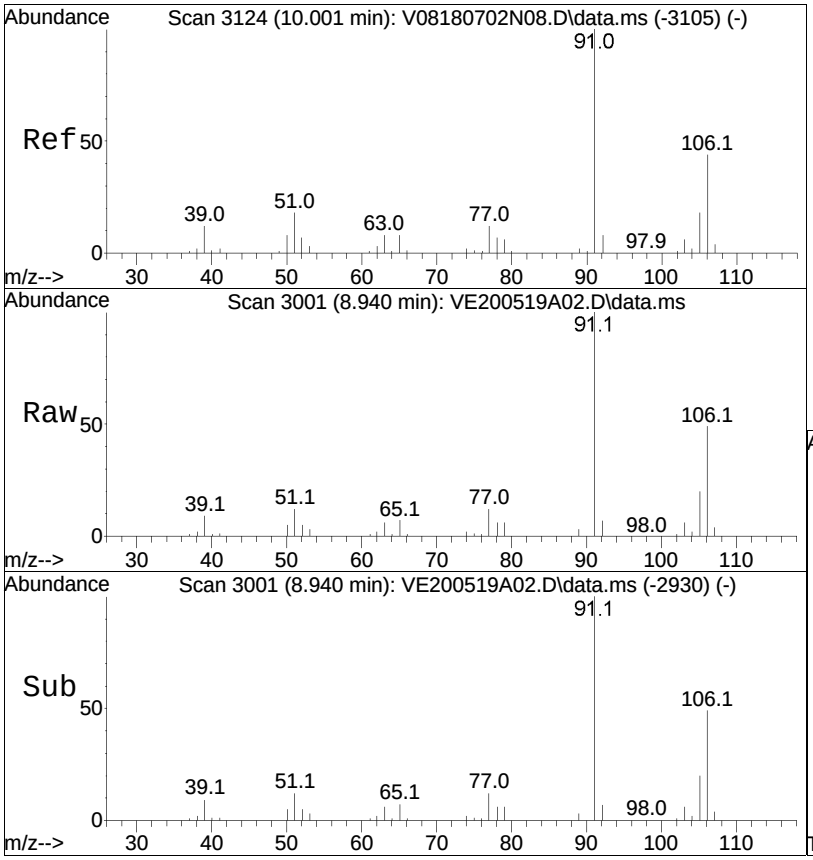


#76
p/m Xylene
Concen: 18.63 ug/L
RT: 8.656 min Scan# 2899
Delta R.T. -0.000 min
Lab File: VE200519A02.D
Acq: 19 May 2020 9:05 am

Tgt Ion:106 Resp: 142664

Ion	Ratio	Lower	Upper
106	100		
91	188.9	166.4	249.6

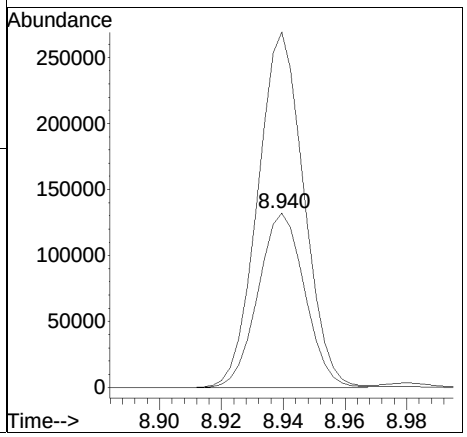


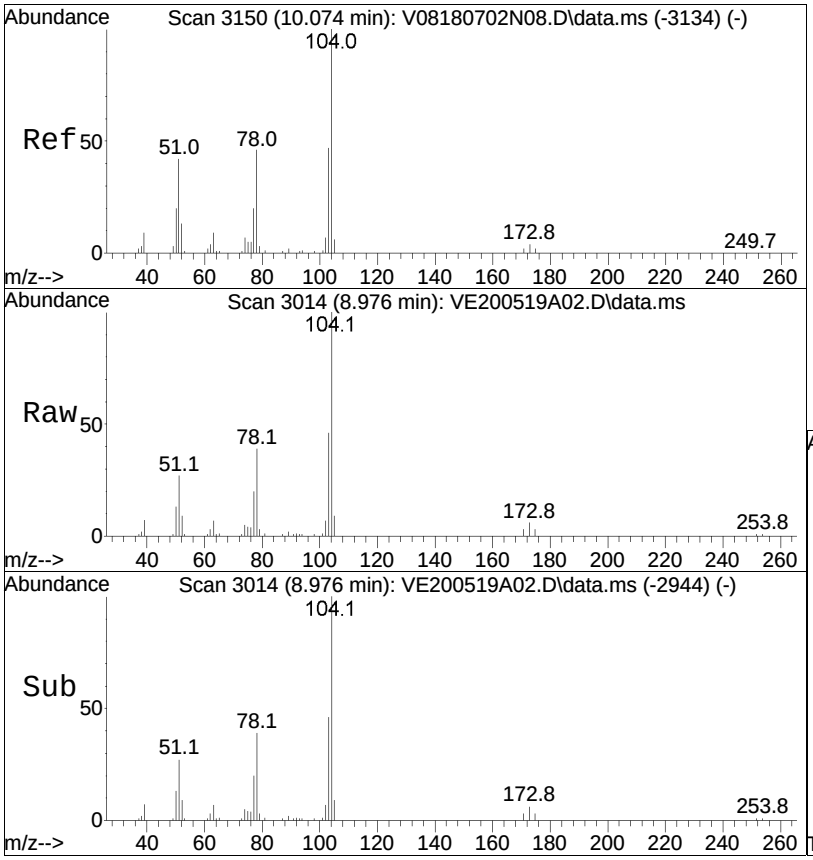


#77
o Xylene
Concen: 18.89 ug/L
RT: 8.940 min Scan# 3001
Delta R.T. -0.002 min
Lab File: VE200519A02.D
Acq: 19 May 2020 9:05 am

Tgt Ion:106 Resp: 138450

Ion	Ratio	Lower	Upper
106	100		
91	201.8	182.6	273.8

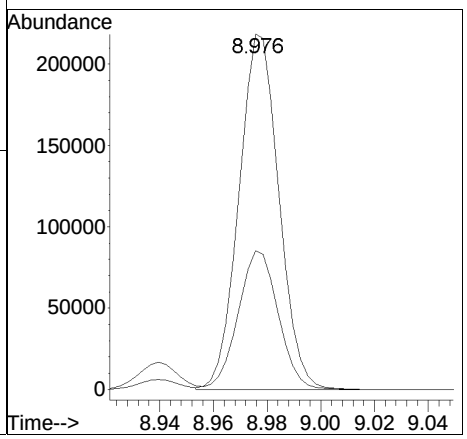


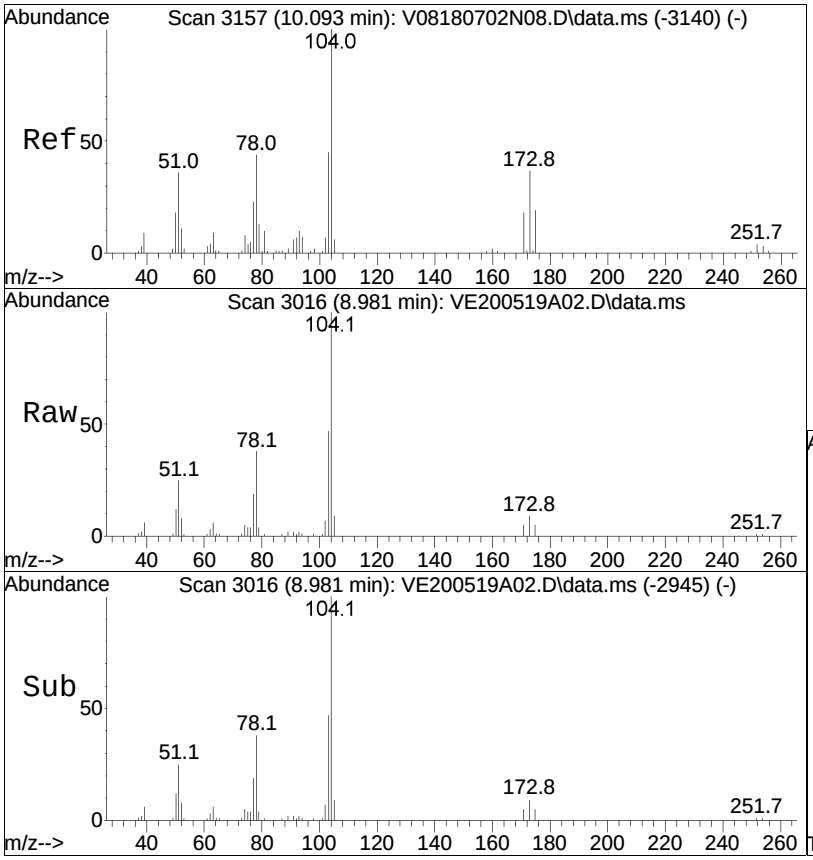


#78
Styrene
Concen: 18.92 ug/L
RT: 8.976 min Scan# 3014
Delta R.T. -0.005 min
Lab File: VE200519A02.D
Acq: 19 May 2020 9:05 am

Tgt Ion:104 Resp: 225706

Ion	Ratio	Lower	Upper
104	100		
78	39.0	39.8	59.6#

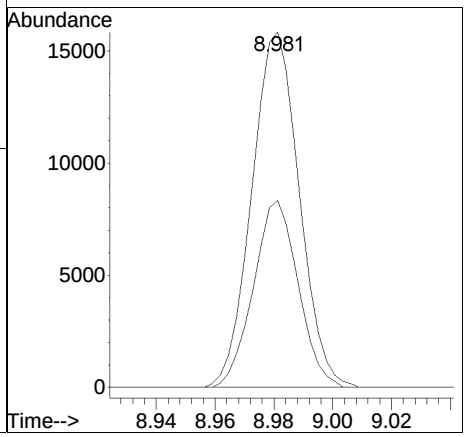


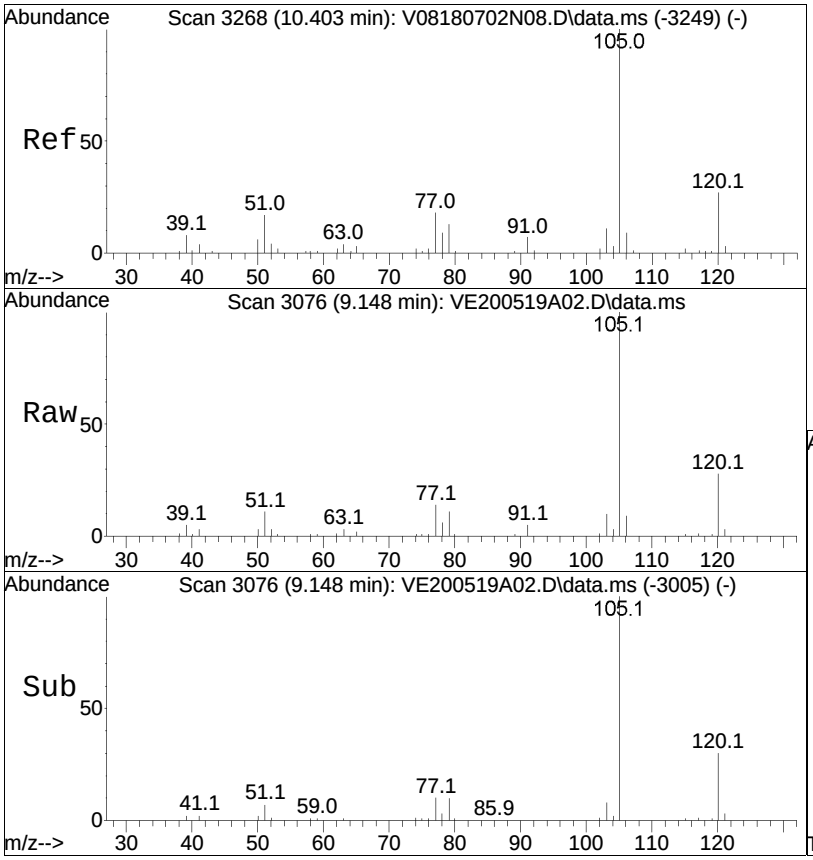


#80
Bromoform
Concen: 7.76 ug/L
RT: 8.981 min Scan# 3016
Delta R.T. -0.003 min
Lab File: VE200519A02.D
Acq: 19 May 2020 9:05 am

Tgt Ion:173 Resp: 17759

Ion	Ratio	Lower	Upper
173	100		
175	49.5	31.5	71.5

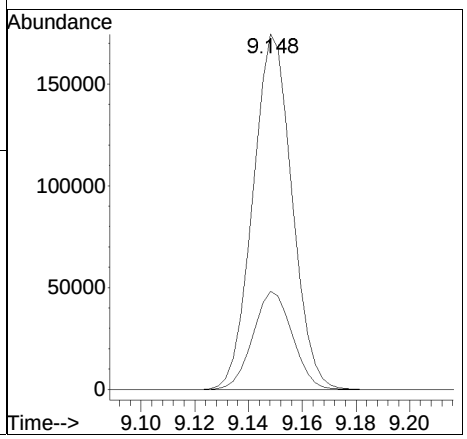


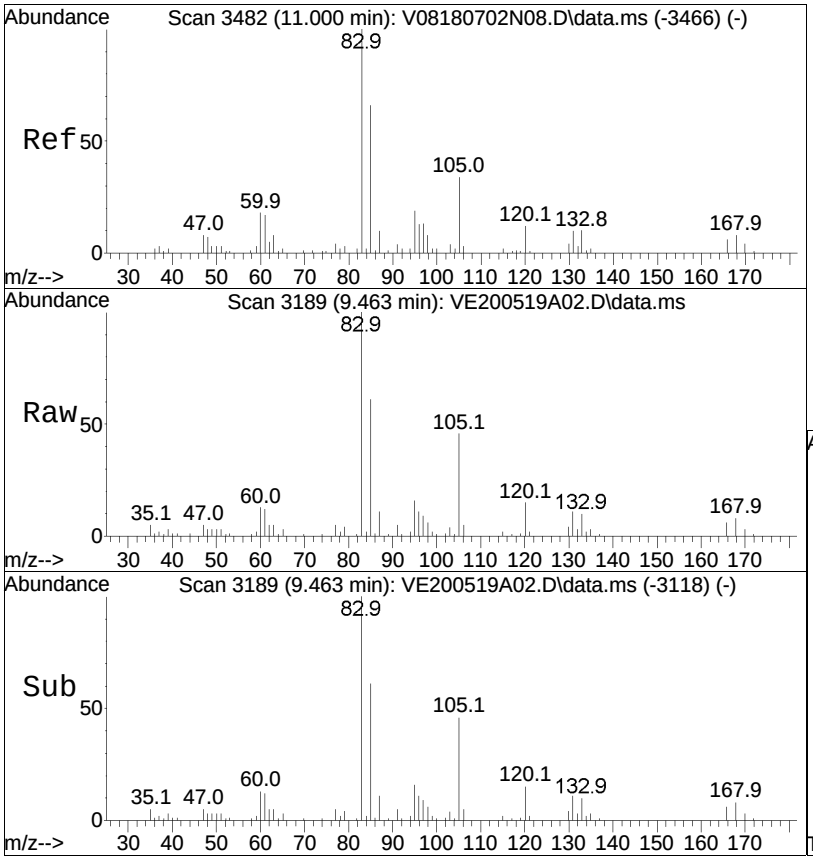


#82
Isopropylbenzene
Concen: 9.30 ug/L
RT: 9.148 min Scan# 3076
Delta R.T. -0.003 min
Lab File: VE200519A02.D
Acq: 19 May 2020 9:05 am

Tgt Ion:105 Resp: 176456

Ion	Ratio	Lower	Upper
105	100		
120	27.8	4.8	44.8

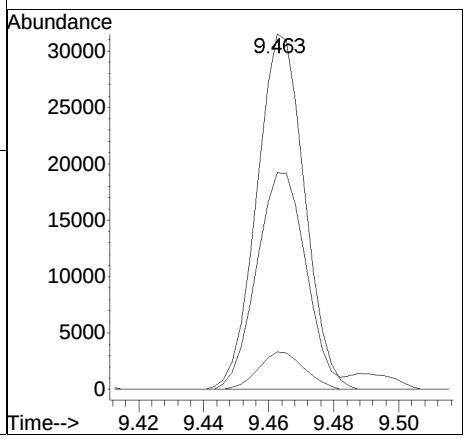


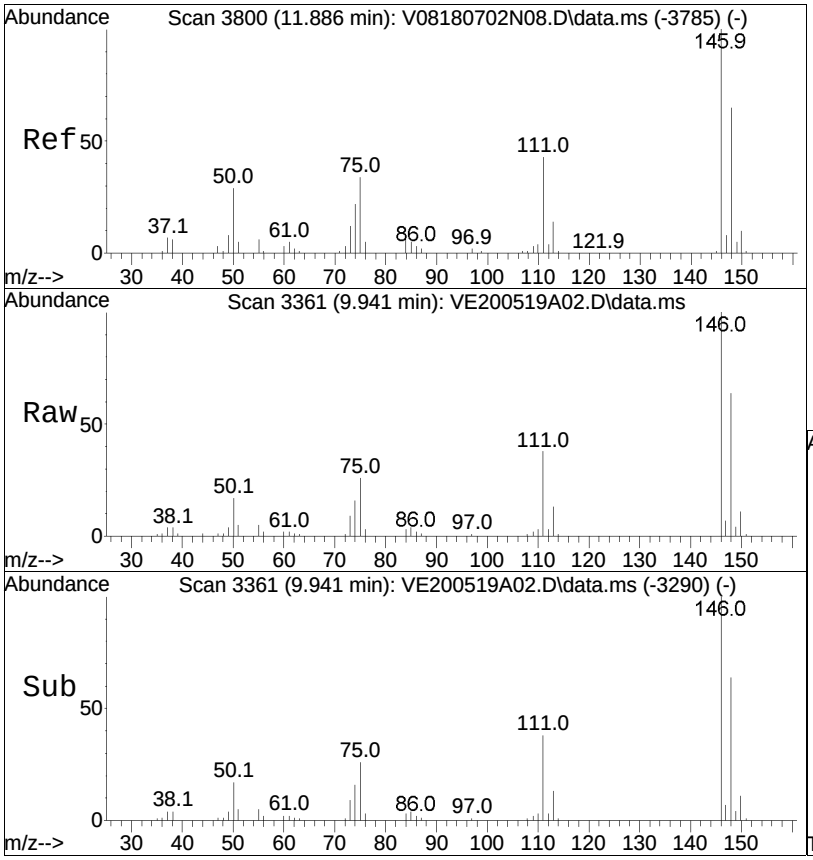


#87
1,1,2,2-Tetrachloroethane
Concen: 8.71 ug/L
RT: 9.463 min Scan# 3189
Delta R.T. -0.002 min
Lab File: VE200519A02.D
Acq: 19 May 2020 9:05 am

Tgt Ion: 83 Resp: 32123

Ion	Ratio	Lower	Upper
83	100		
131	10.2	0.0	30.4
85	63.5	45.4	85.4

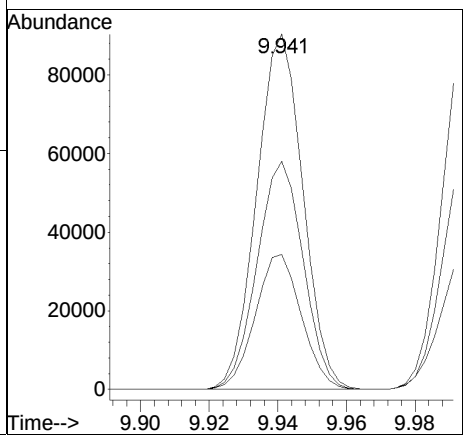


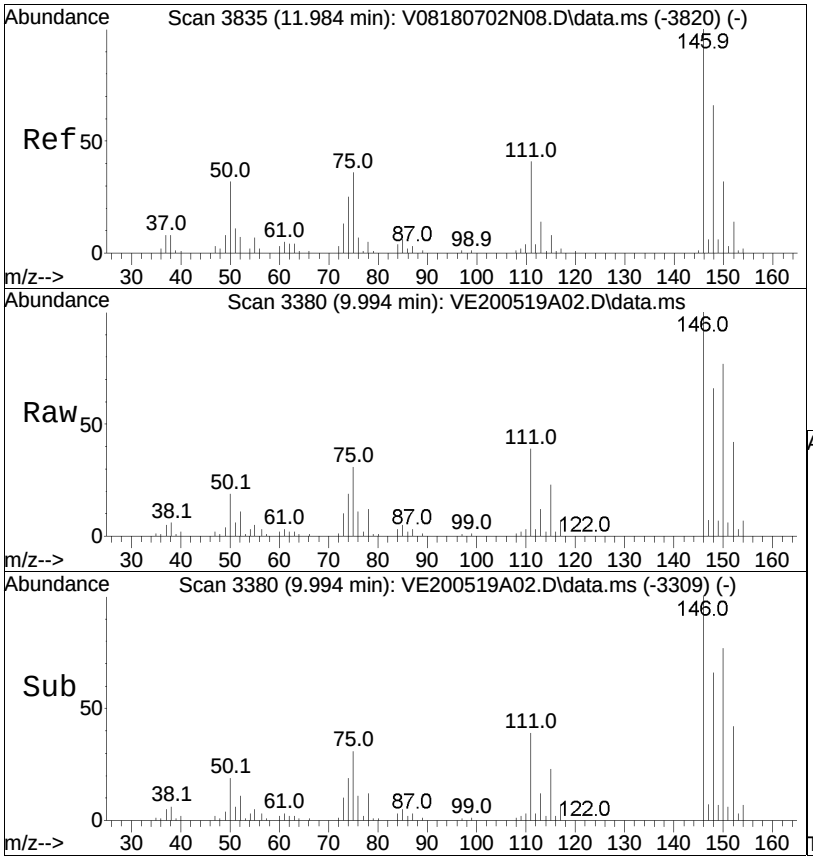


#100
1,3-Dichlorobenzene
Concen: 9.54 ug/L
RT: 9.941 min Scan# 3361
Delta R.T. -0.003 min
Lab File: VE200519A02.D
Acq: 19 May 2020 9:05 am

Tgt Ion:146 Resp: 84461

Ion	Ratio	Lower	Upper
146	100		
111	38.0	27.5	57.1
148	64.2	41.9	86.9

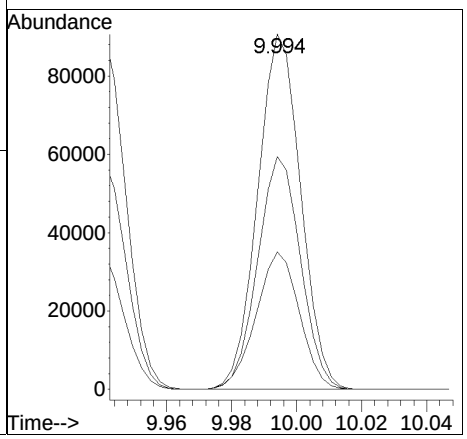


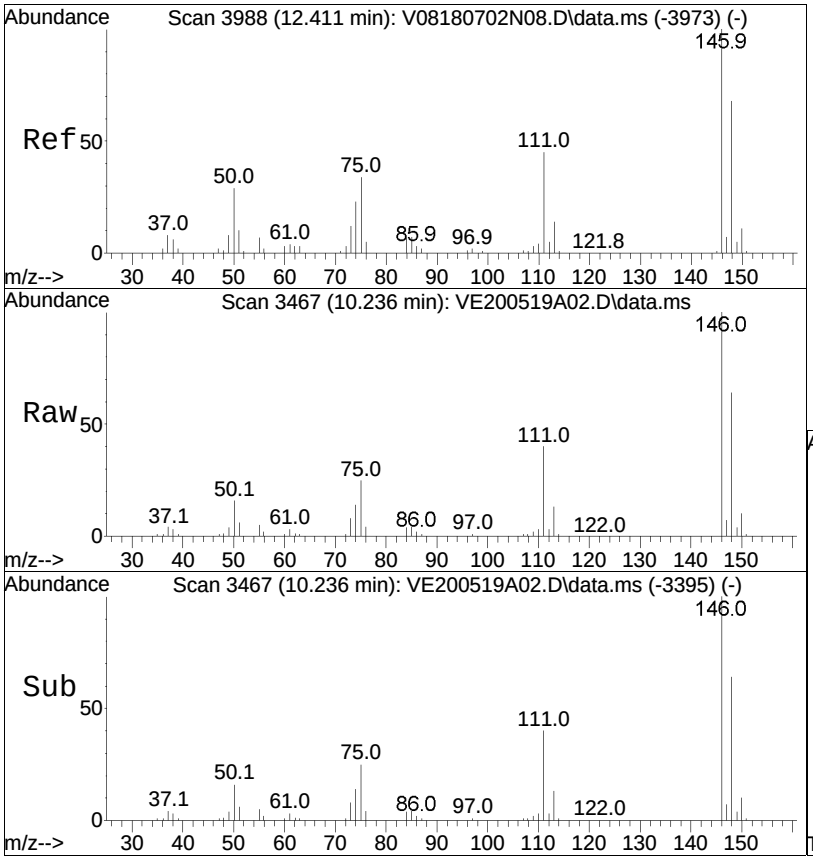


#101
1,4-Dichlorobenzene
Concen: 9.43 ug/L
RT: 9.994 min Scan# 3380
Delta R.T. -0.003 min
Lab File: VE200519A02.D
Acq: 19 May 2020 9:05 am

Tgt Ion:146 Resp: 83564

Ion	Ratio	Lower	Upper
146	100		
111	39.0	32.3	48.5
148	65.3	49.9	74.9

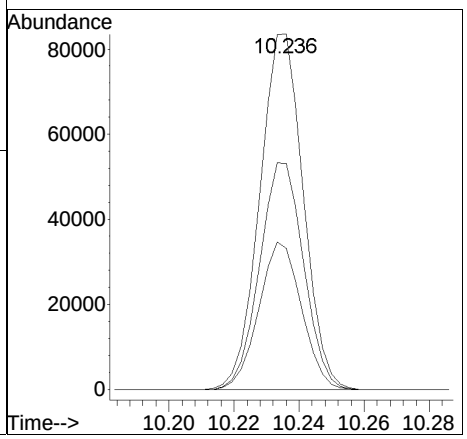


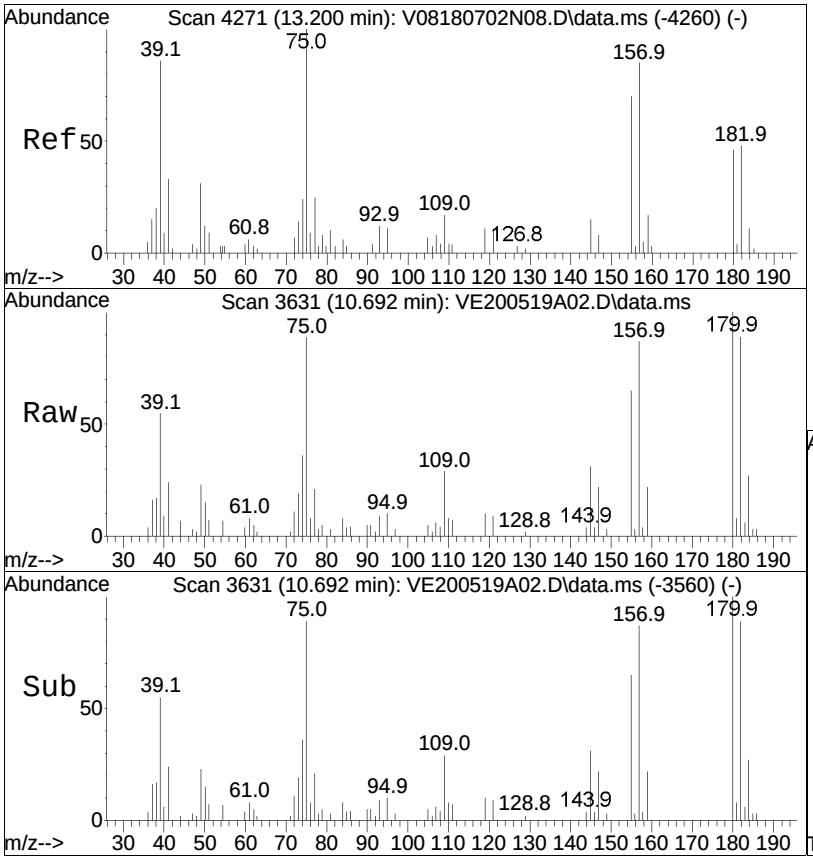


#104
1,2-Dichlorobenzene
Concen: 9.35 ug/L
RT: 10.236 min Scan# 3467
Delta R.T. 0.000 min
Lab File: VE200519A02.D
Acq: 19 May 2020 9:05 am

Tgt Ion:146 Resp: 77713

Ion	Ratio	Lower	Upper
146	100		
111	40.7	28.3	58.7
148	64.4	42.3	87.8

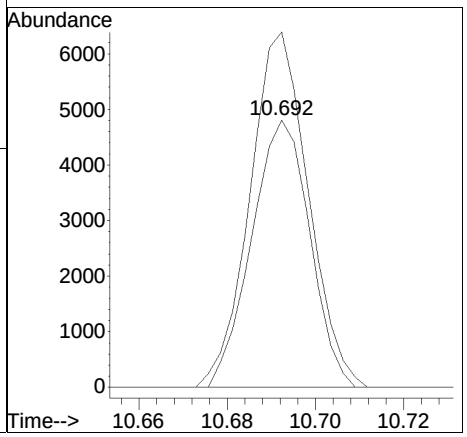


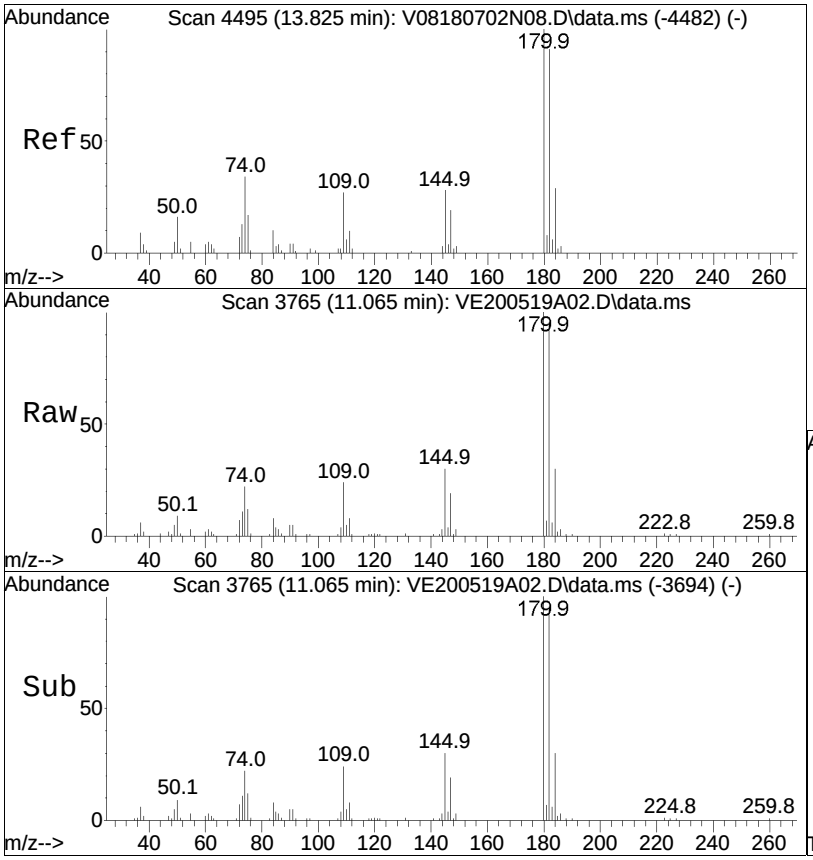


#106
1,2-Dibromo-3-chloropropane
Concen: 6.90 ug/L
RT: 10.692 min Scan# 3631
Delta R.T. -0.003 min
Lab File: VE200519A02.D
Acq: 19 May 2020 9:05 am

Tgt Ion:155 Resp: 4395

Ion	Ratio	Lower	Upper
155	100		
157	133.8	94.8	142.2

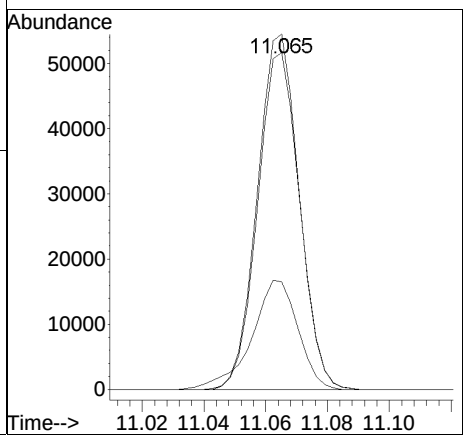


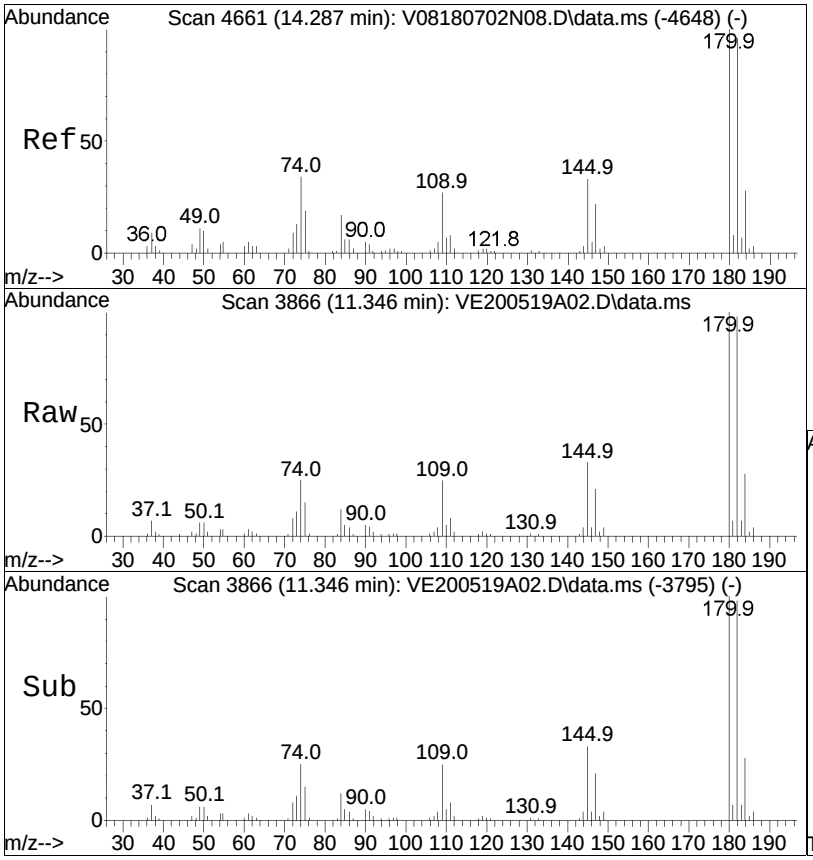


#109
1,2,4-Trichlorobenzene
Concen: 8.92 ug/L
RT: 11.065 min Scan# 3765
Delta R.T. -0.003 min
Lab File: VE200519A02.D
Acq: 19 May 2020 9:05 am

Tgt Ion:180 Resp: 51130

Ion	Ratio	Lower	Upper
180	100		
182	95.3	77.3	115.9
145	34.0	28.1	42.1

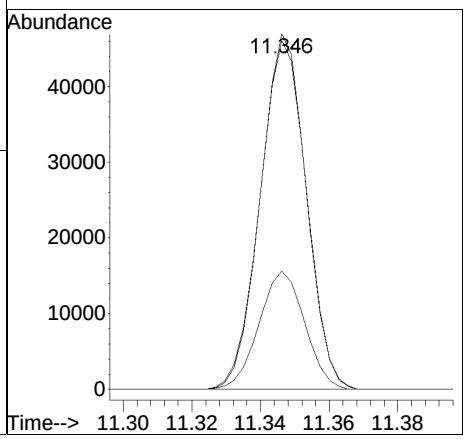




#111
1,2,3-Trichlorobenzene
Concen: 8.33 ug/L
RT: 11.346 min Scan# 3866
Delta R.T. -0.003 min
Lab File: VE200519A02.D
Acq: 19 May 2020 9:05 am

Tgt Ion:180 Resp: 43456

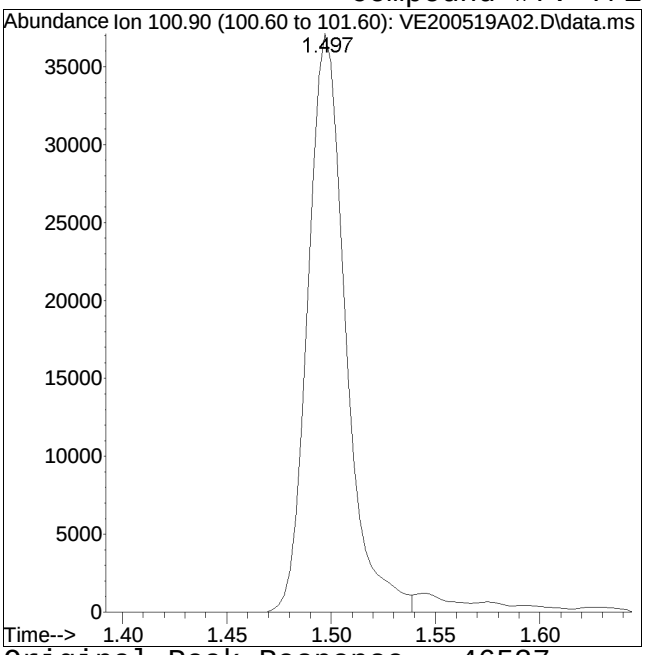
Ion	Ratio	Lower	Upper
180	100		
182	99.0	76.4	114.6
145	33.3	26.4	39.6



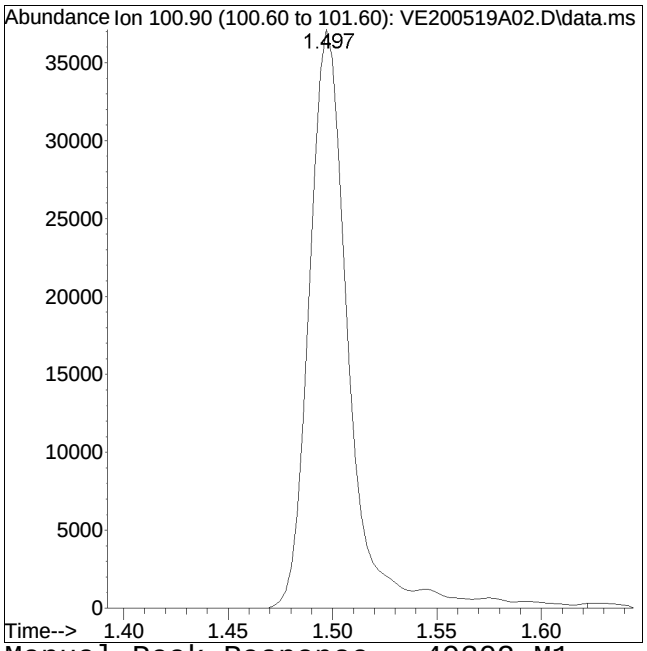
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200519A02.D Operator : ELAINE:PD
Date Inj'd : 5/19/2020 9:05 am Instrument : Elaine
Sample : WG1372327-3,31,10,10 Quant Date : 5/19/2020 10:52 am

Compound #7: Trichlorofluoromethane



Original Peak Response = 46537



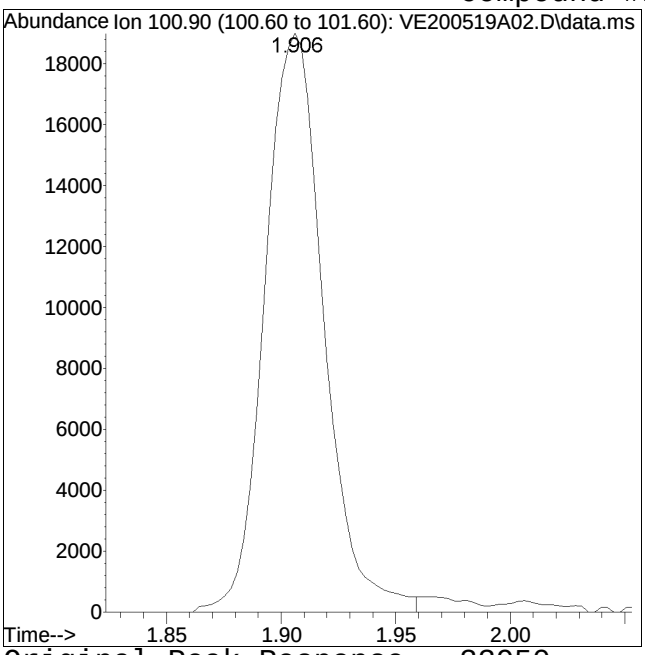
Manual Peak Response = 49302 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

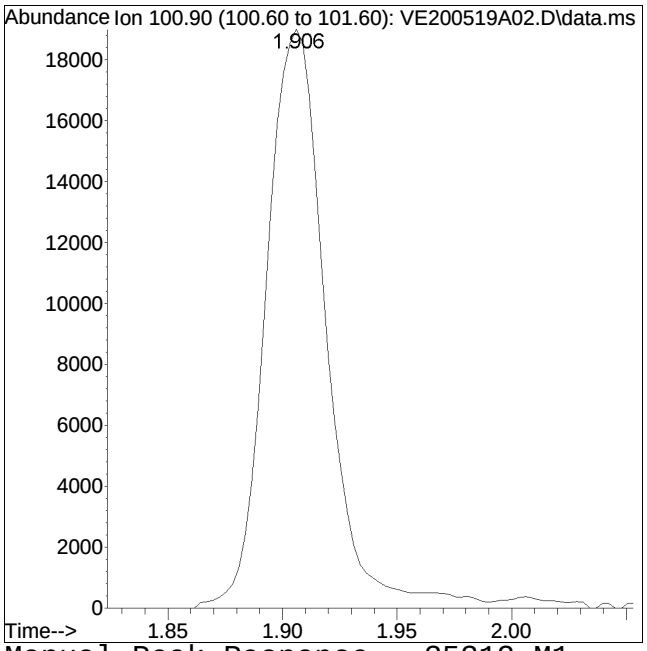
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200519A02.D Operator : ELAINE:PD
Date Inj'd : 5/19/2020 9:05 am Instrument : Elaine
Sample : WG1372327-3,31,10,10 Quant Date : 5/19/2020 10:52 am

Compound #12: Freon-113



Original Peak Response = 33950



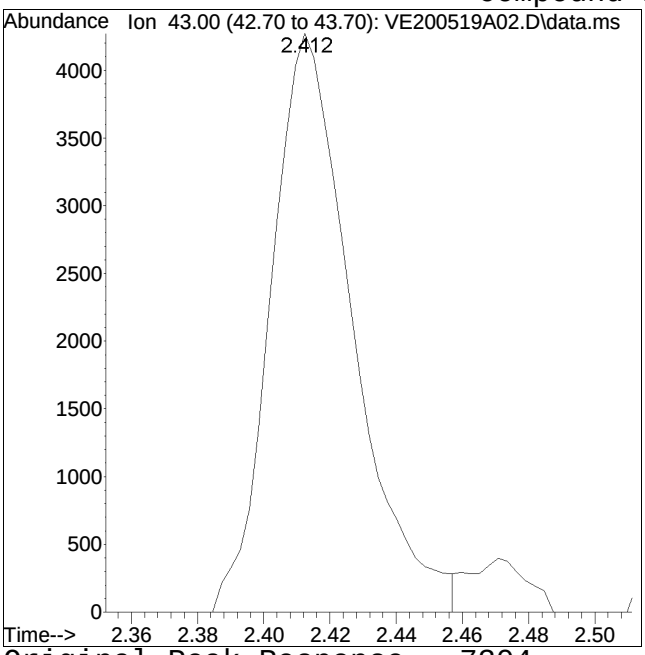
Manual Peak Response = 35312 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

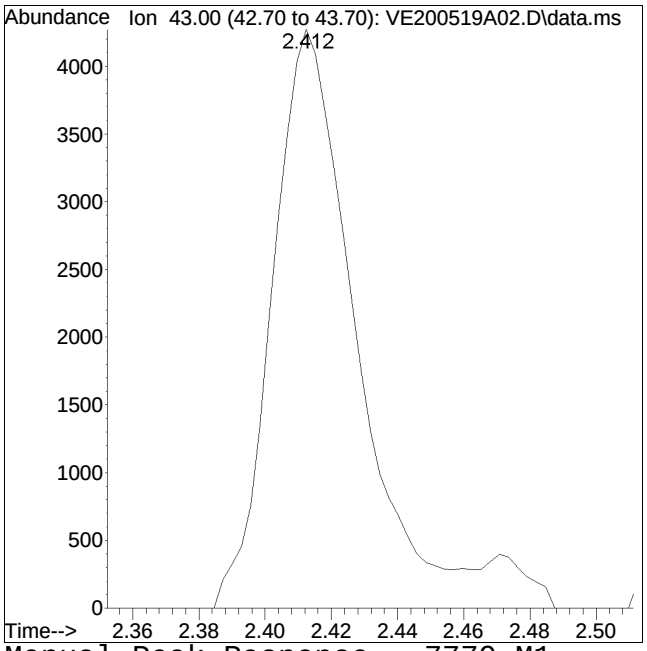
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200519A02.D Operator : ELAINE:PD
Date Inj'd : 5/19/2020 9:05 am Instrument : Elaine
Sample : WG1372327-3,31,10,10 Quant Date : 5/19/2020 10:52 am

Compound #17: Acetone



Original Peak Response = 7304



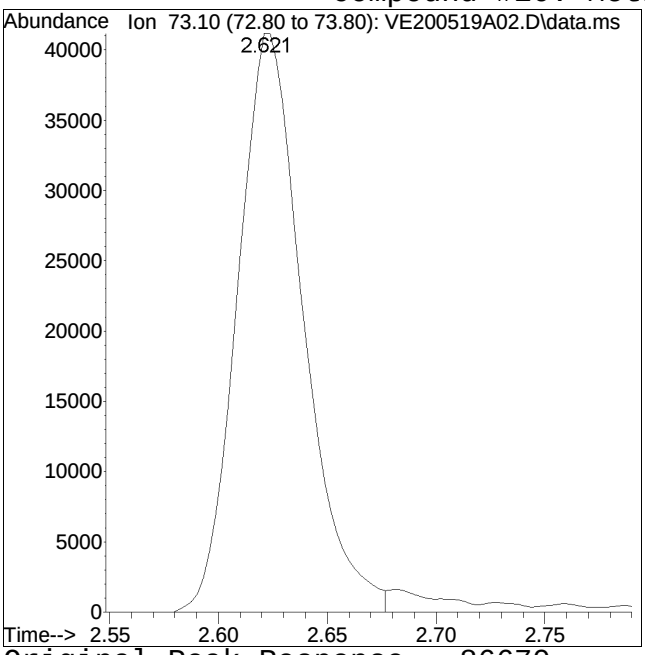
Manual Peak Response = 7779 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

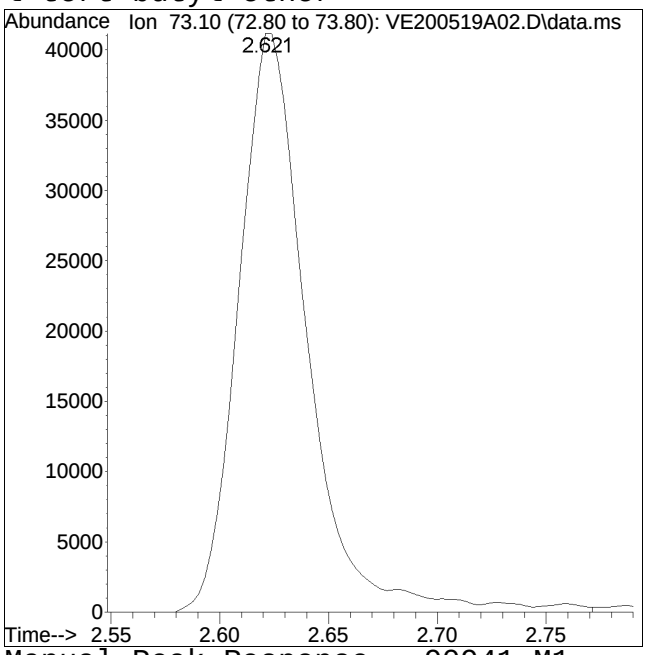
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200519A02.D Operator : ELAINE:PD
Date Inj'd : 5/19/2020 9:05 am Instrument : Elaine
Sample : WG1372327-3,31,10,10 Quant Date : 5/19/2020 10:52 am

Compound #20: Methyl tert-butyl ether



Original Peak Response = 86670



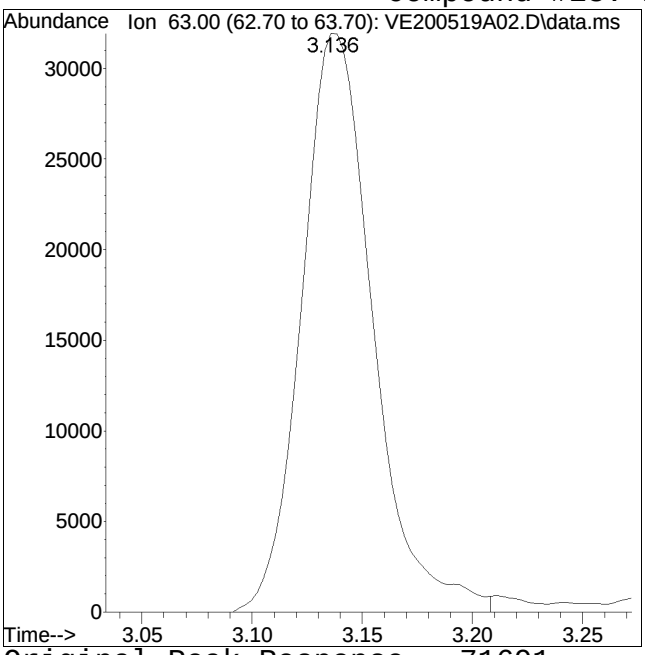
Manual Peak Response = 90941 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

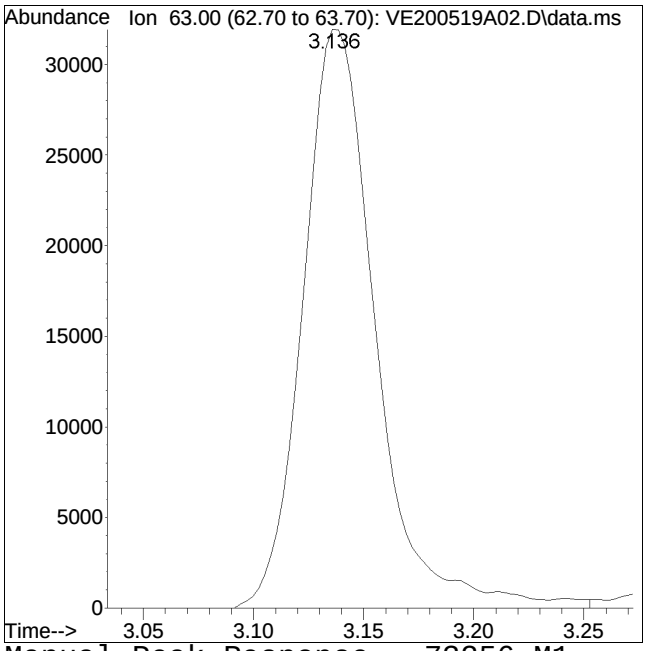
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200519A02.D Operator : ELAINE:PD
Date Inj'd : 5/19/2020 9:05 am Instrument : Elaine
Sample : WG1372327-3,31,10,10 Quant Date : 5/19/2020 10:52 am

Compound #23: 1,1-Dichloroethane



Original Peak Response = 71691



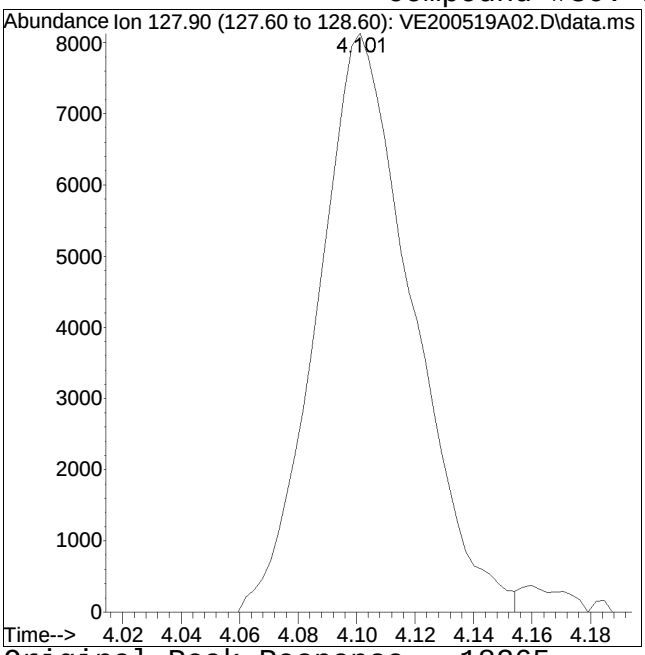
Manual Peak Response = 73256 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

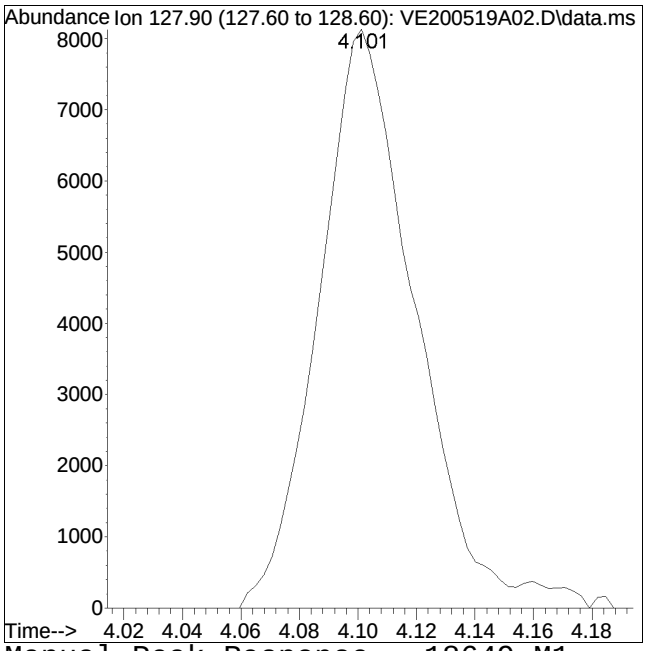
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200519A02.D Operator : ELAINE:PD
Date Inj'd : 5/19/2020 9:05 am Instrument : Elaine
Sample : WG1372327-3,31,10,10 Quant Date : 5/19/2020 10:52 am

Compound #30: Bromochloromethane



Original Peak Response = 18265



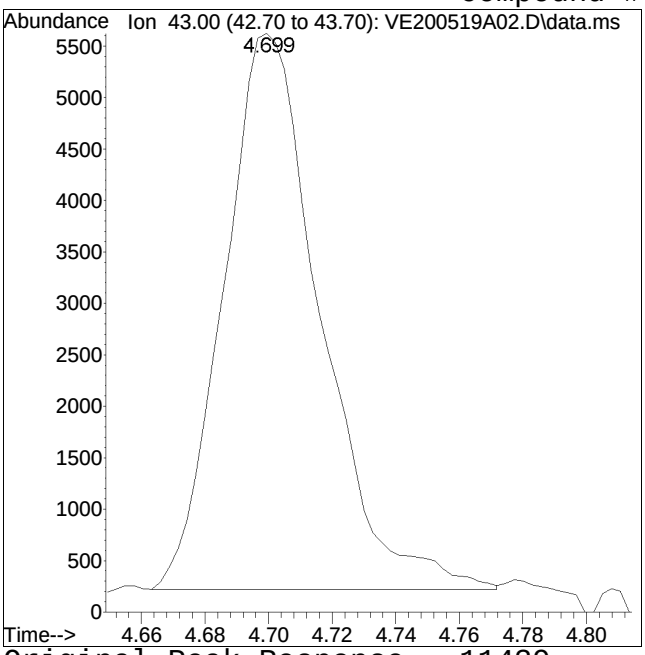
Manual Peak Response = 18649 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

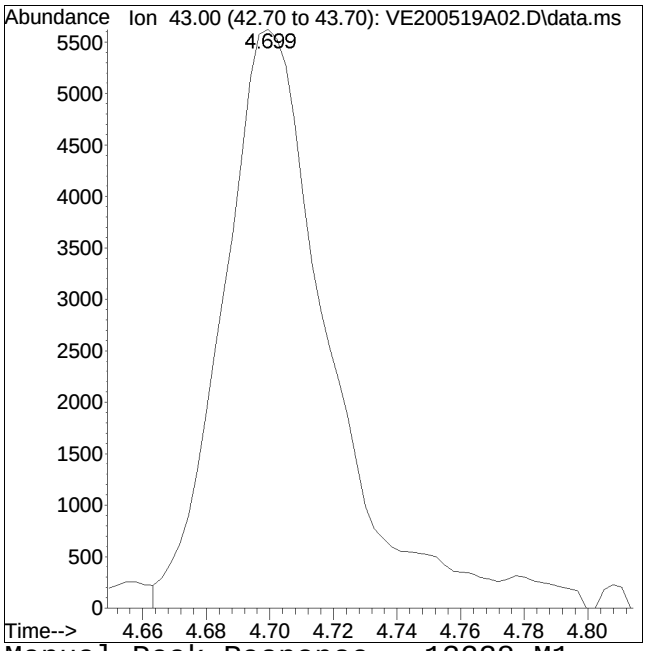
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200519A02.D Operator : ELAINE:PD
Date Inj'd : 5/19/2020 9:05 am Instrument : Elaine
Sample : WG1372327-3,31,10,10 Quant Date : 5/19/2020 10:52 am

Compound #39: 2-Butanone



Original Peak Response = 11439



Manual Peak Response = 13238 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2020\200518N\
Data File : V05200518N02.d
Acq On : 18 May 2020 6:28 pm
Operator : VOA105:AJK
Sample : WG1372229-4,31,10,10
Misc : WG1372229,ICAL16595
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 18 18:56:00 2020
Quant Method : I:\VOLATILES\VOA105\2020\200518N\V105_200313N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Mar 15 01:23:14 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2020\200518N\V05200518N01.d
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.036	96	1095339	10.000	ug/L	0.00
Standard Area 1 = 1103307			Recovery =	99.28%		
59) Chlorobenzene-d5	9.559	117	898119	10.000	ug/L	-0.01
Standard Area 1 = 869831			Recovery =	103.25%		
79) 1,4-Dichlorobenzene-d4	12.253	152	531874	10.000	ug/L	-0.01
Standard Area 1 = 540562			Recovery =	98.39%		
System Monitoring Compounds						
36) Dibromofluoromethane	5.234	113	324698	11.074	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	110.74%		
43) 1,2-Dichloroethane-d4	5.762	65	356942	11.359	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	113.59%		
60) Toluene-d8	7.719	98	1124534	9.896	ug/L	-0.01
Spiked Amount 10.000	Range 70 - 130		Recovery =	98.96%		
83) 4-Bromofluorobenzene	11.048	95	472357	9.438	ug/L	-0.01
Spiked Amount 10.000	Range 70 - 130		Recovery =	94.38%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.664	85	267722	11.586	ug/L	100
3) Chloromethane	1.860	50	175728	7.844	ug/L	99
4) Vinyl chloride	1.938	62	233430	8.308	ug/L	98
5) Bromomethane	2.251	94	57612	3.723	ug/L	94
6) Chloroethane	2.359	64	104174	7.490	ug/L	96
7) Trichlorofluoromethane	2.496	101	374199	9.256	ug/L	99
10) 1,1-Dichloroethene	2.985	96	216902	10.348	ug/L	89
11) Carbon disulfide	3.014	76	546357	9.523	ug/L	100
12) Freon-113	3.014	101	252435	12.184	ug/L	88
15) Methylene chloride	3.542	84	236728	10.256	ug/L	97
17) Acetone	3.601	43	31736	9.483	ug/L	94
18) trans-1,2-Dichloroethene	3.699	96	236094	10.021	ug/L	94
19) Methyl acetate	3.708	43	94756M4	10.337	ug/L	
20) Methyl tert-butyl ether	3.787	73	466037	9.188	ug/L	97
23) 1,1-Dichloroethane	4.276	63	398859	9.602	ug/L	99
28) cis-1,2-Dichloroethene	4.794	96	252516	9.904	ug/L	97
30) Bromochloromethane	4.990	128	124509	10.788	ug/L	94
31) Cyclohexane	4.970	56	366710	10.031	ug/L	98
32) Chloroform	5.058	83	450463	10.733	ug/L	97
34) Carbon tetrachloride	5.176	117	367987	9.779	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2020\200518N\
Data File : V05200518N02.d
Acq On : 18 May 2020 6:28 pm
Operator : VOA105:AJK
Sample : WG1372229-4,31,10,10
Misc : WG1372229,ICAL16595
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 18 18:56:00 2020
Quant Method : I:\VOLATILES\VOA105\2020\200518N\V105_200313N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Mar 15 01:23:14 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2020\200518N\V05200518N01.d
Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37)	1,1,1-Trichloroethane	5.244	97	421101	10.463	ug/L	98
39)	2-Butanone	5.352	43	51687	10.783	ug/L	85
41)	Benzene	5.616	78	921759	9.673	ug/L	98
44)	1,2-Dichloroethane	5.831	62	306592	10.841	ug/L	99
47)	Methyl cyclohexane	6.183	83	424376	10.155	ug/L	94
48)	Trichloroethene	6.212	95	255654	9.436	ug/L	96
51)	1,2-Dichloropropane	6.760	63	208014	9.229	ug/L	96
54)	Bromodichloromethane	6.828	83	316042	9.977	ug/L	98
57)	1,4-Dioxane	7.044	88	63185	549.445	ug/L	96
58)	cis-1,3-Dichloropropene	7.513	75	326122	8.728	ug/L	94
61)	Toluene	7.767	92	589626	9.119	ug/L	99
62)	4-Methyl-2-pentanone	8.217	58	36417	7.586	ug/L	83
63)	Tetrachloroethene	8.217	166	323022	10.498	ug/L	94
65)	trans-1,3-Dichloropropene	8.266	75	266553	8.472	ug/L	91
68)	1,1,2-Trichloroethane	8.452	83	150202	10.229	ug/L	97
69)	Chlorodibromomethane	8.658	129	222667	9.451	ug/L	98
71)	1,2-Dibromoethane	8.941	107	172263	9.995	ug/L	99
72)	2-Hexanone	9.226	43	61998	7.707	ug/L	92
73)	Chlorobenzene	9.578	112	667234	9.633	ug/L	96
74)	Ethylbenzene	9.608	91	1182899	9.671	ug/L	96
76)	p/m Xylene	9.794	106	918897	19.048	ug/L	88
77)	o Xylene	10.333	106	890478	19.196	ug/L	89
78)	Styrene	10.411	104	1463512	20.290	ug/L	93
80)	Bromoform	10.440	173	130796	9.468	ug/L	98
82)	Isopropylbenzene	10.715	105	1171955	8.294	ug/L	95
87)	1,1,2,2-Tetrachloroethane	11.302	83	201187	9.572	ug/L	97
100)	1,3-Dichlorobenzene	12.174	146	574354	9.244	ug/L	95
101)	1,4-Dichlorobenzene	12.272	146	577185	9.243	ug/L	95
104)	1,2-Dichlorobenzene	12.693	146	495479	9.035	ug/L	95
106)	1,2-Dibromo-3-chloropr...	13.477	155	19241	6.921	ug/L	99
109)	1,2,4-Trichlorobenzene	14.094	180	246538	7.225	ug/L	99
111)	1,2,3-Trichlorobenzene	14.555	180	171052	6.560	ug/L	98

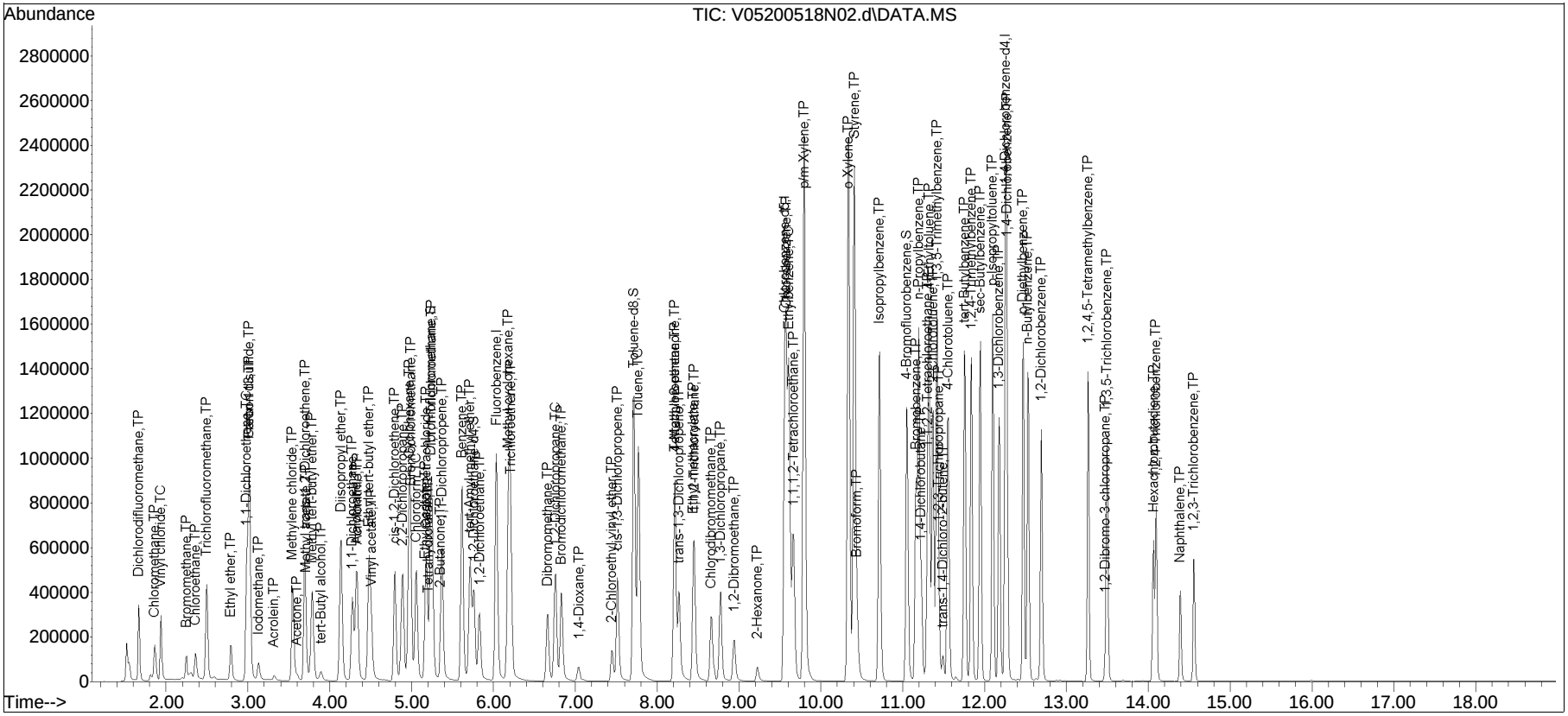
(#) = qualifier out of range (m) = manual integration (+) = signals summed

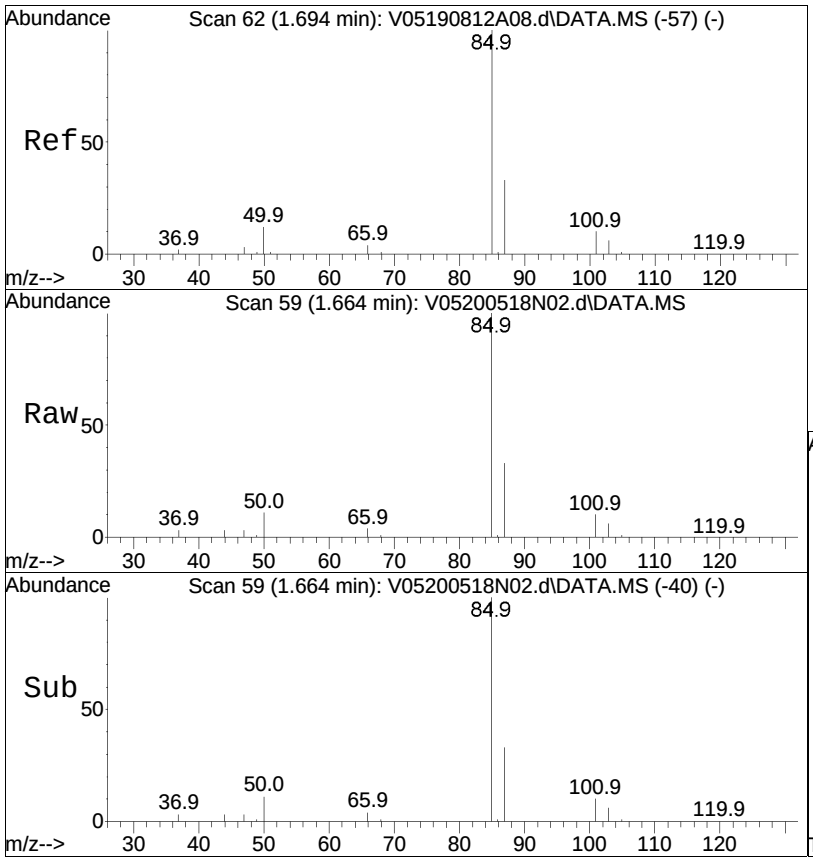
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2020\200518N\
Data File : V05200518N02.d
Acq On : 18 May 2020 6:28 pm
Operator : VOA105:AJK
Sample : WG1372229-4,31,10,10
Misc : WG1372229,ICAL16595
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 18 18:56:00 2020
Quant Method : I:\VOLATILES\VOA105\2020\200518N\V105_200313N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Mar 15 01:23:14 2020
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox00518N\V05200518N01.d•

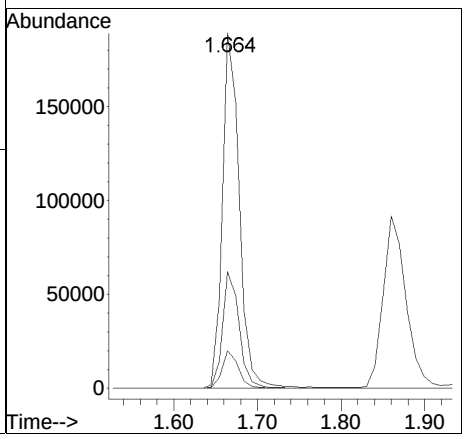


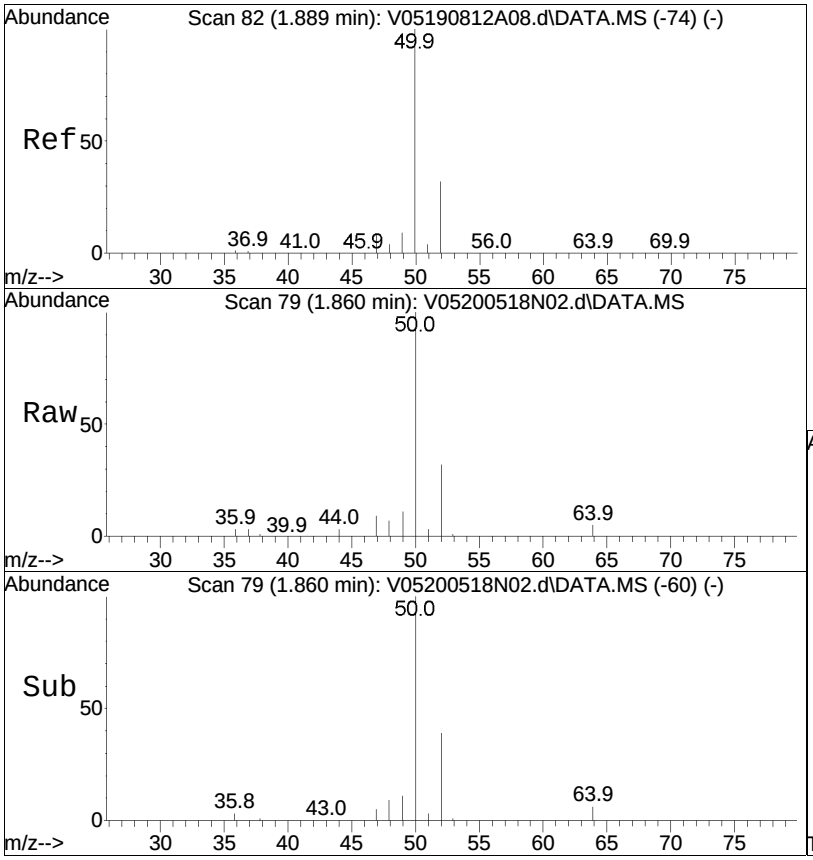


#2
Dichlorodifluoromethane
Concen: 11.59 ug/L
RT: 1.664 min Scan# 59
Delta R.T. -0.010 min
Lab File: V05200518N02.d
Acq: 18 May 2020 6:28 pm

Tgt Ion: 85 Resp: 267722

Ion	Ratio	Lower	Upper
85	100		
87	32.5	20.9	43.5
50	10.3	6.8	14.0

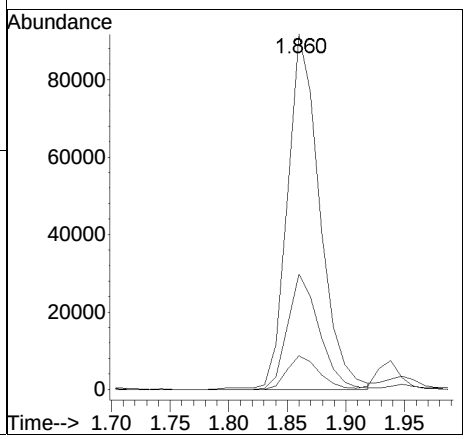


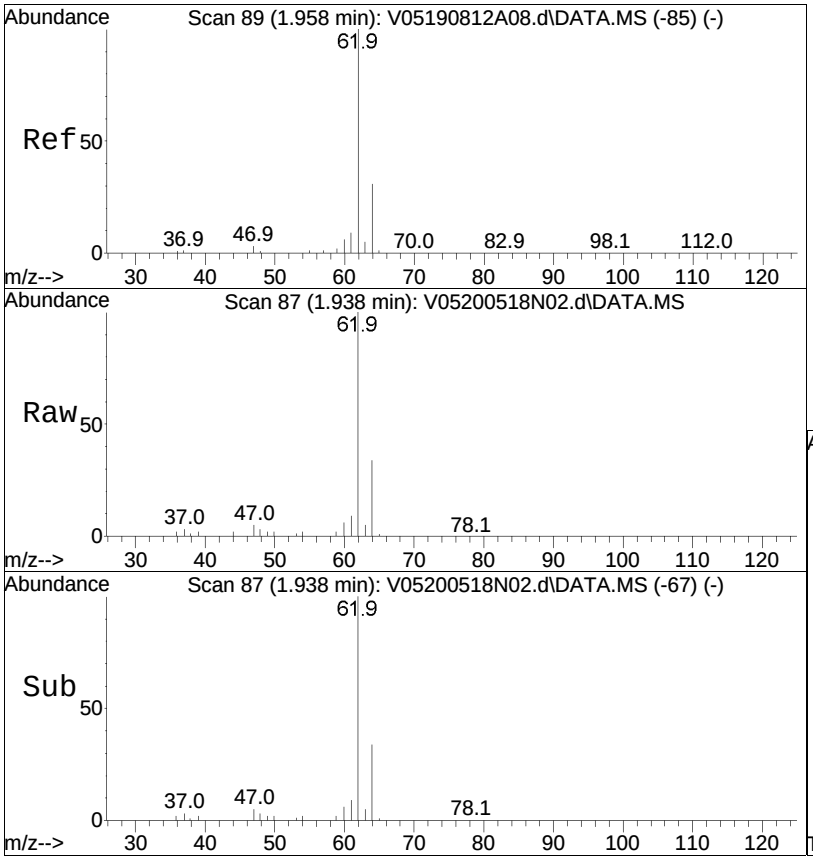


#3
Chloromethane
Concen: 7.84 ug/L
RT: 1.860 min Scan# 79
Delta R.T. -0.010 min
Lab File: V05200518N02.d
Acq: 18 May 2020 6:28 pm

Tgt Ion: 50 Resp: 175728

Ion	Ratio	Lower	Upper
50	100		
52	31.9	12.6	52.6
47	9.3	0.0	30.1

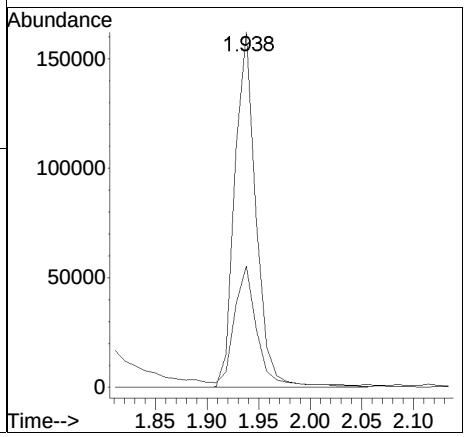


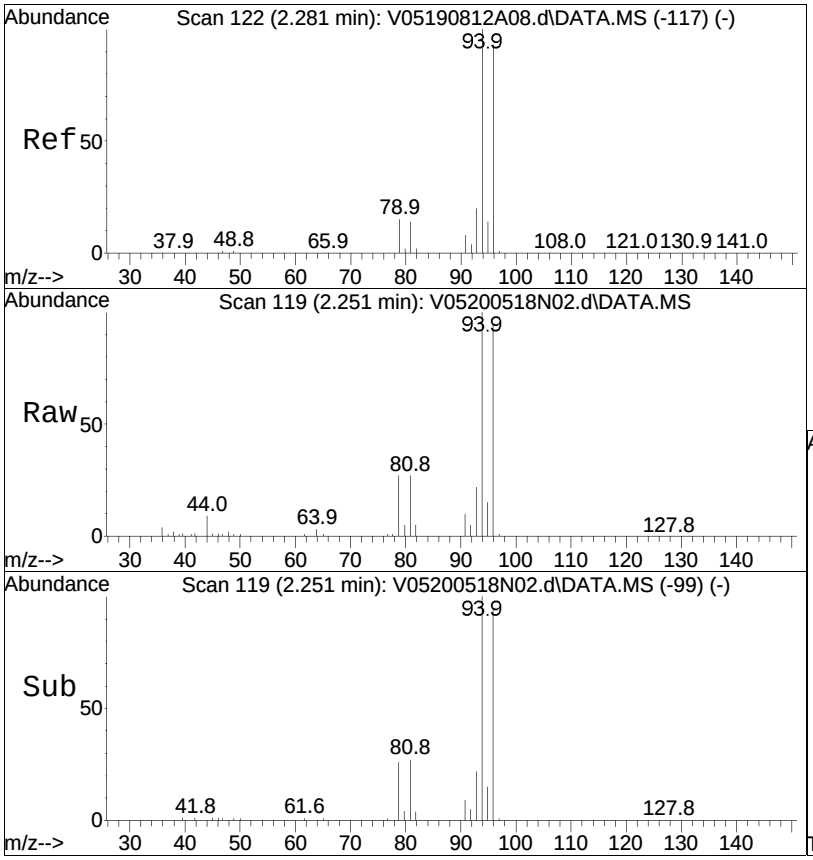


#4
Vinyl chloride
Concen: 8.31 ug/L
RT: 1.938 min Scan# 87
Delta R.T. 0.000 min
Lab File: V05200518N02.d
Acq: 18 May 2020 6:28 pm

Tgt Ion: 62 Resp: 233430

Ion	Ratio	Lower	Upper
62	100		
64	34.6	13.5	53.5

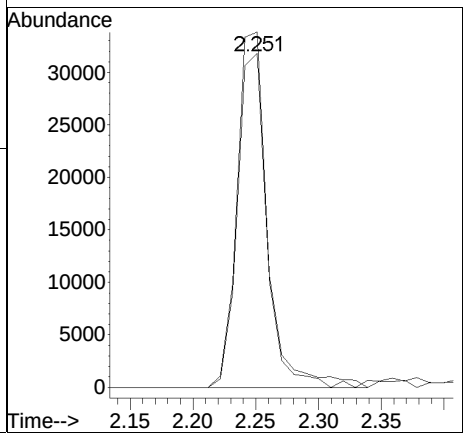


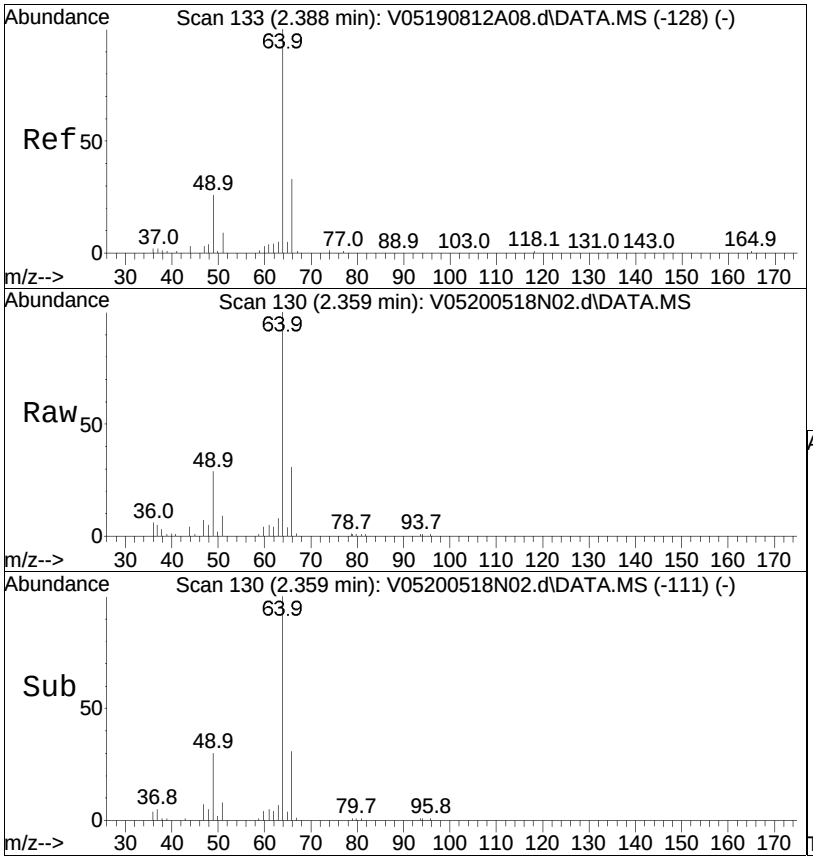


#5
Bromomethane
Concen: 3.72 ug/L
RT: 2.251 min Scan# 119
Delta R.T. 0.000 min
Lab File: V05200518N02.d
Acq: 18 May 2020 6:28 pm

Tgt Ion: 94 Resp: 57612

Ion	Ratio	Lower	Upper
94	100		
96	89.7	75.4	115.4

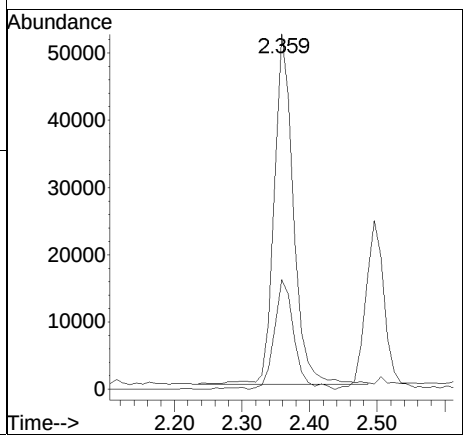


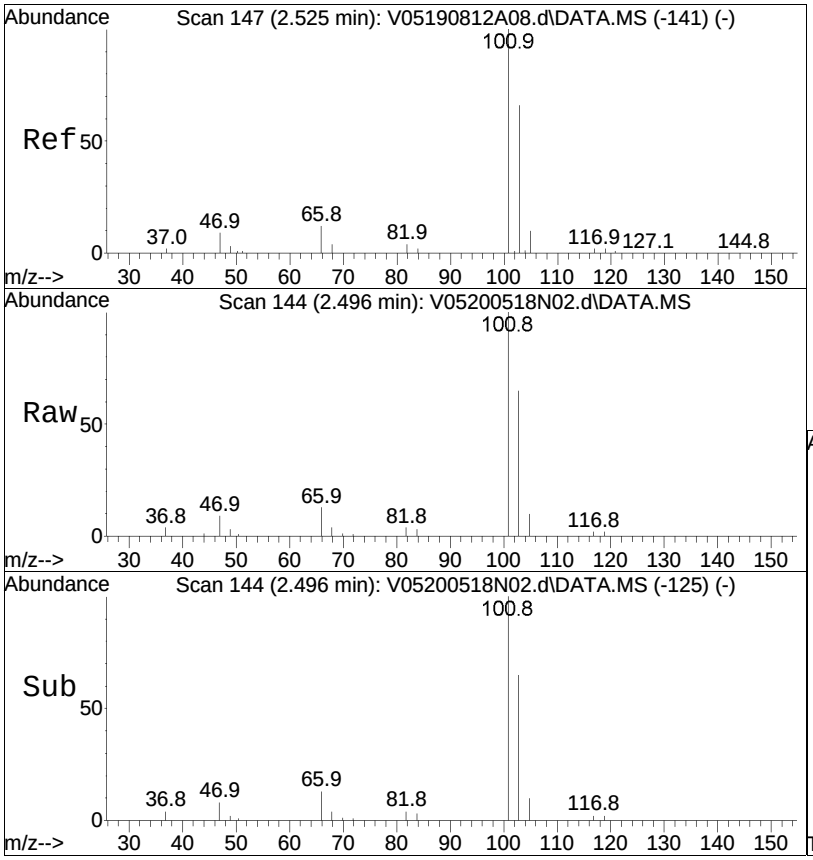


#6
Chloroethane
Concen: 7.49 ug/L
RT: 2.359 min Scan# 130
Delta R.T. -0.010 min
Lab File: V05200518N02.d
Acq: 18 May 2020 6:28 pm

Tgt Ion: 64 Resp: 104174

Ion	Ratio	Lower	Upper
64	100		
66	31.8	13.8	53.8

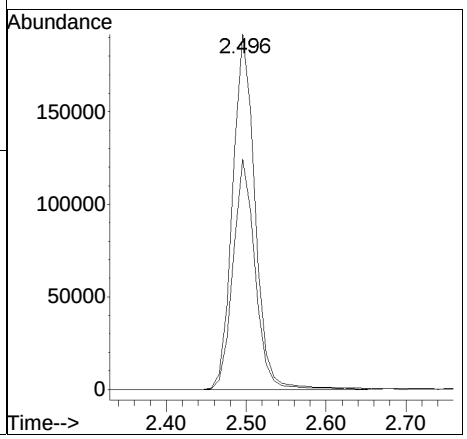


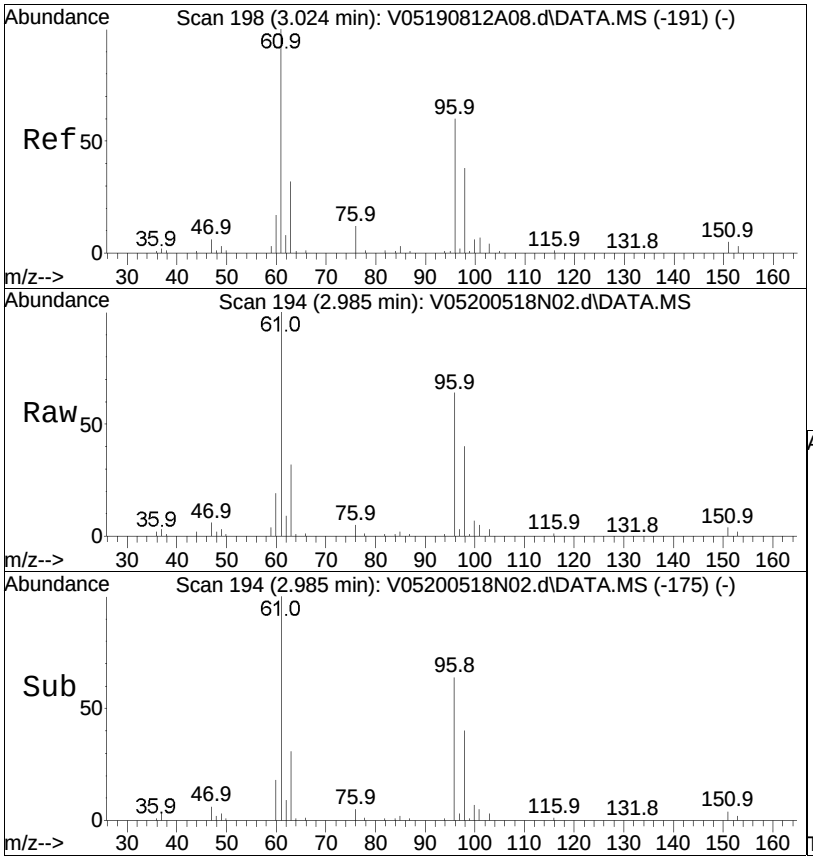


#7
Trichlorofluoromethane
Concen: 9.26 ug/L
RT: 2.496 min Scan# 144
Delta R.T. -0.010 min
Lab File: V05200518N02.d
Acq: 18 May 2020 6:28 pm

Tgt Ion:101 Resp: 374199

Ion	Ratio	Lower	Upper
101	100		
103	63.9	51.8	77.6

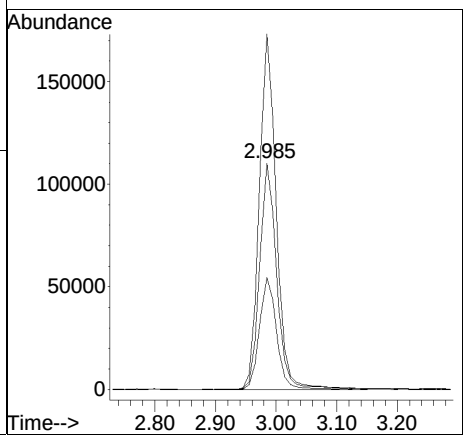


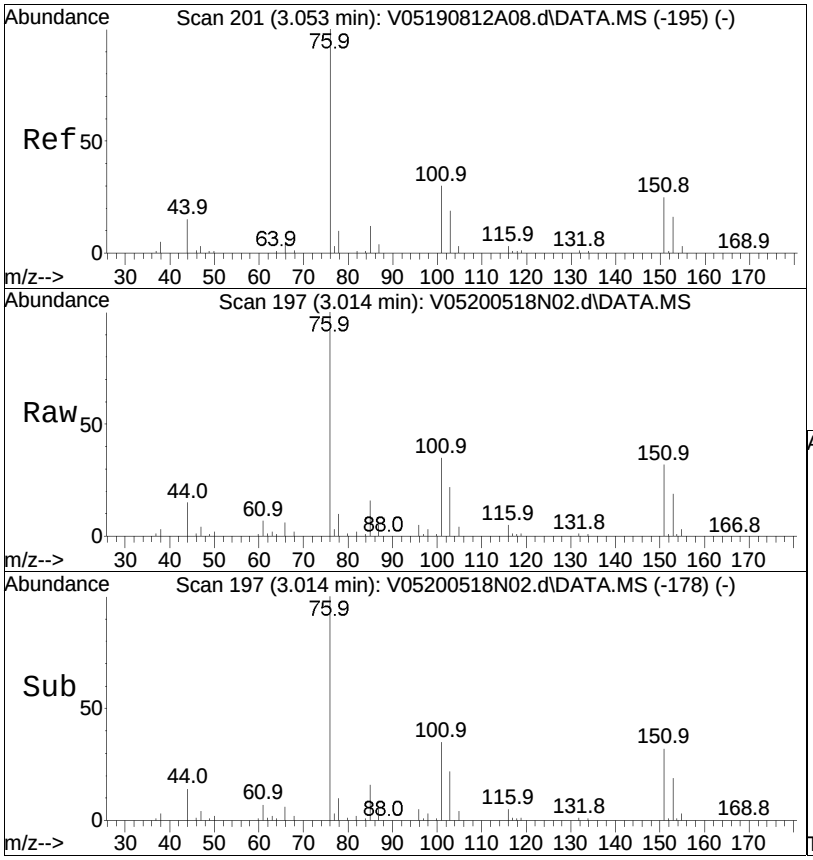


#10
1,1-Dichloroethene
Concen: 10.35 ug/L
RT: 2.985 min Scan# 194
Delta R.T. -0.010 min
Lab File: V05200518N02.d
Acq: 18 May 2020 6:28 pm

Tgt Ion: 96 Resp: 216902

Ion	Ratio	Lower	Upper
96	100		
61	155.4	136.7	205.1
63	49.3	45.0	67.6

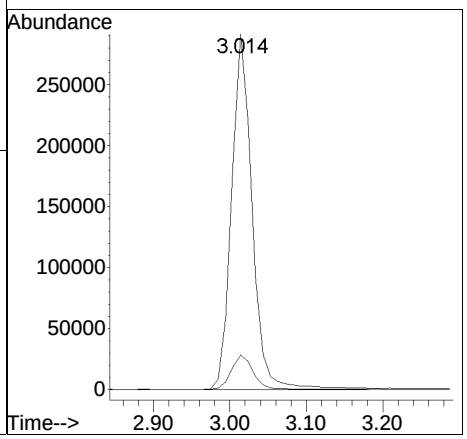


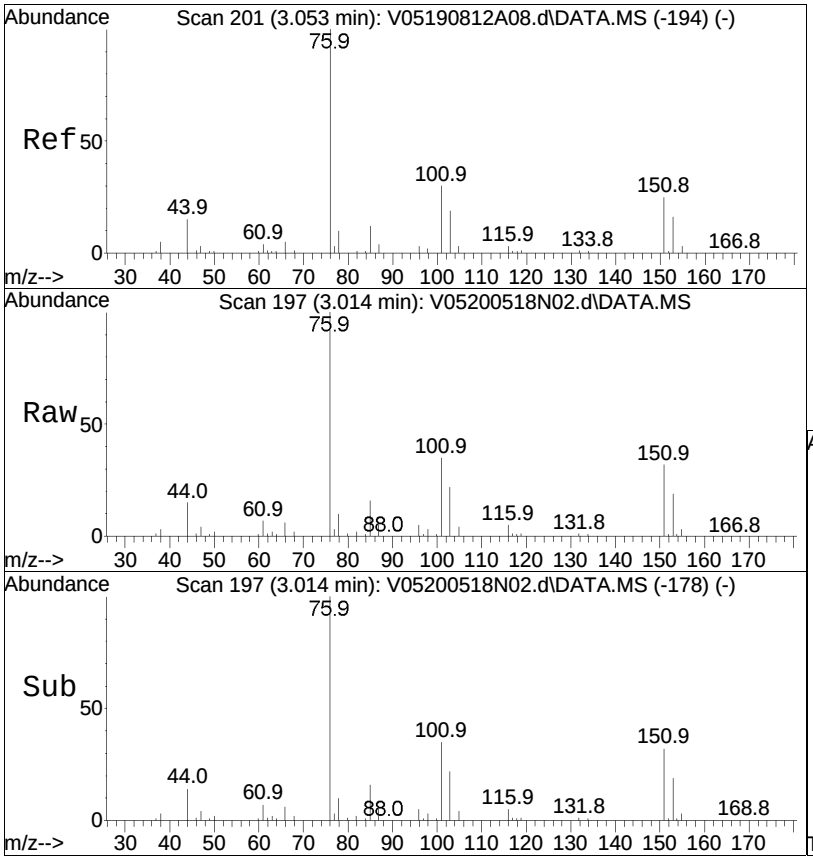


#11
Carbon disulfide
Concen: 9.52 ug/L
RT: 3.014 min Scan# 197
Delta R.T. -0.010 min
Lab File: V05200518N02.d
Acq: 18 May 2020 6:28 pm

Tgt Ion: 76 Resp: 546357

Ion	Ratio	Lower	Upper
76	100		
78	10.4	6.7	13.9

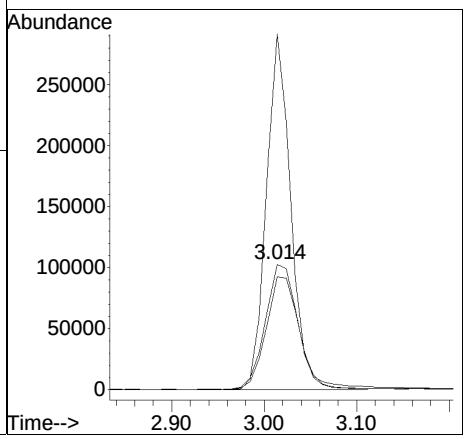


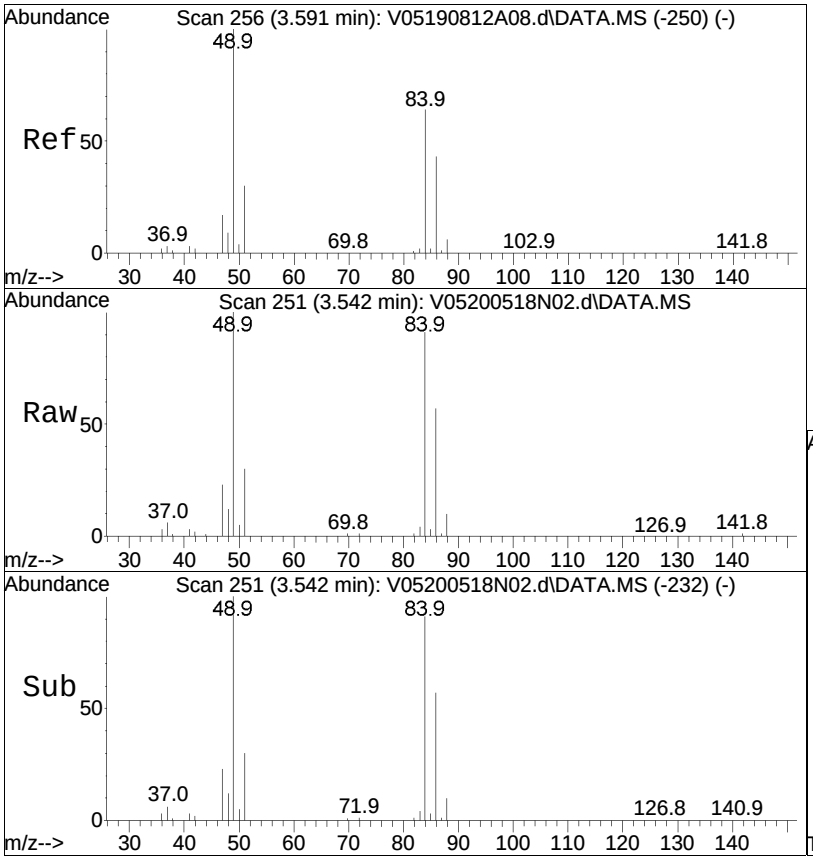


#12
Freon-113
Concen: 12.18 ug/L
RT: 3.014 min Scan# 197
Delta R.T. -0.010 min
Lab File: V05200518N02.d
Acq: 18 May 2020 6:28 pm

Tgt Ion:101 Resp: 252435

Ion	Ratio	Lower	Upper
101	100		
151	91.0	65.0	97.6
76	216.4	190.0	285.0

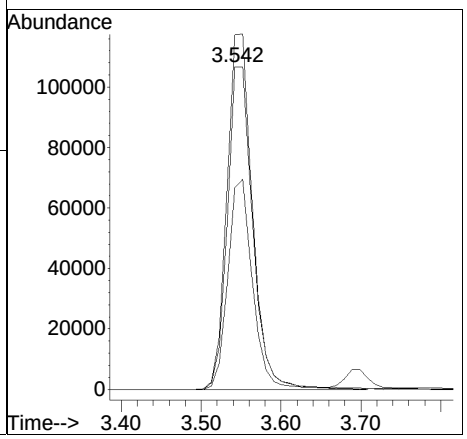


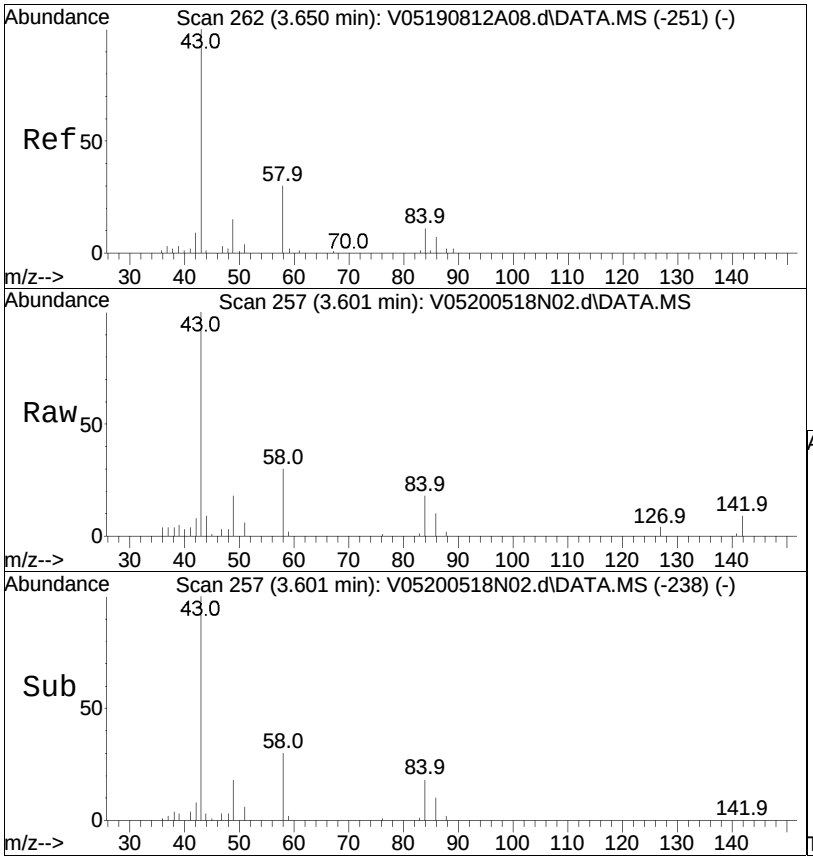


#15
Methylene chloride
Concen: 10.26 ug/L
RT: 3.542 min Scan# 251
Delta R.T. -0.010 min
Lab File: V05200518N02.d
Acq: 18 May 2020 6:28 pm

Tgt Ion: 84 Resp: 236728

Ion	Ratio	Lower	Upper
84	100		
86	63.4	42.1	87.5
49	110.5	69.3	143.9

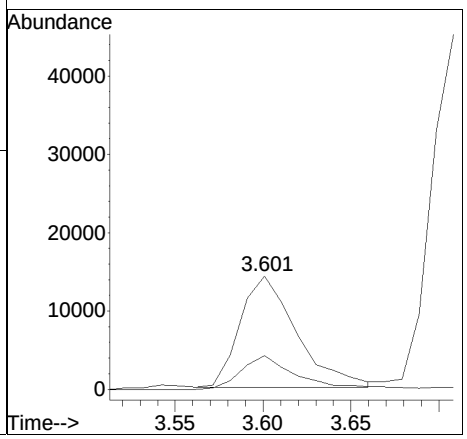


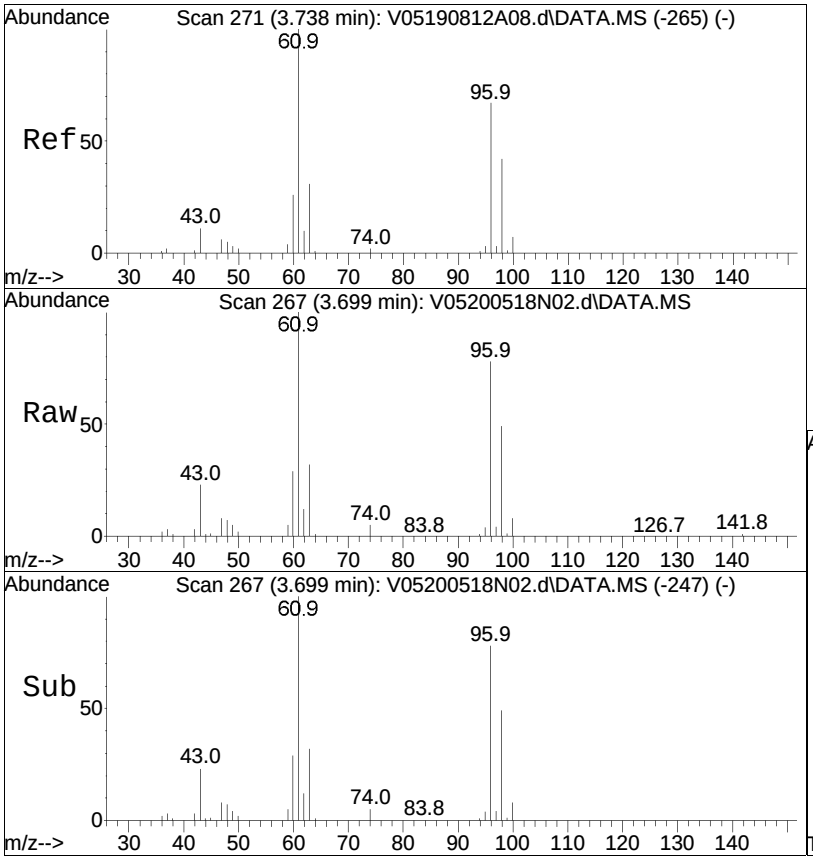


#17
Acetone
Concen: 9.48 ug/L
RT: 3.601 min Scan# 257
Delta R.T. -0.010 min
Lab File: V05200518N02.d
Acq: 18 May 2020 6:28 pm

Tgt Ion: 43 Resp: 31736

Ion	Ratio	Lower	Upper
43	100		
58	30.5	22.0	33.0

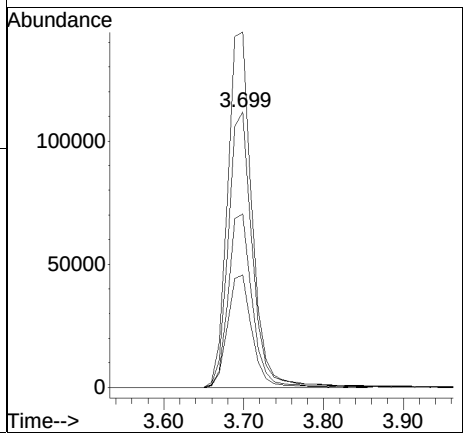


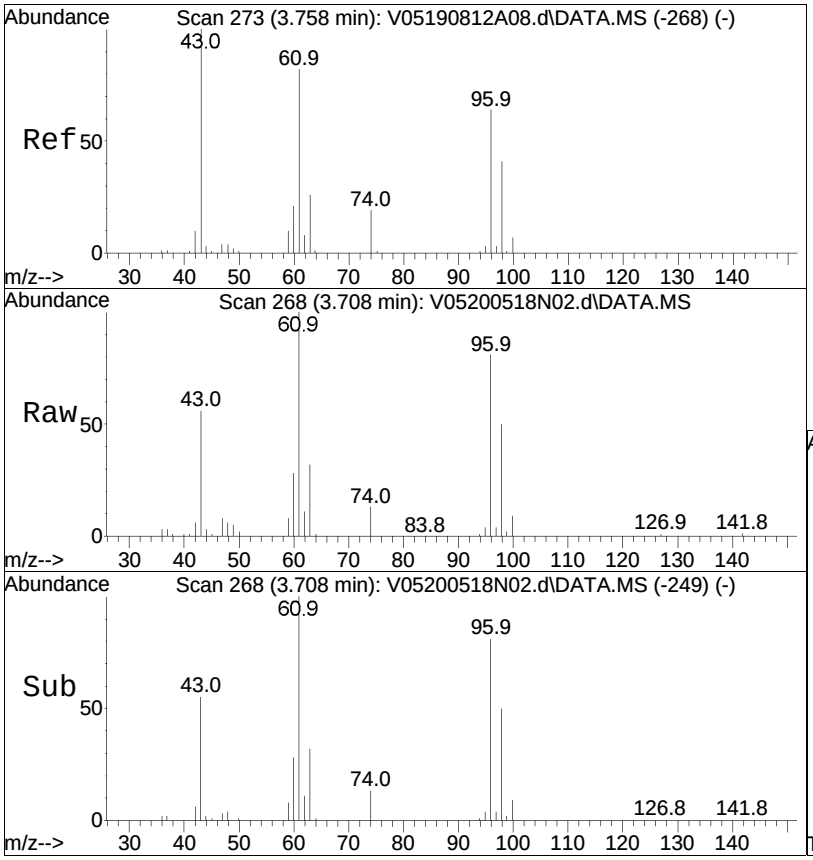


#18
trans-1,2-Dichloroethene
Concen: 10.02 ug/L
RT: 3.699 min Scan# 267
Delta R.T. -0.000 min
Lab File: V05200518N02.d
Acq: 18 May 2020 6:28 pm

Tgt Ion: 96 Resp: 236094

Ion	Ratio	Lower	Upper
96	100		
61	130.8	91.7	190.5
98	62.7	41.1	85.5
63	41.2	29.4	61.0

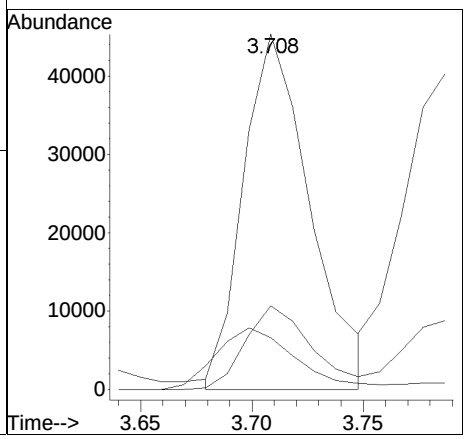


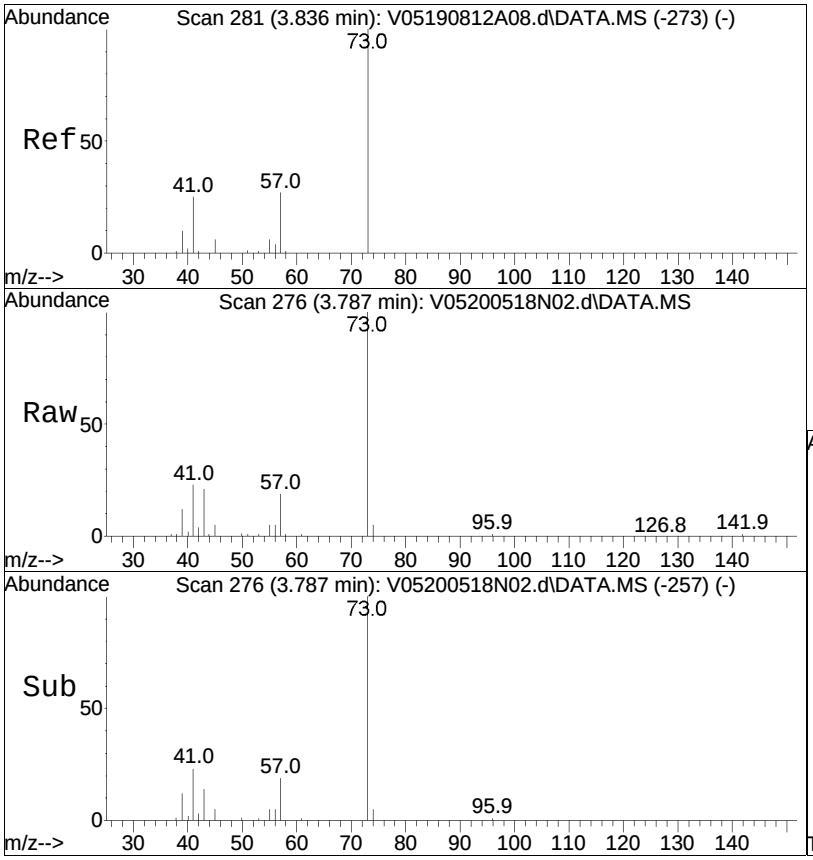


#19
Methyl acetate
Concen: 10.34 ug/L M4
RT: 3.708 min Scan# 268
Delta R.T. -0.010 min
Lab File: V05200518N02.d
Acq: 18 May 2020 6:28 pm

Tgt Ion: 43 Resp: 94756

Ion	Ratio	Lower	Upper
43	100		
74	23.4	23.1	34.7
59	20.6	23.9	35.9#

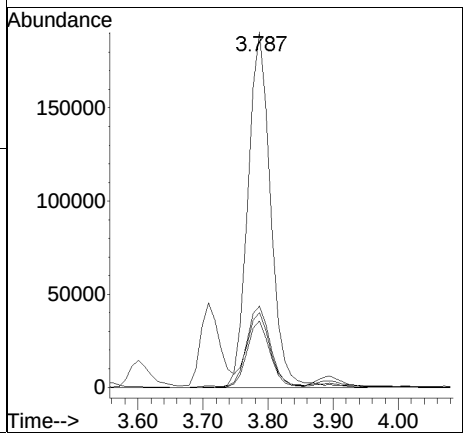


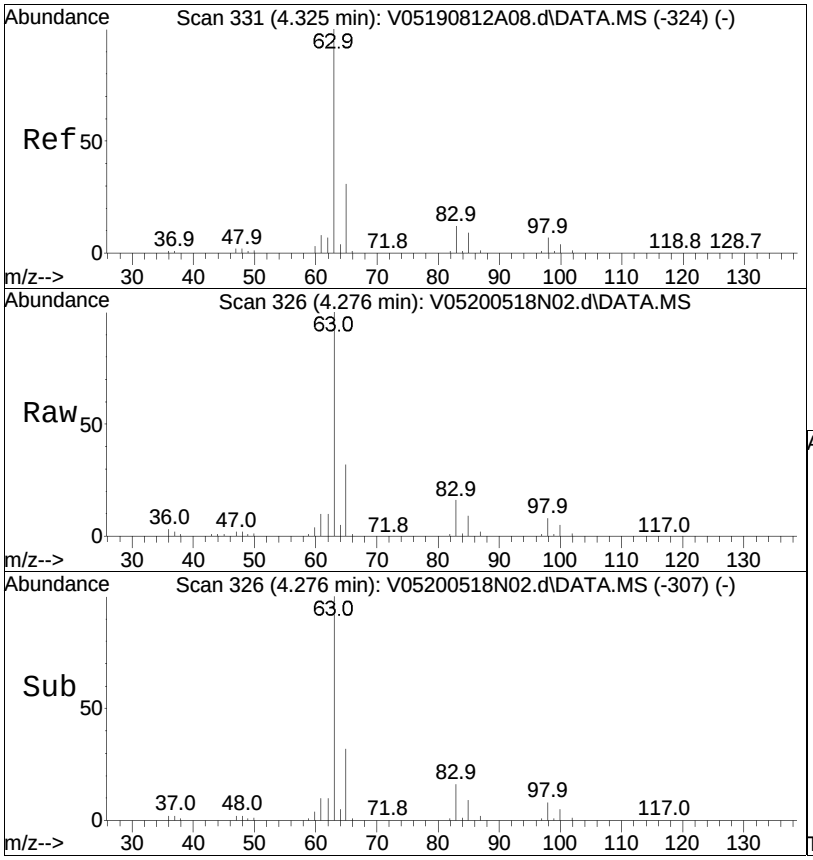


#20
Methyl tert-butyl ether
Concen: 9.19 ug/L
RT: 3.787 min Scan# 276
Delta R.T. -0.010 min
Lab File: V05200518N02.d
Acq: 18 May 2020 6:28 pm

Tgt Ion: 73 Resp: 466037

Ion	Ratio	Lower	Upper
73	100		
57	18.7	11.8	24.6
43	20.6	13.5	27.9
41	23.3	13.3	27.5

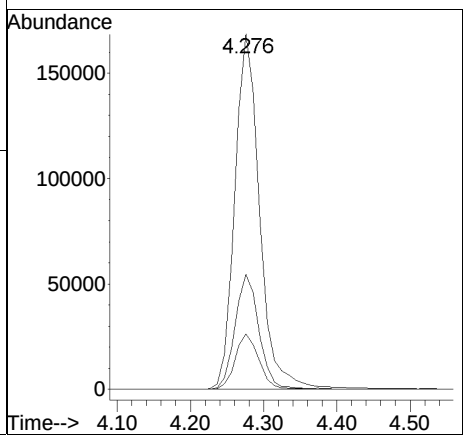


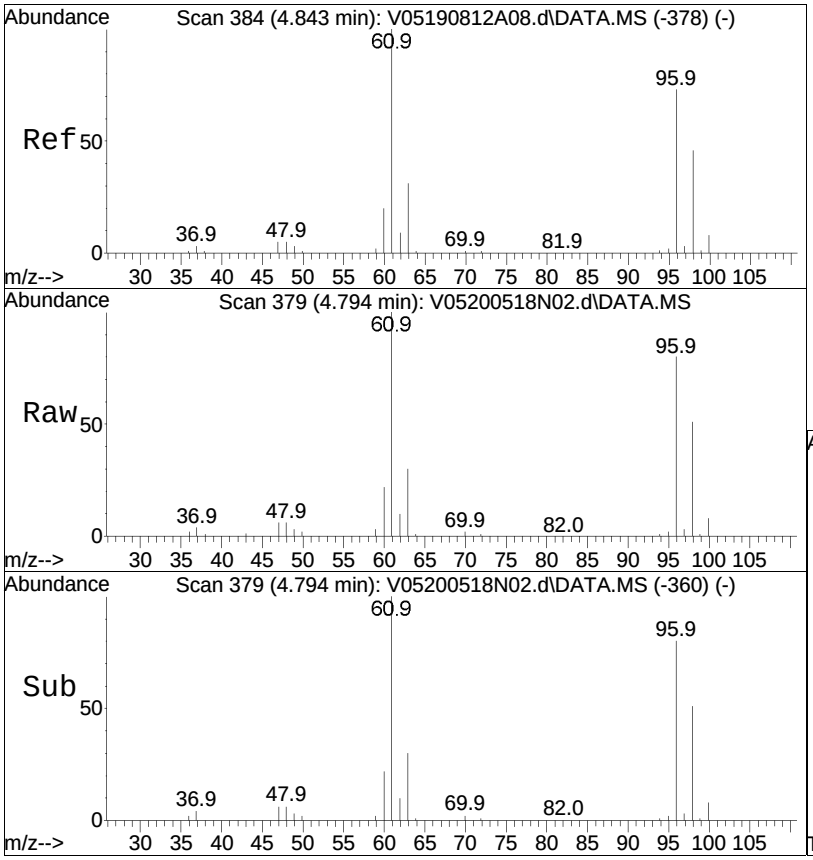


#23
1,1-Dichloroethane
Concen: 9.60 ug/L
RT: 4.276 min Scan# 326
Delta R.T. -0.010 min
Lab File: V05200518N02.d
Acq: 18 May 2020 6:28 pm

Tgt Ion: 63 Resp: 398859

Ion	Ratio	Lower	Upper
63	100		
65	31.3	11.9	51.9
83	14.9	0.0	34.2

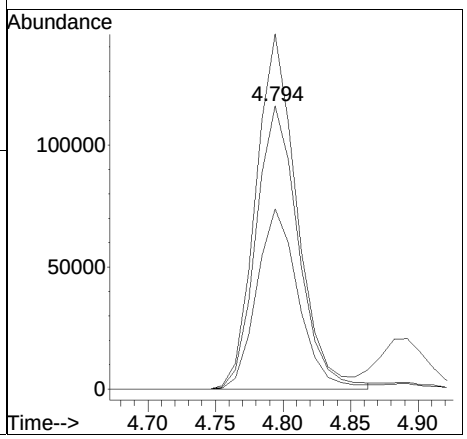


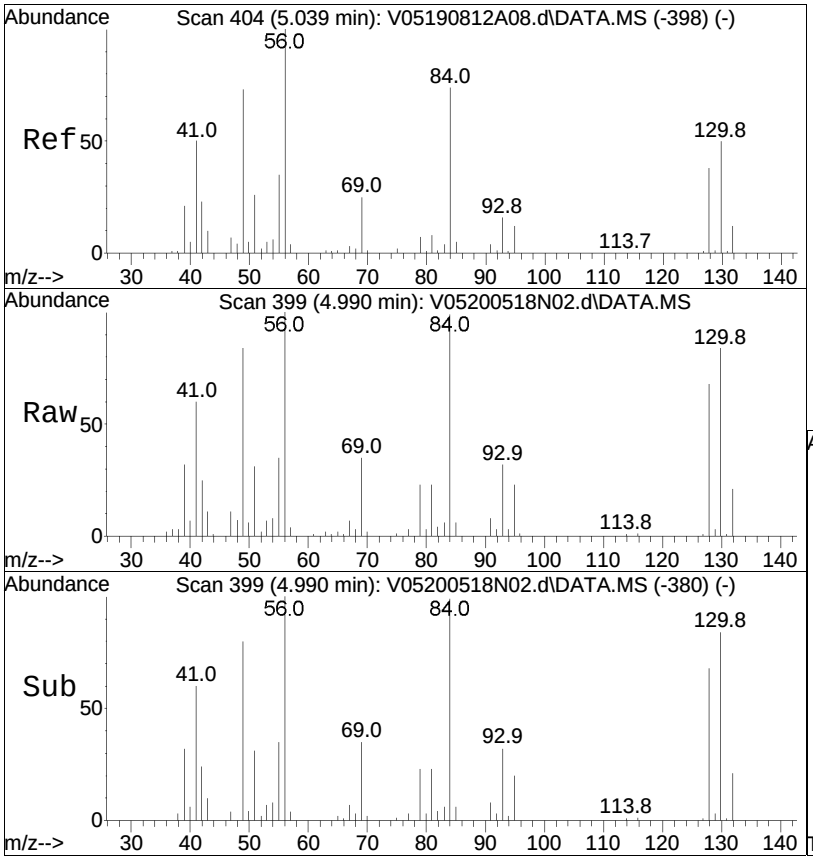


#28
cis-1,2-Dichloroethene
Concen: 9.90 ug/L
RT: 4.794 min Scan# 379
Delta R.T. -0.010 min
Lab File: V05200518N02.d
Acq: 18 May 2020 6:28 pm

Tgt Ion: 96 Resp: 252516

Ion	Ratio	Lower	Upper
96	100		
61	121.7	100.5	150.7
98	63.1	49.8	74.8

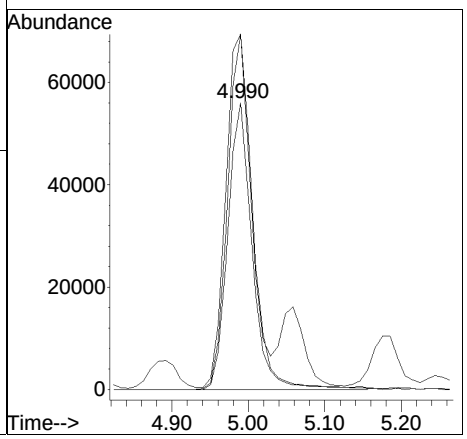


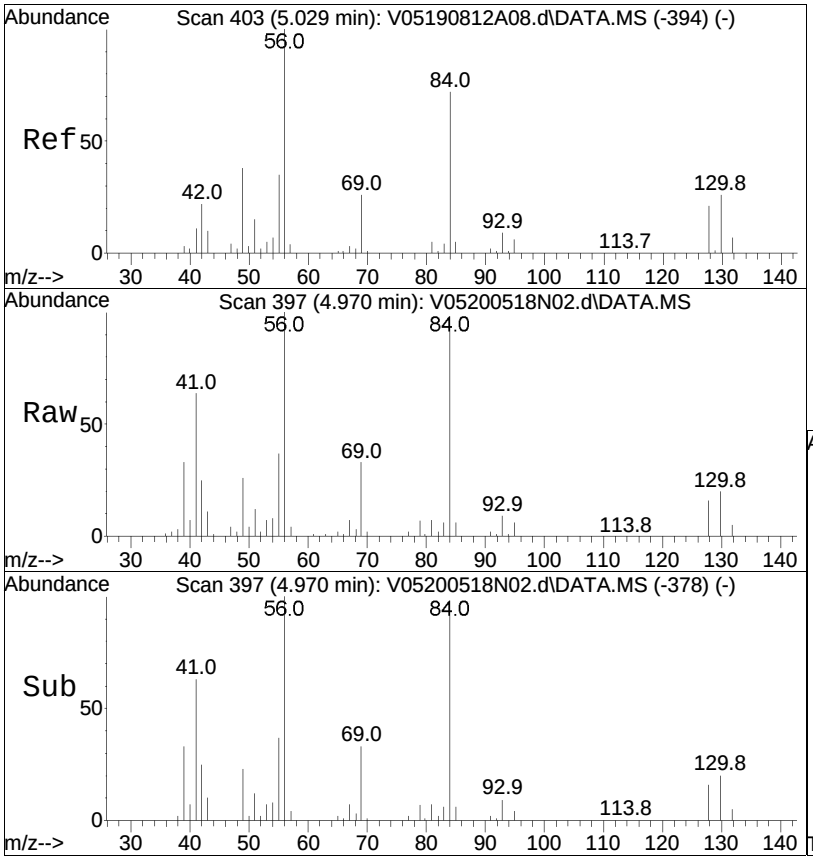


#30
Bromochloromethane
Concen: 10.79 ug/L
RT: 4.990 min Scan# 399
Delta R.T. -0.010 min
Lab File: V05200518N02.d
Acq: 18 May 2020 6:28 pm

Tgt Ion:128 Resp: 124509

Ion	Ratio	Lower	Upper
128	100		
49	128.0	109.0	163.4
130	127.1	105.6	158.4

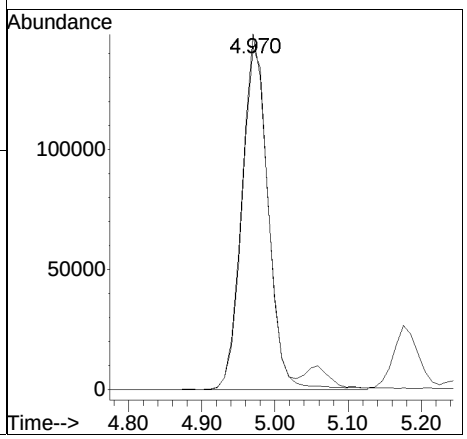


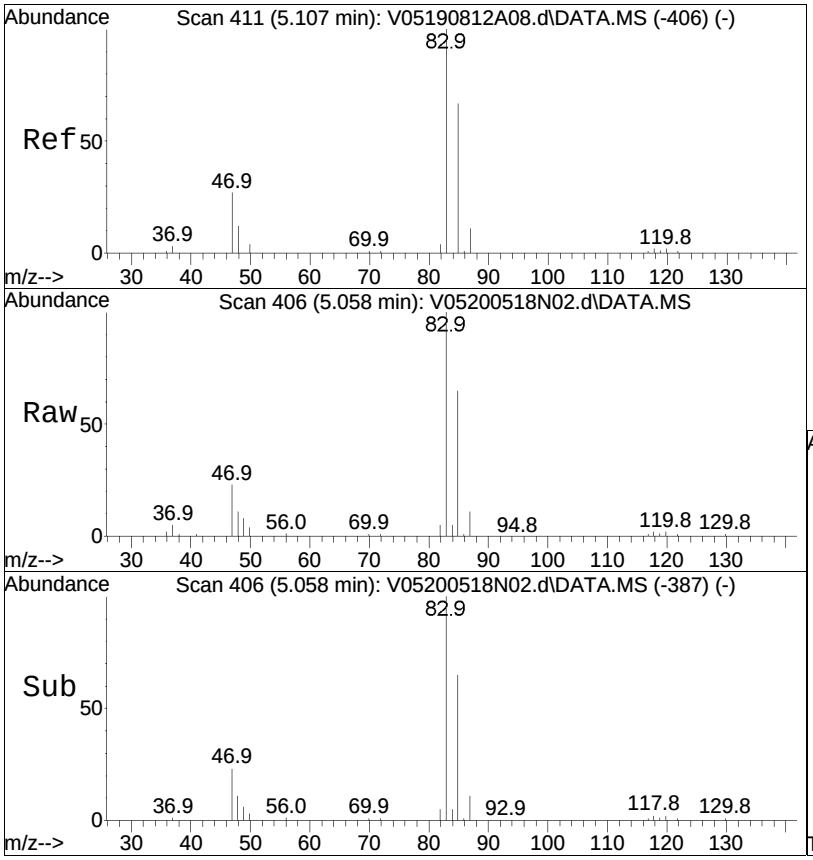


#31
Cyclohexane
Concen: 10.03 ug/L
RT: 4.970 min Scan# 397
Delta R.T. -0.010 min
Lab File: V05200518N02.d
Acq: 18 May 2020 6:28 pm

Tgt Ion: 56 Resp: 366710

Ion	Ratio	Lower	Upper
56	100		
84	96.8	64.4	133.8

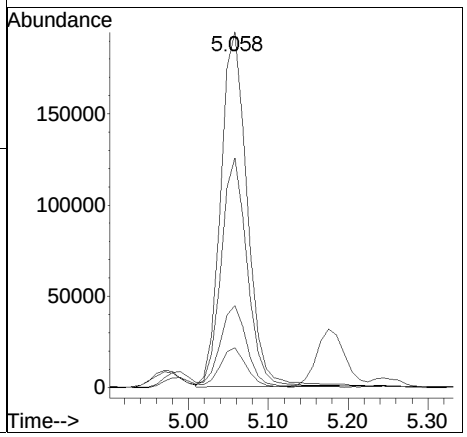


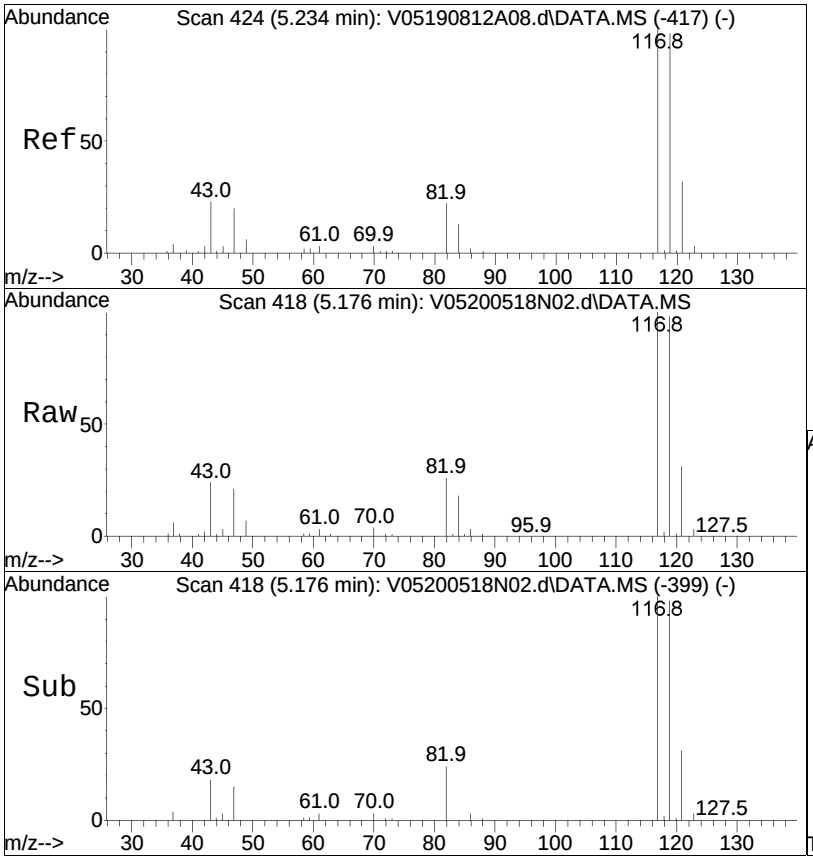


#32
Chloroform
Concen: 10.73 ug/L
RT: 5.058 min Scan# 406
Delta R.T. -0.010 min
Lab File: V05200518N02.d
Acq: 18 May 2020 6:28 pm

Tgt Ion: 83 Resp: 450463

Ion	Ratio	Lower	Upper
83	100		
85	63.7	42.8	89.0
47	22.2	13.7	28.4
48	11.1	6.9	14.3

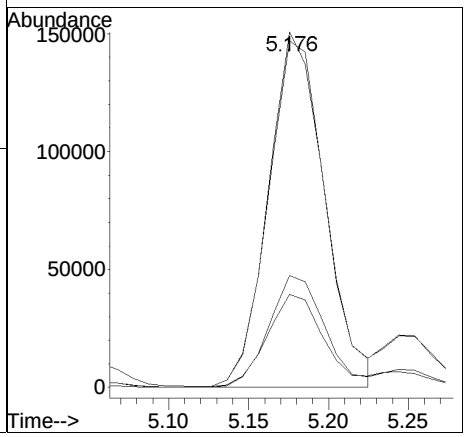


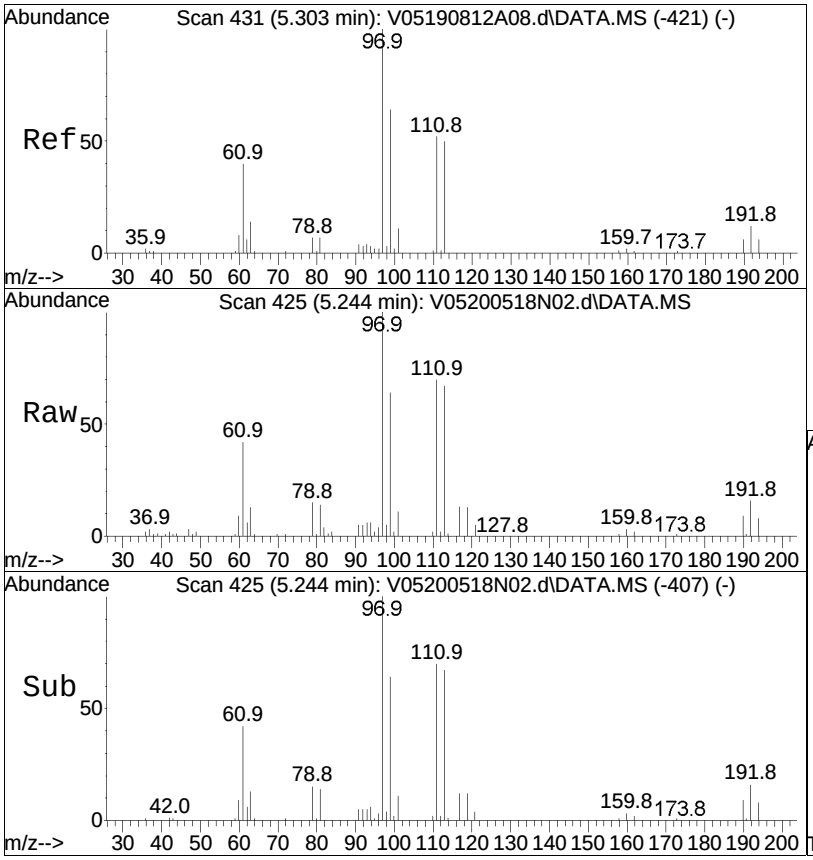


#34
Carbon tetrachloride
Concen: 9.78 ug/L
RT: 5.176 min Scan# 418
Delta R.T. -0.010 min
Lab File: V05200518N02.d
Acq: 18 May 2020 6:28 pm

Tgt Ion:117 Resp: 367987

Ion	Ratio	Lower	Upper
117	100		
119	99.6	63.6	132.2
121	31.5	19.8	41.0
82	26.5	15.9	32.9

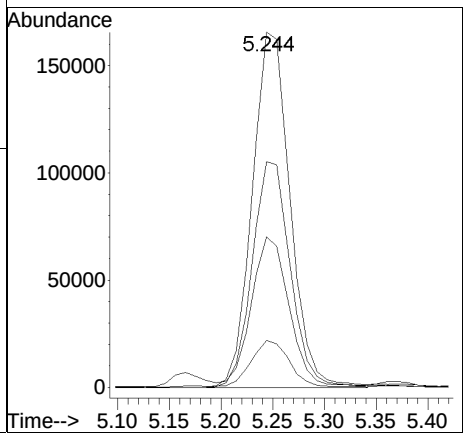


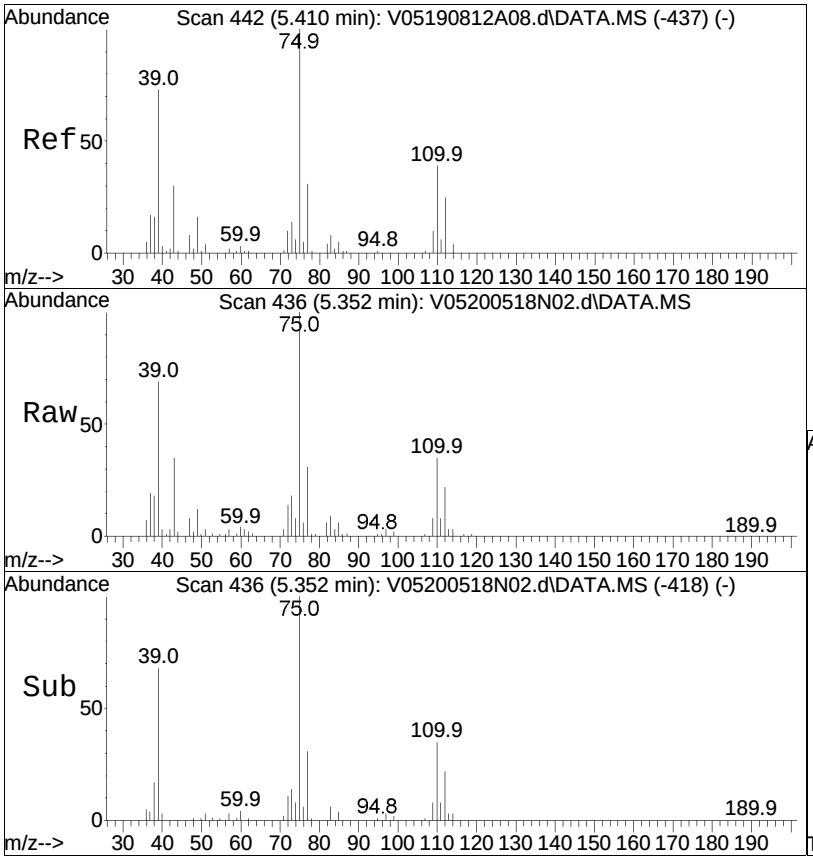


#37
1,1,1-Trichloroethane
Concen: 10.46 ug/L
RT: 5.244 min Scan# 425
Delta R.T. -0.020 min
Lab File: V05200518N02.d
Acq: 18 May 2020 6:28 pm

Tgt Ion: 97 Resp: 421101

Ion	Ratio	Lower	Upper
97	100		
99	64.7	41.7	86.5
61	42.0	26.1	54.3
63	13.6	8.5	17.6

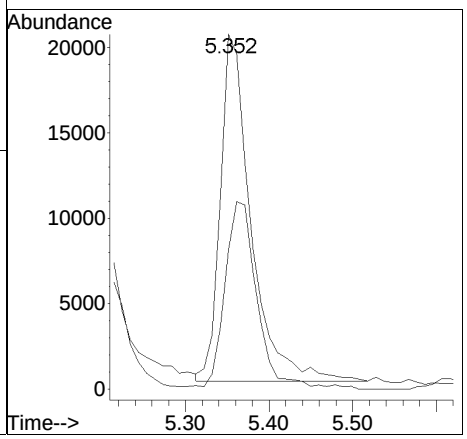


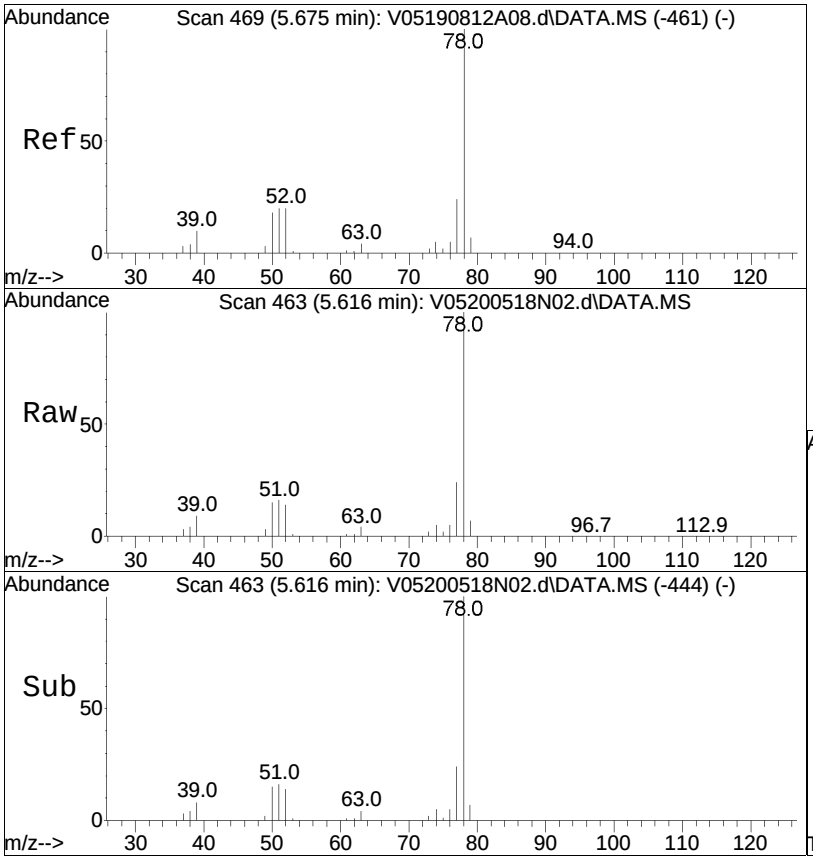


#39
2-Butanone
Concen: 10.78 ug/L
RT: 5.352 min Scan# 436
Delta R.T. -0.019 min
Lab File: V05200518N02.d
Acq: 18 May 2020 6:28 pm

Tgt Ion: 43 Resp: 51687

Ion	Ratio	Lower	Upper
43	100		
72	57.4	55.6	83.4

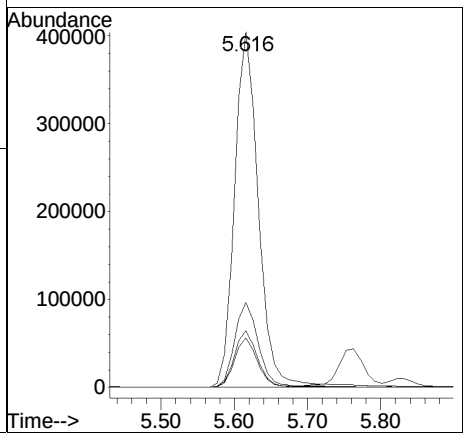


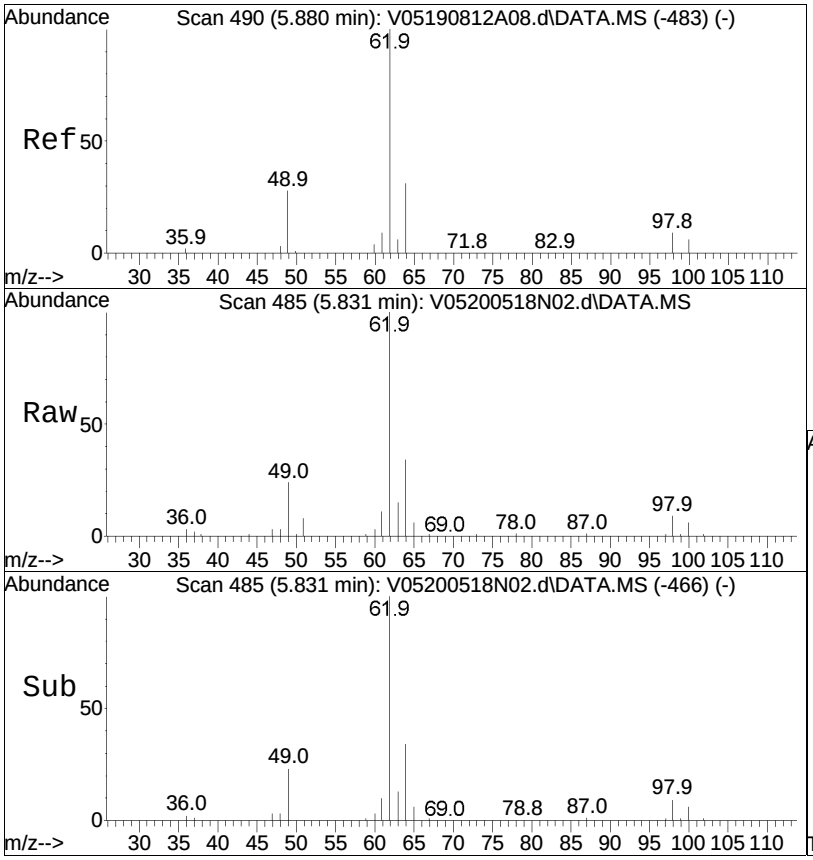


#41
Benzene
Concen: 9.67 ug/L
RT: 5.616 min Scan# 463
Delta R.T. -0.010 min
Lab File: V05200518N02.d
Acq: 18 May 2020 6:28 pm

Tgt Ion: 78 Resp: 921759

Ion	Ratio	Lower	Upper
78	100		
77	24.0	15.2	31.6
51	15.5	10.5	21.7
52	13.5	9.5	19.7

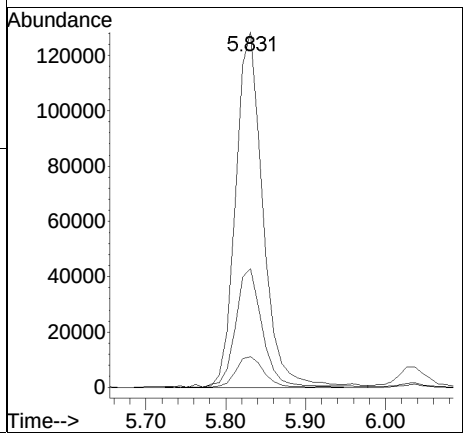


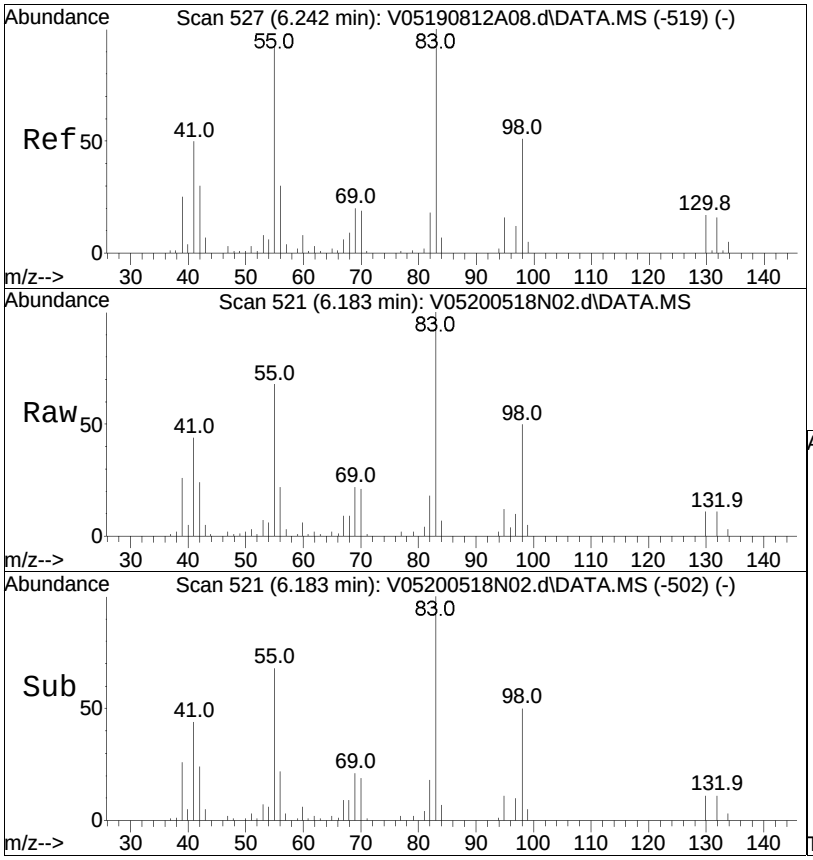


#44
1,2-Dichloroethane
Concen: 10.84 ug/L
RT: 5.831 min Scan# 485
Delta R.T. -0.010 min
Lab File: V05200518N02.d
Acq: 18 May 2020 6:28 pm

Tgt Ion: 62 Resp: 306592

Ion	Ratio	Lower	Upper
62	100		
64	33.5	13.2	53.2
98	9.1	0.0	27.8

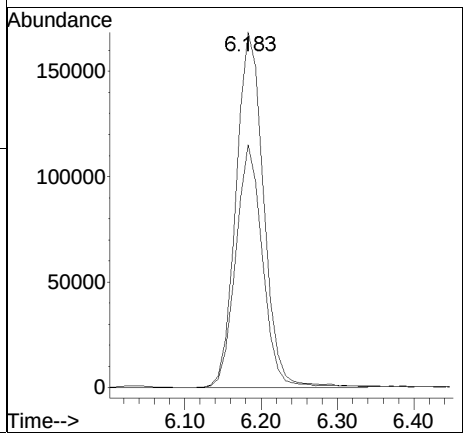


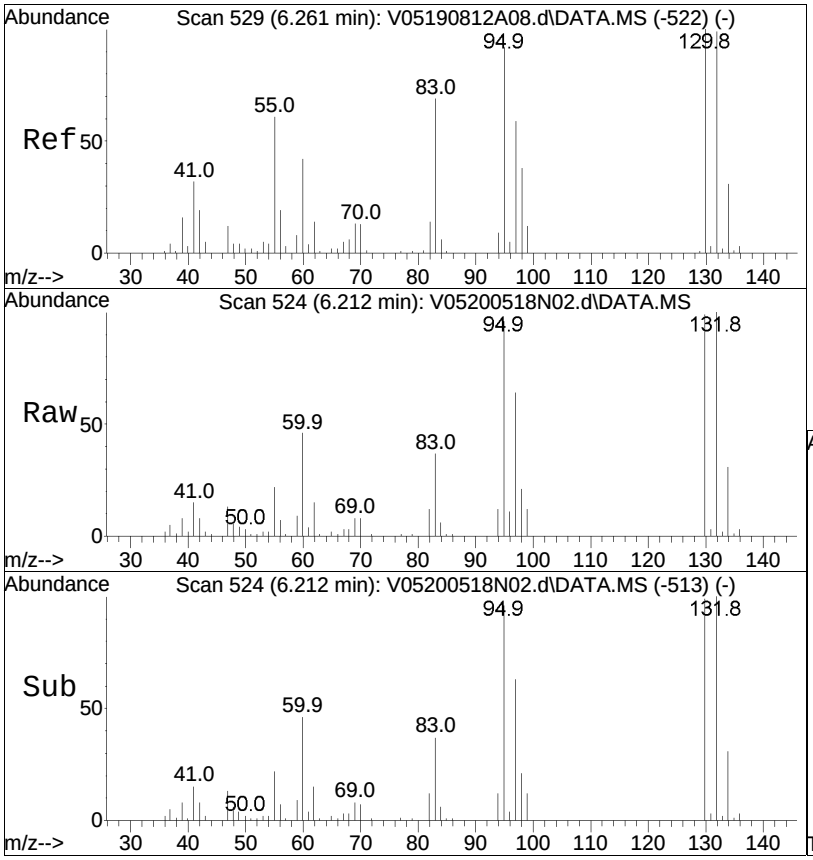


#47
Methyl cyclohexane
Concen: 10.16 ug/L
RT: 6.183 min Scan# 521
Delta R.T. -0.010 min
Lab File: V05200518N02.d
Acq: 18 May 2020 6:28 pm

Tgt Ion: 83 Resp: 424376

Ion	Ratio	Lower	Upper
83	100		
55	66.5	57.3	85.9

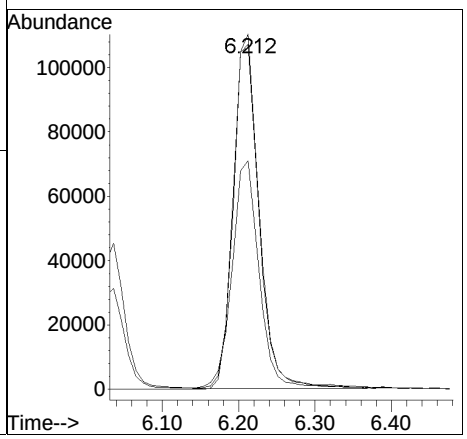


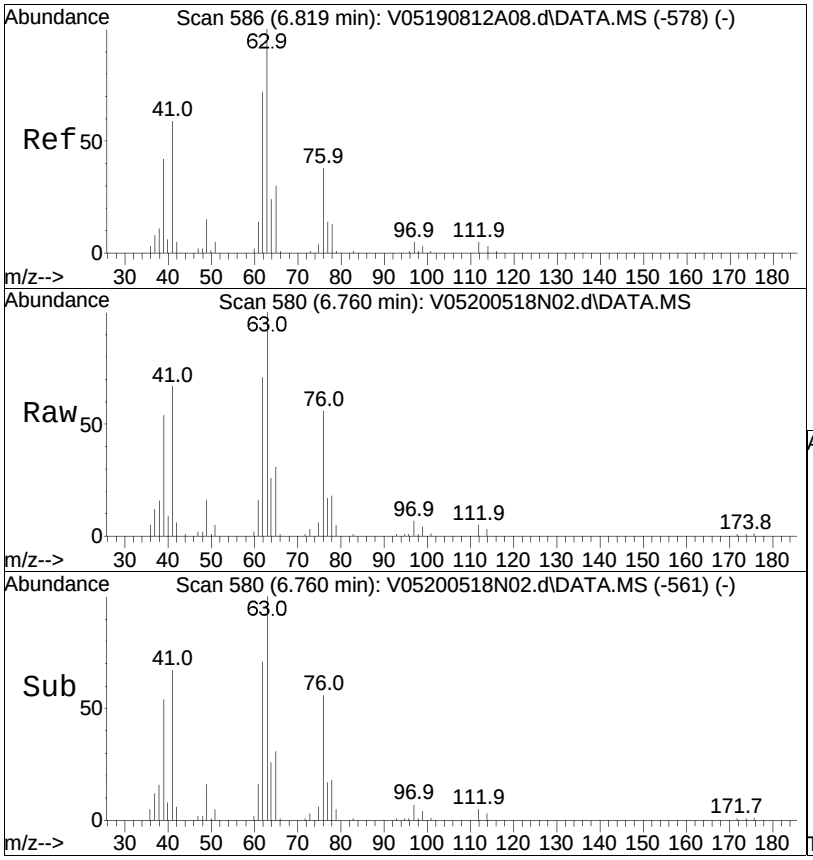


#48
Trichloroethene
Concen: 9.44 ug/L
RT: 6.212 min Scan# 524
Delta R.T. -0.010 min
Lab File: V05200518N02.d
Acq: 18 May 2020 6:28 pm

Tgt Ion: 95 Resp: 255654

Ion	Ratio	Lower	Upper
95	100		
97	67.8	56.1	84.1
130	101.8	77.7	116.5

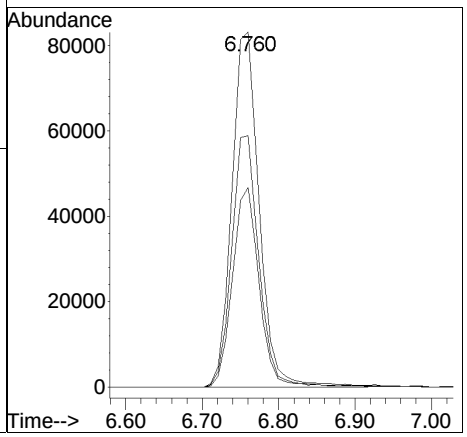


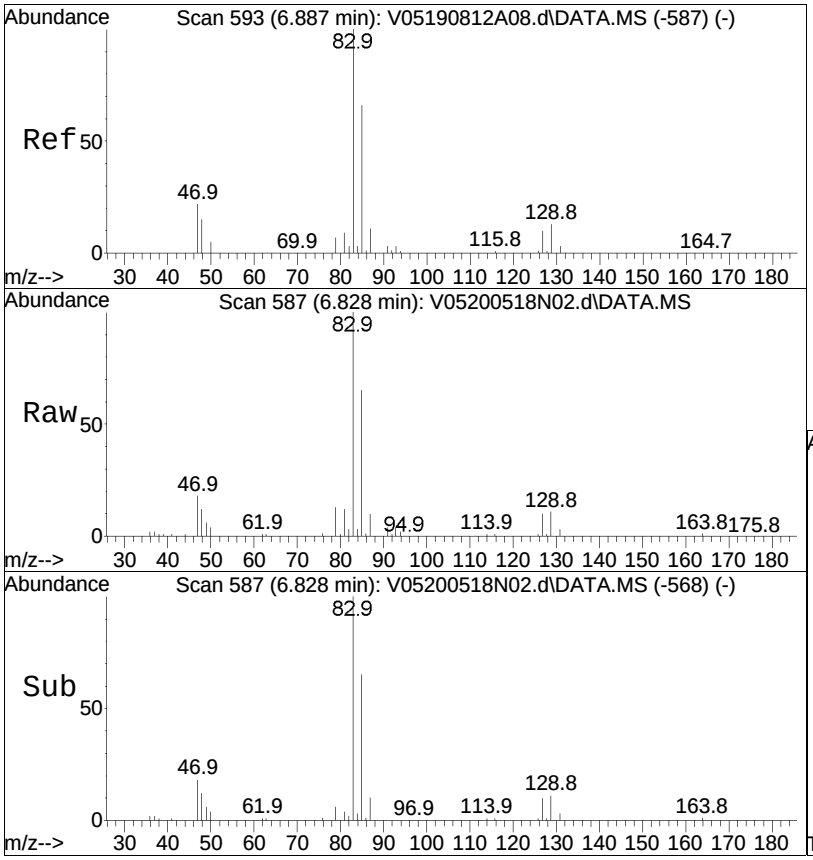


#51
1,2-Dichloropropane
Concen: 9.23 ug/L
RT: 6.760 min Scan# 580
Delta R.T. -0.010 min
Lab File: V05200518N02.d
Acq: 18 May 2020 6:28 pm

Tgt Ion: 63 Resp: 208014

Ion	Ratio	Lower	Upper
63	100		
62	70.6	57.0	85.4
76	55.2	48.4	72.6

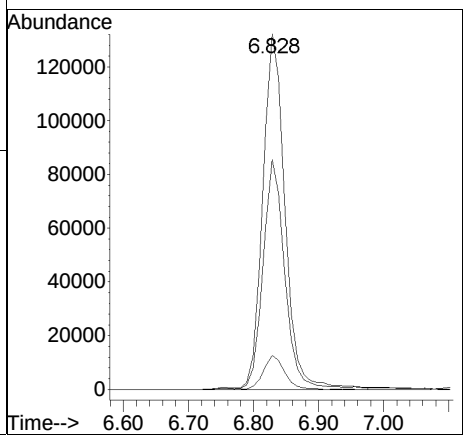


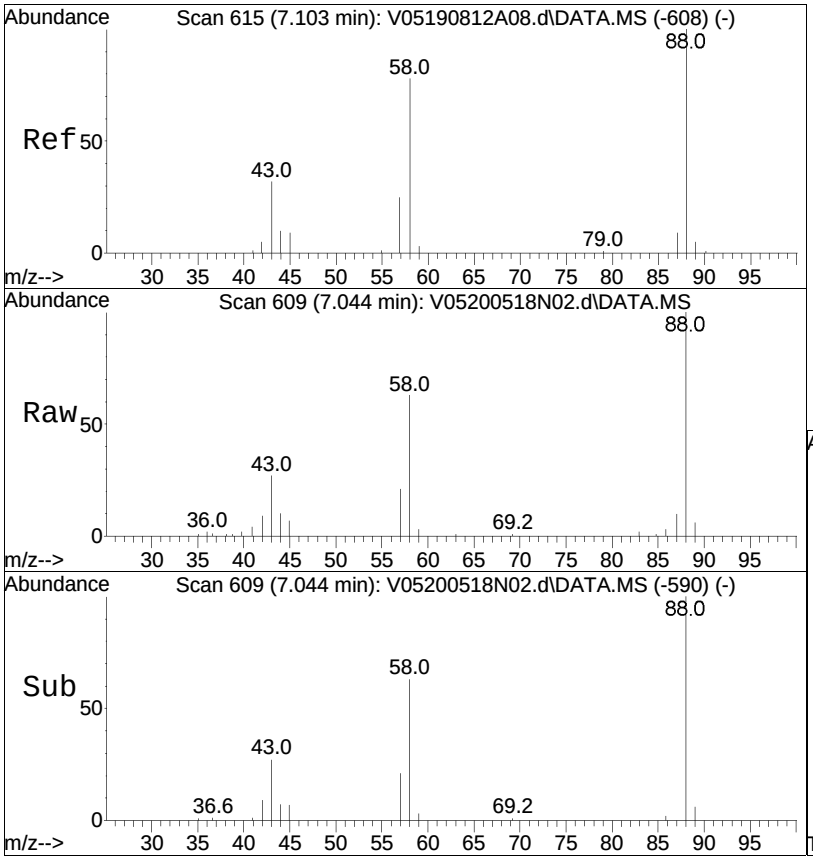


#54
Bromodichloromethane
Concen: 9.98 ug/L
RT: 6.828 min Scan# 587
Delta R.T. -0.010 min
Lab File: V05200518N02.d
Acq: 18 May 2020 6:28 pm

Tgt Ion: 83 Resp: 316042

Ion	Ratio	Lower	Upper
83	100		
85	62.4	51.0	76.6
127	9.0	6.7	10.1

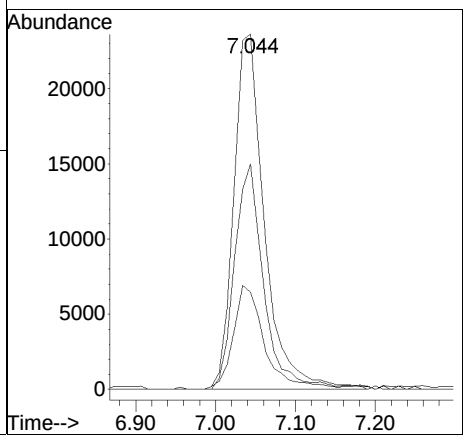


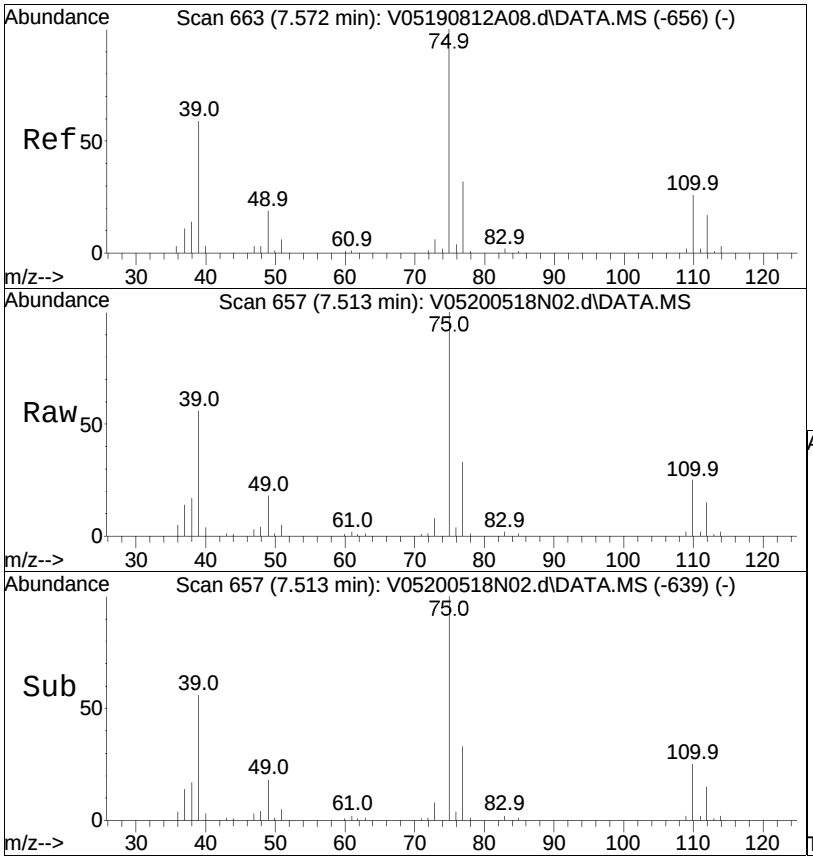


#57
1,4-Dioxane
Concen: 549.45 ug/L
RT: 7.044 min Scan# 609
Delta R.T. -0.010 min
Lab File: V05200518N02.d
Acq: 18 May 2020 6:28 pm

Tgt Ion: 88 Resp: 63185

Ion	Ratio	Lower	Upper
88	100		
58	61.0	50.6	75.8
43	29.9	20.5	30.7

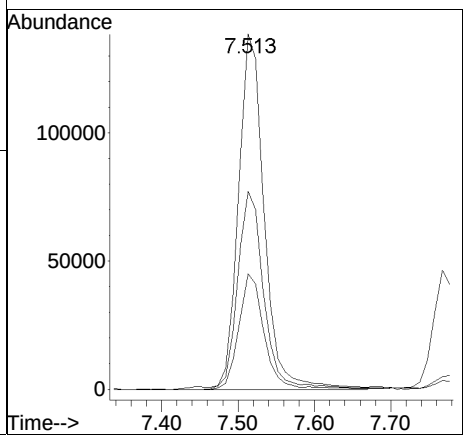


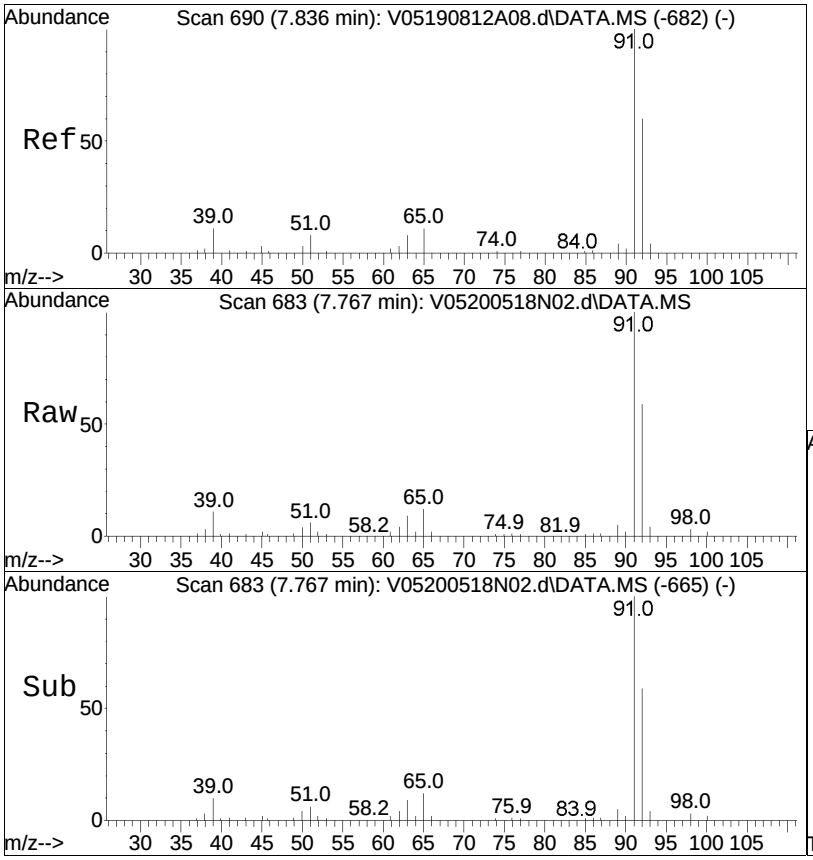


#58
cis-1,3-Dichloropropene
Concen: 8.73 ug/L
RT: 7.513 min Scan# 657
Delta R.T. -0.020 min
Lab File: V05200518N02.d
Acq: 18 May 2020 6:28 pm

Tgt Ion: 75 Resp: 326122

Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.5	38.3
39	57.4	40.4	60.6

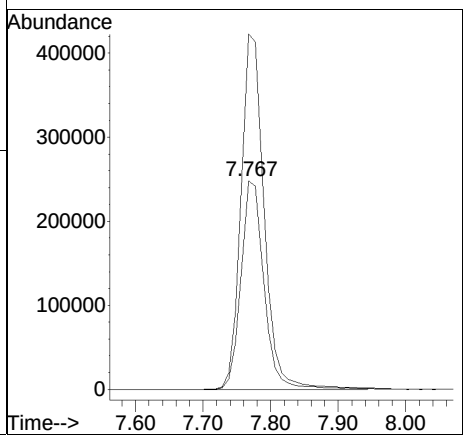


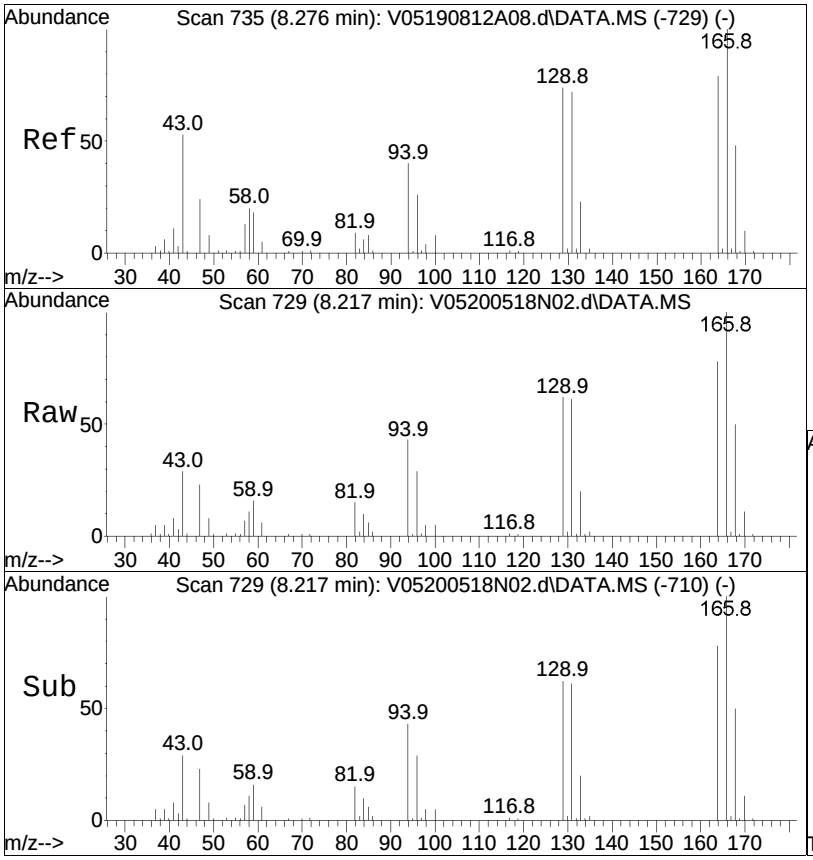


#61
Toluene
Concen: 9.12 ug/L
RT: 7.767 min Scan# 683
Delta R.T. -0.020 min
Lab File: V05200518N02.d
Acq: 18 May 2020 6:28 pm

Tgt Ion: 92 Resp: 589626

Ion	Ratio	Lower	Upper
92	100		
91	171.0	135.2	202.8

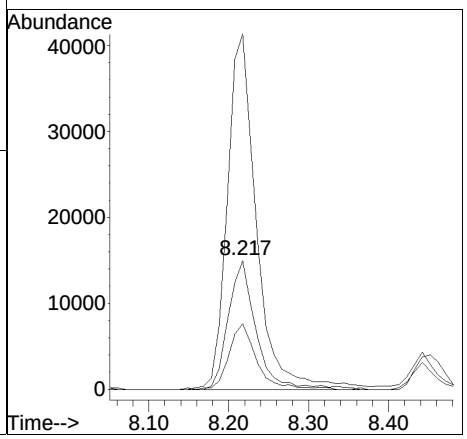


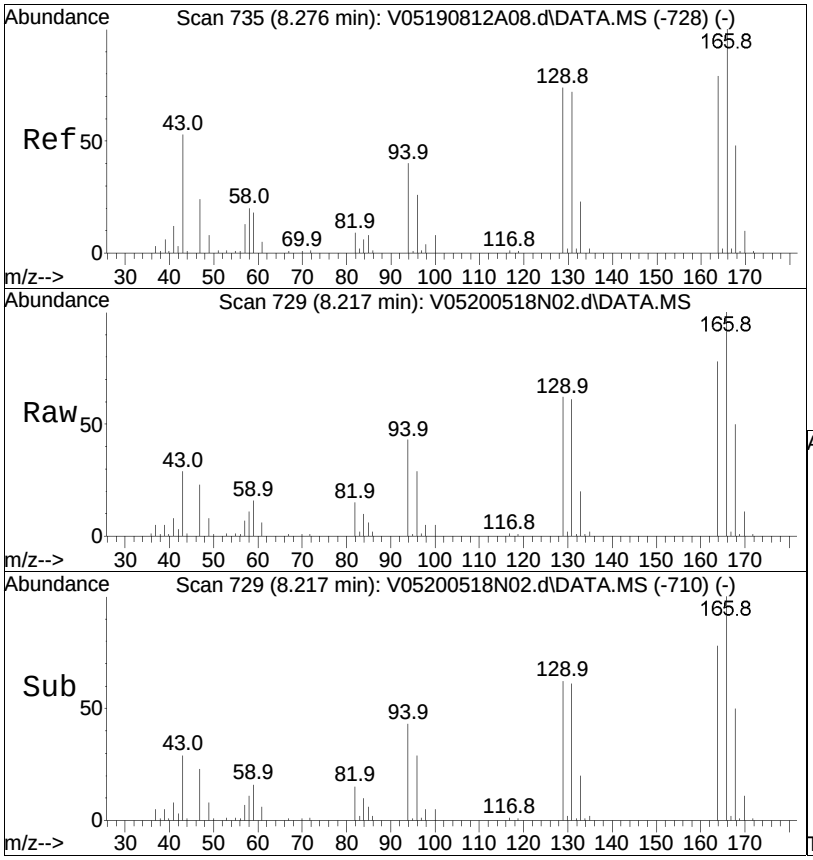


#62
4-Methyl-2-pentanone
Concen: 7.59 ug/L
RT: 8.217 min Scan# 729
Delta R.T. -0.010 min
Lab File: V05200518N02.d
Acq: 18 May 2020 6:28 pm

Tgt Ion: 58 Resp: 36417

Ion	Ratio	Lower	Upper
58	100		
100	50.9	38.9	58.3
43	289.2	204.2	306.2

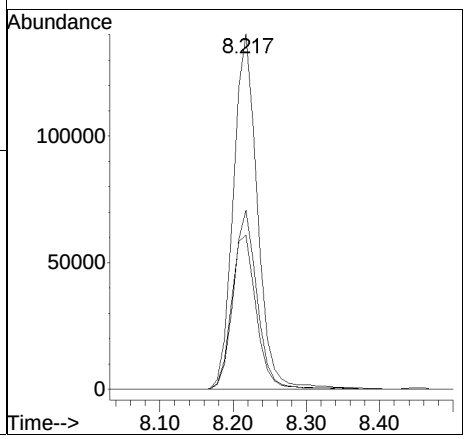


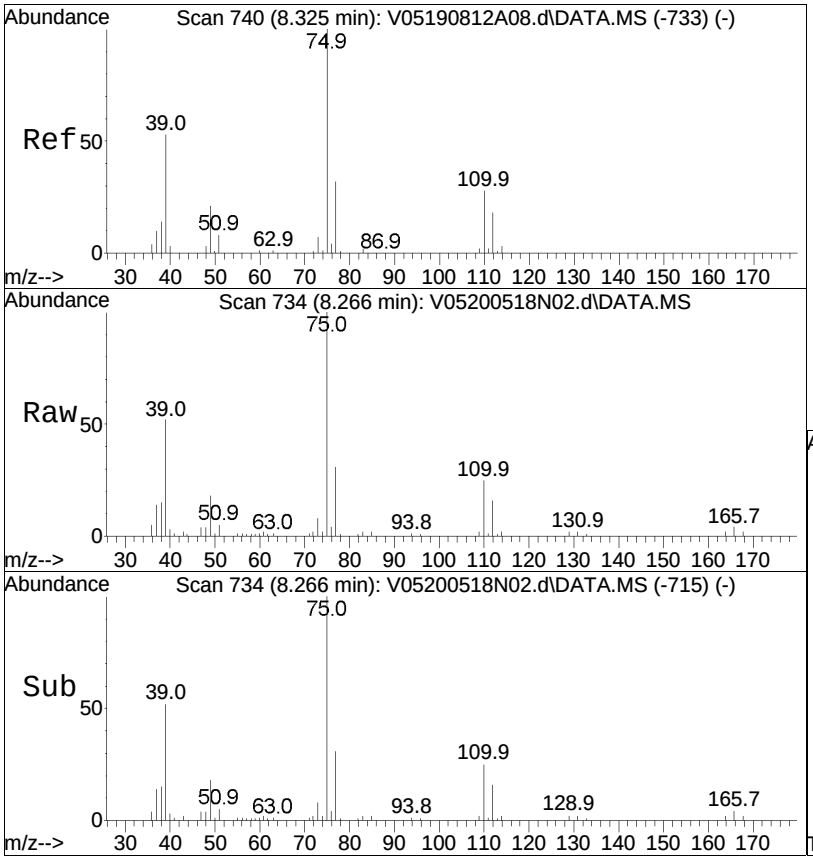


#63
Tetrachloroethene
Concen: 10.50 ug/L
RT: 8.217 min Scan# 729
Delta R.T. -0.010 min
Lab File: V05200518N02.d
Acq: 18 May 2020 6:28 pm

Tgt Ion:166 Resp: 323022

Ion	Ratio	Lower	Upper
166	100		
168	49.5	30.2	70.2
94	45.0	32.5	72.5

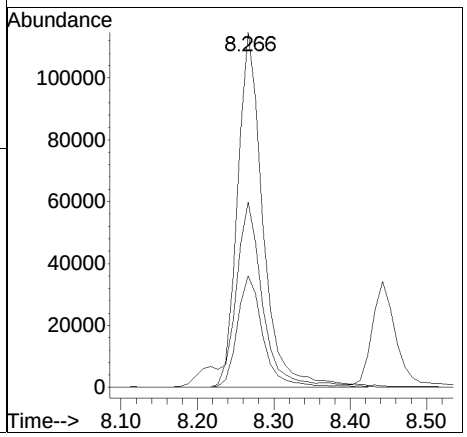


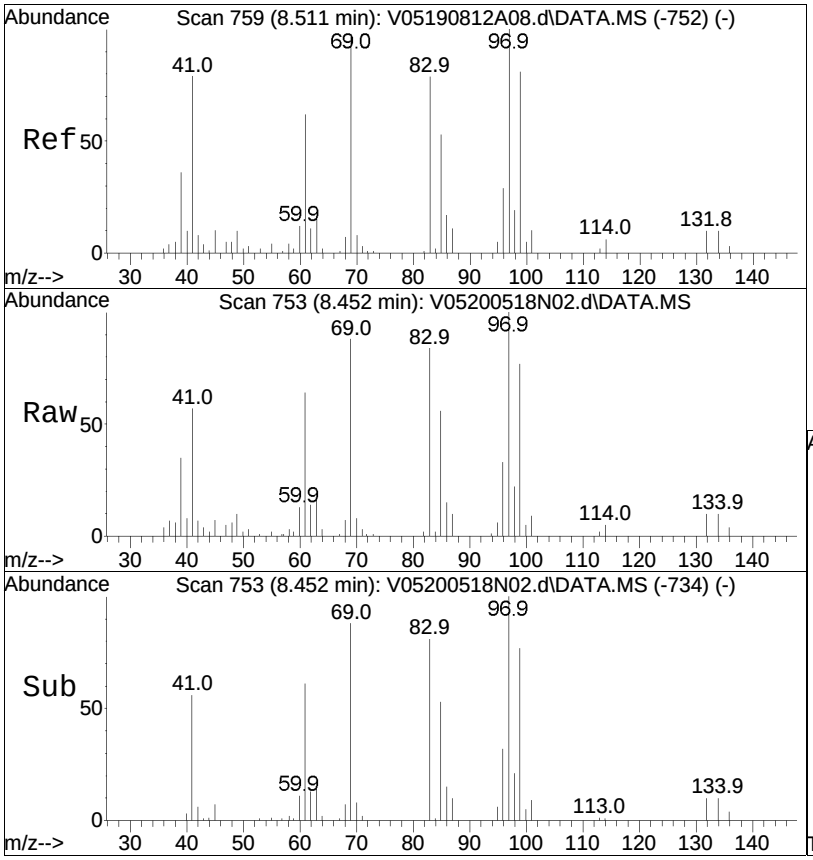


#65
trans-1,3-Dichloropropene
Concen: 8.47 ug/L
RT: 8.266 min Scan# 734
Delta R.T. -0.010 min
Lab File: V05200518N02.d
Acq: 18 May 2020 6:28 pm

Tgt Ion: 75 Resp: 266553

Ion	Ratio	Lower	Upper
75	100		
77	32.1	11.5	51.5
39	58.8	29.3	69.3

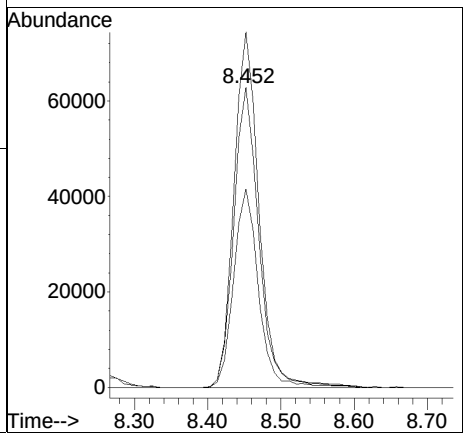


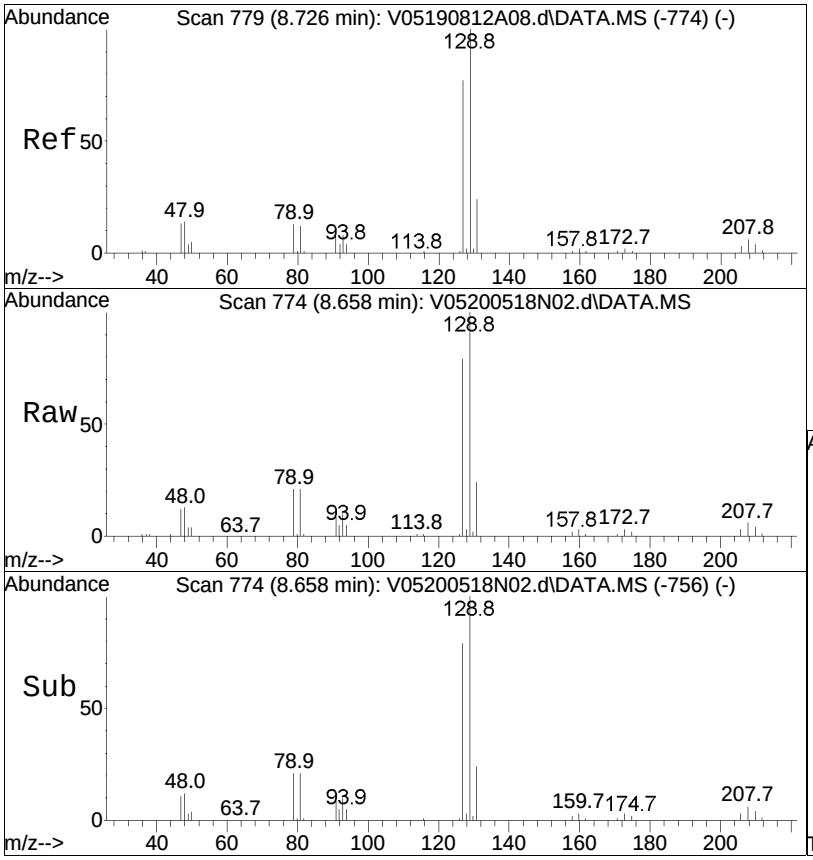


#68
1,1,2-Trichloroethane
Concen: 10.23 ug/L
RT: 8.452 min Scan# 753
Delta R.T. -0.010 min
Lab File: V05200518N02.d
Acq: 18 May 2020 6:28 pm

Tgt Ion: 83 Resp: 150202

Ion	Ratio	Lower	Upper
83	100		
97	118.6	102.2	142.2
85	65.5	47.5	87.5

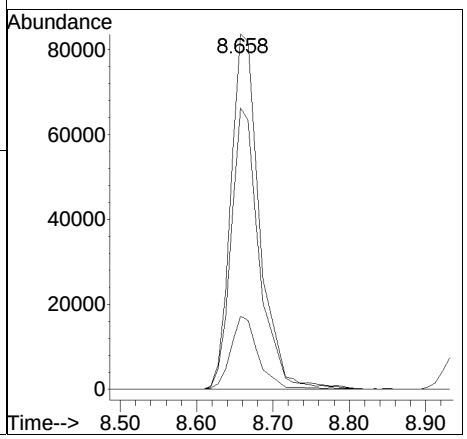


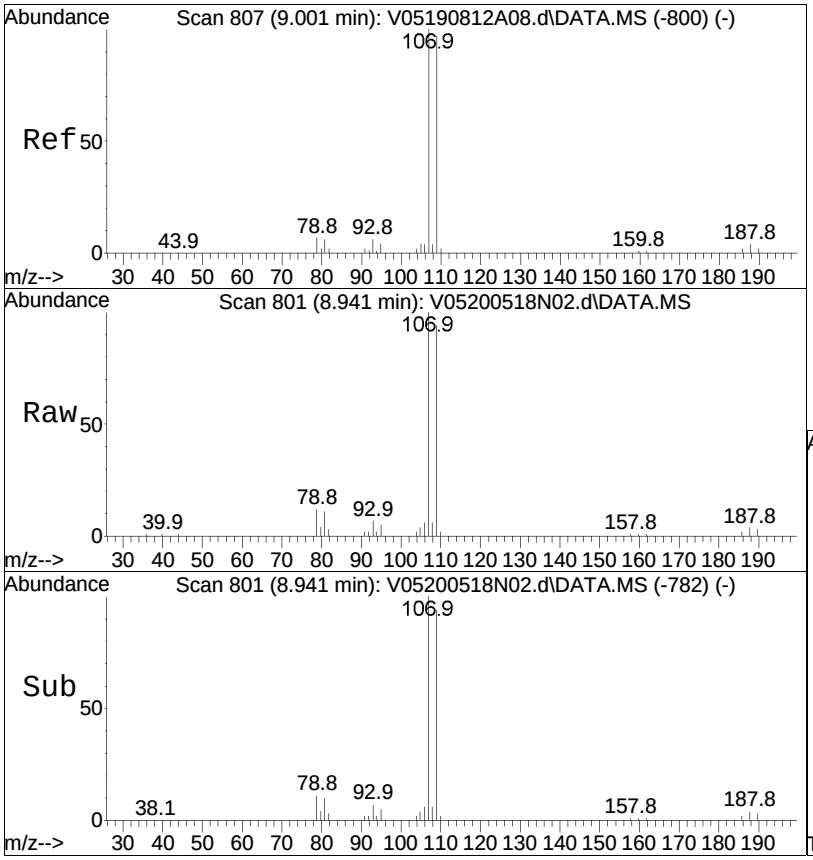


#69
Chlorodibromomethane
Concen: 9.45 ug/L
RT: 8.658 min Scan# 774
Delta R.T. -0.019 min
Lab File: V05200518N02.d
Acq: 18 May 2020 6:28 pm

Tgt Ion:129 Resp: 222667

Ion	Ratio	Lower	Upper
129	100		
81	20.2	0.0	37.0
127	77.2	58.3	98.3

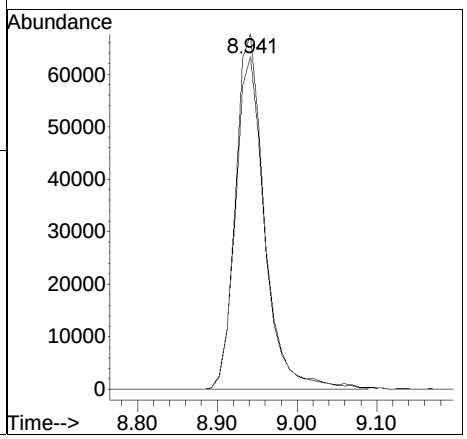


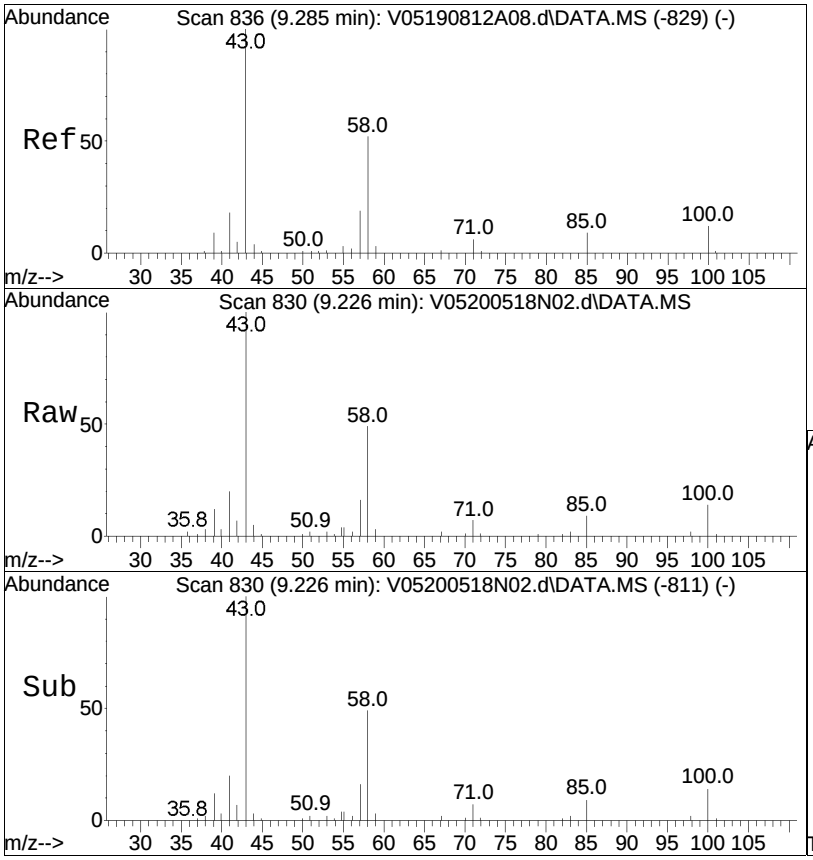


#71
1,2-Dibromoethane
Concen: 10.00 ug/L
RT: 8.941 min Scan# 801
Delta R.T. -0.011 min
Lab File: V05200518N02.d
Acq: 18 May 2020 6:28 pm

Tgt Ion:107 Resp: 172263

Ion	Ratio	Lower	Upper
107	100		
109	94.6	75.0	112.6

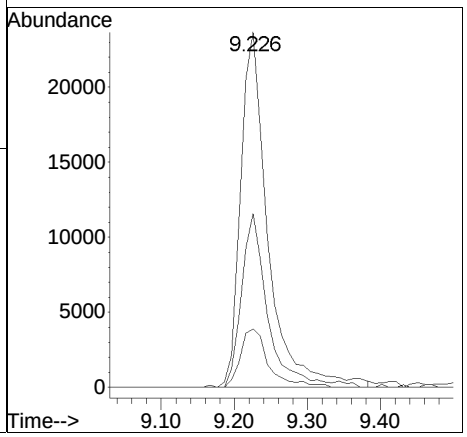


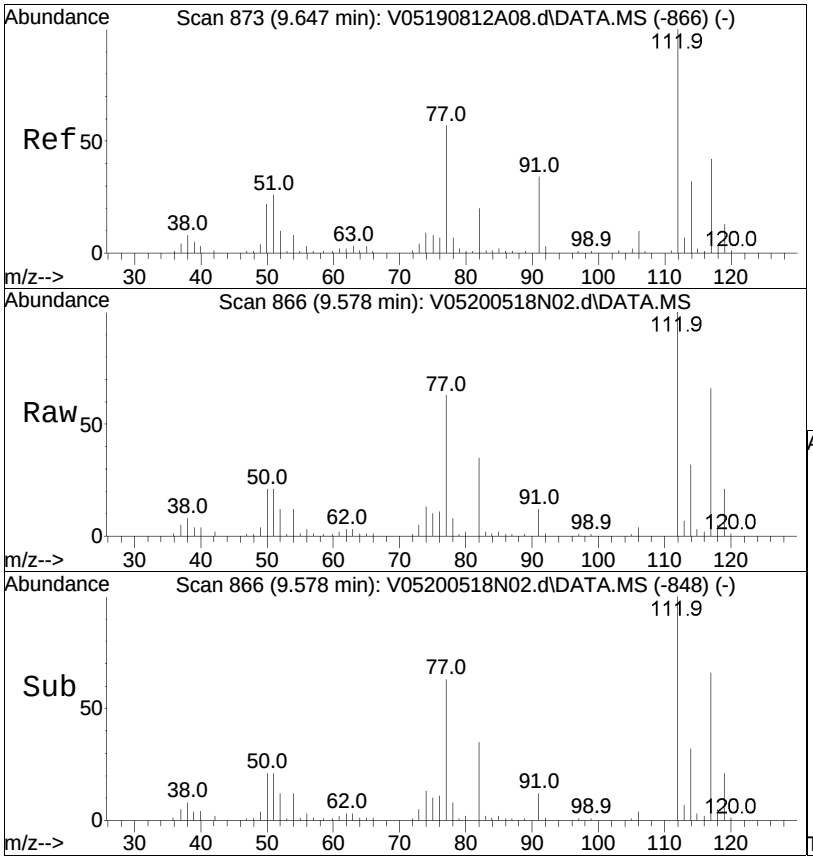


#72
2-Hexanone
Concen: 7.71 ug/L
RT: 9.226 min Scan# 830
Delta R.T. -0.010 min
Lab File: V05200518N02.d
Acq: 18 May 2020 6:28 pm

Tgt Ion: 43 Resp: 61998

Ion	Ratio	Lower	Upper
43	100		
58	47.1	42.3	63.5
57	16.9	15.6	23.4

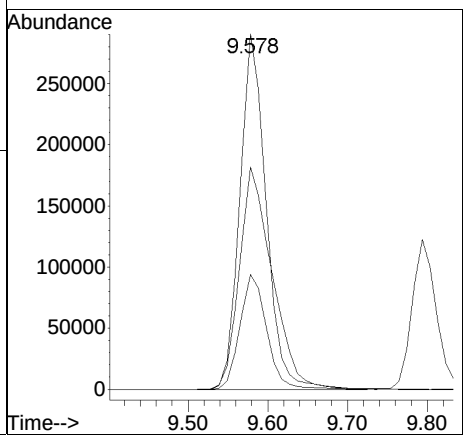


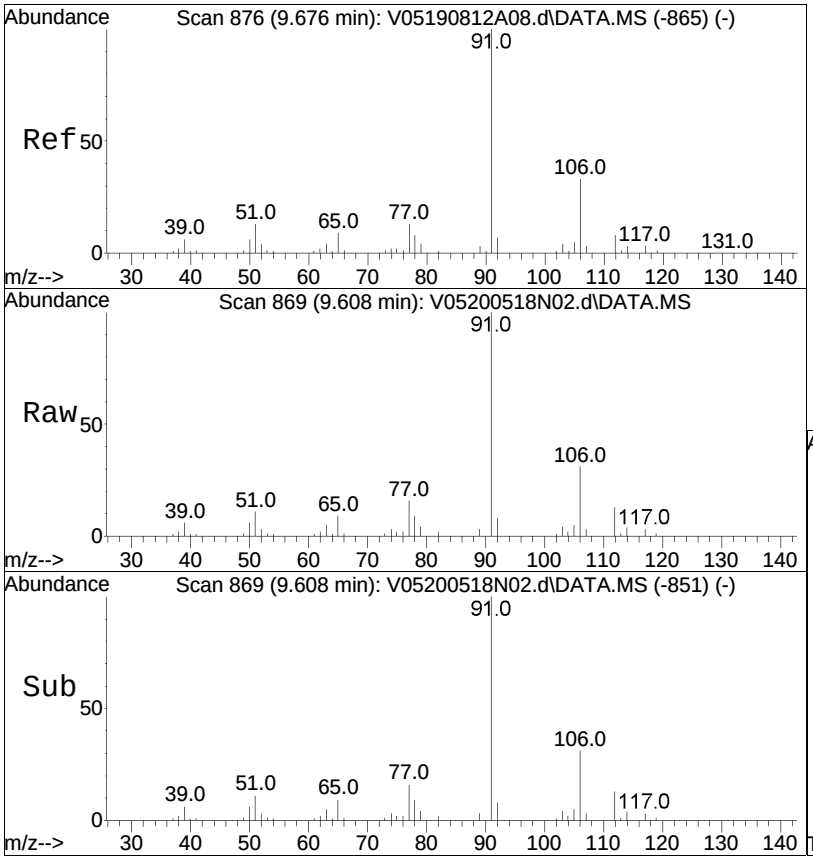


#73
Chlorobenzene
Concen: 9.63 ug/L
RT: 9.578 min Scan# 866
Delta R.T. -0.020 min
Lab File: V05200518N02.d
Acq: 18 May 2020 6:28 pm

Tgt Ion:112 Resp: 667234

Ion	Ratio	Lower	Upper
112	100		
77	78.0	66.1	99.1
114	33.0	25.4	38.0

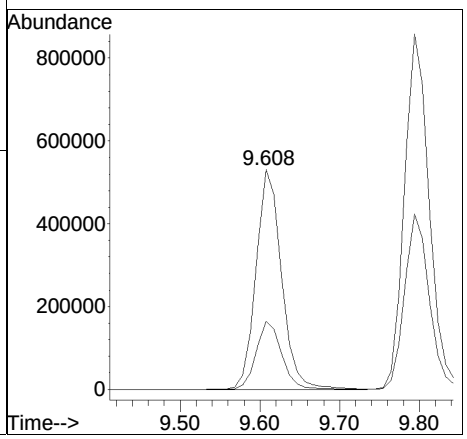


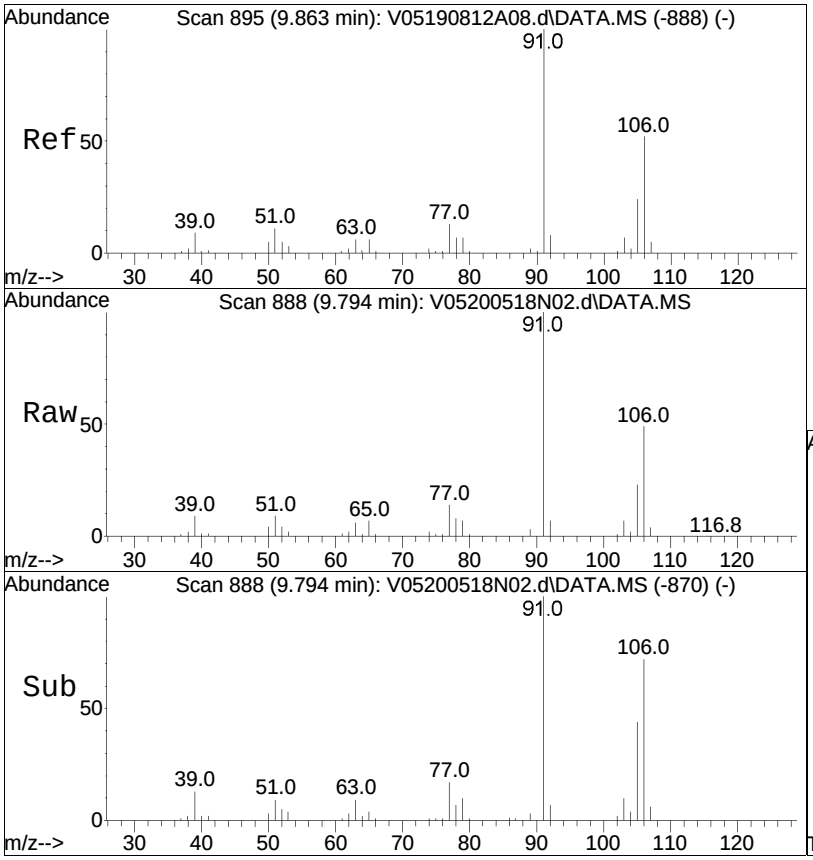


#74
Ethylbenzene
Concen: 9.67 ug/L
RT: 9.608 min Scan# 869
Delta R.T. -0.019 min
Lab File: V05200518N02.d
Acq: 18 May 2020 6:28 pm

Tgt Ion: 91 Resp: 1182899

Ion	Ratio	Lower	Upper
91	100		
106	30.9	22.9	34.3

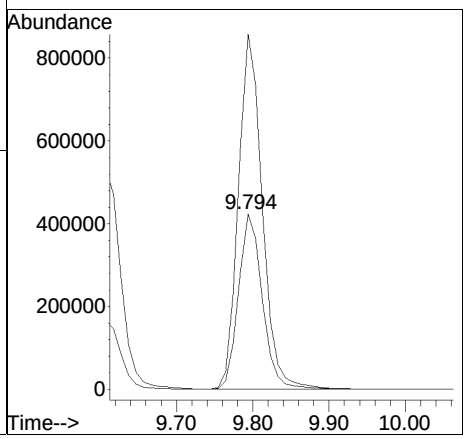


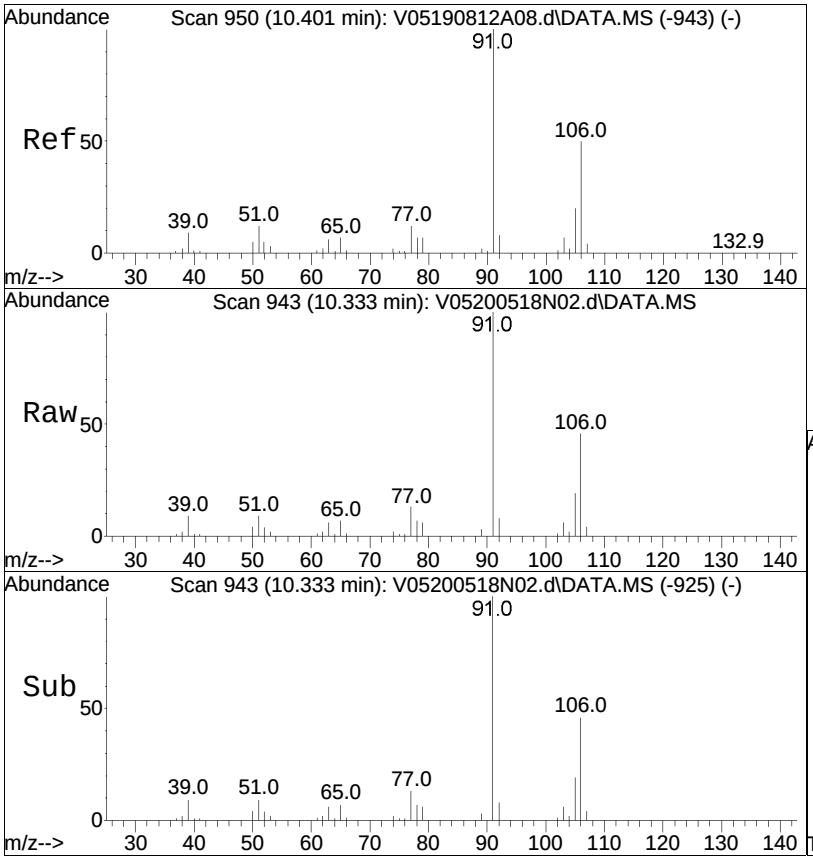


#76
p/m Xylene
Concen: 19.05 ug/L
RT: 9.794 min Scan# 888
Delta R.T. -0.020 min
Lab File: V05200518N02.d
Acq: 18 May 2020 6:28 pm

Tgt Ion:106 Resp: 918897

Ion	Ratio	Lower	Upper
106	100		
91	202.6	177.2	265.8

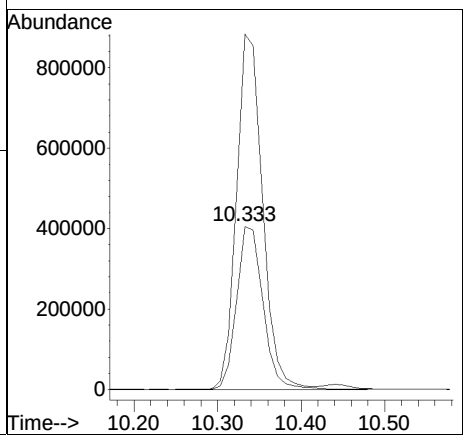


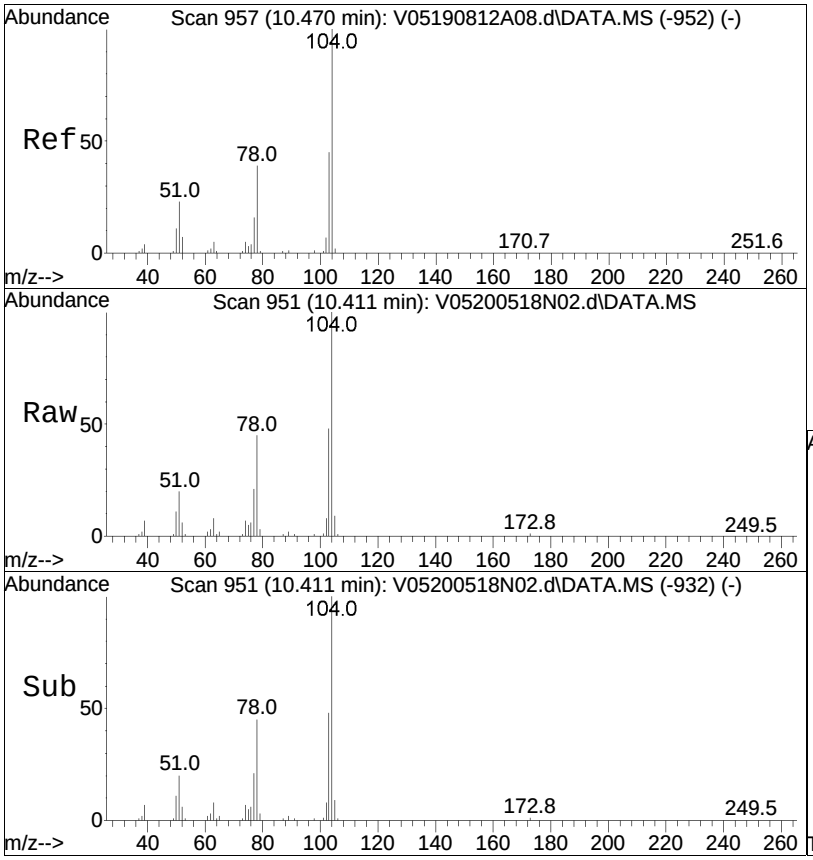


#77
o Xylene
Concen: 19.20 ug/L
RT: 10.333 min Scan# 943
Delta R.T. -0.019 min
Lab File: V05200518N02.d
Acq: 18 May 2020 6:28 pm

Tgt Ion:106 Resp: 890478

Ion	Ratio	Lower	Upper
106	100		
91	214.6	187.0	280.6

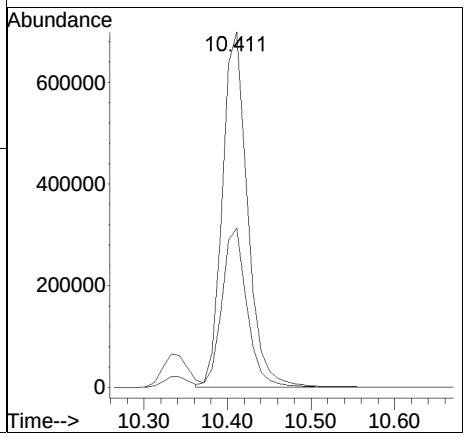


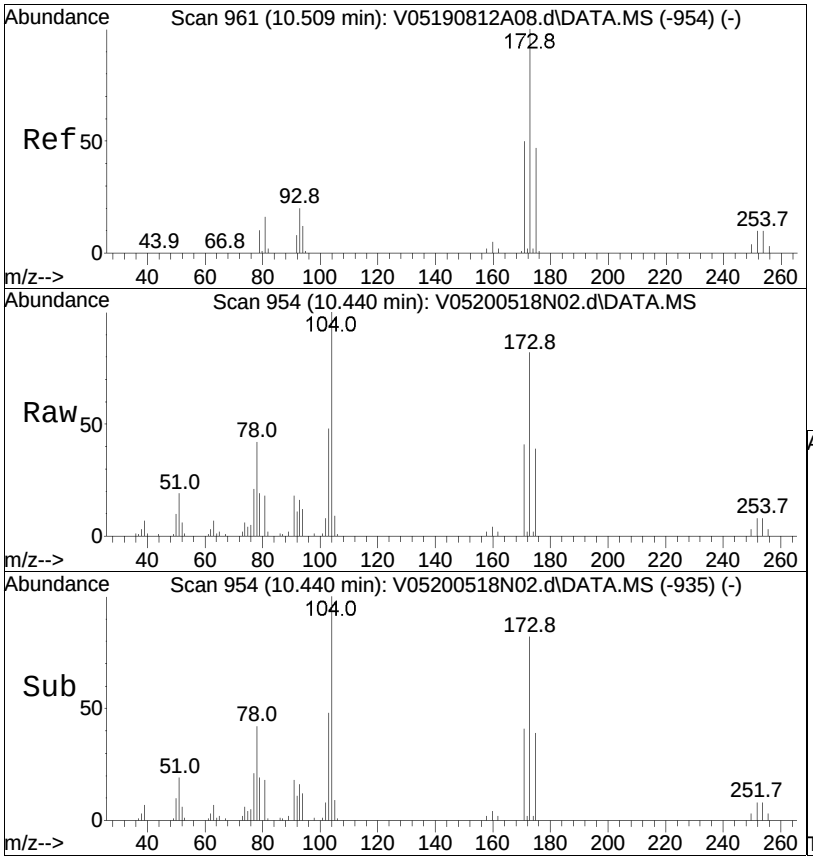


#78
Styrene
Concen: 20.29 ug/L
RT: 10.411 min Scan# 951
Delta R.T. -0.010 min
Lab File: V05200518N02.d
Acq: 18 May 2020 6:28 pm

Tgt Ion:104 Resp: 1463512

Ion	Ratio	Lower	Upper
104	100		
78	44.6	39.6	59.4

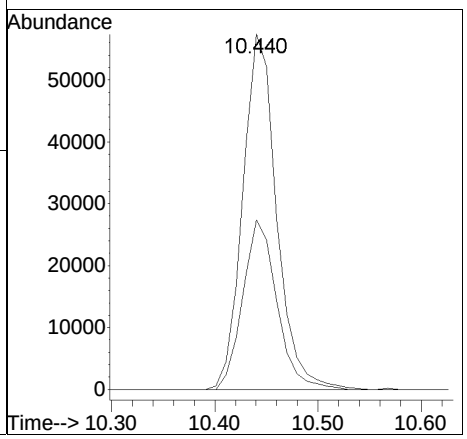


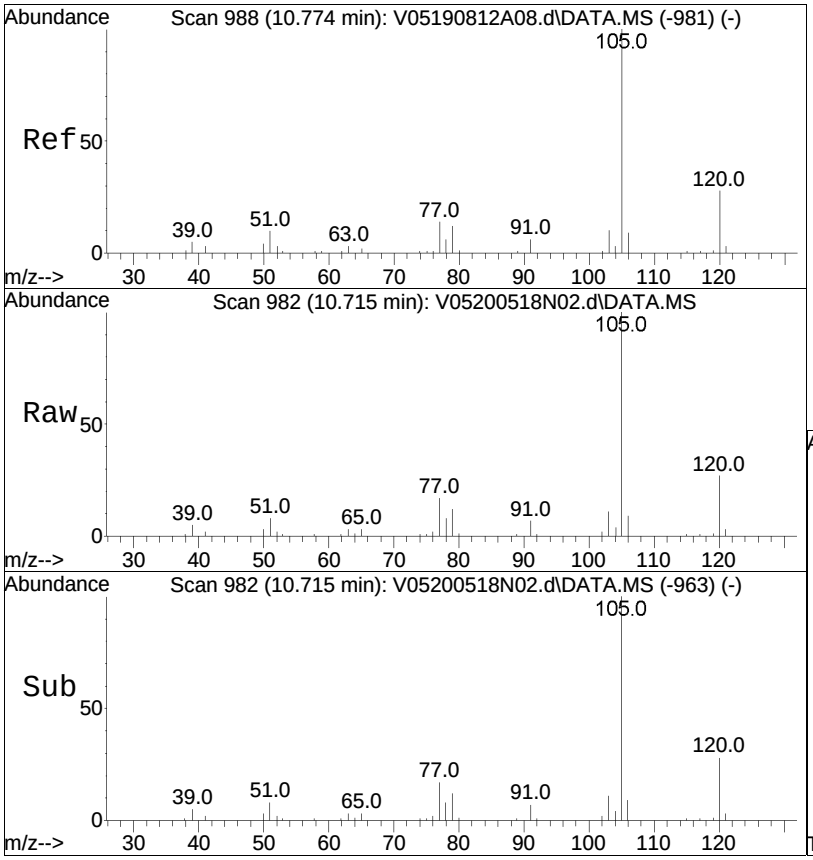


#80
Bromoform
Concen: 9.47 ug/L
RT: 10.440 min Scan# 954
Delta R.T. -0.010 min
Lab File: V05200518N02.d
Acq: 18 May 2020 6:28 pm

Tgt Ion:173 Resp: 130796

Ion	Ratio	Lower	Upper
173	100		
175	48.1	26.6	66.6

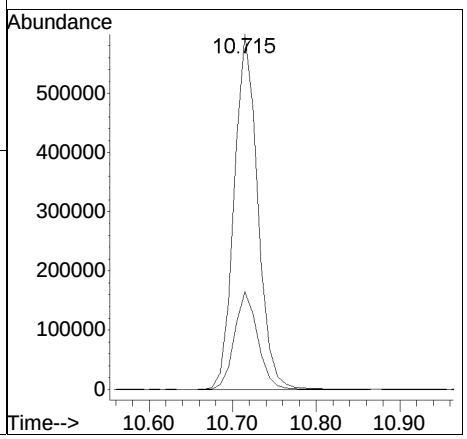


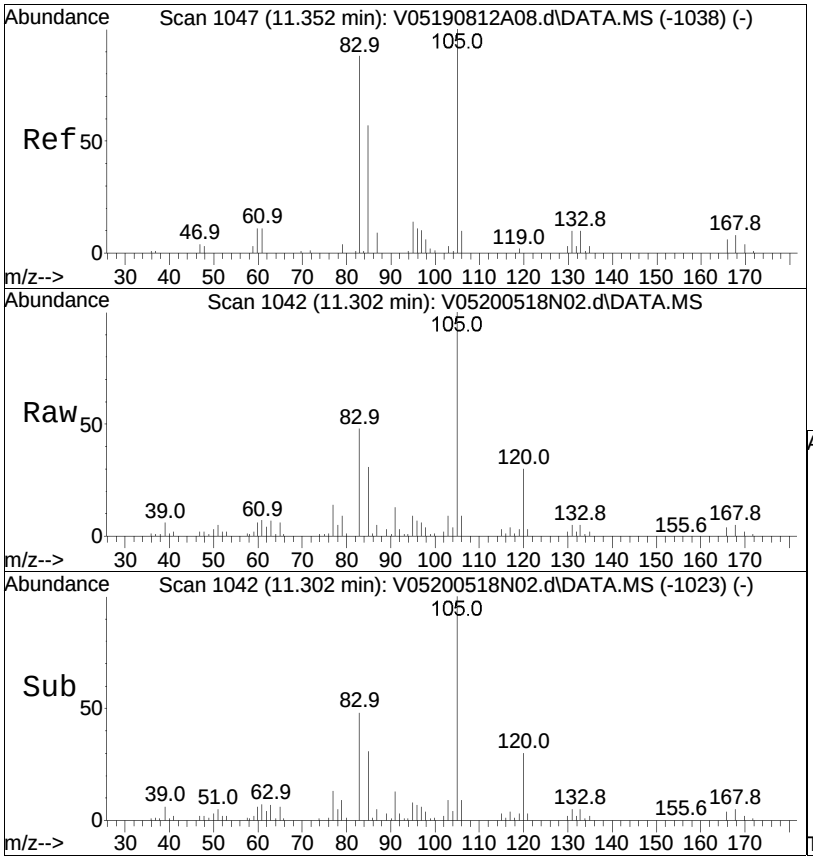


#82
Isopropylbenzene
Concen: 8.29 ug/L
RT: 10.715 min Scan# 982
Delta R.T. -0.010 min
Lab File: V05200518N02.d
Acq: 18 May 2020 6:28 pm

Tgt Ion:105 Resp: 1171955

Ion	Ratio	Lower	Upper
105	100		
120	27.2	4.8	44.8

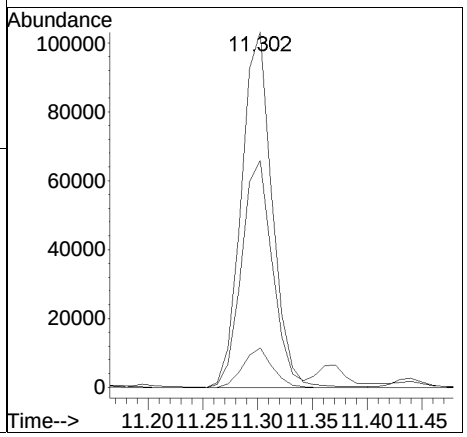


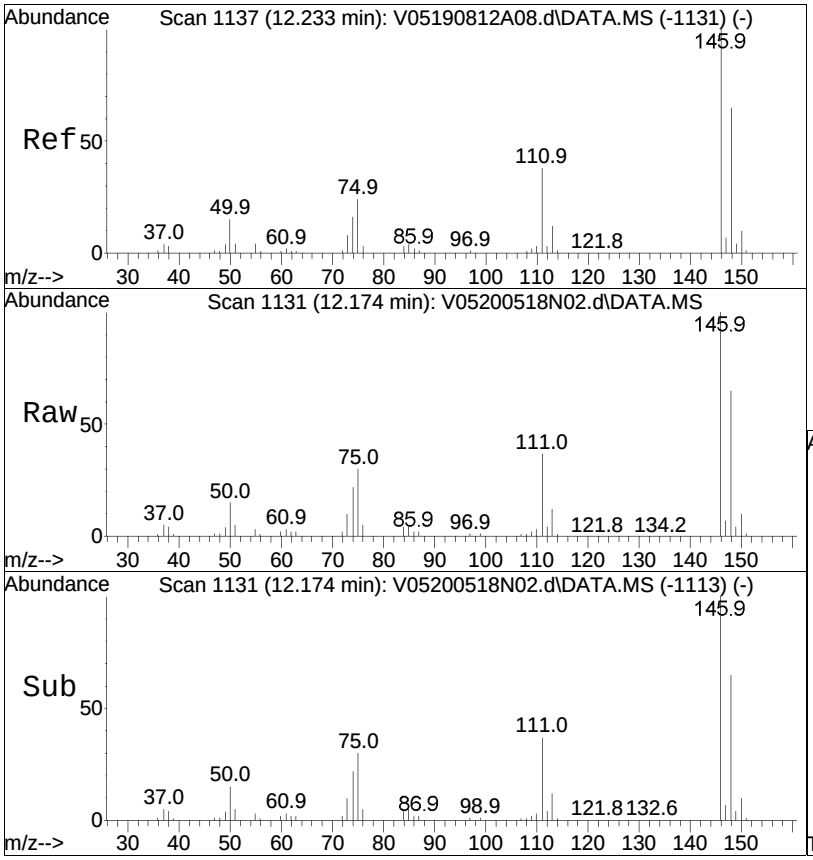


#87
1,1,2,2-Tetrachloroethane
Concen: 9.57 ug/L
RT: 11.302 min Scan# 1042
Delta R.T. -0.010 min
Lab File: V05200518N02.d
Acq: 18 May 2020 6:28 pm

Tgt Ion: 83 Resp: 201187

Ion	Ratio	Lower	Upper
83	100		
131	10.5	0.0	30.4
85	64.1	46.4	86.4

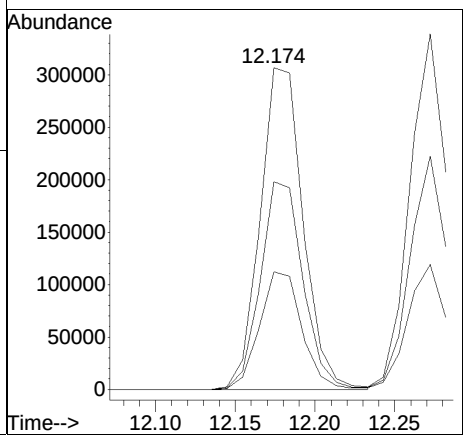


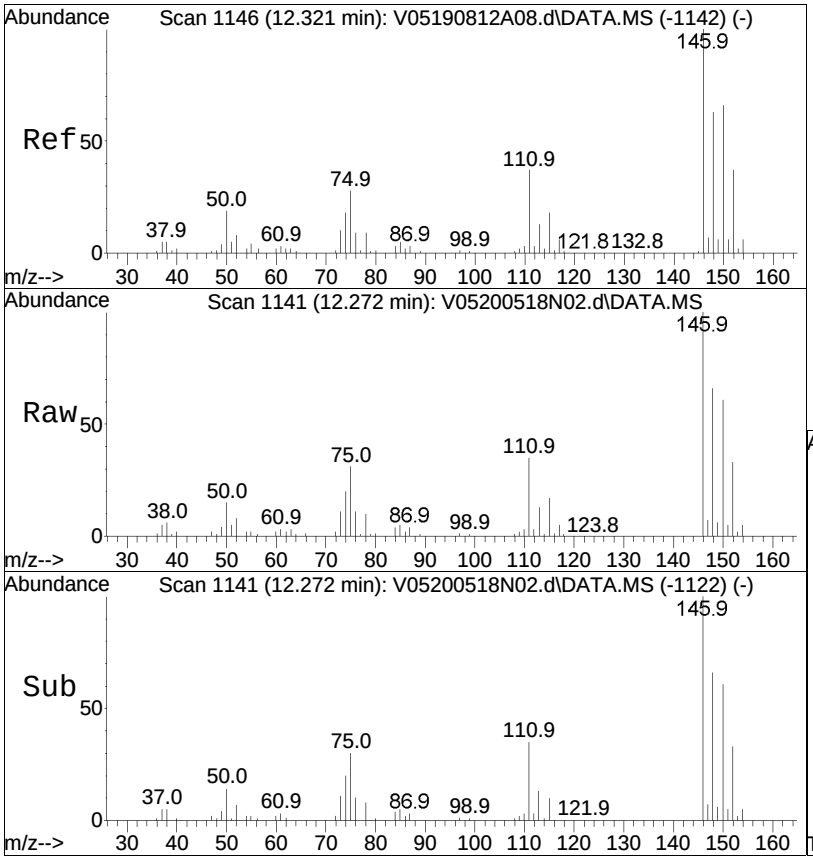


#100
1,3-Dichlorobenzene
Concen: 9.24 ug/L
RT: 12.174 min Scan# 1131
Delta R.T. -0.020 min
Lab File: V05200518N02.d
Acq: 18 May 2020 6:28 pm

Tgt Ion:146 Resp: 574354

Ion	Ratio	Lower	Upper
146	100		
111	36.0	28.0	58.1
148	64.1	41.6	86.4

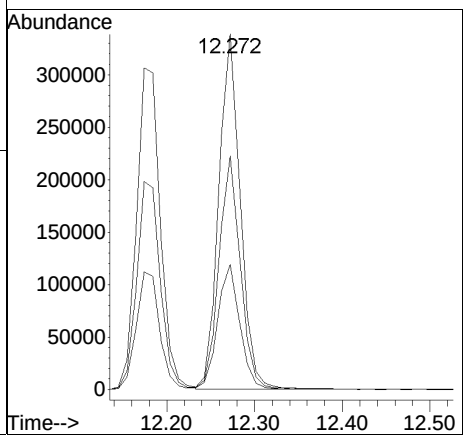


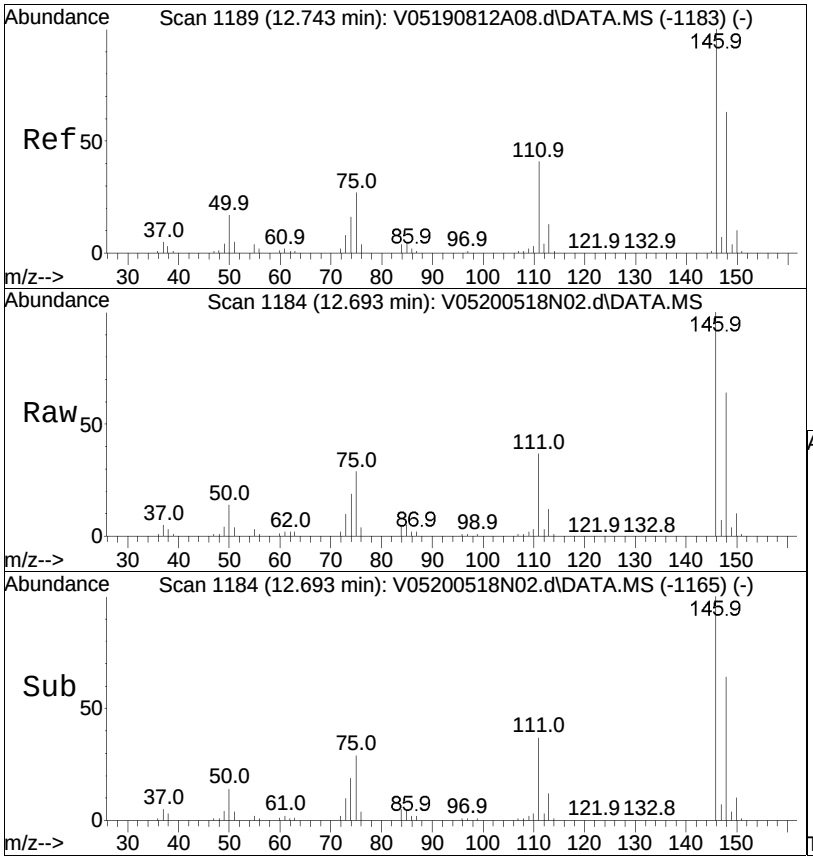


#101
1,4-Dichlorobenzene
Concen: 9.24 ug/L
RT: 12.272 min Scan# 1141
Delta R.T. -0.010 min
Lab File: V05200518N02.d
Acq: 18 May 2020 6:28 pm

Tgt Ion:146 Resp: 577185

Ion	Ratio	Lower	Upper
146	100		
111	36.6	33.8	50.6
148	65.3	51.0	76.6

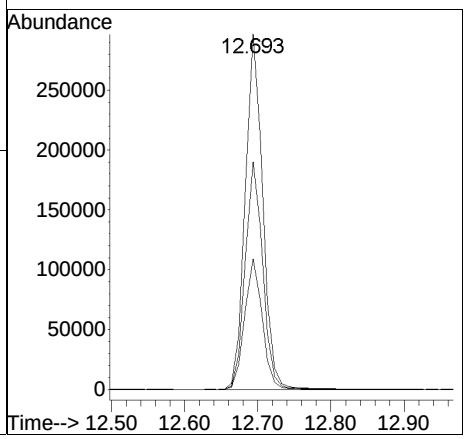


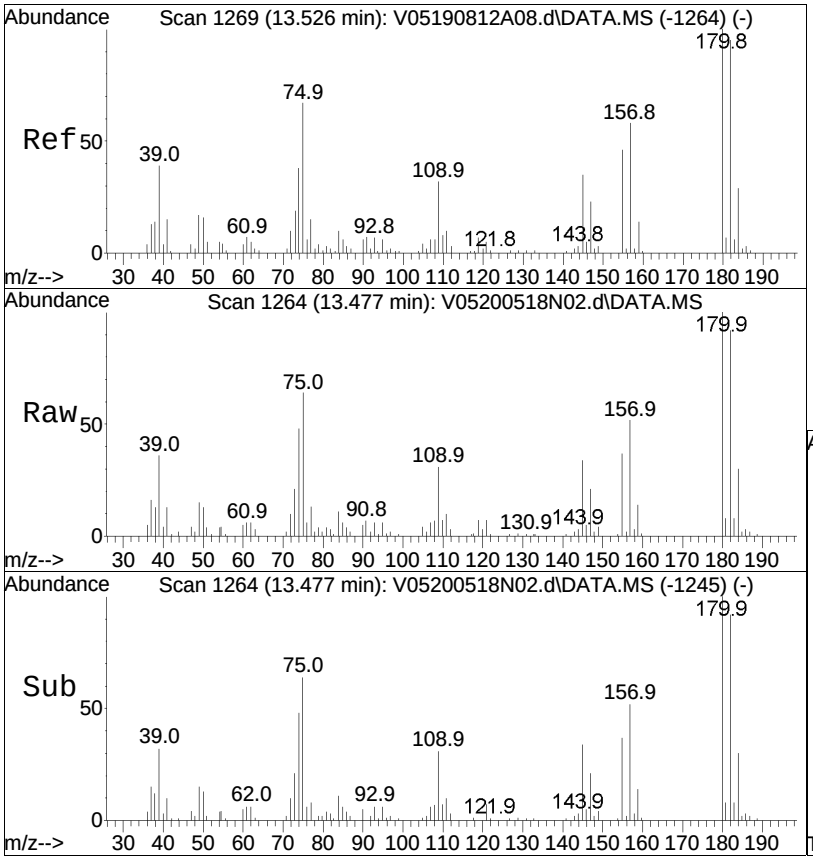


#104
1,2-Dichlorobenzene
Concen: 9.04 ug/L
RT: 12.693 min Scan# 1184
Delta R.T. -0.010 min
Lab File: V05200518N02.d
Acq: 18 May 2020 6:28 pm

Tgt Ion:146 Resp: 495479

Ion	Ratio	Lower	Upper
146	100		
111	37.0	29.1	60.5
148	64.2	41.7	86.7

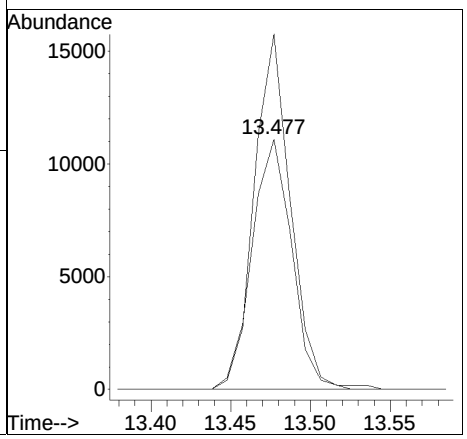


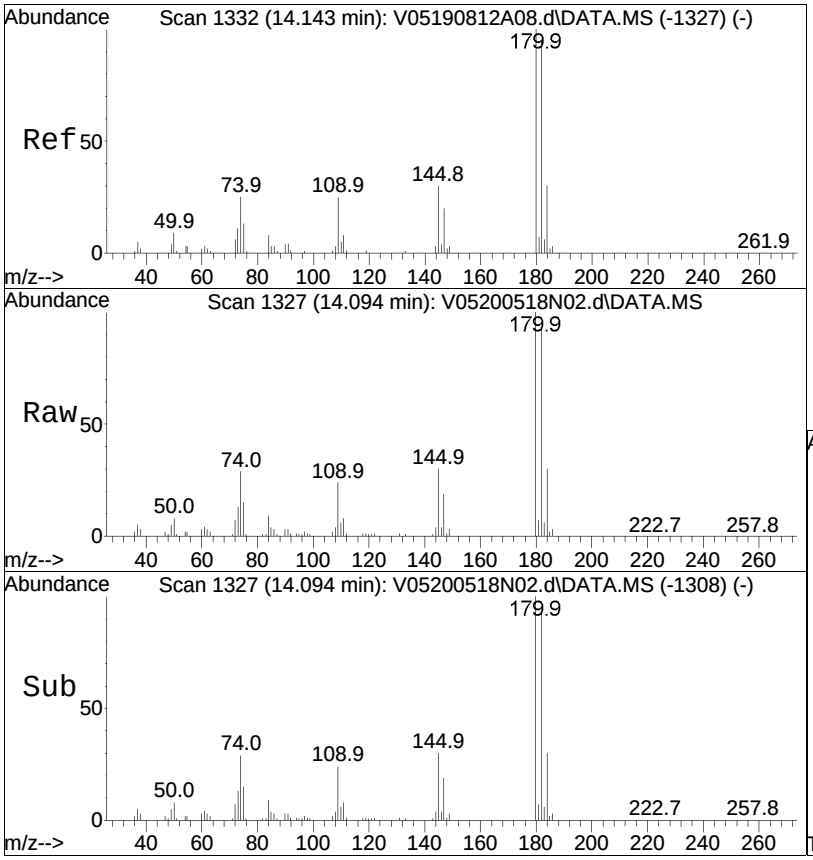


#106
1,2-Dibromo-3-chloropropane
Concen: 6.92 ug/L
RT: 13.477 min Scan# 1264
Delta R.T. -0.010 min
Lab File: V05200518N02.d
Acq: 18 May 2020 6:28 pm

Tgt Ion:155 Resp: 19241

Ion	Ratio	Lower	Upper
155	100		
157	130.1	105.0	157.6

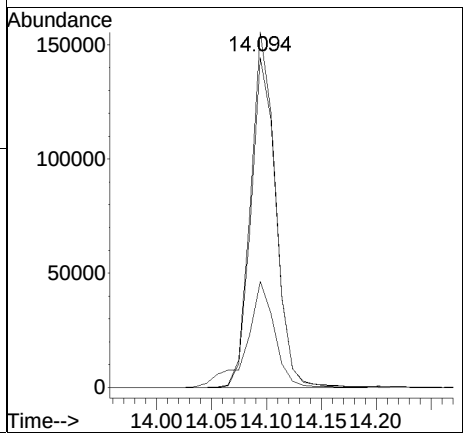


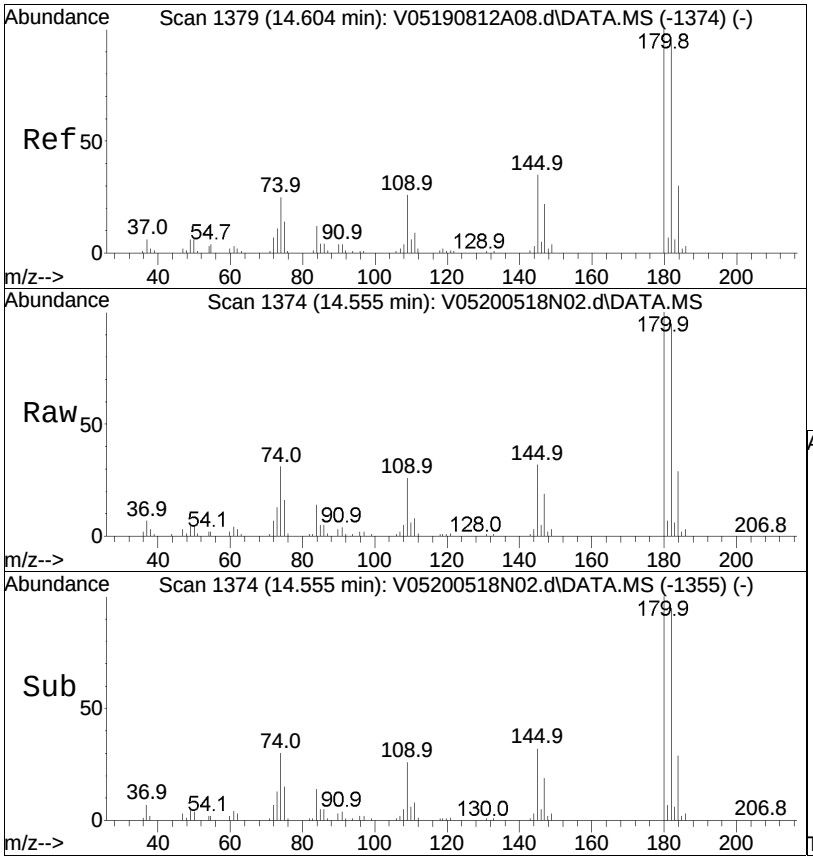


#109
1,2,4-Trichlorobenzene
Concen: 7.23 ug/L
RT: 14.094 min Scan# 1327
Delta R.T. -0.010 min
Lab File: V05200518N02.d
Acq: 18 May 2020 6:28 pm

Tgt Ion:180 Resp: 246538

Ion	Ratio	Lower	Upper
180	100		
182	94.3	75.2	112.8
145	33.5	27.4	41.2

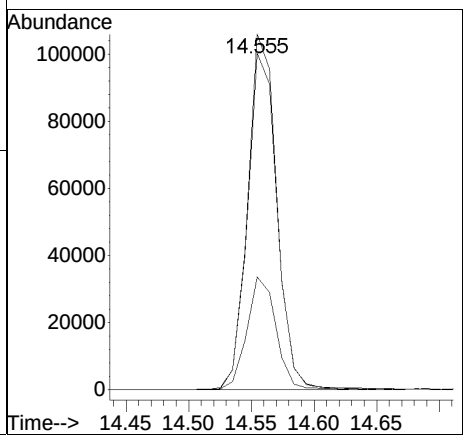




#111
1,2,3-Trichlorobenzene
Concen: 6.56 ug/L
RT: 14.555 min Scan# 1374
Delta R.T. -0.010 min
Lab File: V05200518N02.d
Acq: 18 May 2020 6:28 pm

Tgt Ion:180 Resp: 171052

Ion	Ratio	Lower	Upper
180	100		
182	96.5	75.5	113.3
145	31.7	26.5	39.7

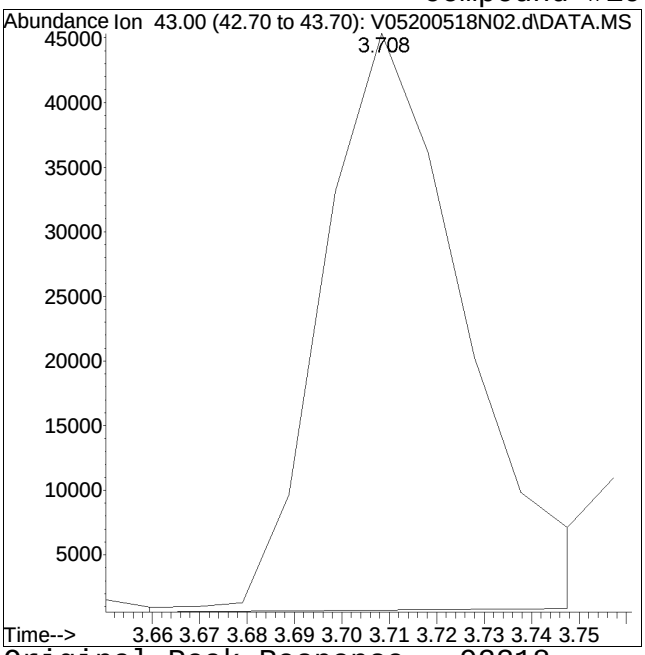


Manual Integration Report

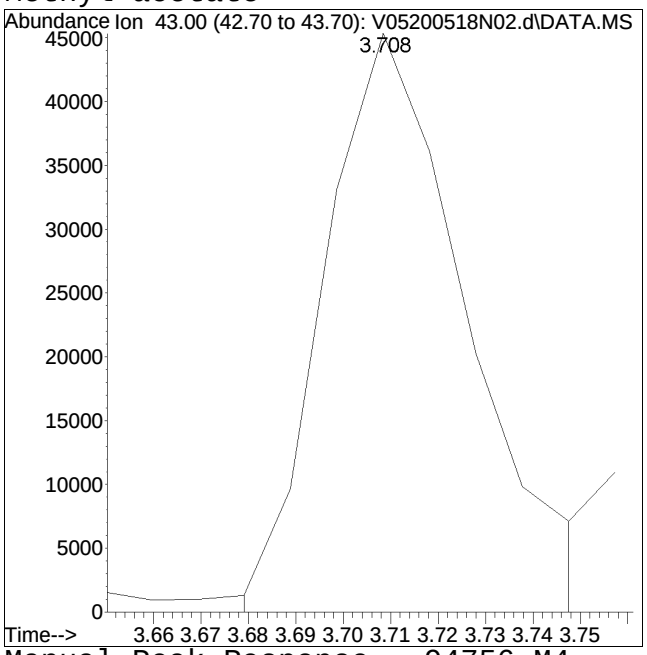
Data Path : I:\VOLATILES\VOA105\2020\2Q
Data File : V05200518N02.d
Date Inj'd : 5/18/2020 6:28 pm
Sample : WG1372229-4,31,10,10

Method : V105_200313N_8260.m
Operator : VOA105:AJK
Instrument : VOA 105
Quant Date : 5/18/2020 6:54 pm

Compound #19: Methyl acetate



Original Peak Response = 92318



Manual Peak Response = 94756 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2020\200519A\
Data File : VE200519A03.D
Acq On : 19 May 2020 9:27 am
Operator : ELAINE:PD
Sample : WG1372327-4,31,10,10
Misc : WG1372327,ICAL16716
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 19 09:53:37 2020
Quant Method : I:\VOLATILES\Elaine\2020\200519A\Elaine_200421N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 22 18:53:41 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2020\200519A\VE200519A02.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.490	96	208147	10.000	ug/L	0.00
Standard Area 1 = 211540			Recovery = 98.40%			
59) Chlorobenzene-d5	8.494	117	156168	10.000	ug/L	0.00
Standard Area 1 = 159928			Recovery = 97.65%			
79) 1,4-Dichlorobenzene-d4	9.986	152	79112	10.000	ug/L	0.00
Standard Area 1 = 80793			Recovery = 97.92%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.505	113	47415	9.588	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.88%			
43) 1,2-Dichloroethane-d4	5.145	65	50345	8.590	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 85.90%			
60) Toluene-d8	7.195	98	207483	9.836	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.36%			
83) 4-Bromofluorobenzene	9.315	95	71554	9.435	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.35%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.938	85	33825	9.913	ug/L	99
3) Chloromethane	1.060	50	41354	7.969	ug/L	98
4) Vinyl chloride	1.113	62	44664	9.355	ug/L	99
5) Bromomethane	1.319	94	18669	7.261	ug/L	91
6) Chloroethane	1.400	64	28020	10.183	ug/L	97
7) Trichlorofluoromethane	1.497	101	47666	9.168	ug/L	97
10) 1,1-Dichloroethene	1.862	96	30505	8.883	ug/L #	70
11) Carbon disulfide	1.867	76	70925	9.086	ug/L	98
12) Freon-113	1.903	101	34121M1	9.732	ug/L	
15) Methylene chloride	2.354	84	35655	9.094	ug/L	83
17) Acetone	2.413	43	8112M1	8.552	ug/L	
18) trans-1,2-Dichloroethene	2.499	96	32112	9.337	ug/L	86
19) Methyl acetate	2.543	43	24062	8.453	ug/L	98
20) Methyl tert-butyl ether	2.624	73	83839M1	7.888	ug/L	
23) 1,1-Dichloroethane	3.136	63	67272	8.903	ug/L	100
28) cis-1,2-Dichloroethene	3.826	96	36374	8.402	ug/L #	76
30) Bromochloromethane	4.099	128	17107	9.057	ug/L #	68
31) Cyclohexane	4.057	56	71914	8.973	ug/L	83
32) Chloroform	4.260	83	56340	8.430	ug/L	97
34) Carbon tetrachloride	4.371	117	42186	8.243	ug/L	98

Data Path : I:\VOLATILES\Elaine\2020\200519A\
Data File : VE200519A03.D
Acq On : 19 May 2020 9:27 am
Operator : ELAINE:PD
Sample : WG1372327-4,31,10,10
Misc : WG1372327,ICAL16716
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 19 09:53:37 2020
Quant Method : I:\VOLATILES\Elaine\2020\200519A\Elaine_200421N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 22 18:53:41 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2020\200519A\VE200519A02.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) 1,1,1-Trichloroethane	4.474	97	49493	8.285	ug/L	#	97
39) 2-Butanone	4.699	43	13849M1	8.826	ug/L		
41) Benzene	4.961	78	144315	8.764	ug/L		93
44) 1,2-Dichloroethane	5.228	62	40576	7.824	ug/L		96
47) Methyl cyclohexane	5.634	83	61437	8.935	ug/L		81
48) Trichloroethene	5.679	95	32424	8.038	ug/L		86
51) 1,2-Dichloropropane	6.249	63	39801	9.038	ug/L	#	92
54) Bromodichloromethane	6.355	83	41342	8.265	ug/L		99
57) 1,4-Dioxane	6.583	88	10579	372.933	ug/L	#	87
58) cis-1,3-Dichloropropene	7.017	75	52943	8.147	ug/L		95
61) Toluene	7.242	92	90709	8.784	ug/L		96
62) 4-Methyl-2-pentanone	7.657	58	10743	7.912	ug/L	#	92
63) Tetrachloroethene	7.599	166	35926	8.275	ug/L	#	83
65) trans-1,3-Dichloropropene	7.674	75	43034	7.315	ug/L		97
68) 1,1,2-Trichloroethane	7.804	83	22071	8.143	ug/L		95
69) Chlorodibromomethane	7.935	129	30193	8.125	ug/L		94
71) 1,2-Dibromoethane	8.097	107	25882	8.234	ug/L		95
72) 2-Hexanone	8.339	43	17993	7.101	ug/L		94
73) Chlorobenzene	8.506	112	100240	9.086	ug/L		89
74) Ethylbenzene	8.547	91	163774	8.726	ug/L		95
76) p/m Xylene	8.653	106	131761	17.621	ug/L		87
77) o Xylene	8.940	106	129031	18.030	ug/L		85
78) Styrene	8.976	104	210440	18.066	ug/L	#	84
80) Bromoform	8.981	173	17267	7.705	ug/L		98
82) Isopropylbenzene	9.148	105	160066	8.615	ug/L		92
87) 1,1,2,2-Tetrachloroethane	9.463	83	30011	8.315	ug/L		98
100) 1,3-Dichlorobenzene	9.941	146	77952	8.994	ug/L		96
101) 1,4-Dichlorobenzene	9.994	146	75851	8.740	ug/L		97
104) 1,2-Dichlorobenzene	10.236	146	72426	8.901	ug/L		98
106) 1,2-Dibromo-3-chloropr...	10.692	155	4277	6.858	ug/L		88
109) 1,2,4-Trichlorobenzene	11.065	180	48007	8.551	ug/L		98
111) 1,2,3-Trichlorobenzene	11.346	180	40903	8.008	ug/L		98

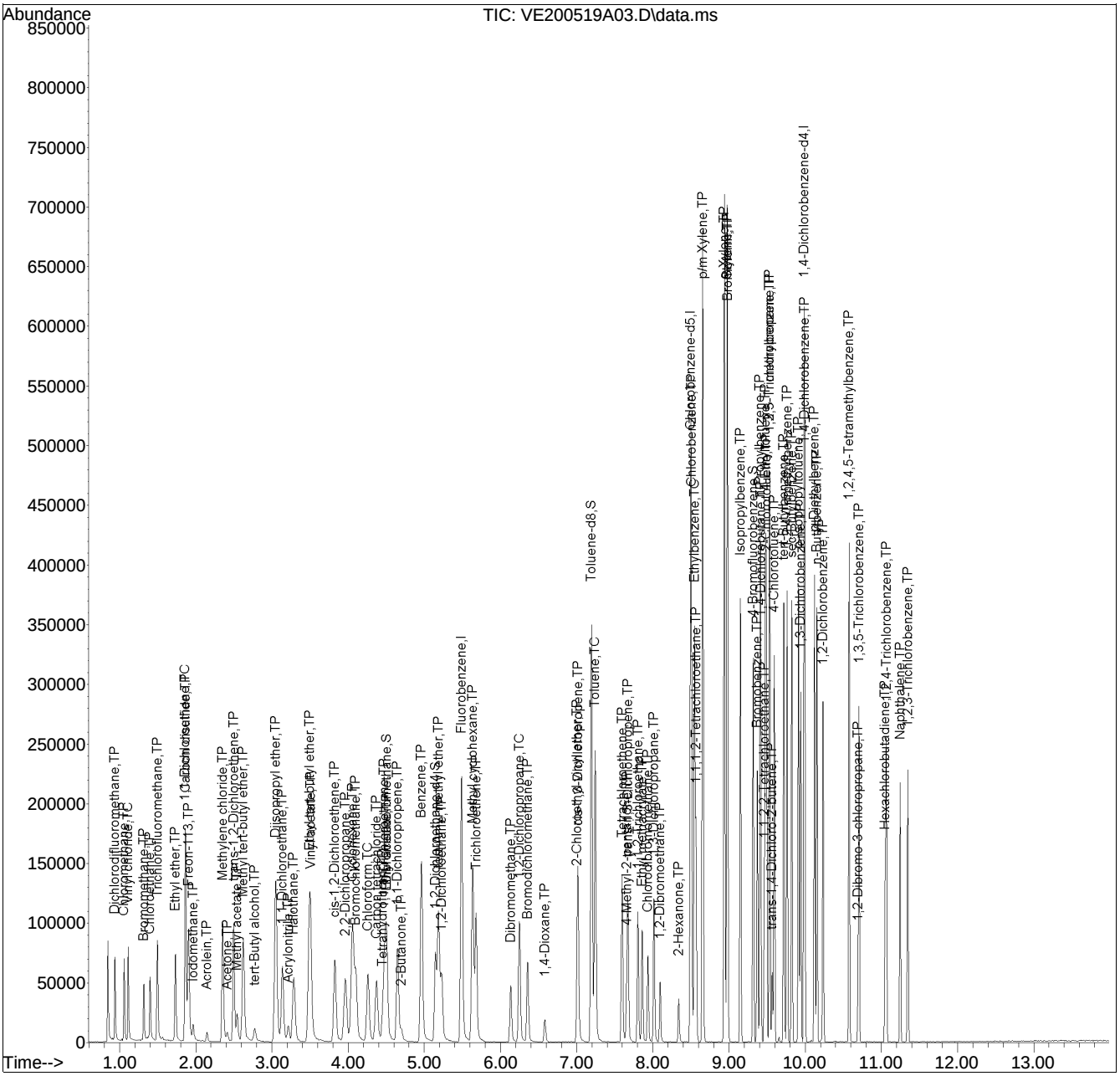
(#) = qualifier out of range (m) = manual integration (+) = signals summed

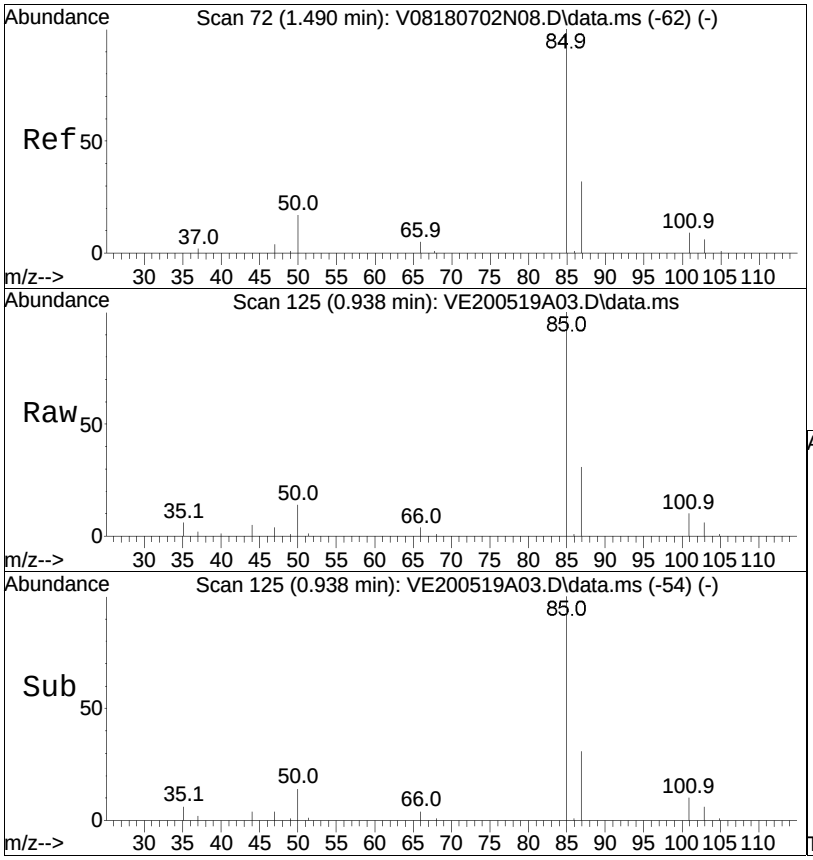
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2020\200519A\
Data File : VE200519A03.D
Acq On : 19 May 2020 9:27 am
Operator : ELAINE:PD
Sample : WG1372327-4,31,10,10
Misc : WG1372327,ICAL16716
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 19 09:53:37 2020
Quant Method : I:\VOLATILES\Elaine\2020\200519A\Elaine_200421N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 22 18:53:41 2020
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox00519A\VE200519A02.D•

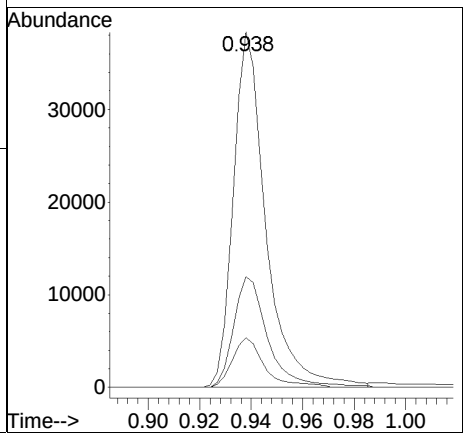


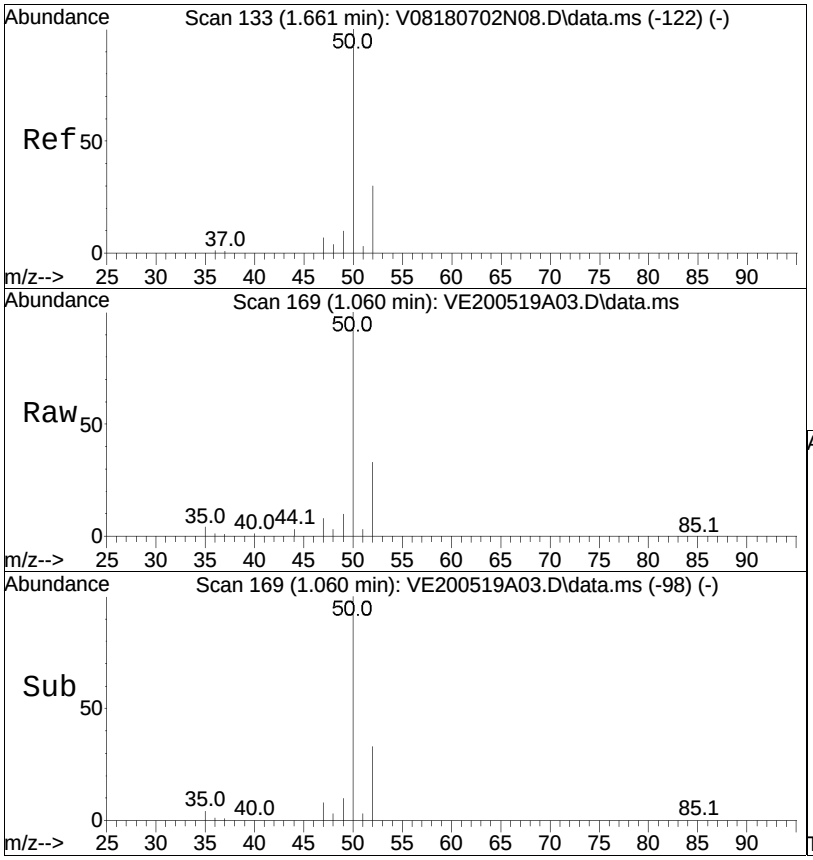


#2
Dichlorodifluoromethane
Concen: 9.91 ug/L
RT: 0.938 min Scan# 125
Delta R.T. -0.003 min
Lab File: VE200519A03.D
Acq: 19 May 2020 9:27 am

Tgt Ion: 85 Resp: 33825

Ion	Ratio	Lower	Upper
85	100		
87	32.8	21.0	43.6
50	13.8	8.9	18.5

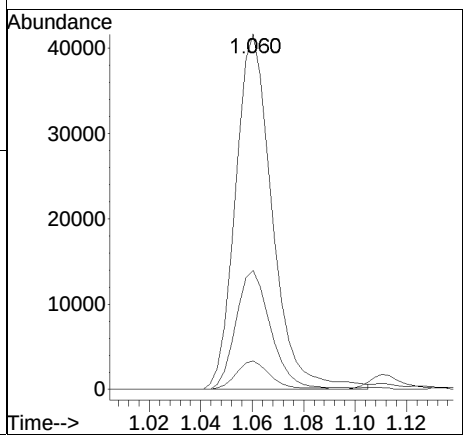


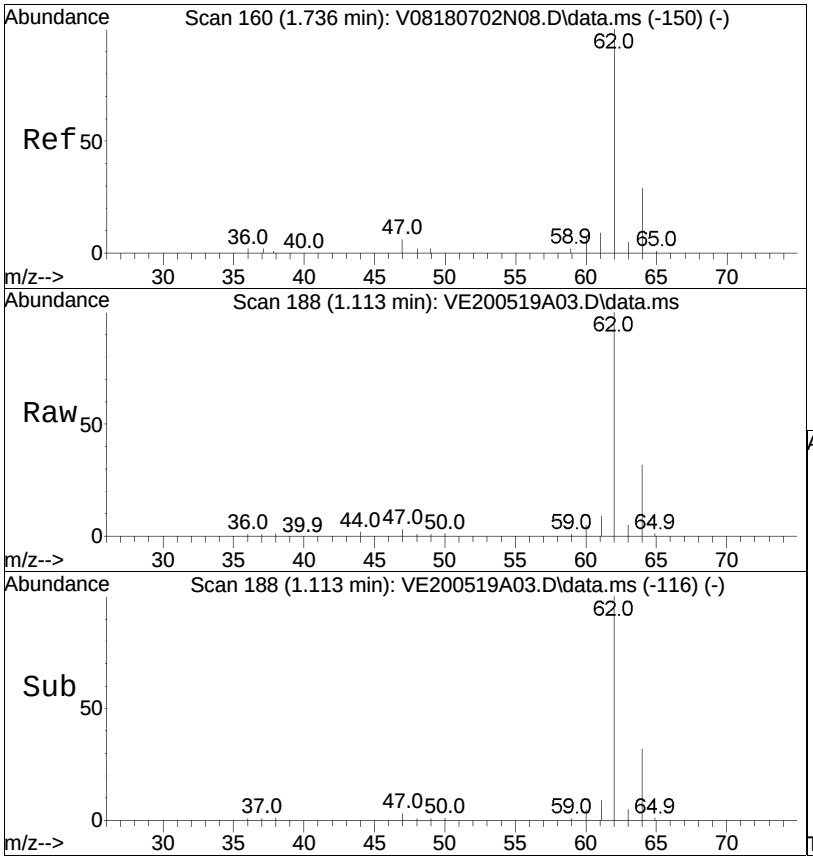


#3
Chloromethane
Concen: 7.97 ug/L
RT: 1.060 min Scan# 169
Delta R.T. -0.003 min
Lab File: VE200519A03.D
Acq: 19 May 2020 9:27 am

Tgt Ion: 50 Resp: 41354

Ion	Ratio	Lower	Upper
50	100		
52	32.1	12.9	52.9
47	7.6	0.0	28.3

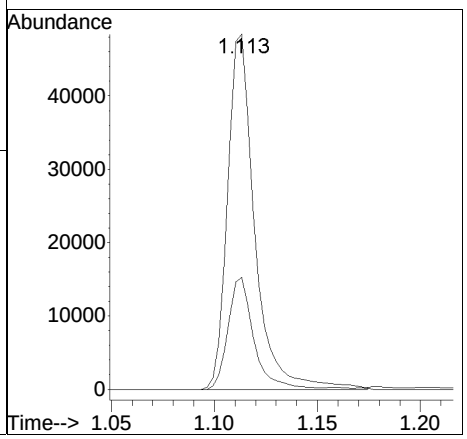


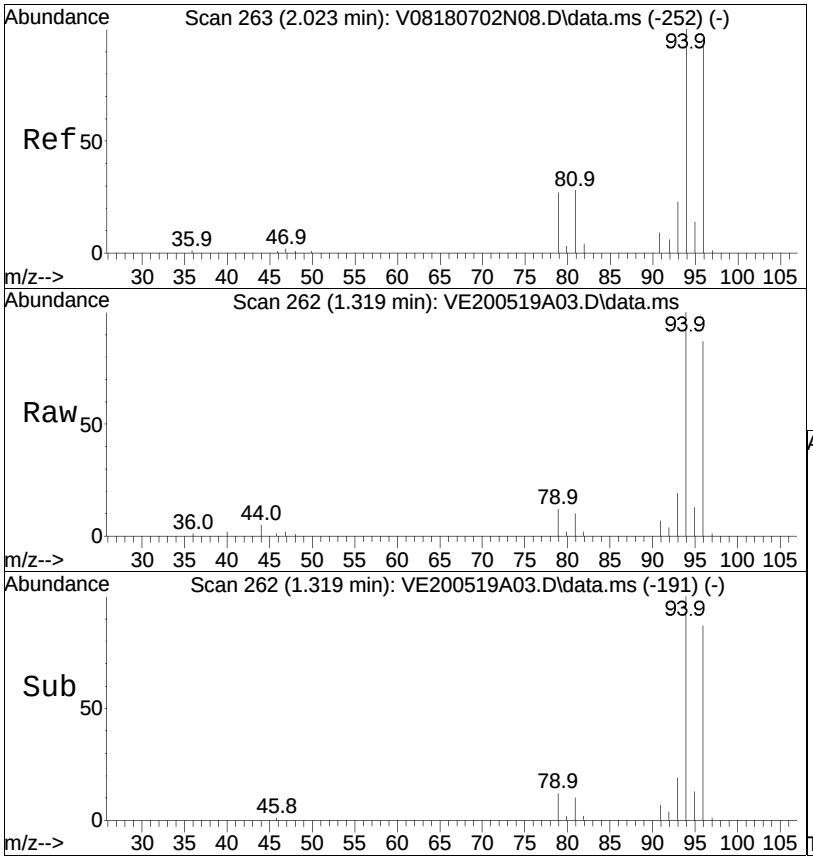


#4
Vinyl chloride
Concen: 9.35 ug/L
RT: 1.113 min Scan# 188
Delta R.T. 0.000 min
Lab File: VE200519A03.D
Acq: 19 May 2020 9:27 am

Tgt Ion: 62 Resp: 44664

Ion	Ratio	Lower	Upper
62	100		
64	29.8	9.1	49.1

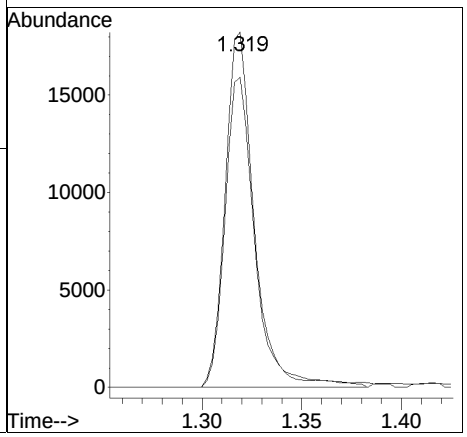


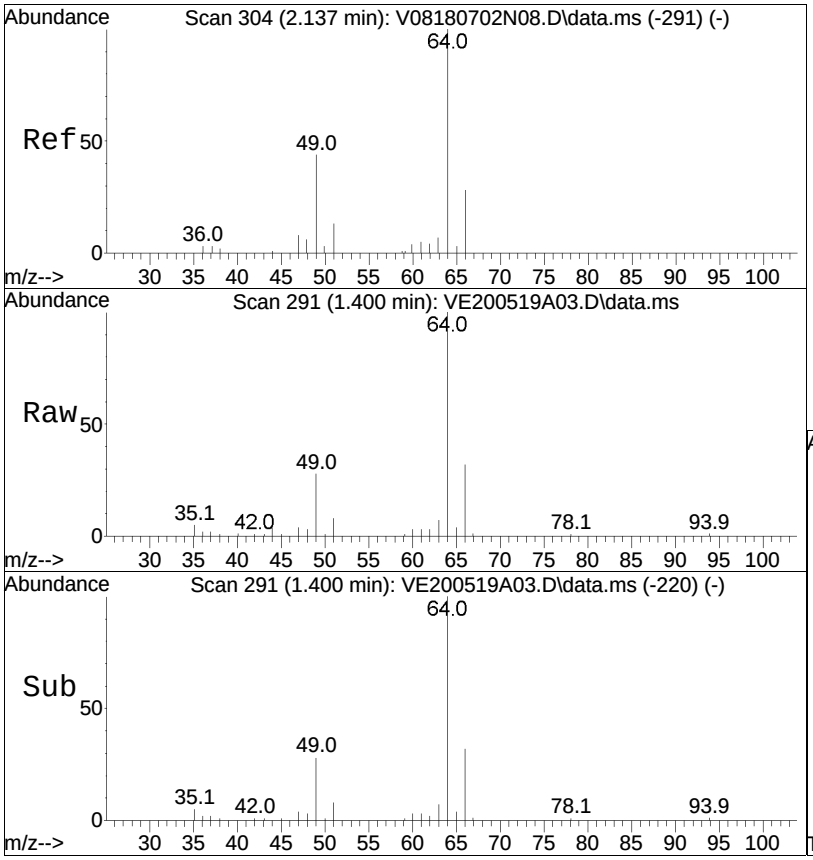


#5
Bromomethane
Concen: 7.26 ug/L
RT: 1.319 min Scan# 262
Delta R.T. -0.003 min
Lab File: VE200519A03.D
Acq: 19 May 2020 9:27 am

Tgt Ion: 94 Resp: 18669

Ion	Ratio	Lower	Upper
94	100		
96	86.6	75.6	115.6

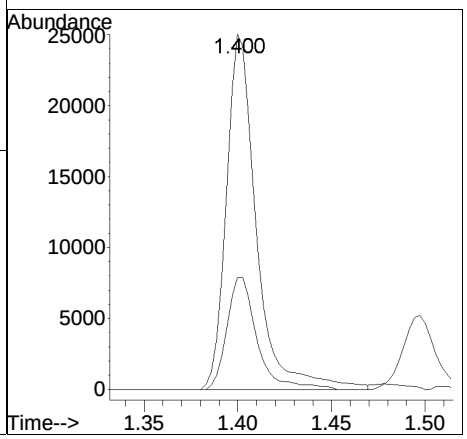


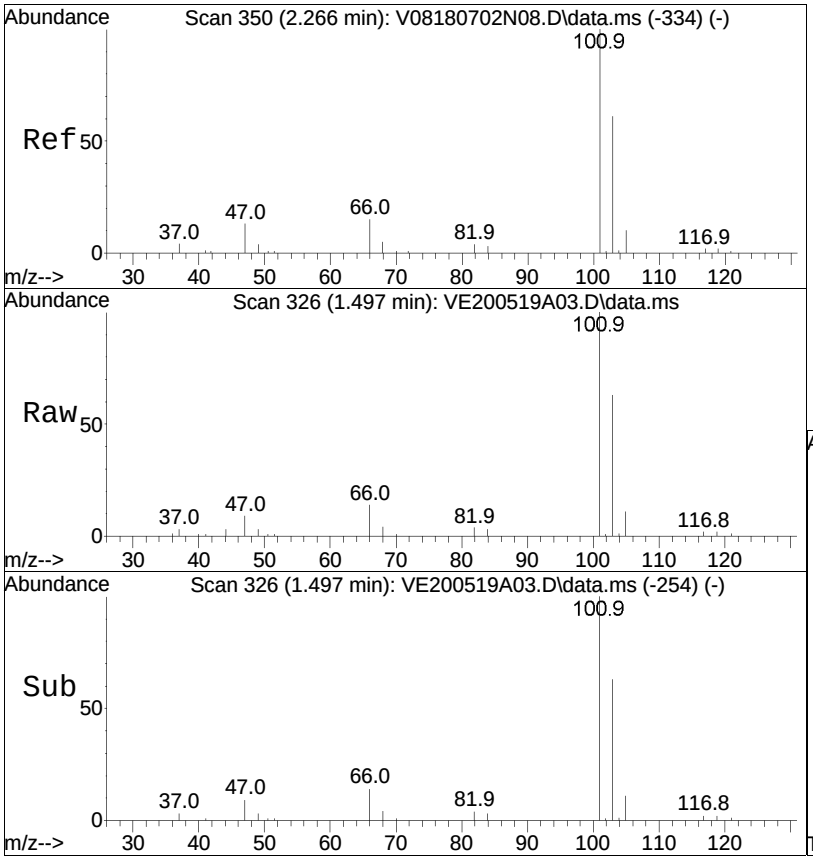


#6
Chloroethane
Concen: 10.18 ug/L
RT: 1.400 min Scan# 291
Delta R.T. -0.002 min
Lab File: VE200519A03.D
Acq: 19 May 2020 9:27 am

Tgt Ion: 64 Resp: 28020

Ion	Ratio	Lower	Upper
64	100		
66	31.6	9.8	49.8

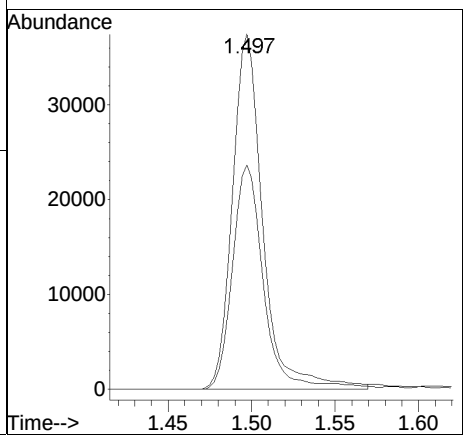


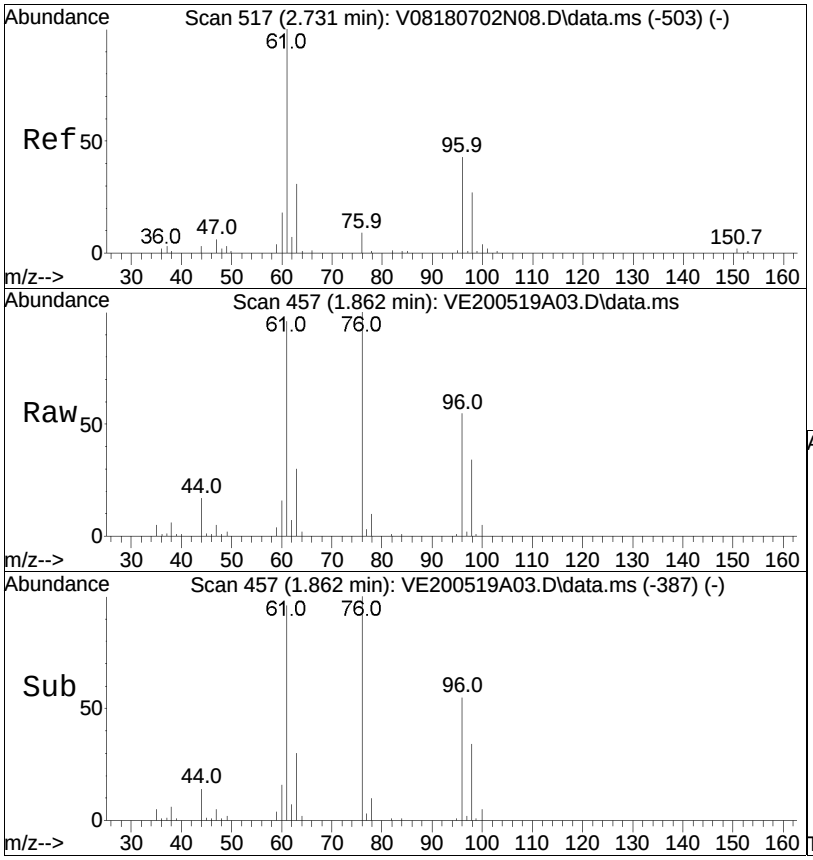


#7
Trichlorofluoromethane
Concen: 9.17 ug/L
RT: 1.497 min Scan# 326
Delta R.T. 0.000 min
Lab File: VE200519A03.D
Acq: 19 May 2020 9:27 am

Tgt Ion:101 Resp: 47666

Ion	Ratio	Lower	Upper
101	100		
103	64.7	53.8	80.6

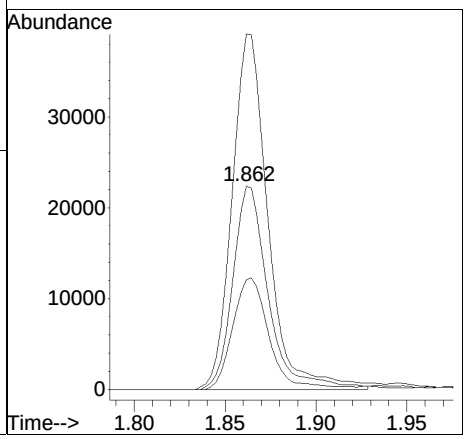


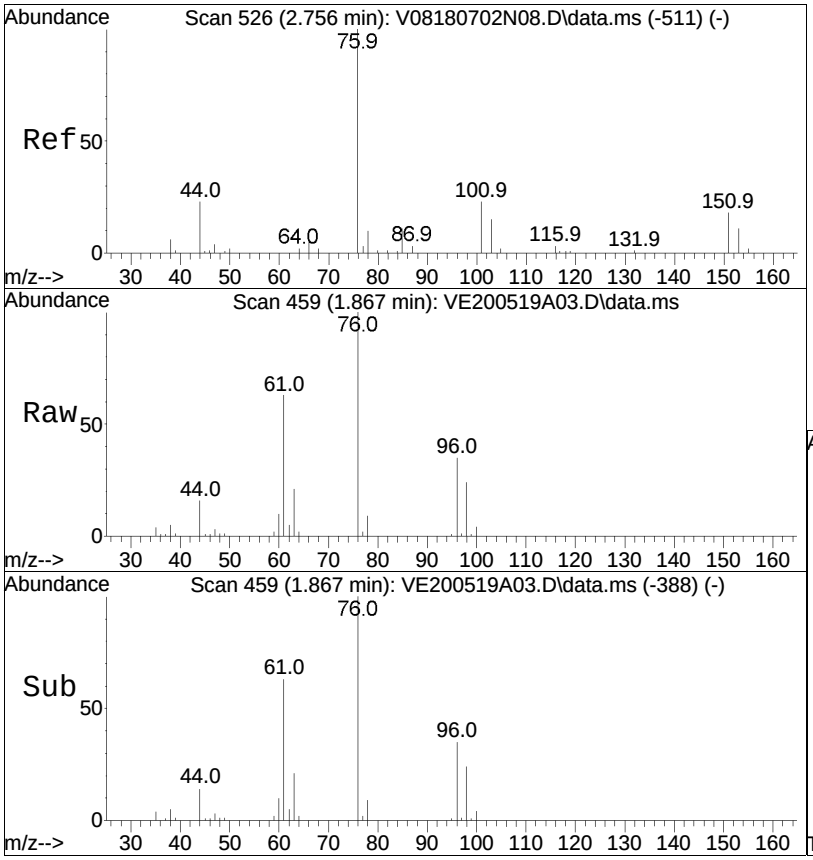


#10
1,1-Dichloroethene
Concen: 8.88 ug/L
RT: 1.862 min Scan# 457
Delta R.T. -0.005 min
Lab File: VE200519A03.D
Acq: 19 May 2020 9:27 am

Tgt Ion: 96 Resp: 30505

Ion	Ratio	Lower	Upper
96	100		
61	177.4	186.1	279.1#
63	55.3	57.6	86.4#

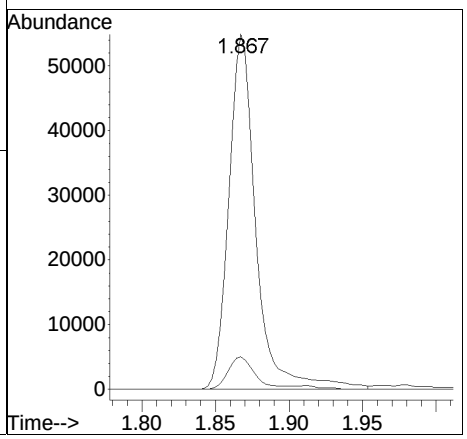


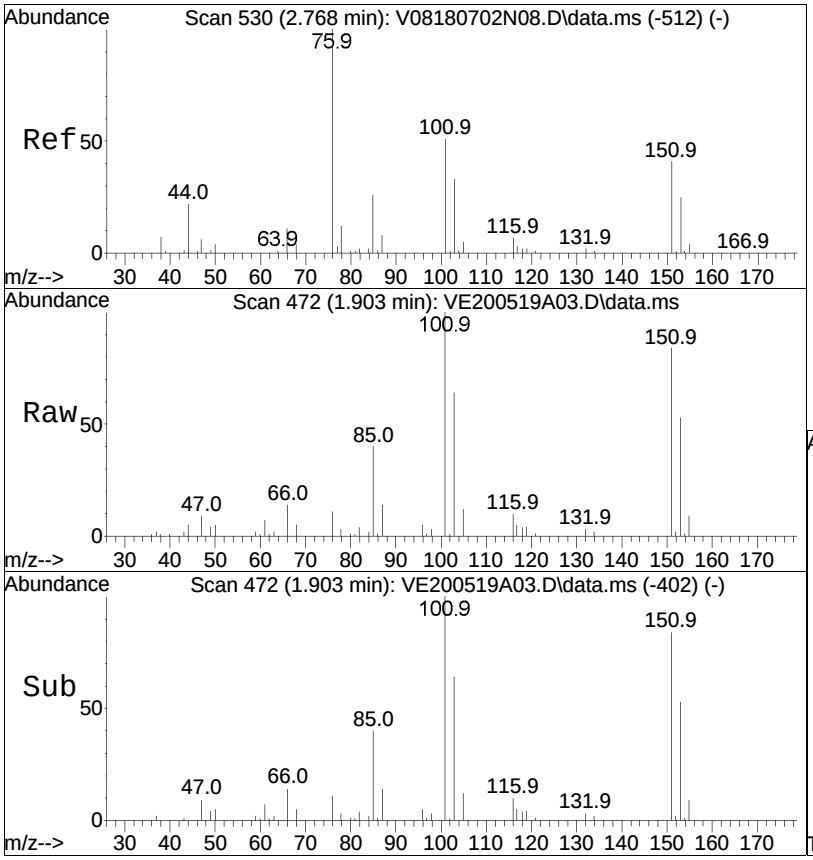


#11
Carbon disulfide
Concen: 9.09 ug/L
RT: 1.867 min Scan# 459
Delta R.T. -0.003 min
Lab File: VE200519A03.D
Acq: 19 May 2020 9:27 am

Tgt Ion: 76 Resp: 70925

Ion	Ratio	Lower	Upper
76	100		
78	9.3	5.7	11.7

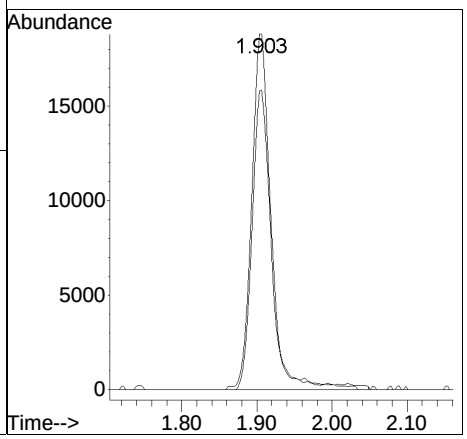


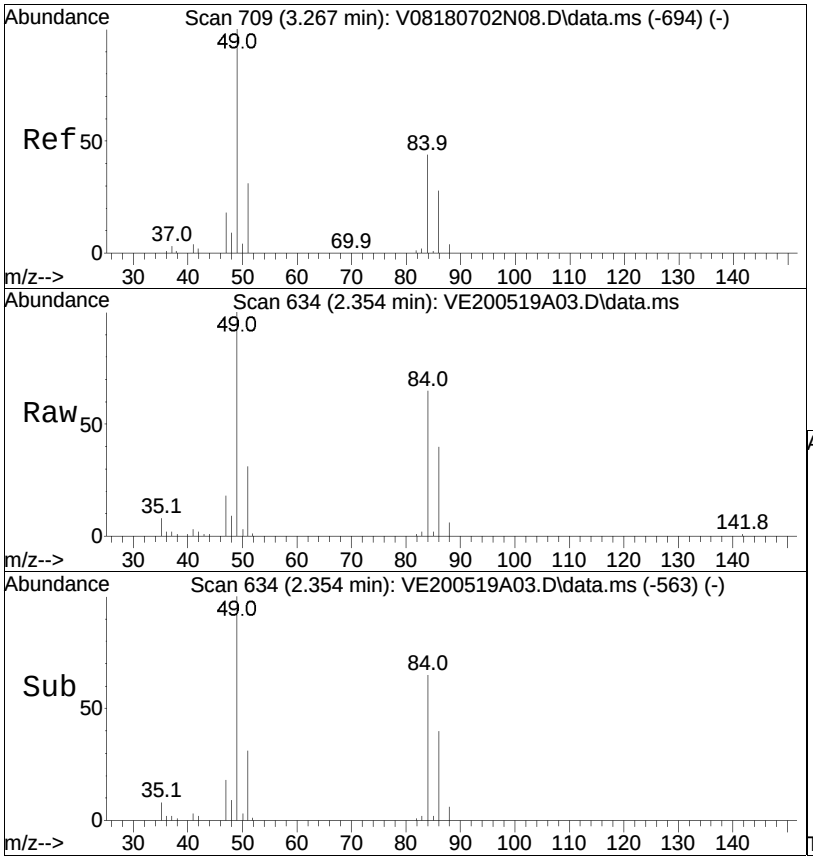


#12
Freon-113
Concen: 9.73 ug/L M1
RT: 1.903 min Scan# 472
Delta R.T. -0.006 min
Lab File: VE200519A03.D
Acq: 19 May 2020 9:27 am

Tgt Ion:101 Resp: 34121

Ion	Ratio	Lower	Upper
101	100		
151	79.9	59.8	89.8

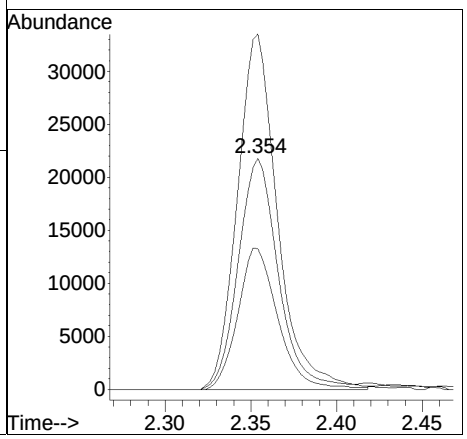


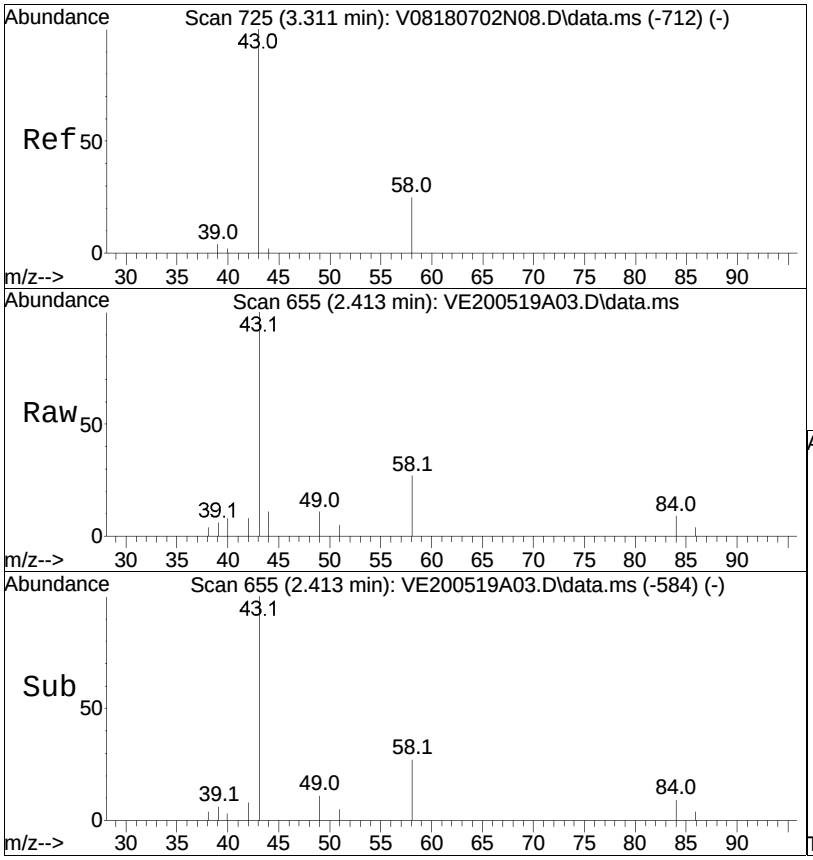


#15
Methylene chloride
Concen: 9.09 ug/L
RT: 2.354 min Scan# 634
Delta R.T. -0.003 min
Lab File: VE200519A03.D
Acq: 19 May 2020 9:27 am

Tgt Ion: 84 Resp: 35655

Ion	Ratio	Lower	Upper
84	100		
86	60.5	40.4	83.8
49	152.2	120.0	249.2

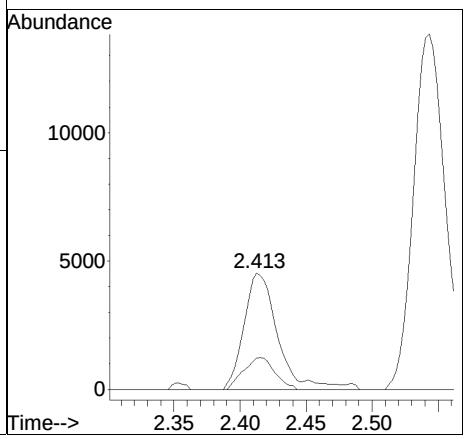


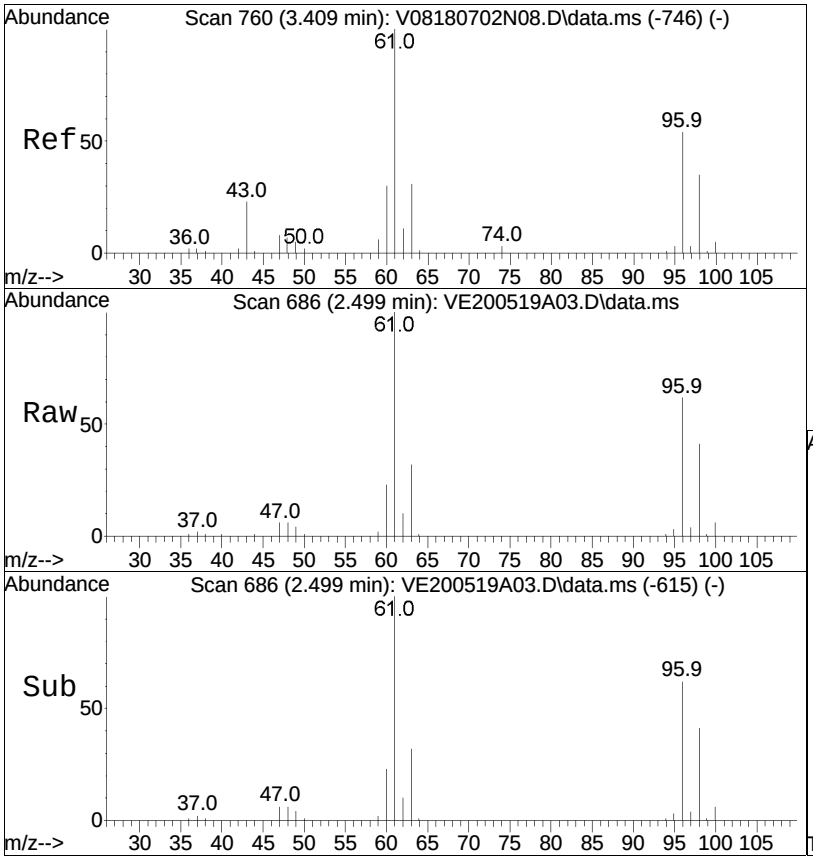


#17
Acetone
Concen: 8.55 ug/L M1
RT: 2.413 min Scan# 655
Delta R.T. -0.002 min
Lab File: VE200519A03.D
Acq: 19 May 2020 9:27 am

Tgt Ion: 43 Resp: 8112

Ion	Ratio	Lower	Upper
43	100		
58	25.1	24.2	36.4

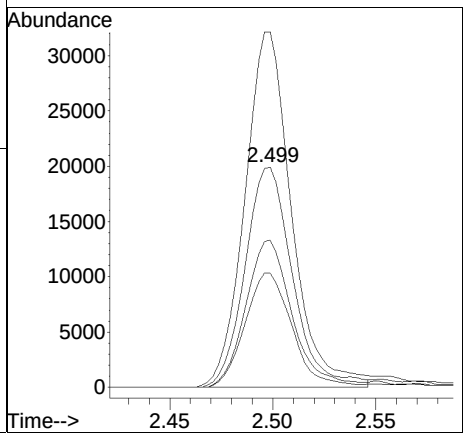


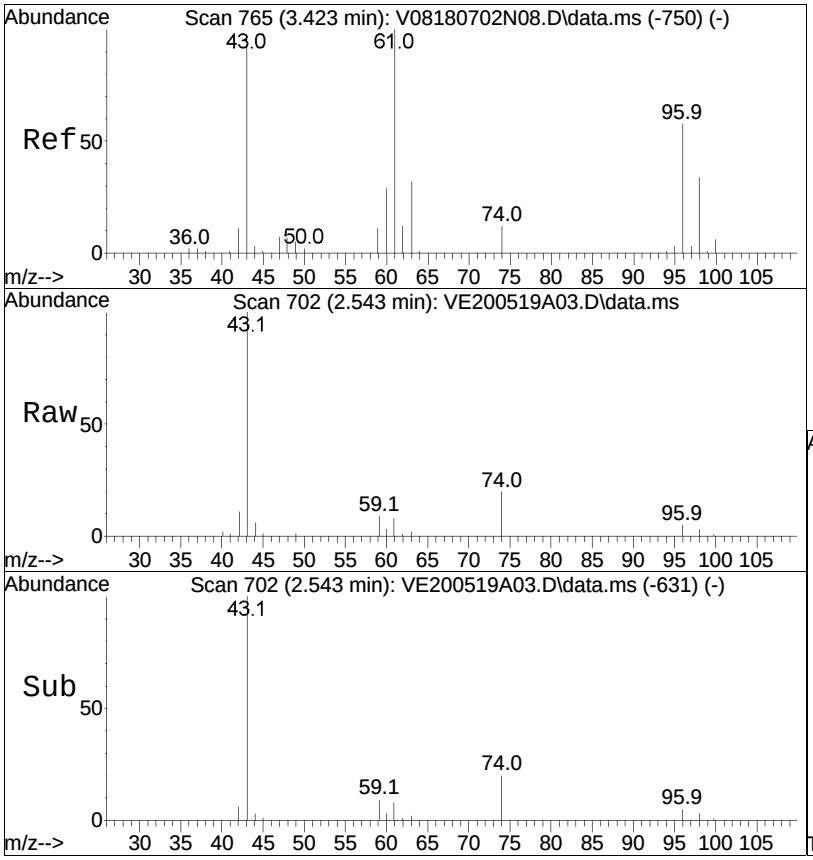


#18
trans-1,2-Dichloroethene
Concen: 9.34 ug/L
RT: 2.499 min Scan# 686
Delta R.T. -0.002 min
Lab File: VE200519A03.D
Acq: 19 May 2020 9:27 am

Tgt Ion: 96 Resp: 32112

Ion	Ratio	Lower	Upper
96	100		
61	163.7	124.0	257.6
98	65.2	41.2	85.6
63	51.3	38.4	79.7

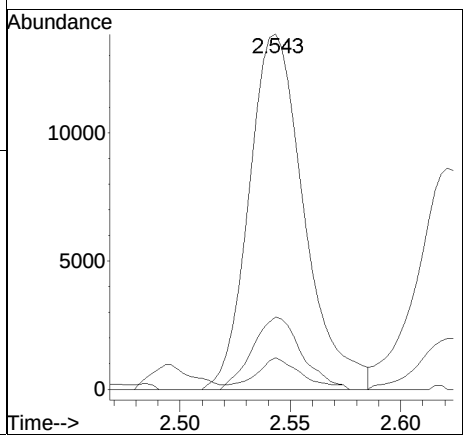


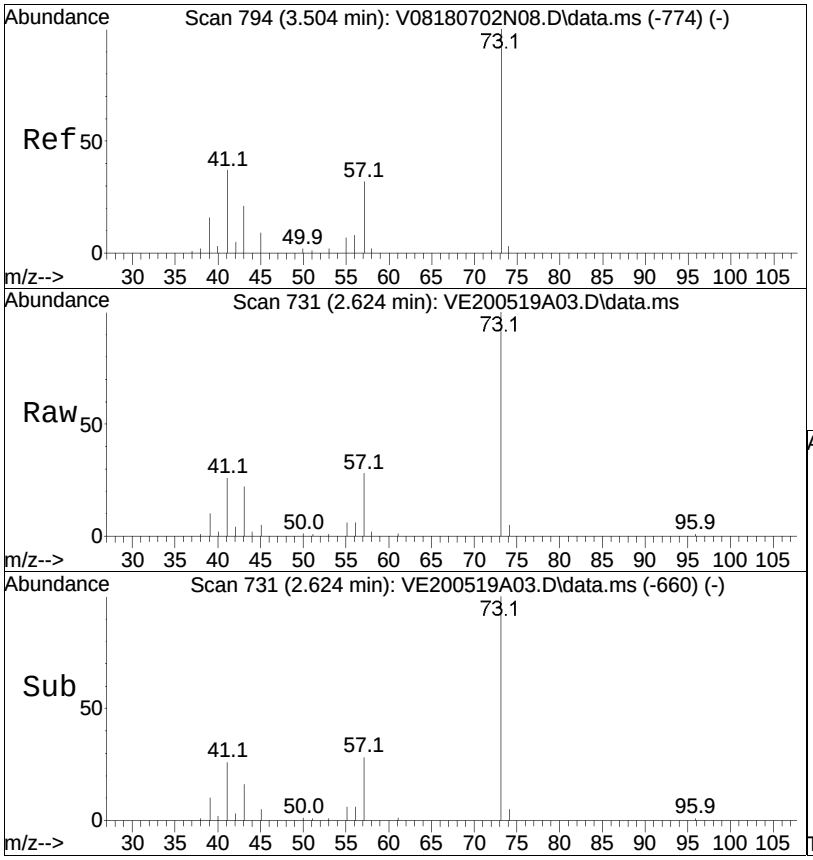


#19
Methyl acetate
Concen: 8.45 ug/L
RT: 2.543 min Scan# 702
Delta R.T. -0.003 min
Lab File: VE200519A03.D
Acq: 19 May 2020 9:27 am

Tgt Ion: 43 Resp: 24062

Ion	Ratio	Lower	Upper
43	100		
74	18.3	14.2	21.4
59	7.3	5.0	7.6

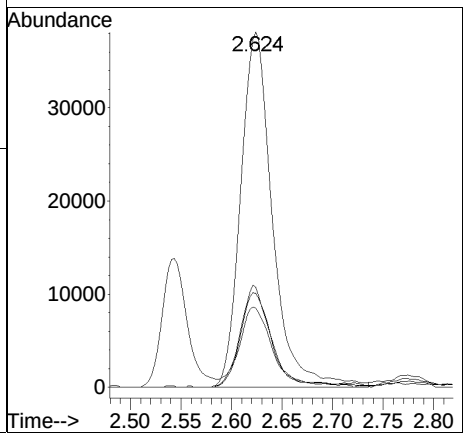


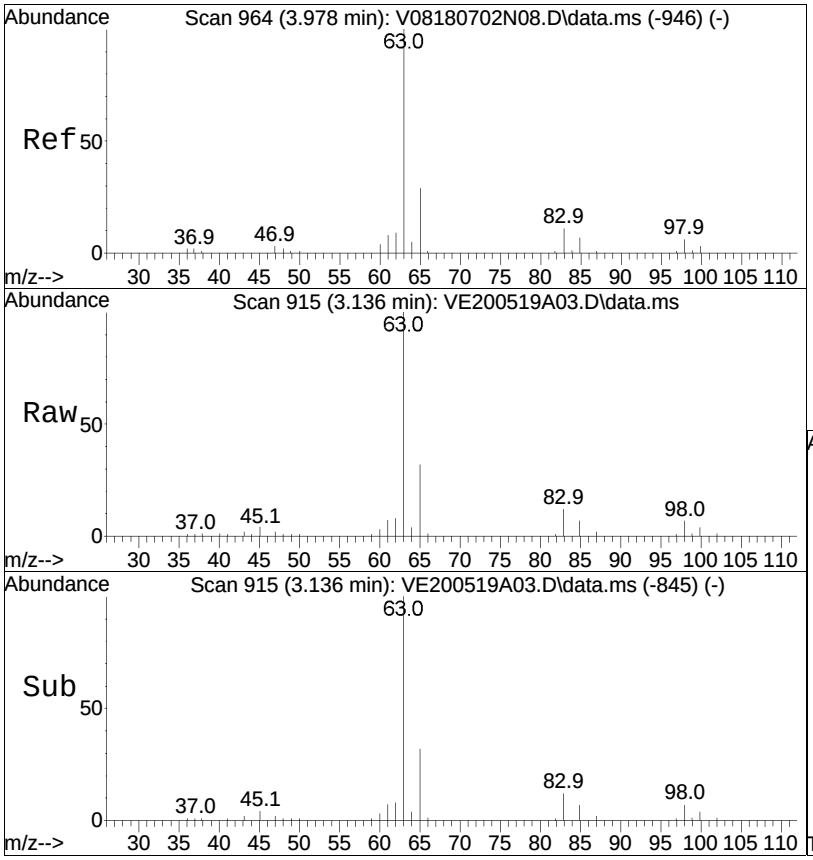


#20
Methyl tert-butyl ether
Concen: 7.89 ug/L M1
RT: 2.624 min Scan# 731
Delta R.T. -0.003 min
Lab File: VE200519A03.D
Acq: 19 May 2020 9:27 am

Tgt Ion: 73 Resp: 83839

Ion	Ratio	Lower	Upper
73	100		
57	27.2	17.5	36.3
43	20.3	15.3	31.9
41	25.9	15.3	31.7

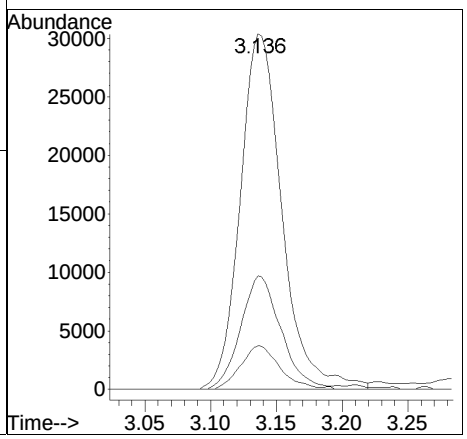


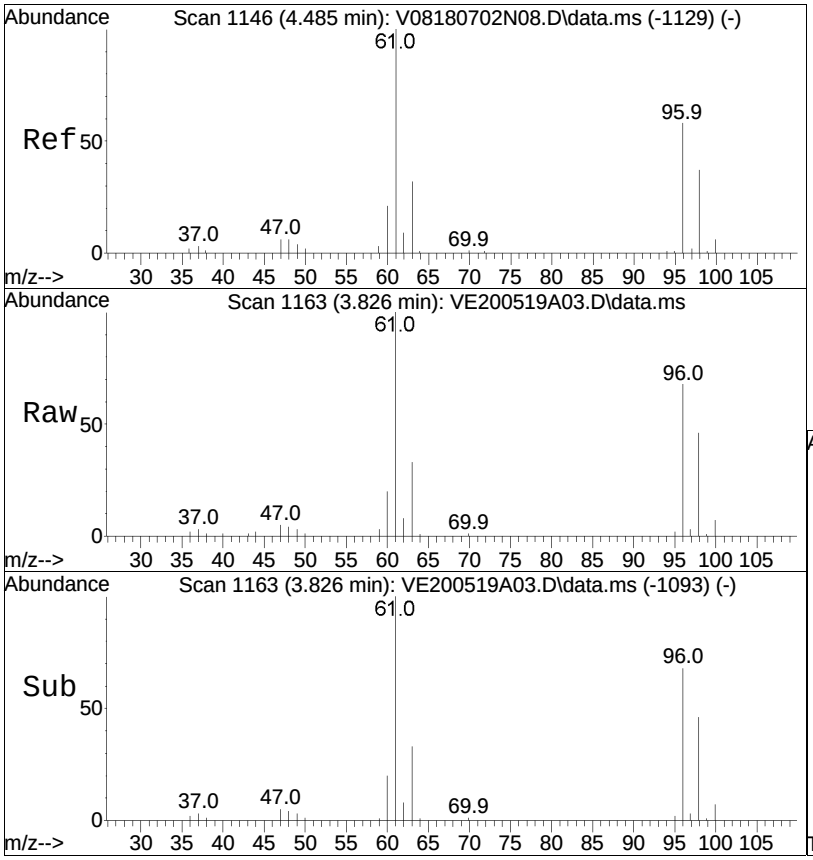


#23
1,1-Dichloroethane
Concen: 8.90 ug/L
RT: 3.136 min Scan# 915
Delta R.T. -0.005 min
Lab File: VE200519A03.D
Acq: 19 May 2020 9:27 am

Tgt Ion: 63 Resp: 67272

Ion	Ratio	Lower	Upper
63	100		
65	30.8	11.0	51.0
83	11.5	0.0	31.8

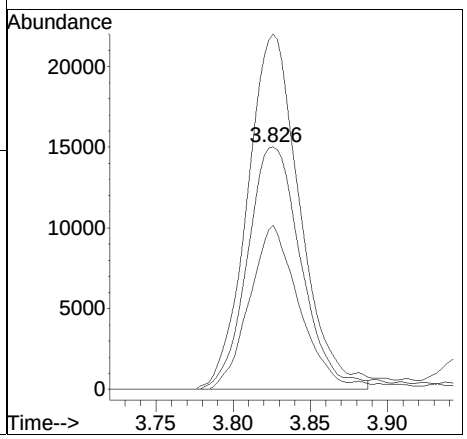


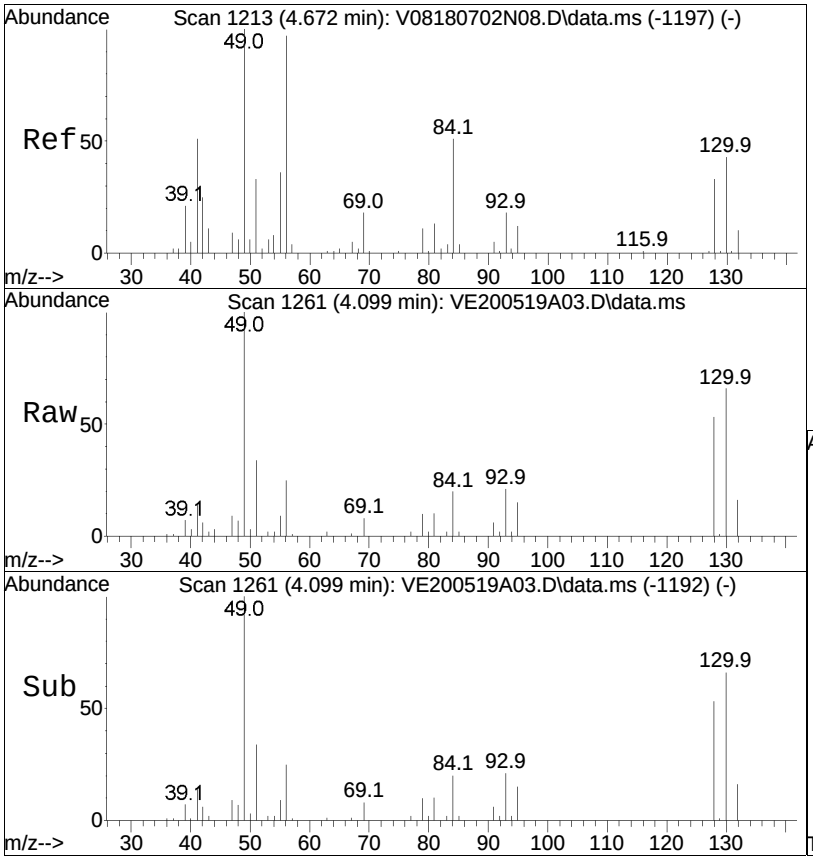


#28
cis-1,2-Dichloroethene
Concen: 8.40 ug/L
RT: 3.826 min Scan# 1163
Delta R.T. -0.005 min
Lab File: VE200519A03.D
Acq: 19 May 2020 9:27 am

Tgt Ion: 96 Resp: 36374

Ion	Ratio	Lower	Upper
96	100		
61	141.8	149.4	224.2#
98	62.0	53.4	80.2

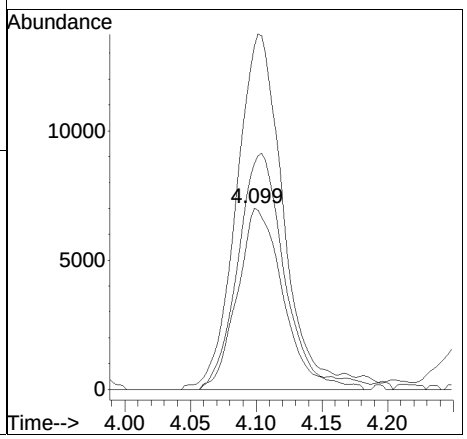


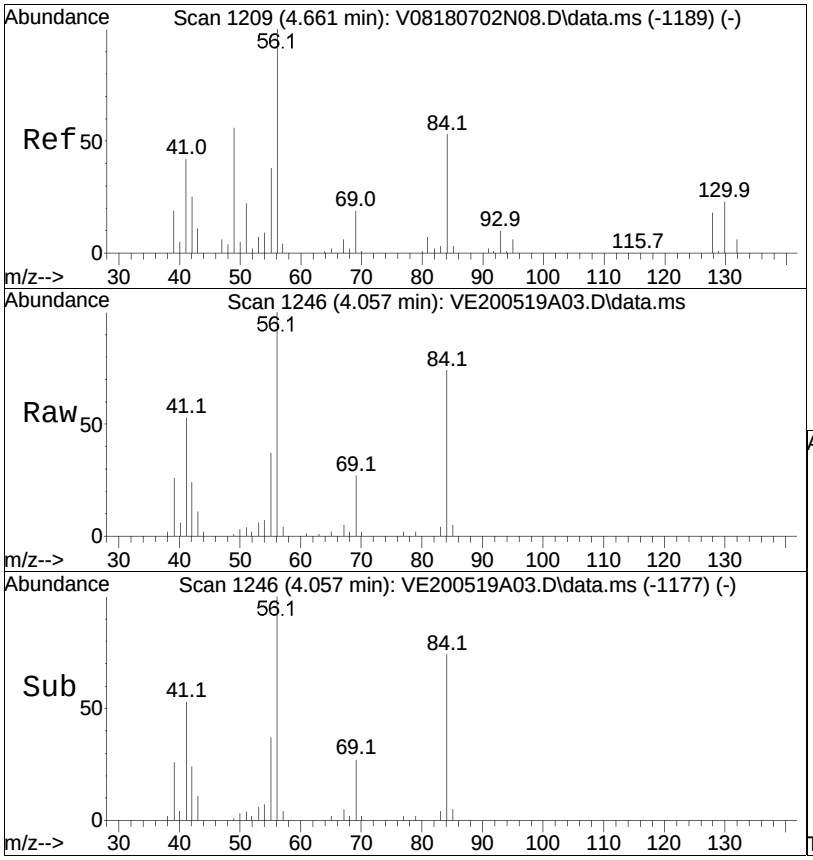


#30
Bromochloromethane
Concen: 9.06 ug/L
RT: 4.099 min Scan# 1261
Delta R.T. -0.008 min
Lab File: VE200519A03.D
Acq: 19 May 2020 9:27 am

Tgt Ion:128 Resp: 17107

Ion	Ratio	Lower	Upper
128	100		
49	196.4	223.0	334.4#
130	129.6	111.4	167.0

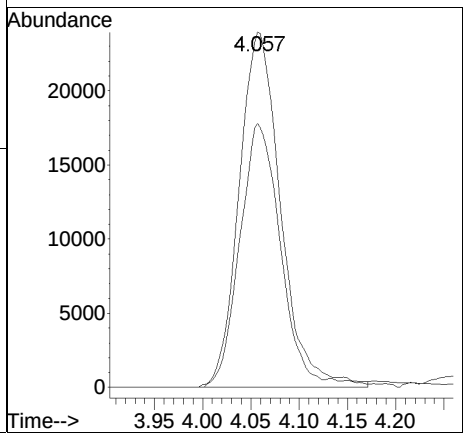


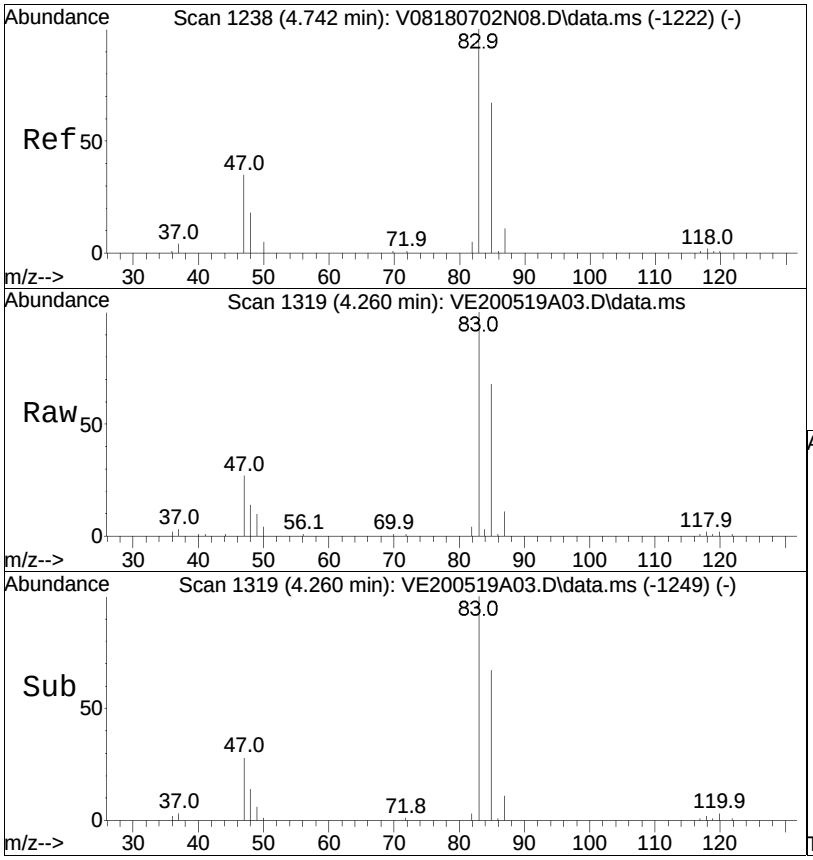


#31
Cyclohexane
Concen: 8.97 ug/L
RT: 4.057 min Scan# 1246
Delta R.T. -0.008 min
Lab File: VE200519A03.D
Acq: 19 May 2020 9:27 am

Tgt Ion: 56 Resp: 71914

Ion	Ratio	Lower	Upper
56	100		
84	71.8	38.4	79.8

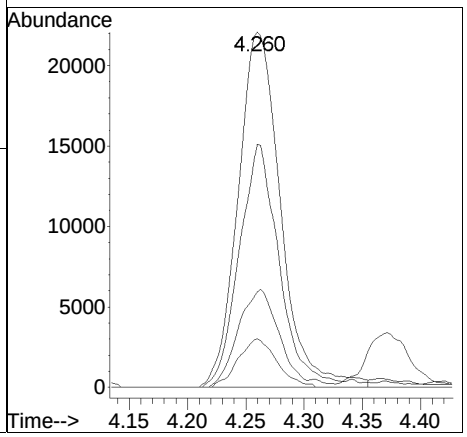


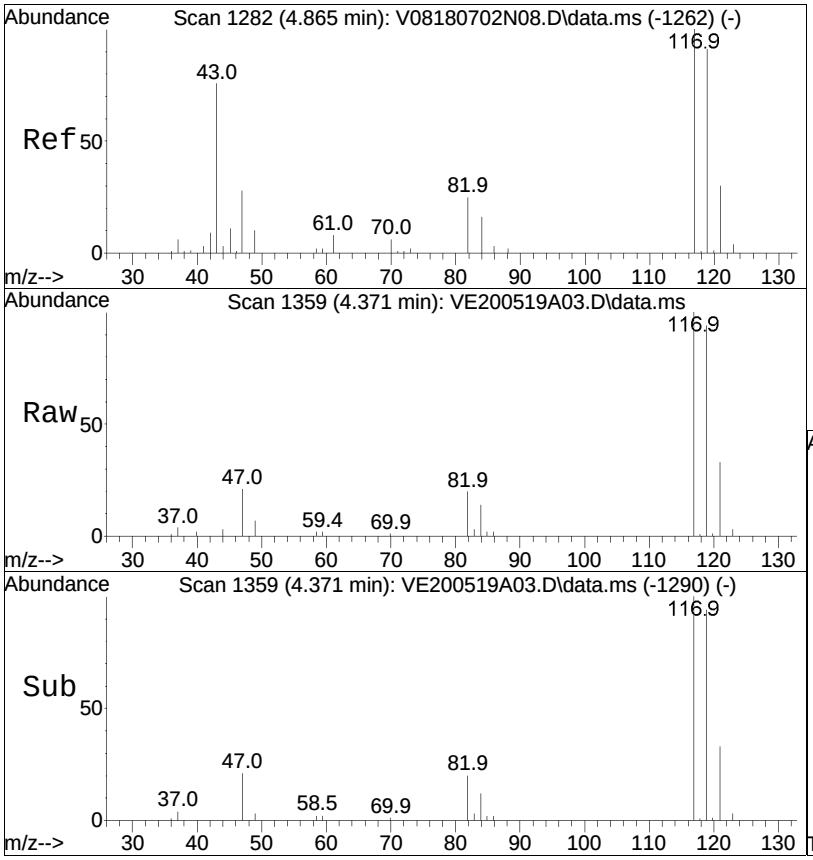


#32
Chloroform
Concen: 8.43 ug/L
RT: 4.260 min Scan# 1319
Delta R.T. -0.005 min
Lab File: VE200519A03.D
Acq: 19 May 2020 9:27 am

Tgt Ion: 83 Resp: 56340

Ion	Ratio	Lower	Upper
83	100		
85	64.2	41.5	86.1
47	26.3	19.0	39.4
48	12.5	9.9	20.5

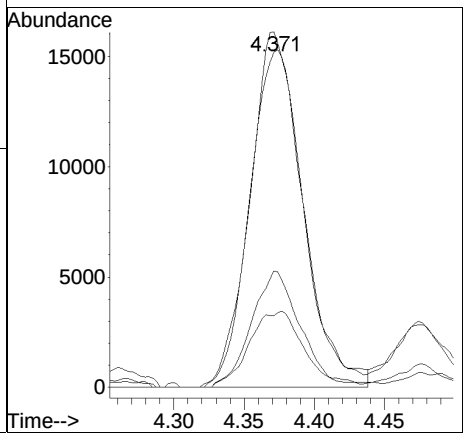


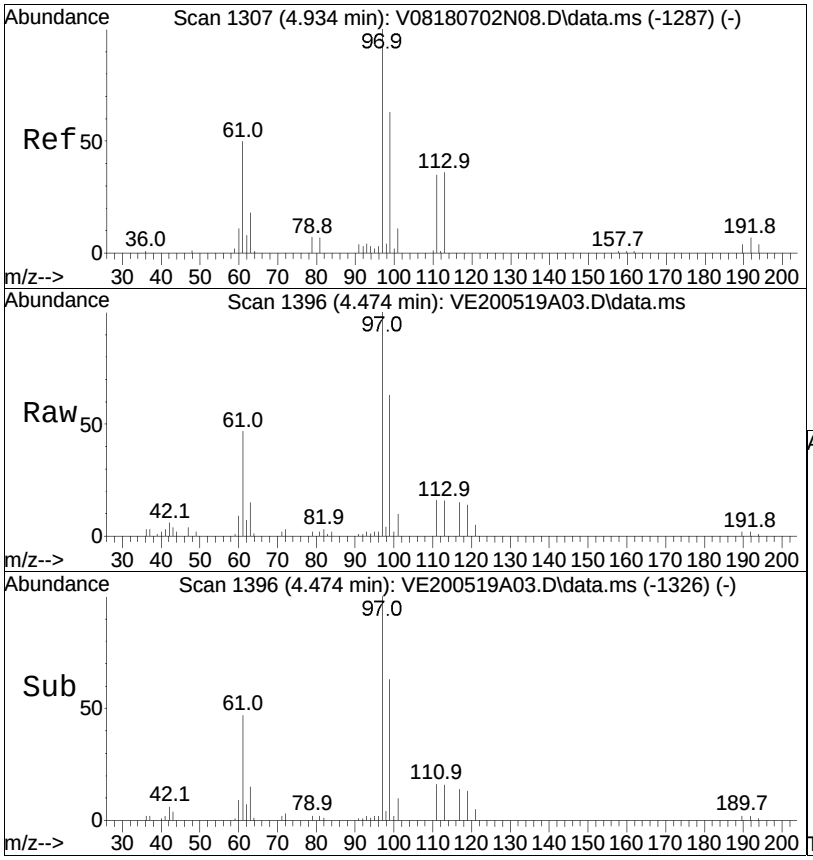


#34
Carbon tetrachloride
Concen: 8.24 ug/L
RT: 4.371 min Scan# 1359
Delta R.T. -0.008 min
Lab File: VE200519A03.D
Acq: 19 May 2020 9:27 am

Tgt Ion:117 Resp: 42186

Ion	Ratio	Lower	Upper
117	100		
119	96.5	62.4	129.6
121	30.5	19.5	40.5
82	22.0	17.0	35.4

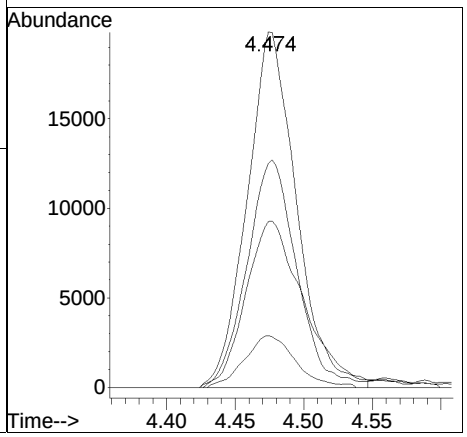


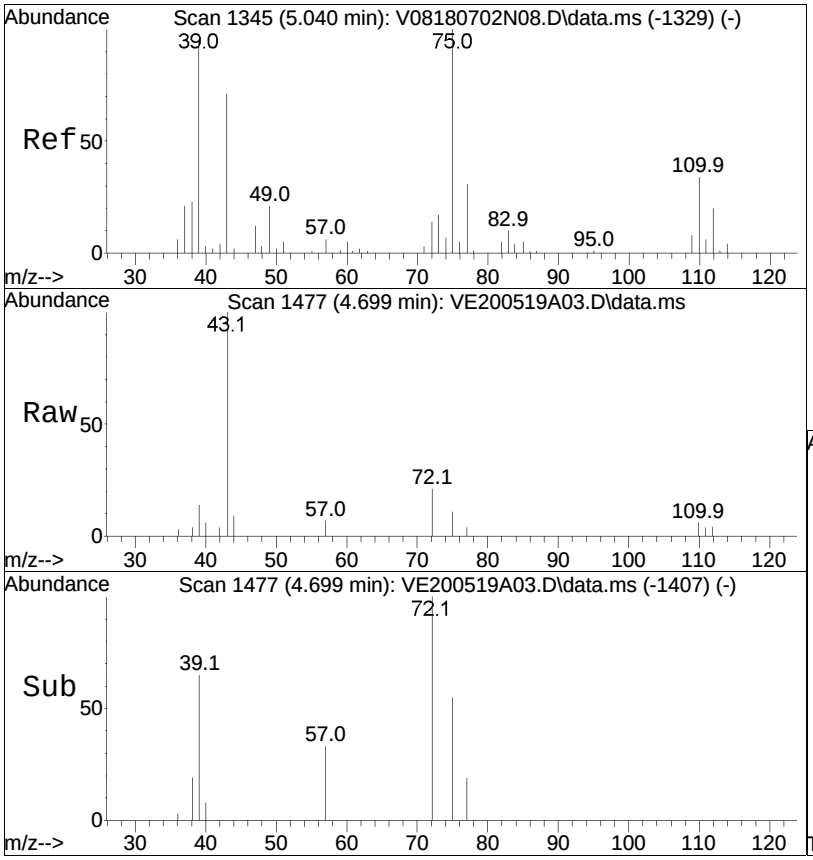


#37
1,1,1-Trichloroethane
Concen: 8.29 ug/L
RT: 4.474 min Scan# 1396
Delta R.T. -0.006 min
Lab File: VE200519A03.D
Acq: 19 May 2020 9:27 am

Tgt Ion: 97 Resp: 49493

Ion	Ratio	Lower	Upper
97	100		
99	64.6	40.7	84.5
61	55.2	35.4	73.4
63	14.9	5.0	10.4#

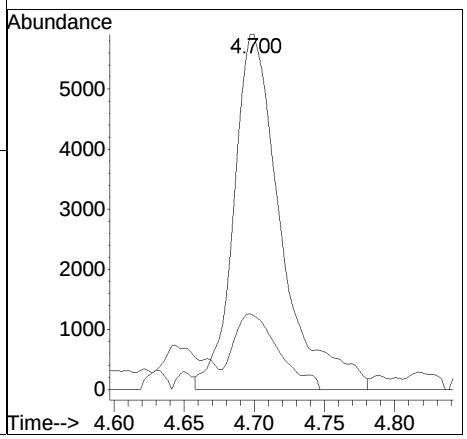


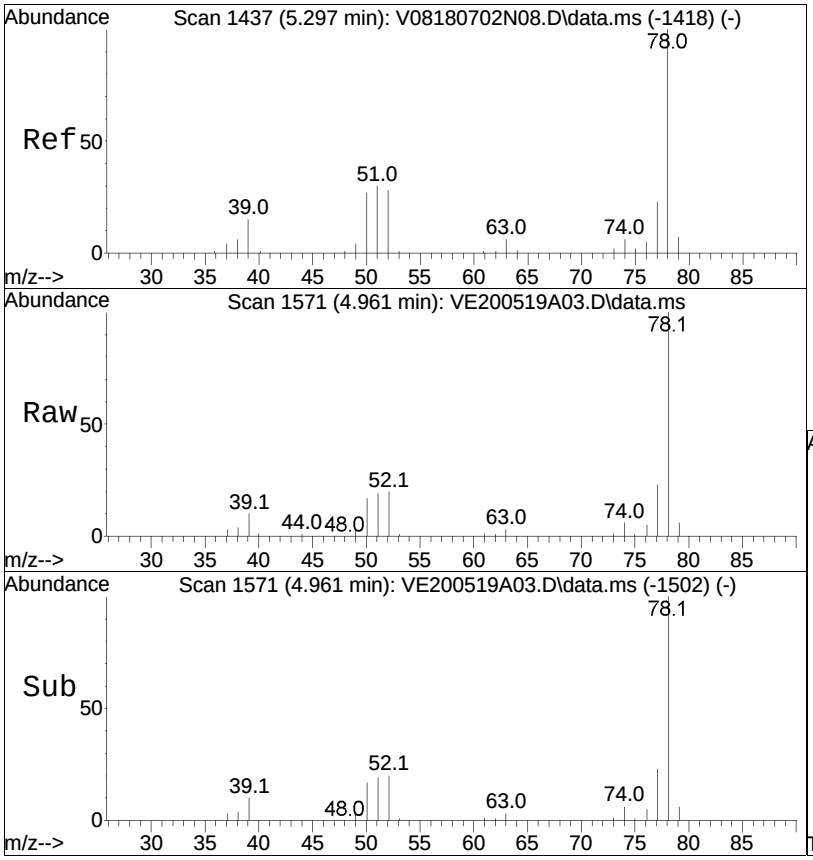


#39
2-Butanone
Concen: 8.83 ug/L M1
RT: 4.699 min Scan# 1477
Delta R.T. -0.006 min
Lab File: VE200519A03.D
Acq: 19 May 2020 9:27 am

Tgt Ion: 43 Resp: 13849

Ion	Ratio	Lower	Upper
43	100		
72	20.2	10.9	16.3#

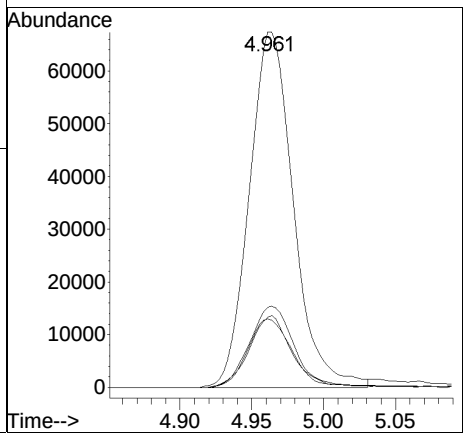


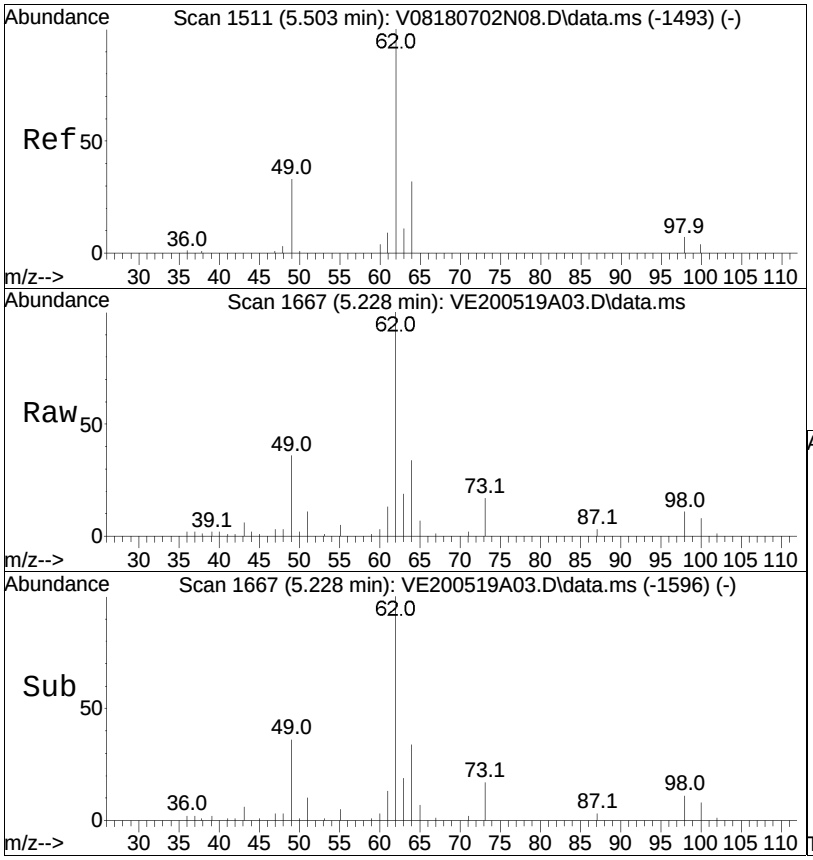


#41
Benzene
Concen: 8.76 ug/L
RT: 4.961 min Scan# 1571
Delta R.T. -0.008 min
Lab File: VE200519A03.D
Acq: 19 May 2020 9:27 am

Tgt Ion: 78 Resp: 144315

Ion	Ratio	Lower	Upper
78	100		
77	23.0	15.7	32.7
51	19.5	16.0	33.2
52	19.6	15.3	31.9

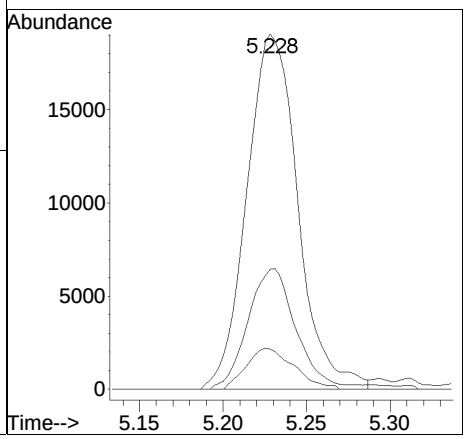


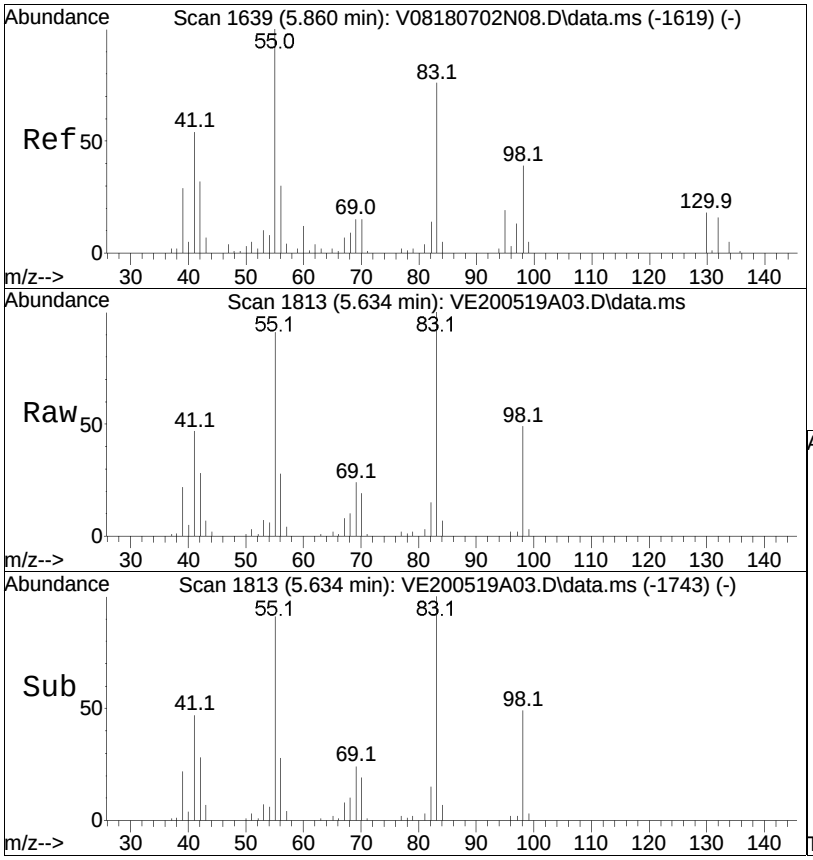


#44
1,2-Dichloroethane
Concen: 7.82 ug/L
RT: 5.228 min Scan# 1667
Delta R.T. -0.003 min
Lab File: VE200519A03.D
Acq: 19 May 2020 9:27 am

Tgt Ion: 62 Resp: 40576

Ion	Ratio	Lower	Upper
62	100		
64	32.2	11.2	51.2
98	10.9	0.0	26.1

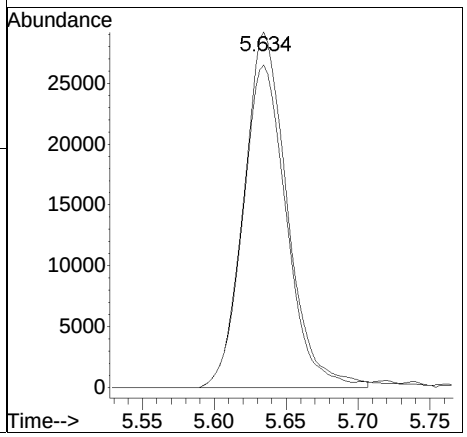


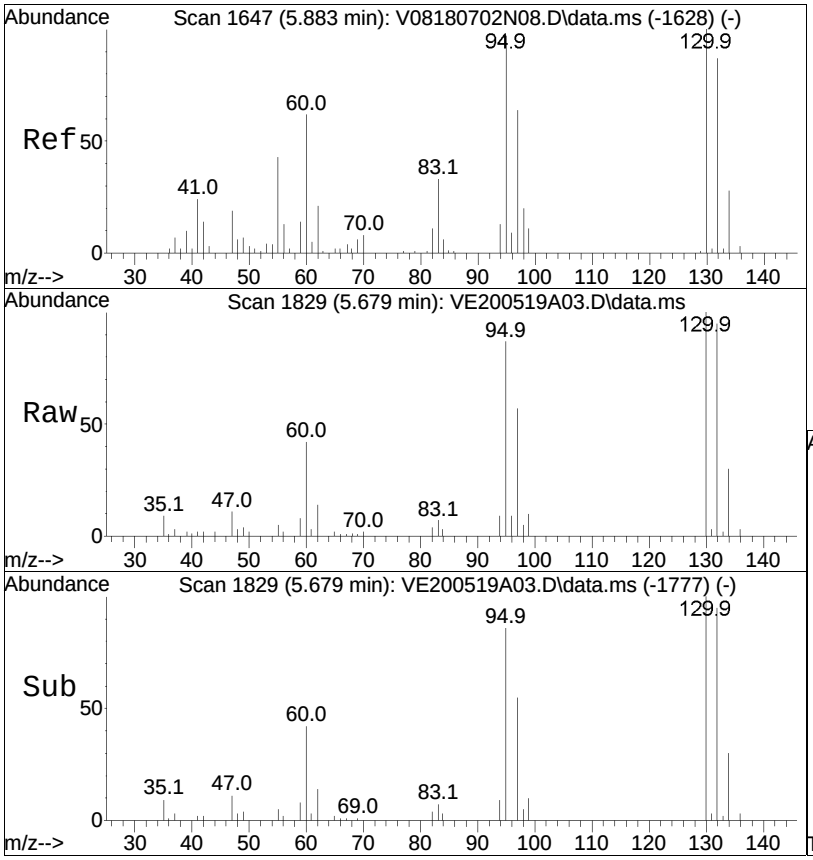


#47
Methyl cyclohexane
Concen: 8.94 ug/L
RT: 5.634 min Scan# 1813
Delta R.T. -0.006 min
Lab File: VE200519A03.D
Acq: 19 May 2020 9:27 am

Tgt Ion: 83 Resp: 61437

Ion	Ratio	Lower	Upper
83	100		
55	90.7	88.3	132.5

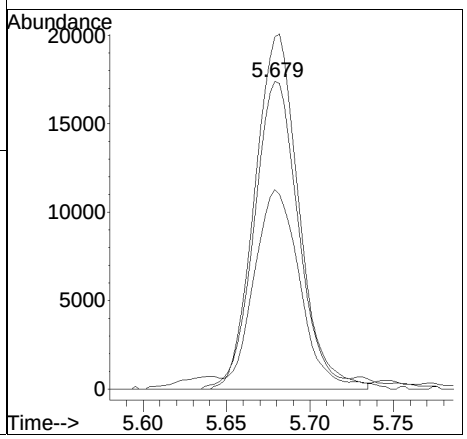


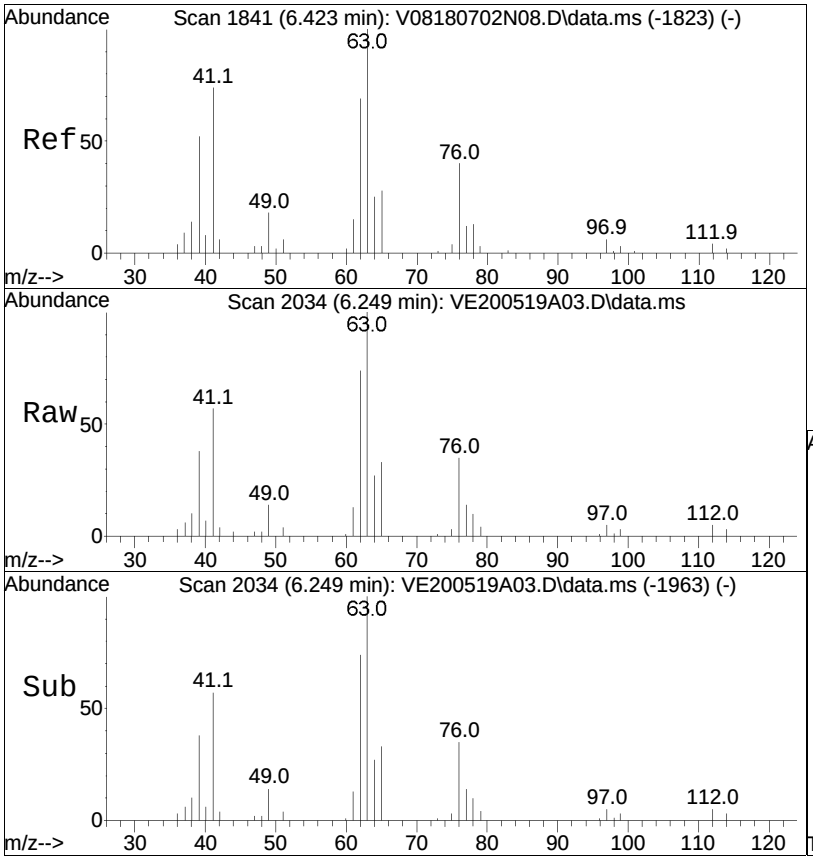


#48
Trichloroethene
Concen: 8.04 ug/L
RT: 5.679 min Scan# 1829
Delta R.T. -0.005 min
Lab File: VE200519A03.D
Acq: 19 May 2020 9:27 am

Tgt Ion: 95 Resp: 32424

Ion	Ratio	Lower	Upper
95	100		
97	61.7	55.5	83.3
130	112.9	76.6	115.0

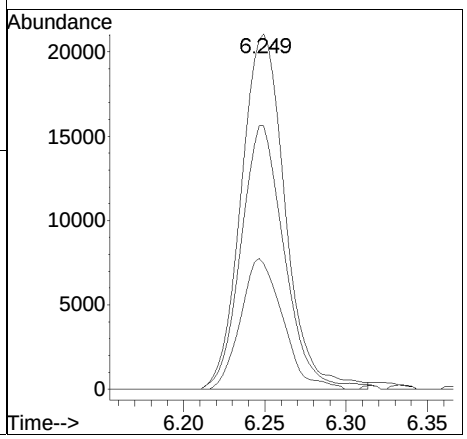


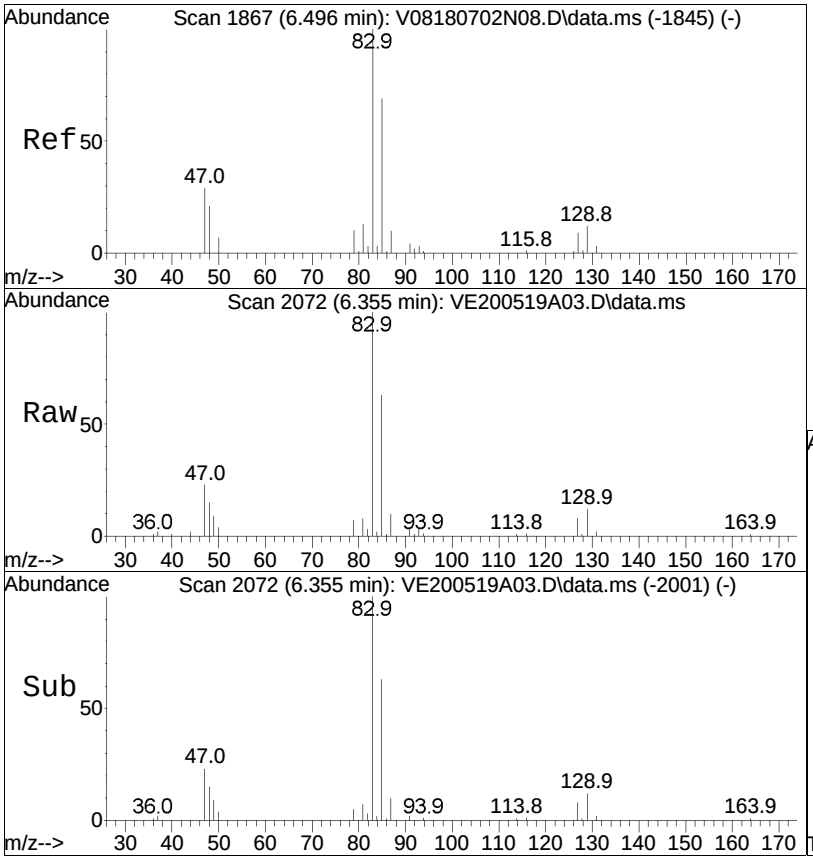


#51
1,2-Dichloropropane
Concen: 9.04 ug/L
RT: 6.249 min Scan# 2034
Delta R.T. -0.003 min
Lab File: VE200519A03.D
Acq: 19 May 2020 9:27 am

Tgt Ion: 63 Resp: 39801

Ion	Ratio	Lower	Upper
63	100		
62	72.3	58.6	87.8
76	35.2	38.0	57.0#

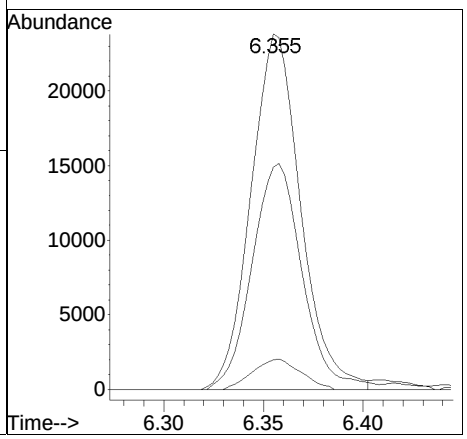


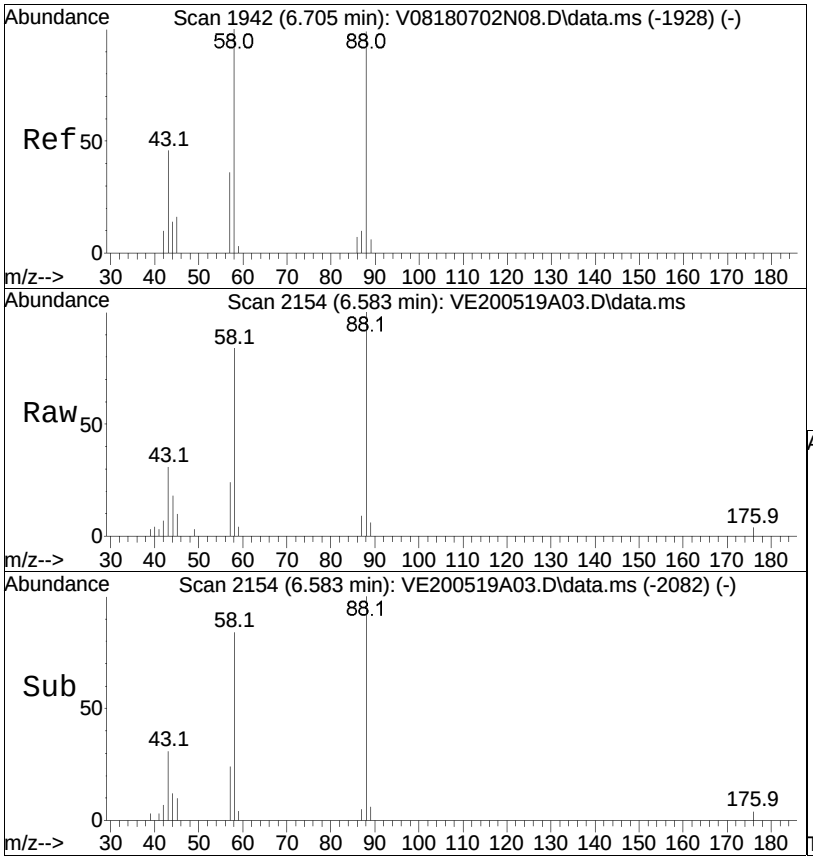


#54
Bromodichloromethane
Concen: 8.26 ug/L
RT: 6.355 min Scan# 2072
Delta R.T. -0.003 min
Lab File: VE200519A03.D
Acq: 19 May 2020 9:27 am

Tgt Ion: 83 Resp: 41342

Ion	Ratio	Lower	Upper
83	100		
85	64.3	52.3	78.5
127	8.2	6.2	9.4

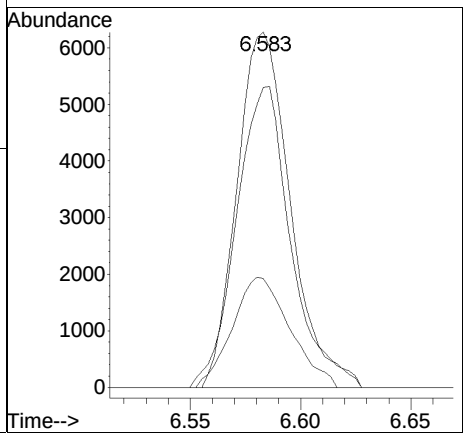


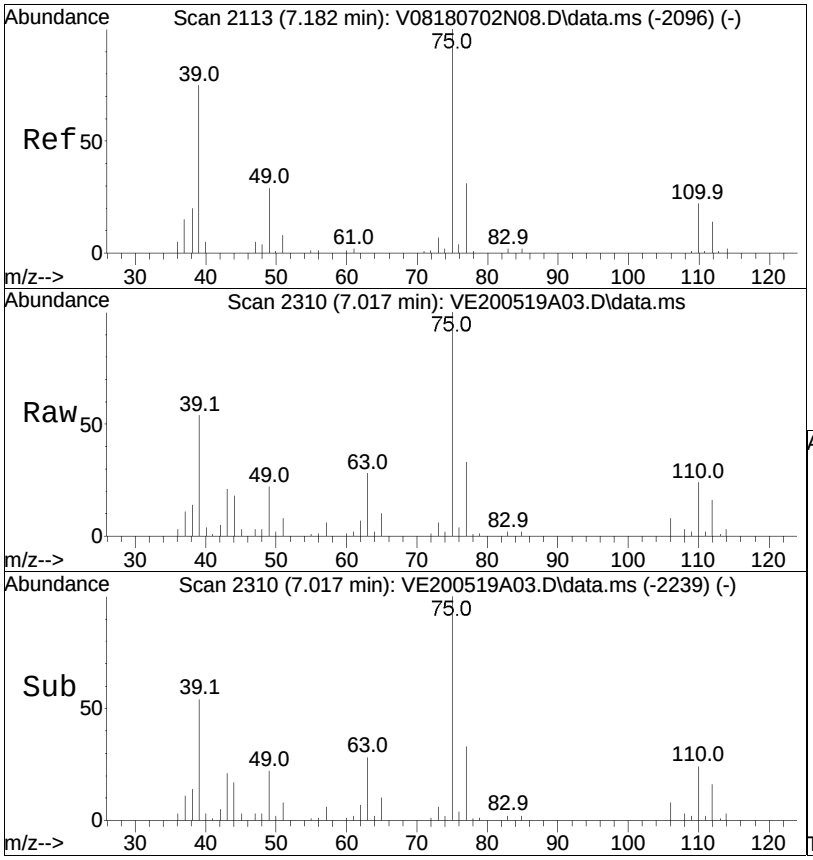


#57
1,4-Dioxane
Concen: 372.93 ug/L
RT: 6.583 min Scan# 2154
Delta R.T. 0.000 min
Lab File: VE200519A03.D
Acq: 19 May 2020 9:27 am

Tgt Ion: 88 Resp: 10579

Ion	Ratio	Lower	Upper
88	100		
58	86.3	76.7	115.1
43	33.3	36.2	54.2#

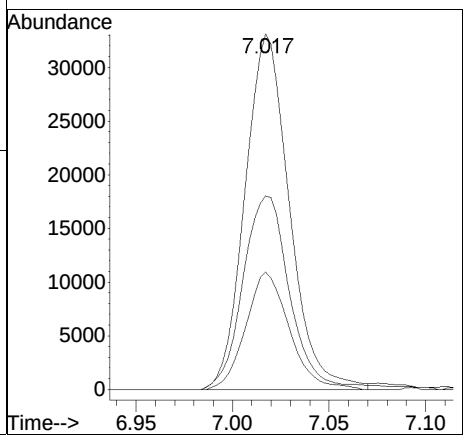


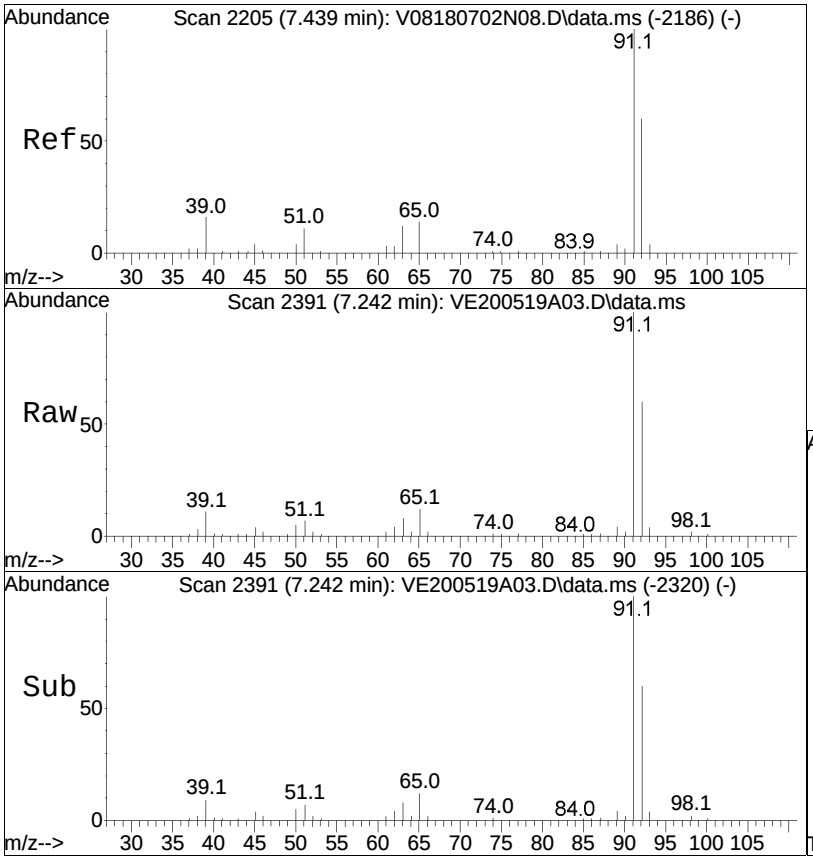


#58
cis-1,3-Dichloropropene
Concen: 8.15 ug/L
RT: 7.017 min Scan# 2310
Delta R.T. -0.003 min
Lab File: VE200519A03.D
Acq: 19 May 2020 9:27 am

Tgt Ion: 75 Resp: 52943

Ion	Ratio	Lower	Upper
75	100		
77	32.3	25.0	37.4
39	57.6	50.1	75.1

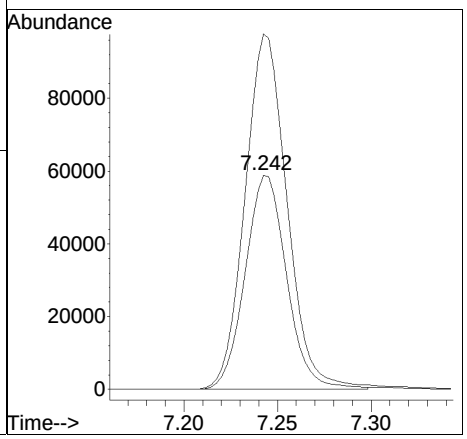


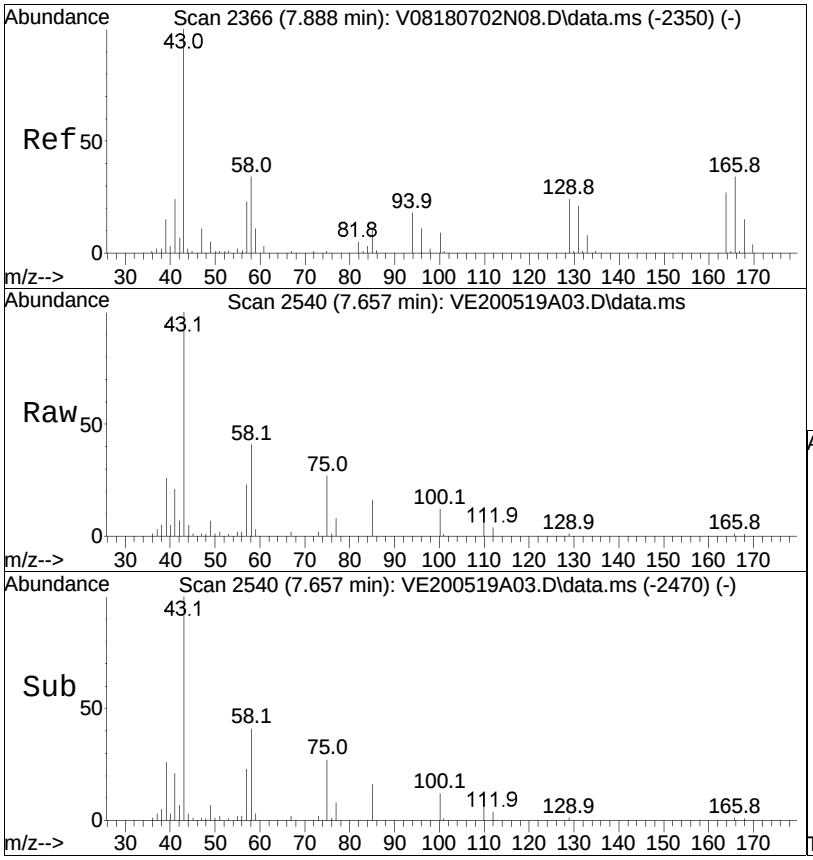


#61
Toluene
Concen: 8.78 ug/L
RT: 7.242 min Scan# 2391
Delta R.T. -0.003 min
Lab File: VE200519A03.D
Acq: 19 May 2020 9:27 am

Tgt Ion: 92 Resp: 90709

Ion	Ratio	Lower	Upper
92	100		
91	169.5	139.8	209.6

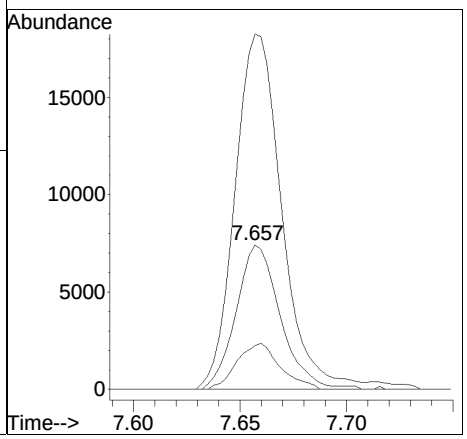


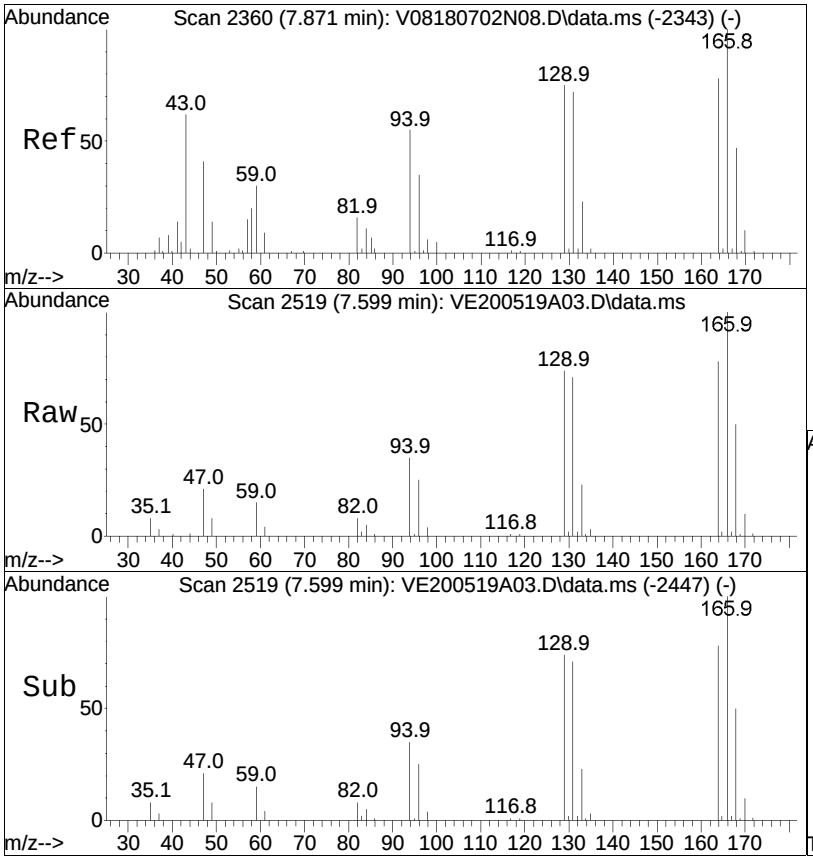


#62
4-Methyl-2-pentanone
Concen: 7.91 ug/L
RT: 7.657 min Scan# 2540
Delta R.T. -0.005 min
Lab File: VE200519A03.D
Acq: 19 May 2020 9:27 am

Tgt Ion: 58 Resp: 10743

Ion	Ratio	Lower	Upper
58	100		
100	31.3	20.2	30.2#
43	259.1	196.6	295.0

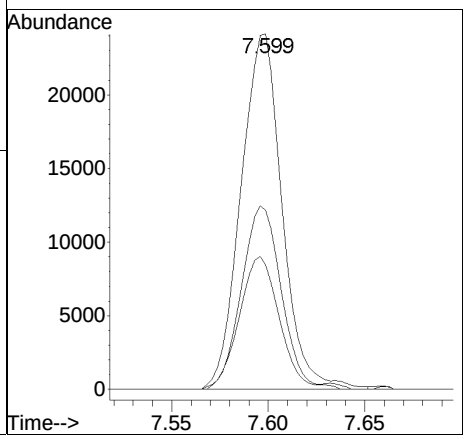


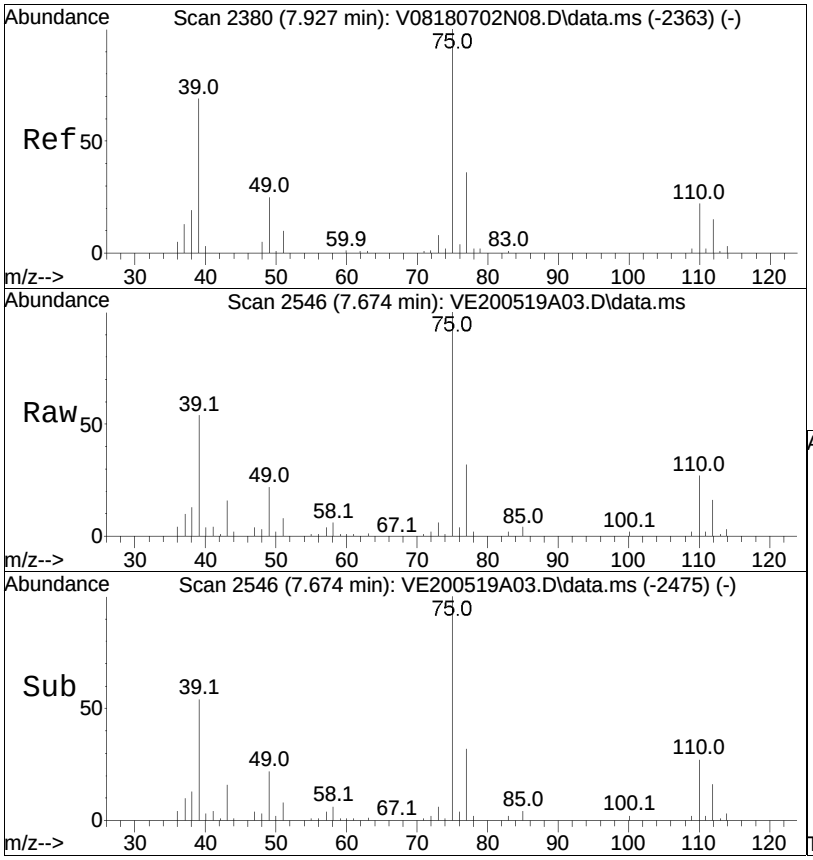


#63
Tetrachloroethene
Concen: 8.27 ug/L
RT: 7.599 min Scan# 2519
Delta R.T. 0.001 min
Lab File: VE200519A03.D
Acq: 19 May 2020 9:27 am

Tgt Ion:166 Resp: 35926

Ion	Ratio	Lower	Upper
166	100		
168	49.6	28.2	68.2
94	36.4	38.4	78.4#

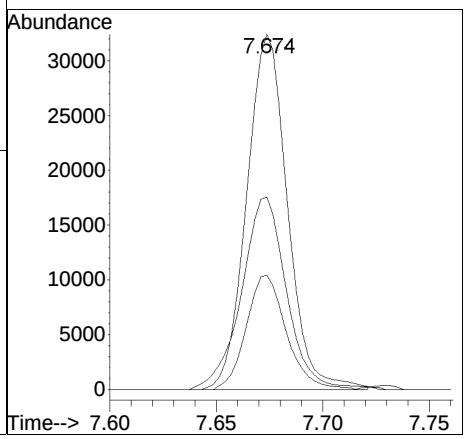


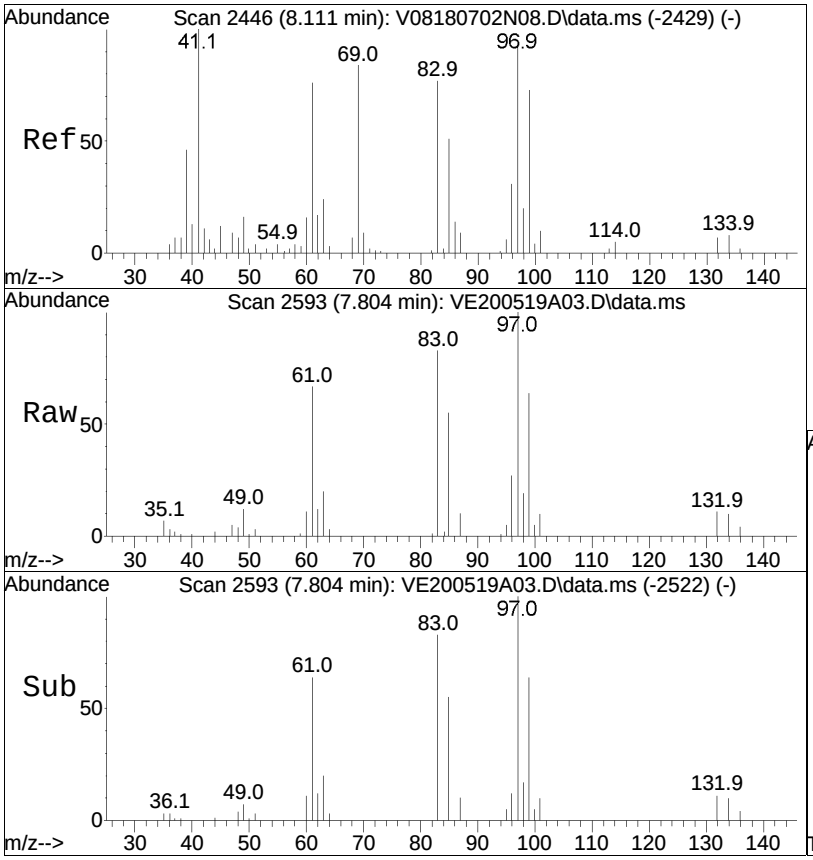


#65
trans-1,3-Dichloropropene
Concen: 7.32 ug/L
RT: 7.674 min Scan# 2546
Delta R.T. -0.002 min
Lab File: VE200519A03.D
Acq: 19 May 2020 9:27 am

Tgt Ion: 75 Resp: 43034

Ion	Ratio	Lower	Upper
75	100		
77	31.6	12.4	52.4
39	59.9	42.8	82.8

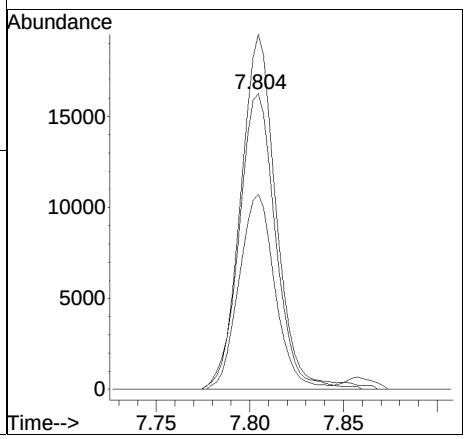


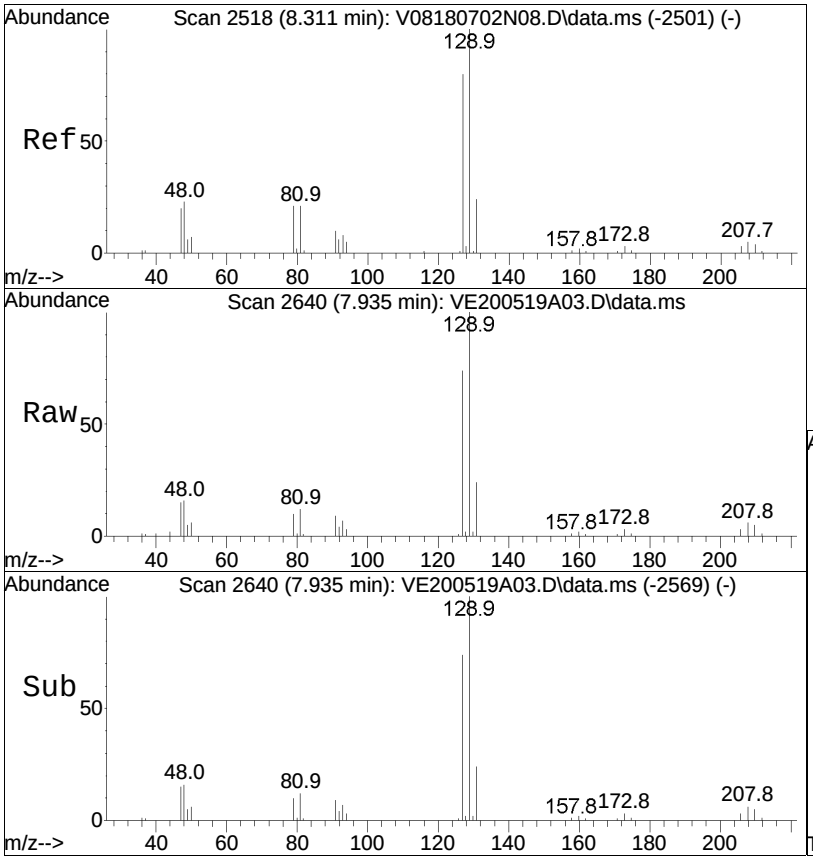


#68
1,1,2-Trichloroethane
Concen: 8.14 ug/L
RT: 7.804 min Scan# 2593
Delta R.T. -0.003 min
Lab File: VE200519A03.D
Acq: 19 May 2020 9:27 am

Tgt Ion: 83 Resp: 22071

Ion	Ratio	Lower	Upper
83	100		
97	116.9	89.8	129.8
85	65.2	44.4	84.4

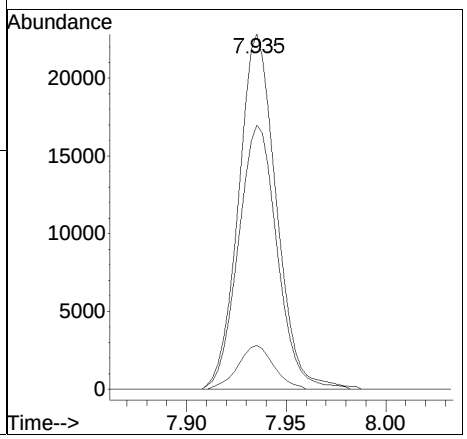


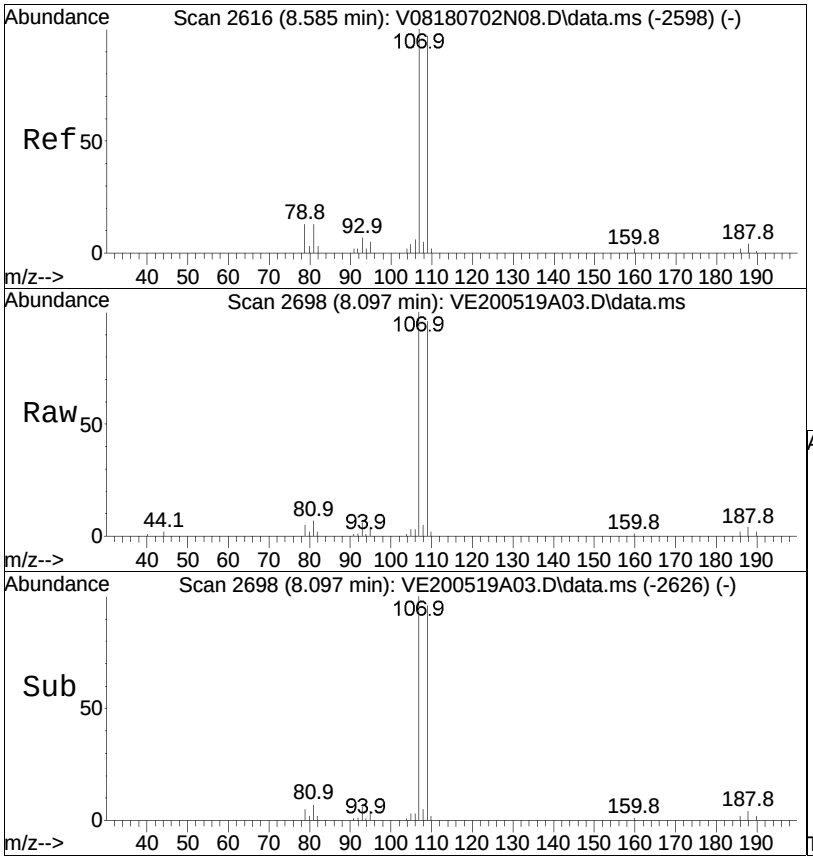


#69
Chlorodibromomethane
Concen: 8.13 ug/L
RT: 7.935 min Scan# 2640
Delta R.T. -0.003 min
Lab File: VE200519A03.D
Acq: 19 May 2020 9:27 am

Tgt Ion:129 Resp: 30193

Ion	Ratio	Lower	Upper
129	100		
81	11.8	2.9	42.9
127	76.5	57.8	97.8

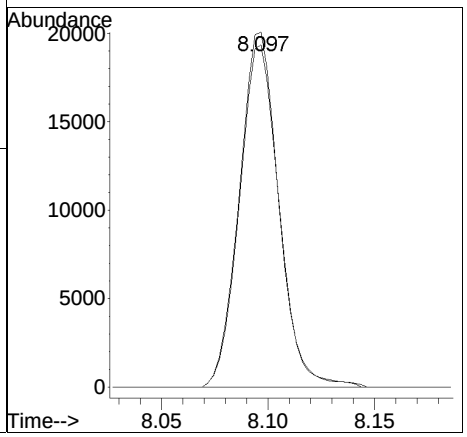


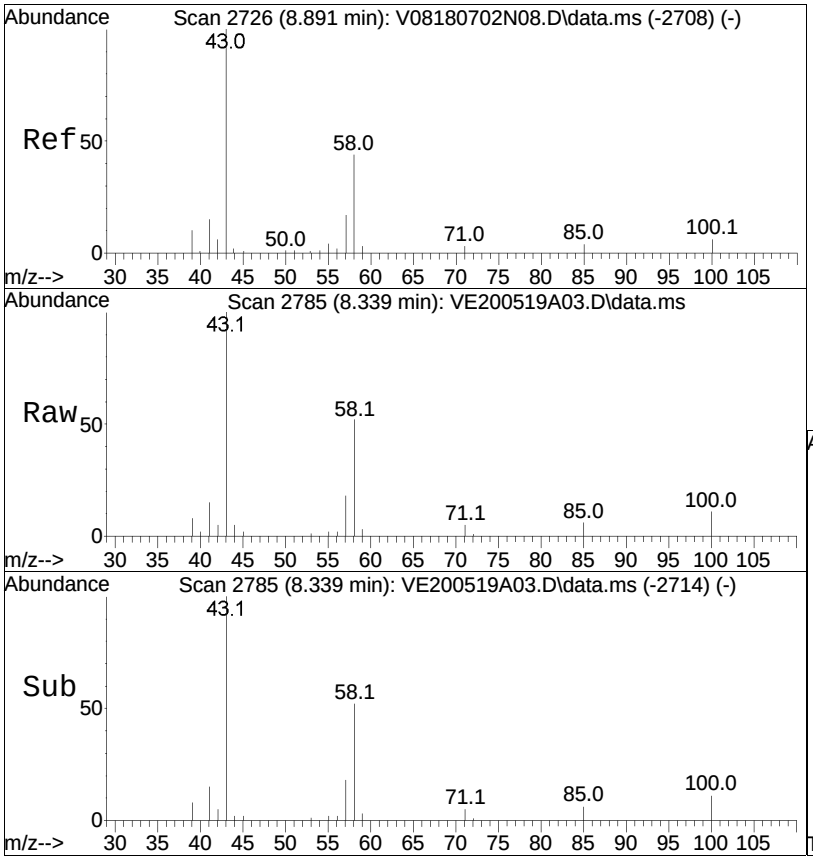


#71
1,2-Dibromoethane
Concen: 8.23 ug/L
RT: 8.097 min Scan# 2698
Delta R.T. 0.001 min
Lab File: VE200519A03.D
Acq: 19 May 2020 9:27 am

Tgt Ion:107 Resp: 25882

Ion	Ratio	Lower	Upper
107	100		
109	97.3	74.3	111.5

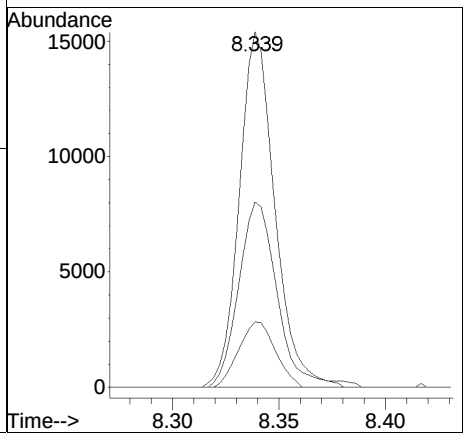


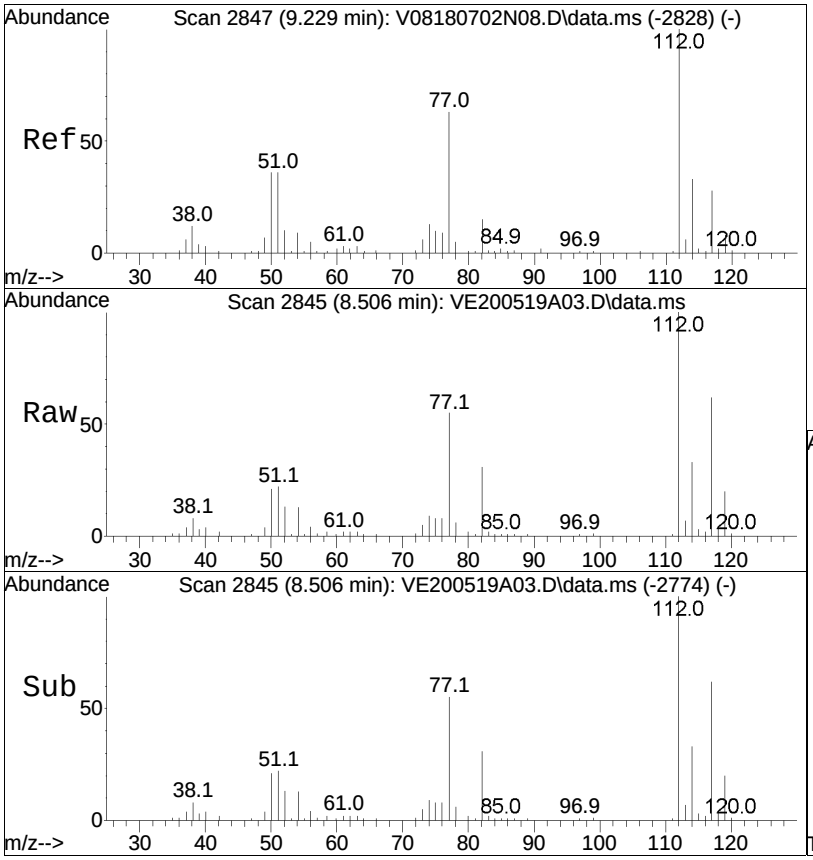


#72
2-Hexanone
Concen: 7.10 ug/L
RT: 8.339 min Scan# 2785
Delta R.T. -0.002 min
Lab File: VE200519A03.D
Acq: 19 May 2020 9:27 am

Tgt Ion: 43 Resp: 17993

Ion	Ratio	Lower	Upper
43	100		
58	55.8	41.2	61.8
57	19.0	17.2	25.8

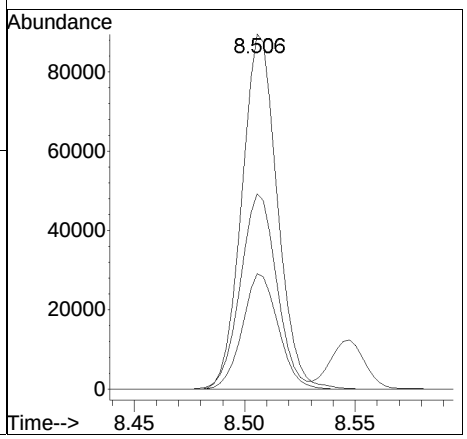


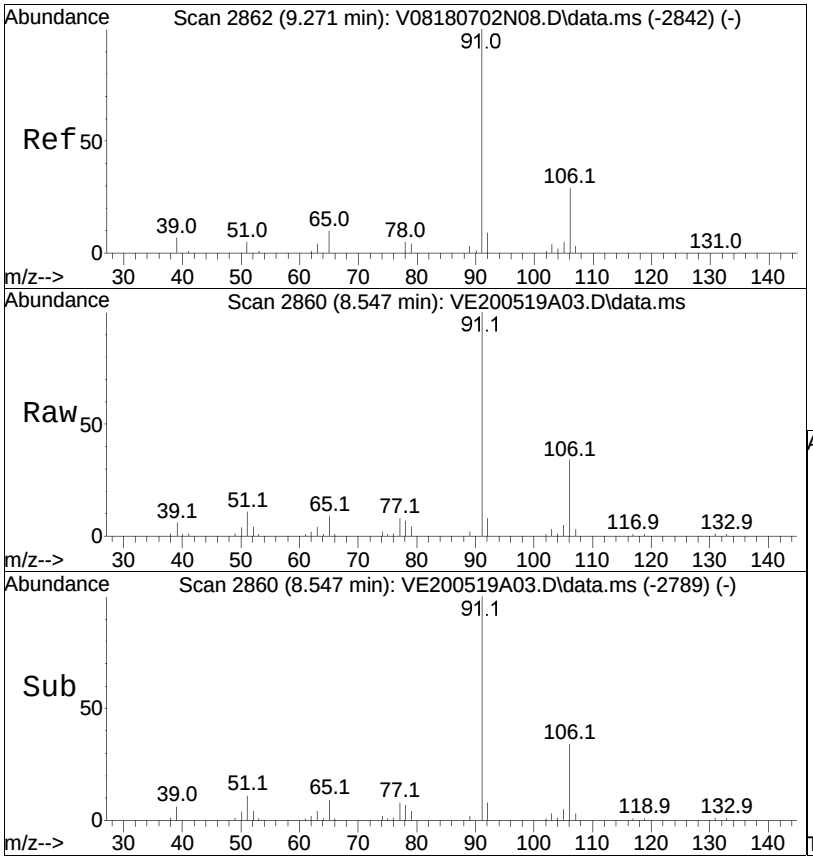


#73
Chlorobenzene
Concen: 9.09 ug/L
RT: 8.506 min Scan# 2845
Delta R.T. -0.002 min
Lab File: VE200519A03.D
Acq: 19 May 2020 9:27 am

Tgt Ion:112 Resp: 100240

Ion	Ratio	Lower	Upper
112	100		
77	56.7	55.4	83.0
114	33.0	25.4	38.2

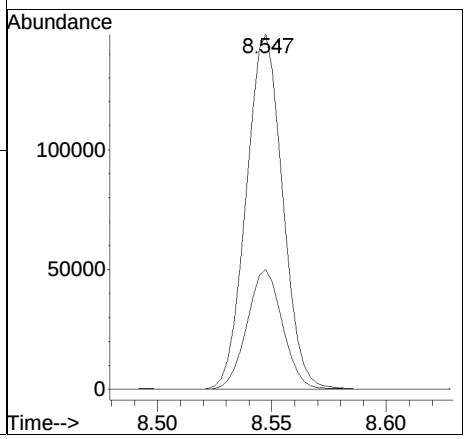


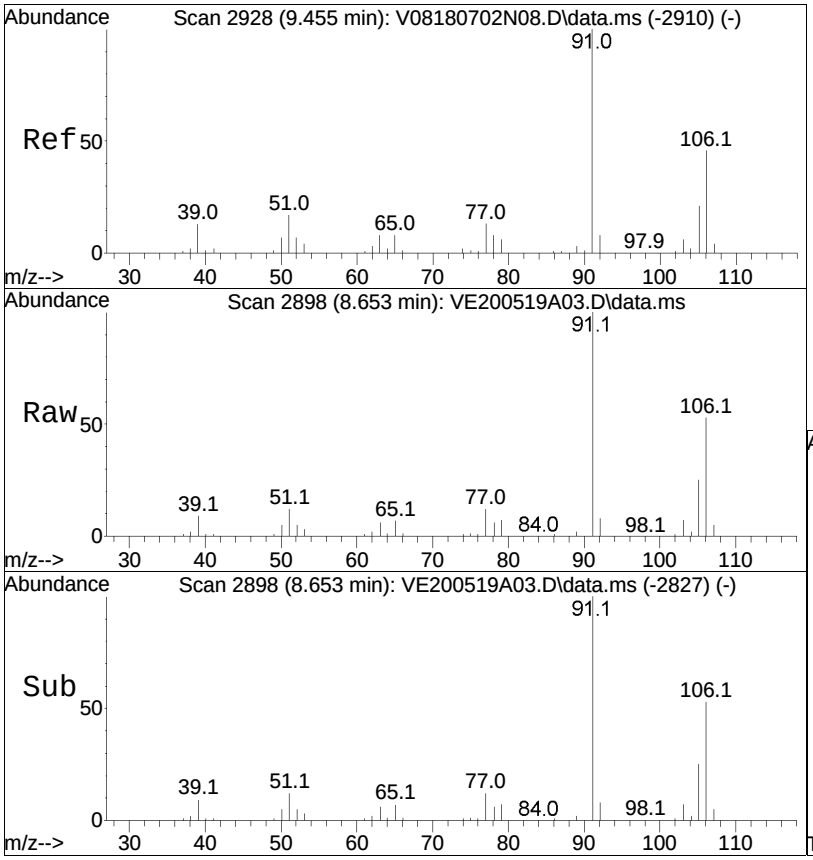


#74
Ethylbenzene
Concen: 8.73 ug/L
RT: 8.547 min Scan# 2860
Delta R.T. -0.003 min
Lab File: VE200519A03.D
Acq: 19 May 2020 9:27 am

Tgt Ion: 91 Resp: 163774

Ion	Ratio	Lower	Upper
91	100		
106	33.0	24.3	36.5

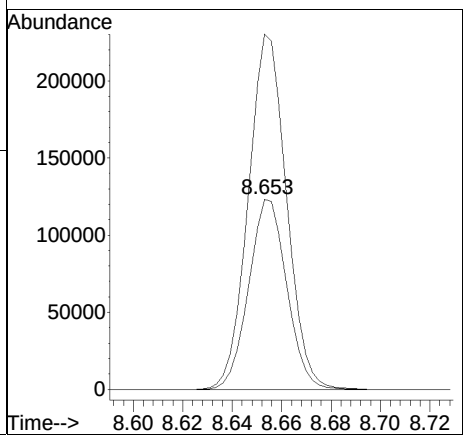


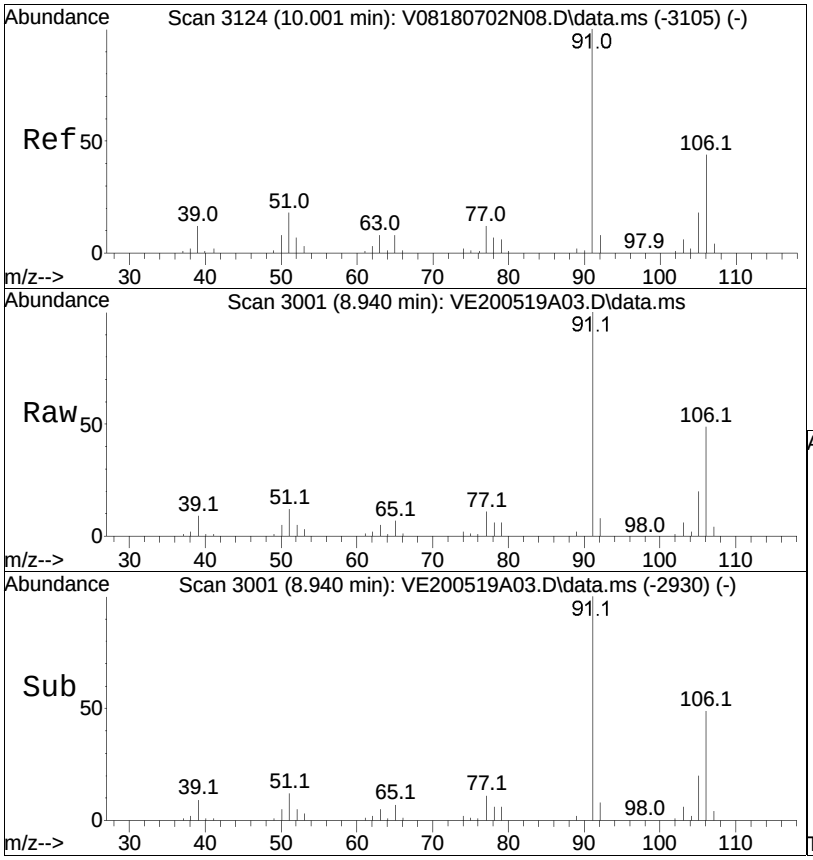


#76
p/m Xylene
Concen: 17.62 ug/L
RT: 8.653 min Scan# 2898
Delta R.T. -0.003 min
Lab File: VE200519A03.D
Acq: 19 May 2020 9:27 am

Tgt Ion:106 Resp: 131761

Ion	Ratio	Lower	Upper
106	100		
91	187.5	166.4	249.6

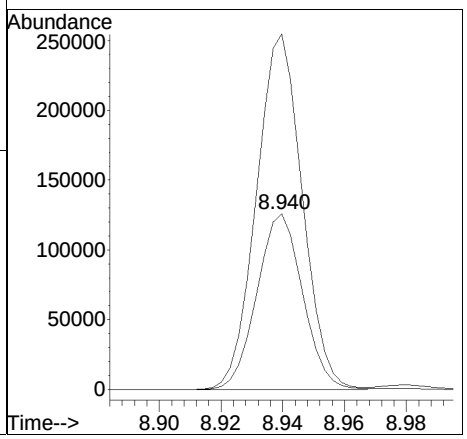


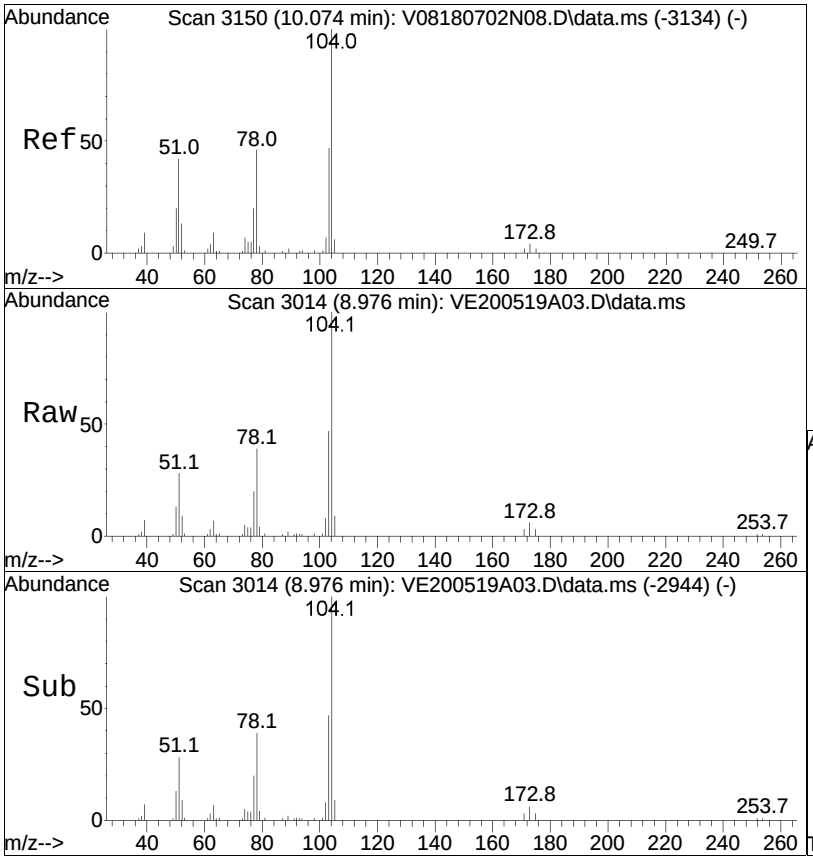


#77
o Xylene
Concen: 18.03 ug/L
RT: 8.940 min Scan# 3001
Delta R.T. -0.002 min
Lab File: VE200519A03.D
Acq: 19 May 2020 9:27 am

Tgt Ion:106 Resp: 129031

Ion	Ratio	Lower	Upper
106	100		
91	203.0	182.6	273.8

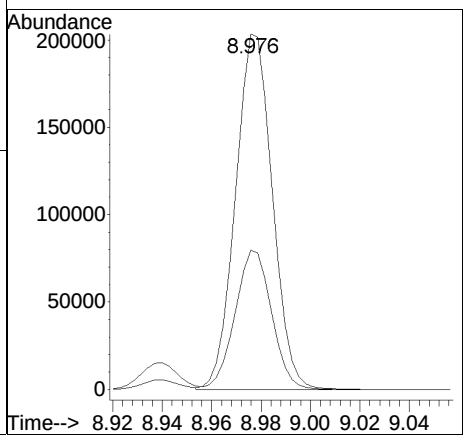


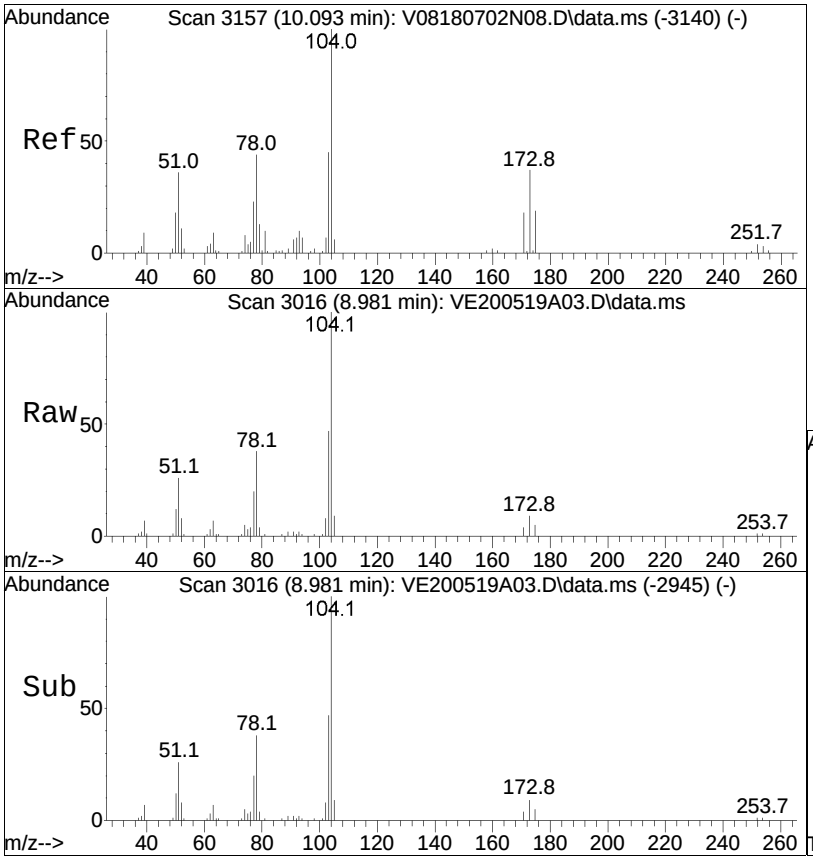


#78
Styrene
Concen: 18.07 ug/L
RT: 8.976 min Scan# 3014
Delta R.T. -0.005 min
Lab File: VE200519A03.D
Acq: 19 May 2020 9:27 am

Tgt Ion:104 Resp: 210440

Ion	Ratio	Lower	Upper
104	100		
78	38.7	39.8	59.6#

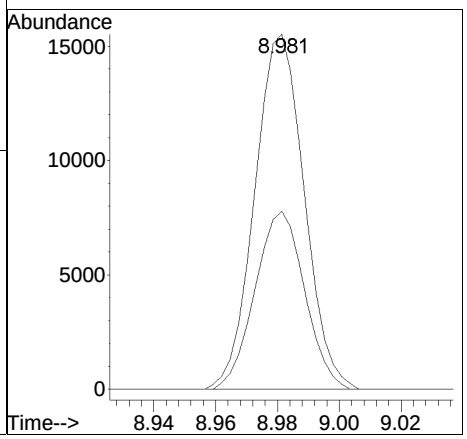


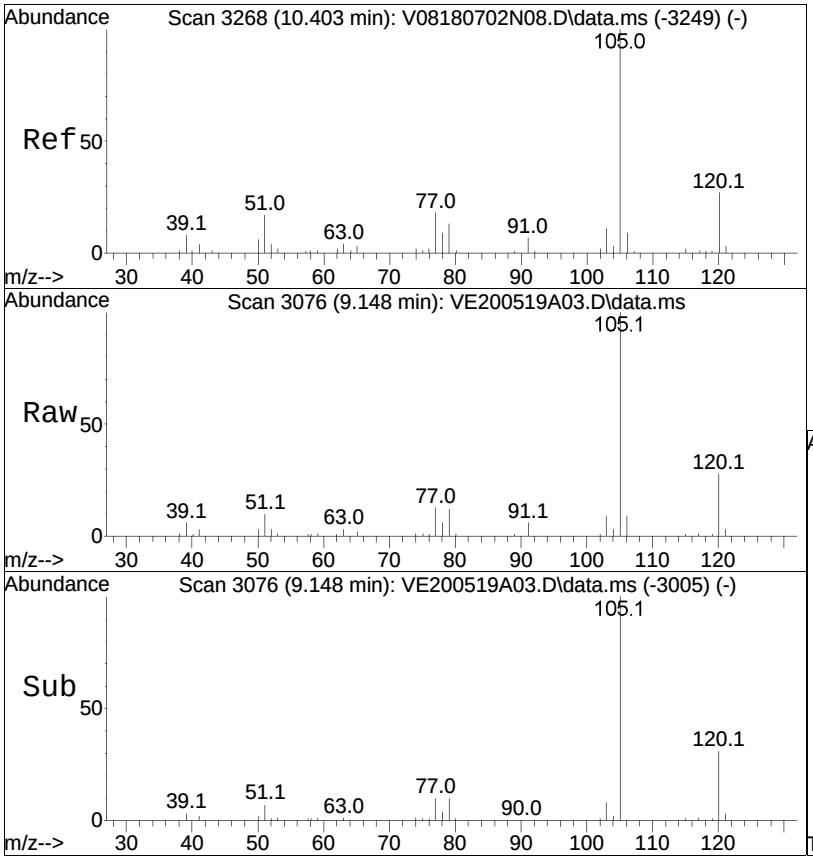


#80
Bromoform
Concen: 7.70 ug/L
RT: 8.981 min Scan# 3016
Delta R.T. -0.003 min
Lab File: VE200519A03.D
Acq: 19 May 2020 9:27 am

Tgt Ion:173 Resp: 17267

Ion	Ratio	Lower	Upper
173	100		
175	50.2	31.5	71.5

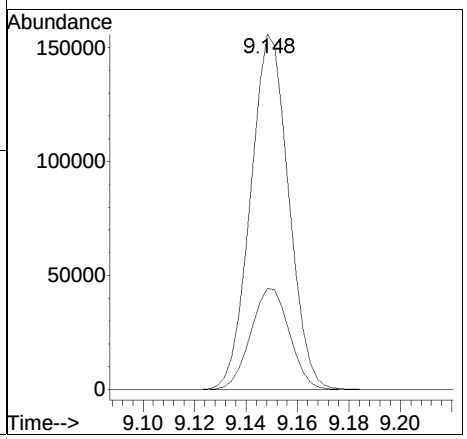


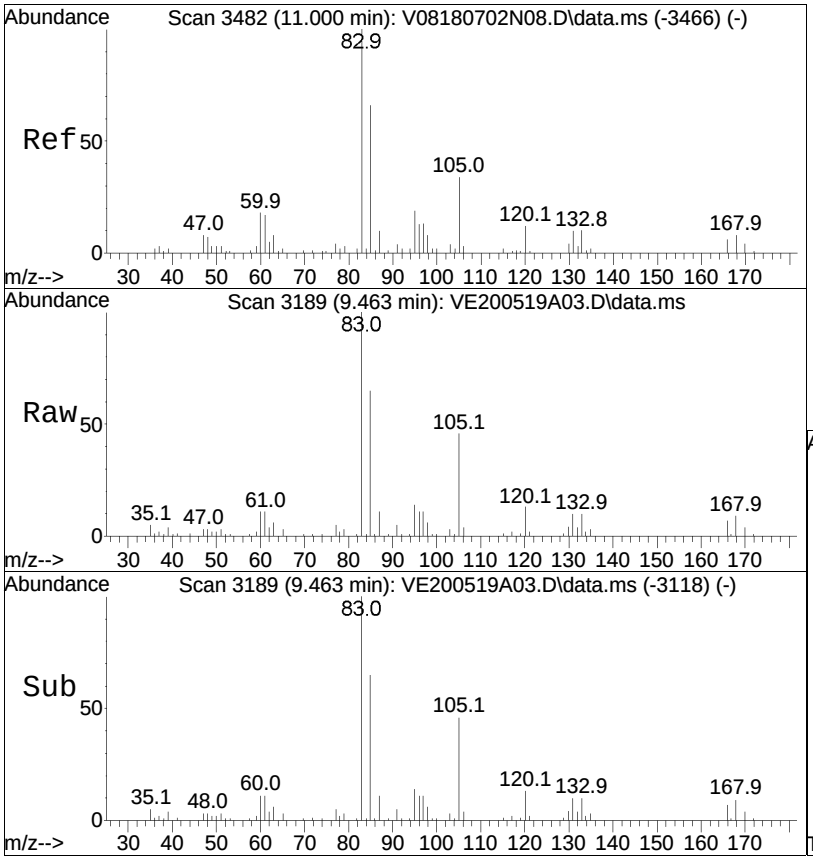


#82
Isopropylbenzene
Concen: 8.61 ug/L
RT: 9.148 min Scan# 3076
Delta R.T. -0.003 min
Lab File: VE200519A03.D
Acq: 19 May 2020 9:27 am

Tgt Ion:105 Resp: 160066

Ion	Ratio	Lower	Upper
105	100		
120	28.9	4.8	44.8

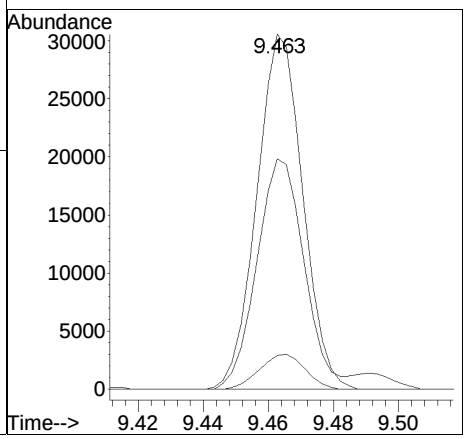


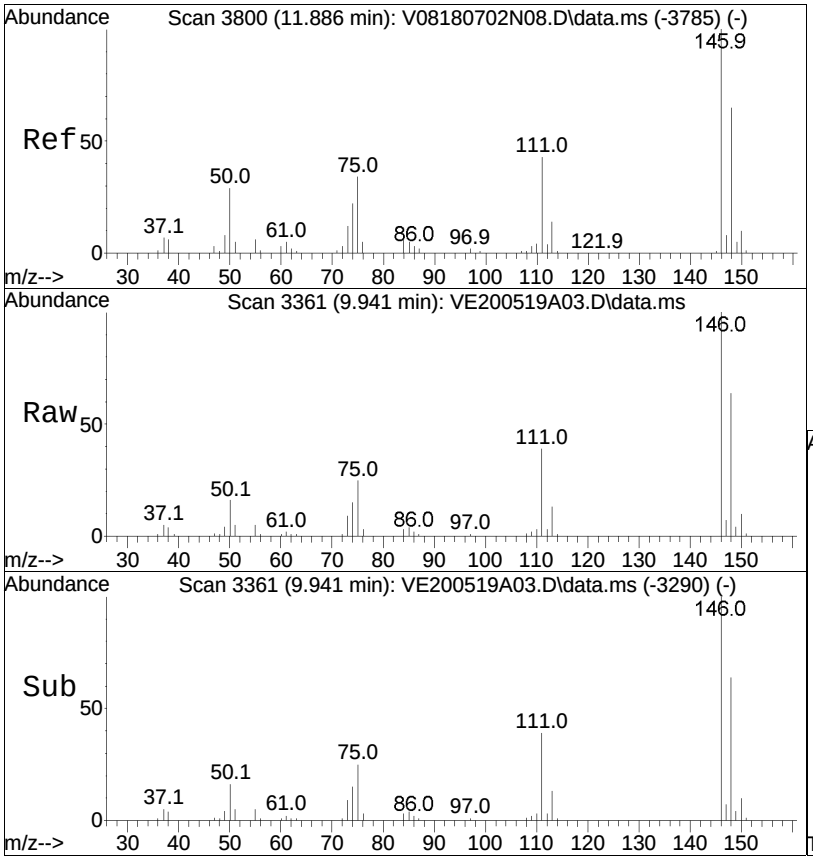


#87
1,1,2,2-Tetrachloroethane
Concen: 8.31 ug/L
RT: 9.463 min Scan# 3189
Delta R.T. -0.002 min
Lab File: VE200519A03.D
Acq: 19 May 2020 9:27 am

Tgt Ion: 83 Resp: 30011

Ion	Ratio	Lower	Upper
83	100		
131	9.9	0.0	30.4
85	67.2	45.4	85.4

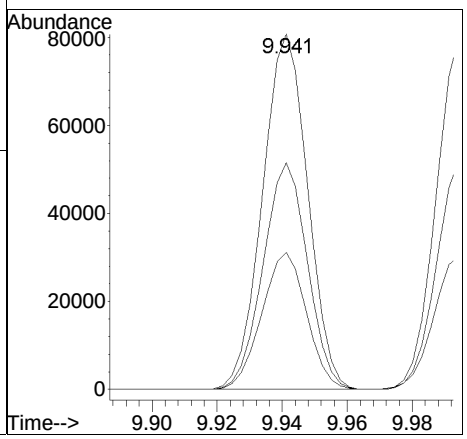


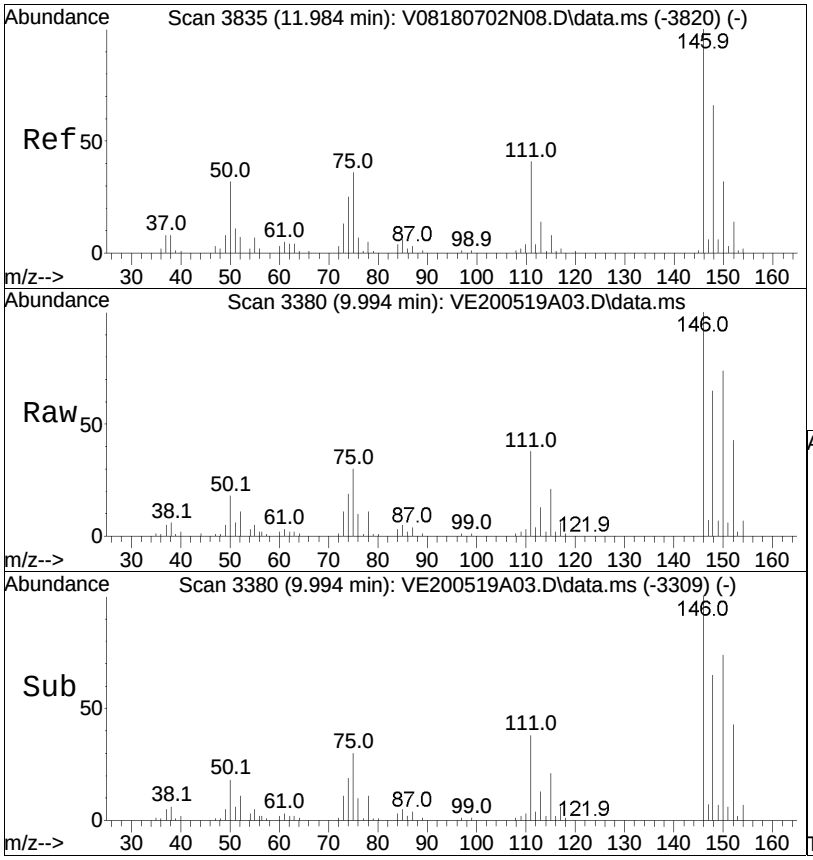


#100
1,3-Dichlorobenzene
Concen: 8.99 ug/L
RT: 9.941 min Scan# 3361
Delta R.T. -0.003 min
Lab File: VE200519A03.D
Acq: 19 May 2020 9:27 am

Tgt Ion:146 Resp: 77952

Ion	Ratio	Lower	Upper
146	100		
111	38.2	27.5	57.1
148	62.7	41.9	86.9

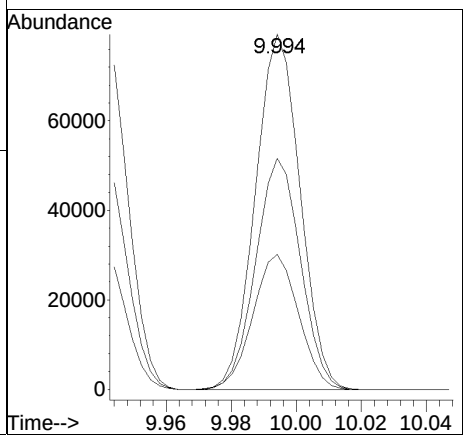


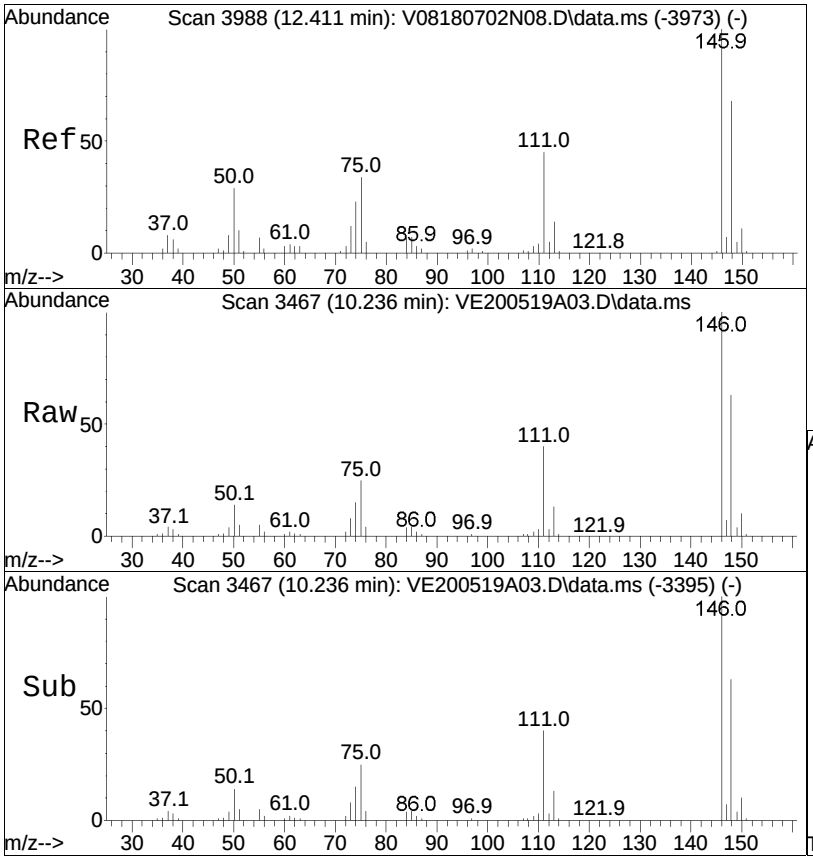


#101
1,4-Dichlorobenzene
Concen: 8.74 ug/L
RT: 9.994 min Scan# 3380
Delta R.T. -0.003 min
Lab File: VE200519A03.D
Acq: 19 May 2020 9:27 am

Tgt Ion:146 Resp: 75851

Ion	Ratio	Lower	Upper
146	100		
111	38.9	32.3	48.5
148	65.2	49.9	74.9

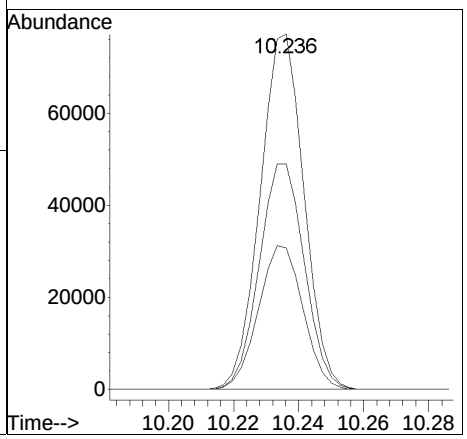


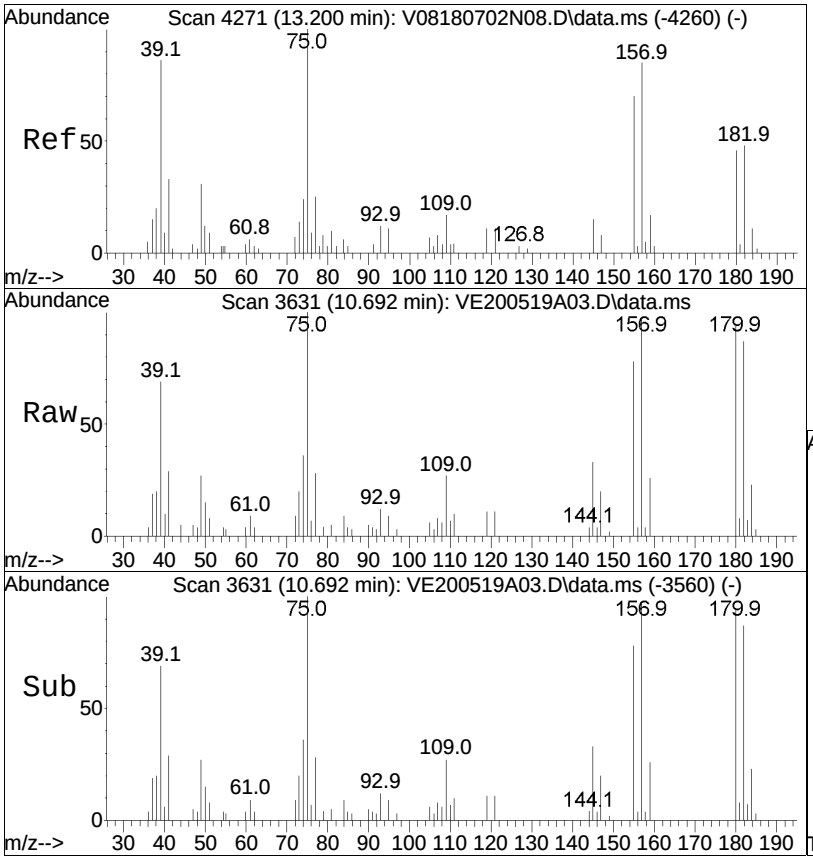


#104
1,2-Dichlorobenzene
Concen: 8.90 ug/L
RT: 10.236 min Scan# 3467
Delta R.T. 0.000 min
Lab File: VE200519A03.D
Acq: 19 May 2020 9:27 am

Tgt Ion:146 Resp: 72426

Ion	Ratio	Lower	Upper
146	100		
111	41.2	28.3	58.7
148	65.3	42.3	87.8

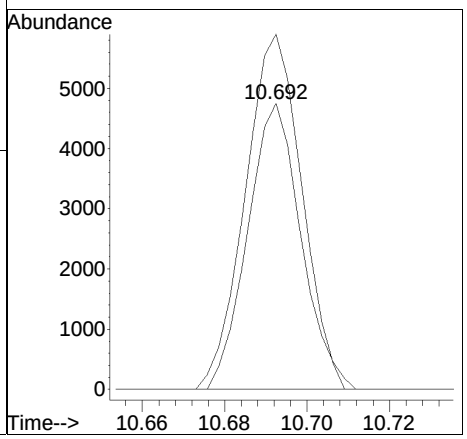


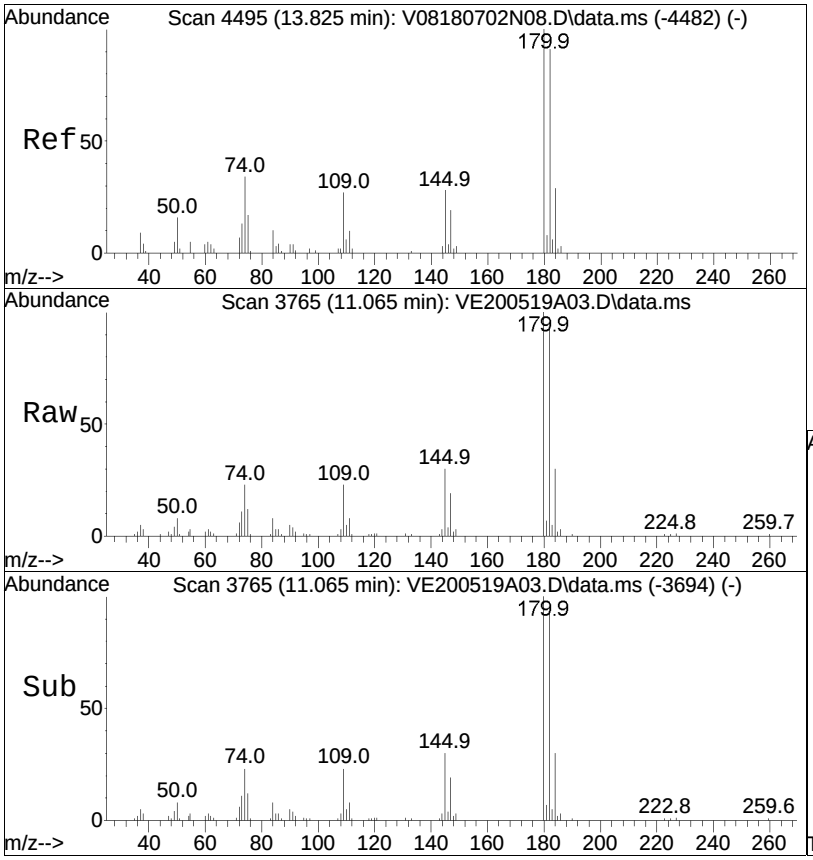


#106
1,2-Dibromo-3-chloropropane
Concen: 6.86 ug/L
RT: 10.692 min Scan# 3631
Delta R.T. -0.003 min
Lab File: VE200519A03.D
Acq: 19 May 2020 9:27 am

Tgt Ion:155 Resp: 4277

Ion	Ratio	Lower	Upper
155	100		
157	131.7	94.8	142.2

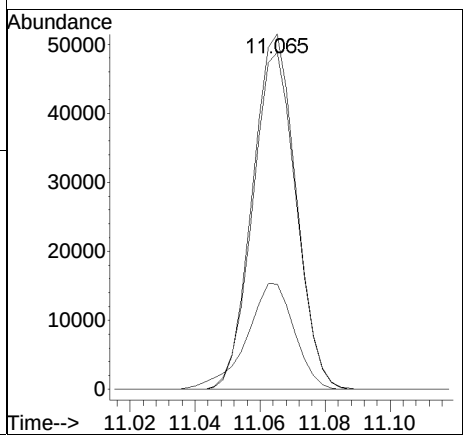


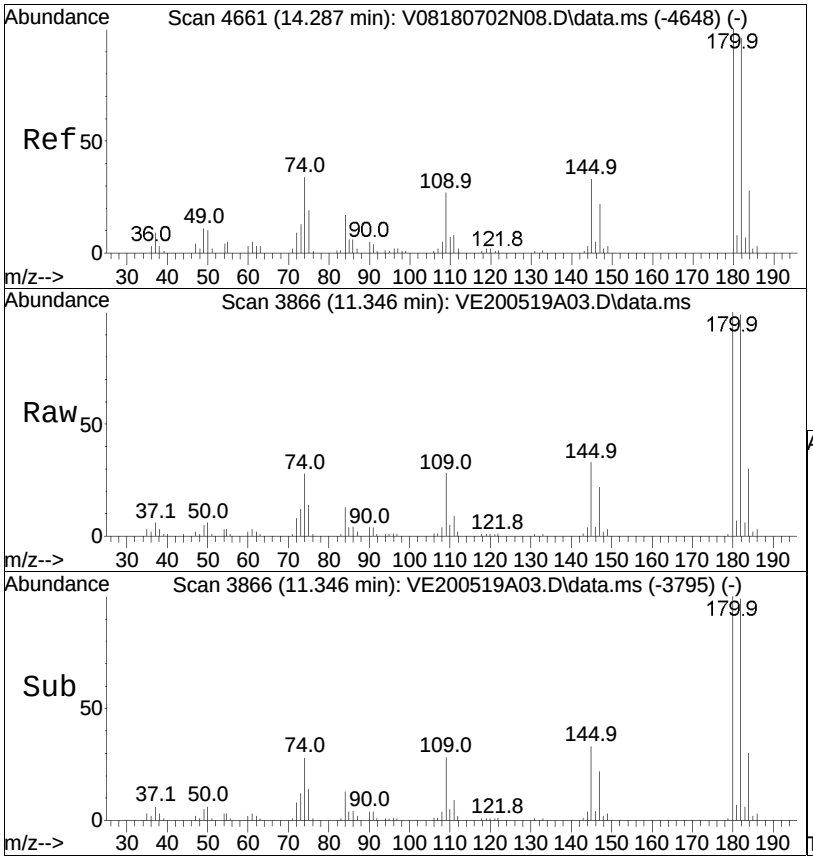


#109
1,2,4-Trichlorobenzene
Concen: 8.55 ug/L
RT: 11.065 min Scan# 3765
Delta R.T. -0.003 min
Lab File: VE200519A03.D
Acq: 19 May 2020 9:27 am

Tgt Ion:180 Resp: 48007

Ion	Ratio	Lower	Upper
180	100		
182	94.9	77.3	115.9
145	32.7	28.1	42.1

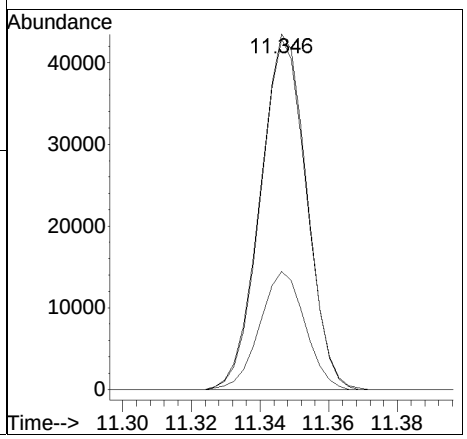




#111
1,2,3-Trichlorobenzene
Concen: 8.01 ug/L
RT: 11.346 min Scan# 3866
Delta R.T. -0.003 min
Lab File: VE200519A03.D
Acq: 19 May 2020 9:27 am

Tgt Ion:180 Resp: 40903

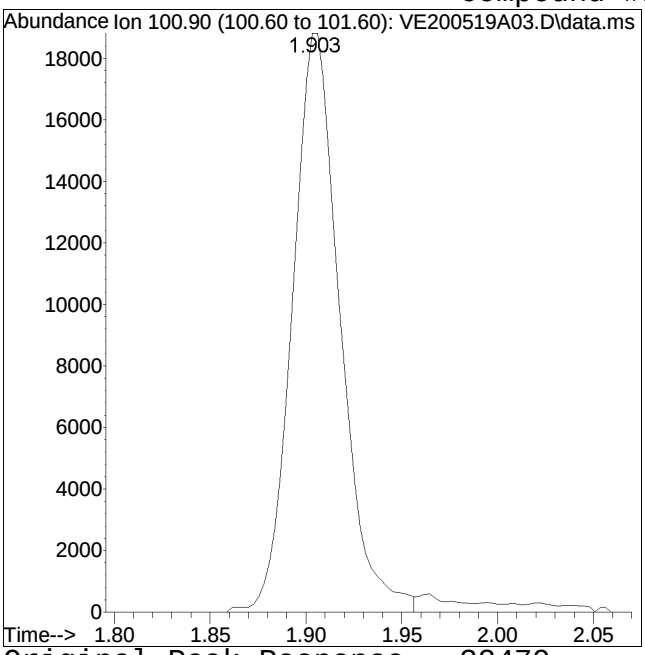
Ion	Ratio	Lower	Upper
180	100		
182	97.6	76.4	114.6
145	32.2	26.4	39.6

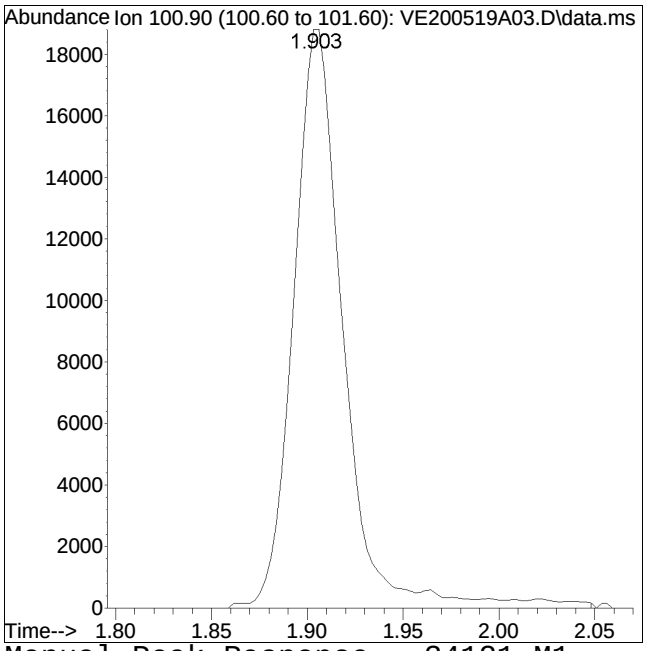


Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200519A03.D Operator : ELAINE:PD
Date Inj'd : 5/19/2020 9:27 am Instrument : Elaine
Sample : WG1372327-4,31,10,10 Quant Date : 5/19/2020 9:51 am

Compound #12: Freon-113



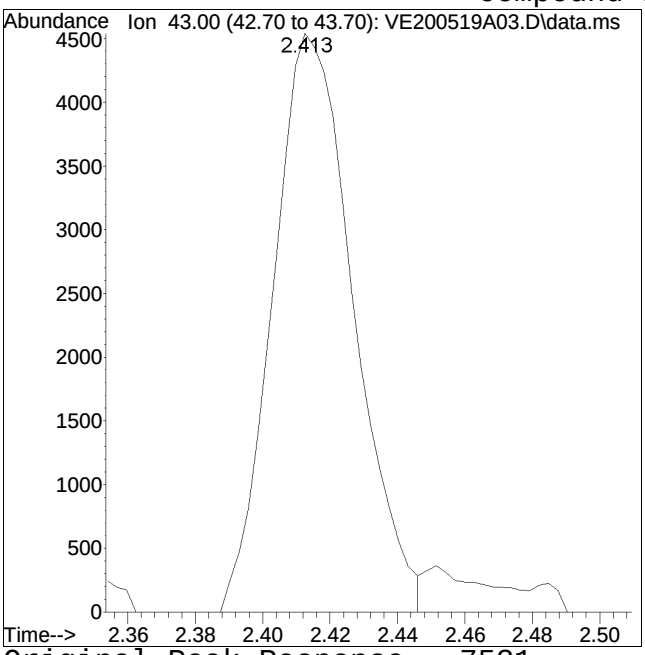


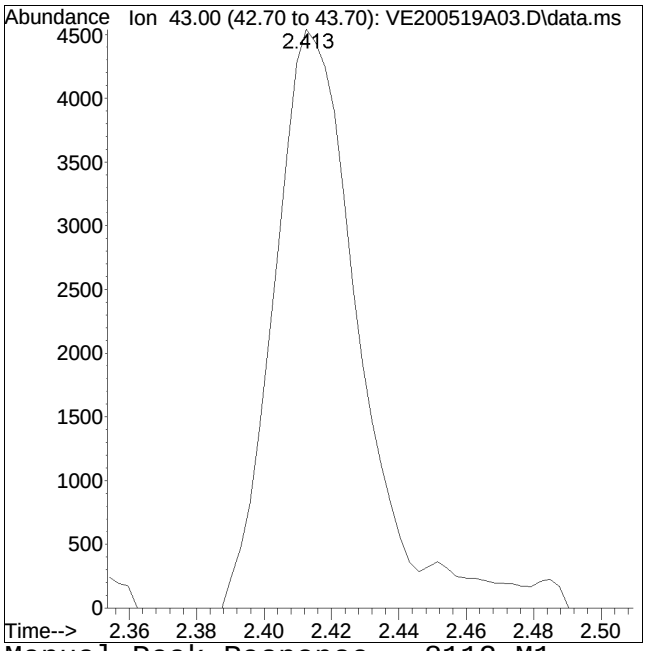
Original Peak Response = 32479 Manual Peak Response = 34121 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200519A03.D Operator : ELAINE:PD
Date Inj'd : 5/19/2020 9:27 am Instrument : Elaine
Sample : WG1372327-4,31,10,10 Quant Date : 5/19/2020 9:51 am

Compound #17: Acetone



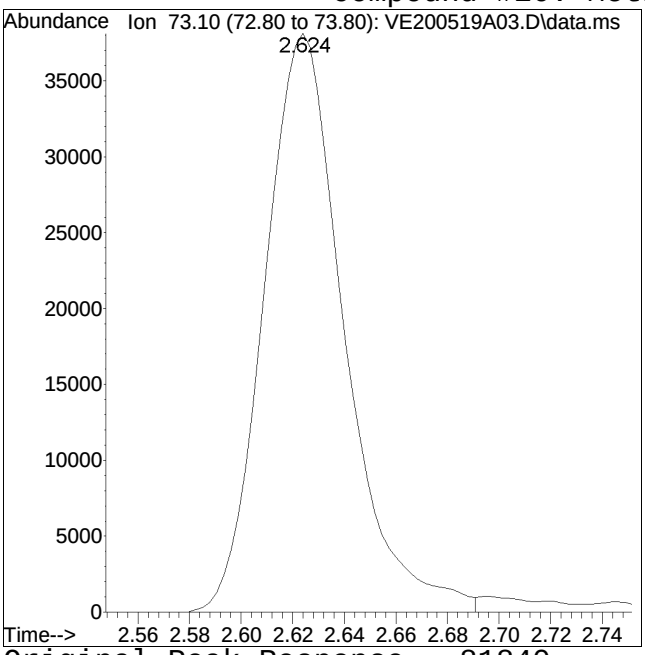


Original Peak Response = 7531 Manual Peak Response = 8112 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

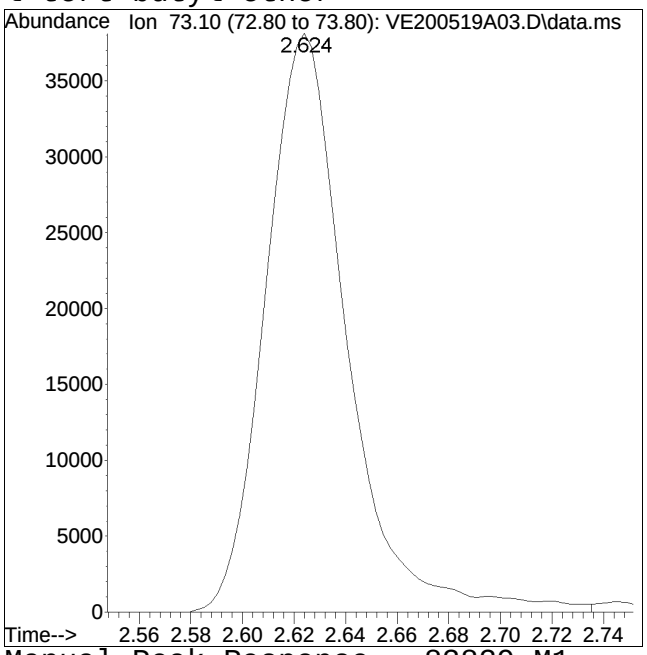
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200519A03.D Operator : ELAINE:PD
Date Inj'd : 5/19/2020 9:27 am Instrument : Elaine
Sample : WG1372327-4,31,10,10 Quant Date : 5/19/2020 9:51 am

Compound #20: Methyl tert-butyl ether



Original Peak Response = 81840



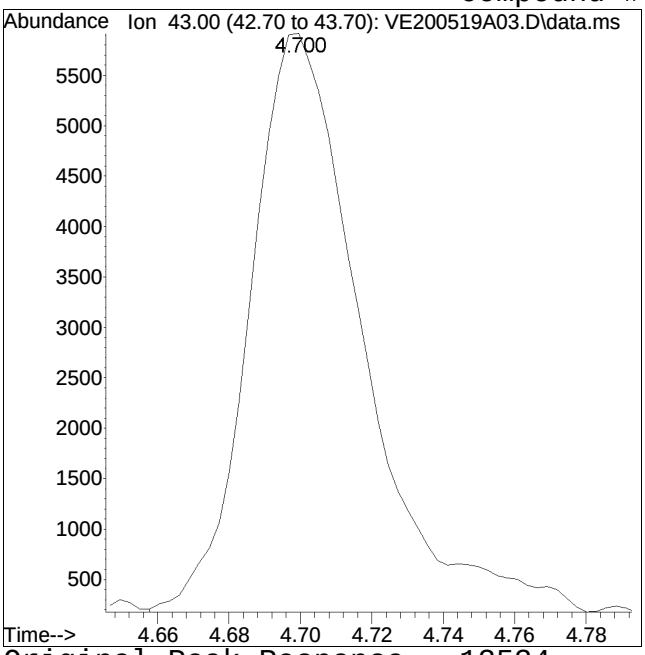
Manual Peak Response = 83839 M1

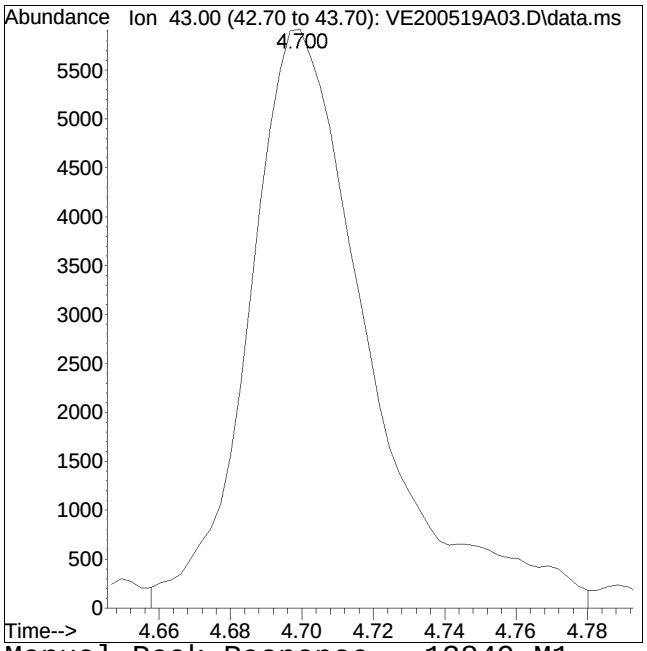
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200421N_8260.m
Data File : VE200519A03.D Operator : ELAINE:PD
Date Inj'd : 5/19/2020 9:27 am Instrument : Elaine
Sample : WG1372327-4,31,10,10 Quant Date : 5/19/2020 9:51 am

Compound #39: 2-Butanone





Original Peak Response = 12534 Manual Peak Response = 13849 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2020\200518N\
Data File : V05200518N26.d
Acq On : 19 May 2020 3:47 am
Operator : VOA105:NLK
Sample : WG1372229-6,31,0.250,10,,a
Misc : WG1372229,ICAL16595
ALS Vial : 26 Sample Multiplier: 1

Quant Time: May 19 09:58:20 2020
Quant Method : I:\VOLATILES\VOA105\2020\200518N\V105_200313N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Mar 15 01:23:14 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2020\200518N\V05200518N01.d
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.036	96	1034349	10.000	ug/L	0.00
Standard Area 1 = 1103307			Recovery = 93.75%			
59) Chlorobenzene-d5	9.559	117	807391	10.000	ug/L	-0.01
Standard Area 1 = 869831			Recovery = 92.82%			
79) 1,4-Dichlorobenzene-d4	12.253	152	437468	10.000	ug/L	-0.01
Standard Area 1 = 540562			Recovery = 80.93%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.234	113	300876	10.866	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 108.66%			
43) 1,2-Dichloroethane-d4	5.763	65	348494	11.744	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 117.44%			
60) Toluene-d8	7.719	98	1066461	10.440	ug/L	-0.01
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.40%			
83) 4-Bromofluorobenzene	11.048	95	431231	10.476	ug/L	-0.01
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.76%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.664	85	281378	12.895	ug/L	99
3) Chloromethane	1.860	50	189025	8.935	ug/L	99
4) Vinyl chloride	1.938	62	203879	7.684	ug/L	99
5) Bromomethane	2.241	94	35951	2.460	ug/L	96
6) Chloroethane	2.359	64	87303	6.647	ug/L	97
7) Trichlorofluoromethane	2.496	101	399555	10.466	ug/L	98
10) 1,1-Dichloroethene	2.985	96	206906	10.454	ug/L	93
11) Carbon disulfide	3.014	76	536572	9.904	ug/L	100
12) Freon-113	3.014	101	224657	11.483	ug/L	99
15) Methylene chloride	3.542	84	248758	11.413	ug/L	98
17) Acetone	3.601	43	34388	11.058	ug/L	93
18) trans-1,2-Dichloroethene	3.689	96	257773	11.586	ug/L	95
19) Methyl acetate	3.709	43	89623	10.354	ug/L	93
20) Methyl tert-butyl ether	3.787	73	496387	10.363	ug/L	97
23) 1,1-Dichloroethane	4.276	63	442682	11.286	ug/L	99
28) cis-1,2-Dichloroethene	4.794	96	389917	16.195	ug/L	97
30) Bromochloromethane	4.990	128	118793	10.900	ug/L	98
31) Cyclohexane	4.970	56	395466	11.455	ug/L	99
32) Chloroform	5.058	83	482712	12.179	ug/L	98
34) Carbon tetrachloride	5.176	117	409090	11.513	ug/L	98

Data Path : I:\VOLATILES\VOA105\2020\200518N\
Data File : V05200518N26.d
Acq On : 19 May 2020 3:47 am
Operator : VOA105:NLK
Sample : WG1372229-6,31,0.250,10,,a
Misc : WG1372229,ICAL16595
ALS Vial : 26 Sample Multiplier: 1

Quant Time: May 19 09:58:20 2020
Quant Method : I:\VOLATILES\VOA105\2020\200518N\V105_200313N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Mar 15 01:23:14 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2020\200518N\V05200518N01.d
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1,1,1-Trichloroethane	5.244	97	463956	12.208	ug/L	98
39) 2-Butanone	5.352	43	51620	11.404	ug/L	92
41) Benzene	5.616	78	1002813	11.144	ug/L	98
44) 1,2-Dichloroethane	5.831	62	312917	11.717	ug/L	98
47) Methyl cyclohexane	6.183	83	431819	10.942	ug/L	87
48) Trichloroethene	6.203	95	2794004	109.206	ug/L	95
51) 1,2-Dichloropropane	6.760	63	221973	10.429	ug/L	96
54) Bromodichloromethane	6.829	83	332966	11.131	ug/L	98
57) 1,4-Dioxane	7.044	88	83742	771.144	ug/L	96
58) cis-1,3-Dichloropropene	7.513	75	327389	9.279	ug/L	95
61) Toluene	7.768	92	623140	10.720	ug/L	98
62) 4-Methyl-2-pentanone	8.218	58	41650	9.651	ug/L	96
63) Tetrachloroethene	8.218	166	294520	10.647	ug/L	96
65) trans-1,3-Dichloropropene	8.266	75	266462	9.420	ug/L	92
68) 1,1,2-Trichloroethane	8.452	83	155266	11.762	ug/L	97
69) Chlorodibromomethane	8.658	129	222768	10.518	ug/L	98
71) 1,2-Dibromoethane	8.942	107	173995	11.230	ug/L	100
72) 2-Hexanone	9.226	43	66816	9.240	ug/L	96
73) Chlorobenzene	9.578	112	638241	10.250	ug/L	98
74) Ethylbenzene	9.608	91	1185961	10.786	ug/L	98
76) p/m Xylene	9.794	106	857960	19.783	ug/L	93
77) o Xylene	10.333	106	823827	19.755	ug/L	94
78) Styrene	10.411	104	1300913	20.063	ug/L	95
80) Bromoform	10.440	173	118036	10.389	ug/L	97
82) Isopropylbenzene	10.715	105	1120732	9.643	ug/L	97
87) 1,1,2,2-Tetrachloroethane	11.303	83	192208	11.119	ug/L	99
100) 1,3-Dichlorobenzene	12.174	146	477858	9.350	ug/L	97
101) 1,4-Dichlorobenzene	12.272	146	478477	9.316	ug/L	98
104) 1,2-Dichlorobenzene	12.694	146	438278	9.717	ug/L	97
106) 1,2-Dibromo-3-chloropr...	13.477	155	21129	9.240	ug/L	93
109) 1,2,4-Trichlorobenzene	14.094	180	208364	7.425	ug/L	98
111) 1,2,3-Trichlorobenzene	14.555	180	153114	7.140	ug/L	99

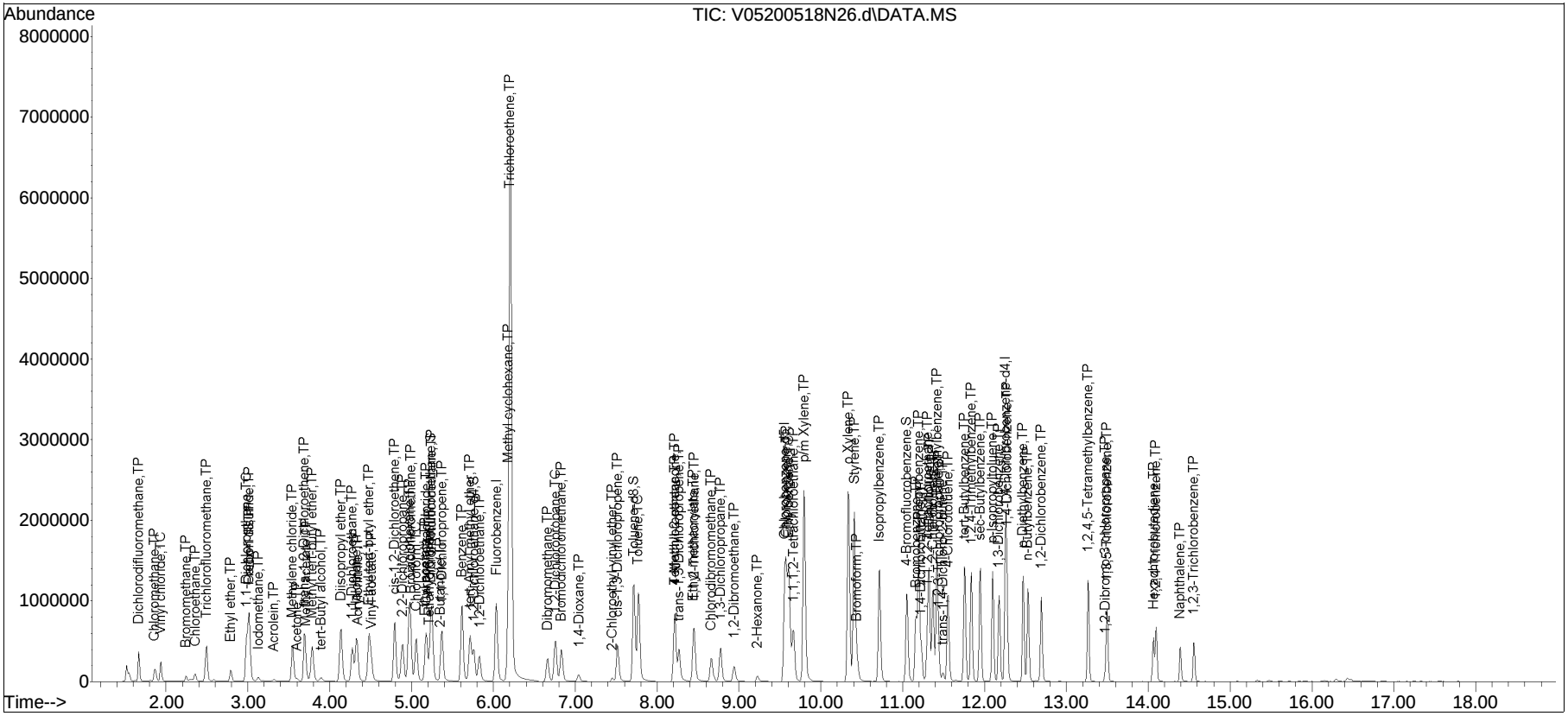
(#) = qualifier out of range (m) = manual integration (+) = signals summed

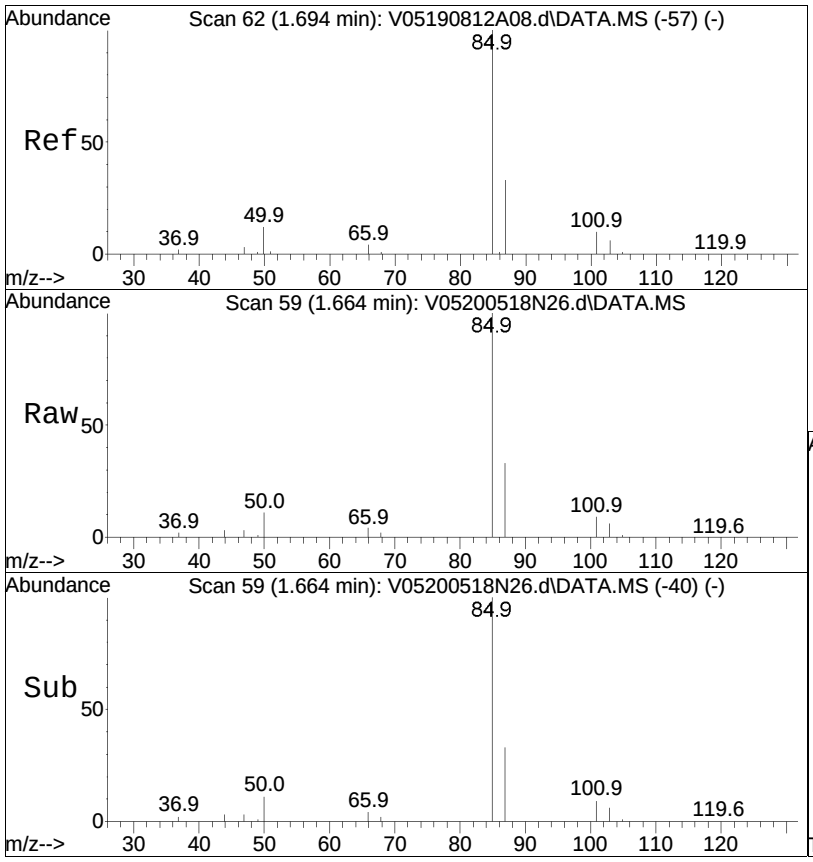
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2020\200518N\
Data File : V05200518N26.d
Acq On : 19 May 2020 3:47 am
Operator : VOA105:NLK
Sample : WG1372229-6,31,0.250,10,,a
Misc : WG1372229,ICAL16595
ALS Vial : 26 Sample Multiplier: 1

Quant Time: May 19 09:58:20 2020
Quant Method : I:\VOLATILES\VOA105\2020\200518N\V105_200313N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Mar 15 01:23:14 2020
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox00518N\V05200518N01.d•

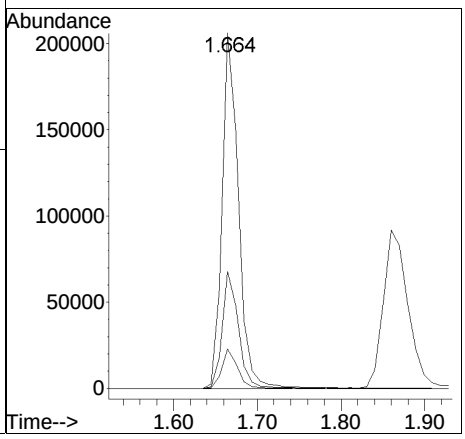


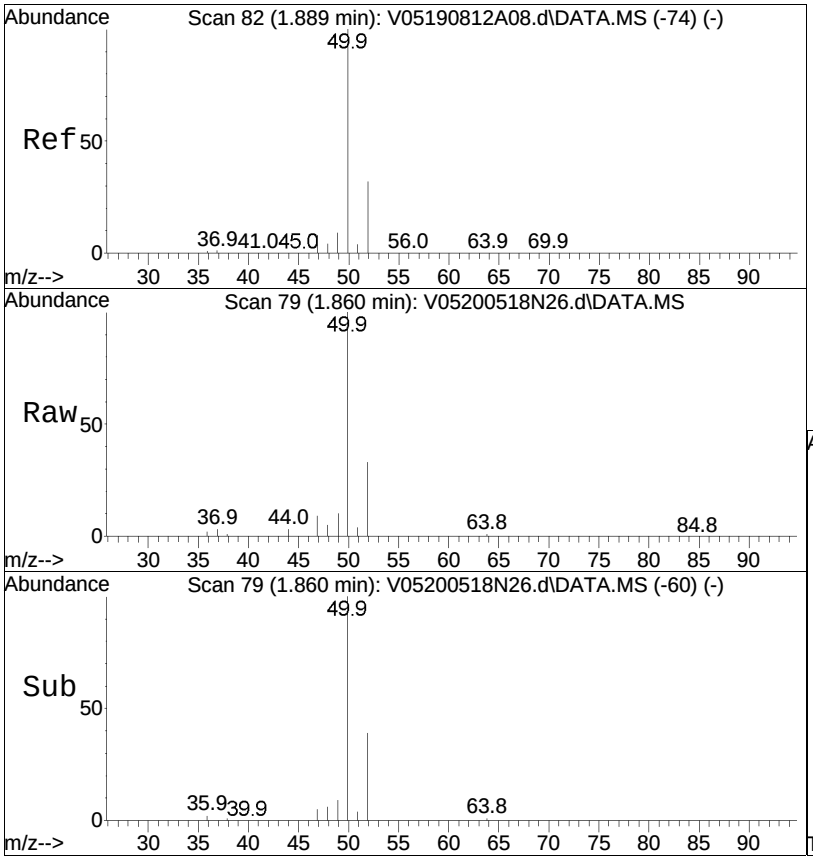


#2
Dichlorodifluoromethane
Concen: 12.89 ug/L
RT: 1.664 min Scan# 59
Delta R.T. -0.010 min
Lab File: V05200518N26.d
Acq: 19 May 2020 3:47 am

Tgt Ion: 85 Resp: 281378

Ion	Ratio	Lower	Upper
85	100		
87	32.6	20.9	43.5
50	10.6	6.8	14.0

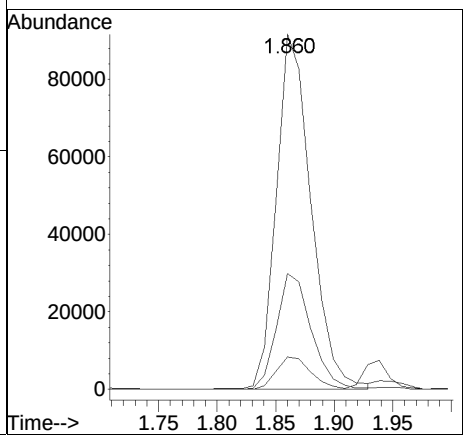


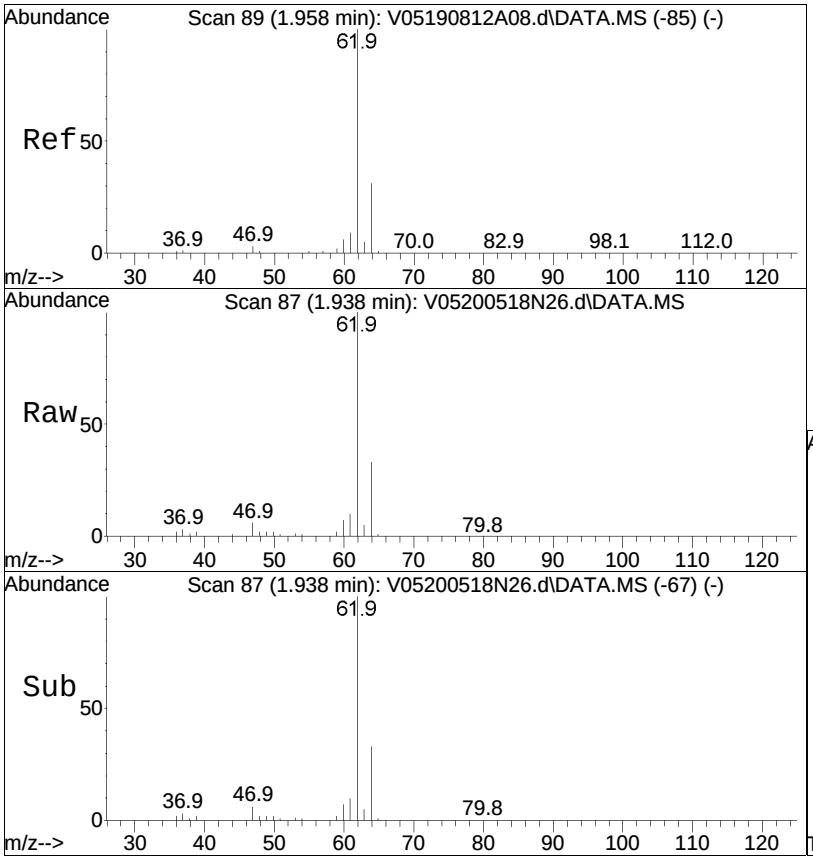


#3
Chloromethane
Concen: 8.94 ug/L
RT: 1.860 min Scan# 79
Delta R.T. -0.010 min
Lab File: V05200518N26.d
Acq: 19 May 2020 3:47 am

Tgt Ion: 50 Resp: 189025

Ion	Ratio	Lower	Upper
50	100		
52	32.6	12.6	52.6
47	9.2	0.0	30.1

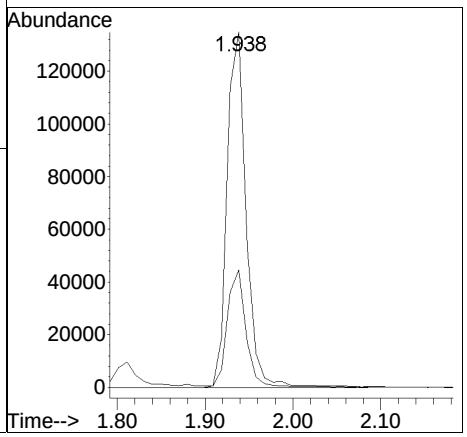


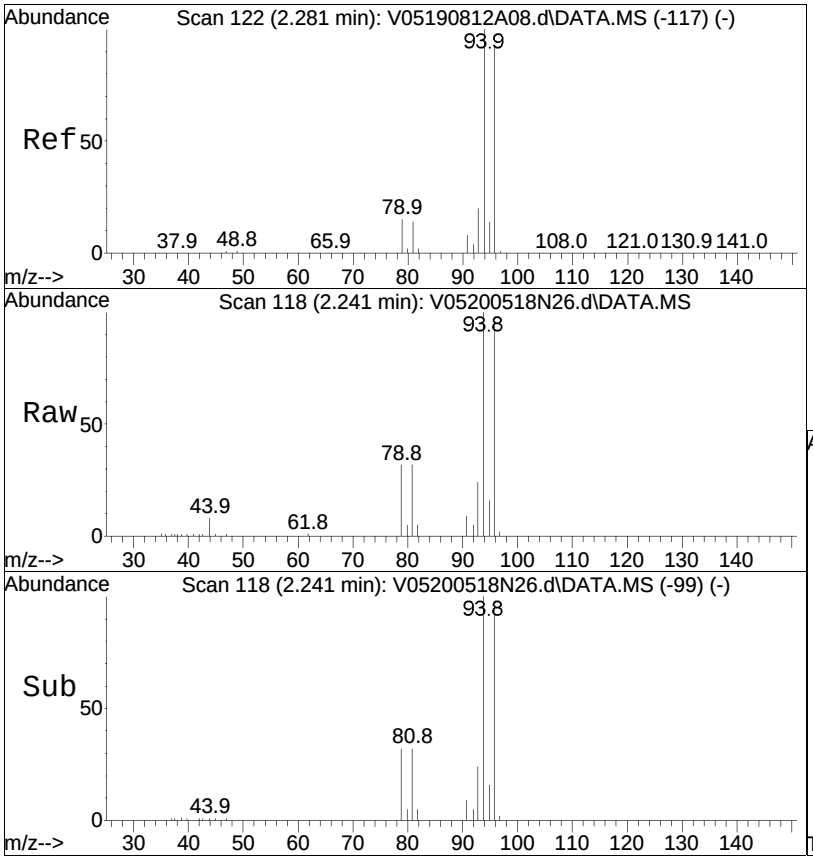


#4
Vinyl chloride
Concen: 7.68 ug/L
RT: 1.938 min Scan# 87
Delta R.T. 0.000 min
Lab File: V05200518N26.d
Acq: 19 May 2020 3:47 am

Tgt Ion: 62 Resp: 203879

Ion	Ratio	Lower	Upper
62	100		
64	33.0	13.5	53.5

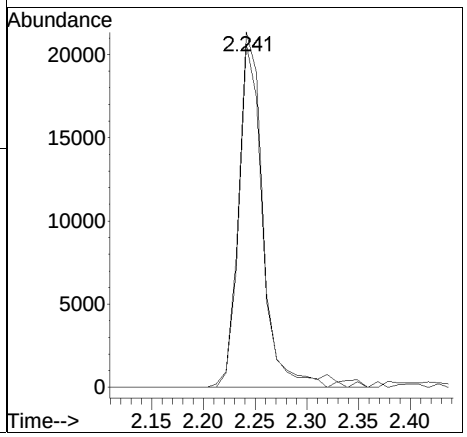


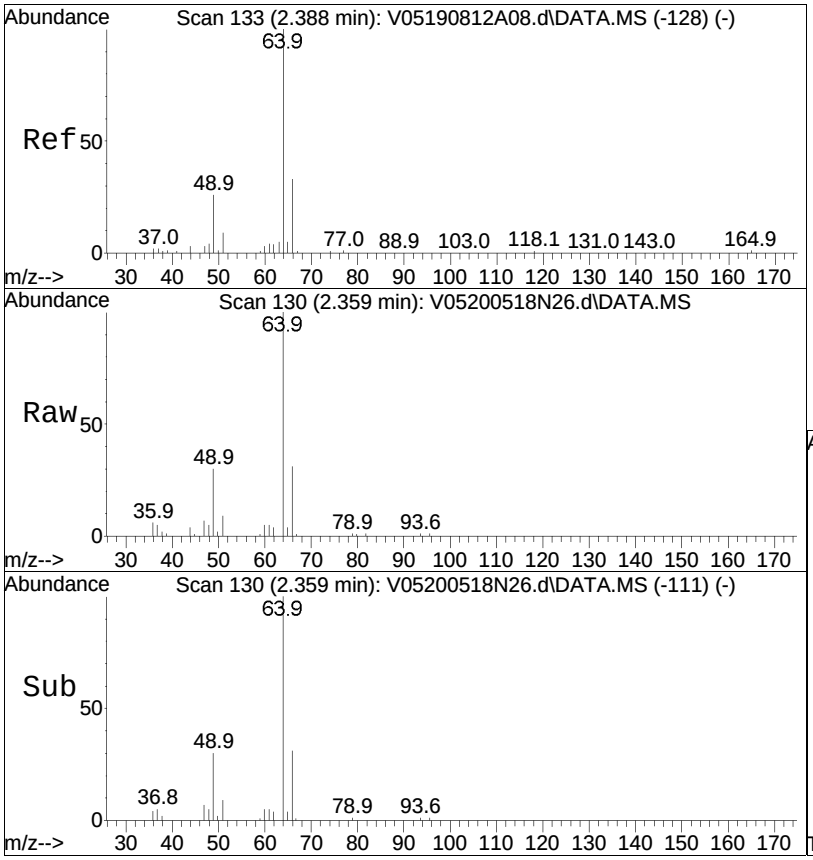


#5
Bromomethane
Concen: 2.46 ug/L
RT: 2.241 min Scan# 118
Delta R.T. -0.010 min
Lab File: V05200518N26.d
Acq: 19 May 2020 3:47 am

Tgt Ion: 94 Resp: 35951

Ion	Ratio	Lower	Upper
94	100		
96	91.3	75.4	115.4

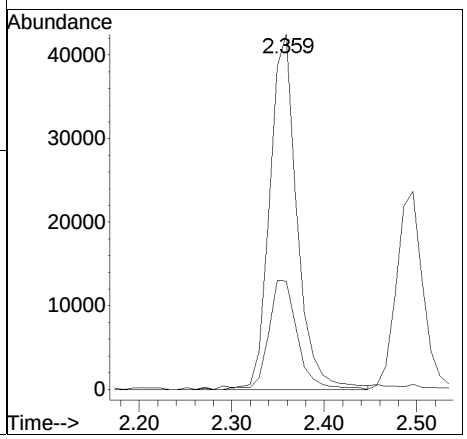


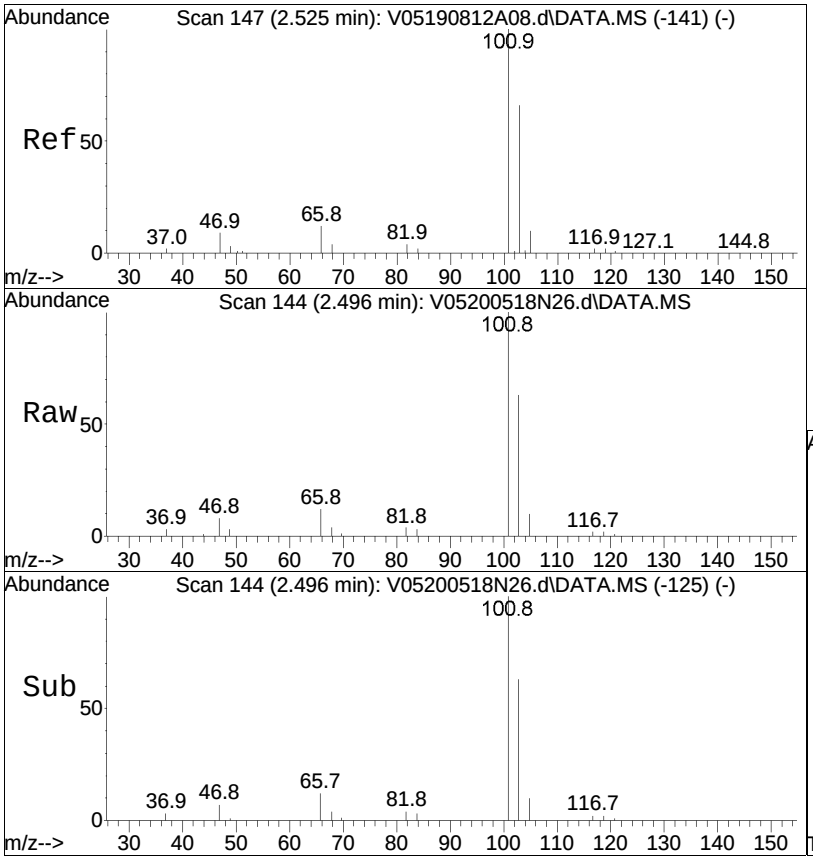


#6
Chloroethane
Concen: 6.65 ug/L
RT: 2.359 min Scan# 130
Delta R.T. -0.010 min
Lab File: V05200518N26.d
Acq: 19 May 2020 3:47 am

Tgt Ion: 64 Resp: 87303

Ion	Ratio	Lower	Upper
64	100		
66	32.2	13.8	53.8

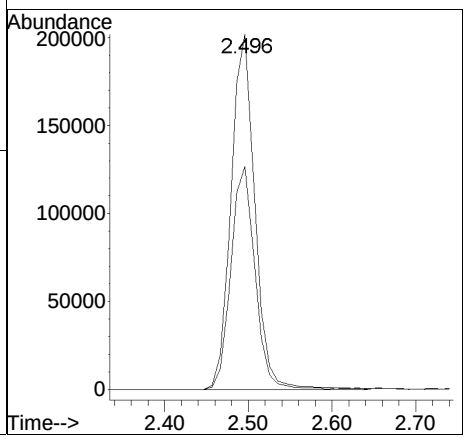


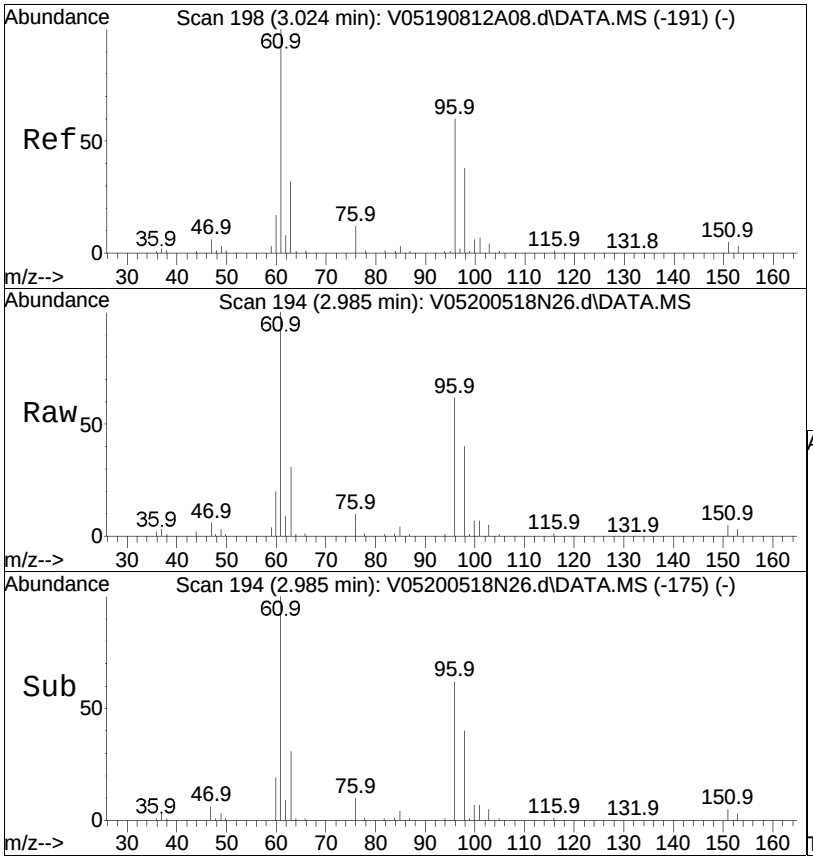


#7
Trichlorofluoromethane
Concen: 10.47 ug/L
RT: 2.496 min Scan# 144
Delta R.T. -0.010 min
Lab File: V05200518N26.d
Acq: 19 May 2020 3:47 am

Tgt Ion:101 Resp: 399555

Ion	Ratio	Lower	Upper
101	100		
103	63.4	51.8	77.6

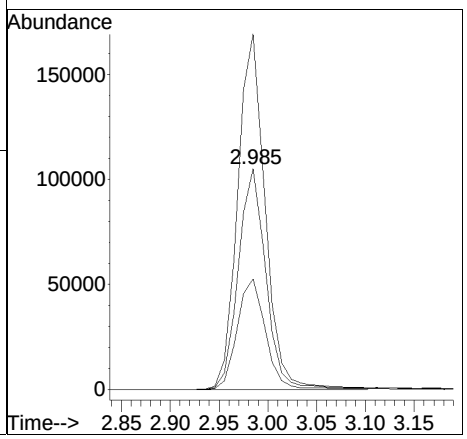


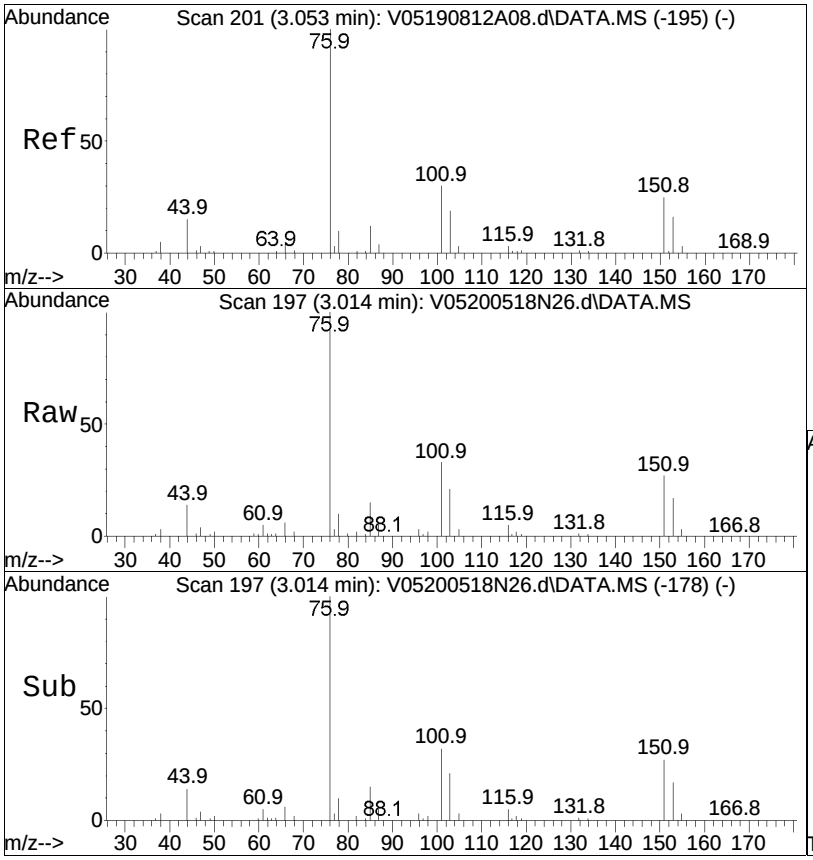


#10
1,1-Dichloroethene
Concen: 10.45 ug/L
RT: 2.985 min Scan# 194
Delta R.T. -0.010 min
Lab File: V05200518N26.d
Acq: 19 May 2020 3:47 am

Tgt Ion: 96 Resp: 206906

Ion	Ratio	Lower	Upper
96	100		
61	161.5	136.7	205.1
63	51.3	45.0	67.6

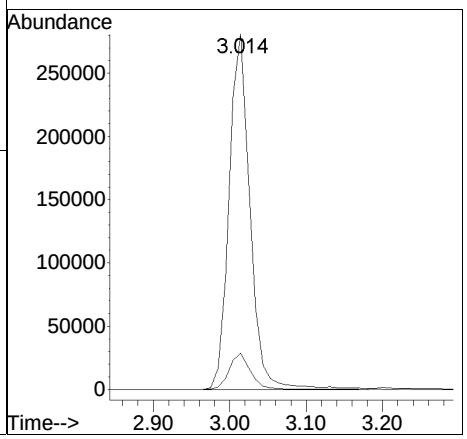


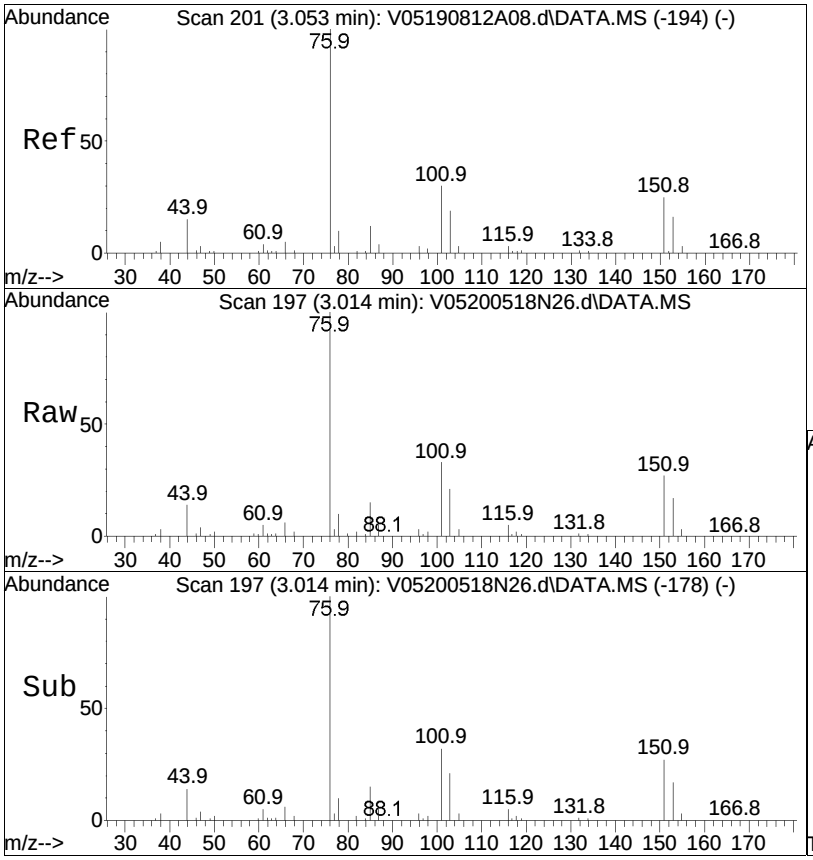


#11
Carbon disulfide
Concen: 9.90 ug/L
RT: 3.014 min Scan# 197
Delta R.T. -0.010 min
Lab File: V05200518N26.d
Acq: 19 May 2020 3:47 am

Tgt Ion: 76 Resp: 536572

Ion	Ratio	Lower	Upper
76	100		
78	10.5	6.7	13.9

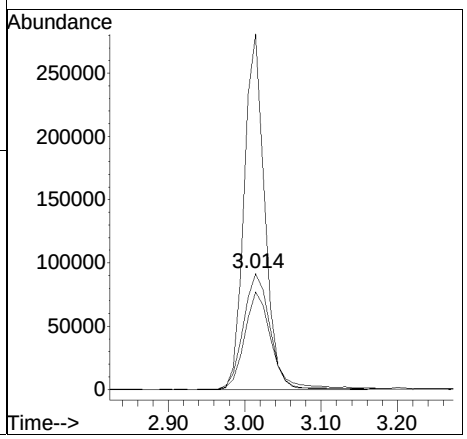


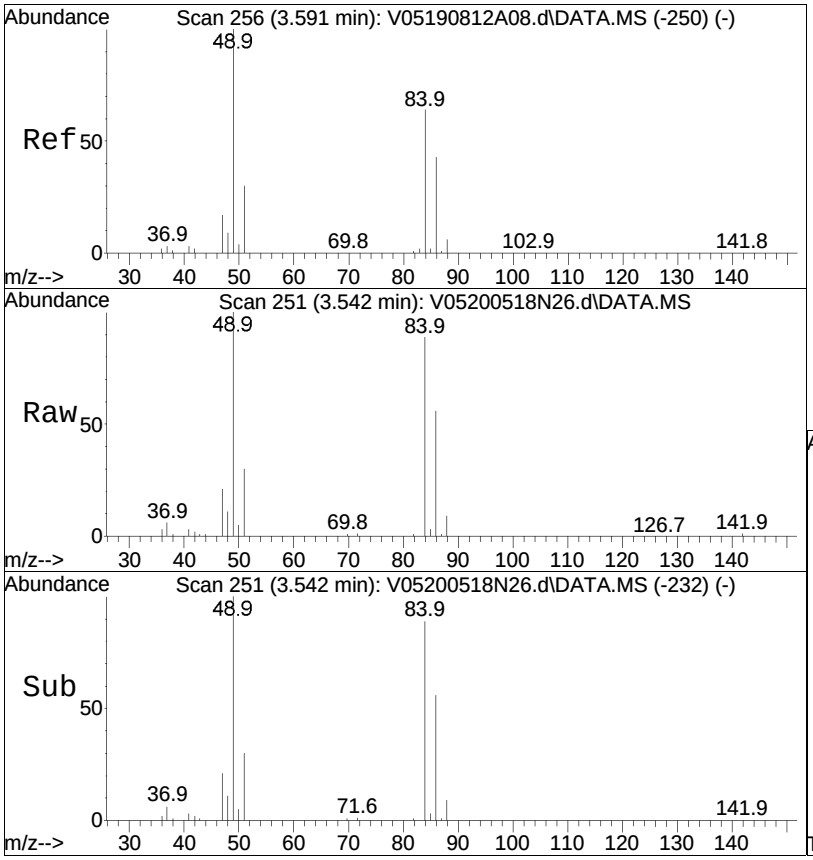


#12
Freon-113
Concen: 11.48 ug/L
RT: 3.014 min Scan# 197
Delta R.T. -0.010 min
Lab File: V05200518N26.d
Acq: 19 May 2020 3:47 am

Tgt Ion:101 Resp: 224657

Ion	Ratio	Lower	Upper
101	100		
151	81.2	65.0	97.6
76	238.8	190.0	285.0

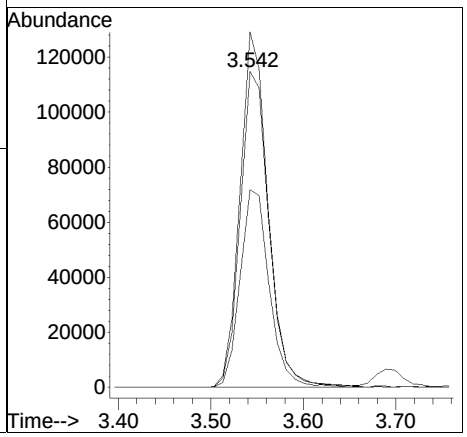


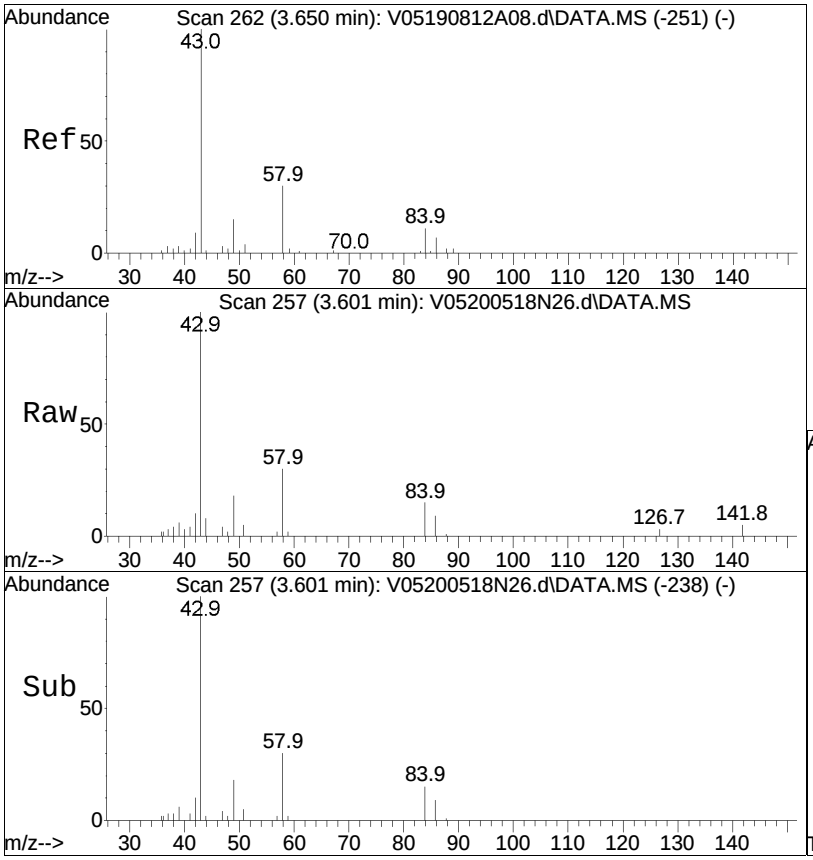


#15
Methylene chloride
Concen: 11.41 ug/L
RT: 3.542 min Scan# 251
Delta R.T. -0.010 min
Lab File: V05200518N26.d
Acq: 19 May 2020 3:47 am

Tgt Ion: 84 Resp: 248758

Ion	Ratio	Lower	Upper
84	100		
86	63.7	42.1	87.5
49	109.7	69.3	143.9

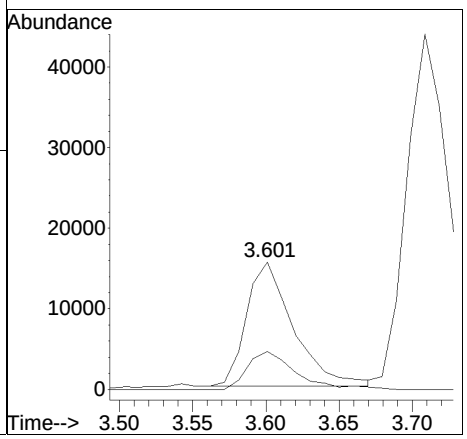


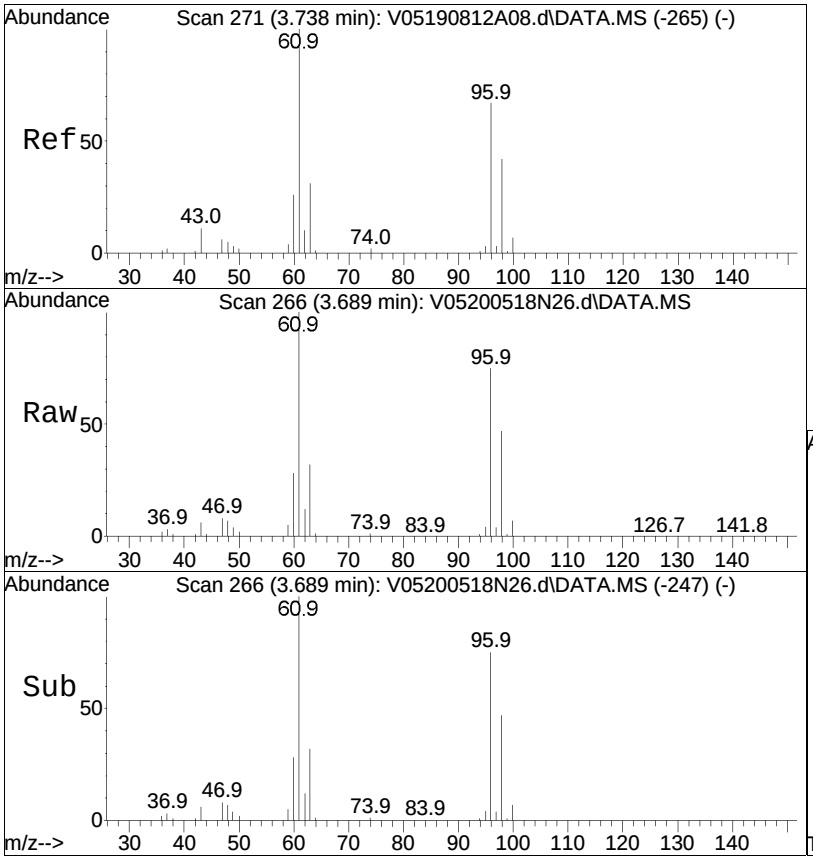


#17
Acetone
Concen: 11.06 ug/L
RT: 3.601 min Scan# 257
Delta R.T. -0.010 min
Lab File: V05200518N26.d
Acq: 19 May 2020 3:47 am

Tgt Ion: 43 Resp: 34388

Ion	Ratio	Lower	Upper
43	100		
58	31.4	22.0	33.0

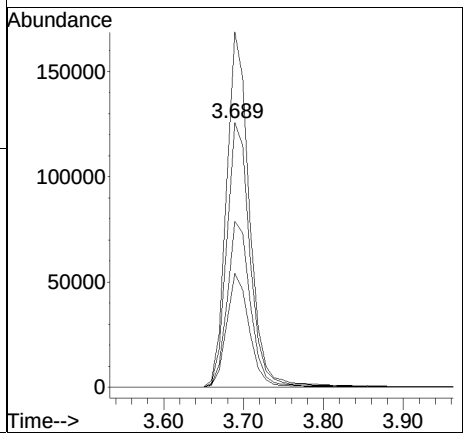


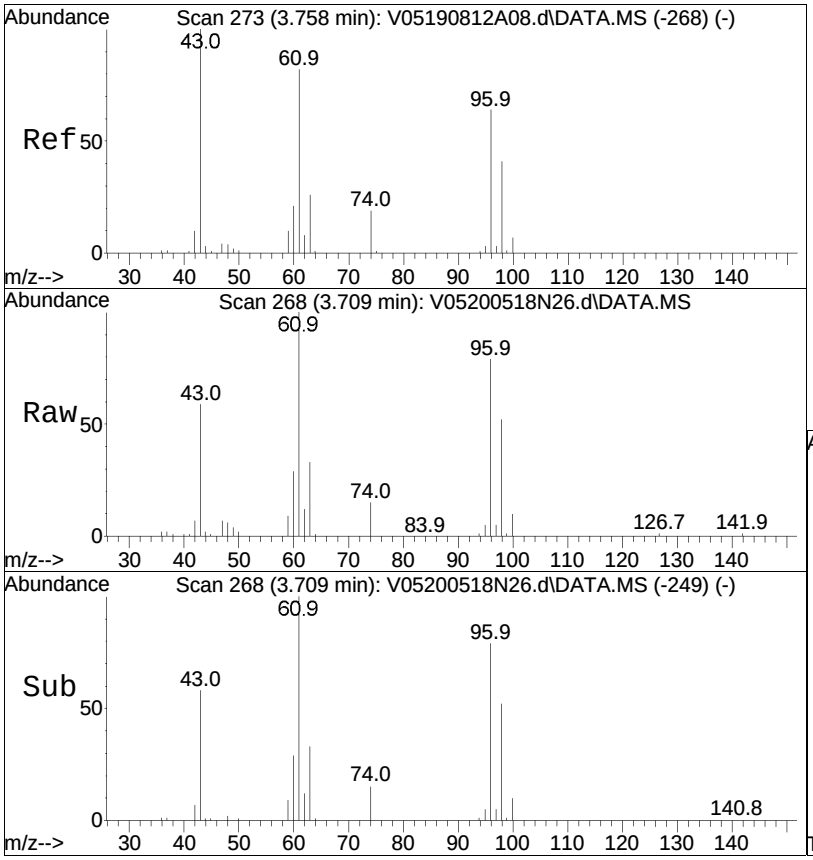


#18
trans-1,2-Dichloroethene
Concen: 11.59 ug/L
RT: 3.689 min Scan# 266
Delta R.T. -0.010 min
Lab File: V05200518N26.d
Acq: 19 May 2020 3:47 am

Tgt Ion: 96 Resp: 257773

Ion	Ratio	Lower	Upper
96	100		
61	132.0	91.7	190.5
98	62.8	41.1	85.5
63	42.5	29.4	61.0

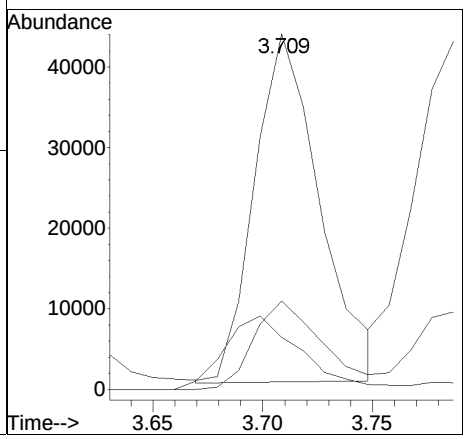


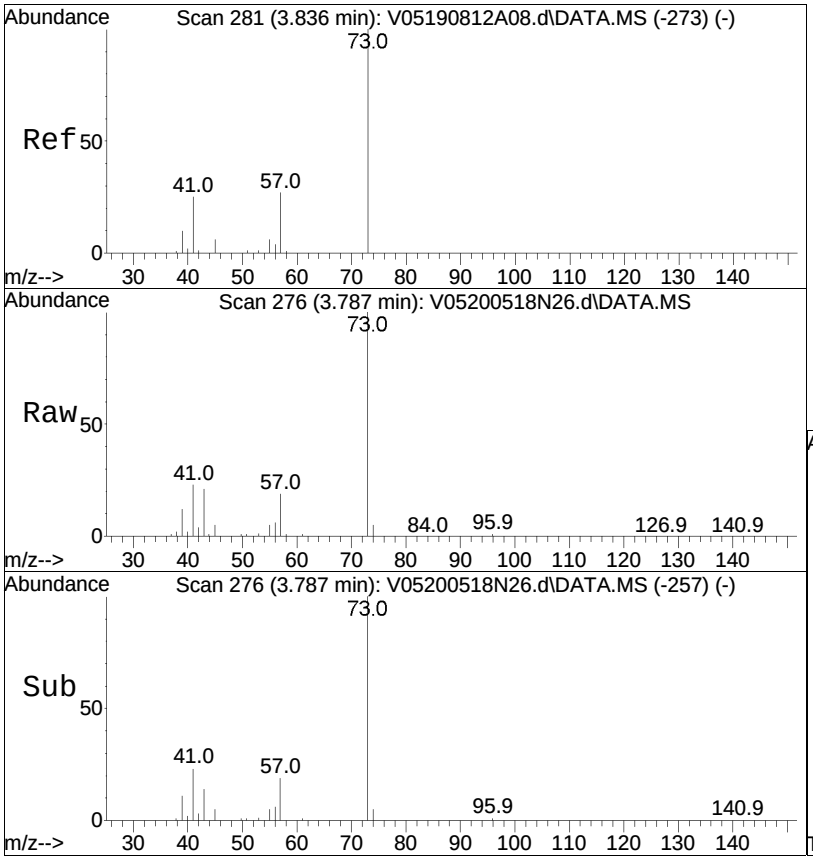


#19
Methyl acetate
Concen: 10.35 ug/L
RT: 3.709 min Scan# 268
Delta R.T. -0.009 min
Lab File: V05200518N26.d
Acq: 19 May 2020 3:47 am

Tgt Ion: 43 Resp: 89623

Ion	Ratio	Lower	Upper
43	100		
74	26.4	23.1	34.7
59	24.9	23.9	35.9

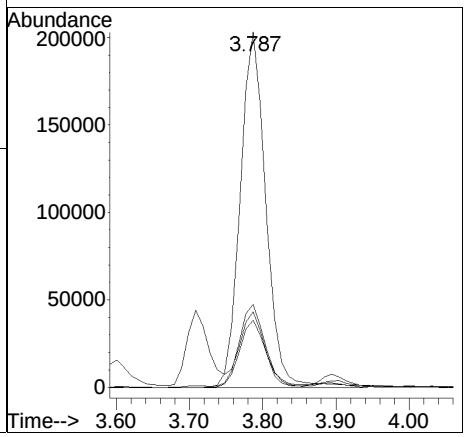


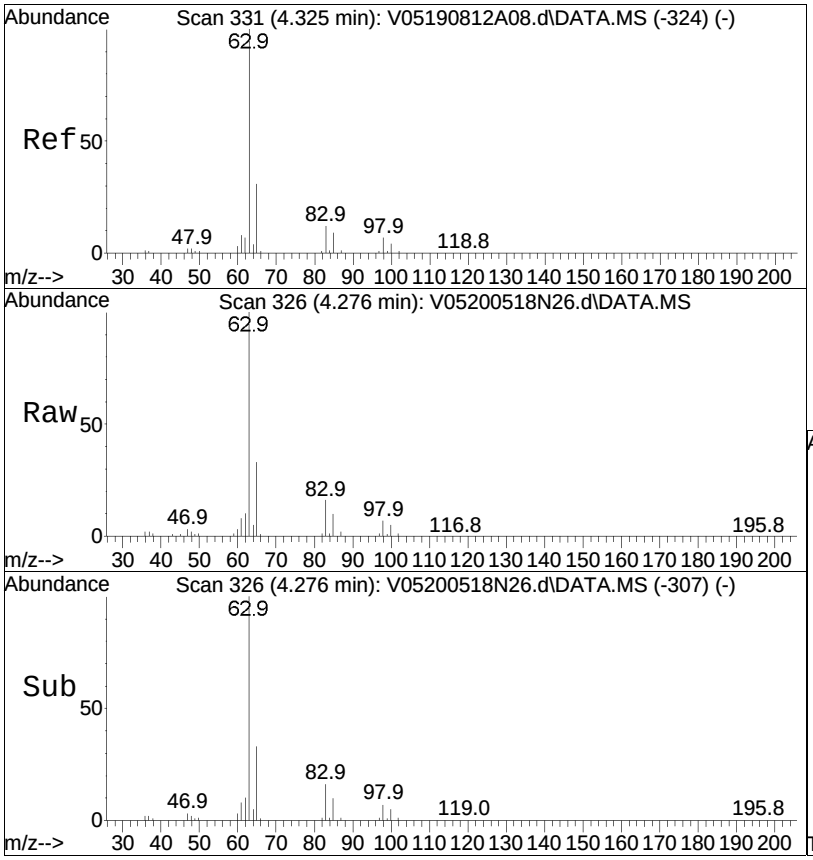


#20
Methyl tert-butyl ether
Concen: 10.36 ug/L
RT: 3.787 min Scan# 276
Delta R.T. -0.010 min
Lab File: V05200518N26.d
Acq: 19 May 2020 3:47 am

Tgt Ion: 73 Resp: 496387

Ion	Ratio	Lower	Upper
73	100		
57	19.1	11.8	24.6
43	20.3	13.5	27.9
41	23.1	13.3	27.5

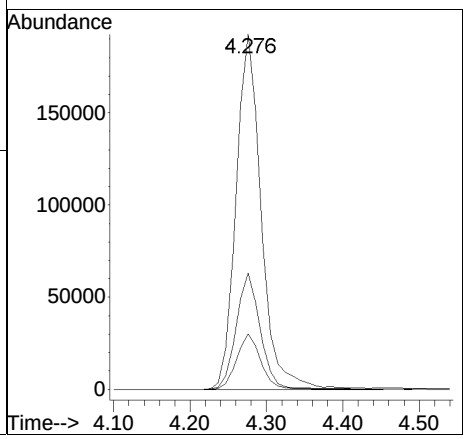


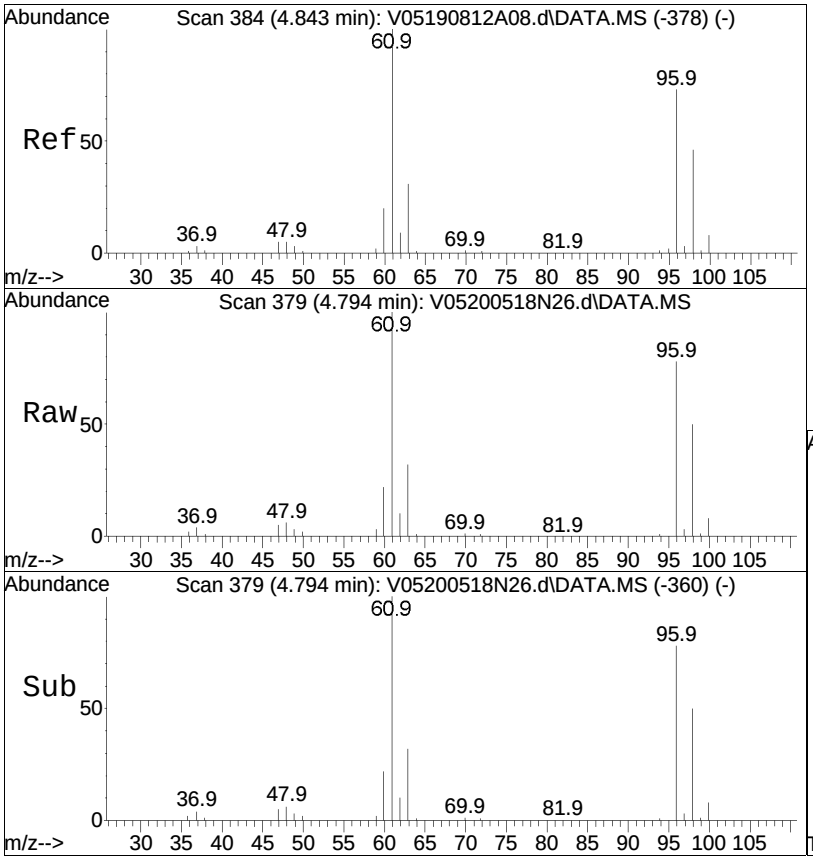


#23
1,1-Dichloroethane
Concen: 11.29 ug/L
RT: 4.276 min Scan# 326
Delta R.T. -0.010 min
Lab File: V05200518N26.d
Acq: 19 May 2020 3:47 am

Tgt Ion: 63 Resp: 442682

Ion	Ratio	Lower	Upper
63	100		
65	31.4	11.9	51.9
83	15.0	0.0	34.2

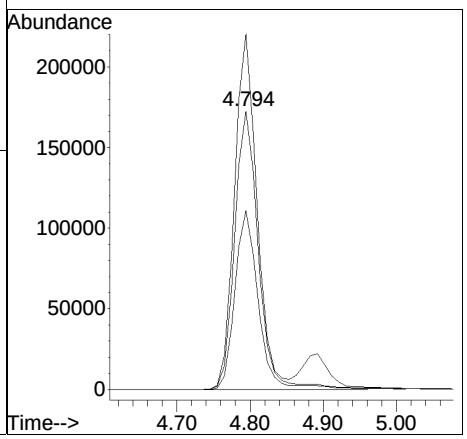


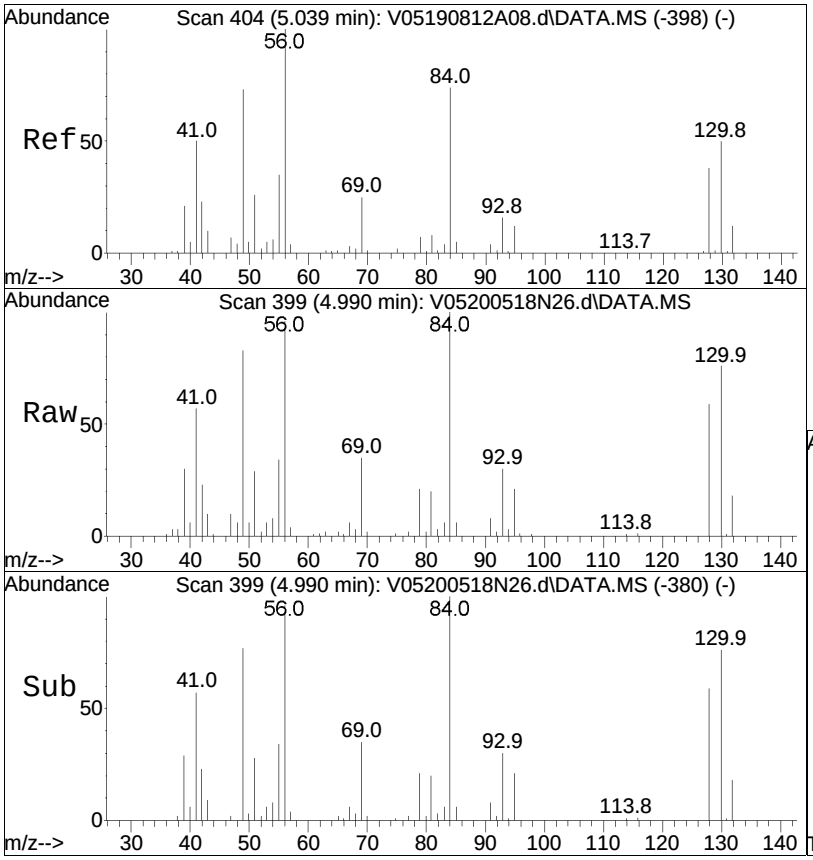


#28
cis-1,2-Dichloroethene
Concen: 16.20 ug/L
RT: 4.794 min Scan# 379
Delta R.T. -0.010 min
Lab File: V05200518N26.d
Acq: 19 May 2020 3:47 am

Tgt Ion: 96 Resp: 389917

Ion	Ratio	Lower	Upper
96	100		
61	120.7	100.5	150.7
98	61.4	49.8	74.8

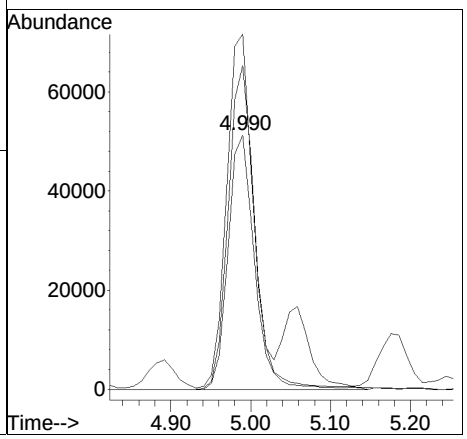


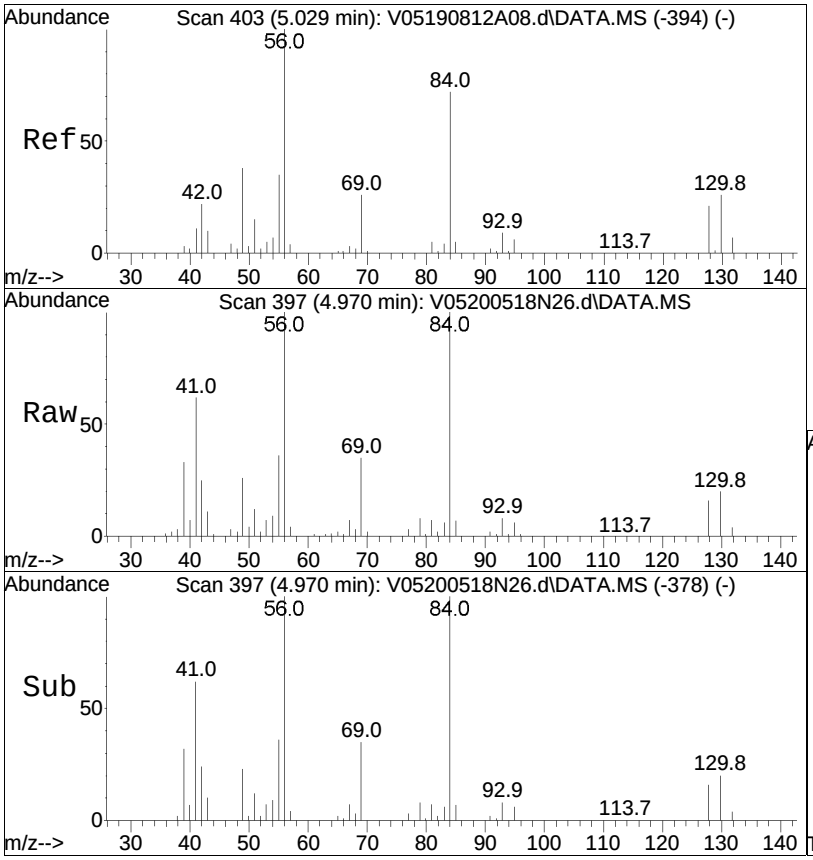


#30
Bromochloromethane
Concen: 10.90 ug/L
RT: 4.990 min Scan# 399
Delta R.T. -0.010 min
Lab File: V05200518N26.d
Acq: 19 May 2020 3:47 am

Tgt Ion:128 Resp: 118793

Ion	Ratio	Lower	Upper
128	100		
49	137.5	109.0	163.4
130	128.7	105.6	158.4

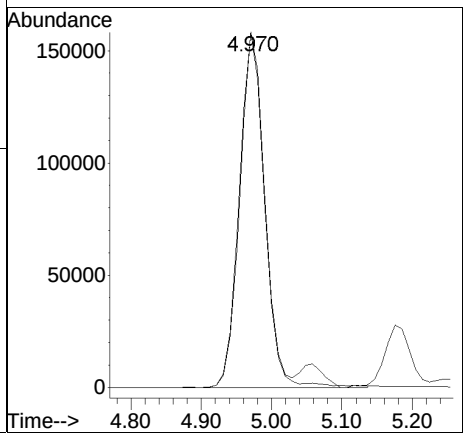


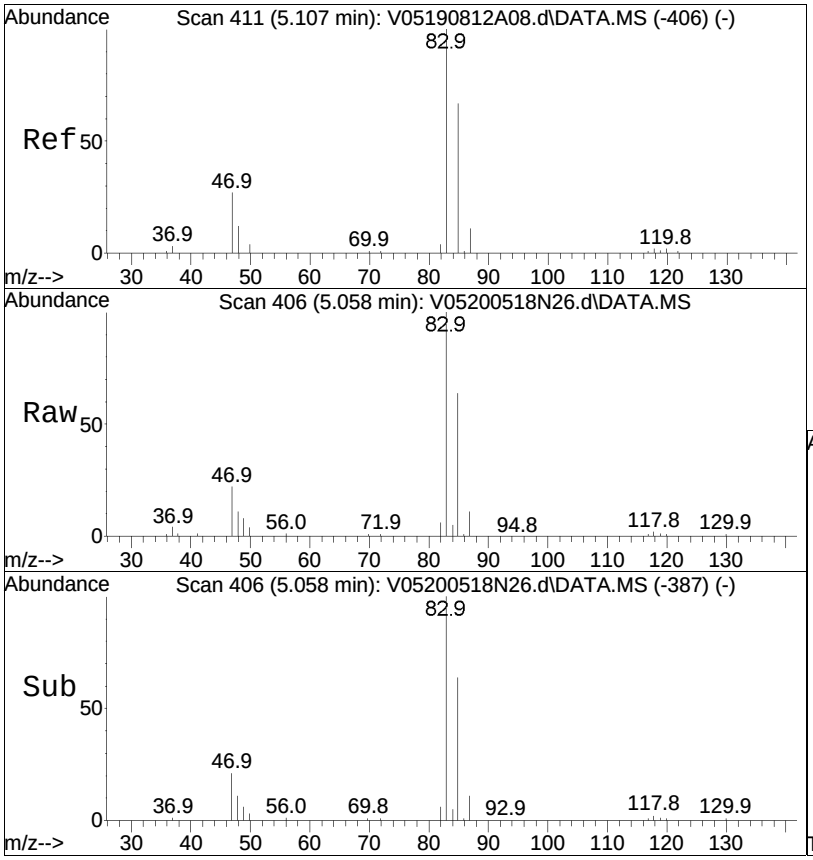


#31
Cyclohexane
Concen: 11.46 ug/L
RT: 4.970 min Scan# 397
Delta R.T. -0.010 min
Lab File: V05200518N26.d
Acq: 19 May 2020 3:47 am

Tgt Ion: 56 Resp: 395466

Ion	Ratio	Lower	Upper
56	100		
84	98.2	64.4	133.8

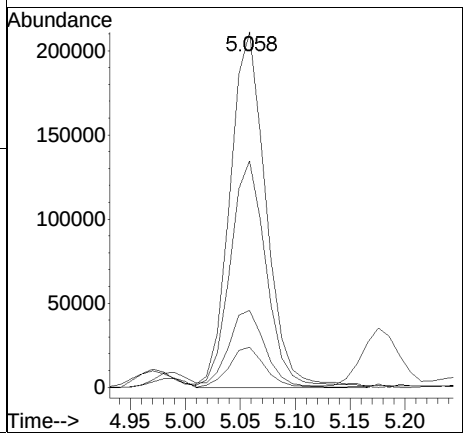


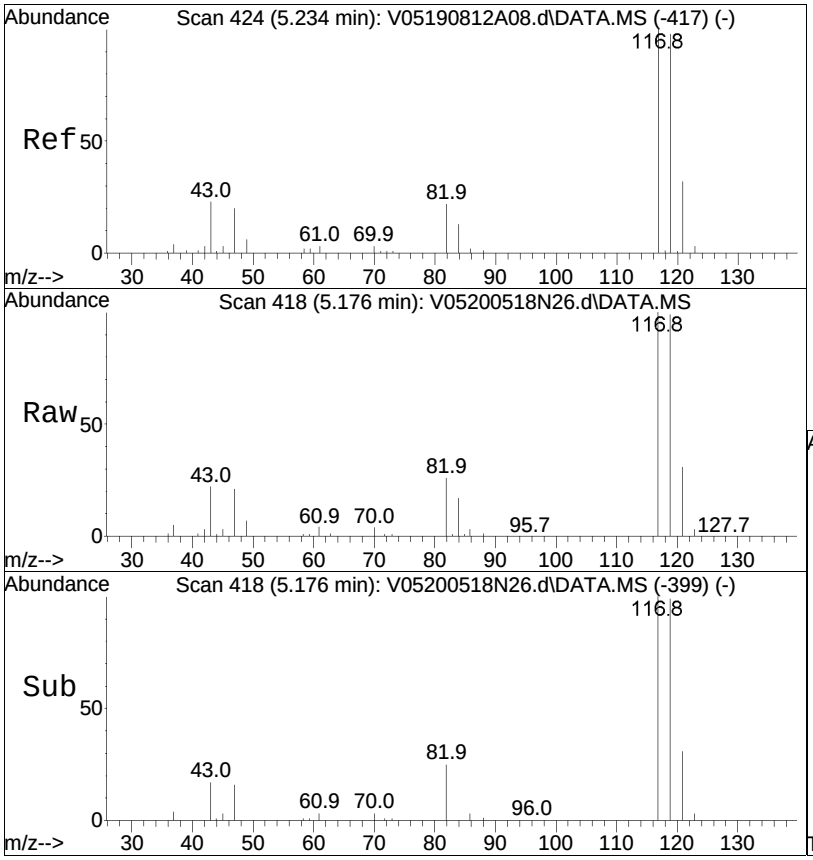


#32
Chloroform
Concen: 12.18 ug/L
RT: 5.058 min Scan# 406
Delta R.T. -0.010 min
Lab File: V05200518N26.d
Acq: 19 May 2020 3:47 am

Tgt Ion: 83 Resp: 482712

Ion	Ratio	Lower	Upper
83	100		
85	64.0	42.8	89.0
47	20.6	13.7	28.4
48	11.4	6.9	14.3

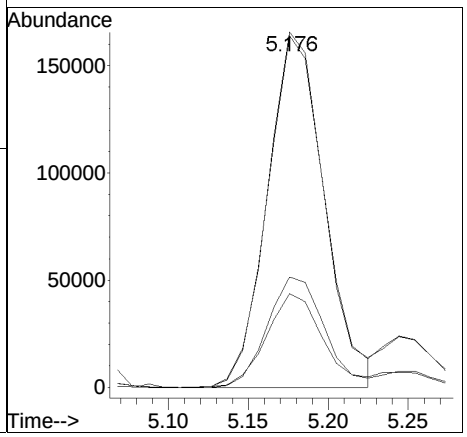


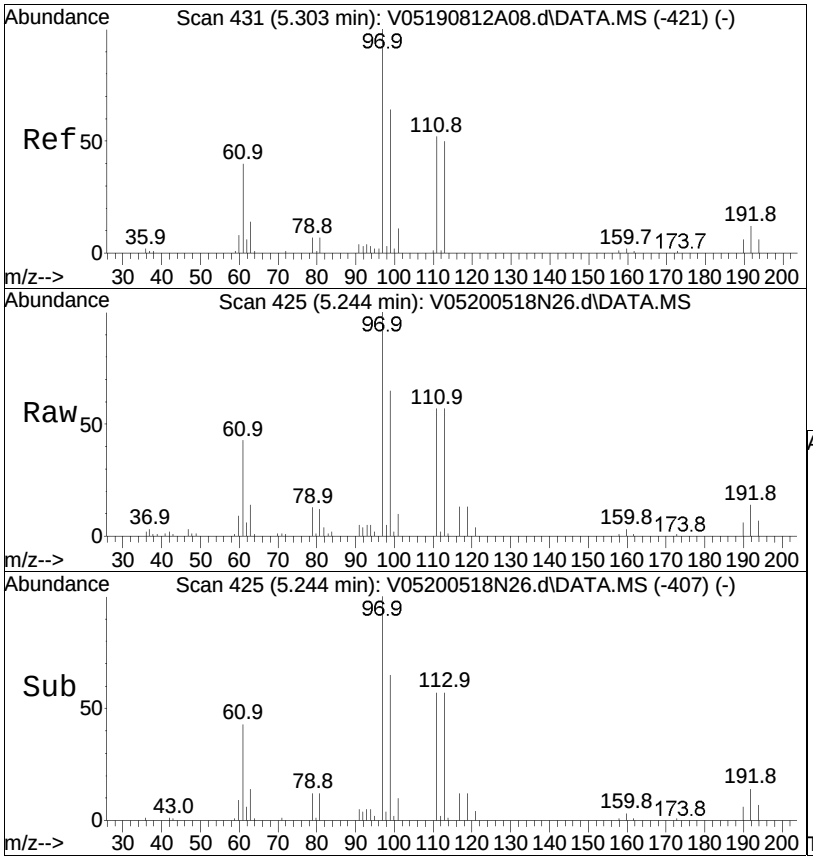


#34
Carbon tetrachloride
Concen: 11.51 ug/L
RT: 5.176 min Scan# 418
Delta R.T. -0.010 min
Lab File: V05200518N26.d
Acq: 19 May 2020 3:47 am

Tgt Ion:117 Resp: 409090

Ion	Ratio	Lower	Upper
117	100		
119	99.4	63.6	132.2
121	31.2	19.8	41.0
82	26.6	15.9	32.9

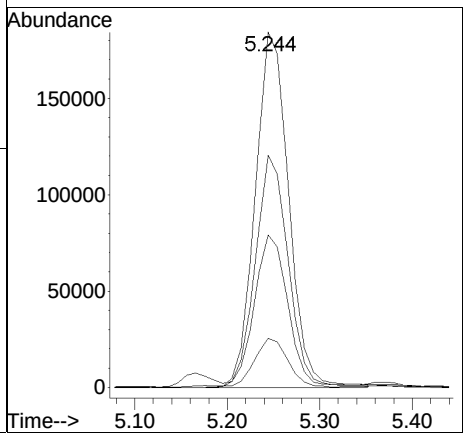


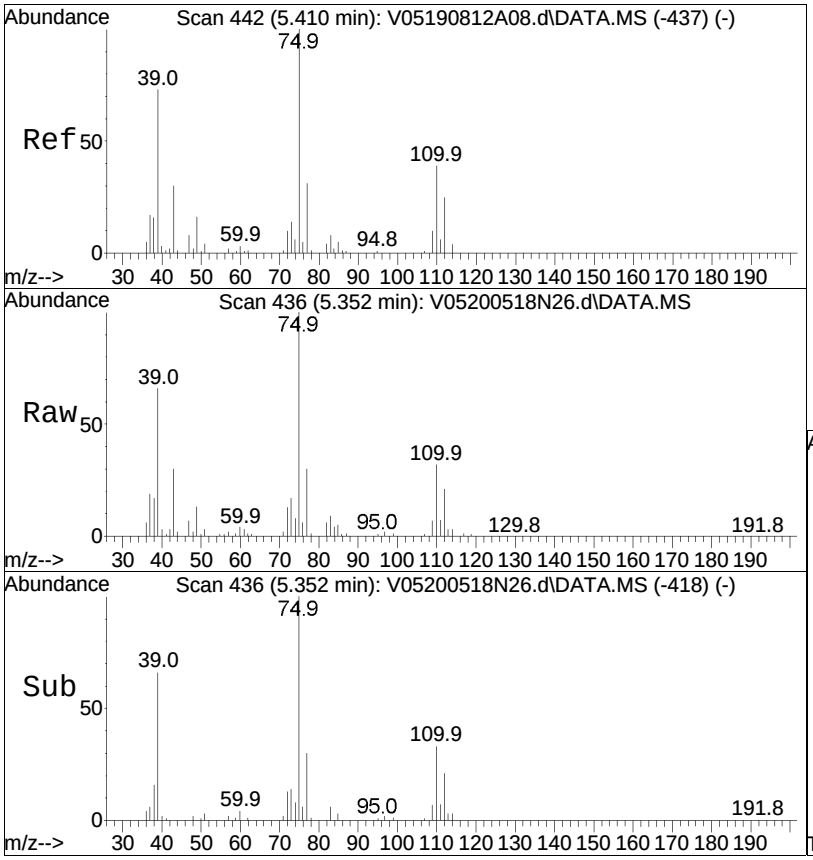


#37
1,1,1-Trichloroethane
Concen: 12.21 ug/L
RT: 5.244 min Scan# 425
Delta R.T. -0.020 min
Lab File: V05200518N26.d
Acq: 19 May 2020 3:47 am

Tgt Ion: 97 Resp: 463956

Ion	Ratio	Lower	Upper
97	100		
99	64.9	41.7	86.5
61	42.6	26.1	54.3
63	13.9	8.5	17.6

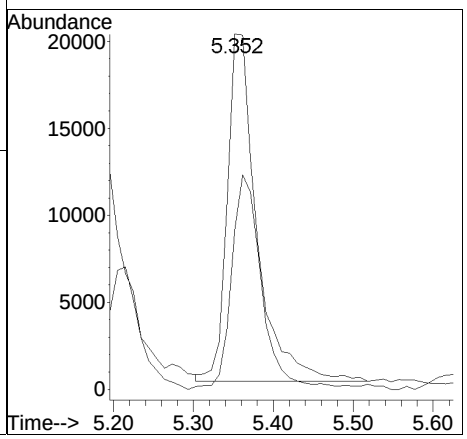


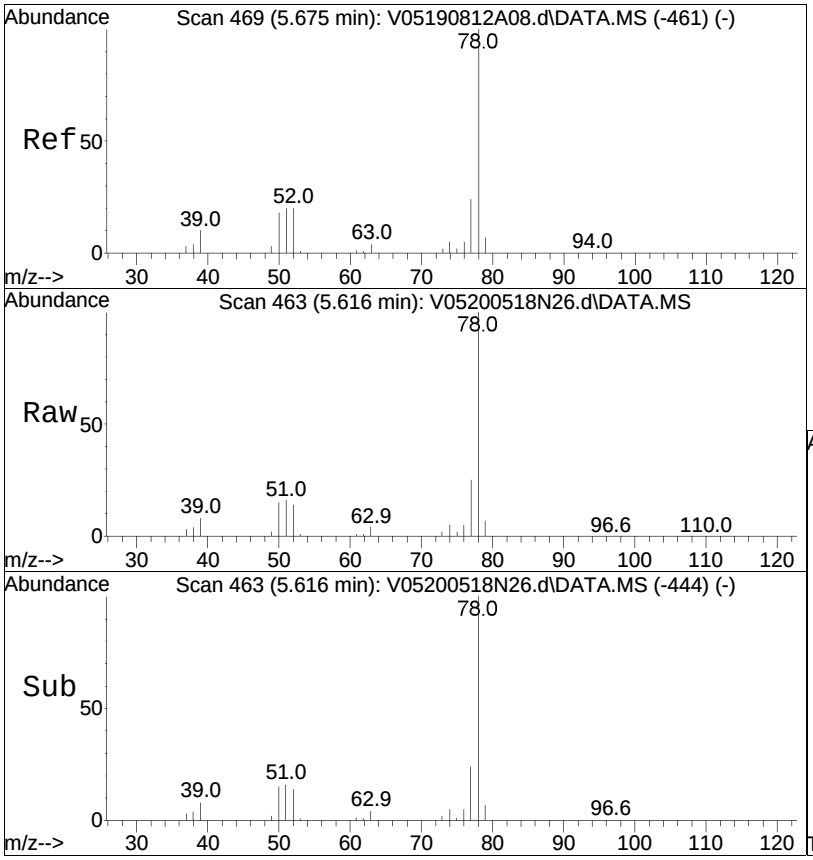


#39
2-Butanone
Concen: 11.40 ug/L
RT: 5.352 min Scan# 436
Delta R.T. -0.019 min
Lab File: V05200518N26.d
Acq: 19 May 2020 3:47 am

Tgt Ion: 43 Resp: 51620

Ion	Ratio	Lower	Upper
43	100		
72	63.0	55.6	83.4

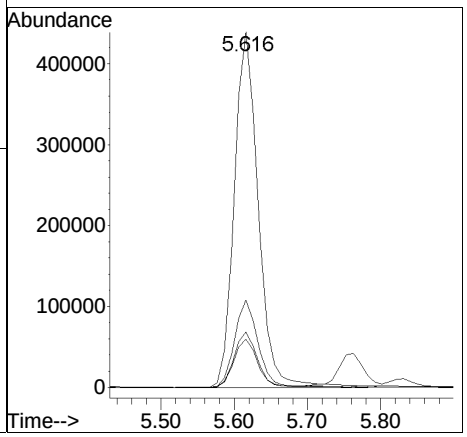


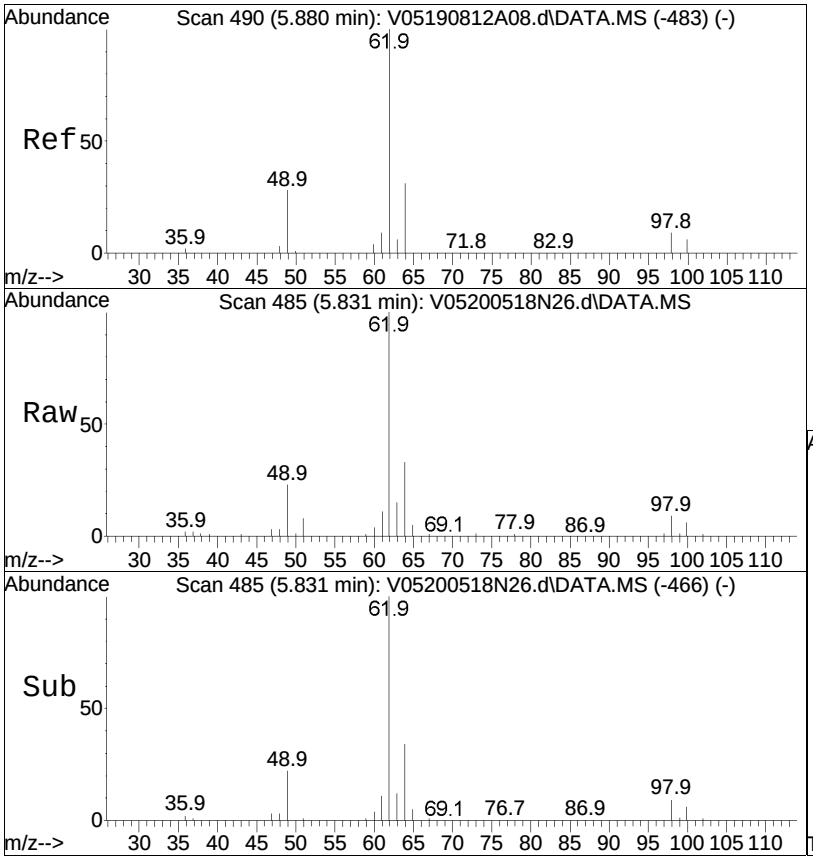


#41
Benzene
Concen: 11.14 ug/L
RT: 5.616 min Scan# 463
Delta R.T. -0.010 min
Lab File: V05200518N26.d
Acq: 19 May 2020 3:47 am

Tgt Ion: 78 Resp: 1002813

Ion	Ratio	Lower	Upper
78	100		
77	24.2	15.2	31.6
51	15.0	10.5	21.7
52	13.3	9.5	19.7

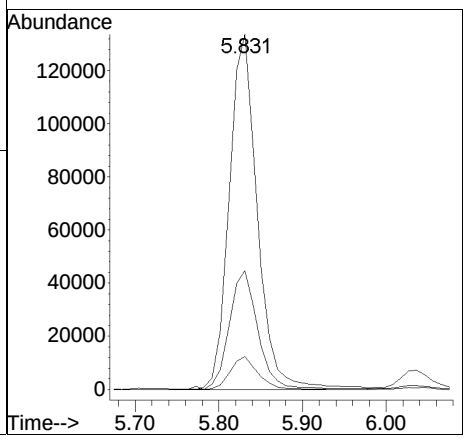


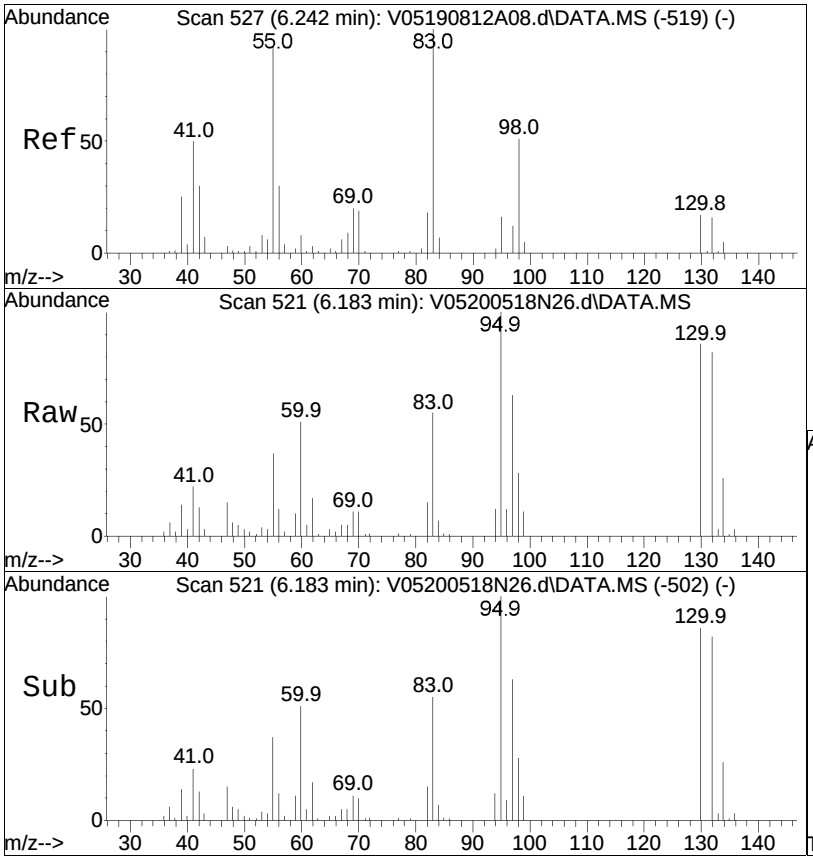


#44
1,2-Dichloroethane
Concen: 11.72 ug/L
RT: 5.831 min Scan# 485
Delta R.T. -0.010 min
Lab File: V05200518N26.d
Acq: 19 May 2020 3:47 am

Tgt Ion: 62 Resp: 312917

Ion	Ratio	Lower	Upper
62	100		
64	34.1	13.2	53.2
98	9.2	0.0	27.8

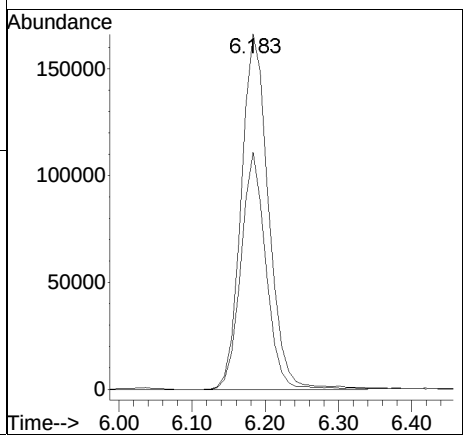


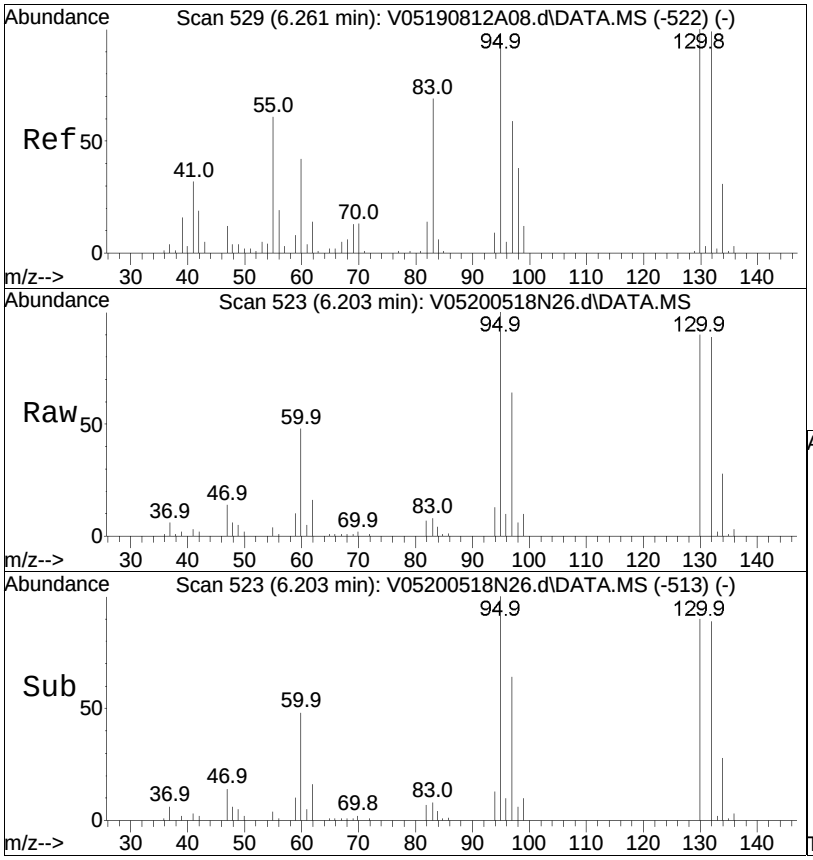


#47
Methyl cyclohexane
Concen: 10.94 ug/L
RT: 6.183 min Scan# 521
Delta R.T. -0.010 min
Lab File: V05200518N26.d
Acq: 19 May 2020 3:47 am

Tgt Ion: 83 Resp: 431819

Ion	Ratio	Lower	Upper
83	100		
55	61.1	57.3	85.9

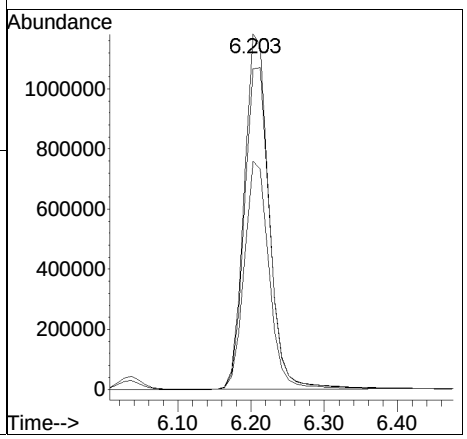


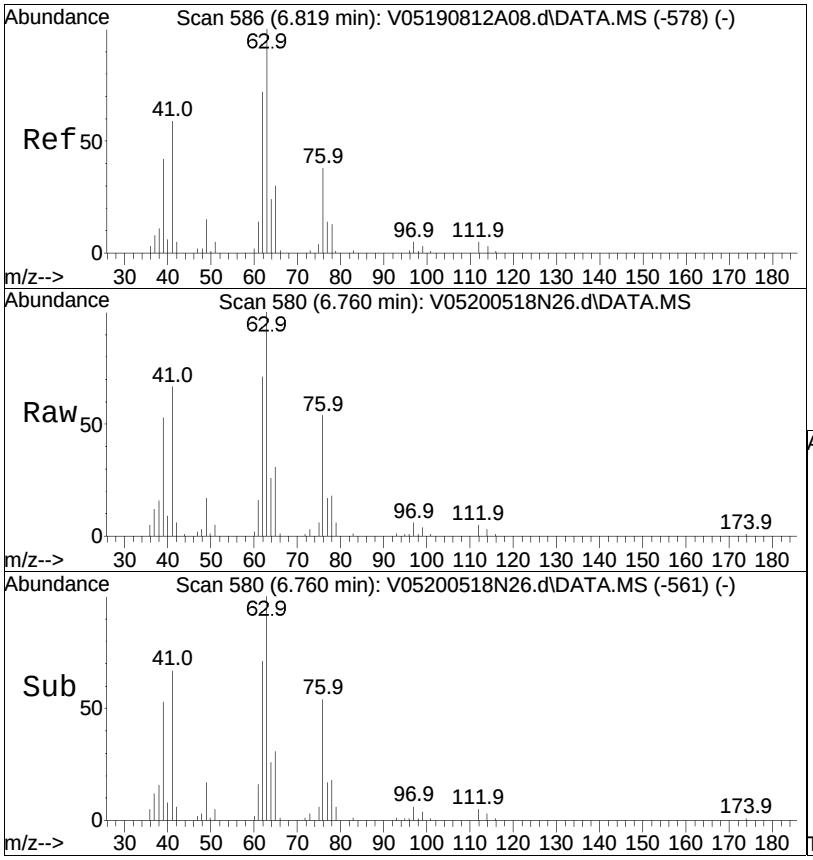


#48
Trichloroethene
Concen: 109.21 ug/L
RT: 6.203 min Scan# 523
Delta R.T. -0.019 min
Lab File: V05200518N26.d
Acq: 19 May 2020 3:47 am

Tgt Ion: 95 Resp: 2794004

Ion	Ratio	Lower	Upper
95	100		
97	64.4	56.1	84.1
130	93.1	77.7	116.5

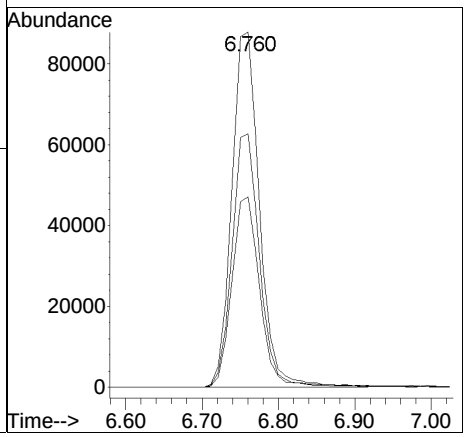


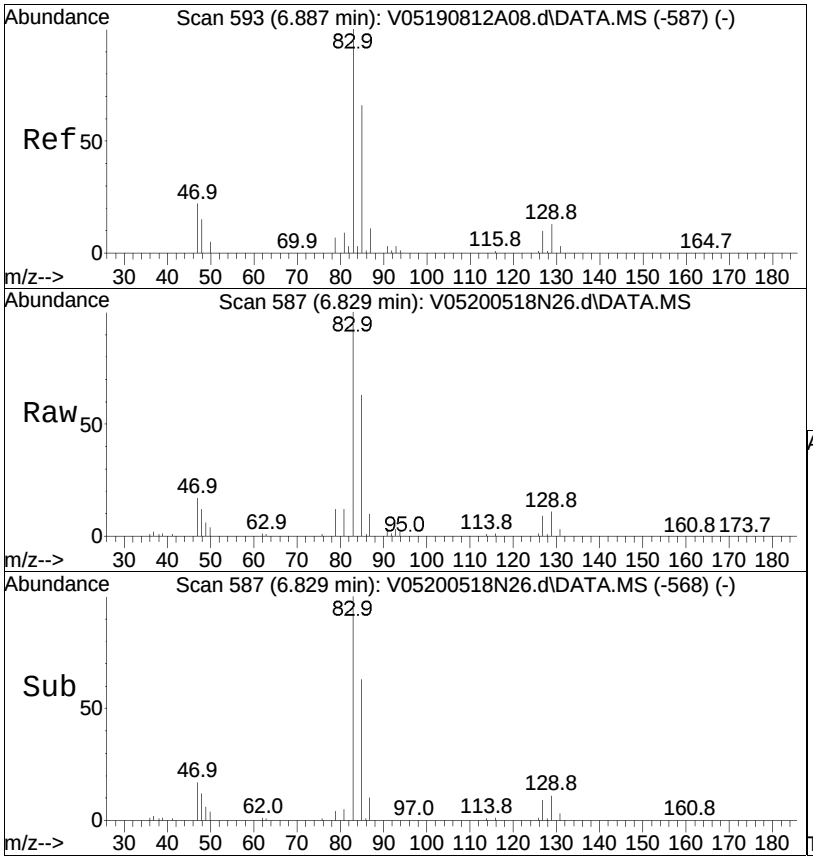


#51
1,2-Dichloropropane
Concen: 10.43 ug/L
RT: 6.760 min Scan# 580
Delta R.T. -0.010 min
Lab File: V05200518N26.d
Acq: 19 May 2020 3:47 am

Tgt Ion: 63 Resp: 221973

Ion	Ratio	Lower	Upper
63	100		
62	71.0	57.0	85.4
76	54.1	48.4	72.6

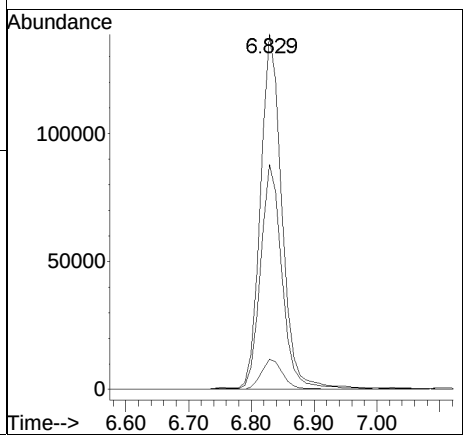


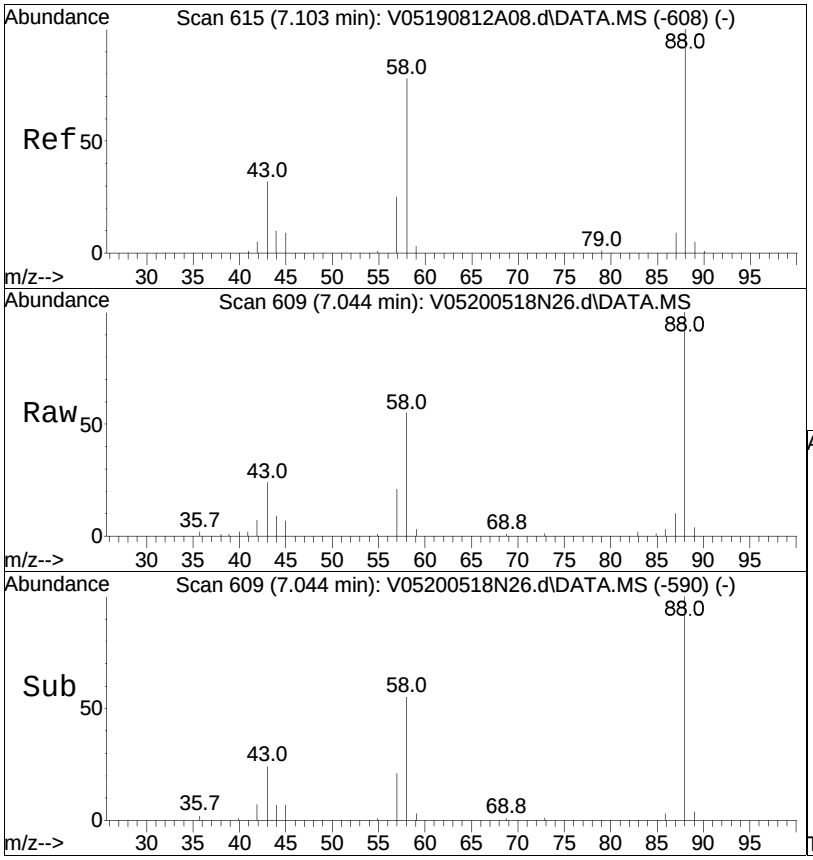


#54
Bromodichloromethane
Concen: 11.13 ug/L
RT: 6.829 min Scan# 587
Delta R.T. -0.009 min
Lab File: V05200518N26.d
Acq: 19 May 2020 3:47 am

Tgt Ion: 83 Resp: 332966

Ion	Ratio	Lower	Upper
83	100		
85	62.0	51.0	76.6
127	8.5	6.7	10.1

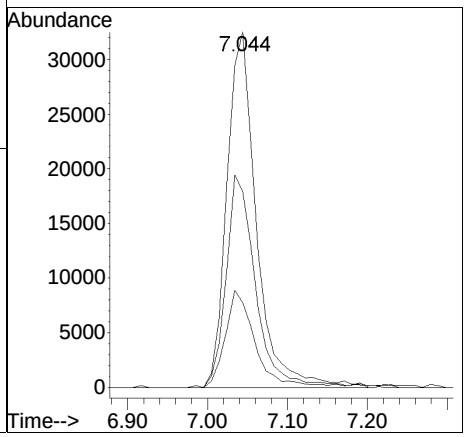


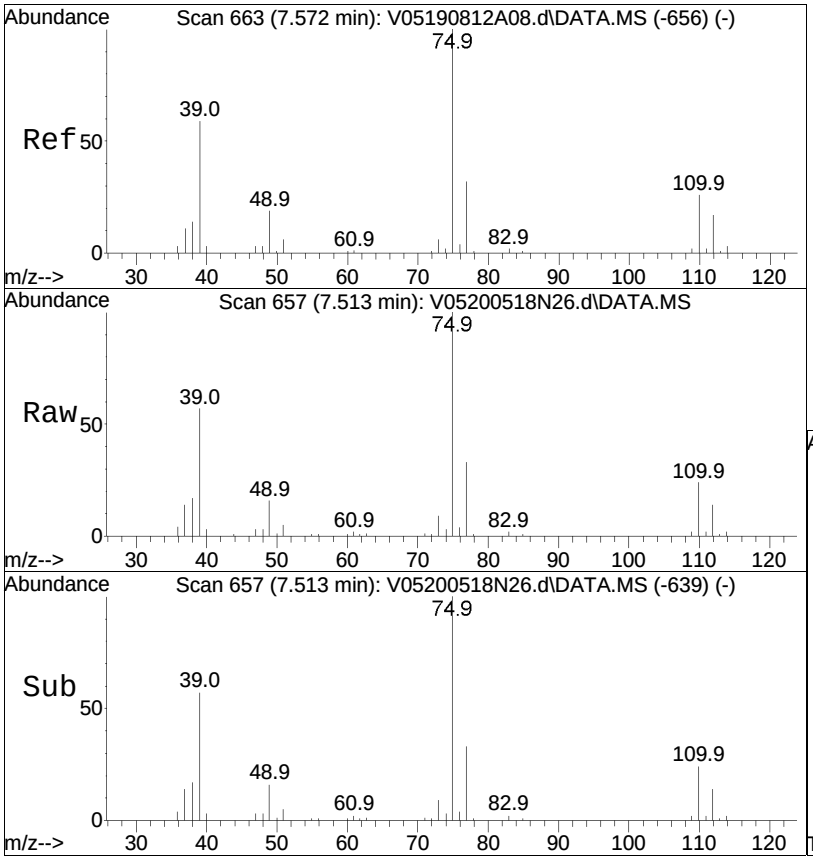


#57
1,4-Dioxane
Concen: 771.14 ug/L
RT: 7.044 min Scan# 609
Delta R.T. -0.010 min
Lab File: V05200518N26.d
Acq: 19 May 2020 3:47 am

Tgt Ion: 88 Resp: 83742

Ion	Ratio	Lower	Upper
88	100		
58	59.7	50.6	75.8
43	27.7	20.5	30.7

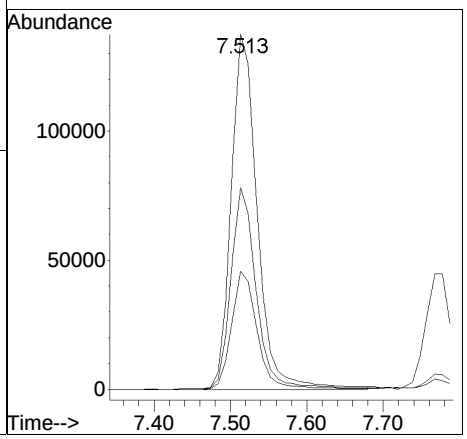


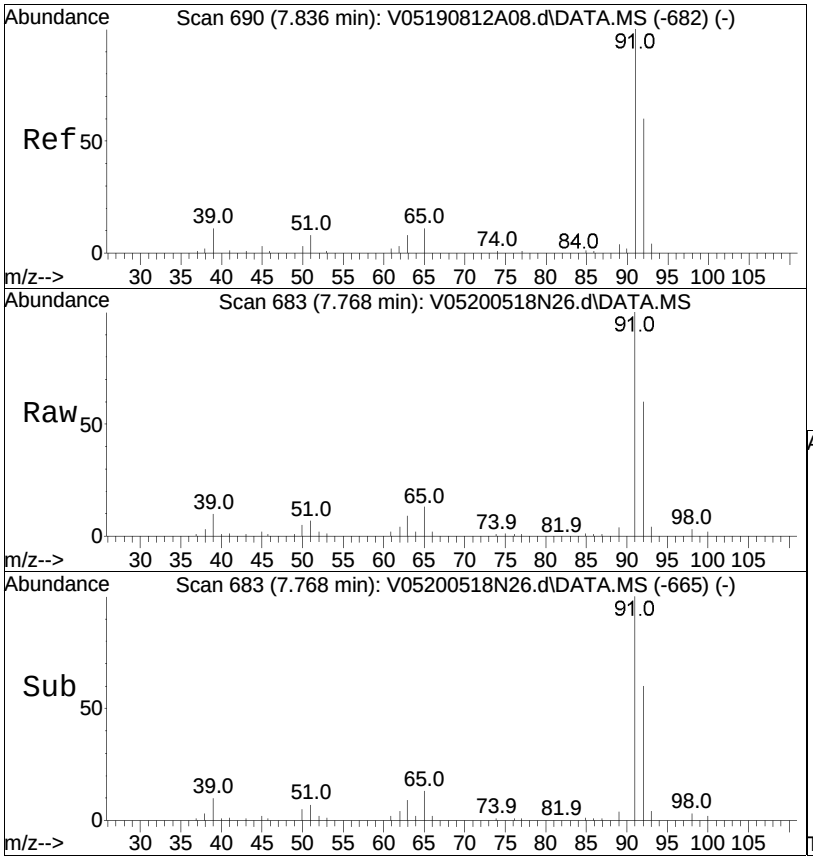


#58
cis-1,3-Dichloropropene
Concen: 9.28 ug/L
RT: 7.513 min Scan# 657
Delta R.T. -0.020 min
Lab File: V05200518N26.d
Acq: 19 May 2020 3:47 am

Tgt Ion: 75 Resp: 327389

Ion	Ratio	Lower	Upper
75	100		
77	32.9	25.5	38.3
39	55.7	40.4	60.6

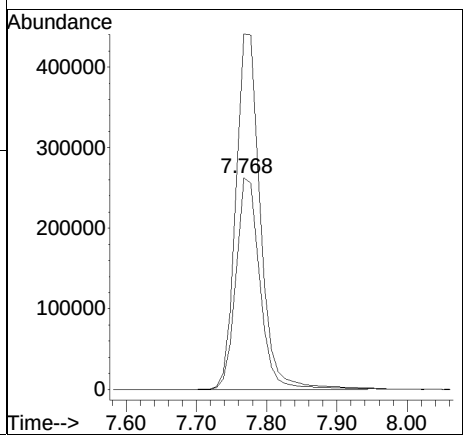


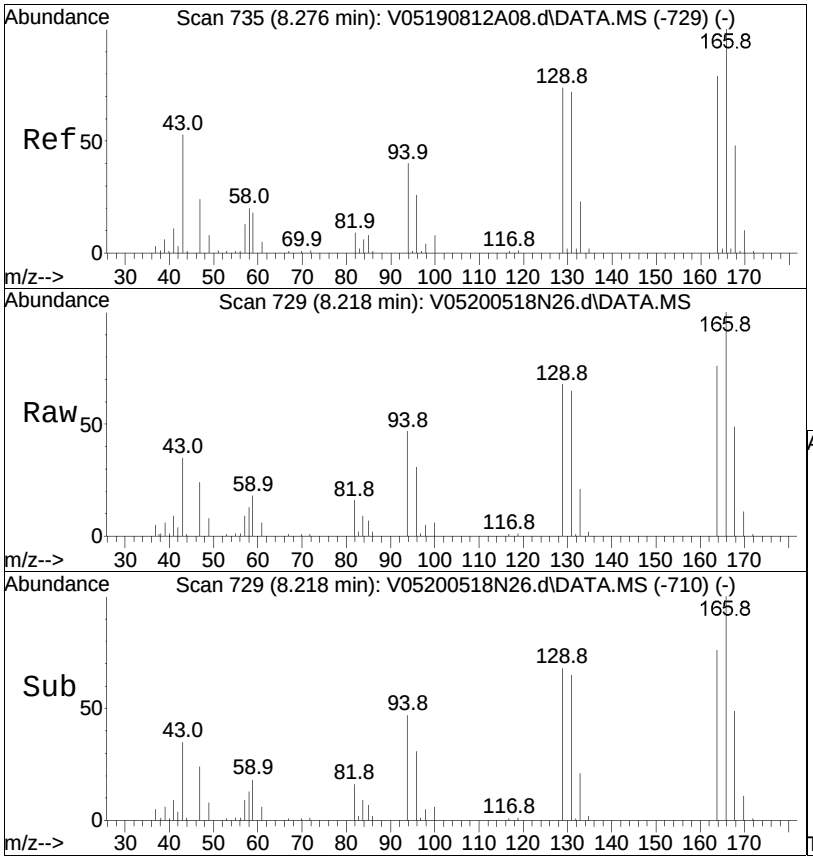


#61
Toluene
Concen: 10.72 ug/L
RT: 7.768 min Scan# 683
Delta R.T. -0.019 min
Lab File: V05200518N26.d
Acq: 19 May 2020 3:47 am

Tgt Ion: 92 Resp: 623140

Ion	Ratio	Lower	Upper
92	100		
91	171.2	135.2	202.8

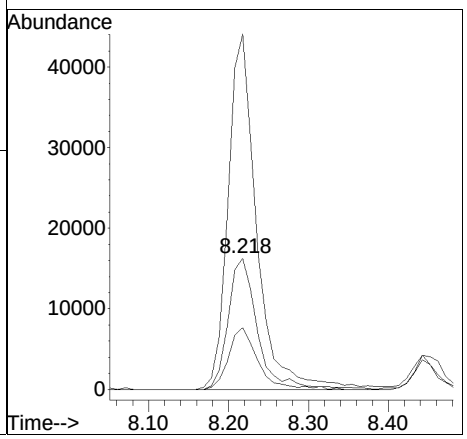


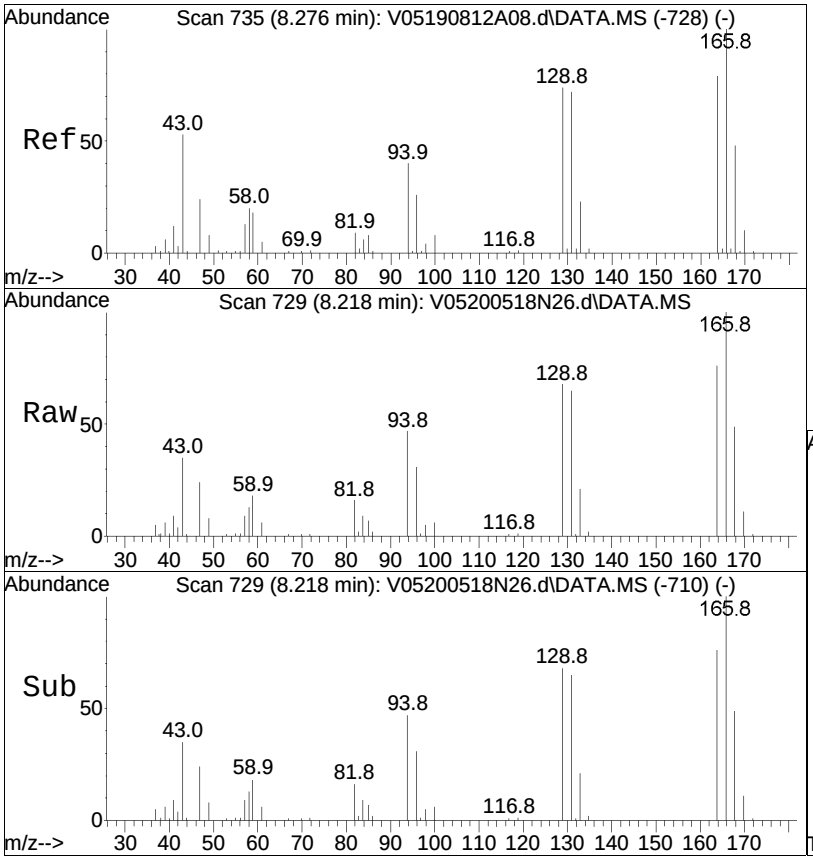


#62
4-Methyl-2-pentanone
Concen: 9.65 ug/L
RT: 8.218 min Scan# 729
Delta R.T. -0.009 min
Lab File: V05200518N26.d
Acq: 19 May 2020 3:47 am

Tgt Ion: 58 Resp: 41650

Ion	Ratio	Lower	Upper
58	100		
100	47.0	38.9	58.3
43	263.1	204.2	306.2

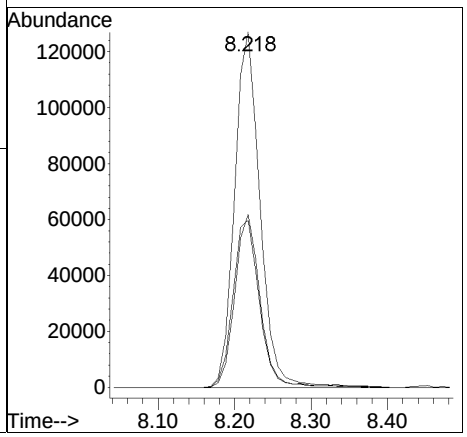


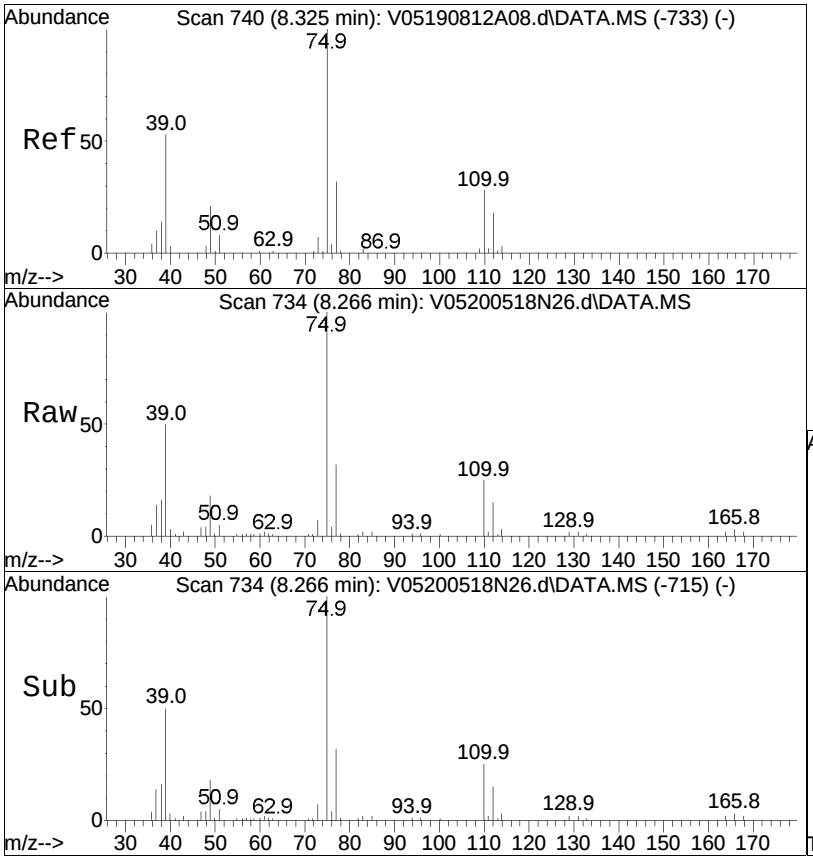


#63
Tetrachloroethene
Concen: 10.65 ug/L
RT: 8.218 min Scan# 729
Delta R.T. -0.009 min
Lab File: V05200518N26.d
Acq: 19 May 2020 3:47 am

Tgt Ion:166 Resp: 294520

Ion	Ratio	Lower	Upper
166	100		
168	48.3	30.2	70.2
94	48.7	32.5	72.5

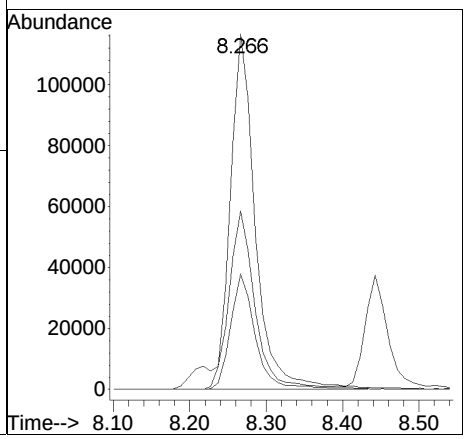


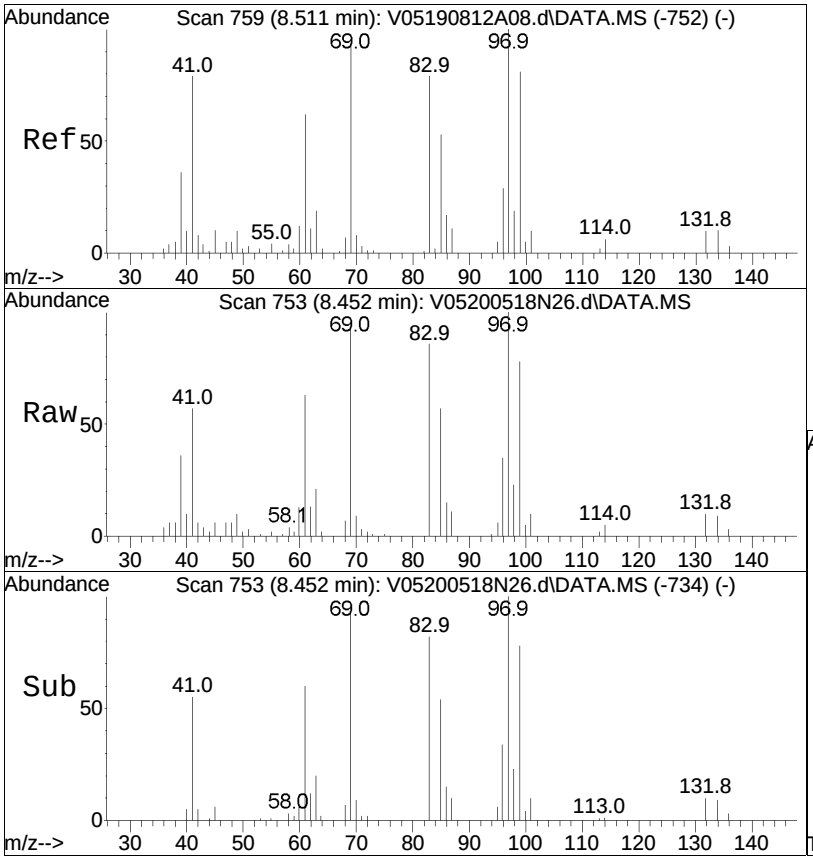


#65
trans-1,3-Dichloropropene
Concen: 9.42 ug/L
RT: 8.266 min Scan# 734
Delta R.T. -0.010 min
Lab File: V05200518N26.d
Acq: 19 May 2020 3:47 am

Tgt Ion: 75 Resp: 266462

Ion	Ratio	Lower	Upper
75	100		
77	32.4	11.5	51.5
39	57.1	29.3	69.3

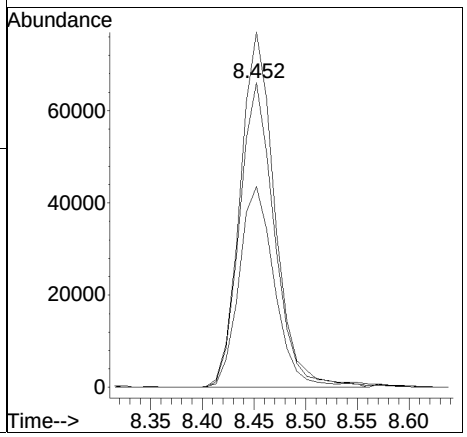


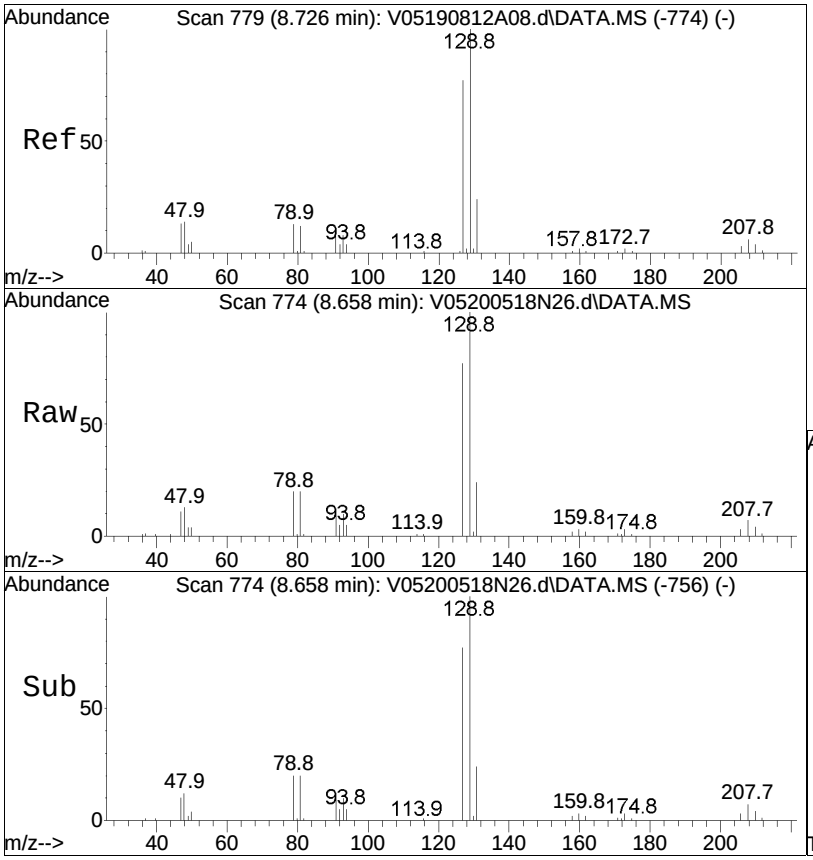


#68
1,1,2-Trichloroethane
Concen: 11.76 ug/L
RT: 8.452 min Scan# 753
Delta R.T. -0.010 min
Lab File: V05200518N26.d
Acq: 19 May 2020 3:47 am

Tgt Ion: 83 Resp: 155266

Ion	Ratio	Lower	Upper
83	100		
97	117.0	102.2	142.2
85	68.1	47.5	87.5

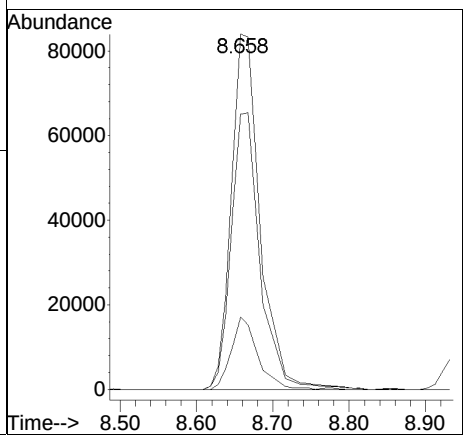


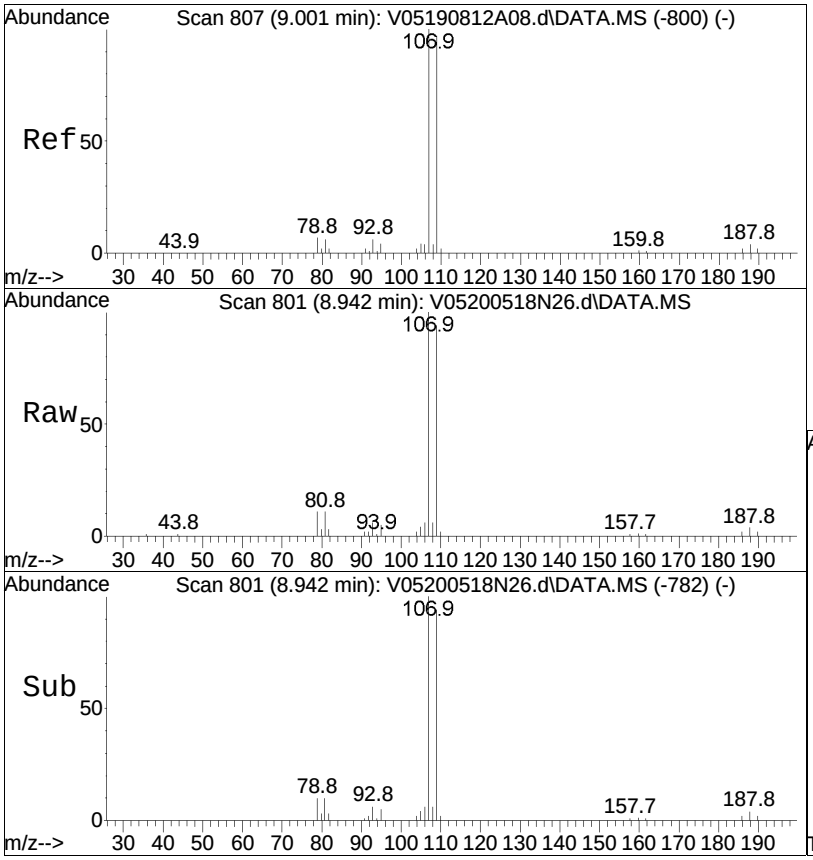


#69
Chlorodibromomethane
Concen: 10.52 ug/L
RT: 8.658 min Scan# 774
Delta R.T. -0.019 min
Lab File: V05200518N26.d
Acq: 19 May 2020 3:47 am

Tgt Ion:129 Resp: 222768

Ion	Ratio	Lower	Upper
129	100		
81	19.7	0.0	37.0
127	77.9	58.3	98.3

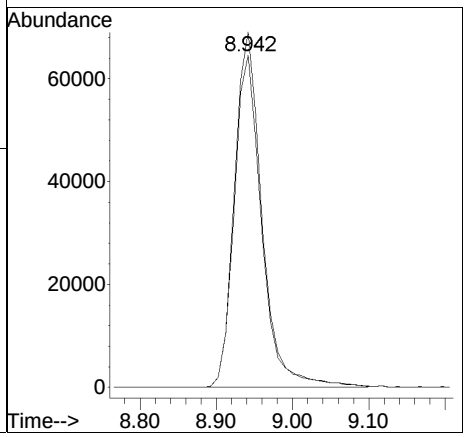


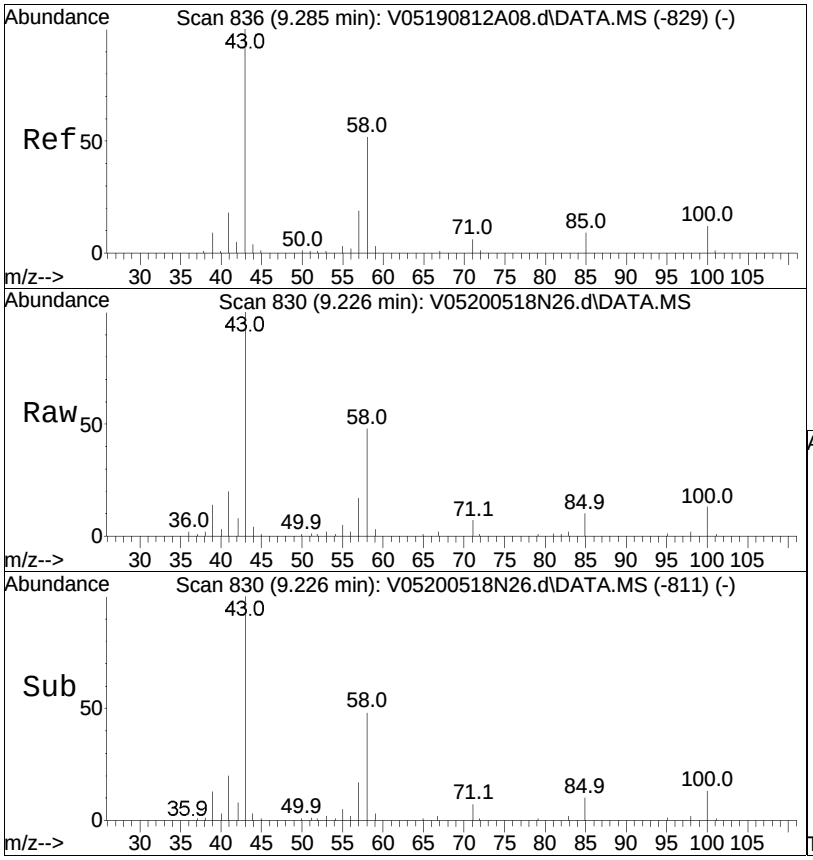


#71
1,2-Dibromoethane
Concen: 11.23 ug/L
RT: 8.942 min Scan# 801
Delta R.T. -0.010 min
Lab File: V05200518N26.d
Acq: 19 May 2020 3:47 am

Tgt Ion:107 Resp: 173995

Ion	Ratio	Lower	Upper
107	100		
109	93.4	75.0	112.6

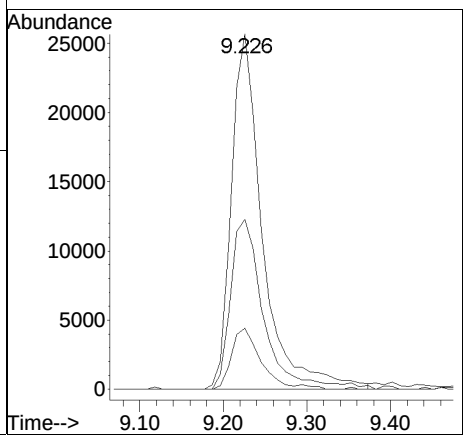


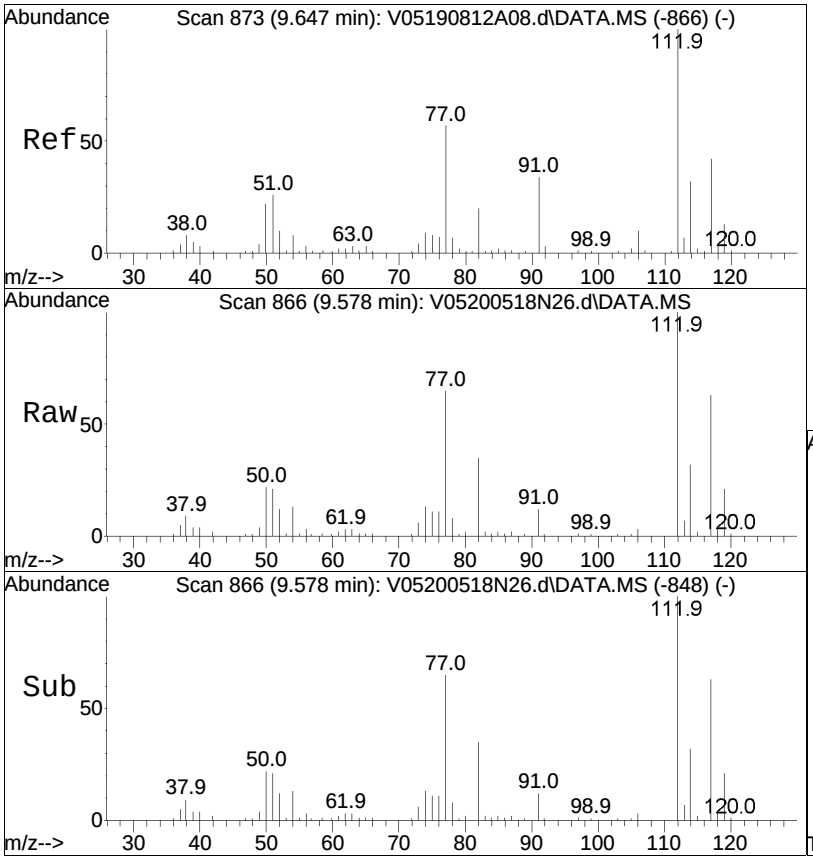


#72
2-Hexanone
Concen: 9.24 ug/L
RT: 9.226 min Scan# 830
Delta R.T. -0.010 min
Lab File: V05200518N26.d
Acq: 19 May 2020 3:47 am

Tgt Ion: 43 Resp: 66816

Ion	Ratio	Lower	Upper
43	100		
58	50.8	42.3	63.5
57	16.5	15.6	23.4

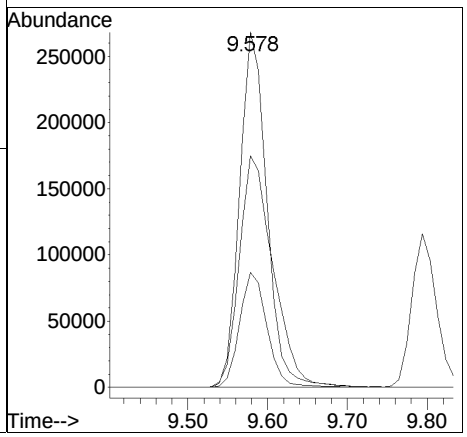


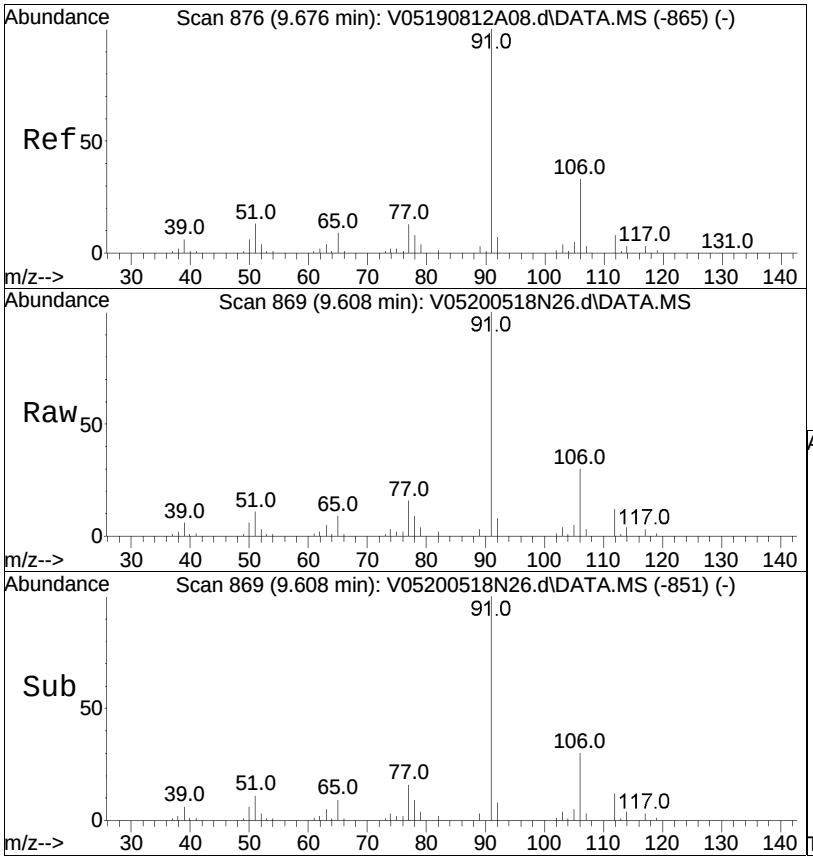


#73
Chlorobenzene
Concen: 10.25 ug/L
RT: 9.578 min Scan# 866
Delta R.T. -0.020 min
Lab File: V05200518N26.d
Acq: 19 May 2020 3:47 am

Tgt Ion:112 Resp: 638241

Ion	Ratio	Lower	Upper
112	100		
77	81.0	66.1	99.1
114	32.7	25.4	38.0

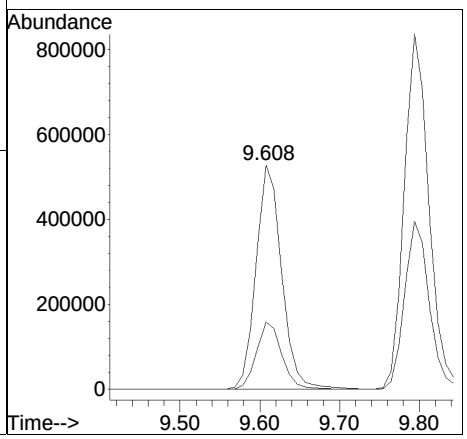


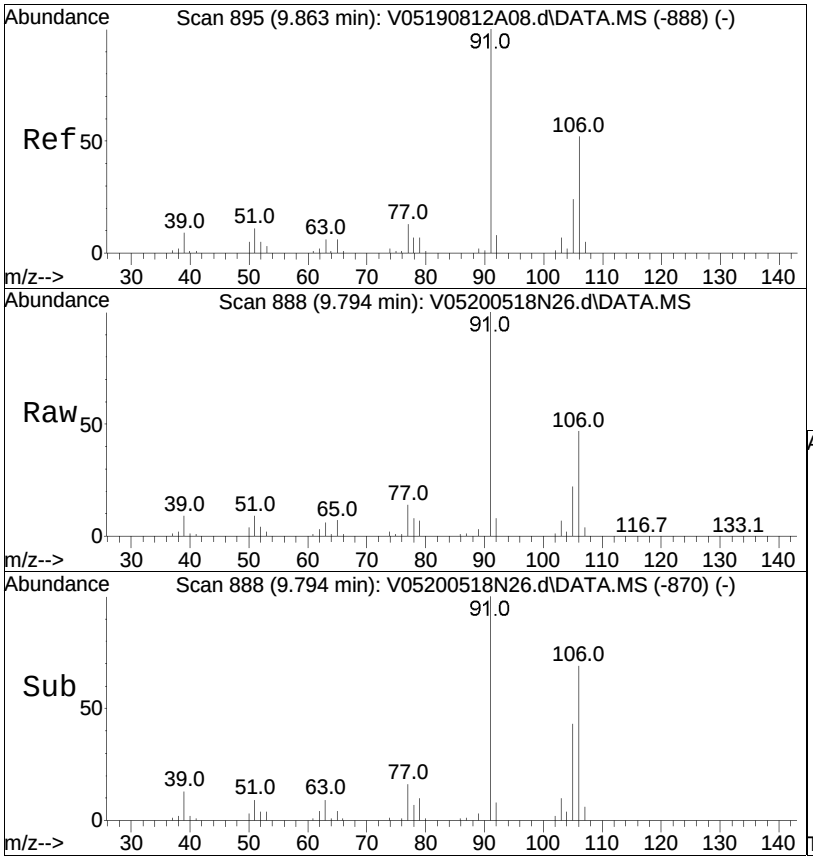


#74
Ethylbenzene
Concen: 10.79 ug/L
RT: 9.608 min Scan# 869
Delta R.T. -0.019 min
Lab File: V05200518N26.d
Acq: 19 May 2020 3:47 am

Tgt Ion: 91 Resp: 1185961

Ion	Ratio	Lower	Upper
91	100		
106	29.8	22.9	34.3

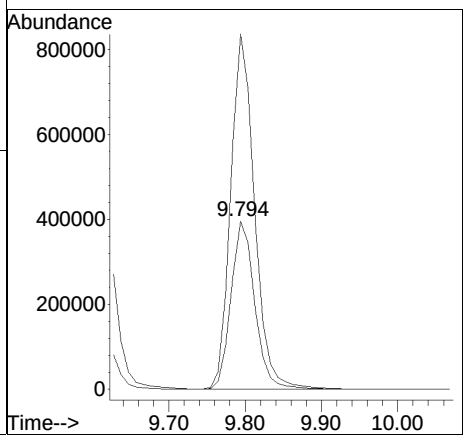


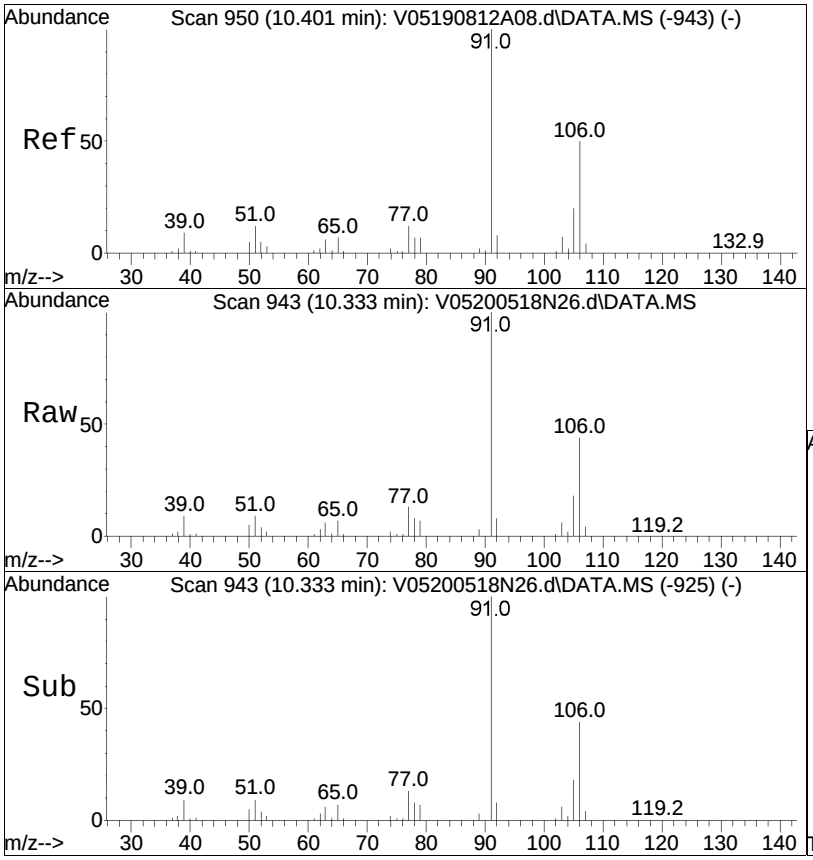


#76
p/m Xylene
Concen: 19.78 ug/L
RT: 9.794 min Scan# 888
Delta R.T. -0.020 min
Lab File: V05200518N26.d
Acq: 19 May 2020 3:47 am

Tgt Ion:106 Resp: 857960

Ion	Ratio	Lower	Upper
106	100		
91	210.9	177.2	265.8

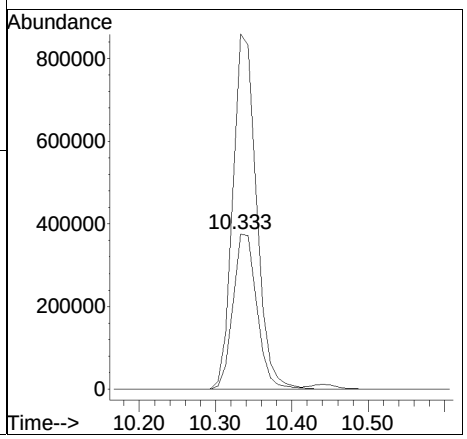


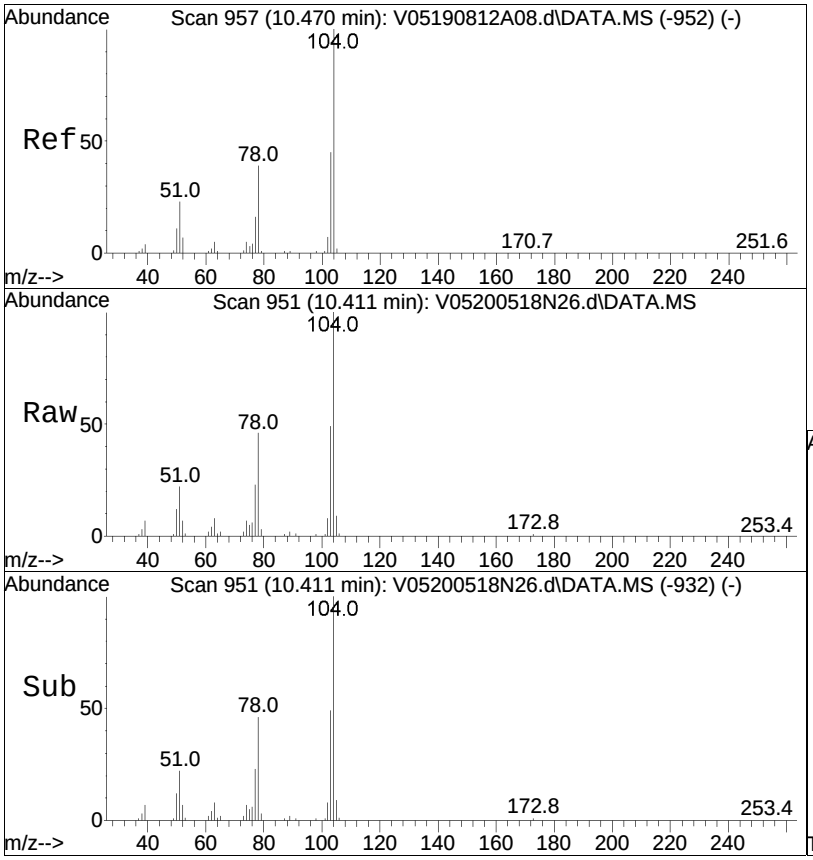


#77
o Xylene
Concen: 19.76 ug/L
RT: 10.333 min Scan# 943
Delta R.T. -0.019 min
Lab File: V05200518N26.d
Acq: 19 May 2020 3:47 am

Tgt Ion:106 Resp: 823827

Ion	Ratio	Lower	Upper
106	100		
91	224.6	187.0	280.6

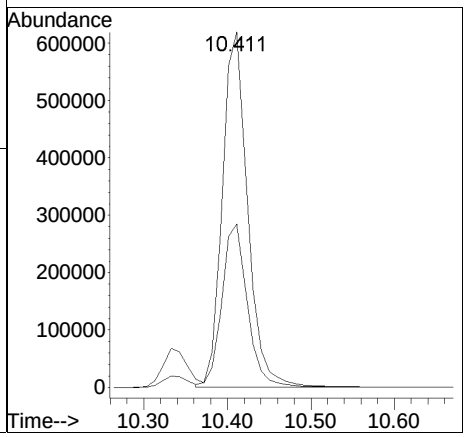


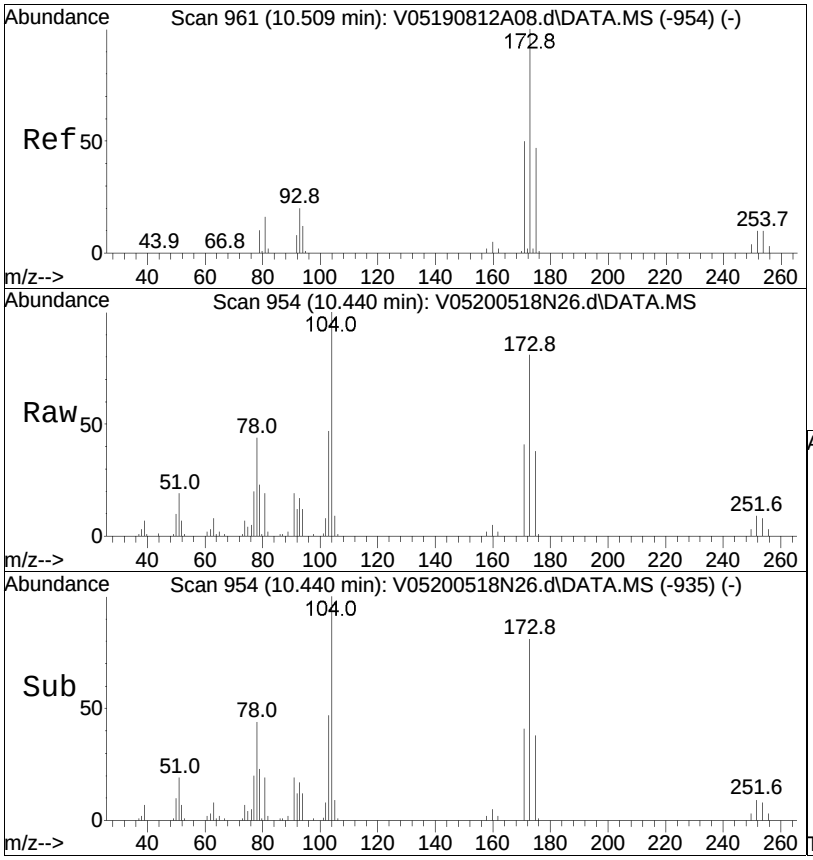


#78
Styrene
Concen: 20.06 ug/L
RT: 10.411 min Scan# 951
Delta R.T. -0.010 min
Lab File: V05200518N26.d
Acq: 19 May 2020 3:47 am

Tgt Ion:104 Resp: 1300913

Ion	Ratio	Lower	Upper
104	100		
78	46.3	39.6	59.4

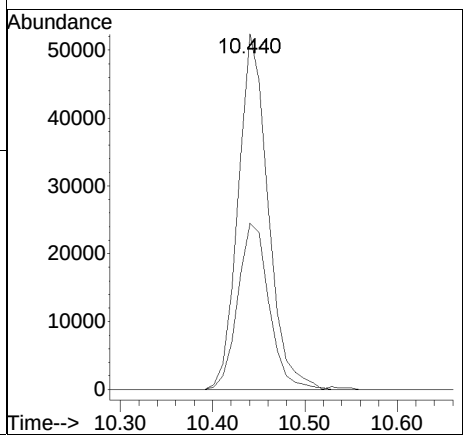


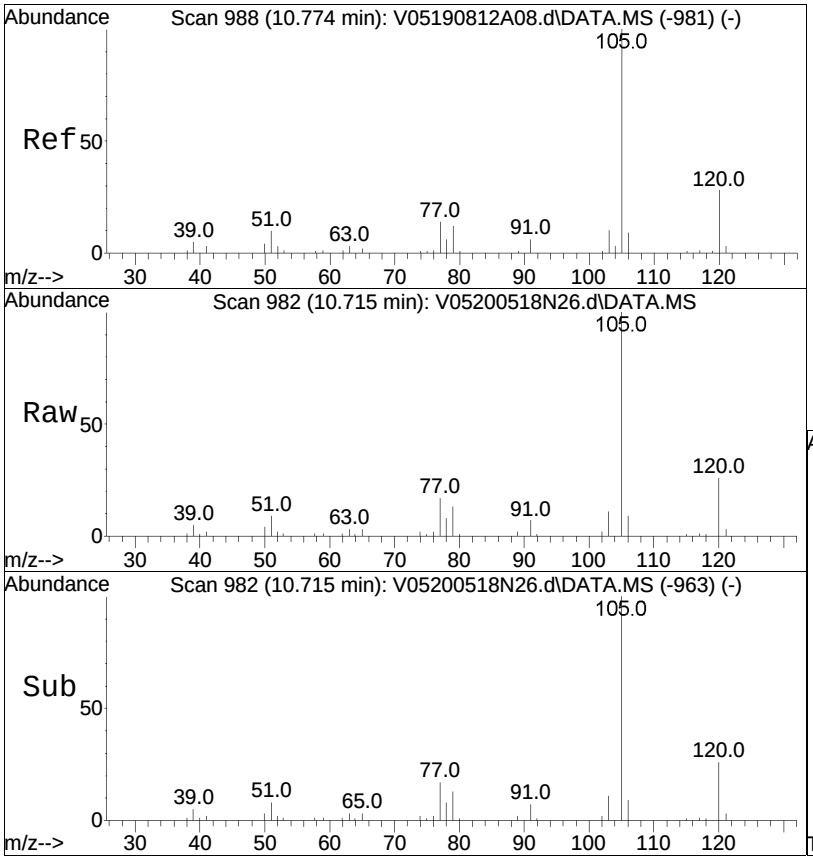


#80
Bromoform
Concen: 10.39 ug/L
RT: 10.440 min Scan# 954
Delta R.T. -0.010 min
Lab File: V05200518N26.d
Acq: 19 May 2020 3:47 am

Tgt Ion:173 Resp: 118036

Ion	Ratio	Lower	Upper
173	100		
175	48.7	26.6	66.6

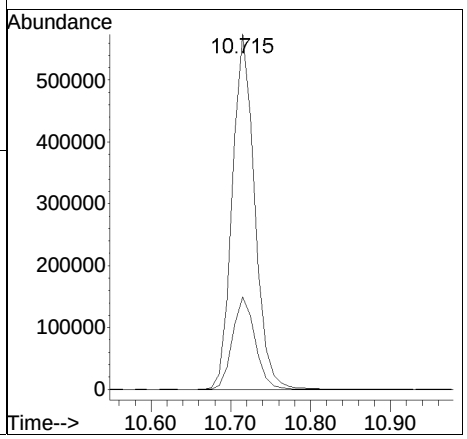


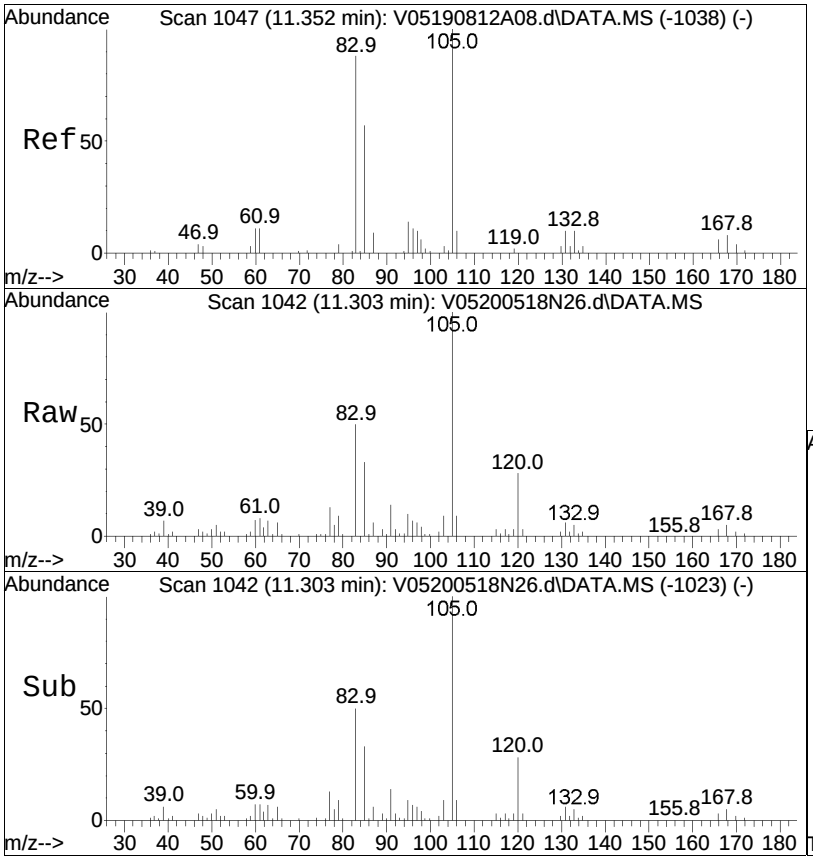


#82
Isopropylbenzene
Concen: 9.64 ug/L
RT: 10.715 min Scan# 982
Delta R.T. -0.010 min
Lab File: V05200518N26.d
Acq: 19 May 2020 3:47 am

Tgt Ion:105 Resp: 1120732

Ion	Ratio	Lower	Upper
105	100		
120	26.3	4.8	44.8

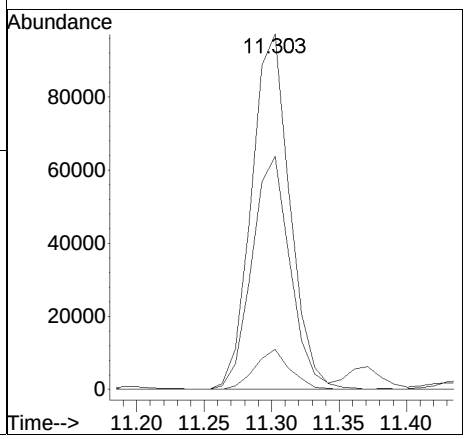


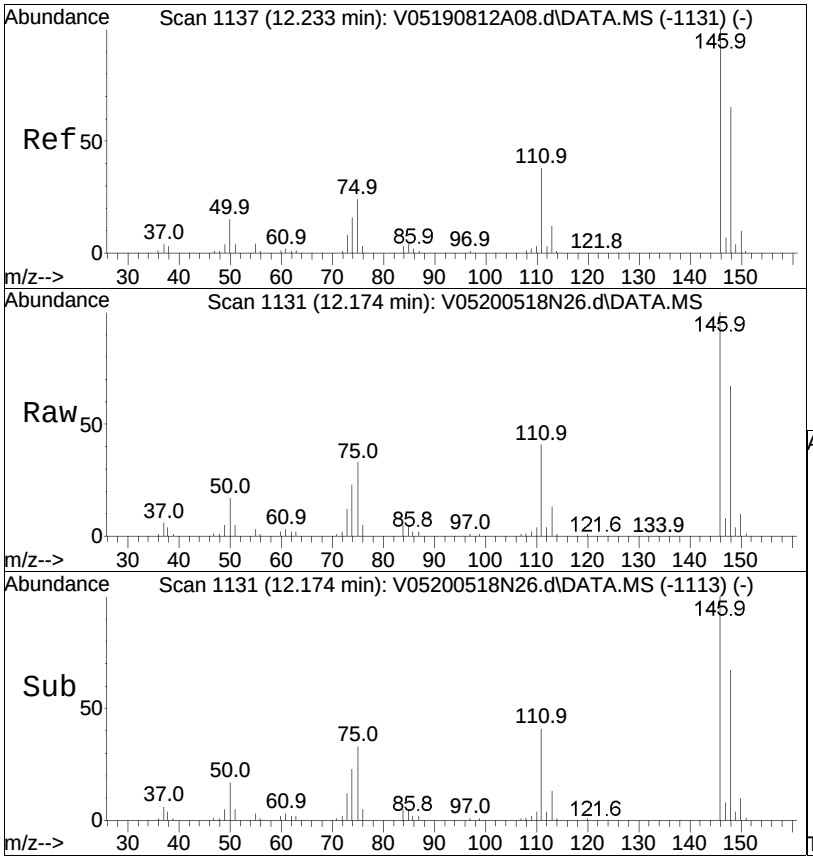


#87
1,1,2,2-Tetrachloroethane
Concen: 11.12 ug/L
RT: 11.303 min Scan# 1042
Delta R.T. -0.010 min
Lab File: V05200518N26.d
Acq: 19 May 2020 3:47 am

Tgt Ion: 83 Resp: 192208

Ion	Ratio	Lower	Upper
83	100		
131	10.4	0.0	30.4
85	65.4	46.4	86.4

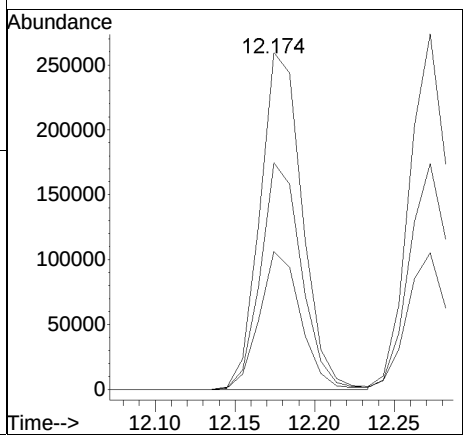


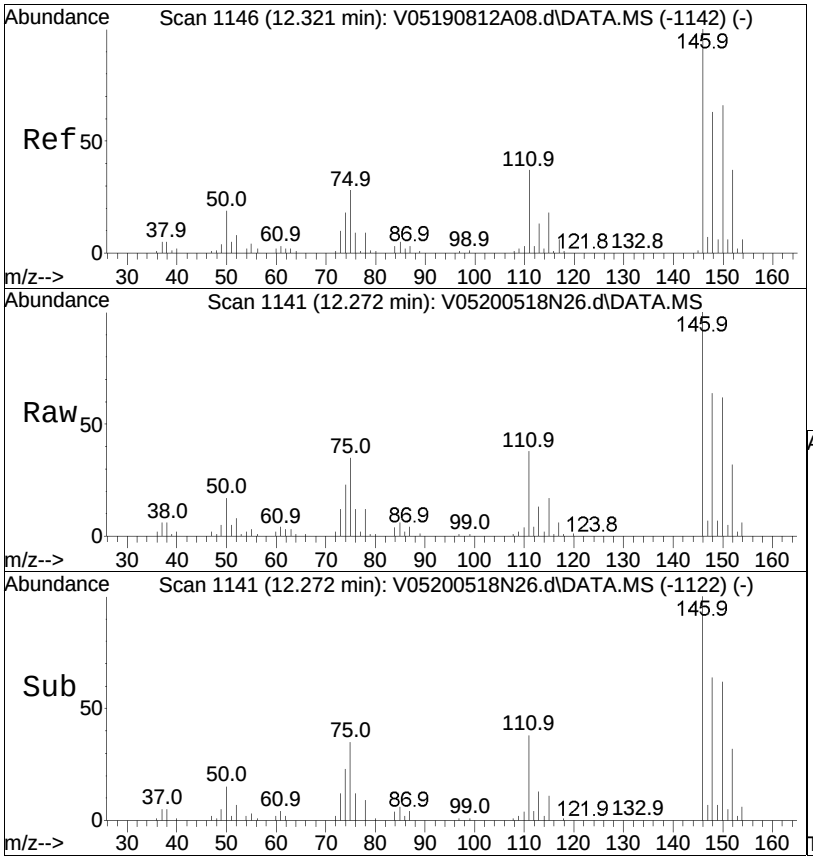


#100
1,3-Dichlorobenzene
Concen: 9.35 ug/L
RT: 12.174 min Scan# 1131
Delta R.T. -0.020 min
Lab File: V05200518N26.d
Acq: 19 May 2020 3:47 am

Tgt Ion:146 Resp: 477858

Ion	Ratio	Lower	Upper
146	100		
111	39.8	28.0	58.1
148	65.2	41.6	86.4

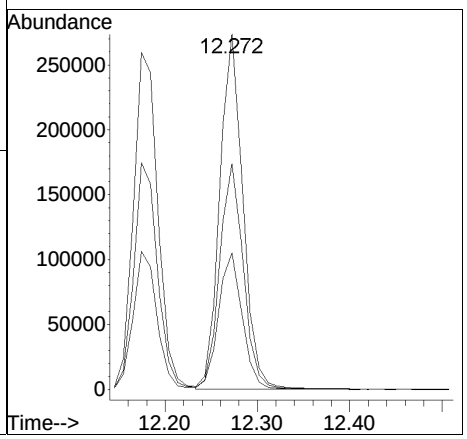


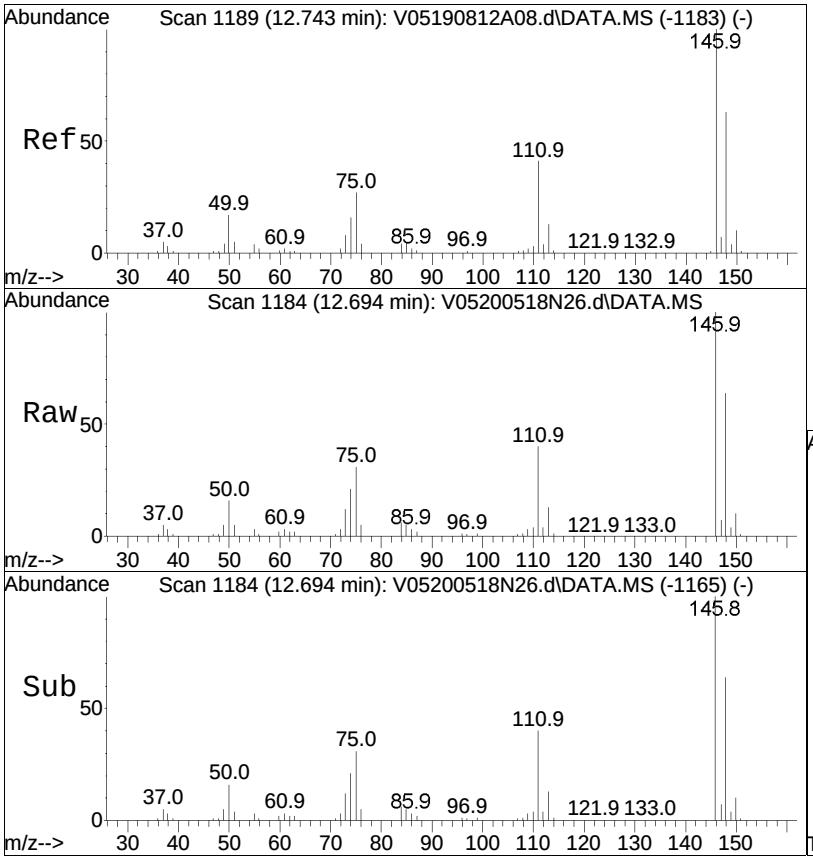


#101
1,4-Dichlorobenzene
Concen: 9.32 ug/L
RT: 12.272 min Scan# 1141
Delta R.T. -0.010 min
Lab File: V05200518N26.d
Acq: 19 May 2020 3:47 am

Tgt Ion:146 Resp: 478477

Ion	Ratio	Lower	Upper
146	100		
111	39.9	33.8	50.6
148	65.1	51.0	76.6

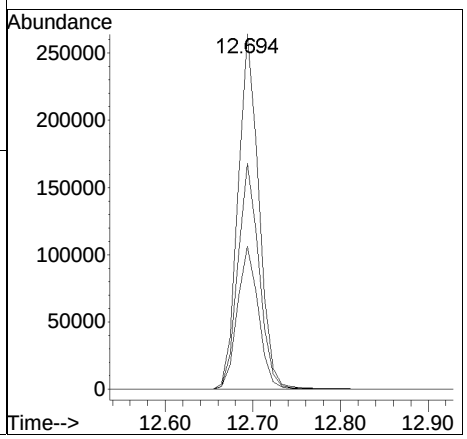


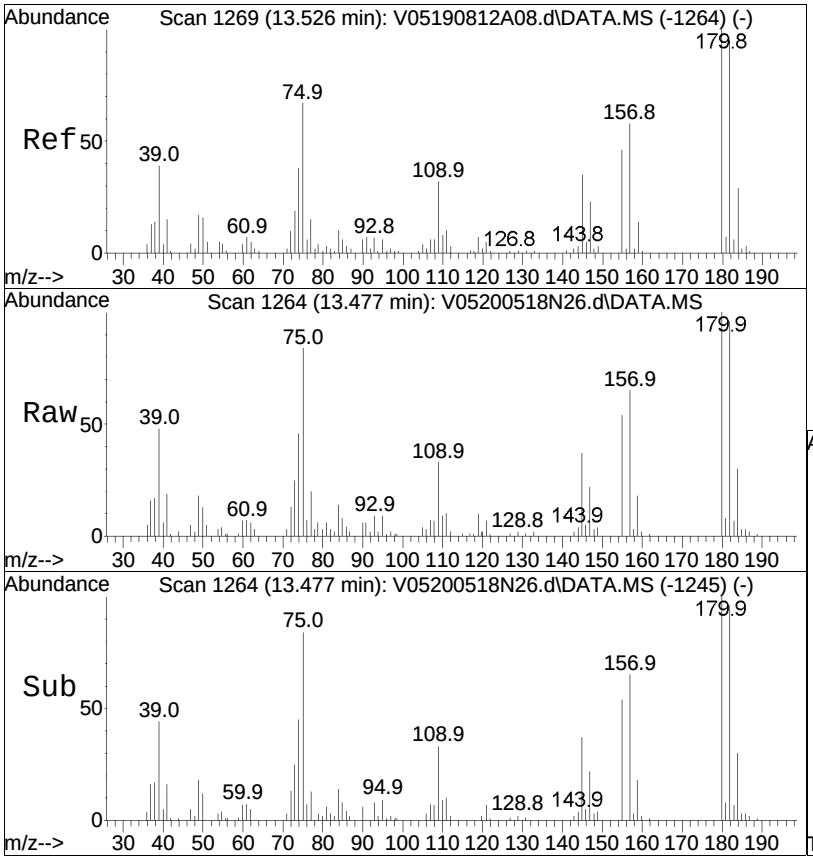


#104
1,2-Dichlorobenzene
Concen: 9.72 ug/L
RT: 12.694 min Scan# 1184
Delta R.T. -0.010 min
Lab File: V05200518N26.d
Acq: 19 May 2020 3:47 am

Tgt Ion:146 Resp: 438278

Ion	Ratio	Lower	Upper
146	100		
111	40.8	29.1	60.5
148	64.3	41.7	86.7

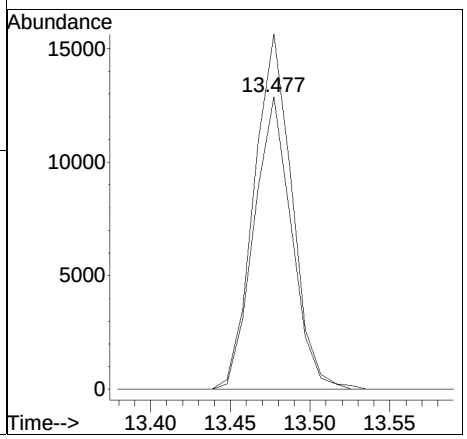


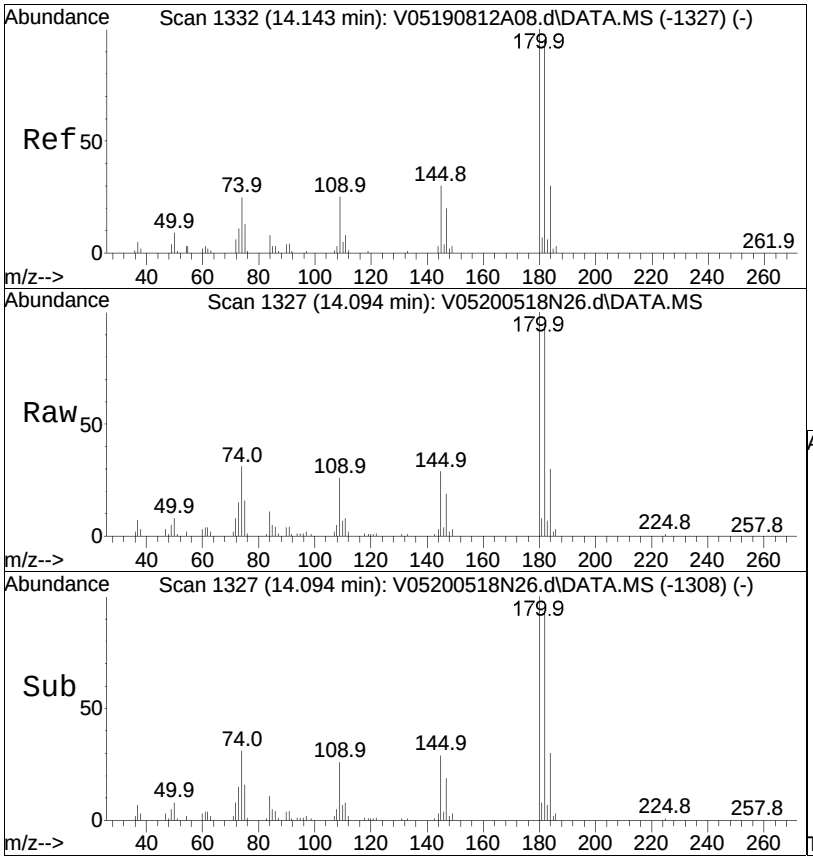


#106
1,2-Dibromo-3-chloropropane
Concen: 9.24 ug/L
RT: 13.477 min Scan# 1264
Delta R.T. -0.010 min
Lab File: V05200518N26.d
Acq: 19 May 2020 3:47 am

Tgt Ion:155 Resp: 21129

Ion	Ratio	Lower	Upper
155	100		
157	122.8	105.0	157.6

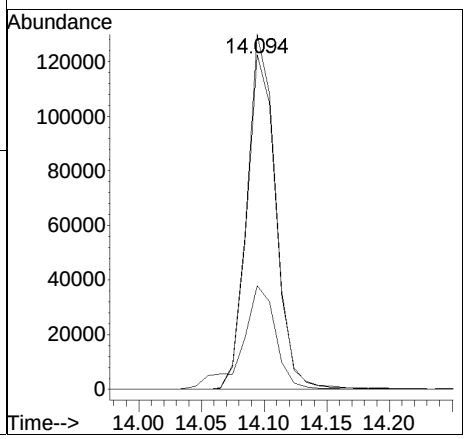


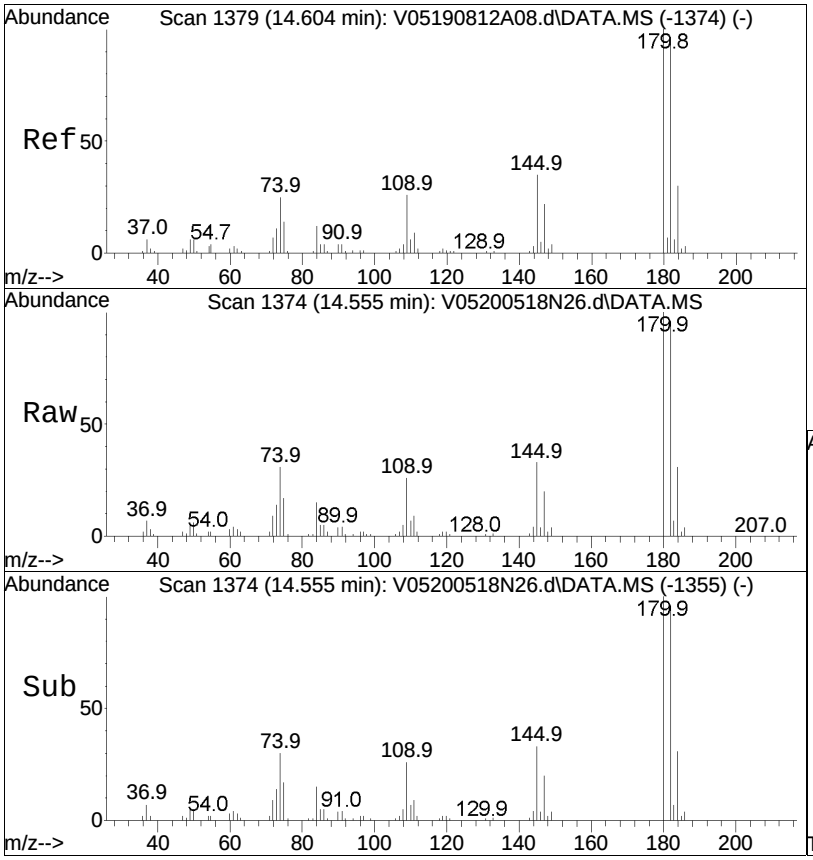


#109
1,2,4-Trichlorobenzene
Concen: 7.42 ug/L
RT: 14.094 min Scan# 1327
Delta R.T. -0.010 min
Lab File: V05200518N26.d
Acq: 19 May 2020 3:47 am

Tgt Ion:180 Resp: 208364

Ion	Ratio	Lower	Upper
180	100		
182	96.0	75.2	112.8
145	34.2	27.4	41.2

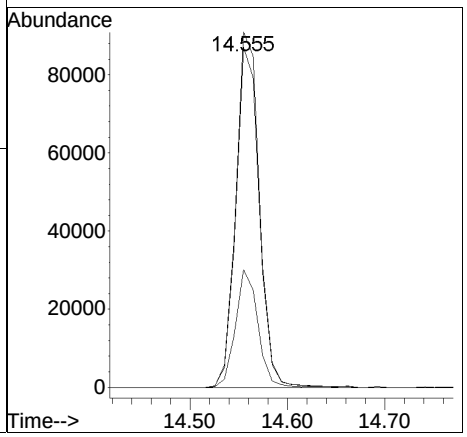




#111
1,2,3-Trichlorobenzene
Concen: 7.14 ug/L
RT: 14.555 min Scan# 1374
Delta R.T. -0.010 min
Lab File: V05200518N26.d
Acq: 19 May 2020 3:47 am

Tgt Ion:180 Resp: 153114

Ion	Ratio	Lower	Upper
180	100		
182	94.7	75.5	113.3
145	31.6	26.5	39.7



Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2020\200518N\
Data File : V05200518N27.d
Acq On : 19 May 2020 4:10 am
Operator : VOA105:NLK
Sample : WG1372229-7,31,0.250,10,,a
Misc : WG1372229,ICAL16595
ALS Vial : 27 Sample Multiplier: 1

Quant Time: May 19 09:59:06 2020
Quant Method : I:\VOLATILES\VOA105\2020\200518N\V105_200313N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Mar 15 01:23:14 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2020\200518N\V05200518N01.d
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	6.037	96	1057697	10.000 ug/L	0.00
Standard Area 1 = 1103307			Recovery	= 95.87%	
59) Chlorobenzene-d5	9.559	117	802305	10.000 ug/L	-0.01
Standard Area 1 = 869831			Recovery	= 92.24%	
79) 1,4-Dichlorobenzene-d4	12.253	152	441363	10.000 ug/L	-0.01
Standard Area 1 = 540562			Recovery	= 81.65%	
System Monitoring Compounds					
36) Dibromofluoromethane	5.234	113	305800	10.800 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	= 108.00%	
43) 1,2-Dichloroethane-d4	5.763	65	355879	11.728 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	= 117.28%	
60) Toluene-d8	7.719	98	1074304	10.583 ug/L	-0.01
Spiked Amount 10.000	Range 70 - 130		Recovery	= 105.83%	
83) 4-Bromofluorobenzene	11.048	95	432613	10.417 ug/L	-0.01
Spiked Amount 10.000	Range 70 - 130		Recovery	= 104.17%	
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.665	85	274274	12.292 ug/L	100
3) Chloromethane	1.860	50	192347	8.892 ug/L	98
4) Vinyl chloride	1.938	62	199778	7.363 ug/L	99
5) Bromomethane	2.251	94	38566	2.581 ug/L	97
6) Chloroethane	2.359	64	88065	6.557 ug/L	97
7) Trichlorofluoromethane	2.496	101	391221	10.022 ug/L	99
10) 1,1-Dichloroethene	2.985	96	211718	10.461 ug/L	92
11) Carbon disulfide	3.014	76	543595	9.812 ug/L	100
12) Freon-113	3.014	101	213617	10.677 ug/L	92
15) Methylene chloride	3.542	84	247820	11.119 ug/L	97
17) Acetone	3.601	43	35397	11.139 ug/L	95
18) trans-1,2-Dichloroethene	3.689	96	258212	11.349 ug/L	96
19) Methyl acetate	3.709	43	91779	10.369 ug/L #	91
20) Methyl tert-butyl ether	3.787	73	497266	10.152 ug/L	97
23) 1,1-Dichloroethane	4.276	63	441694	11.012 ug/L	99
28) cis-1,2-Dichloroethene	4.794	96	381355	15.490 ug/L	98
30) Bromochloromethane	4.990	128	118710	10.652 ug/L	96
31) Cyclohexane	4.970	56	391771	11.098 ug/L	98
32) Chloroform	5.058	83	482015	11.893 ug/L	96
34) Carbon tetrachloride	5.176	117	410030	11.284 ug/L	99

Data Path : I:\VOLATILES\VOA105\2020\200518N\
Data File : V05200518N27.d
Acq On : 19 May 2020 4:10 am
Operator : VOA105:NLK
Sample : WG1372229-7,31,0.250,10,,a
Misc : WG1372229,ICAL16595
ALS Vial : 27 Sample Multiplier: 1

Quant Time: May 19 09:59:06 2020
Quant Method : I:\VOLATILES\VOA105\2020\200518N\V105_200313N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Mar 15 01:23:14 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2020\200518N\V05200518N01.d
Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37)	1,1,1-Trichloroethane	5.244	97	463666	11.931	ug/L	98
39)	2-Butanone	5.352	43	53882	11.641	ug/L	88
41)	Benzene	5.616	78	994807	10.811	ug/L	97
44)	1,2-Dichloroethane	5.831	62	314942	11.533	ug/L	99
47)	Methyl cyclohexane	6.183	83	414186	10.264	ug/L	86
48)	Trichloroethene	6.203	95	2922989	111.725	ug/L	94
51)	1,2-Dichloropropane	6.760	63	222404	10.219	ug/L	96
54)	Bromodichloromethane	6.829	83	319951	10.460	ug/L	100
57)	1,4-Dioxane	7.044	88	65164	586.821	ug/L	99
58)	cis-1,3-Dichloropropene	7.513	75	332583	9.218	ug/L	97
61)	Toluene	7.768	92	617068	10.683	ug/L	99
62)	4-Methyl-2-pentanone	8.218	58	41773	9.741	ug/L	95
63)	Tetrachloroethene	8.218	166	282456	10.276	ug/L	96
65)	trans-1,3-Dichloropropene	8.267	75	269351	9.583	ug/L	91
68)	1,1,2-Trichloroethane	8.452	83	154659	11.790	ug/L	96
69)	Chlorodibromomethane	8.668	129	216153	10.270	ug/L	98
71)	1,2-Dibromoethane	8.942	107	176681	11.476	ug/L	99
72)	2-Hexanone	9.226	43	68271	9.501	ug/L	94
73)	Chlorobenzene	9.579	112	630042	10.182	ug/L	98
74)	Ethylbenzene	9.608	91	1157055	10.590	ug/L	97
76)	p/m Xylene	9.794	106	836012	19.399	ug/L	94
77)	o Xylene	10.333	106	812105	19.597	ug/L	95
78)	Styrene	10.411	104	1275539	19.796	ug/L	95
80)	Bromoform	10.441	173	120717	10.531	ug/L	98
82)	Isopropylbenzene	10.715	105	1097605	9.361	ug/L	97
87)	1,1,2,2-Tetrachloroethane	11.303	83	187675	10.761	ug/L	98
100)	1,3-Dichlorobenzene	12.174	146	467063	9.059	ug/L	98
101)	1,4-Dichlorobenzene	12.272	146	464677	8.967	ug/L	97
104)	1,2-Dichlorobenzene	12.694	146	434072	9.539	ug/L	97
106)	1,2-Dibromo-3-chloropr...	13.477	155	21819	9.457	ug/L	97
109)	1,2,4-Trichlorobenzene	14.094	180	214244	7.567	ug/L	98
111)	1,2,3-Trichlorobenzene	14.555	180	169882	7.852	ug/L	98

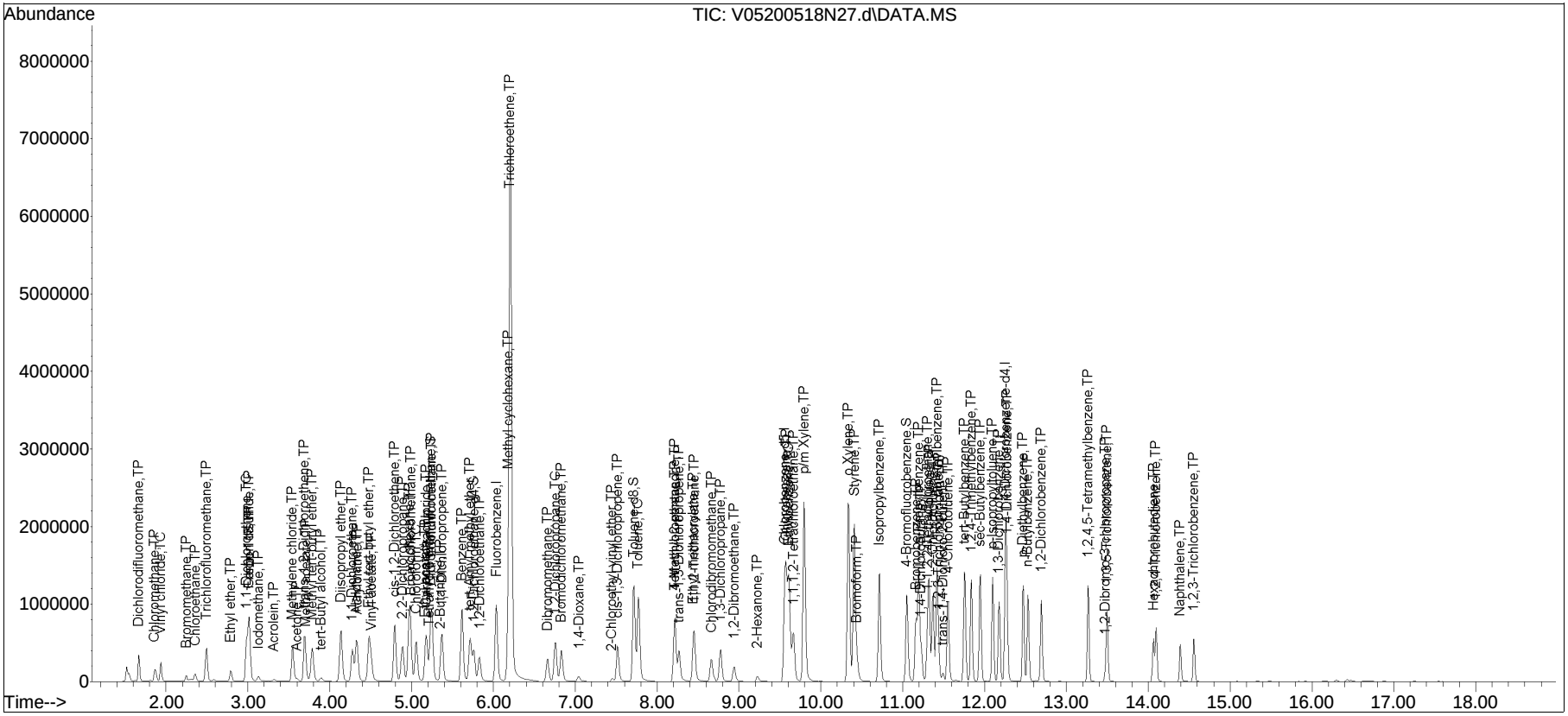
(#) = qualifier out of range (m) = manual integration (+) = signals summed

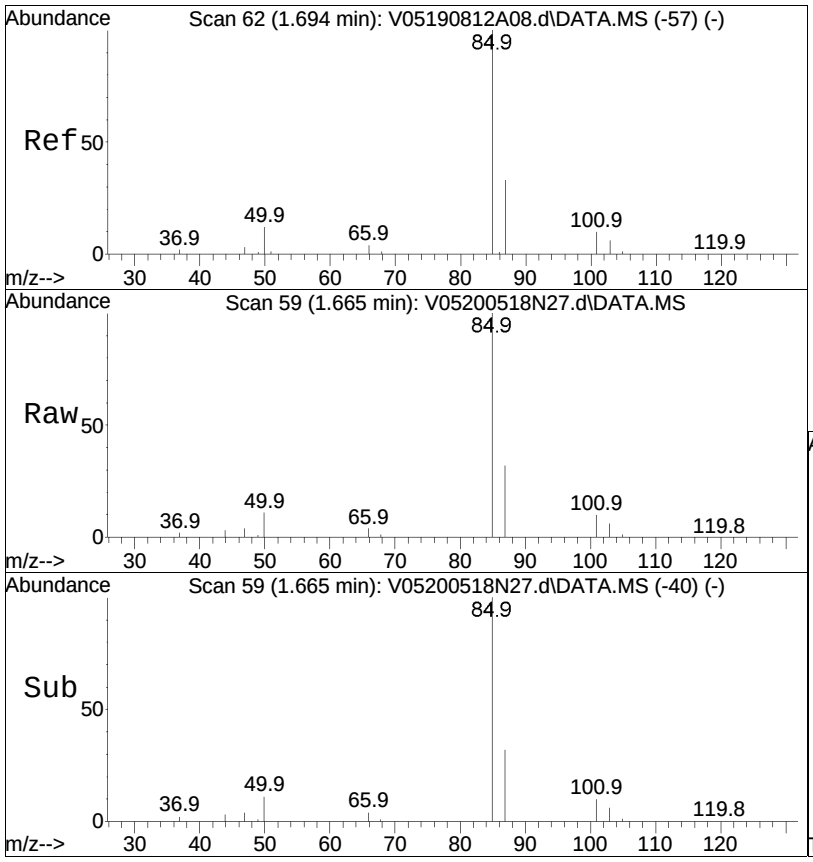
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2020\200518N\
Data File : V05200518N27.d
Acq On : 19 May 2020 4:10 am
Operator : VOA105:NLK
Sample : WG1372229-7,31,0.250,10,,a
Misc : WG1372229,ICAL16595
ALS Vial : 27 Sample Multiplier: 1

Quant Time: May 19 09:59:06 2020
Quant Method : I:\VOLATILES\VOA105\2020\200518N\V105_200313N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sun Mar 15 01:23:14 2020
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox00518N\V05200518N01.d•

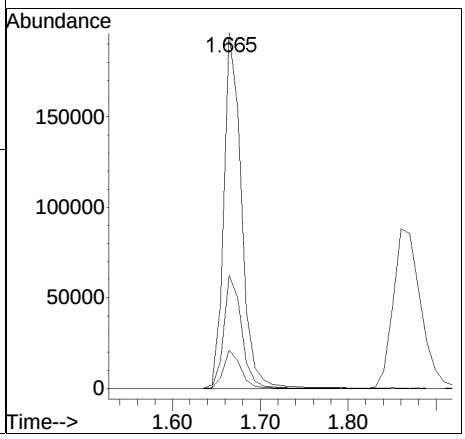


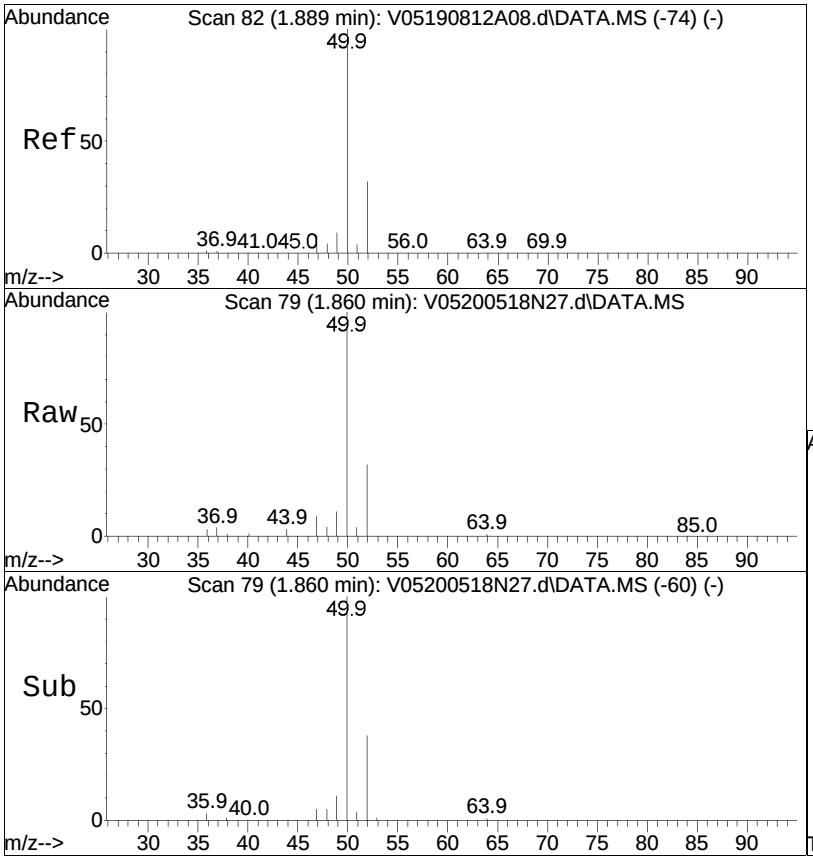


#2
Dichlorodifluoromethane
Concen: 12.29 ug/L
RT: 1.665 min Scan# 59
Delta R.T. -0.009 min
Lab File: V05200518N27.d
Acq: 19 May 2020 4:10 am

Tgt Ion: 85 Resp: 274274

Ion	Ratio	Lower	Upper
85	100		
87	32.3	20.9	43.5
50	10.5	6.8	14.0

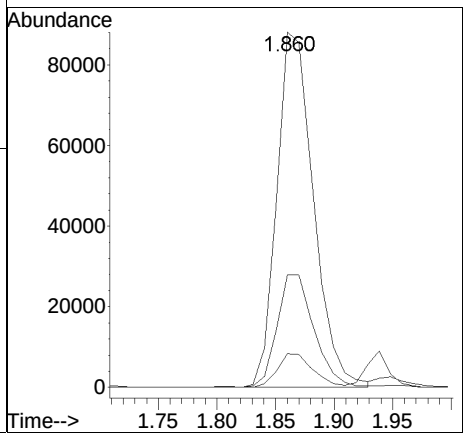


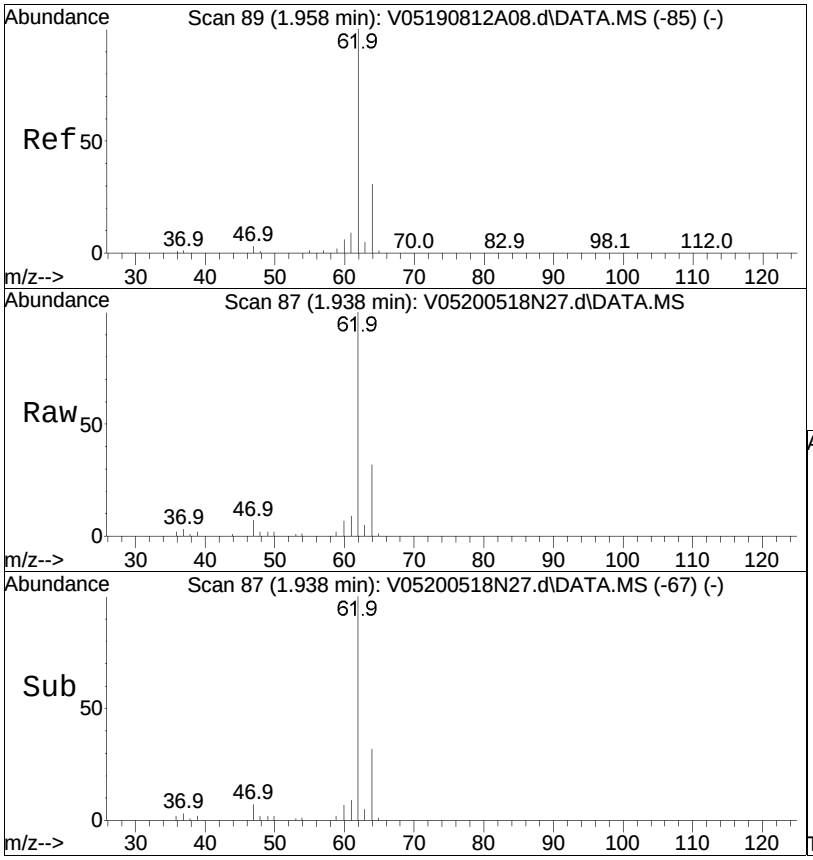


#3
Chloromethane
Concen: 8.89 ug/L
RT: 1.860 min Scan# 79
Delta R.T. -0.010 min
Lab File: V05200518N27.d
Acq: 19 May 2020 4:10 am

Tgt Ion: 50 Resp: 192347

Ion	Ratio	Lower	Upper
50	100		
52	31.8	12.6	52.6
47	9.3	0.0	30.1

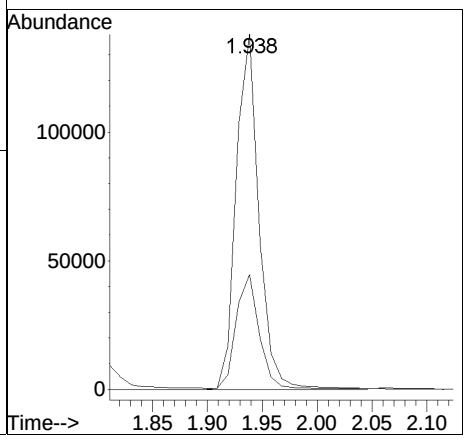


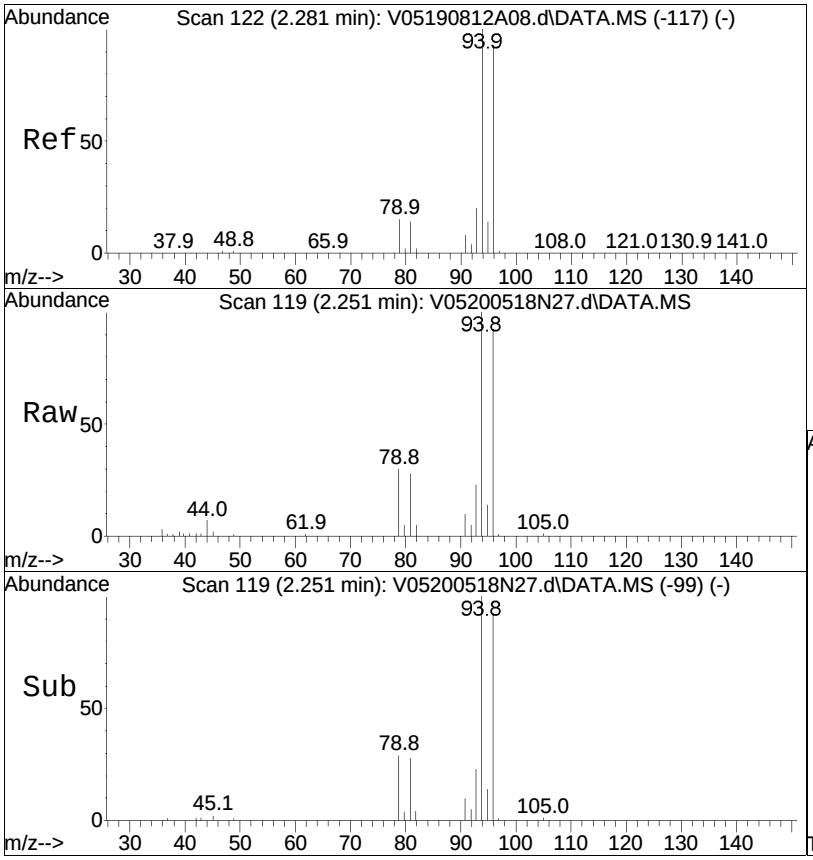


#4
Vinyl chloride
Concen: 7.36 ug/L
RT: 1.938 min Scan# 87
Delta R.T. 0.000 min
Lab File: V05200518N27.d
Acq: 19 May 2020 4:10 am

Tgt Ion: 62 Resp: 199778

Ion	Ratio	Lower	Upper
62	100		
64	33.1	13.5	53.5

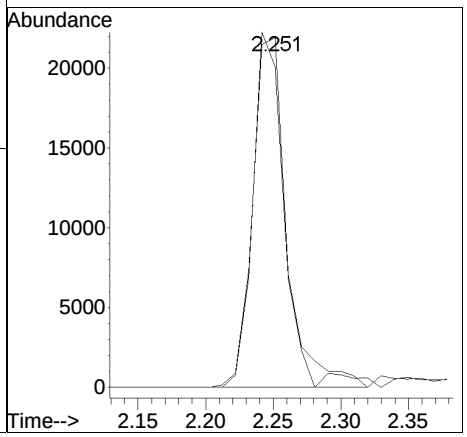


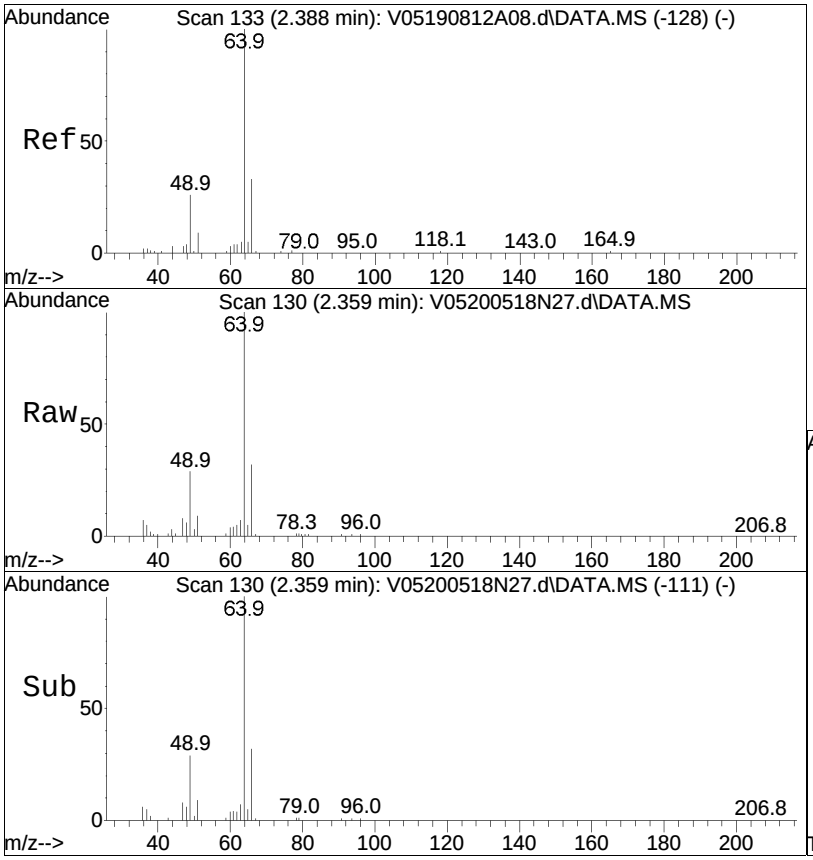


#5
Bromomethane
Concen: 2.58 ug/L
RT: 2.251 min Scan# 119
Delta R.T. 0.000 min
Lab File: V05200518N27.d
Acq: 19 May 2020 4:10 am

Tgt Ion: 94 Resp: 38566

Ion	Ratio	Lower	Upper
94	100		
96	92.4	75.4	115.4

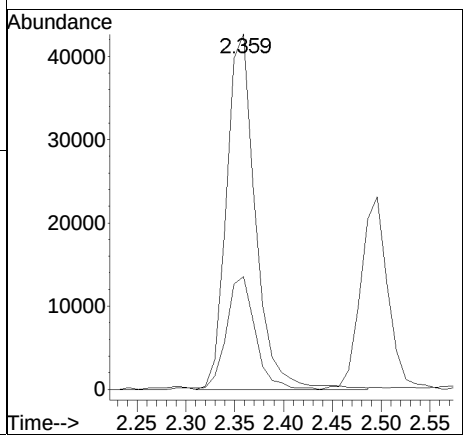


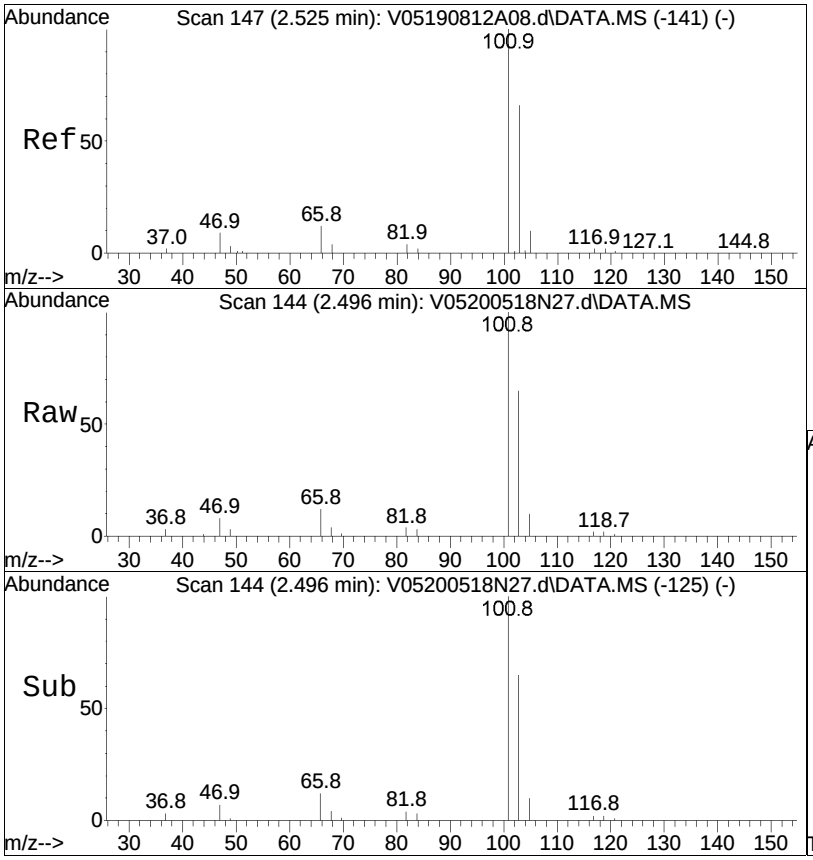


#6
Chloroethane
Concen: 6.56 ug/L
RT: 2.359 min Scan# 130
Delta R.T. -0.010 min
Lab File: V05200518N27.d
Acq: 19 May 2020 4:10 am

Tgt Ion: 64 Resp: 88065

Ion	Ratio	Lower	Upper
64	100		
66	31.9	13.8	53.8

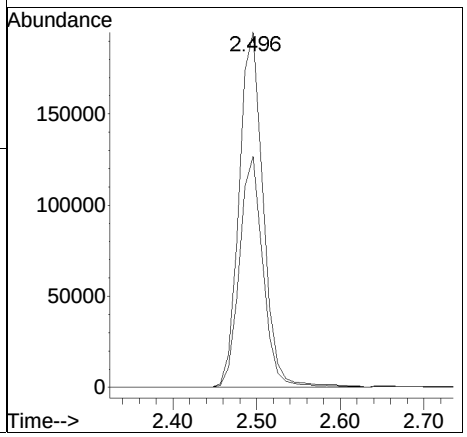


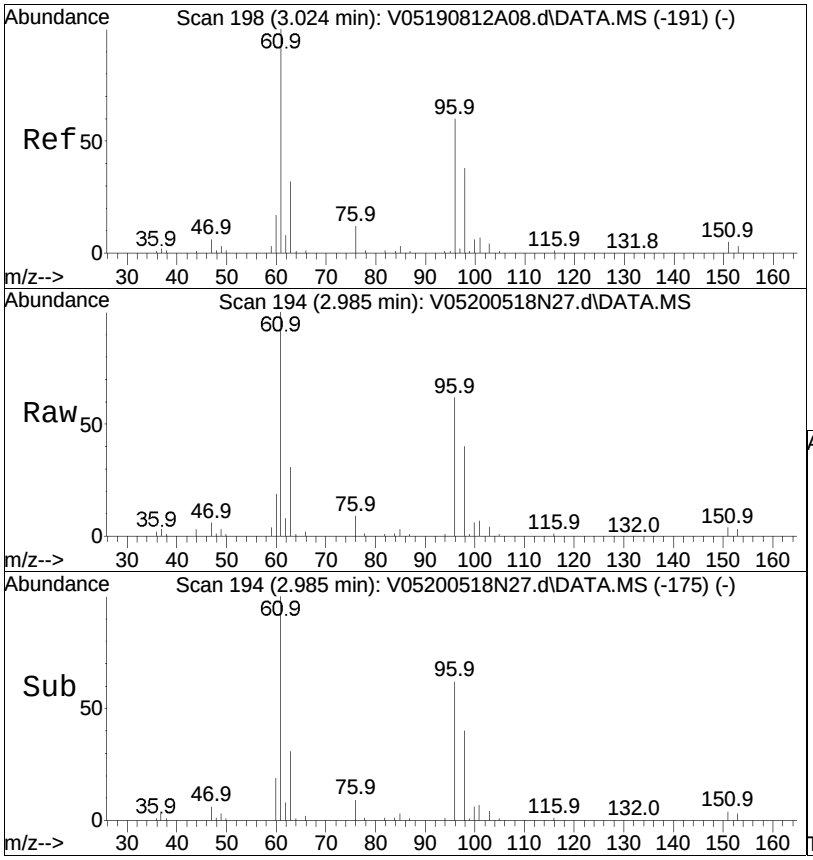


#7
Trichlorofluoromethane
Concen: 10.02 ug/L
RT: 2.496 min Scan# 144
Delta R.T. -0.010 min
Lab File: V05200518N27.d
Acq: 19 May 2020 4:10 am

Tgt Ion:101 Resp: 391221

Ion	Ratio	Lower	Upper
101	100		
103	63.5	51.8	77.6

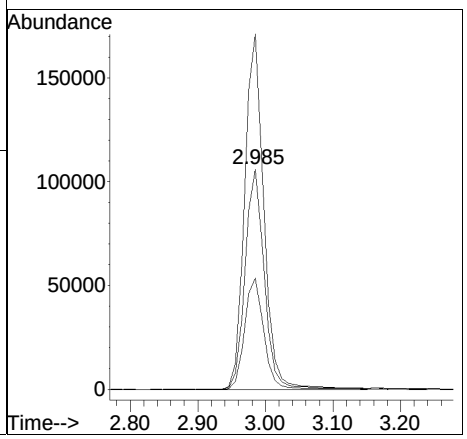


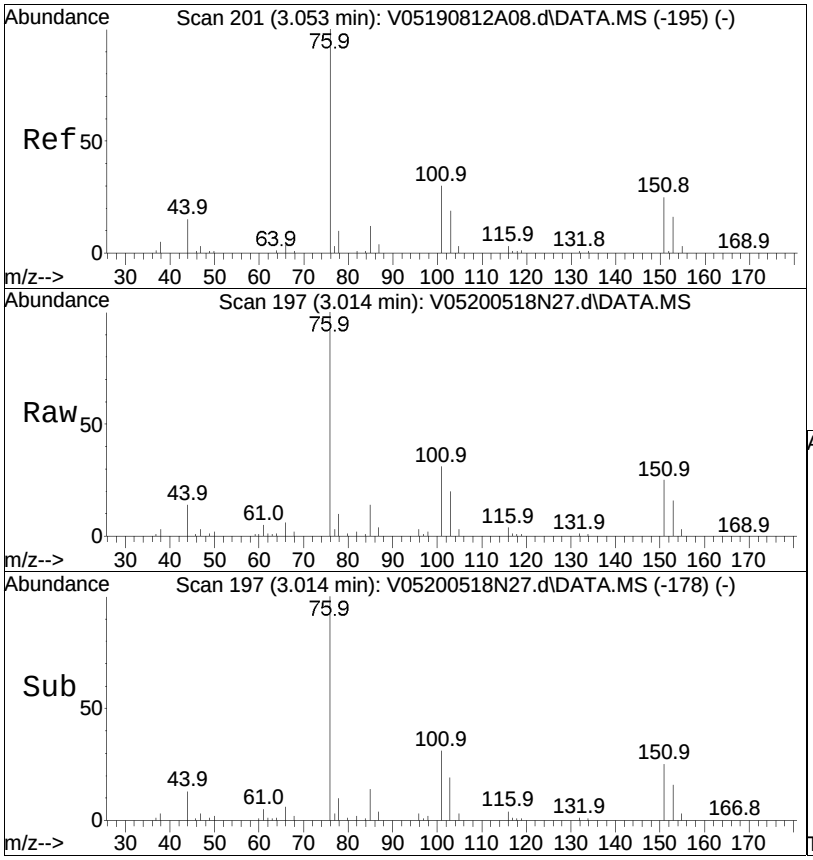


#10
1,1-Dichloroethene
Concen: 10.46 ug/L
RT: 2.985 min Scan# 194
Delta R.T. -0.010 min
Lab File: V05200518N27.d
Acq: 19 May 2020 4:10 am

Tgt Ion: 96 Resp: 211718

Ion	Ratio	Lower	Upper
96	100		
61	160.3	136.7	205.1
63	50.0	45.0	67.6

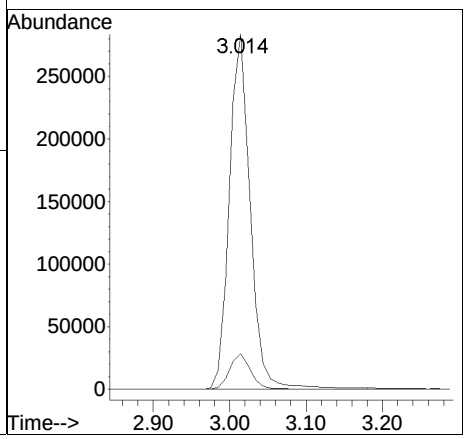


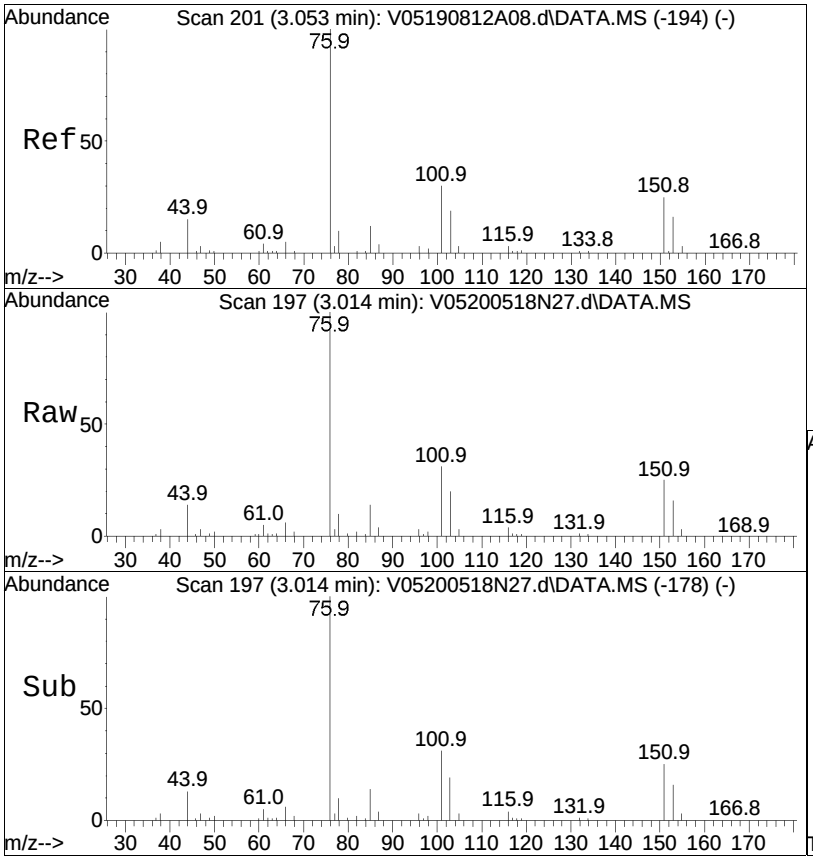


#11
Carbon disulfide
Concen: 9.81 ug/L
RT: 3.014 min Scan# 197
Delta R.T. -0.010 min
Lab File: V05200518N27.d
Acq: 19 May 2020 4:10 am

Tgt Ion: 76 Resp: 543595

Ion	Ratio	Lower	Upper
76	100		
78	10.3	6.7	13.9

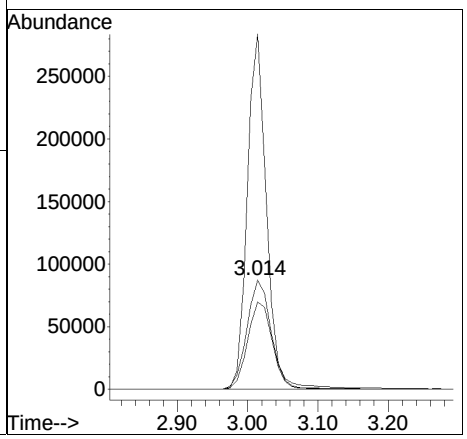


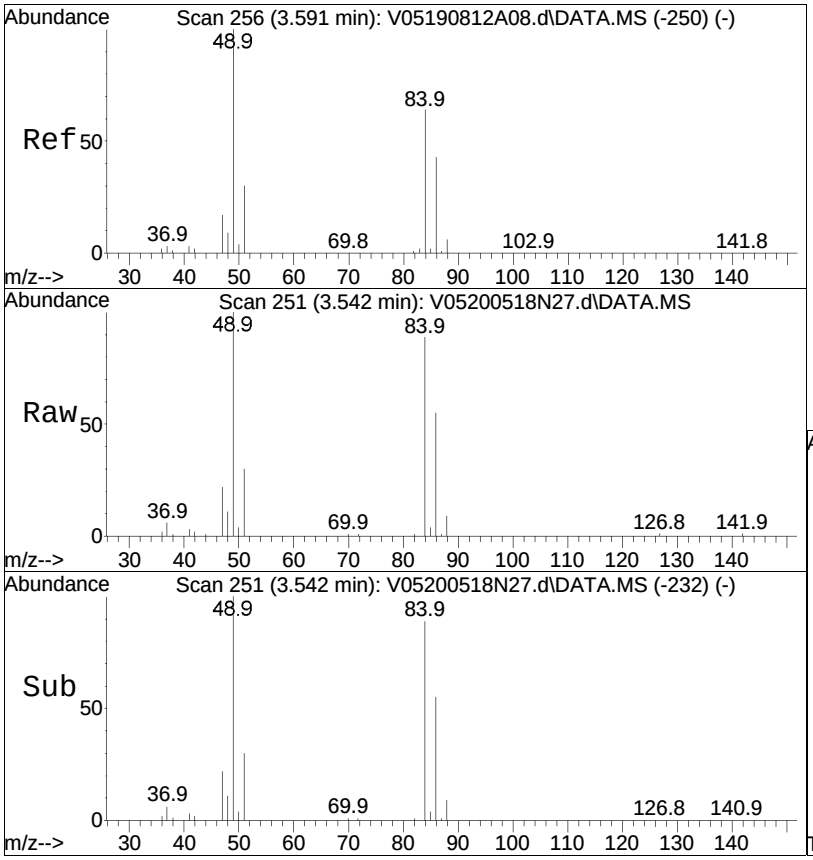


#12
Freon-113
Concen: 10.68 ug/L
RT: 3.014 min Scan# 197
Delta R.T. -0.010 min
Lab File: V05200518N27.d
Acq: 19 May 2020 4:10 am

Tgt Ion:101 Resp: 213617

Ion	Ratio	Lower	Upper
101	100		
151	80.6	65.0	97.6
76	254.5	190.0	285.0

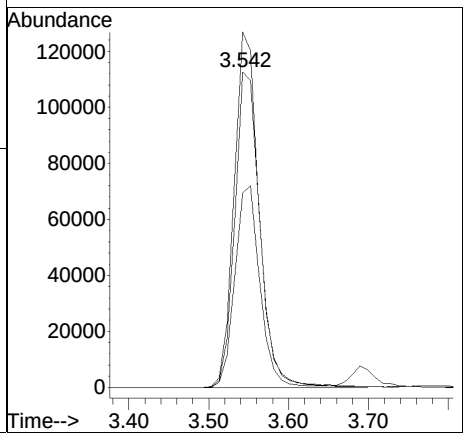


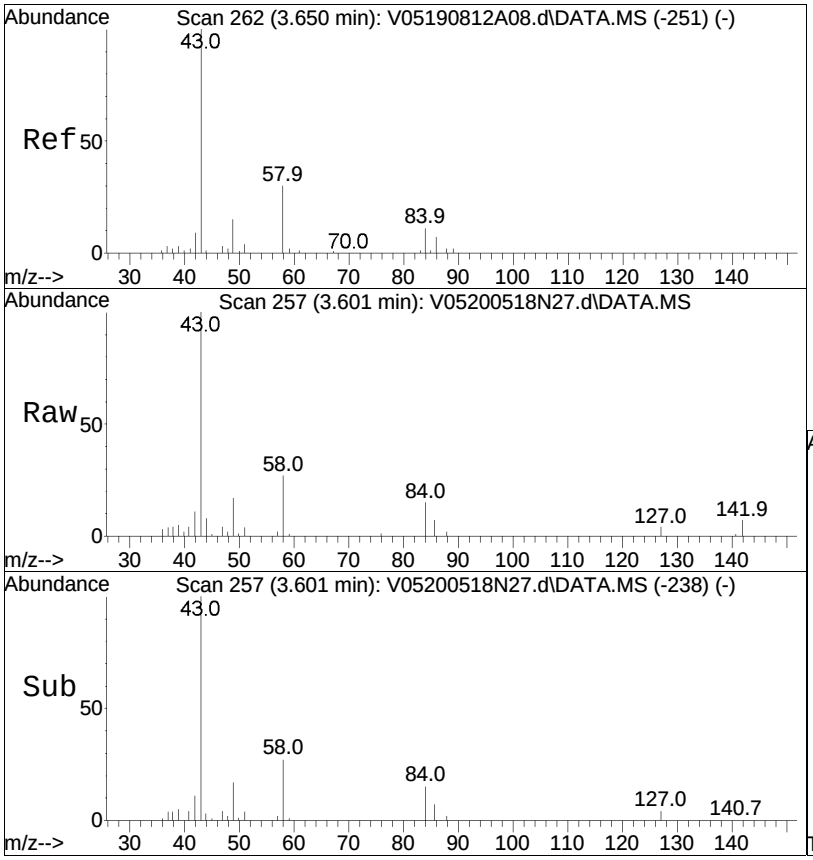


#15
Methylene chloride
Concen: 11.12 ug/L
RT: 3.542 min Scan# 251
Delta R.T. -0.010 min
Lab File: V05200518N27.d
Acq: 19 May 2020 4:10 am

Tgt Ion: 84 Resp: 247820

Ion	Ratio	Lower	Upper
84	100		
86	63.7	42.1	87.5
49	110.8	69.3	143.9

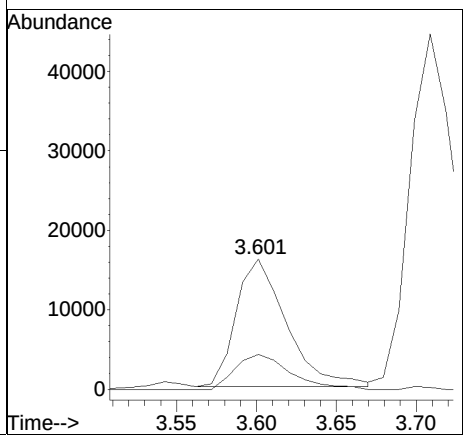


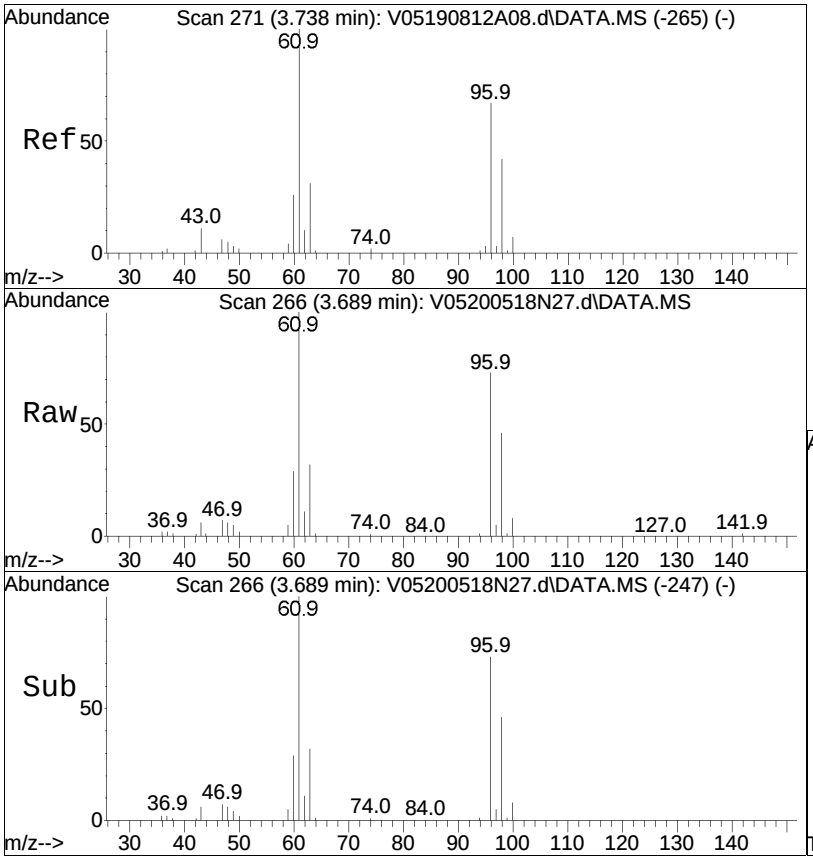


#17
Acetone
Concen: 11.14 ug/L
RT: 3.601 min Scan# 257
Delta R.T. -0.010 min
Lab File: V05200518N27.d
Acq: 19 May 2020 4:10 am

Tgt Ion: 43 Resp: 35397

Ion	Ratio	Lower	Upper
43	100		
58	29.9	22.0	33.0

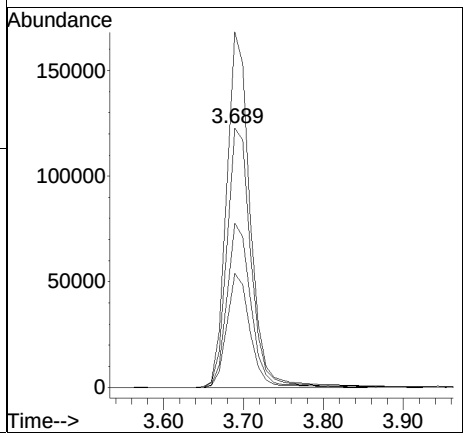


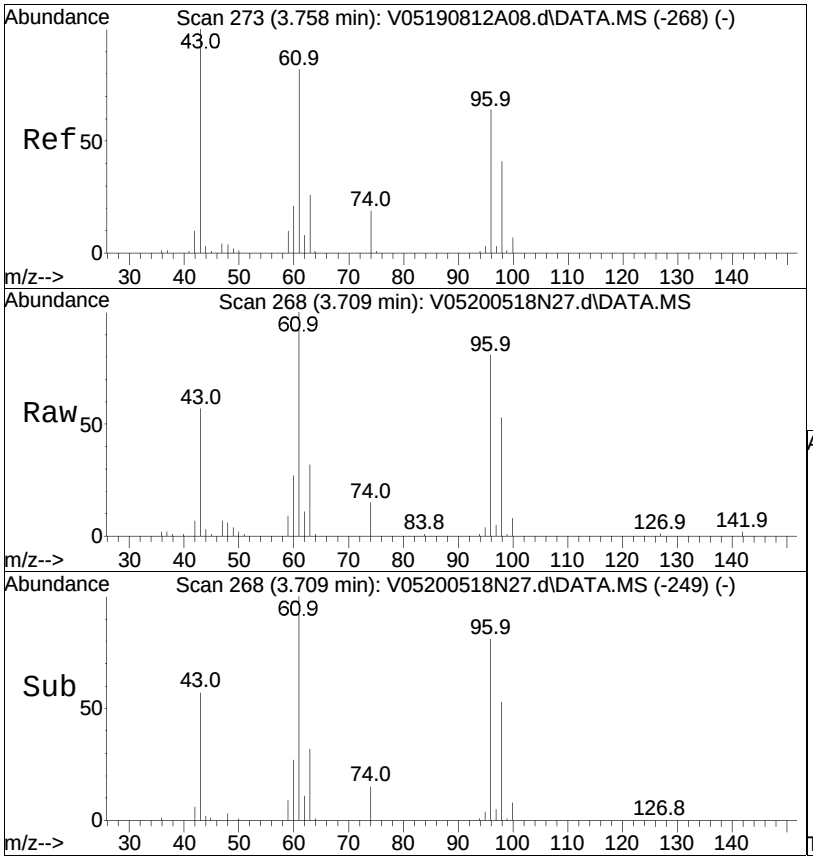


#18
trans-1,2-Dichloroethene
Concen: 11.35 ug/L
RT: 3.689 min Scan# 266
Delta R.T. -0.010 min
Lab File: V05200518N27.d
Acq: 19 May 2020 4:10 am

Tgt Ion: 96 Resp: 258212

Ion	Ratio	Lower	Upper
96	100		
61	134.3	91.7	190.5
98	62.6	41.1	85.5
63	42.6	29.4	61.0

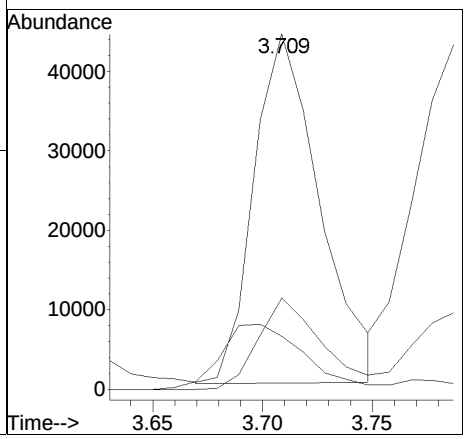


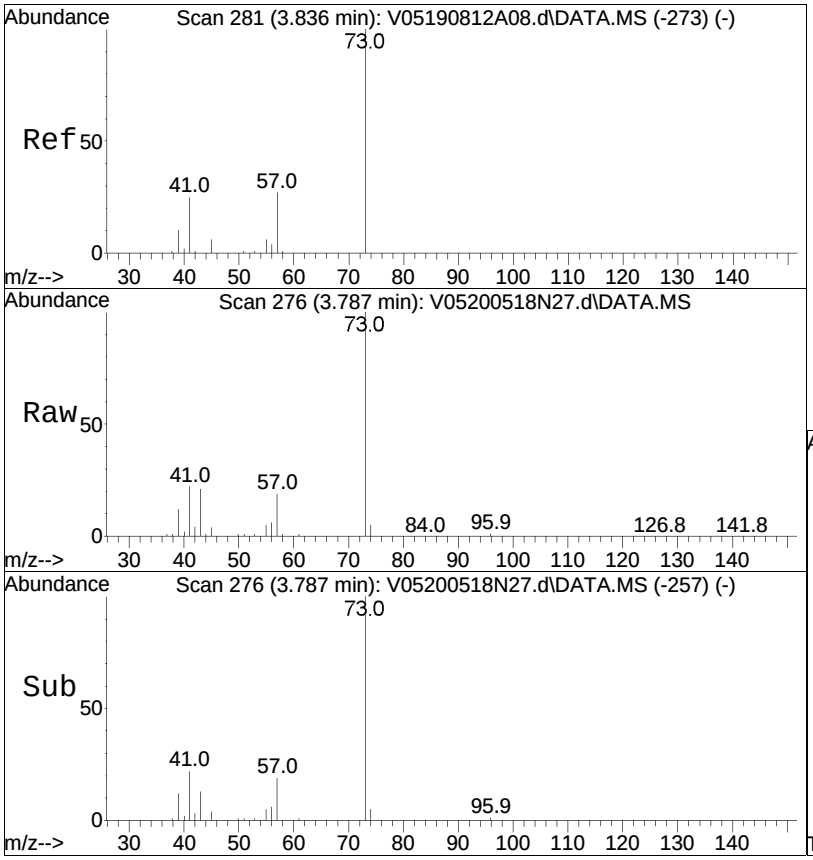


#19
Methyl acetate
Concen: 10.37 ug/L
RT: 3.709 min Scan# 268
Delta R.T. -0.009 min
Lab File: V05200518N27.d
Acq: 19 May 2020 4:10 am

Tgt Ion: 43 Resp: 91779

Ion	Ratio	Lower	Upper
43	100		
74	25.0	23.1	34.7
59	23.6	23.9	35.9#

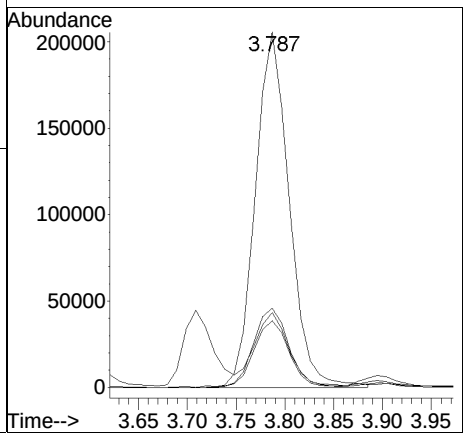


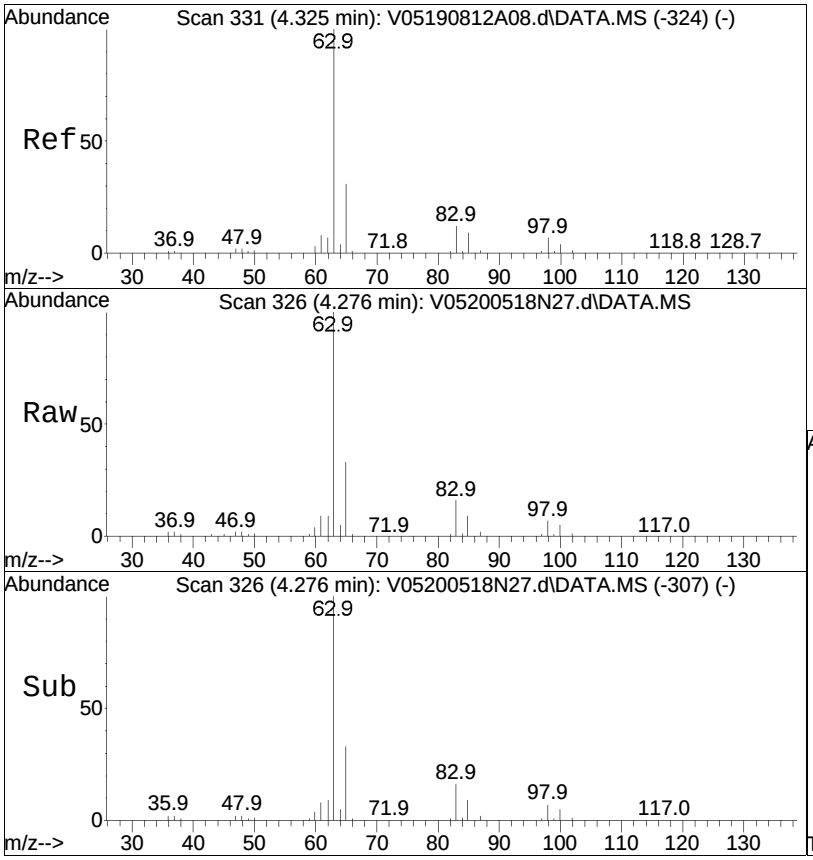


#20
Methyl tert-butyl ether
Concen: 10.15 ug/L
RT: 3.787 min Scan# 276
Delta R.T. -0.010 min
Lab File: V05200518N27.d
Acq: 19 May 2020 4:10 am

Tgt Ion: 73 Resp: 497266

Ion	Ratio	Lower	Upper
73	100		
57	19.4	11.8	24.6
43	20.7	13.5	27.9
41	23.3	13.3	27.5

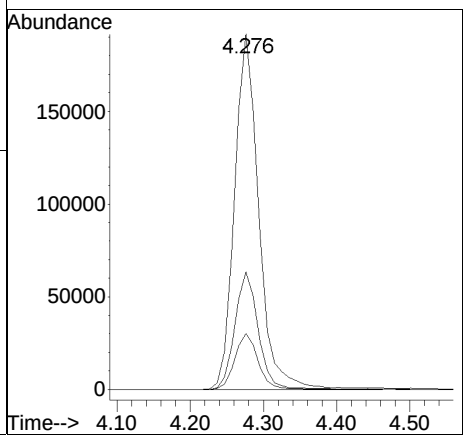


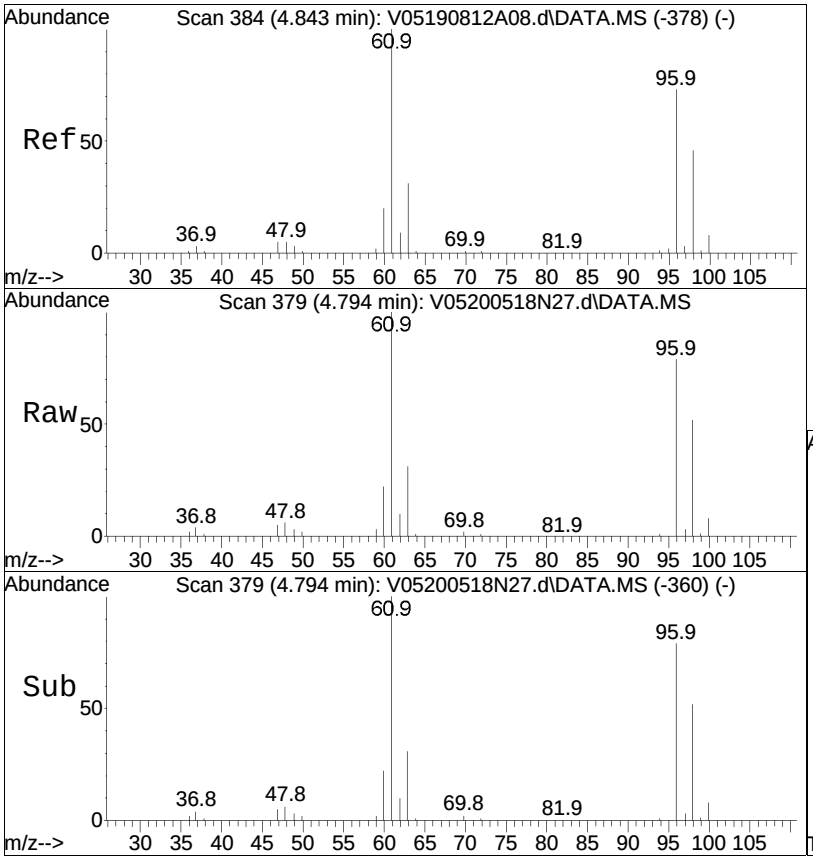


#23
1,1-Dichloroethane
Concen: 11.01 ug/L
RT: 4.276 min Scan# 326
Delta R.T. -0.010 min
Lab File: V05200518N27.d
Acq: 19 May 2020 4:10 am

Tgt Ion: 63 Resp: 441694

Ion	Ratio	Lower	Upper
63	100		
65	31.8	11.9	51.9
83	15.1	0.0	34.2

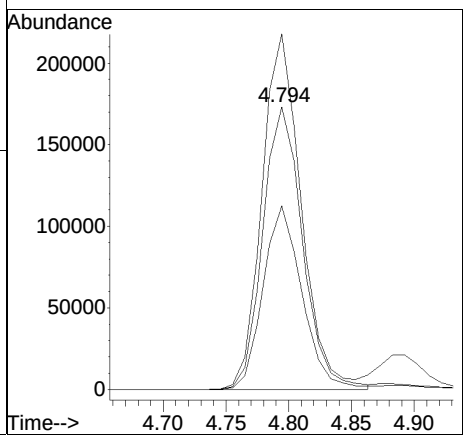


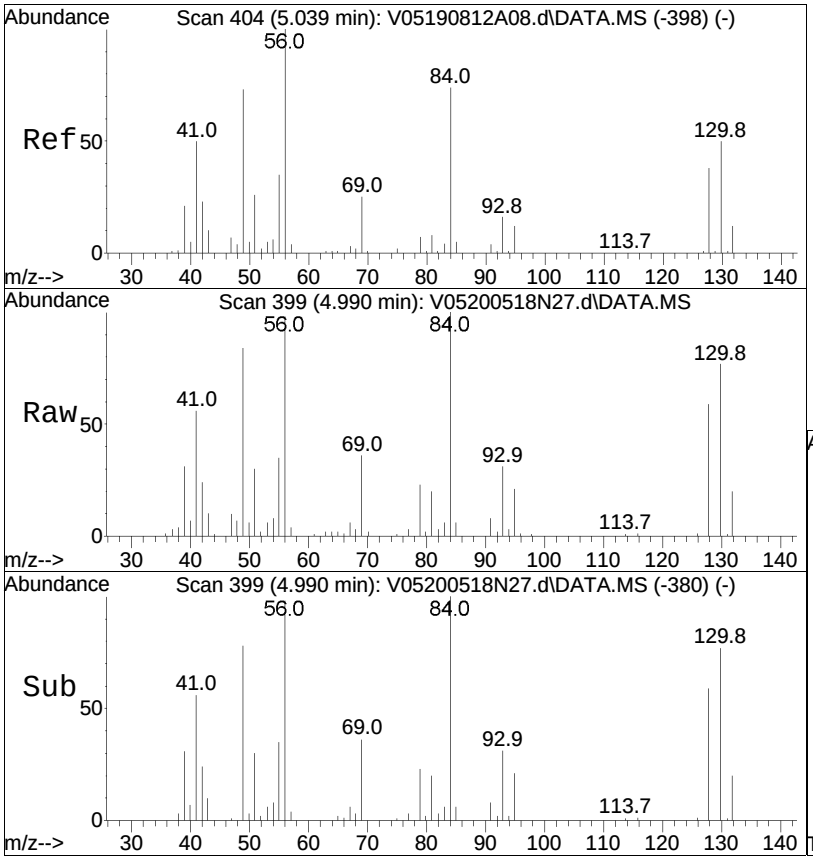


#28
cis-1,2-Dichloroethene
Concen: 15.49 ug/L
RT: 4.794 min Scan# 379
Delta R.T. -0.010 min
Lab File: V05200518N27.d
Acq: 19 May 2020 4:10 am

Tgt Ion: 96 Resp: 381355

Ion	Ratio	Lower	Upper
96	100		
61	123.8	100.5	150.7
98	64.1	49.8	74.8

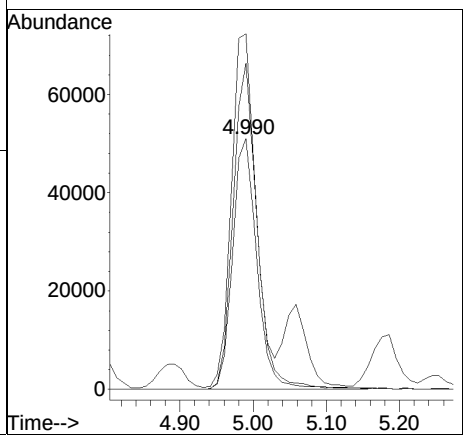


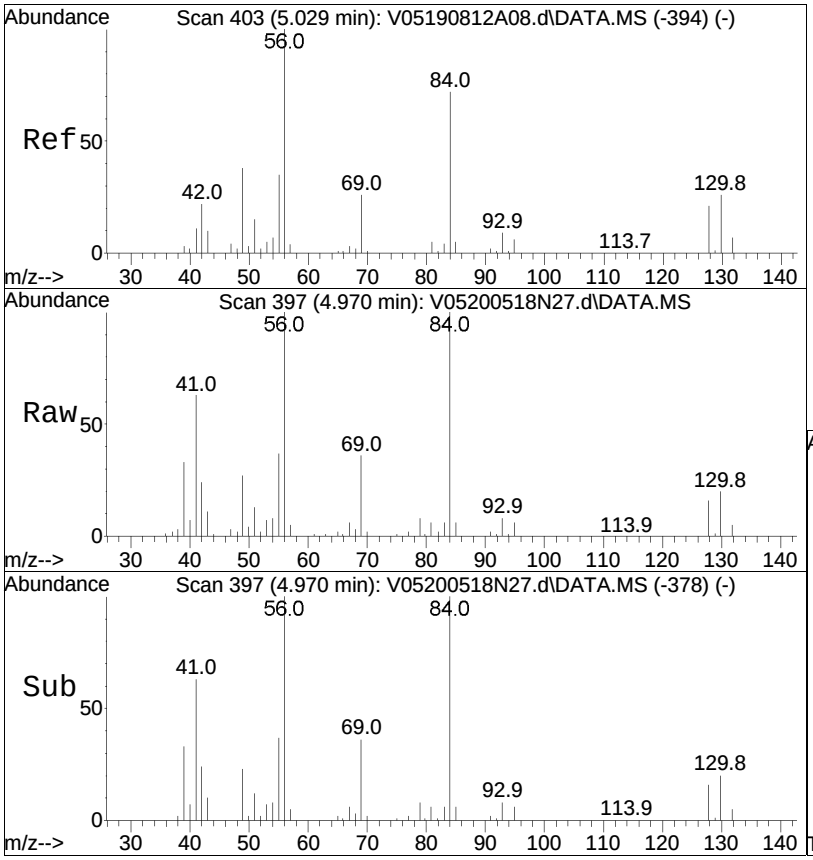


#30
Bromochloromethane
Concen: 10.65 ug/L
RT: 4.990 min Scan# 399
Delta R.T. -0.010 min
Lab File: V05200518N27.d
Acq: 19 May 2020 4:10 am

Tgt Ion:128 Resp: 118710

Ion	Ratio	Lower	Upper
128	100		
49	140.6	109.0	163.4
130	128.0	105.6	158.4

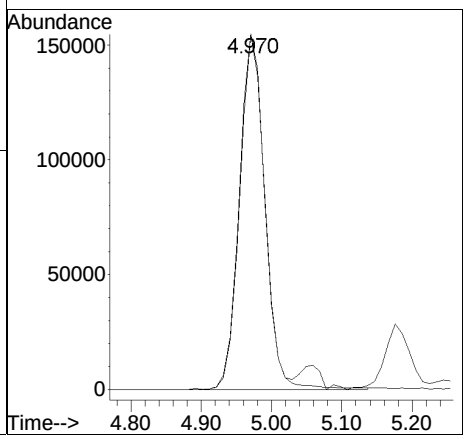


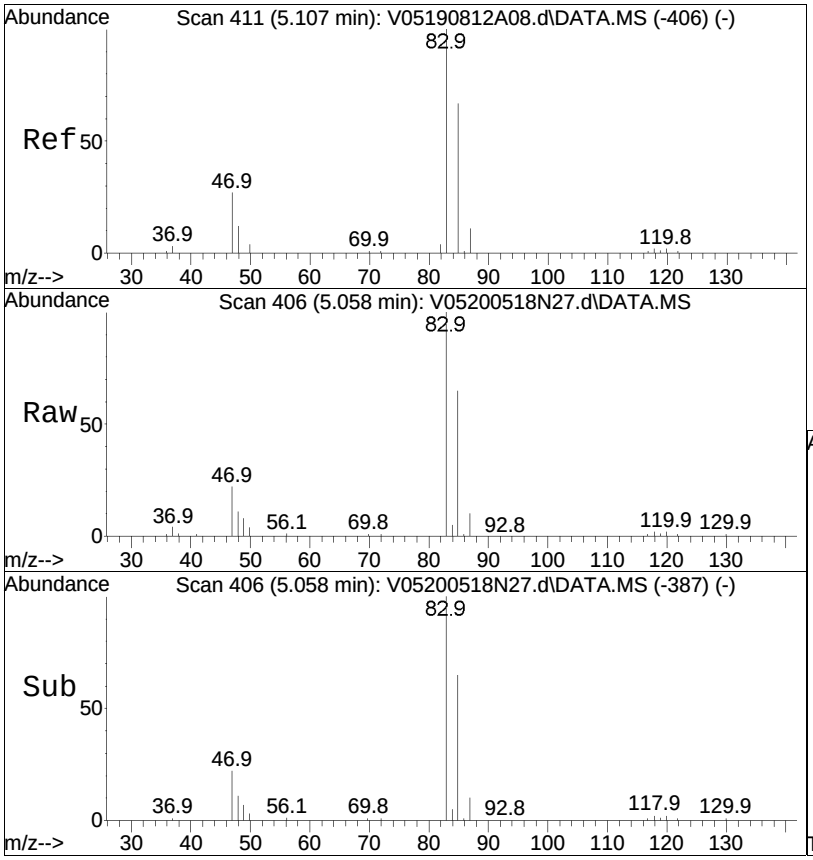


#31
Cyclohexane
Concen: 11.10 ug/L
RT: 4.970 min Scan# 397
Delta R.T. -0.010 min
Lab File: V05200518N27.d
Acq: 19 May 2020 4:10 am

Tgt Ion: 56 Resp: 391771

Ion	Ratio	Lower	Upper
56	100		
84	96.9	64.4	133.8

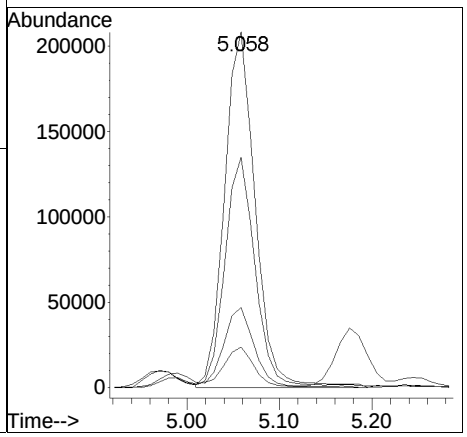


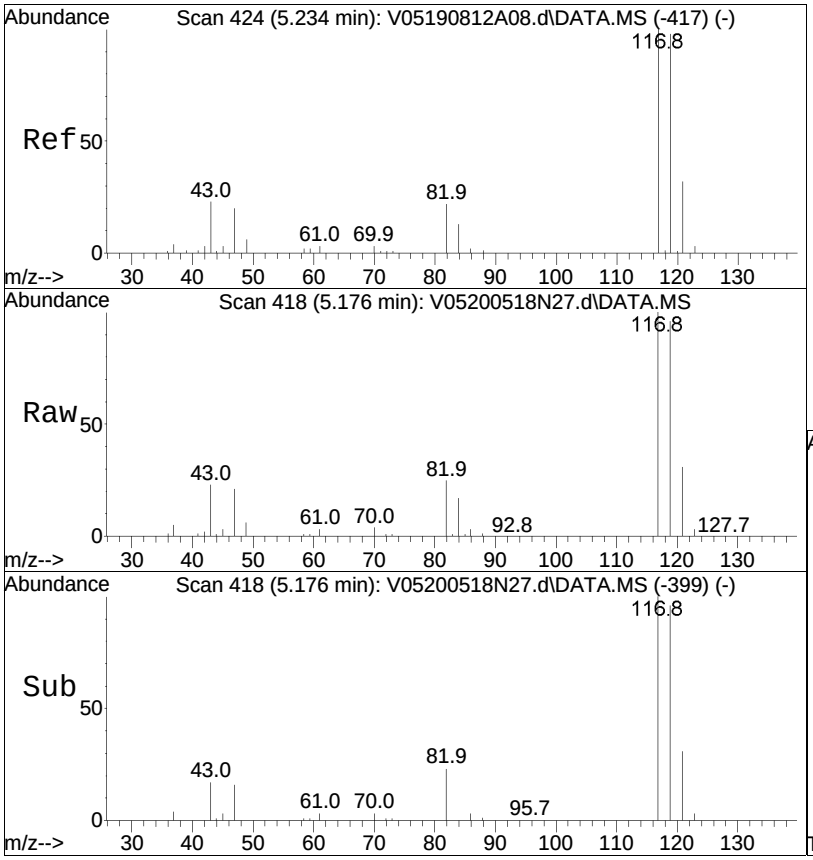


#32
Chloroform
Concen: 11.89 ug/L
RT: 5.058 min Scan# 406
Delta R.T. -0.010 min
Lab File: V05200518N27.d
Acq: 19 May 2020 4:10 am

Tgt Ion: 83 Resp: 482015

Ion	Ratio	Lower	Upper
83	100		
85	61.8	42.8	89.0
47	21.0	13.7	28.4
48	11.4	6.9	14.3

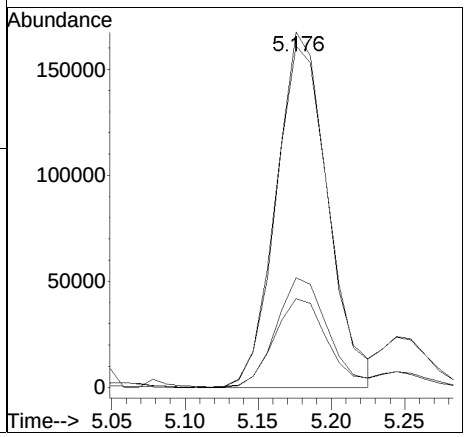


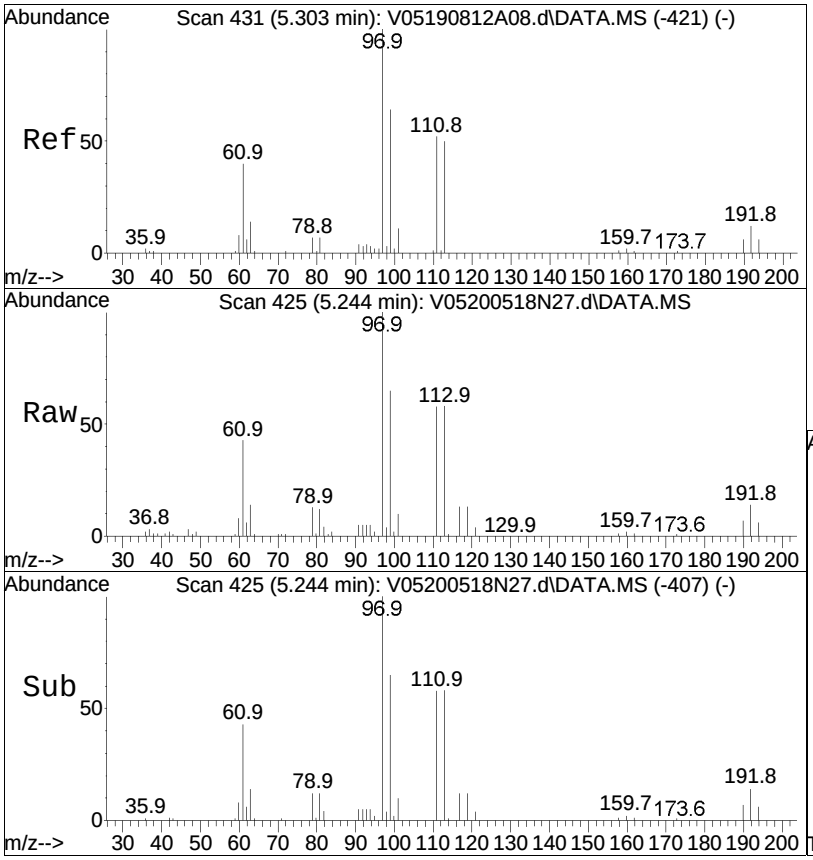


#34
Carbon tetrachloride
Concen: 11.28 ug/L
RT: 5.176 min Scan# 418
Delta R.T. -0.010 min
Lab File: V05200518N27.d
Acq: 19 May 2020 4:10 am

Tgt Ion:117 Resp: 410030

Ion	Ratio	Lower	Upper
117	100		
119	97.9	63.6	132.2
121	30.9	19.8	41.0
82	25.8	15.9	32.9

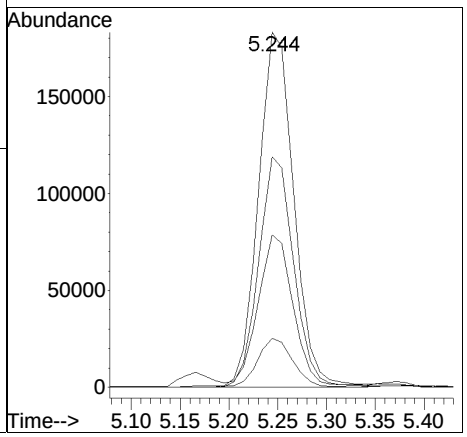


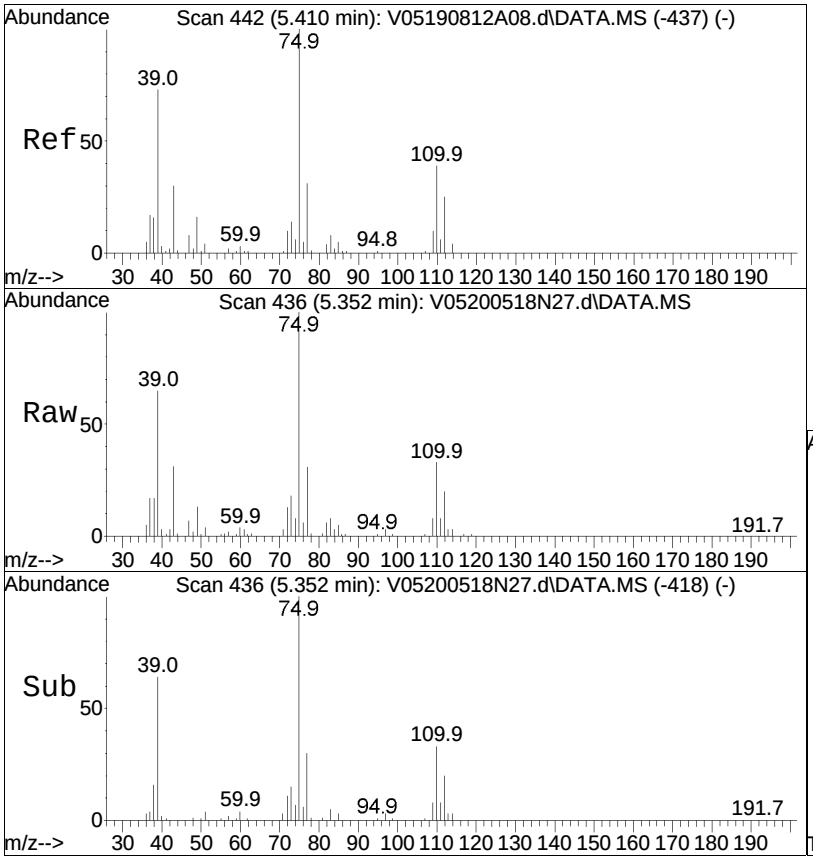


#37
1,1,1-Trichloroethane
Concen: 11.93 ug/L
RT: 5.244 min Scan# 425
Delta R.T. -0.020 min
Lab File: V05200518N27.d
Acq: 19 May 2020 4:10 am

Tgt Ion: 97 Resp: 463666

Ion	Ratio	Lower	Upper
97	100		
99	64.9	41.7	86.5
61	42.4	26.1	54.3
63	14.4	8.5	17.6

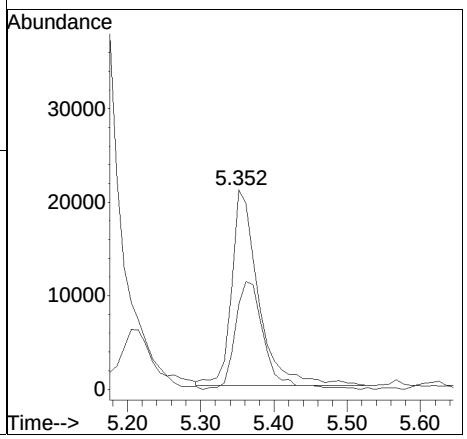


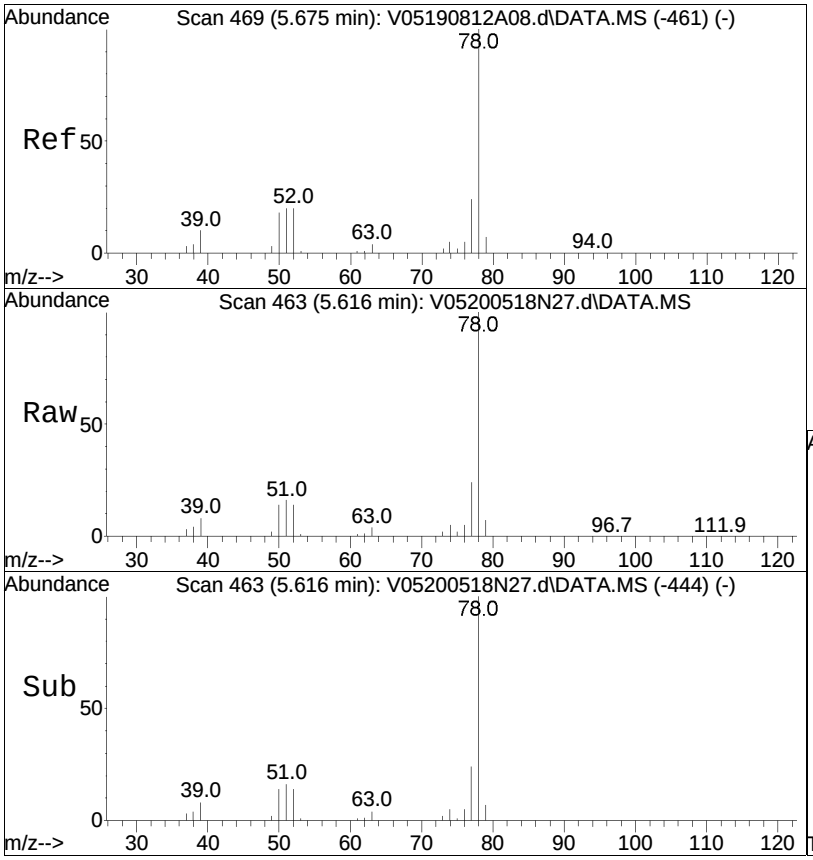


#39
2-Butanone
Concen: 11.64 ug/L
RT: 5.352 min Scan# 436
Delta R.T. -0.019 min
Lab File: V05200518N27.d
Acq: 19 May 2020 4:10 am

Tgt Ion: 43 Resp: 53882

Ion	Ratio	Lower	Upper
43	100		
72	59.3	55.6	83.4

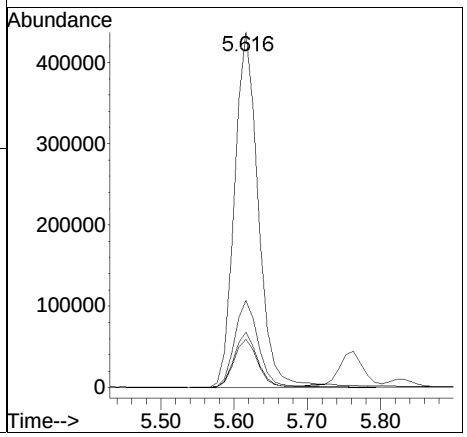


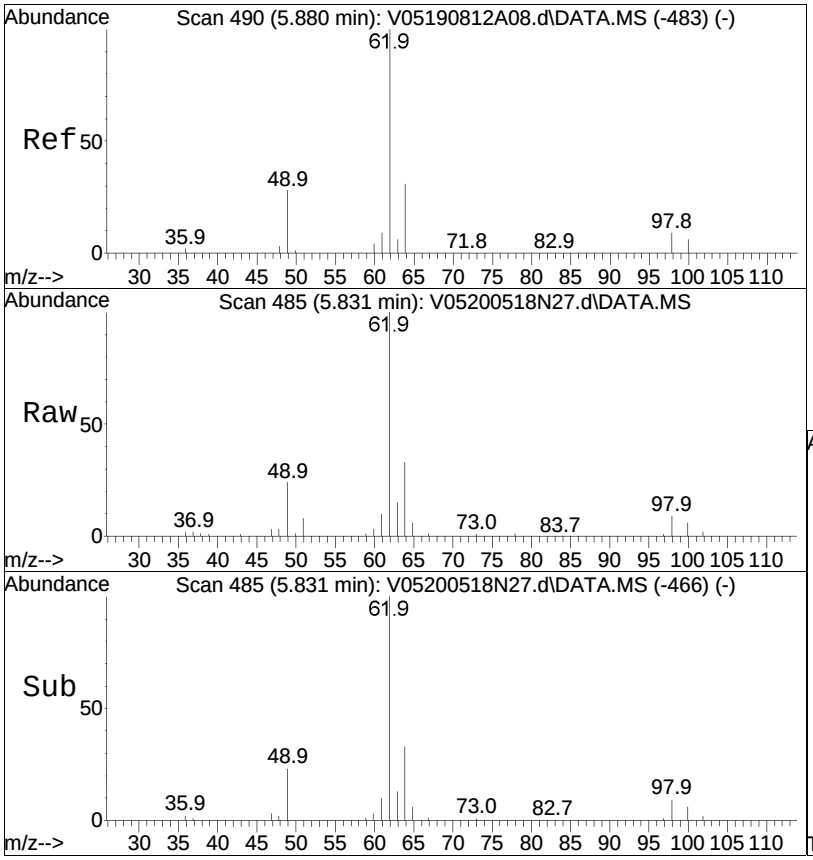


#41
Benzene
Concen: 10.81 ug/L
RT: 5.616 min Scan# 463
Delta R.T. -0.010 min
Lab File: V05200518N27.d
Acq: 19 May 2020 4:10 am

Tgt Ion: 78 Resp: 994807

Ion	Ratio	Lower	Upper
78	100		
77	24.7	15.2	31.6
51	15.0	10.5	21.7
52	13.3	9.5	19.7

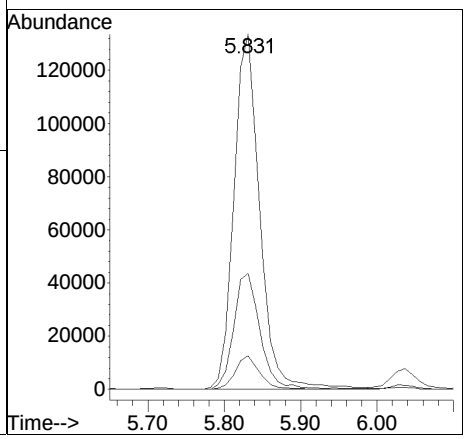


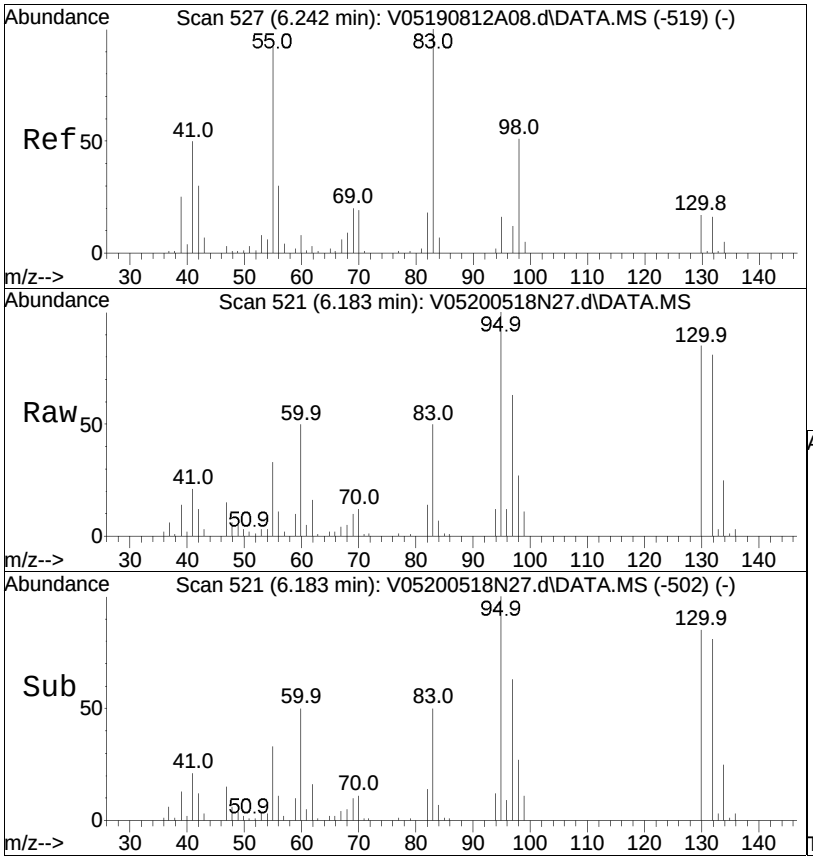


#44
1,2-Dichloroethane
Concen: 11.53 ug/L
RT: 5.831 min Scan# 485
Delta R.T. -0.010 min
Lab File: V05200518N27.d
Acq: 19 May 2020 4:10 am

Tgt Ion: 62 Resp: 314942

Ion	Ratio	Lower	Upper
62	100		
64	33.5	13.2	53.2
98	9.0	0.0	27.8

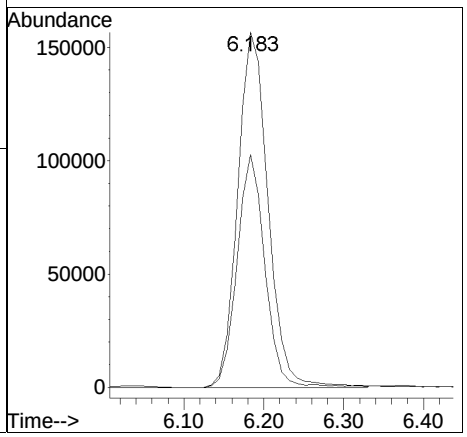


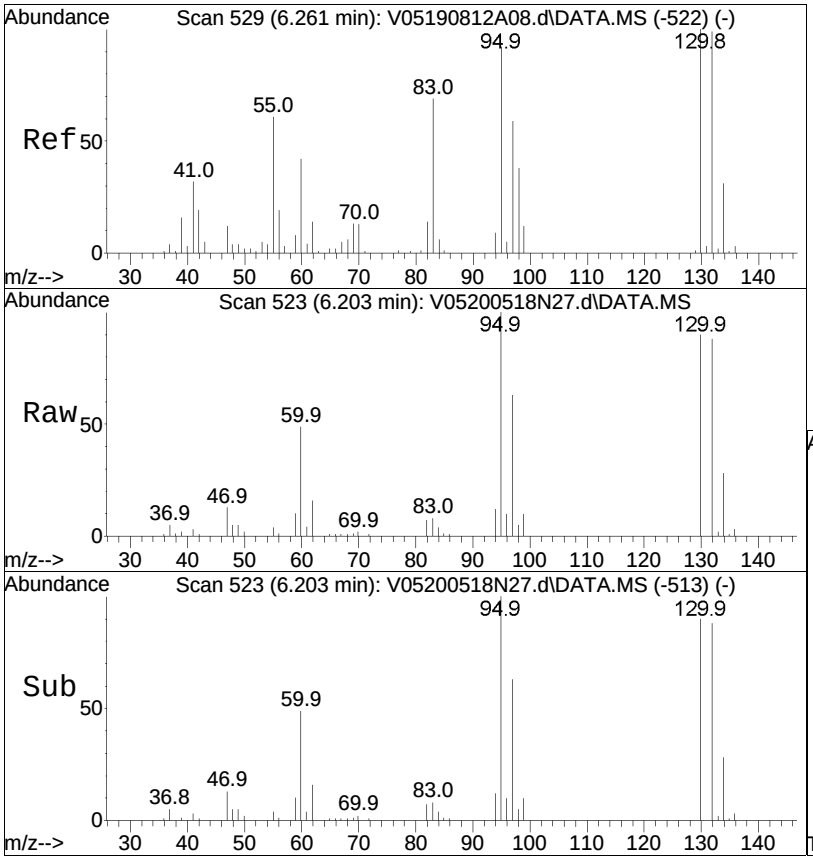


#47
Methyl cyclohexane
Concen: 10.26 ug/L
RT: 6.183 min Scan# 521
Delta R.T. -0.010 min
Lab File: V05200518N27.d
Acq: 19 May 2020 4:10 am

Tgt Ion: 83 Resp: 414186

Ion	Ratio	Lower	Upper
83	100		
55	60.2	57.3	85.9

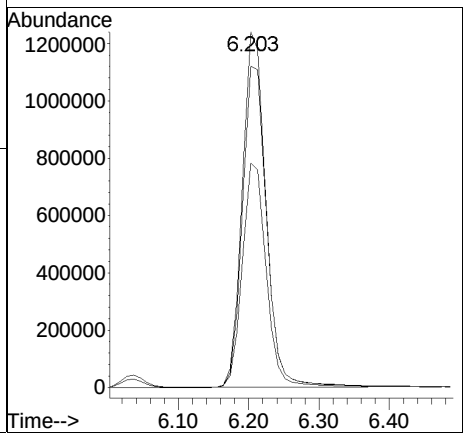


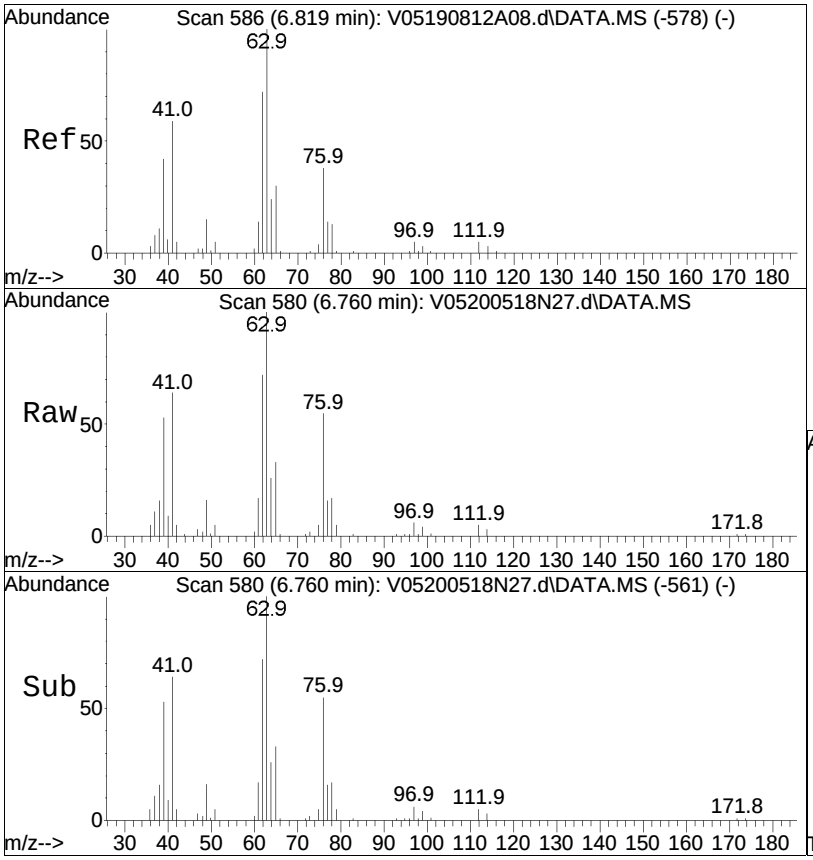


#48
Trichloroethene
Concen: 111.73 ug/L
RT: 6.203 min Scan# 523
Delta R.T. -0.019 min
Lab File: V05200518N27.d
Acq: 19 May 2020 4:10 am

Tgt Ion: 95 Resp: 2922989

Ion	Ratio	Lower	Upper
95	100		
97	63.9	56.1	84.1
130	92.7	77.7	116.5

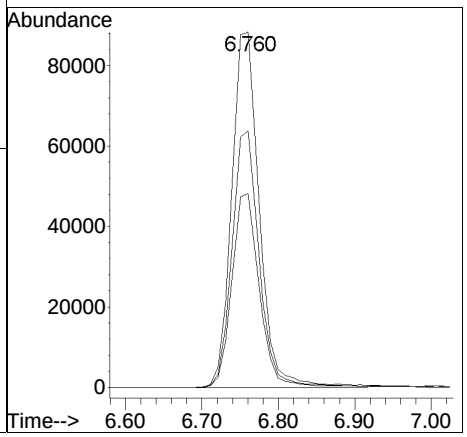


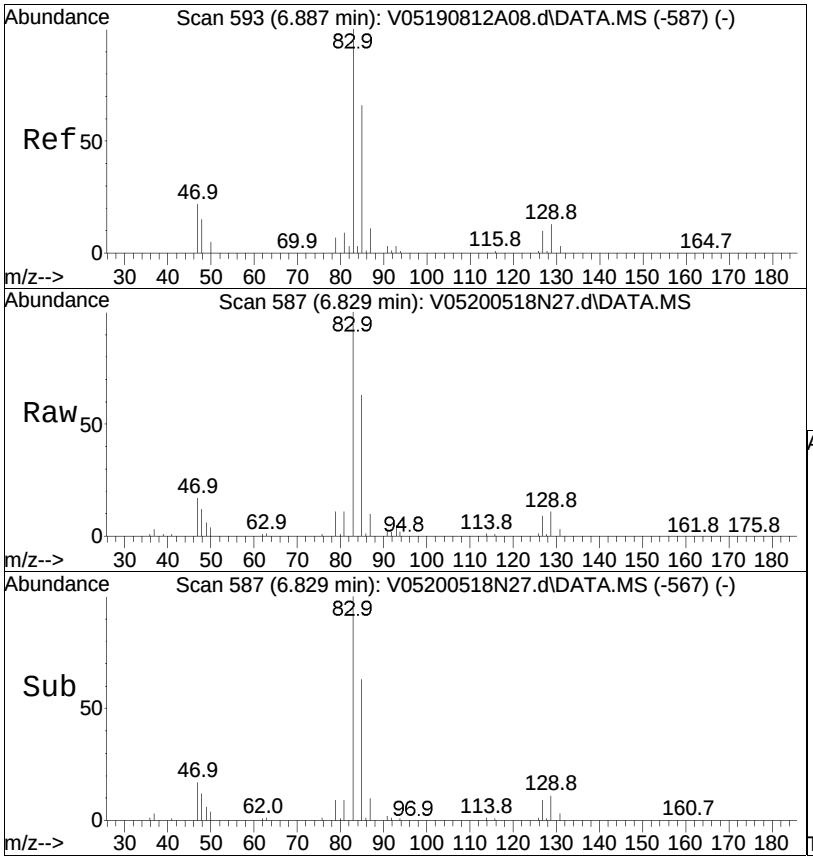


#51
1,2-Dichloropropane
Concen: 10.22 ug/L
RT: 6.760 min Scan# 580
Delta R.T. -0.010 min
Lab File: V05200518N27.d
Acq: 19 May 2020 4:10 am

Tgt Ion: 63 Resp: 222404

Ion	Ratio	Lower	Upper
63	100		
62	70.9	57.0	85.4
76	54.0	48.4	72.6

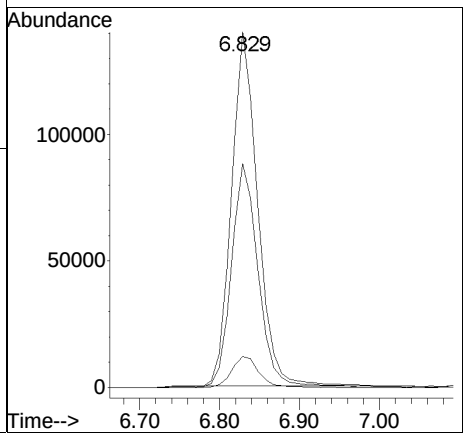


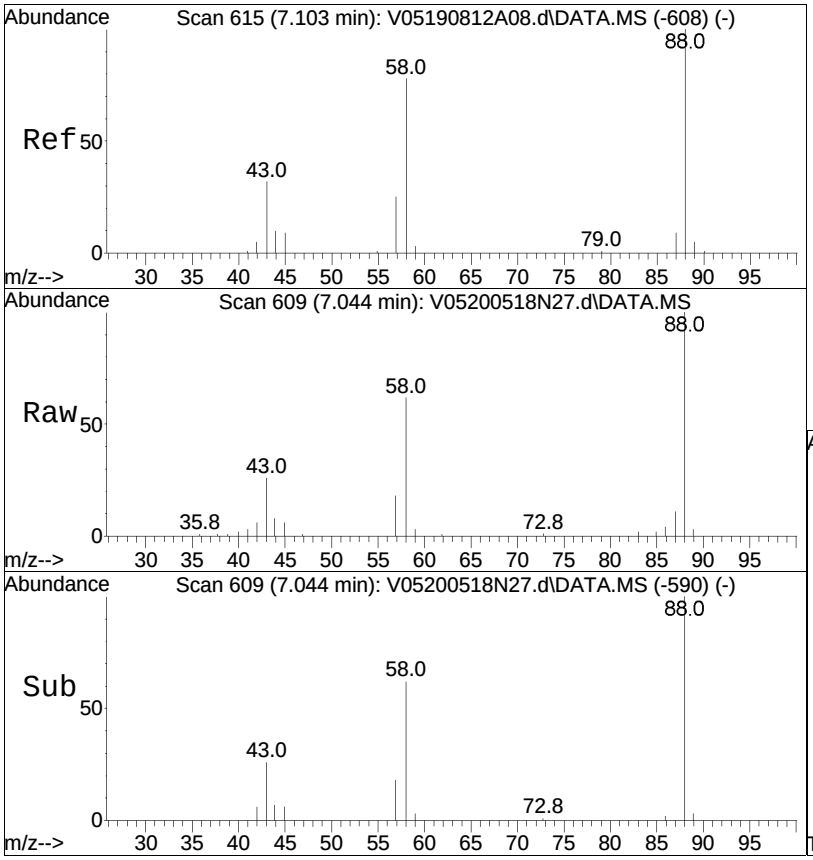


#54
Bromodichloromethane
Concen: 10.46 ug/L
RT: 6.829 min Scan# 587
Delta R.T. -0.009 min
Lab File: V05200518N27.d
Acq: 19 May 2020 4:10 am

Tgt Ion: 83 Resp: 319951

Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.0	76.6
127	9.1	6.7	10.1

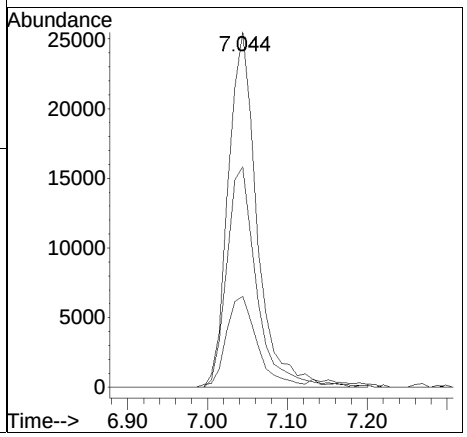


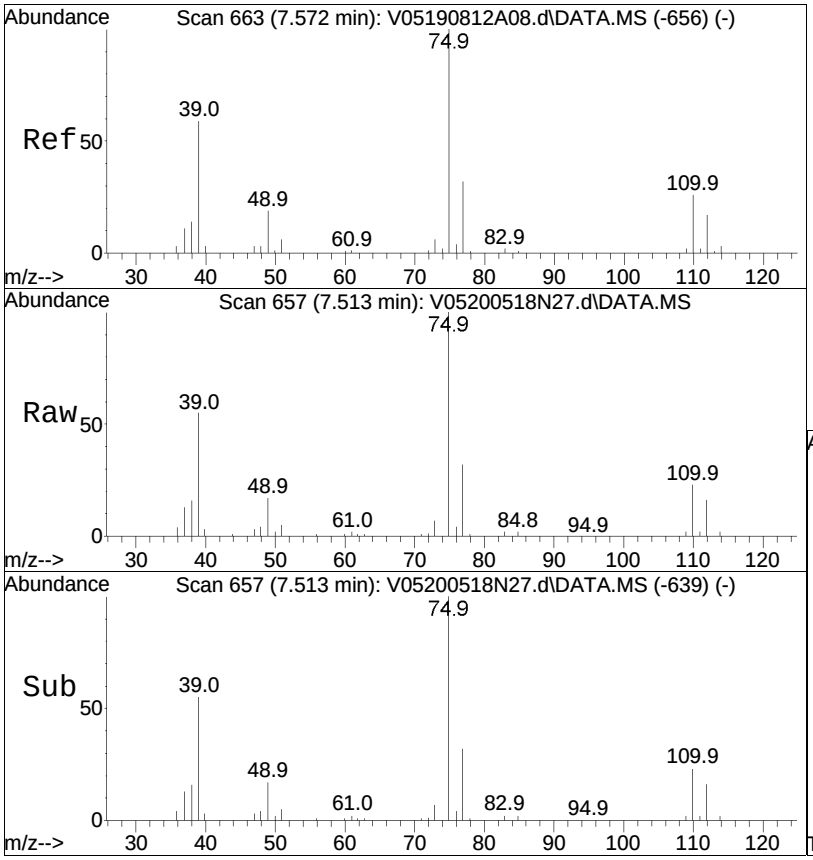


#57
1,4-Dioxane
Concen: 586.82 ug/L
RT: 7.044 min Scan# 609
Delta R.T. -0.010 min
Lab File: V05200518N27.d
Acq: 19 May 2020 4:10 am

Tgt Ion: 88 Resp: 65164

Ion	Ratio	Lower	Upper
88	100		
58	63.3	50.6	75.8
43	27.4	20.5	30.7

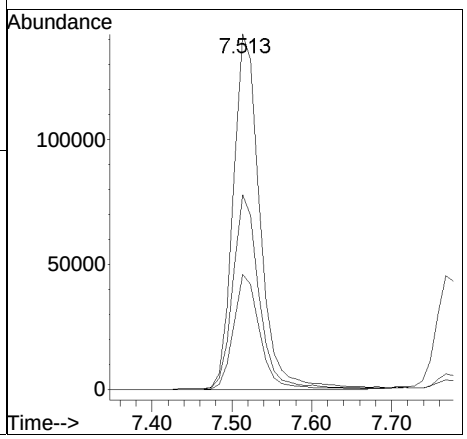


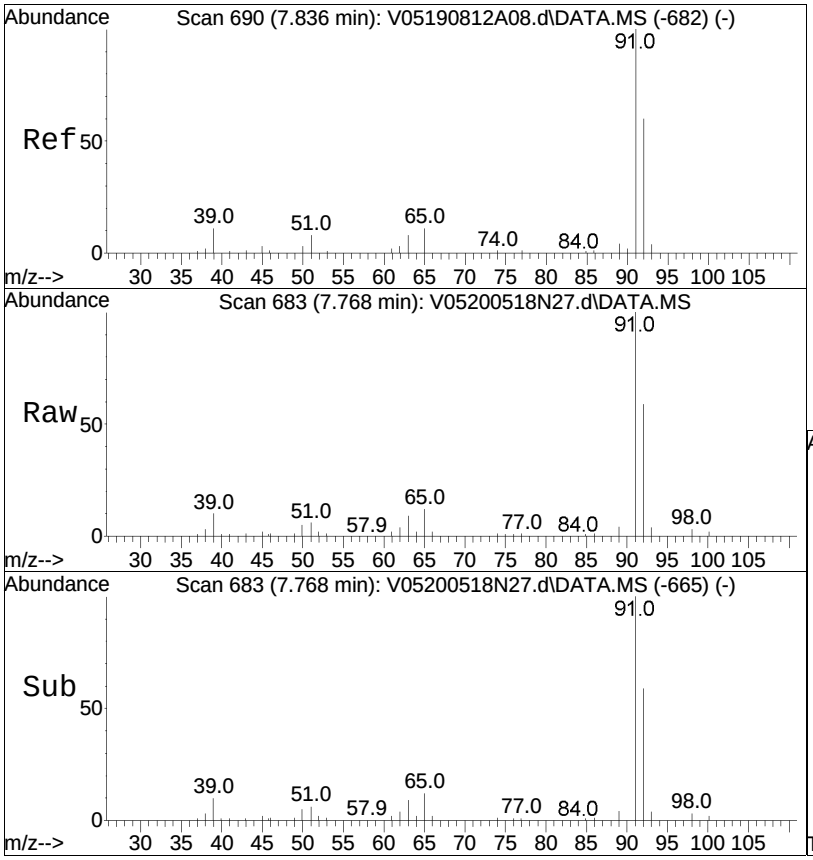


#58
cis-1,3-Dichloropropene
Concen: 9.22 ug/L
RT: 7.513 min Scan# 657
Delta R.T. -0.020 min
Lab File: V05200518N27.d
Acq: 19 May 2020 4:10 am

Tgt Ion: 75 Resp: 332583

Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.5	38.3
39	54.2	40.4	60.6

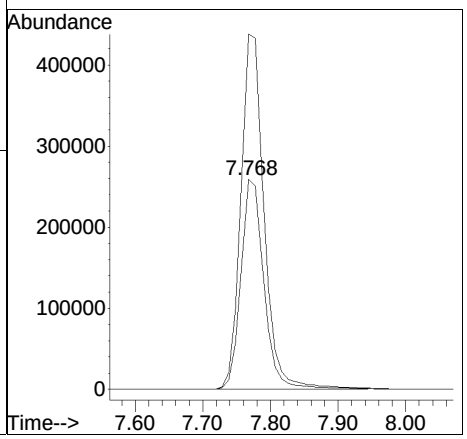


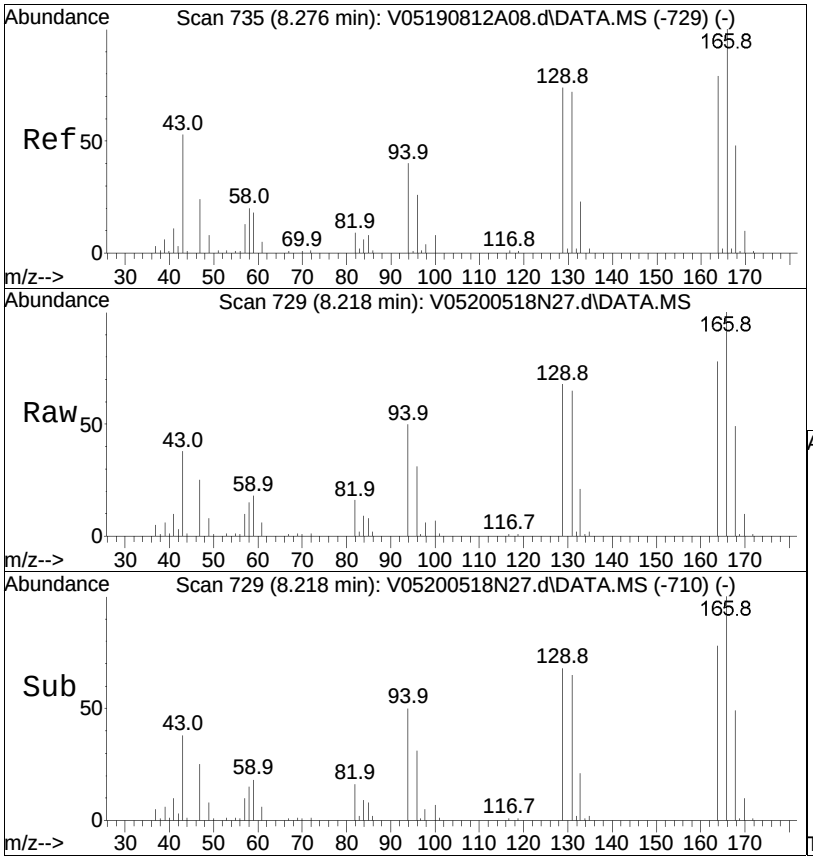


#61
Toluene
Concen: 10.68 ug/L
RT: 7.768 min Scan# 683
Delta R.T. -0.019 min
Lab File: V05200518N27.d
Acq: 19 May 2020 4:10 am

Tgt Ion: 92 Resp: 617068

Ion	Ratio	Lower	Upper
92	100		
91	170.0	135.2	202.8

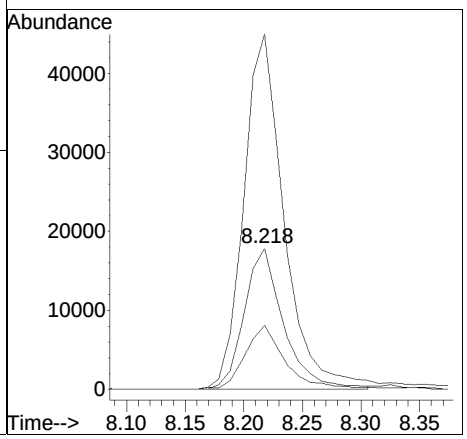


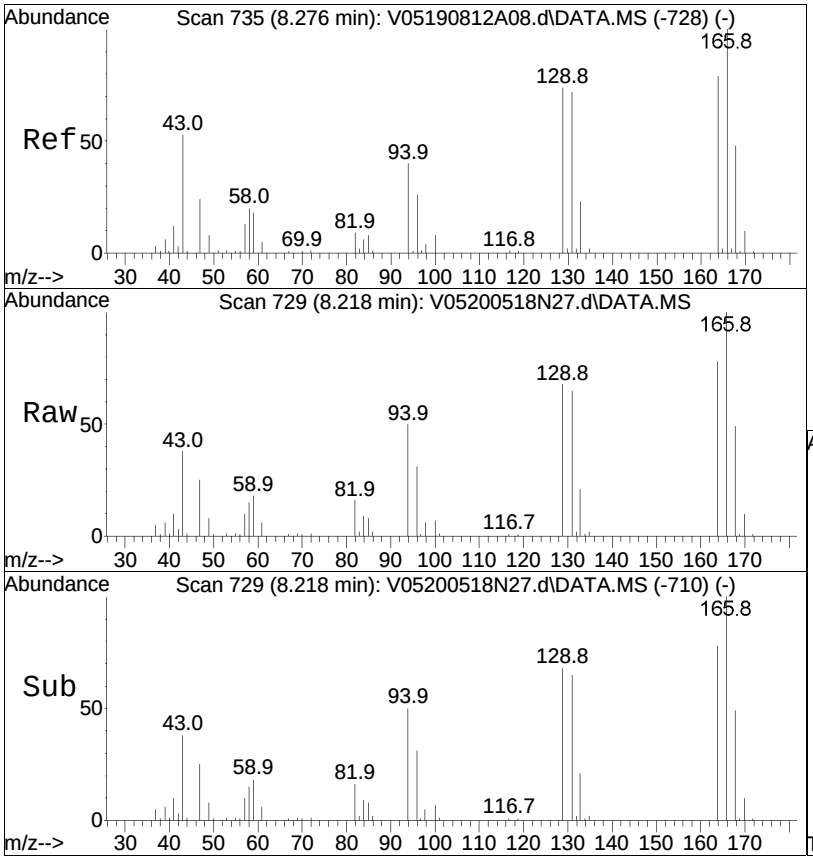


#62
4-Methyl-2-pentanone
Concen: 9.74 ug/L
RT: 8.218 min Scan# 729
Delta R.T. -0.009 min
Lab File: V05200518N27.d
Acq: 19 May 2020 4:10 am

Tgt Ion: 58 Resp: 41773

Ion	Ratio	Lower	Upper
58	100		
100	47.3	38.9	58.3
43	264.2	204.2	306.2

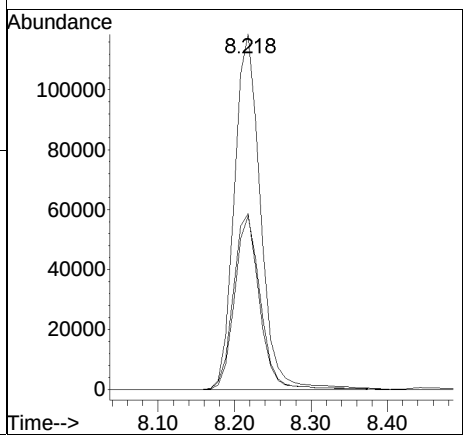


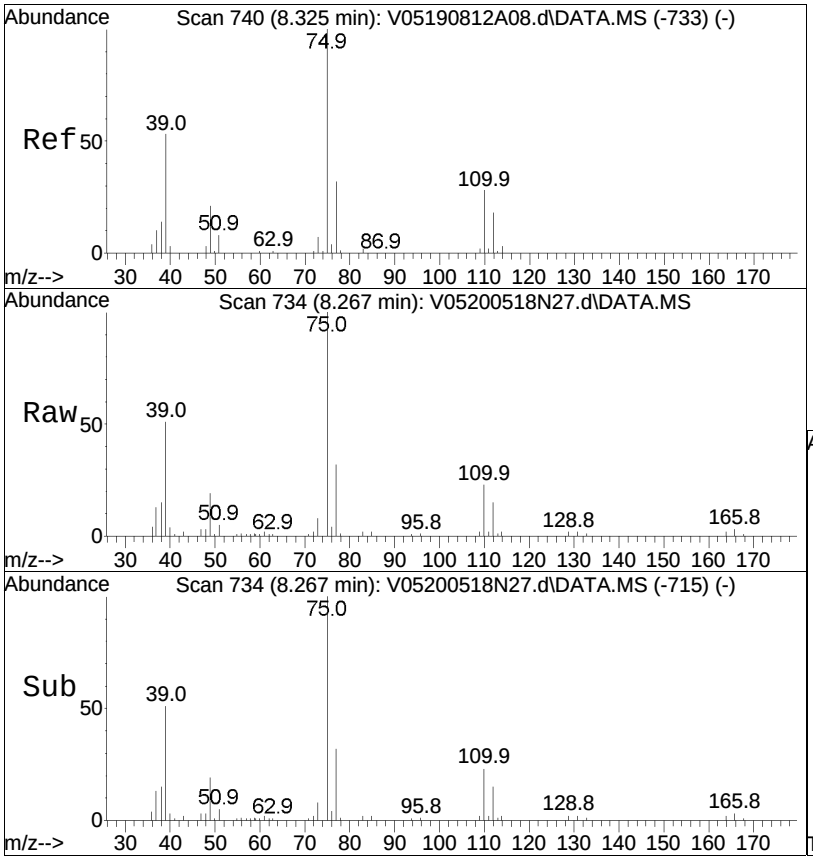


#63
Tetrachloroethene
Concen: 10.28 ug/L
RT: 8.218 min Scan# 729
Delta R.T. -0.009 min
Lab File: V05200518N27.d
Acq: 19 May 2020 4:10 am

Tgt Ion:166 Resp: 282456

Ion	Ratio	Lower	Upper
166	100		
168	48.3	30.2	70.2
94	49.4	32.5	72.5

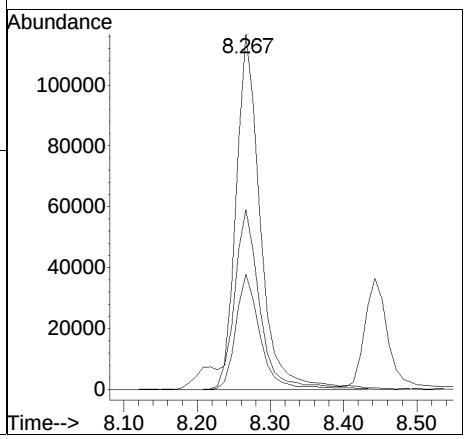


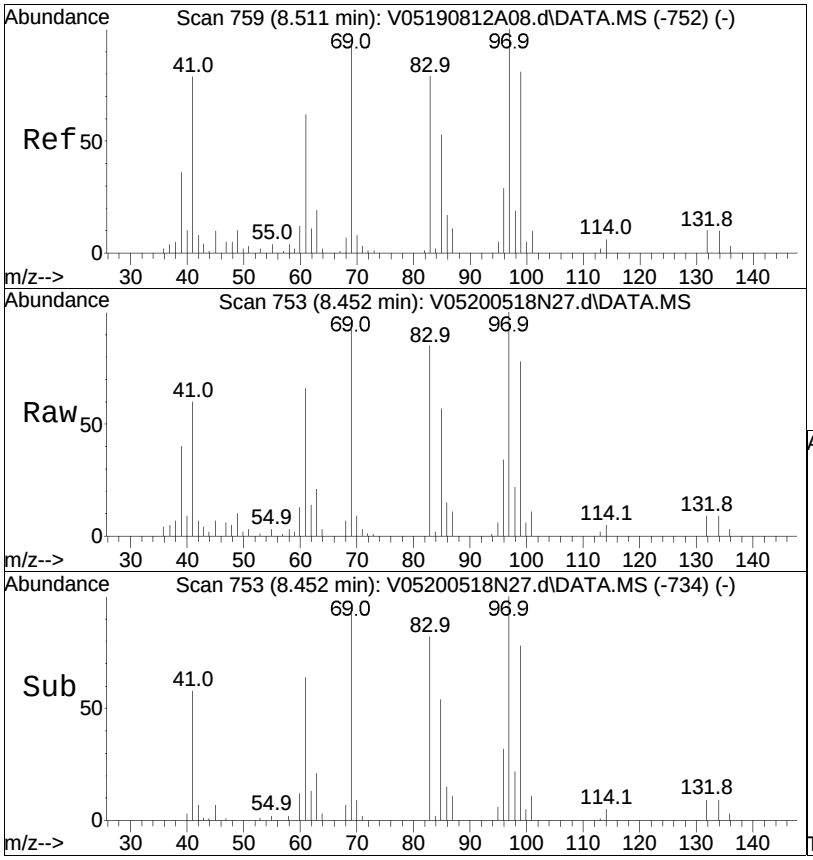


#65
trans-1,3-Dichloropropene
Concen: 9.58 ug/L
RT: 8.267 min Scan# 734
Delta R.T. -0.009 min
Lab File: V05200518N27.d
Acq: 19 May 2020 4:10 am

Tgt Ion: 75 Resp: 269351

Ion	Ratio	Lower	Upper
75	100		
77	32.6	11.5	51.5
39	58.0	29.3	69.3

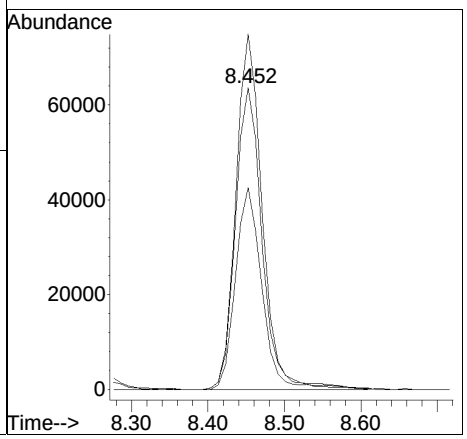


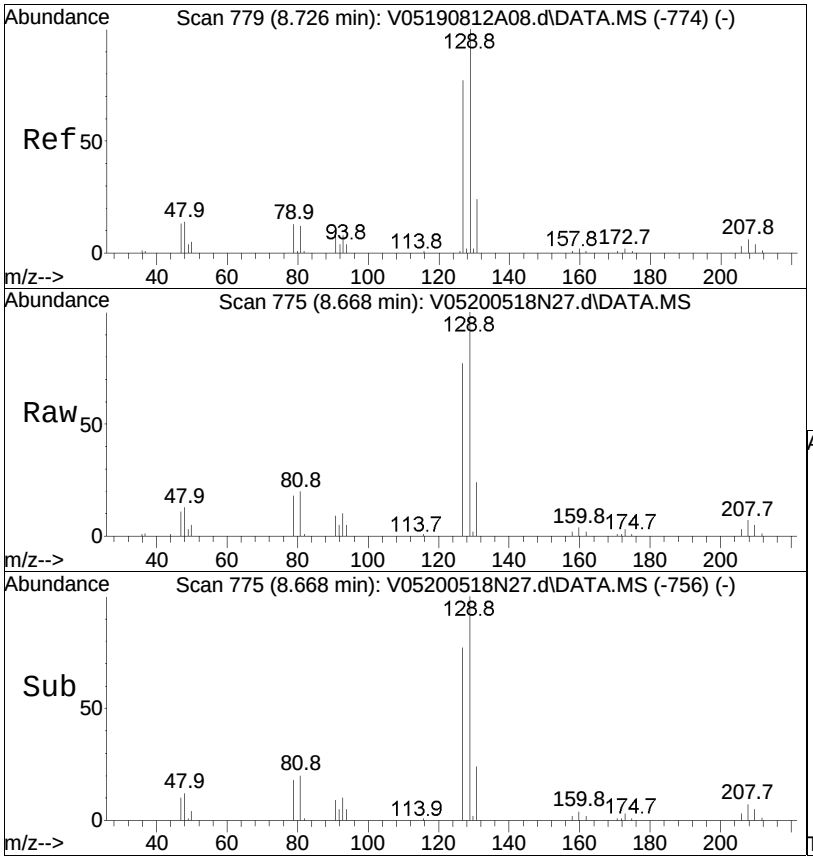


#68
1,1,2-Trichloroethane
Concen: 11.79 ug/L
RT: 8.452 min Scan# 753
Delta R.T. -0.010 min
Lab File: V05200518N27.d
Acq: 19 May 2020 4:10 am

Tgt Ion: 83 Resp: 154659

Ion	Ratio	Lower	Upper
83	100		
97	116.4	102.2	142.2
85	66.3	47.5	87.5

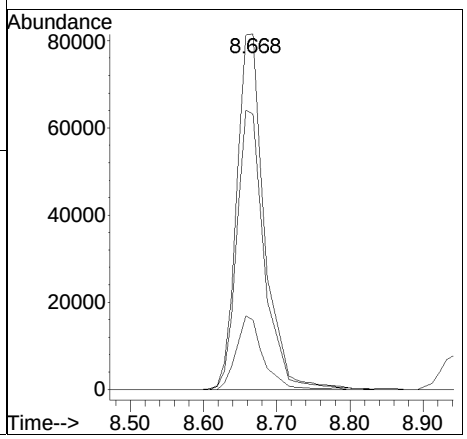


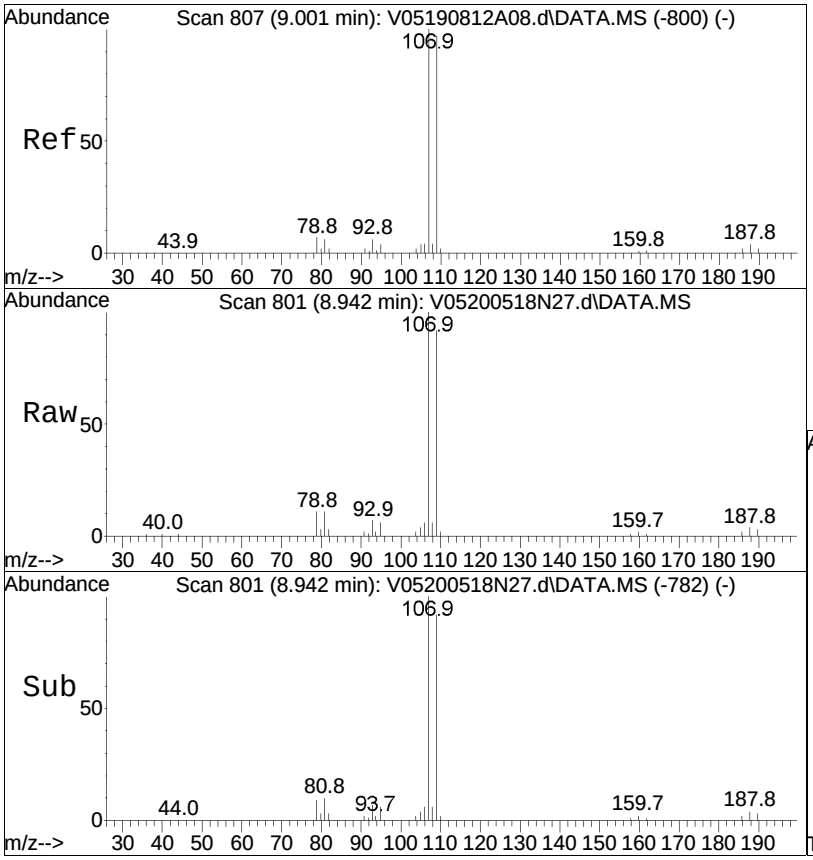


#69
Chlorodibromomethane
Concen: 10.27 ug/L
RT: 8.668 min Scan# 775
Delta R.T. -0.009 min
Lab File: V05200518N27.d
Acq: 19 May 2020 4:10 am

Tgt Ion:129 Resp: 216153

Ion	Ratio	Lower	Upper
129	100		
81	20.9	0.0	37.0
127	78.6	58.3	98.3

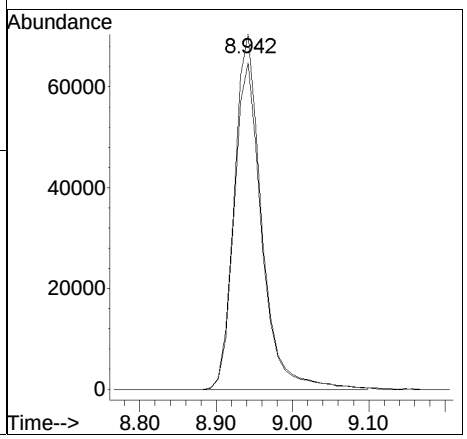


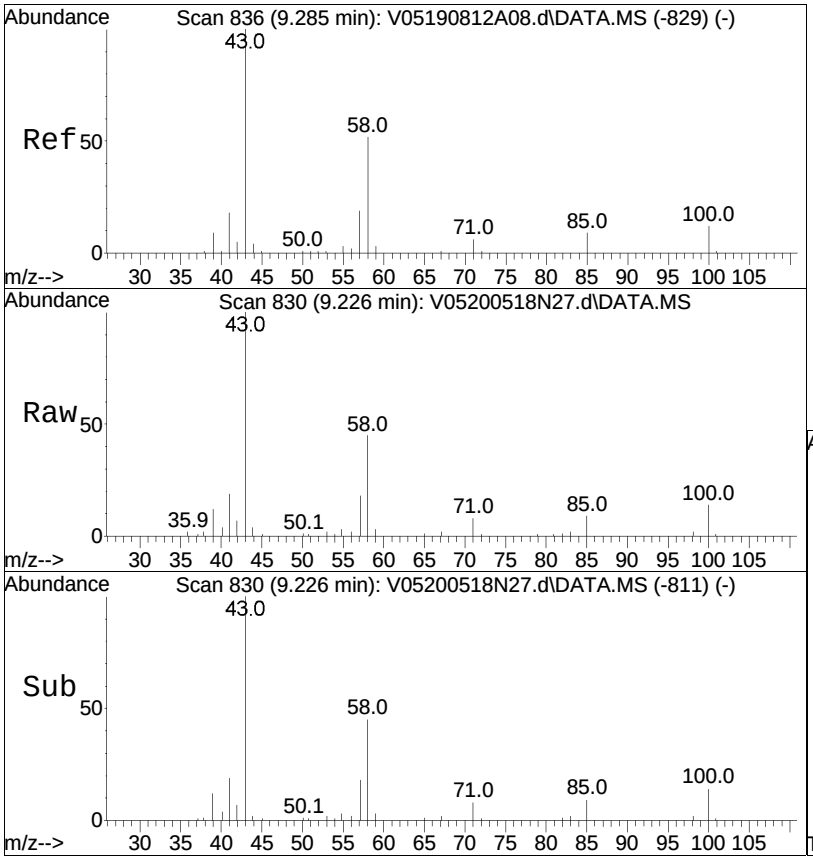


#71
1,2-Dibromoethane
Concen: 11.48 ug/L
RT: 8.942 min Scan# 801
Delta R.T. -0.010 min
Lab File: V05200518N27.d
Acq: 19 May 2020 4:10 am

Tgt Ion:107 Resp: 176681

Ion	Ratio	Lower	Upper
107	100		
109	92.5	75.0	112.6

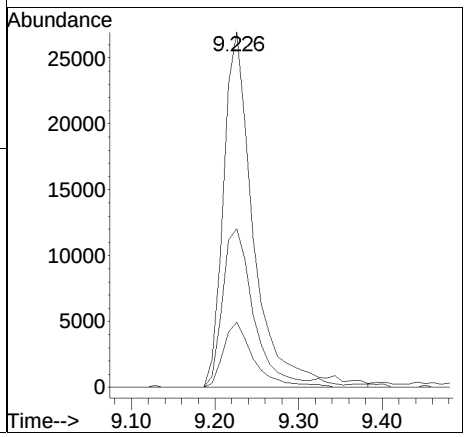


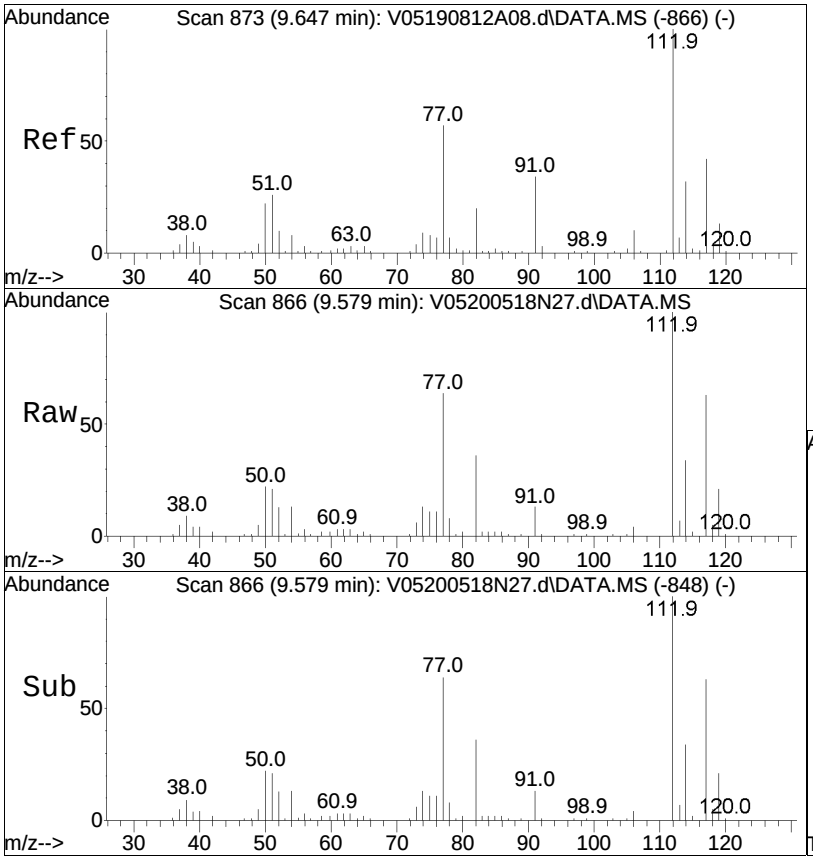


#72
2-Hexanone
Concen: 9.50 ug/L
RT: 9.226 min Scan# 830
Delta R.T. -0.010 min
Lab File: V05200518N27.d
Acq: 19 May 2020 4:10 am

Tgt Ion: 43 Resp: 68271

Ion	Ratio	Lower	Upper
43	100		
58	47.2	42.3	63.5
57	18.6	15.6	23.4

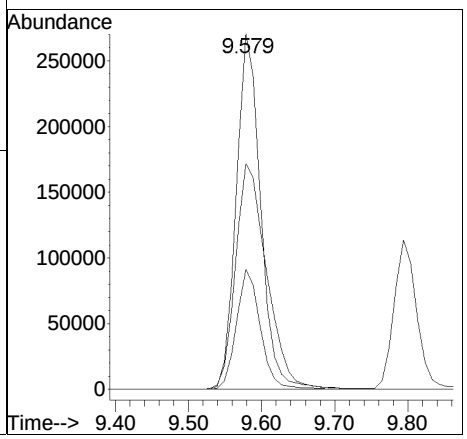


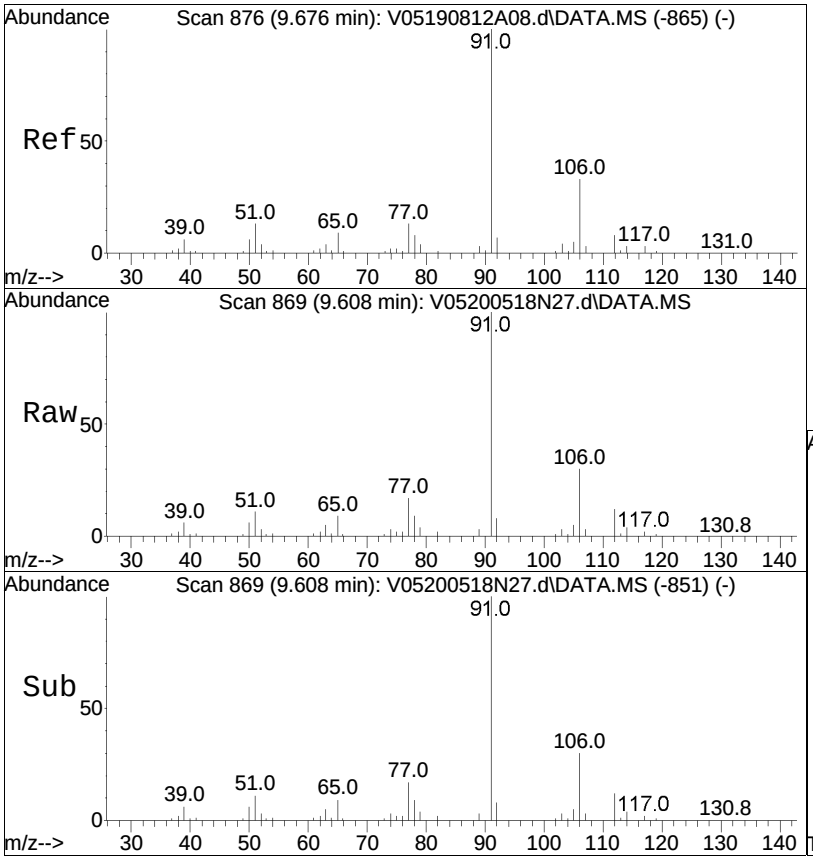


#73
Chlorobenzene
Concen: 10.18 ug/L
RT: 9.579 min Scan# 866
Delta R.T. -0.019 min
Lab File: V05200518N27.d
Acq: 19 May 2020 4:10 am

Tgt Ion:112 Resp: 630042

Ion	Ratio	Lower	Upper
112	100		
77	80.9	66.1	99.1
114	33.1	25.4	38.0

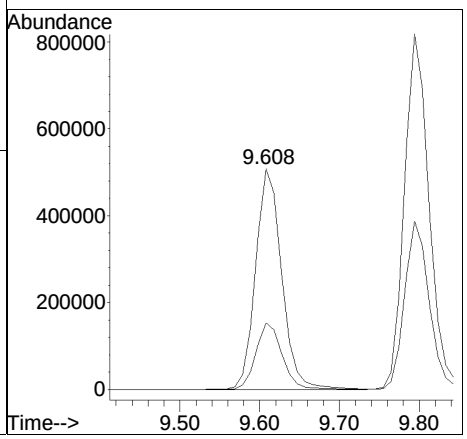


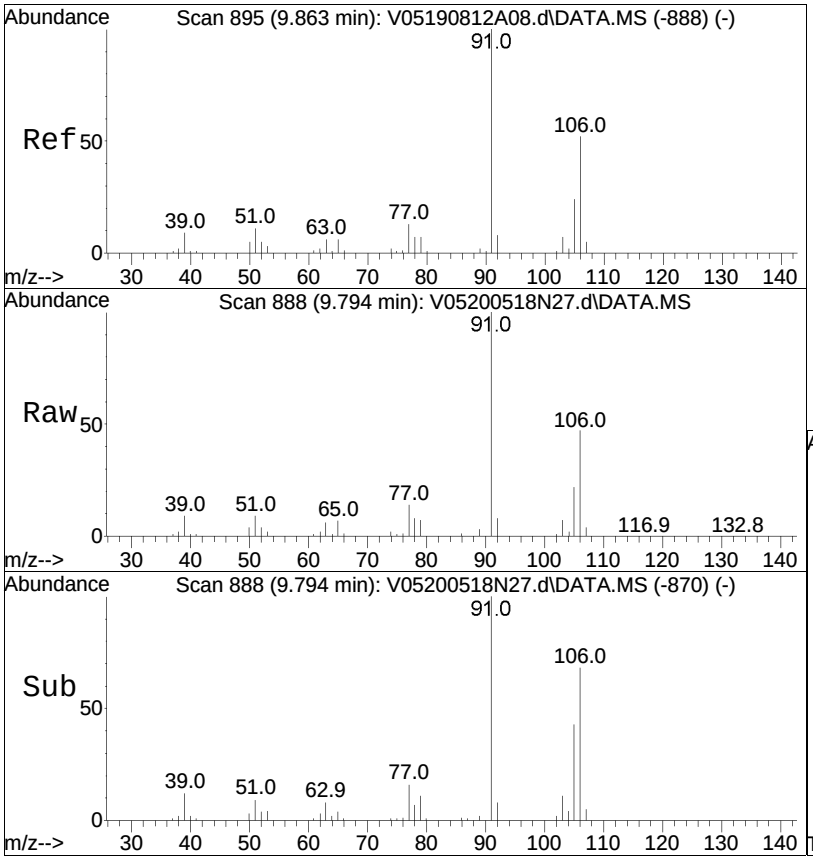


#74
Ethylbenzene
Concen: 10.59 ug/L
RT: 9.608 min Scan# 869
Delta R.T. -0.019 min
Lab File: V05200518N27.d
Acq: 19 May 2020 4:10 am

Tgt Ion: 91 Resp: 1157055

Ion	Ratio	Lower	Upper
91	100		
106	30.2	22.9	34.3

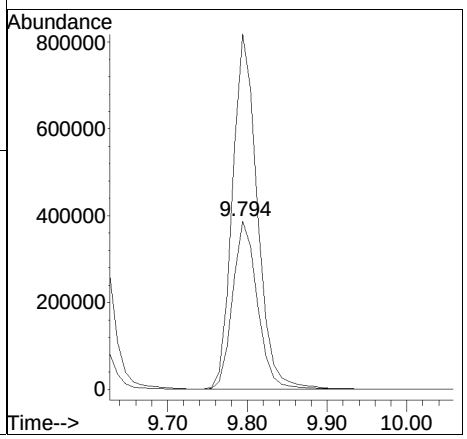


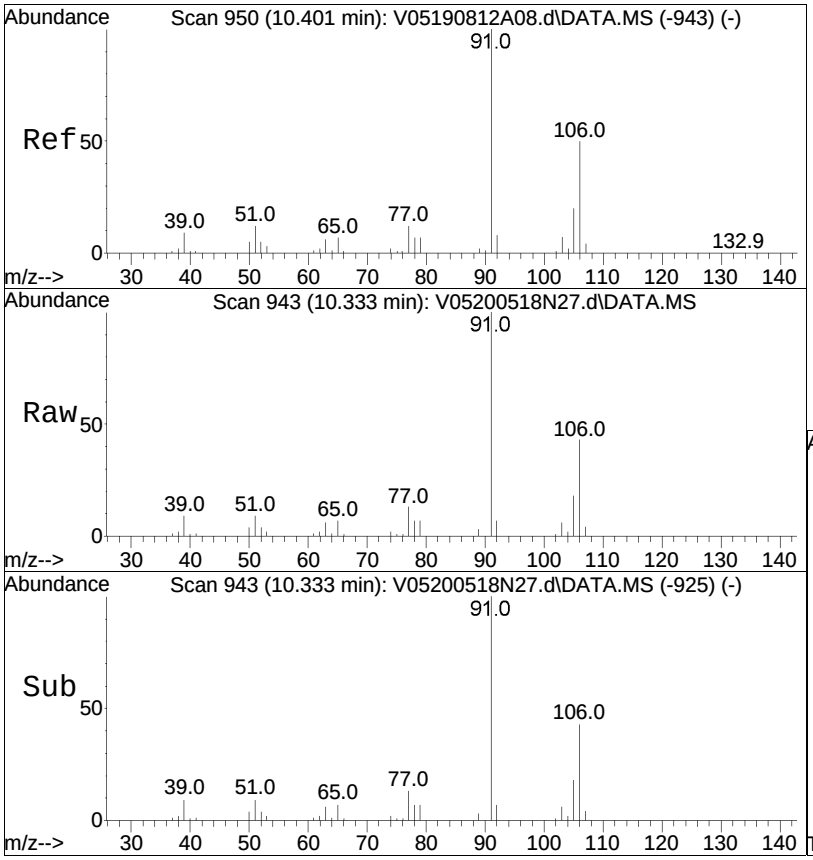


#76
p/m Xylene
Concen: 19.40 ug/L
RT: 9.794 min Scan# 888
Delta R.T. -0.020 min
Lab File: V05200518N27.d
Acq: 19 May 2020 4:10 am

Tgt Ion:106 Resp: 836012

Ion	Ratio	Lower	Upper
106	100		
91	211.6	177.2	265.8

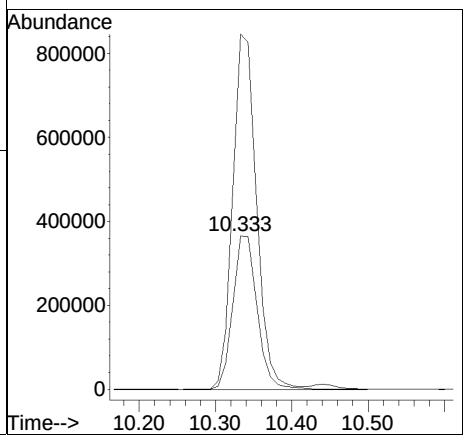


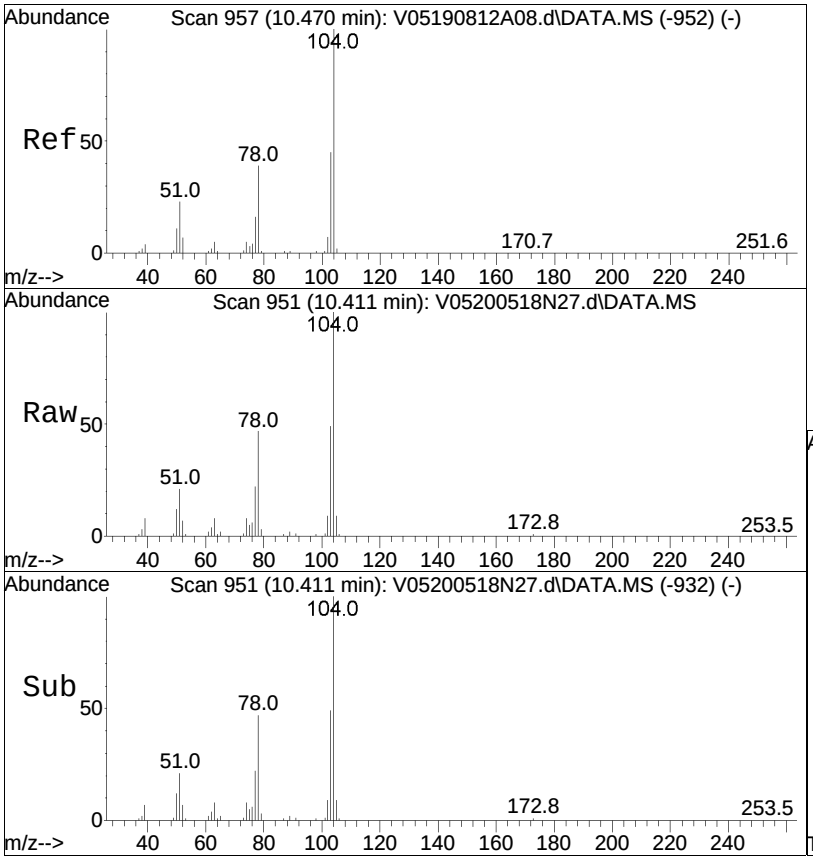


#77
o Xylene
Concen: 19.60 ug/L
RT: 10.333 min Scan# 943
Delta R.T. -0.019 min
Lab File: V05200518N27.d
Acq: 19 May 2020 4:10 am

Tgt Ion:106 Resp: 812105

Ion	Ratio	Lower	Upper
106	100		
91	225.8	187.0	280.6

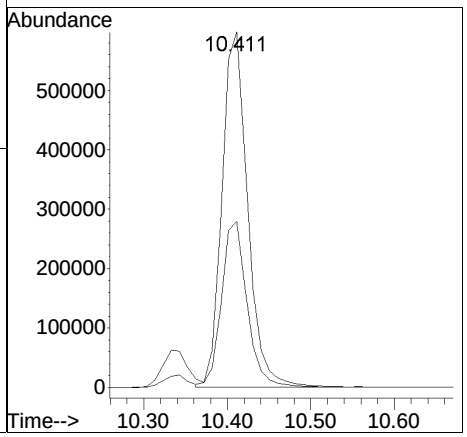


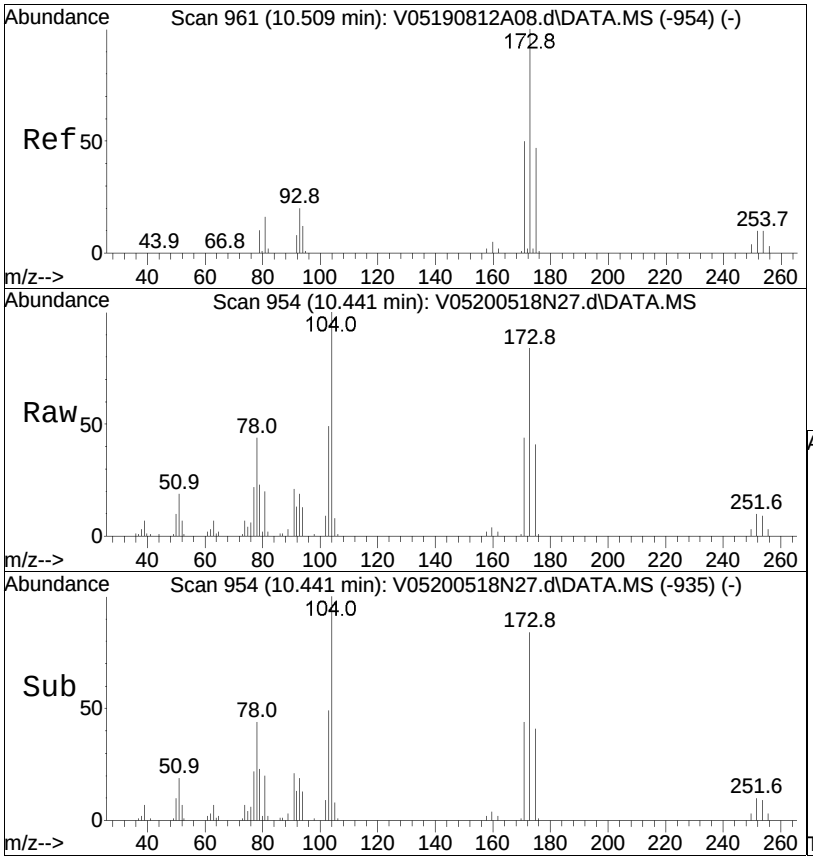


#78
Styrene
Concen: 19.80 ug/L
RT: 10.411 min Scan# 951
Delta R.T. -0.010 min
Lab File: V05200518N27.d
Acq: 19 May 2020 4:10 am

Tgt Ion:104 Resp: 1275539

Ion	Ratio	Lower	Upper
104	100		
78	46.3	39.6	59.4

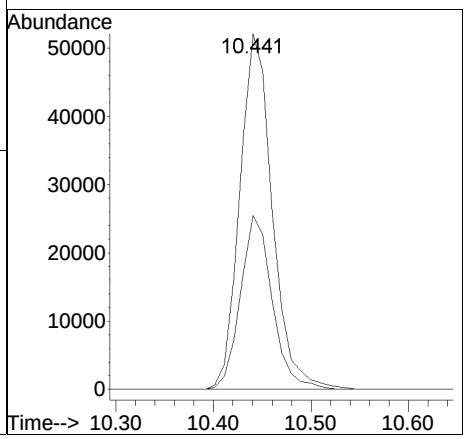


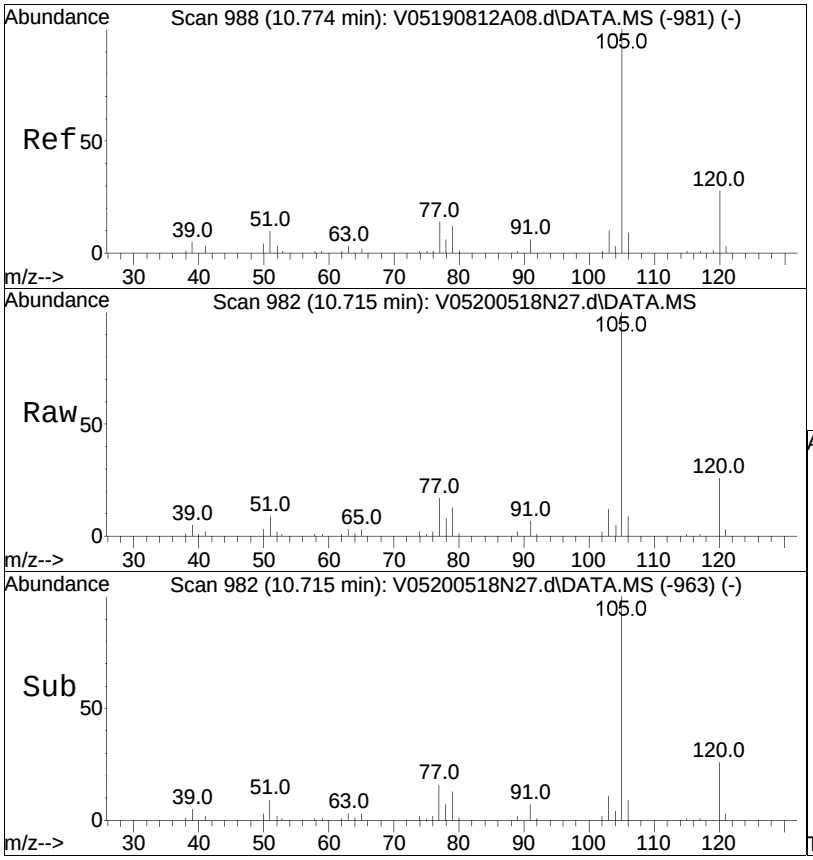


#80
Bromoform
Concen: 10.53 ug/L
RT: 10.441 min Scan# 954
Delta R.T. -0.009 min
Lab File: V05200518N27.d
Acq: 19 May 2020 4:10 am

Tgt Ion:173 Resp: 120717

Ion	Ratio	Lower	Upper
173	100		
175	47.9	26.6	66.6

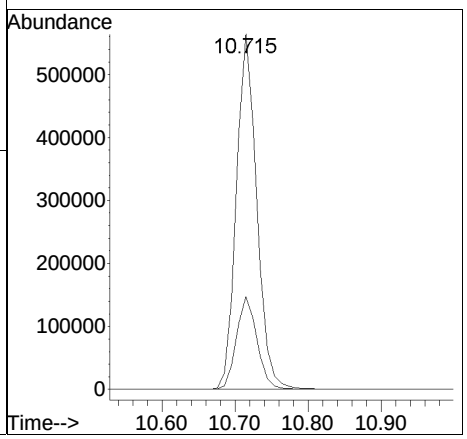


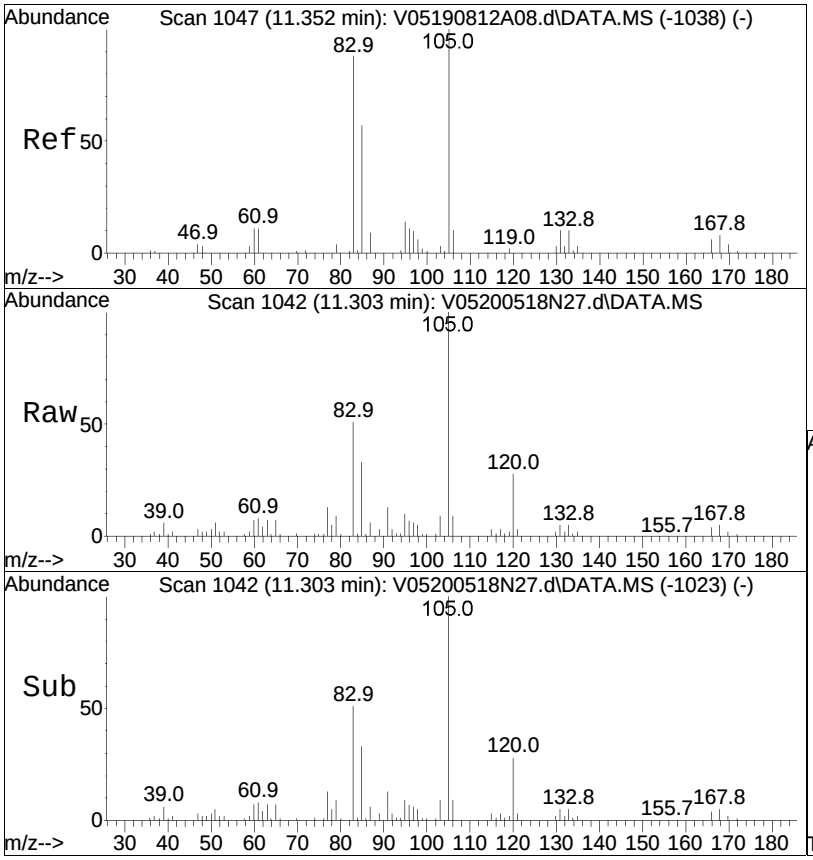


#82
Isopropylbenzene
Concen: 9.36 ug/L
RT: 10.715 min Scan# 982
Delta R.T. -0.010 min
Lab File: V05200518N27.d
Acq: 19 May 2020 4:10 am

Tgt Ion:105 Resp: 1097605

Ion	Ratio	Lower	Upper
105	100		
120	26.3	4.8	44.8

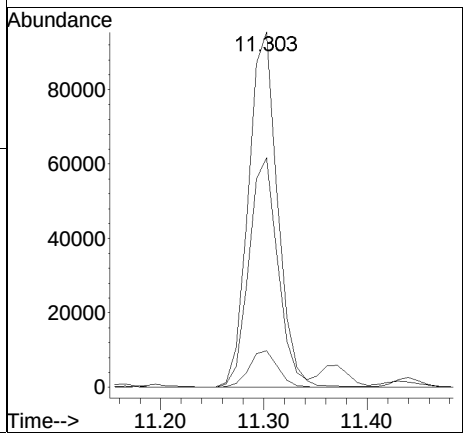


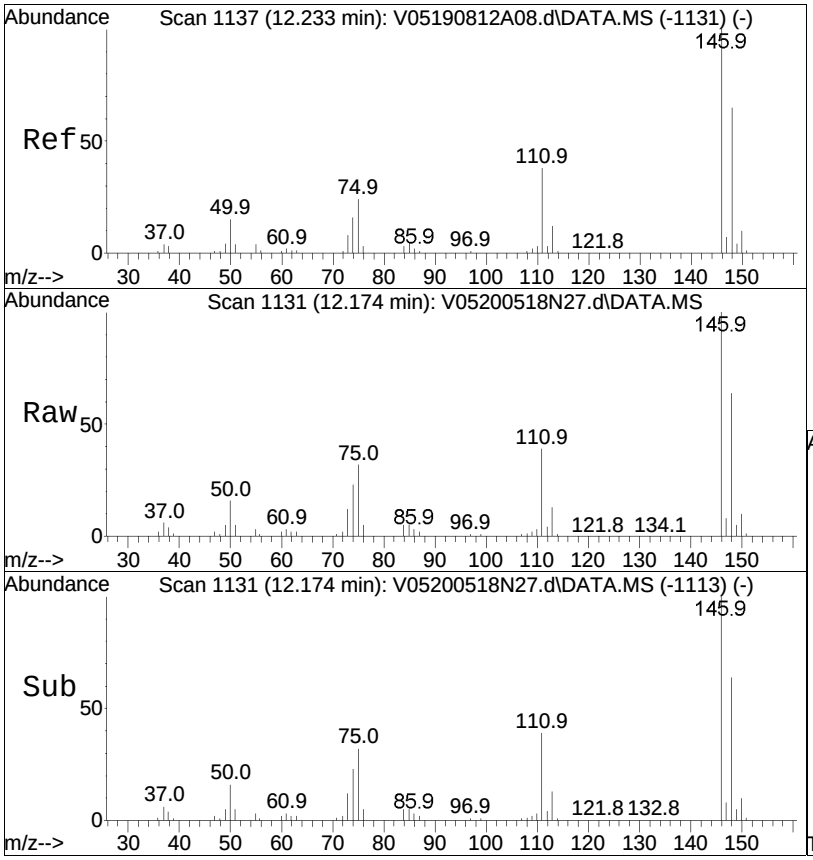


#87
1,1,2,2-Tetrachloroethane
Concen: 10.76 ug/L
RT: 11.303 min Scan# 1042
Delta R.T. -0.010 min
Lab File: V05200518N27.d
Acq: 19 May 2020 4:10 am

Tgt Ion: 83 Resp: 187675

Ion	Ratio	Lower	Upper
83	100		
131	10.3	0.0	30.4
85	64.5	46.4	86.4

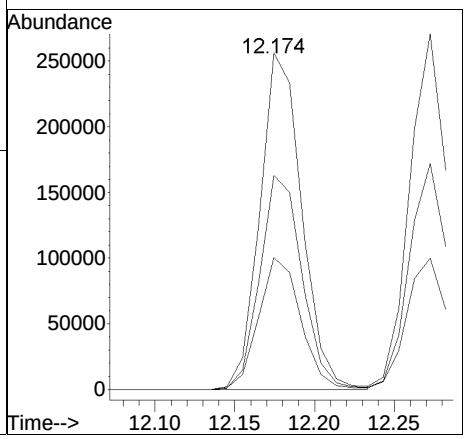


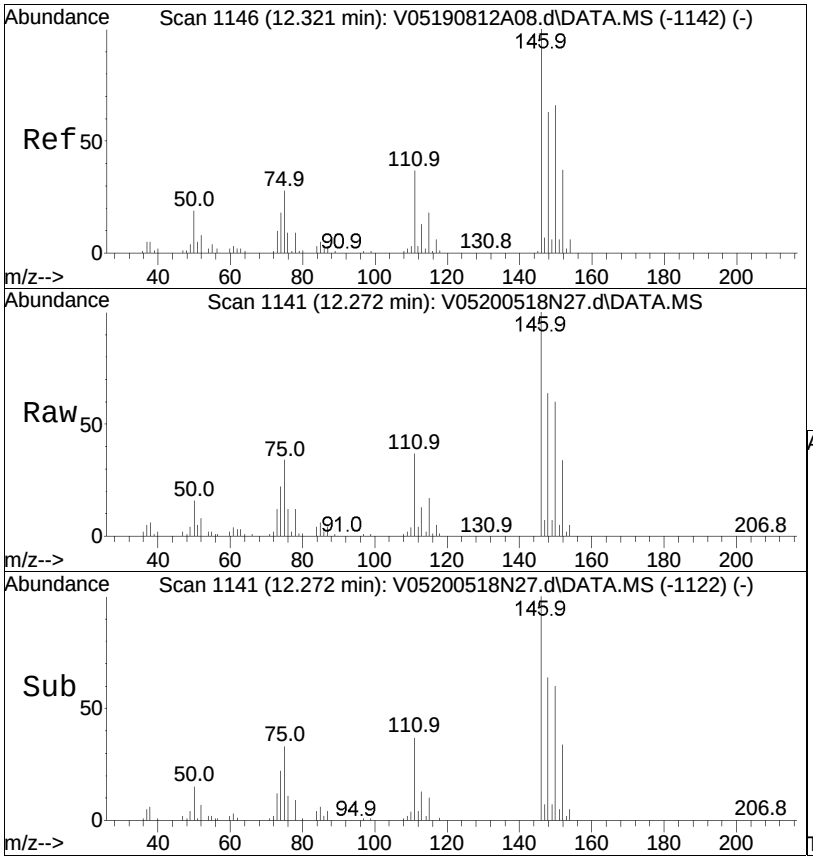


#100
1,3-Dichlorobenzene
Concen: 9.06 ug/L
RT: 12.174 min Scan# 1131
Delta R.T. -0.020 min
Lab File: V05200518N27.d
Acq: 19 May 2020 4:10 am

Tgt Ion:146 Resp: 467063

Ion	Ratio	Lower	Upper
146	100		
111	39.5	28.0	58.1
148	64.1	41.6	86.4

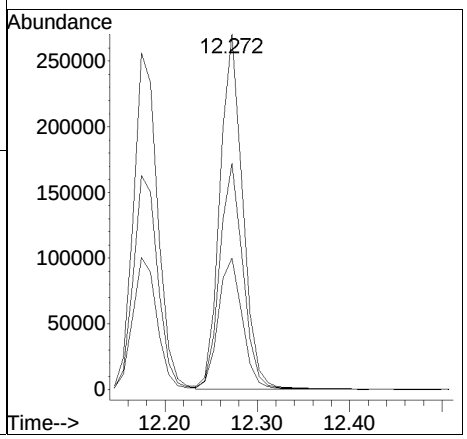


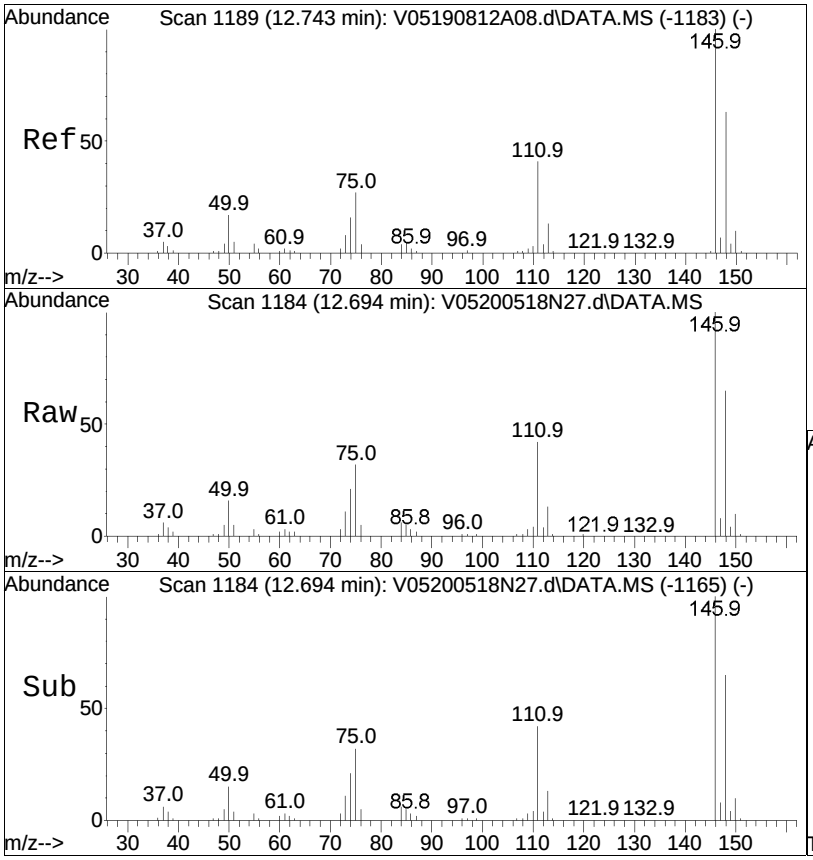


#101
1,4-Dichlorobenzene
Concen: 8.97 ug/L
RT: 12.272 min Scan# 1141
Delta R.T. -0.010 min
Lab File: V05200518N27.d
Acq: 19 May 2020 4:10 am

Tgt Ion:146 Resp: 464677

Ion	Ratio	Lower	Upper
146	100		
111	39.5	33.8	50.6
148	65.0	51.0	76.6

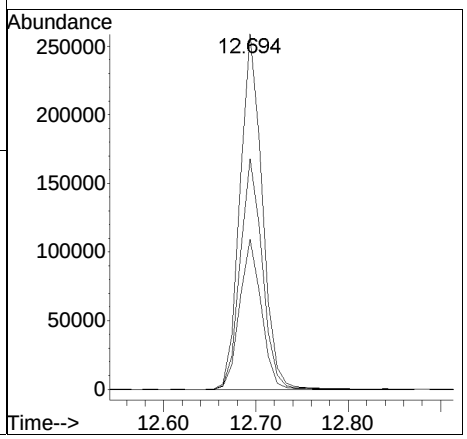


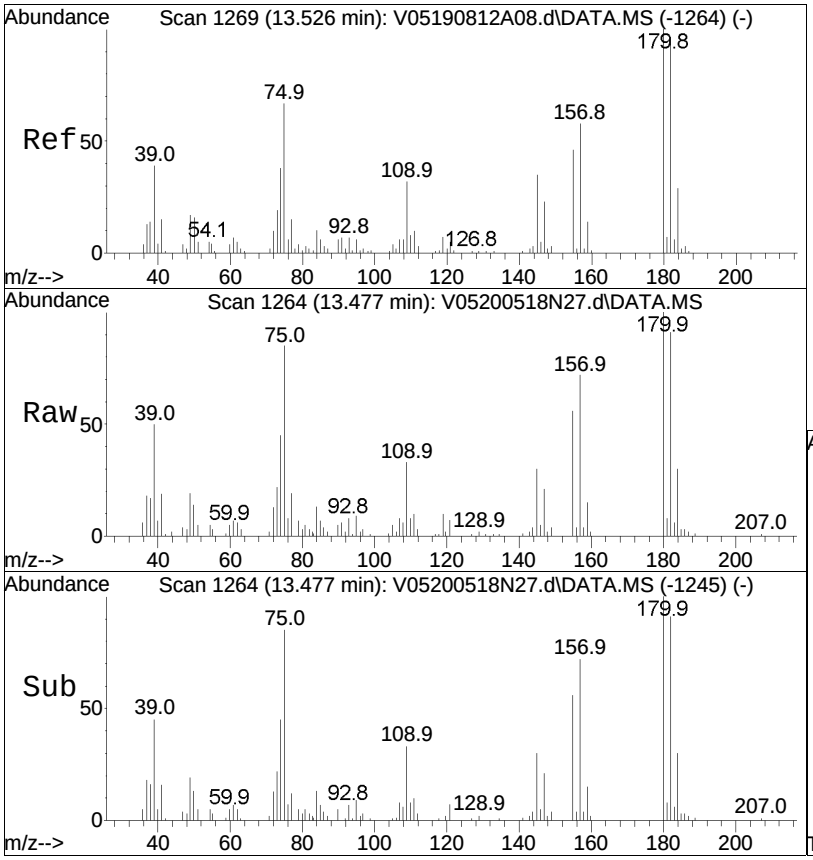


#104
1,2-Dichlorobenzene
Concen: 9.54 ug/L
RT: 12.694 min Scan# 1184
Delta R.T. -0.010 min
Lab File: V05200518N27.d
Acq: 19 May 2020 4:10 am

Tgt Ion:146 Resp: 434072

Ion	Ratio	Lower	Upper
146	100		
111	41.4	29.1	60.5
148	64.8	41.7	86.7

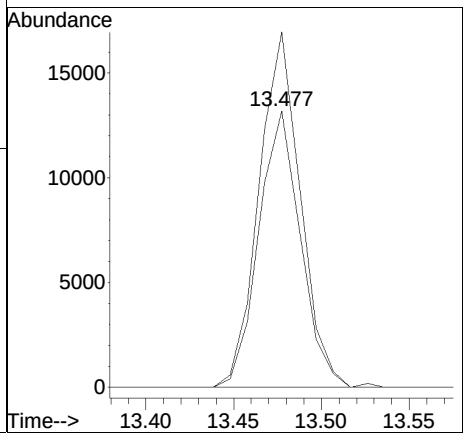


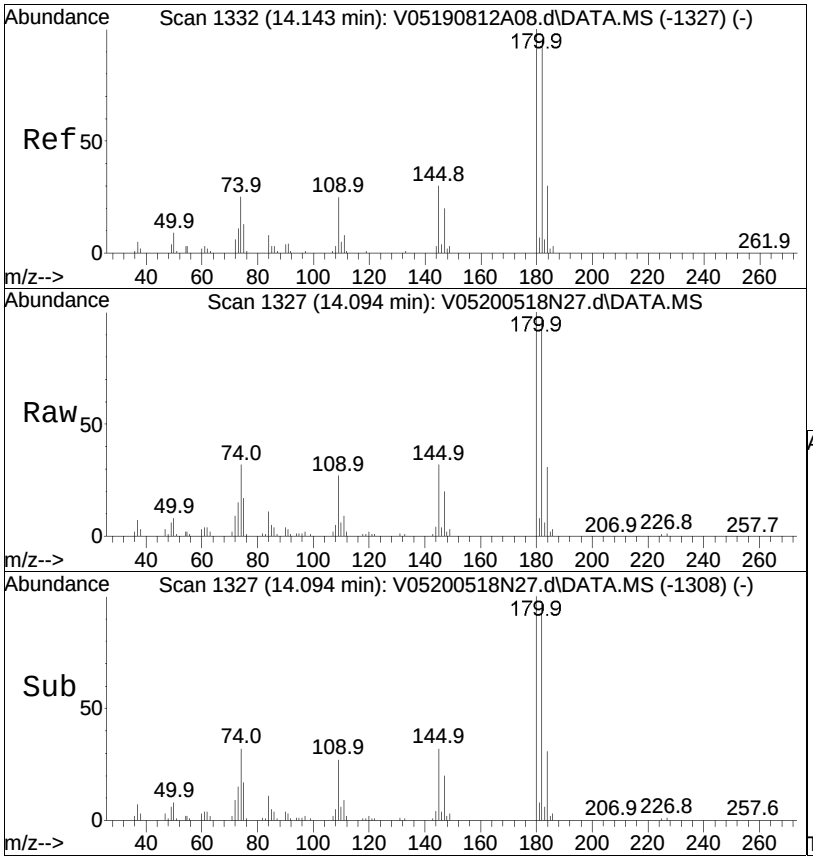


#106
1,2-Dibromo-3-chloropropane
Concen: 9.46 ug/L
RT: 13.477 min Scan# 1264
Delta R.T. -0.010 min
Lab File: V05200518N27.d
Acq: 19 May 2020 4:10 am

Tgt Ion:155 Resp: 21819

Ion	Ratio	Lower	Upper
155	100		
157	127.9	105.0	157.6

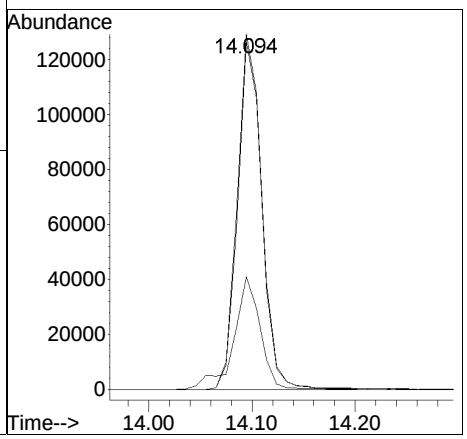


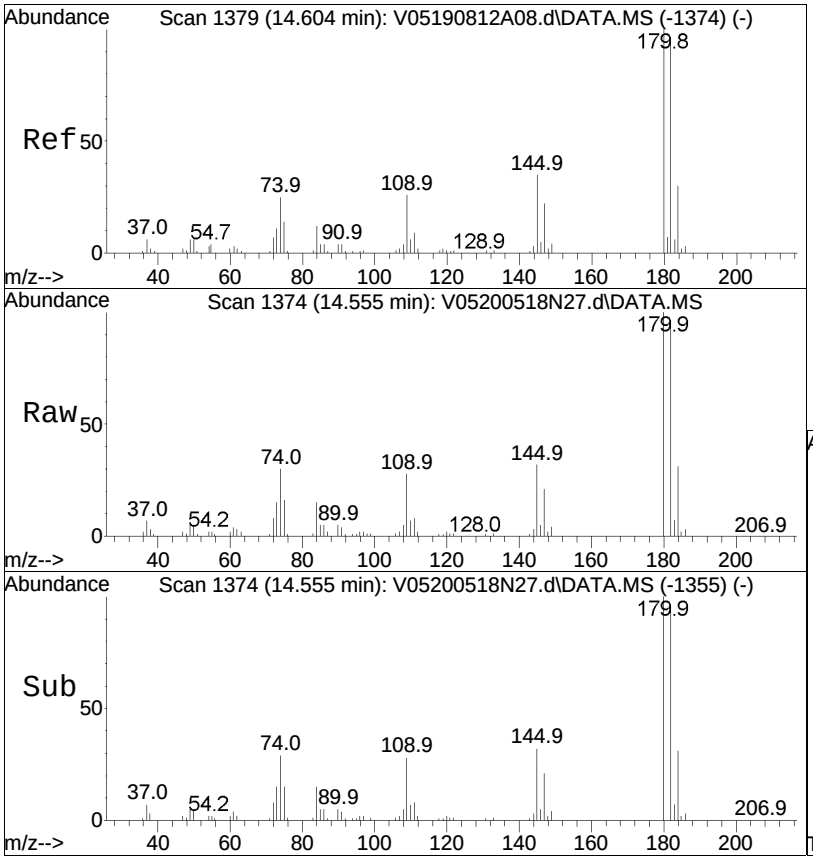


#109
1,2,4-Trichlorobenzene
Concen: 7.57 ug/L
RT: 14.094 min Scan# 1327
Delta R.T. -0.010 min
Lab File: V05200518N27.d
Acq: 19 May 2020 4:10 am

Tgt Ion:180 Resp: 214244

Ion	Ratio	Lower	Upper
180	100		
182	96.6	75.2	112.8
145	34.2	27.4	41.2

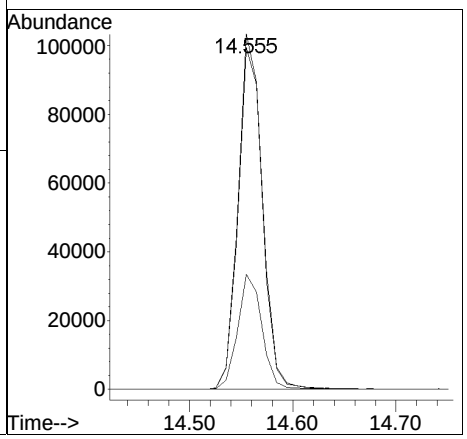




#111
1,2,3-Trichlorobenzene
Concen: 7.85 ug/L
RT: 14.555 min Scan# 1374
Delta R.T. -0.010 min
Lab File: V05200518N27.d
Acq: 19 May 2020 4:10 am

Tgt Ion:180 Resp: 169882

Ion	Ratio	Lower	Upper
180	100		
182	96.4	75.5	113.3
145	32.4	26.5	39.7



Calculation of Volatile Organic Compounds

Aqueous Concentration Formula: Amt * DF * Uf * (1/Vo)

Where:
DF = Dilution Factor
Vo = Sample Volume Purged (mL)
Uf = ng Unit Correction Factor (mL)

Soil Concentration Formula: Amt * DF * (1/Wt)

Where:
DF = Dilution Factor
Wt = Weight of Sample (g)

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

May 20 2020, 11:18 am

Work Group: WG1372229 for Department: 31 GC/MS - Volatiles

Created: 19-MAY-20 Due: Operator: NLK

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2020006-01	BW-01	S	NYTCL-8260-R2	WATER	DONE	U	0526	0521	S0	Vial-B
L2020006-02	SB-MW-14	S	NYTCL-8260-R2	WATER	DONE	U	0526	0521	S0	Vial-B
L2020006-03	SB-MW-15	S	NYTCL-8260-R2	WATER	DONE	U	0526	0521	S0	Vial-B
L2020006-04	R1MW-16	S	NYTCL-8260-R2	WATER	DONE	U	0527	0521	S0	Vial-B
L2020006-05	SB-MW-07	S	NYTCL-8260-R2	WATER	DONE	U	0526	0521	S0	Vial-B
L2020006-06	R1MW-04	S	NYTCL-8260-R2	WATER	DONE	U	0527	0521	S0	Vial-B
L2020006-07	SB-MW-16	S	NYTCL-8260-R2	WATER	DONE	U	0527	0521	S0	Vial-B
L2020006-09	BW-03	S	NYTCL-8260-R2	WATER	DONE	U	0527	0521	S0	Vial-B
WG1372229-1	MS BFB Tune Standard	S	NYTCL-8260-R2	WATER	DONE	U				
WG1372229-2	Continuing Calibrati	S	NYTCL-8260-R2	WATER	DONE	U				
WG1372229-3	Laboratory Control S	S	NYTCL-8260-R2	WATER	DONE	U				
WG1372229-4	LCS Duplicate	S	NYTCL-8260-R2	WATER	DONE	U				
WG1372229-5	Laboratory Method Bl	S	NYTCL-8260-R2	WATER	DONE	U				
WG1372229-6	Matrix Spike	S	NYTCL-8260-R2	WATER	DONE	U				
WG1372229-7	Matrix Spike Duplica	S	NYTCL-8260-R2	WATER	DONE	U				

Comments:

WG1372229-4	WG1372229-3
WG1372229-6	L2020006-01
WG1372229-7	L2020006-01

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

May 20 2020, 11:18 am

Work Group: WG1372327 for Department: 31 GC/MS - Volatiles

Created: 19-MAY-20 Due: Operator: NLK

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2020006-08	R1MW-02	S	NYTCL-8260-R2	WATER	DONE	U	0527	0521	S0	Vial-B
L2020006-10	QA/QC	S	NYTCL-8260-R2	WATER	DONE	U	0526	0521	S0	Vial-B
WG1372327-1	MS BFB Tune Standard	S	NYTCL-8260-R2	WATER	DONE	U				
WG1372327-2	Continuing Calibrati	S	NYTCL-8260-R2	WATER	DONE	U				
WG1372327-3	Laboratory Control S	S	NYTCL-8260-R2	WATER	DONE	U				
WG1372327-4	LCS Duplicate	S	NYTCL-8260-R2	WATER	DONE	U				
WG1372327-5	Laboratory Method Bl	S	NYTCL-8260-R2	WATER	DONE	U				

Comments:

WG1372327-4 WG1372327-3

Method

Inst: VOA105 BFB: V7752 GC: 8260

Initials: TMS IS/SS: V7771 Autosampler: 8260water10ml

Date: **03/13/20** ICAL: V7790,V7793B Concentrator: 8260

Run: **N** ICV: V7778,V7724,V7737,V7738,V7789,V7776 QC:_____ Seq:_____

Vial	Data File	Sample
1	V05200313NBF1	BFB TUNE
1	V05200313N01	BLK
2	V05200313N02	BLK
3	V05200313N03	I8260STDL0.15PPB
4	V05200313N04	I8260STDL0.15PPB
5	V05200313N05	I8260STDL0.5PPB
6	V05200313N06	I8260STDL0.5PPB
7	V05200313N07	I8260STDL2PPB
8	V05200313N08	I8260STDL2PPB
9	V05200313N09	I8260STDL10PPB
10	V05200313N10	I8260STDL30PPB
11	V05200313N11	I8260STDL80PPB
12	V05200313N12	I8260STDL120PPB
13	V05200313N13	I8260STDL200PPB
14	V05200313N14	BLK
15	V05200313N15	BLK
16	V05200313N16	BLK
17	V05200313N17	BLK
18	V05200313N18	BLK
19	V05200313N19	C8260STDL10PPB
20	V05200313N20	C8260STDL10PPB
21	V05200313N21	BLK
22	V05200313N22	BLK

				Method	
Inst:	Elaine	BFB:	v7842	GC:	8260_LUMIN
Initials:	TMS	IS/SS:	v7818	Autosampler:	8260water10mL
Date:	**04/21/20**	ICAL:	v7840,v7819C,v7810	Concentrator:	8260
Run:	**N**	ICV:	v7778,v7805,v7822,v7816,v7789,v7776,v7754	QC:	Seq:

Vial	DATA FILE	SAMPLE	pH<2
1	VE200421NBF1	BFB TUNE	
1	VE200421N01	8260 CCAL	
2	VE200421N02	8260 CCAL	
3	VE200421N03	8260 CCAL	
4	VE200421N04	8260 CCAL	
5	VE200421N05	BLK	
6	VE200421N06	METHOD BLK	
7	VE200421N07	I8260STDLL0.19PPB	
8	VE200421N08	I8260STDLL0.19PPB	
9	VE200421N09	I8260STDLL0.5PPB	
10	VE200421N10	I8260STDLL0.5PPB	
11	VE200421N11	I8260STDLL2PPB	
12	VE200421N12	I8260STDLL2PPB	
13	VE200421N13	I8260STDLL10PPB	
14	VE200421N14	I8260STDLL30PPB	
15	VE200421N15	I8260STDLL80PPB	
16	VE200421N16	I8260STDLL120PPB	
17	VE200421N17	I8260STDLL200PPB	
18	VE200421N18	BLK	
19	VE200421N19	BLK	
20	VE200421N20	BLK	
21	VE200421N21	BLK	
22	VE200421N22	BLK	
23	VE200421N23	C8260STDLL10PPB	
24	VE200421N24	C8260STDLL10PPB	
25	VE200421N25	BLK	
26	VE200421N26	BLK	

Method

Inst: Elaine BFB: V7842 GC: 8260_LUMIN

Initials: PD IS/SS: V7878 Autosampler: 8260water10mL

Date: **05/19/20** ICAL: V7881B,V7882 Concentrator: 8260

Run: **A** ICV: V7778,V7805,V7822,V7816,V7789,V7776,V7754 QC: _____ Seq: _____

Vial	DATA FILE	SAMPLE			pH<2
1	VE200519ABF1	BFB TUNE 08:29			
1	VE200519A01	8260 CCAL CCAL FAILS			
2	VE200519A02	8260 CCAL LCS			
3	VE200519A03	8260 CCAL LCSD			
4	VE200519A04	BLK			
5	VE200519A05	METHOD BLK			
6	VE200519A06	I2020006-08D,31,5,10,,c	NYCURVE/10		pH<2
7	VE200519A07	I2020006-10D,31,0.2,10,,c	NY/CIS12DCE,TCE	RRV105	pH<2
8	VE200519A08	I2019947-03D,31,0.2,10,,c	NJ/15		pH<2
9	VE200519A09	I2019947-03DUP,31,0.2,10,,c	NJ/15		pH<2
10	VE200519A10	I2020137-01,31,10,10,,a	NJ/15		pH<2
11	VE200519A11	I2020137-09D,31,5,10,,a	NJ/15		pH<2
12	VE200519A12	I2020137-02,31,10,10,,a	NJ/15		pH<2
13	VE200519A13	I2020137-03,31,10,10,,a	NJ/15		pH<2
14	VE200519A14	I2020137-04,31,10,10,,a	NJ/15		pH<2
15	VE200519A15	I2020137-05,31,10,10,,a	NJ/15		pH<2
16	VE200519A16	I2020137-06,31,10,10,,a	NJ/15		pH<2
17	VE200519A17	I2020137-07,31,10,10,,a	NJ/15		pH<2
18	VE200519A18	I2020137-08,31,10,10,,a	NJ/15		pH<2
19	VE200519A19	I2020144-01,31,10,10,,a	NJ/15		pH<2
20	VE200519A20	I2020144-02D,31,0.01,10,,b	NJ/15		pH<2
21	VE200519A21	I2020179-01,31,10,10,,a	NJ/15		pH<2
22	VE200519A22	I2020179-02,31,10,10,,a	NJ/15		pH<2
23	VE200519A23	I2020179-03,31,10,10,,a	NJ/15		pH<2
24	VE200519A24	I2020179-04,31,10,10,,a	NJ/15	TB	pH<2
25	VE200519A25	I2020178-01,31,10,10,,a	NJ/15		pH<2
26	VE200519A26	BLK			
27	VE200519A27	I2017797-04,31,10,10,,c	NJ/15		pH<2
28	VE200519A28	I2019947-03MS,31,0.2,10,,c	NJ/15		pH<2

Method

Inst: VOA105 BFB: V7842 GC: 8260

Initials: AJK IS/SS: V7859 Autosampler: 8260water10ml

Date: **05/18/20** ICAL: V7882,V7881A Concentrator: 8260

Run: **N** ICV: V7778,V7724,V7737,V7738,V7789,V7776 QC:_____ Seq:_____

Vial	Data File	Sample			pH<2
1	V05200518NBF1	BFB TUNE			
1	V05200518N01	8260 CCAL LCS			
2	V05200518N02	8260 CCAL LCSD			
3	V05200518N03	8260 CCAL			
4	V05200518N04	BLK			
5	V05200518N05	METHOD BLK			
6	V05200518N06	I2020131-14,31,10,10,,a	NJ/TCE,PCE	FB	pH<2
7	V05200518N07	I2020137-10,31,10,10,,a	NJ/15	FB	pH<2
8	V05200518N08	I2020137-11,31,10,10,,a	NJ/15	TB	pH<2
9	V05200518N09	I2020276-06,31,10,10,,a	8260/FN	TB	pH<2
10	V05200518N10	I2020276-01,31,10,10,,a	8260/FN		pH<2
11	V05200518N11	I2020276-02,31,10,10,,a	8260/FN		pH<2
12	V05200518N12	I2020276-03,31,10,10,,a	8260/FN		pH<2
13	V05200518N13	I2020276-04,31,10,10,,a	8260/FN		pH<2
14	V05200518N14	I2020276-05,31,10,10,,a	8260/FN		pH<2
15	V05200518N15	I2019749-03D,31,4,10,,c	NJ/15		pH<2
16	V05200518N16	I2020006-10,31,10,10,,a	NYCURVE/10		pH<2
17	V05200518N17	I2020006-08,31,10,10,,a	NYCURVE/10		pH<2
18	V05200518N18	I2020006-01D,31,0.250,10,,a	NYCURVE/10		pH<2
19	V05200518N19	I2020006-02D,31,0.020,10,,a	NYCURVE/10		pH>2
20	V05200518N20	I2020006-03D,31,0.100,10,,a	NYCURVE/10		pH<2
21	V05200518N21	I2020006-04D,31,0.250,10,,a	NYCURVE/10		pH<2
22	V05200518N22	I2020006-05D,31,0.100,10,,a	NYCURVE/10		pH>2
23	V05200518N23	I2020006-06D,31,5,10,,a	NYCURVE/10		pH<2
24	V05200518N24	I2020006-07D,31,4,10,,a	NYCURVE/10		pH<2
25	V05200518N25	I2020006-09D,31,0.500,10,,a	NYCURVE/10		pH<2
26	V05200518N26	I2020006-01MS,31,0.250,10,,a	NYCURVE/10		pH<2
27	V05200518N27	I2020006-01MSD,31,0.250,10,,a	NYCURVE/10		pH<2

Laboratory Report L2027694

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Laboratory Code: 11148

SDG Number: L2027694

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STDL2.0PPB Injected on: 06/17/20 18:05 429
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Project Name: FORMER WOLLENSACK OPTICAL
Project Number: 2182207

Lab Number: L2027694
Report Date: 07/02/20

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2027694-01	SB-MW-07 (6-29-2020)	WATER	ROCHESTER, NY	06/29/20 13:00	06/30/20
L2027694-02	SB-MW-15 (6-29-2020)	WATER	ROCHESTER, NY	06/29/20 14:30	06/30/20
L2027694-03	BW-03 (6-29-2020)	WATER	ROCHESTER, NY	06/29/20 15:46	06/30/20
L2027694-04	BW-01	WATER	ROCHESTER, NY	06/30/20 09:30	06/30/20
L2027694-05	SB-MW-14	WATER	ROCHESTER, NY	06/30/20 10:05	06/30/20
L2027694-06	R1MW-04	WATER	ROCHESTER, NY	06/30/20 11:00	06/30/20
L2027694-07	R1MW-02	WATER	ROCHESTER, NY	06/30/20 11:20	06/30/20
L2027694-08	SB-MW-16	WATER	ROCHESTER, NY	06/30/20 11:45	06/30/20
L2027694-09	RMW-16	WATER	ROCHESTER, NY	06/30/20 12:30	06/30/20
L2027694-10	R1MW-19S	WATER	ROCHESTER, NY	06/30/20 12:45	06/30/20
L2027694-11	R1MW-19D	WATER	ROCHESTER, NY	06/30/20 13:00	06/30/20
L2027694-12	QA/QC	WATER	ROCHESTER, NY	06/30/20 00:00	06/30/20
L2027694-13	TRIP BLANK	WATER	ROCHESTER, NY	06/30/20 14:00	06/30/20

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics

L2027694-07: The sample has elevated detection limits due to the dilution required by the sample matrix (sheen).

L2027694-11: The sample has elevated detection limits due to the dilution required by the sample matrix (dark purple).

The WG1388388-7 MSD recovery, performed on L2027694-04, is outside the acceptance criteria for trichloroethene (0%). The unacceptable percent recovery isattributed to the elevated concentrations of target compounds present in the native sample.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Melissa Sturgis Report Date: 07/02/20

Title: Technical Director/Representative

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

Report Format: DU Report with 'J' Qualifiers

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

Report Format: DU Report with 'J' Qualifiers

Data Qualifiers

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Volatile Organics Instruments

Volatile Organics:

Instrument: Agilent 7890 GC/5975C MSD	Columns (length x ID x df):
Trap: Supelco K Trap (VOACARB 3000)	RTX-VMS 20m x 0.18mm x 1um
Concentrator: EST Encon (or equivalent)	RTX-VMS 30m x 0.25mm x 1.4um
Autosampler: EST Centurion (or equivalent)	RTX-502.2 40m x 0.18mm x 1um
Purge time: 11 min	

Volatile Organics: VPH

Instrument: Agilent 6890 (or equivalent)	Column Type: Restek RTX 502.2
Trap: Supelco K Trap (VOACARB 3000)	Column Length: 105 Meters
Concentrator: EST Encon (or equivalent)	df: 3.00 um
Autosampler: EST Centurion (or equivalent)	ID: 0.53mm

Volatile Organics: PIANO

Instrument: Agilent 7890 GC/5975C MSD	Column Type: DB-VRX
Trap: Supelco K Trap (VOACARB 3000)	Column Length: 60 Meters
Concentrator: Tekmar Velocity / EST Encon	df: 1.40 um
Autosampler: Varian Archon / EST Centurion	ID: 0.25 mm
Purge time: 11 min	Desorb: 1 min

Volatile Organics: Dissolved Gas

Instrument: Agilent 7890 (or equivalent) with FID/TCD	
	Column Type: Haysep S Column
	Column Length: 2 Meters packed (100/200 mesh)
Autosampler: LEAP Headspace	Purge time: 0.6 min

Volatile Organics in Air Instruments

Volatile Organics in Air:

Instruments: Agilent 6890 GC / 5975 MSD Shimadzu QP2010-SE / QP2020

Concentrator: Entech 7100A or 7200	Column Type: Restek RTX-1
Autosampler: Entech 7016CA or 7016D	Column Length: 60 Meters
	df: 1.00 um
	ID: 0.25 mm or 0.32 mm

Trap 1: Glass Bead: manufacturer-Entech: 20 cm packing material
Trap 2: Tenax: manufacturer-Entech: 20 cm packing material

Semivolatile Organics Instruments - Westborough

Semivolatile Organics (Acid/Base/Neutral Extractables):

Instrument: Agilent 5973N MSD	Injection volume: 1 ul;2 uL LVI
Column Type: Restek RXI-5SILMS	df: 0.32 um
Column Length: 30 Meters	ID: 0.25 mm

Polynuclear Aromatic Hydrocarbons by 8270 SIM:

Instrument: Agilent 5973 MSD	Injection volume: 1 ul;2 uL LVI
Column Type: Restek RXI-5SILMS	df: 0.25 um
Column Length: 30 Meters	ID: 0.25 mm

Pesticides/PCB/Herbicides:

Instrument: Agilent 6890 w/Dual Micro ECDs	Injection Volume: 1uL
Column A: Restek RTX-CL/STX-CL	df: 0.32
Column B: Restek RTX/STX-CLPPesticide II	df: 0.25
Column Length: 30 Meters	ID: 0.32 mm

Petroleum/EPH:

Instrument: Agilent 6890 w/FID / HP 5890 w/ FID	Injection Volume: 1uL
Column: Restek RTX 5	df: 0.25
Column Length: 30 Meters	
ID: 0.32 mm	

Semivolatile Organic Instruments - Mansfield

Semivolatile Organics (ALK-PAH Extractables):

Instrument: Agilent 5973N / 5975 MSD	Injection volume: 1 ul
Column Type: ZB-5	df: 0.25 um
Column Length: 60 Meters	ID: 0.25 mm

Semivolatile Organics (8270):

Instrument: Agilent 5973N / 5975 MSD	Injection volume: 2 ul
Column Type: ZB-Semivolatiles	df: 0.25 um
Column Length: 30 Meters	ID: 0.25 mm

Semivolatile Organics (8270 SIM):

Instrument: Agilent 5973N / 5975 MSD	Injection volume: 3 ul
Column Type: ZB-5	df: 0.25 um
Column Length: 30 Meters	ID: 0.25 mm

Semivolatile Organics (1,4-Dioxane):

Instrument: Agilent 5973N / 5975 / 5977 MSD	Injection volume: 3 ul
Column Type: RTX-5	df: 0.25um, 0.18 um
Column Length: 30 Meters	ID: 0.25um, 0.18 mm

Semivolatile Organics (209 Congener):

Instrument: Agilent 5973N / 5975 MSD	Injection volume: 3 ul
Column Type: RTX-5, RTX-PCB	df: 0.25um, 0.18 um
Column Length: 60 Meters	ID: 0.25um, 0.18 mm

Semivolatile Organics (8081):

Instrument: Agilent 6890 / 7890	Injection volume: 1 ul
Column Type: RTX-5 / RTX-CLP II	df: 0.25 um
Column Length: 60 Meters	ID: 0.25 mm

Semivolatile Organics (8082):

Instrument: Agilent 6890 w/Dual Micro ECDs	Injection Volume: 1uL
Column A: Restek RTX-CL/STX-CL	df: 0.32
Column B: Restek RTX/STX-CLPPesticide II	df: 0.25
Column Length: 30 Meters	ID: 0.32 mm

Semivolatile Organics (SHC Extractables):

Instrument: Agilent 6890	Injection volume: 1 ul
Column Type: RTX-5	df: 0.25 um
Column Length: 60 Meters	ID: 0.25 mm

Sample Delivery Group Summary

Alpha Job Number : L2027694

Account Name : LaBella Associates, P.C.
Project Number : 2182207
Project Name : FORMER WOLLENSACK OPTICAL

Received : 30-JUN-2020
Reviewer : Kyle Provencher

Delivery Information

Samples Delivered By : Alpha Courier

Chain of Custody : Present

Cooler Information

Cooler	Seal/Seal#	Preservation	Temperature(°C)	Additional Information
A	Absent/	Ice	5.7	

Condition Information

1) All samples on COC received?	**YES**
2) Extra samples received?	**NO**
3) Are there any sample container discrepancies?	**NO**
4) Are there any discrepancies between sample labels & COC?	**NO**
5) Are samples in appropriate containers for requested analysis?	**YES**
6) Are samples properly preserved for requested analysis?	**YES**
7) Are samples within holding time for requested analysis?	**YES**
8) All sampling equipment returned?	**NA**

Volatile Organics/VPH

1) Reagent Water Vials Frozen by Client?	**NO**

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Jul 02 2020, 01:55 pm

Login Number: L2027694
Account: LABELLA-ROC LaBella Associates, P.C.Project: 2182207
Received: 30JUN20 Due Date: 02JUL20

Sample #	Client ID	Mat	PR	Collected
L2027694-01	SB-MW-07 (6-29-2020)	1	1B	29JUN20 13:00

Report list built for 8260 TICS needed for 8260 ASP-B Package Due Date: 07/02/20

ASP-B,NYTCL-8260-R2

L2027694-02	SB-MW-15 (6-29-2020)	1	1B	29JUN20 14:30

Report list built for 8260 TICS needed for 8260 Package Due Date: 07/02/20

NYTCL-8260-R2

L2027694-03	BW-03 (6-29-2020)	1	1B	29JUN20 15:46

Report list built for 8260 TICS needed for 8260 Package Due Date: 07/02/20

NYTCL-8260-R2

L2027694-04	BW-01	1	1B	30JUN20 09:30

Report list built for 8260 TICS needed for 8260 L2027694-04 MS L2027694-04 MSD Package Due Date: 07/02/20

MS/MSD,NYTCL-8260-R2

L2027694-05	SB-MW-14	1	1B	30JUN20 10:05

Report list built for 8260 TICS needed for 8260 Package Due Date: 07/02/20

NYTCL-8260-R2

L2027694-06	R1MW-04	1	1B	30JUN20 11:00

Report list built for 8260 TICS needed for 8260 Package Due Date: 07/02/20

NYTCL-8260-R2

L2027694-07	R1MW-02	1	1B	30JUN20 11:20

Report list built for 8260 TICS needed for 8260 Package Due Date: 07/02/20

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Jul 02 2020, 01:55 pm

Login Number: L2027694
Account: LABELLA-ROC LaBella Associates, P.C.Project: 2182207
Received: 30JUN20 Due Date: 02JUL20

Sample #	Client ID		Mat	PR	Collected
NYTCL-8260-R2					
L2027694-08	SB-MW-16		1	1B	30JUN20 11:45
Report list built for 8260 TICS needed for 8260 Package Due Date: 07/02/20					
NYTCL-8260-R2					
L2027694-09	RMW-16		1	1B	30JUN20 12:30
Report list built for 8260 TICS needed for 8260 Package Due Date: 07/02/20					
NYTCL-8260-R2					
L2027694-10	R1MW-19S		1	1B	30JUN20 12:45
Report list built for 8260 TICS needed for 8260 Package Due Date: 07/02/20					
NYTCL-8260-R2					
L2027694-11	R1MW-19D		1	1B	30JUN20 13:00
Report list built for 8260 TICS needed for 8260 Package Due Date: 07/02/20					
NYTCL-8260-R2					
L2027694-12	QA/QC		1	1B	30JUN20 00:00
Report list built for 8260 TICS needed for 8260 Package Due Date: 07/02/20					
NYTCL-8260-R2					
L2027694-13	TRIP BLANK		1	1B	30JUN20 14:00
Report list built for 8260 TICS needed for 8260 Package Due Date: 07/02/20					
NYTCL-8260-R2					

Logged By: Kyle Provencher

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 2

Date Rec'd in Lab: 7/1/20

ALPHA Job #: L2027694

Client Information
Client: LaBella Associates
Address: 300 State Street
Rochester, NY 14614
Phone: 585-454-6110
Fax:
Email: mpelychaty@labellapc.com

Project Information
Project Name: Former Wollensack Optical
Project Location: Rochester, NY
Project # 2182207
(Use Project name as Project #) ☐
Project Manager: Mike Pelychaty
ALPHAQuote #:

Turn-Around Time
~~Standard~~ ☐
Rush (only if pre approved) ☒
Due Date:
of Days: 2 Days

Deliverables
☐ ASP-A ☒ ASP-B
☐ EQuIS (1 File) ☒ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☒ Same as Client Info
PO # 2182207

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOCs + TICs via 8260	Sample Specific Comments	Total Bottle
27694-01	SB-MW-07 (6.29.2020)	06/29/20	1300	GW	AGS	X		3
-02	SB-MW-15 (6.29.2020)	06/29/20	1430	GW	AGS	X		3
-03	BW-03 (6.29.2020)	06/29/20	1546	GW	AGS	X		3
-04	BW-01	6/30/20	930		JWF	X	MS/MSD here	9
-05	~~BW-01~~ SB-MW-14		1005			X		3
-06	RIMW-04		1100			X		3
-07	RIMW-02		1120			X		3
-08	SB-MW-16		1145			X		3
-09	RIMW-16		1230			X		3
-10	RIMW-19S		1245			X	permanganate in sample	3

Container Type: V
Preservative: B

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
	6/30/20 15:30	RCunningham AAL	6/30/20 16:52
RCunningham AAL	6/30/20 16:52		7/1/20 00:45

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 3 of 3

Date Rec'd in Lab: 7/1/20

ALPHA Job #: L2027694

Client Information
Client: LaBella
Address: 300 State Street, Rochester, NY 14614
Phone: 585-454-6110
Fax:
Email: mpelychaty@labellapc.com

Project Information
Project Name: Former Wollensack Optical
Project Location: Rochester NY
Project #: 2182207
(Use Project name as Project #) ☐
Project Manager: Mike Pelychaty
ALPHAQuote #:

Turn-Around Time
Standard ☐ Due Date:
Rush (only if pre approved) ☒ # of Days:

Deliverables
☐ ASP-A ☒ ASP-B
☐ EQuIS (1 File) ☒ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☒ Same as Client Info
PO #: 2182207

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOCs + TICs 8260	Sample Specific Comments	Total Bottle
27694-11	RIMW-19D	6/30/20	13:00	GW	JWF	X	permagnate in sample	3
-12	QA/QC	6/30/20	—	GW	JWF	X		3
-13	Trip Blank	6/30/20	14:00	GW	JWF	X		3

Container Type: V
Preservative: B

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
	15:30 6/30/20	RCunningham AAL	6/30/20 16:52
RCunningham AAL	6/30/20 16:52		7/1/20 08:45

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

Organics

GC/MS 8260
Analysis

Volatiles QC Summary

Surrogate Recovery Summary
Form 2
Volatiles

Client: LaBella Associates, P.C.
Project Name: FORMER WOLLENSACK OPTICAL

Lab Number: L2027694
Project Number: 2182207
Matrix: Water

CLIENT ID (LAB SAMPLE NO.)	SMC1 DCA	SMC2 TOL	SMC3 BFB	SMC4 DBFM	TOT OUT
SB-MW-07 (6-29-2020) (L2027694-01D)	114	105	101	97	0
SB-MW-15 (6-29-2020) (L2027694-02D)	105	104	98	94	0
BW-03 (6-29-2020) (L2027694-03D)	111	93	90	106	0
BW-01 (L2027694-04D)	109	96	89	107	0
SB-MW-14 (L2027694-05D)	113	96	90	108	0
R1MW-04 (L2027694-06D)	111	95	89	107	0
R1MW-02 (L2027694-07D)	110	93	91	108	0
SB-MW-16 (L2027694-08D)	101	97	95	89	0
RMW-16 (L2027694-09D)	108	106	102	94	0
R1MW-19S (L2027694-10)	97	98	95	102	0
R1MW-19D (L2027694-11D)	109	95	90	107	0
QA/QC (L2027694-12D)	97	97	94	102	0
TRIP BLANK (L2027694-13)	110	96	92	106	0
WG1388388-3LCS	110	94	86	107	0
WG1388388-4LCSD	105	95	89	107	0
WG1388388-5BLANK	107	95	89	107	0
BW-01MS	107	94	88	106	0
BW-01MSD	109	93	89	107	0
WG1388497-3LCS	98	99	92	113	0
WG1388497-4LCSD	100	110	92	93	0
WG1388497-5BLANK	96	97	91	100	0
WG1388512-3LCS	104	105	98	94	0
WG1388512-4LCSD	104	104	98	96	0
WG1388512-5BLANK	111	103	101	98	0

QC LIMITS

(70-130) DCA = 1,2-DICHLOROETHANE-D4
(70-130) TOL = TOLUENE-D8
(70-130) BFB = 4-BROMOFLUOROBENZENE
(70-130) DBFM = DIBROMOFLUOROMETHANE

*** Values outside of QC limits**

FORM II NYTCL-8260-R2

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: LaBella Associates, P.C.	**Lab Number**	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	**Project Number**	: 2182207
Matrix	: WATER		
LCS Sample ID	: WG1388388-3 **Analysis Date** : 07/01/20 08:46	**File ID**	: V22200701A01
LCSD Sample ID	: WG1388388-4 **Analysis Date** : 07/01/20 09:10	**File ID**	: V22200701A02

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Methylene chloride	10	9.7	97	10	9.2	92	5	70-130	20
1,1-Dichloroethane	10	11	110	10	10	100	10	70-130	20
Chloroform	10	10	100	10	10	100	0	70-130	20
Carbon tetrachloride	10	10	100	10	10	100	0	63-132	20
1,2-Dichloropropane	10	9.8	98	10	9.6	96	2	70-130	20
Dibromochloromethane	10	9.5	95	10	9.2	92	3	63-130	20
1,1,2-Trichloroethane	10	8.6	86	10	8.6	86	0	70-130	20
Tetrachloroethene	10	9.5	95	10	9.6	96	1	70-130	20
Chlorobenzene	10	9.5	95	10	9.6	96	1	75-130	20
Trichlorofluoromethane	10	11	110	10	10	100	10	62-150	20
1,2-Dichloroethane	10	11	110	10	10	100	10	70-130	20
1,1,1-Trichloroethane	10	11	110	10	10	100	10	67-130	20
Bromodichloromethane	10	9.5	95	10	9.3	93	2	67-130	20
trans-1,3-Dichloropropene	10	8.7	87	10	8.4	84	4	70-130	20
cis-1,3-Dichloropropene	10	8.9	89	10	8.5	85	5	70-130	20
Bromoform	10	9.0	90	10	8.9	89	1	54-136	20
1,1,2,2-Tetrachloroethane	10	8.4	84	10	8.3	83	1	67-130	20
Benzene	10	9.0	90	10	8.7	87	3	70-130	20
Toluene	10	9.1	91	10	9.1	91	0	70-130	20
Ethylbenzene	10	9.3	93	10	9.2	92	1	70-130	20
Chloromethane	10	11	110	10	11	110	0	64-130	20
Bromomethane	10	5.8	58	10	5.8	58	0	39-139	20
Vinyl chloride	10	9.5	95	10	9.0	90	5	55-140	20
Chloroethane	10	9.8	98	10	9.0	90	9	55-138	20
1,1-Dichloroethene	10	10	100	10	9.5	95	5	61-145	20
trans-1,2-Dichloroethene	10	10	100	10	9.8	98	2	70-130	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: LaBella Associates, P.C.	**Lab Number**	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	**Project Number**	: 2182207
Matrix	: WATER		
LCS Sample ID	: WG1388388-3 **Analysis Date** : 07/01/20 08:46	**File ID**	: V22200701A01
LCSD Sample ID	: WG1388388-4 **Analysis Date** : 07/01/20 09:10	**File ID**	: V22200701A02

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Trichloroethene	10	9.2	92	10	8.9	89	3	70-130	20
1,2-Dichlorobenzene	10	9.7	97	10	9.6	96	1	70-130	20
1,3-Dichlorobenzene	10	9.8	98	10	9.8	98	0	70-130	20
1,4-Dichlorobenzene	10	9.7	97	10	9.6	96	1	70-130	20
Methyl tert butyl ether	10	9.0	90	10	8.4	84	7	63-130	20
p/m-Xylene	20	19	95	20	19	95	0	70-130	20
o-Xylene	20	19	95	20	19	95	0	70-130	20
cis-1,2-Dichloroethene	10	10	100	10	9.9	99	1	70-130	20
Styrene	20	19	95	20	19	95	0	70-130	20
Dichlorodifluoromethane	10	9.4	94	10	9.2	92	2	36-147	20
Acetone	10	12	120	10	11	110	9	58-148	20
Carbon disulfide	10	9.8	98	10	9.4	94	4	51-130	20
2-Butanone	10	12	120	10	9.9	99	19	63-138	20
4-Methyl-2-pentanone	10	8.4	84	10	7.5	75	11	59-130	20
2-Hexanone	10	7.5	75	10	6.8	68	10	57-130	20
Bromochloromethane	10	10	100	10	10	100	0	70-130	20
1,2-Dibromoethane	10	8.9	89	10	8.5	85	5	70-130	20
1,2-Dibromo-3-chloropropane	10	8.6	86	10	7.9	79	8	41-144	20
Isopropylbenzene	10	9.1	91	10	8.9	89	2	70-130	20
1,2,3-Trichlorobenzene	10	9.3	93	10	9.3	93	0	70-130	20
1,2,4-Trichlorobenzene	10	9.4	94	10	9.2	92	2	70-130	20
Methyl Acetate	10	11	110	10	9.8	98	12	70-130	20
Cyclohexane	10	10	100	10	9.8	98	2	70-130	20
1,4-Dioxane	500	750	150	500	700	140	7	56-162	20
Freon-113	10	10	100	10	10	100	0	70-130	20
Methyl cyclohexane	10	8.9	89	10	8.6	86	3	70-130	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: LaBella Associates, P.C.	**Lab Number**	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	**Project Number**	: 2182207
Matrix	: WATER		
LCS Sample ID	: WG1388497-3 **Analysis Date** : 07/01/20 17:15	**File ID**	: VE200701N01
LCSD Sample ID	: WG1388497-4 **Analysis Date** : 07/01/20 17:36	**File ID**	: VE200701N02

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Methylene chloride	10	11	110	10	10	100	10	70-130	20
1,1-Dichloroethane	10	12	120	10	11	110	9	70-130	20
Chloroform	10	11	110	10	10	100	10	70-130	20
Carbon tetrachloride	10	10	100	10	10	100	0	63-132	20
1,2-Dichloropropane	10	12	120	10	11	110	9	70-130	20
Dibromochloromethane	10	8.1	81	10	10	100	21 Q	63-130	20
1,1,2-Trichloroethane	10	9.4	94	10	11	110	16	70-130	20
Tetrachloroethene	10	9.8	98	10	12	120	20	70-130	20
Chlorobenzene	10	10	100	10	11	110	10	75-130	20
Trichlorofluoromethane	10	12	120	10	11	110	9	62-150	20
1,2-Dichloroethane	10	9.9	99	10	10	100	1	70-130	20
1,1,1-Trichloroethane	10	10	100	10	9.7	97	3	67-130	20
Bromodichloromethane	10	10	100	10	9.7	97	3	67-130	20
trans-1,3-Dichloropropene	10	7.9	79	10	9.6	96	19	70-130	20
cis-1,3-Dichloropropene	10	9.8	98	10	9.8	98	0	70-130	20
Bromoform	10	7.1	71	10	8.2	82	14	54-136	20
1,1,2,2-Tetrachloroethane	10	8.1	81	10	9.3	93	14	67-130	20
Benzene	10	10	100	10	9.9	99	1	70-130	20
Toluene	10	9.7	97	10	11	110	13	70-130	20
Ethylbenzene	10	9.7	97	10	10	100	3	70-130	20
Chloromethane	10	12	120	10	10	100	18	64-130	20
Bromomethane	10	12	120	10	9.9	99	19	39-139	20
Vinyl chloride	10	12	120	10	9.6	96	22 Q	55-140	20
Chloroethane	10	13	130	10	12	120	8	55-138	20
1,1-Dichloroethene	10	12	120	10	11	110	9	61-145	20
trans-1,2-Dichloroethene	10	12	120	10	12	120	0	70-130	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: LaBella Associates, P.C.	**Lab Number**	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	**Project Number**	: 2182207
Matrix	: WATER		
LCS Sample ID	: WG1388497-3 **Analysis Date** : 07/01/20 17:15	**File ID**	: VE200701N01
LCSD Sample ID	: WG1388497-4 **Analysis Date** : 07/01/20 17:36	**File ID**	: VE200701N02

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Trichloroethene	10	11	110	10	12	120	9	70-130	20
1,2-Dichlorobenzene	10	9.5	95	10	10	100	5	70-130	20
1,3-Dichlorobenzene	10	10	100	10	11	110	10	70-130	20
1,4-Dichlorobenzene	10	9.6	96	10	10	100	4	70-130	20
Methyl tert butyl ether	10	9.1	91	10	9.1	91	0	63-130	20
p/m-Xylene	20	20	100	20	21	105	5	70-130	20
o-Xylene	20	20	100	20	24	120	18	70-130	20
cis-1,2-Dichloroethene	10	13	130	10	11	110	17	70-130	20
Styrene	20	20	100	20	23	115	14	70-130	20
Dichlorodifluoromethane	10	9.1	91	10	8.0	80	13	36-147	20
Acetone	10	10	100	10	9.1	91	9	58-148	20
Carbon disulfide	10	11	110	10	11	110	0	51-130	20
2-Butanone	10	7.7	77	10	11	110	35 Q	63-138	20
4-Methyl-2-pentanone	10	7.1	71	10	9.4	94	28 Q	59-130	20
2-Hexanone	10	6.7	67	10	7.7	77	14	57-130	20
Bromochloromethane	10	12	120	10	11	110	9	70-130	20
1,2-Dibromoethane	10	8.4	84	10	11	110	27 Q	70-130	20
1,2-Dibromo-3-chloropropane	10	6.2	62	10	7.6	76	20	41-144	20
Isopropylbenzene	10	9.6	96	10	10	100	4	70-130	20
1,2,3-Trichlorobenzene	10	8.8	88	10	9.4	94	7	70-130	20
1,2,4-Trichlorobenzene	10	9.0	90	10	9.7	97	7	70-130	20
Methyl Acetate	10	11	110	10	10	100	10	70-130	20
Cyclohexane	10	12	120	10	10	100	18	70-130	20
1,4-Dioxane	500	360	72	500	330	66	9	56-162	20
Freon-113	10	12	120	10	11	110	9	70-130	20
Methyl cyclohexane	10	9.8	98	10	10	100	2	70-130	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: LaBella Associates, P.C.	**Lab Number**	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	**Project Number**	: 2182207
Matrix	: WATER		
LCS Sample ID	: WG1388512-3 **Analysis Date** : 07/02/20 06:58	**File ID**	: V08200702A01
LCSD Sample ID	: WG1388512-4 **Analysis Date** : 07/02/20 07:20	**File ID**	: V08200702A02

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Methylene chloride	10	9.0	90	10	8.8	88	2	70-130	20
1,1-Dichloroethane	10	9.9	99	10	9.6	96	3	70-130	20
Chloroform	10	9.0	90	10	8.7	87	3	70-130	20
Carbon tetrachloride	10	9.2	92	10	8.8	88	4	63-132	20
1,2-Dichloropropane	10	8.9	89	10	8.8	88	1	70-130	20
Dibromochloromethane	10	9.2	92	10	8.9	89	3	63-130	20
1,1,2-Trichloroethane	10	9.3	93	10	8.8	88	6	70-130	20
Tetrachloroethene	10	9.9	99	10	9.4	94	5	70-130	20
Chlorobenzene	10	10	100	10	9.7	97	3	75-130	20
Trichlorofluoromethane	10	9.6	96	10	9.4	94	2	62-150	20
1,2-Dichloroethane	10	9.4	94	10	9.4	94	0	70-130	20
1,1,1-Trichloroethane	10	9.0	90	10	8.9	89	1	67-130	20
Bromodichloromethane	10	8.3	83	10	8.0	80	4	67-130	20
trans-1,3-Dichloropropene	10	8.8	88	10	8.7	87	1	70-130	20
cis-1,3-Dichloropropene	10	8.4	84	10	8.2	82	2	70-130	20
Bromoform	10	8.9	89	10	8.6	86	3	54-136	20
1,1,2,2-Tetrachloroethane	10	9.2	92	10	8.8	88	4	67-130	20
Benzene	10	9.0	90	10	8.8	88	2	70-130	20
Toluene	10	10	100	10	9.5	95	5	70-130	20
Ethylbenzene	10	10	100	10	9.7	97	3	70-130	20
Chloromethane	10	7.9	79	10	7.5	75	5	64-130	20
Bromomethane	10	7.4	74	10	7.9	79	7	39-139	20
Vinyl chloride	10	8.9	89	10	8.5	85	5	55-140	20
Chloroethane	10	10	100	10	9.9	99	1	55-138	20
1,1-Dichloroethene	10	9.4	94	10	9.0	90	4	61-145	20
trans-1,2-Dichloroethene	10	9.0	90	10	8.8	88	2	70-130	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: LaBella Associates, P.C.	**Lab Number**	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	**Project Number**	: 2182207
Matrix	: WATER		
LCS Sample ID	: WG1388512-3 **Analysis Date** : 07/02/20 06:58	**File ID**	: V08200702A01
LCSD Sample ID	: WG1388512-4 **Analysis Date** : 07/02/20 07:20	**File ID**	: V08200702A02

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Trichloroethene	10	8.4	84	10	8.3	83	1	70-130	20
1,2-Dichlorobenzene	10	10	100	10	10	100	0	70-130	20
1,3-Dichlorobenzene	10	11	110	10	9.9	99	11	70-130	20
1,4-Dichlorobenzene	10	11	110	10	9.8	98	12	70-130	20
Methyl tert butyl ether	10	8.6	86	10	8.5	85	1	63-130	20
p/m-Xylene	20	20	100	20	19	95	5	70-130	20
o-Xylene	20	20	100	20	20	100	0	70-130	20
cis-1,2-Dichloroethene	10	9.0	90	10	8.9	89	1	70-130	20
Styrene	20	20	100	20	19	95	5	70-130	20
Dichlorodifluoromethane	10	6.6	66	10	6.2	62	6	36-147	20
Acetone	10	8.7	87	10	8.6	86	1	58-148	20
Carbon disulfide	10	9.1	91	10	8.8	88	3	51-130	20
2-Butanone	10	8.8	88	10	9.1	91	3	63-138	20
4-Methyl-2-pentanone	10	8.1	81	10	7.9	79	3	59-130	20
2-Hexanone	10	8.4	84	10	8.6	86	2	57-130	20
Bromochloromethane	10	9.6	96	10	9.1	91	5	70-130	20
1,2-Dibromoethane	10	9.3	93	10	9.2	92	1	70-130	20
1,2-Dibromo-3-chloropropane	10	8.4	84	10	8.0	80	5	41-144	20
Isopropylbenzene	10	10	100	10	9.8	98	2	70-130	20
1,2,3-Trichlorobenzene	10	9.4	94	10	9.2	92	2	70-130	20
1,2,4-Trichlorobenzene	10	9.7	97	10	9.1	91	6	70-130	20
Methyl Acetate	10	8.0	80	10	8.2	82	2	70-130	20
Cyclohexane	10	9.1	91	10	8.9	89	2	70-130	20
1,4-Dioxane	500	490	98	500	470	94	4	56-162	20
Freon-113	10	9.9	99	10	9.5	95	4	70-130	20
Methyl cyclohexane	10	8.8	88	10	8.5	85	3	70-130	20

Matrix Spike Sample Summary
Form 3
Volatiles

Client	: LaBella Associates, P.C.	**Lab Number**	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	**Project Number**	: 2182207
Client Sample ID	: BW-01	**Matrix**	: WATER
Lab Sample ID	: L2027694-04	**Analysis Date**	: 07/01/20 16:57
Matrix Spike	: WG1388388-6	**MS Analysis Date**	: 07/01/20 19:01
Matrix Spike Dup	: WG1388388-7	**MSD Analysis Date**	: 07/01/20 19:25

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Methylene chloride	ND	500	470	94	500	480	96	2	70-130	20
1,1-Dichloroethane	ND	500	530	106	500	540	108	2	70-130	20
Chloroform	ND	500	510	102	500	520	104	2	70-130	20
Carbon tetrachloride	ND	500	510	102	500	530	106	4	63-132	20
1,2-Dichloropropane	ND	500	480	96	500	500	100	4	70-130	20
Dibromochloromethane	ND	500	450	90	500	460	92	2	63-130	20
1,1,2-Trichloroethane	ND	500	430	86	500	440	88	2	70-130	20
Tetrachloroethene	14J	500	490	98	500	500	100	2	70-130	20
Chlorobenzene	ND	500	470	94	500	480	96	2	75-130	20
Trichlorofluoromethane	ND	500	560	112	500	570	114	2	62-150	20
1,2-Dichloroethane	ND	500	530	106	500	540	108	2	70-130	20
1,1,1-Trichloroethane	ND	500	530	106	500	550	110	4	67-130	20
Bromodichloromethane	ND	500	460	92	500	490	98	6	67-130	20
trans-1,3-Dichloropropene	ND	500	370	74	500	390	78	5	70-130	20
cis-1,3-Dichloropropene	ND	500	400	80	500	420	84	5	70-130	20
Bromoform	ND	500	420	84	500	450	90	7	54-136	20
1,1,2,2-Tetrachloroethane	ND	500	400	80	500	430	86	7	67-130	20
Benzene	ND	500	450	90	500	460	92	2	70-130	20
Toluene	ND	500	450	90	500	460	92	2	70-130	20
Ethylbenzene	ND	500	450	90	500	460	92	2	70-130	20
Chloromethane	ND	500	550	110	500	570	114	4	64-130	20
Bromomethane	ND	500	150	30 Q	500	190	38 Q	24 Q	39-139	20

Matrix Spike Sample Summary
Form 3
Volatiles

Client	: LaBella Associates, P.C.	**Lab Number**	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	**Project Number**	: 2182207
Client Sample ID	: BW-01	**Matrix**	: WATER
Lab Sample ID	: L2027694-04	**Analysis Date**	: 07/01/20 16:57
Matrix Spike	: WG1388388-6	**MS Analysis Date**	: 07/01/20 19:01
Matrix Spike Dup	: WG1388388-7	**MSD Analysis Date**	: 07/01/20 19:25

		Matrix Spike Sample				Matrix Spike Duplicate					
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R		Spike Added (ug/l)	Spike Conc. (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Vinyl chloride	ND	500	490	98		500	500	100	2	55-140	20
Chloroethane	ND	500	480	96		500	500	100	4	55-138	20
1,1-Dichloroethene	ND	500	500	100		500	520	104	4	61-145	20
trans-1,2-Dichloroethene	ND	500	520	104		500	540	108	4	70-130	20
Trichloroethene	5400	500	5500	20	Q	500	5400	0 Q	2	70-130	20
1,2-Dichlorobenzene	ND	500	460	92		500	490	98	6	70-130	20
1,3-Dichlorobenzene	ND	500	470	94		500	490	98	4	70-130	20
1,4-Dichlorobenzene	ND	500	470	94		500	480	96	2	70-130	20
Methyl tert butyl ether	ND	500	420	84		500	430	86	2	63-130	20
p/m-Xylene	ND	1000	940	94		1000	950	95	1	70-130	20
o-Xylene	ND	1000	920	92		1000	930	93	1	70-130	20
cis-1,2-Dichloroethene	220	500	700	96		500	720	100	3	70-130	20
Styrene	ND	1000	900	90		1000	930	93	3	70-130	20
Dichlorodifluoromethane	ND	500	490	98		500	500	100	2	36-147	20
Acetone	ND	500	650	130		500	660	132	2	58-148	20
Carbon disulfide	ND	500	480	96		500	500	100	4	51-130	20
2-Butanone	ND	500	490	98		500	530	106	8	63-138	20
4-Methyl-2-pentanone	ND	500	390	78		500	410	82	5	59-130	20
2-Hexanone	ND	500	350	70		500	370	74	6	57-130	20
Bromochloromethane	ND	500	500	100		500	520	104	4	70-130	20
1,2-Dibromoethane	ND	500	430	86		500	450	90	5	70-130	20
1,2-Dibromo-3-chloropropane	ND	500	400	80		500	420	84	5	41-144	20

Matrix Spike Sample Summary
Form 3
Volatiles

Client	: LaBella Associates, P.C.	**Lab Number**	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	**Project Number**	: 2182207
Client Sample ID	: BW-01	**Matrix**	: WATER
Lab Sample ID	: L2027694-04	**Analysis Date**	: 07/01/20 16:57
Matrix Spike	: WG1388388-6	**MS Analysis Date**	: 07/01/20 19:01
Matrix Spike Dup	: WG1388388-7	**MSD Analysis Date**	: 07/01/20 19:25

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Isopropylbenzene	ND	500	430	86	500	440	88	2	70-130	20
1,2,3-Trichlorobenzene	ND	500	430	86	500	460	92	7	70-130	20
1,2,4-Trichlorobenzene	ND	500	430	86	500	460	92	7	70-130	20
Methyl Acetate	ND	500	470	94	500	500	100	6	70-130	20
Cyclohexane	ND	500	520	104	500	520	104	0	70-130	20
1,4-Dioxane	ND	25000	38000	152	25000	40000	160	5	56-162	20
Freon-113	ND	500	530	106	500	540	108	2	70-130	20
Methyl cyclohexane	ND	500	480J	96	500	490J	98	2	70-130	20

Method Blank Summary
Form 4
Volatiles

Client	: LaBella Associates, P.C.	**Lab Number**	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	**Project Number**	: 2182207
Lab Sample ID	: WG1388388-5	**Lab File ID**	: V22200701A05
Instrument ID	: VOA122		
Matrix	: WATER	**Analysis Date**	: 07/01/20 10:24

Client Sample No.	Lab Sample ID	Analysis Date
WG1388388-3LCS	WG1388388-3	07/01/20 08:46
WG1388388-4LCSD	WG1388388-4	07/01/20 09:10
TRIP BLANK	L2027694-13	07/01/20 14:55
R1MW-19D	L2027694-11D	07/01/20 15:19
BW-03 (6-29-2020)	L2027694-03D	07/01/20 16:33
BW-01	L2027694-04D	07/01/20 16:57
SB-MW-14	L2027694-05D	07/01/20 17:22
R1MW-04	L2027694-06D	07/01/20 18:11
R1MW-02	L2027694-07D	07/01/20 18:36
BW-01MS	WG1388388-6	07/01/20 19:01
BW-01MSD	WG1388388-7	07/01/20 19:25

Method Blank Summary
Form 4
Volatiles

Client	: LaBella Associates, P.C.	**Lab Number**	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	**Project Number**	: 2182207
Lab Sample ID	: WG1388497-5	**Lab File ID**	: VE200701N05
Instrument ID	: ELAINE		
Matrix	: WATER	**Analysis Date**	: 07/01/20 18:40

Client Sample No.	Lab Sample ID	Analysis Date
WG1388497-3LCS	WG1388497-3	07/01/20 17:15
WG1388497-4LCSD	WG1388497-4	07/01/20 17:36
R1MW-19S	L2027694-10	07/02/20 00:43
SB-MW-16	L2027694-08D	07/02/20 01:05
QA/QC	L2027694-12D	07/02/20 01:26

Method Blank Summary
Form 4
Volatiles

Client	: LaBella Associates, P.C.	**Lab Number**	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	**Project Number**	: 2182207
Lab Sample ID	: WG1388512-5	**Lab File ID**	: V08200702A05
Instrument ID	: VOA108		
Matrix	: WATER	**Analysis Date**	: 07/02/20 08:26

Client Sample No.	Lab Sample ID	Analysis Date
WG1388512-3LCS	WG1388512-3	07/02/20 06:58
WG1388512-4LCSD	WG1388512-4	07/02/20 07:20
SB-MW-07 (6-29-2020)	L2027694-01D	07/02/20 08:48
SB-MW-15 (6-29-2020)	L2027694-02D	07/02/20 09:13
RMW-16	L2027694-09D	07/02/20 09:35

Instrument Performance Check (Tune) Summary
Form 5
Volatiles
Bromofluorobenzene (BFB)

Client	: LaBella Associates, P.C.	**Lab Number**	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	**Project Number**	: 2182207
Instrument ID	: ELAINE	**Analysis Date**	: 06/02/20 13:54
Tune Standard	: WG1377468-1	**Tune File ID**	: VE200602bfb2_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	20.8
75	30.0 - 60.0% of mass 95	47.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.1
173	Less than 2.0% of mass 174	0 (0)1
174	Greater than 50.0 of mass 95	73.7
175	5.0 - 9.0% of mass 174	5.3 (7.2)1
176	95.0 - 101% of mass 174	73.4 (99.7)1
177	5.0 - 9.0% of mass 176	4.8 (6.5)2

1-Value is % of mass 174 2-Value is % of mass 176

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
STDL0.19PP	R1319290-1	VE200602N05	06/02/20 15:42
STDL0.5PPB	R1319290-2	VE200602N07	06/02/20 16:25
STDL2.0PPB	R1319290-4	VE200602N09	06/02/20 17:10
STDL10.0PP	R1319290-3	VE200602N10	06/02/20 17:32
STDL30.0PP	R1319290-5	VE200602N11	06/02/20 17:54
STDL80.0PP	R1319290-6	VE200602N12	06/02/20 18:17
STDL120.0P	R1319290-7	VE200602N13	06/02/20 18:39
STDL200.0P	R1319290-8	VE200602N14	06/02/20 19:01
ICV Quant Report	R1319290-9	VE200602N20	06/02/20 21:11

Instrument Performance Check (Tune) Summary
Form 5
Volatiles
Bromofluorobenzene (BFB)

Client	: LaBella Associates, P.C.	**Lab Number**	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	**Project Number**	: 2182207
Instrument ID	: ELAINE	**Analysis Date**	: 07/01/20 16:56
Tune Standard	: WG1388497-1	**Tune File ID**	: VE200701NBF3_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	20.4
75	30.0 - 60.0% of mass 95	48
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0 (0)1
174	Greater than 50.0 of mass 95	79
175	5.0 - 9.0% of mass 174	5.3 (6.7)1
176	95.0 - 101% of mass 174	79.6 (100.)1
177	5.0 - 9.0% of mass 176	4.9 (6.2)2

1-Value is % of mass 174 2-Value is % of mass 176

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG1388497-2CCAL	WG1388497-2	VE200701N01	07/01/20 17:15
WG1388497-3LCS	WG1388497-3	VE200701N01	07/01/20 17:15
WG1388497-4LCSD	WG1388497-4	VE200701N02	07/01/20 17:36
WG1388497-5BLANK	WG1388497-5	VE200701N05	07/01/20 18:40
R1MW-19S	L2027694-10	VE200701N22	07/02/20 00:43
SB-MW-16	L2027694-08D	VE200701N23	07/02/20 01:05
QA/QC	L2027694-12D	VE200701N24	07/02/20 01:26

Instrument Performance Check (Tune) Summary
Form 5
Volatiles
Bromofluorobenzene (BFB)

Client	: LaBella Associates, P.C.	**Lab Number**	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	**Project Number**	: 2182207
Instrument ID	: VOA122	**Analysis Date**	: 06/17/20 14:51
Tune Standard	: WG1383235-1	**Tune File ID**	: V22200617NBF2_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	18.4
75	30.0 - 60.0% of mass 95	42.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0 (0)1
174	Greater than 50.0 of mass 95	81
175	5.0 - 9.0% of mass 174	6 (7.3)1
176	95.0 - 101% of mass 174	79.1 (97.6)1
177	5.0 - 9.0% of mass 176	5.4 (6.8)2

1-Value is % of mass 174 2-Value is % of mass 176

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
STDL0.19PP	R1324775-1	V22200617N03	06/17/20 16:01
STDL0.5PPB	R1324775-2	V22200617N05	06/17/20 16:50
STDL2.0PPB	R1324775-4	V22200617N08	06/17/20 18:05
STDL10.0PP	R1324775-5	V22200617N09	06/17/20 18:30
STDL30.0PP	R1324775-3	V22200617N10	06/17/20 18:55
STDL80.0PP	R1324775-7	V22200617N11	06/17/20 19:20
STDL120.0P	R1324775-6	V22200617N12	06/17/20 19:45
STDL200.0P	R1324775-8	V22200617N13	06/17/20 20:10
ICV Quant Report	R1324775-9	V22200617N20	06/17/20 23:05

Instrument Performance Check (Tune) Summary
Form 5
Volatiles
Bromofluorobenzene (BFB)

Client	: LaBella Associates, P.C.	**Lab Number**	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	**Project Number**	: 2182207
Instrument ID	: VOA122	**Analysis Date**	: 07/01/20 08:31
Tune Standard	: WG1388388-1	**Tune File ID**	: V22200701ABF1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	20.1
75	30.0 - 60.0% of mass 95	47.6
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.4 (.4)1
174	Greater than 50.0 of mass 95	93.6
175	5.0 - 9.0% of mass 174	7.5 (8)1
176	95.0 - 101% of mass 174	89.7 (95.8)1
177	5.0 - 9.0% of mass 176	5.9 (6.6)2

1-Value is % of mass 174 2-Value is % of mass 176

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG1388388-2CCAL	WG1388388-2	V22200701A01	07/01/20 08:46
WG1388388-3LCS	WG1388388-3	V22200701A01	07/01/20 08:46
WG1388388-4LCSD	WG1388388-4	V22200701A02	07/01/20 09:10
WG1388388-5BLANK	WG1388388-5	V22200701A05	07/01/20 10:24
TRIP BLANK	L2027694-13	V22200701A16	07/01/20 14:55
R1MW-19D	L2027694-11D	V22200701A17	07/01/20 15:19
BW-03 (6-29-2020)	L2027694-03D	V22200701A20	07/01/20 16:33
BW-01	L2027694-04D	V22200701A21	07/01/20 16:57
SB-MW-14	L2027694-05D	V22200701A22	07/01/20 17:22
R1MW-04	L2027694-06D	V22200701A24	07/01/20 18:11
R1MW-02	L2027694-07D	V22200701A25	07/01/20 18:36
WG1388388-6MS	WG1388388-6	V22200701A26	07/01/20 19:01
WG1388388-7MSD	WG1388388-7	V22200701A27	07/01/20 19:25

Instrument Performance Check (Tune) Summary
Form 5
Volatiles
Bromofluorobenzene (BFB)

Client	: LaBella Associates, P.C.	**Lab Number**	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	**Project Number**	: 2182207
Instrument ID	: VOA108	**Analysis Date**	: 06/23/20 15:21
Tune Standard	: WG1385357-1	**Tune File ID**	: V08200623NBF1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	22.9
75	30.0 - 60.0% of mass 95	45.9
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.2
173	Less than 2.0% of mass 174	0.3 (.4)1
174	Greater than 50.0 of mass 95	72.5
175	5.0 - 9.0% of mass 174	5.7 (7.8)1
176	95.0 - 101% of mass 174	70.3 (97)1
177	5.0 - 9.0% of mass 176	4.5 (6.4)2

1-Value is % of mass 174 2-Value is % of mass 176

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
STDL0.19PP	R1326740-1	V08200623N04	06/23/20 16:49
STDL0.5PPB	R1326740-2	V08200623N06	06/23/20 17:33
STDL2.0PPB	R1326740-3	V08200623N08	06/23/20 18:17
STDL10.0PP	R1326740-4	V08200623N09	06/23/20 18:39
STDL30.0PP	R1326740-5	V08200623N10	06/23/20 19:01
STDL80.00P	R1326740-6	V08200623N11	06/23/20 19:23
STDL120.0P	R1326740-8	V08200623N12	06/23/20 19:45
STDL200.0P	R1326740-7	V08200623N13	06/23/20 20:07
ICV Quant Report	R1326740-9	V08200623N19	06/23/20 22:19

Instrument Performance Check (Tune) Summary
Form 5
Volatiles
Bromofluorobenzene (BFB)

Client	: LaBella Associates, P.C.	**Lab Number**	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	**Project Number**	: 2182207
Instrument ID	: VOA108	**Analysis Date**	: 07/02/20 06:43
Tune Standard	: WG1388512-1	**Tune File ID**	: V08200702ABF1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	25.2
75	30.0 - 60.0% of mass 95	49.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.2 (.3)1
174	Greater than 50.0 of mass 95	72.1
175	5.0 - 9.0% of mass 174	5.4 (7.5)1
176	95.0 - 101% of mass 174	69.7 (96.6)1
177	5.0 - 9.0% of mass 176	4.7 (6.7)2

1-Value is % of mass 174 2-Value is % of mass 176

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG1388512-2CCAL	WG1388512-2	V08200702A01	07/02/20 06:58
WG1388512-3LCS	WG1388512-3	V08200702A01	07/02/20 06:58
WG1388512-4LCSD	WG1388512-4	V08200702A02	07/02/20 07:20
WG1388512-5BLANK	WG1388512-5	V08200702A05	07/02/20 08:26
SB-MW-07 (6-29-2020)	L2027694-01D	V08200702A06	07/02/20 08:48
SB-MW-15 (6-29-2020)	L2027694-02D	V08200702A07	07/02/20 09:13
RMW-16	L2027694-09D	V08200702A08	07/02/20 09:35

Internal Standard Area and RT Summary
Form 8a
Volatiles

Client	: LaBella Associates, P.C.	**Lab Number**	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	**Project Number**	: 2182207
Instrument ID	: VOA122	**Analysis Date**	: 07/01/20 08:46
Sample No	: WG1388388-2	**Lab File ID**	: V22200701A01

	Fluorobenzene (IS)		Chlorobenzene-d5		1,4-Dichlorobenzene-D4	
	Area	RT	Area	RT	Area	RT
WG1388388-2	180591	5.78	157975	9.30	82999	12.07
Upper Limit	361182	6.28	315950	9.80	165998	12.57
Lower Limit	90296	5.28	78988	8.80	41500	11.57
Sample ID						
WG1388388-3 LCS	180591	5.78	157975	9.30	82999	12.07
WG1388388-4 LCSD	181389	5.78	155623	9.30	80585	12.07
WG1388388-5 BLANK	188448	5.78	160401	9.31	77946	12.06
TRIP BLANK	179337	5.78	152241	9.31	74568	12.07
R1MW-19D	182773	5.78	155357	9.31	76271	12.07
BW-03 (6-29-2020)	174206	5.78	153349	9.31	74225	12.07
BW-01	179641	5.78	151122	9.31	74111	12.07
SB-MW-14	177611	5.78	151837	9.31	73736	12.07
R1MW-04	176106	5.78	150448	9.31	74466	12.07
R1MW-02	180768	5.78	154454	9.31	76375	12.07
BW-01 MS	189708	5.78	165623	9.31	87469	12.07
BW-01 MSD	190624	5.78	167329	9.31	86625	12.07

Area Upper Limit = +100% of internal standard area
Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits

Internal Standard Area and RT Summary
Form 8a
Volatiles

Client	: LaBella Associates, P.C.	**Lab Number**	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	**Project Number**	: 2182207
Instrument ID	: ELAINE	**Analysis Date**	: 07/01/20 17:15
Sample No	: WG1388497-2	**Lab File ID**	: VE200701N01

	Fluorobenzene (IS)		Chlorobenzene-d5		1,4-Dichlorobenzene-D4	
	Area	RT	Area	RT	Area	RT
WG1388497-2	144276	5.49	121890	8.50	61045	9.99
Upper Limit	288552	5.99	243780	9.00	122090	10.49
Lower Limit	72138	4.99	60945	8.00	30523	9.49
Sample ID						
WG1388497-3 LCS	144276	5.49	121890	8.50	61045	9.99
WG1388497-4 LCSD	159136	5.49	108236	8.50	59939	9.99
WG1388497-5 BLANK	154409	5.49	115310	8.50	56152	9.99
R1MW-19S	152450	5.49	112720	8.50	54835	9.99
SB-MW-16	153696	5.49	113153	8.50	53438	9.99
QA/QC	153179	5.49	113083	8.50	54016	9.99

Area Upper Limit = +100% of internal standard area
Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits

Internal Standard Area and RT Summary
Form 8a
Volatiles

Client	: LaBella Associates, P.C.	**Lab Number**	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	**Project Number**	: 2182207
Instrument ID	: VOA108	**Analysis Date**	: 07/02/20 06:58
Sample No	: WG1388512-2	**Lab File ID**	: V08200702A01

	Fluorobenzene (IS)		Chlorobenzene-d5		1,4-Dichlorobenzene-D4	
	Area	RT	Area	RT	Area	RT
WG1388512-2	204273	5.40	143225	8.43	66393	9.92
Upper Limit	408546	5.90	286450	8.93	132786	10.42
Lower Limit	102137	4.90	71613	7.93	33197	9.42
Sample ID						
WG1388512-3 LCS	204273	5.40	143225	8.43	66393	9.92
WG1388512-4 LCSD	207350	5.40	149645	8.43	70576	9.92
WG1388512-5 BLANK	203914	5.40	143200	8.43	62616	9.93
SB-MW-07 (6-29-2020)	196615	5.40	139750	8.43	61849	9.93
SB-MW-15 (6-29-2020)	204980	5.40	145663	8.43	65824	9.92
RMW-16	202962	5.40	139976	8.43	61880	9.92

Area Upper Limit = +100% of internal standard area
Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits

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Volatile Organics - EPA 8260C (WATER)

Holding Time: 14 days
Container / Sample Preservation: 3 - Vial HCl preserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Methylene chloride	75-09-2	3	0.678	ug/l	70-130	20	70-130	20	20			
1,1-Dichloroethane	75-34-3	0.75	0.210	ug/l	70-130	20	70-130	20	20			
Chloroform	67-66-3	0.75	0.222	ug/l	70-130	20	70-130	20	20			
Carbon tetrachloride	56-23-5	0.5	0.134	ug/l	63-132	20	63-132	20	20			
1,2-Dichloropropane	78-87-5	1.75	0.137	ug/l	70-130	20	70-130	20	20			
Dibromochloromethane	124-48-1	0.5	0.149	ug/l	63-130	20	63-130	20	20			
1,1,2-Trichloroethane	79-00-5	0.75	0.144	ug/l	70-130	20	70-130	20	20			
Tetrachloroethene	127-18-4	0.5	0.181	ug/l	70-130	20	70-130	20	20			
Chlorobenzene	108-90-7	0.5	0.178	ug/l	75-130	25	75-130	25	25			
Trichlorofluoromethane	75-69-4	2.5	0.161	ug/l	62-150	20	62-150	20	20			
1,2-Dichloroethane	107-06-2	0.5	0.132	ug/l	70-130	20	70-130	20	20			
1,1,1-Trichloroethane	71-55-6	0.5	0.158	ug/l	67-130	20	67-130	20	20			
Bromodichloromethane	75-27-4	0.5	0.192	ug/l	67-130	20	67-130	20	20			
trans-1,3-Dichloropropene	10061-02-6	0.5	0.164	ug/l	70-130	20	70-130	20	20			
cis-1,3-Dichloropropene	10061-01-5	0.5	0.144	ug/l	70-130	20	70-130	20	20			
1,3-Dichloropropene, Total	542-75-6	0.5	0.144	ug/l				20	20			
1,3-Dichloropropene, Total	542-75-6	0.5	0.144	ug/l				20	20			
1,1-Dichloropropene	563-58-6	2.5	0.240	ug/l	70-130	20	70-130	20	20			
Bromoform	75-25-2	2	0.248	ug/l	54-136	20	54-136	20	20			
1,1,2,2-Tetrachloroethane	79-34-5	0.5	0.167	ug/l	67-130	20	67-130	20	20			
Benzene	71-43-2	0.5	0.159	ug/l	70-130	25	70-130	25	25			
Toluene	108-88-3	0.75	0.203	ug/l	70-130	25	70-130	25	25			
Ethylbenzene	100-41-4	0.5	0.167	ug/l	70-130	20	70-130	20	20			
Chloromethane	74-87-3	2.5	0.200	ug/l	64-130	20	64-130	20	20			
Bromomethane	74-83-9	1	0.256	ug/l	39-139	20	39-139	20	20			
Vinyl chloride	75-01-4	1	0.0714	ug/l	55-140	20	55-140	20	20			
Chloroethane	75-00-3	1	0.134	ug/l	55-138	20	55-138	20	20			
1,1-Dichloroethene	75-35-4	0.5	0.169	ug/l	61-145	25	61-145	25	25			
trans-1,2-Dichloroethene	156-60-5	0.75	0.163	ug/l	70-130	20	70-130	20	20			
1,2-Dichloroethene (total)	540-59-0	0.5	0.163	ug/l				20	20			
1,2-Dichloroethene (total)	540-59-0	0.5	0.163	ug/l				20	20			
Trichloroethene	79-01-6	0.5	0.175	ug/l	70-130	25	70-130	25	25			
1,2-Dichlorobenzene	95-50-1	2.5	0.184	ug/l	70-130	20	70-130	20	20			
1,3-Dichlorobenzene	541-73-1	2.5	0.186	ug/l	70-130	20	70-130	20	20			
1,4-Dichlorobenzene	106-46-7	2.5	0.187	ug/l	70-130	20	70-130	20	20			
Methyl tert butyl ether	1634-04-4	1	0.166	ug/l	63-130	20	63-130	20	20			
p/m-Xylene	179601-23-1	1	0.332	ug/l	70-130	20	70-130	20	20			
o-Xylene	95-47-6	1	0.392	ug/l	70-130	20	70-130	20	20			
Xylene (Total)	1330-20-7	1	0.330	ug/l				20	20			
Xylene (Total)	1330-20-7	1	0.330	ug/l				20	20			
cis-1,2-Dichloroethene	156-59-2	0.5	0.187	ug/l	70-130	20	70-130	20	20			
Dibromomethane	74-95-3	5	0.363	ug/l	70-130	20	70-130	20	20			

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. ***(Soil/Solids only)***
Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.

Volatile Organics - EPA 8260C (WATER)

Holding Time: 14 days
Container / Sample Preservation: 3 - Vial HCl preserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
1,4-Dichlorobutane	110-56-5	5	0.464	ug/l	70-130	20	70-130	20	20			
1,2,3-Trichloropropane	96-18-4	5	0.176	ug/l	64-130	20	64-130	20	20			
Styrene	100-42-5	1	0.359	ug/l	70-130	20	70-130	20	20			
Dichlorodifluoromethane	75-71-8	5	0.244	ug/l	36-147	20	36-147	20	20			
Acetone	67-64-1	5	1.46	ug/l	58-148	20	58-148	20	20			
Carbon disulfide	75-15-0	5	0.299	ug/l	51-130	20	51-130	20	20			
2-Butanone	78-93-3	5	1.94	ug/l	63-138	20	63-138	20	20			
Vinyl acetate	108-05-4	5	0.311	ug/l	70-130	20	70-130	20	20			
4-Methyl-2-pentanone	108-10-1	5	0.416	ug/l	59-130	20	59-130	20	20			
2-Hexanone	591-78-6	5	0.515	ug/l	57-130	20	57-130	20	20			
Ethyl methacrylate	97-63-2	5	0.606	ug/l	70-130	20	70-130	20	20			
Acrylonitrile	107-13-1	5	0.430	ug/l	70-130	20	70-130	20	20			
Bromochloromethane	74-97-5	2.5	0.152	ug/l	70-130	20	70-130	20	20			
Tetrahydrofuran	109-99-9	5	0.525	ug/l	58-130	20	58-130	20	20			
2,2-Dichloropropane	594-20-7	2.5	0.204	ug/l	63-133	20	63-133	20	20			
1,2-Dibromoethane	106-93-4	2	0.193	ug/l	70-130	20	70-130	20	20			
1,3-Dichloropropane	142-28-9	2.5	0.212	ug/l	70-130	20	70-130	20	20			
1,1,1,2-Tetrachloroethane	630-20-6	0.5	0.164	ug/l	64-130	20	64-130	20	20			
Bromobenzene	108-86-1	2.5	0.152	ug/l	70-130	20	70-130	20	20			
n-Butylbenzene	104-51-8	0.5	0.192	ug/l	53-136	20	53-136	20	20			
sec-Butylbenzene	135-98-8	0.5	0.181	ug/l	70-130	20	70-130	20	20			
tert-Butylbenzene	98-06-6	2.5	0.196	ug/l	70-130	20	70-130	20	20			
o-Chlorotoluene	95-49-8	2.5	0.215	ug/l	70-130	20	70-130	20	20			
p-Chlorotoluene	106-43-4	2.5	0.185	ug/l	70-130	20	70-130	20	20			
1,2-Dibromo-3-chloropropane	96-12-8	2.5	0.353	ug/l	41-144	20	41-144	20	20			
Hexachlorobutadiene	87-68-3	0.5	0.217	ug/l	63-130	20	63-130	20	20			
Isopropylbenzene	98-82-8	0.5	0.187	ug/l	70-130	20	70-130	20	20			
p-Isopropyltoluene	99-87-6	0.5	0.188	ug/l	70-130	20	70-130	20	20			
Naphthalene	91-20-3	2.5	0.216	ug/l	70-130	20	70-130	20	20			
n-Propylbenzene	103-65-1	0.5	0.173	ug/l	69-130	20	69-130	20	20			
1,2,3-Trichlorobenzene	87-61-6	2.5	0.234	ug/l	70-130	20	70-130	20	20			
1,2,4-Trichlorobenzene	120-82-1	2.5	0.220	ug/l	70-130	20	70-130	20	20			
1,3,5-Trimethylbenzene	108-67-8	2.5	0.217	ug/l	64-130	20	64-130	20	20			
1,3,5-Trichlorobenzene	108-70-3	2	0.141	ug/l	70-130	20	70-130	20	20			
1,2,4-Trimethylbenzene	95-63-6	2.5	0.191	ug/l	70-130	20	70-130	20	20			
trans-1,4-Dichloro-2-butene	110-57-6	2.5	0.213	ug/l	70-130	20	70-130	20	20			
Ethyl ether	60-29-7	2.5	0.163	ug/l	59-134	20	59-134	20	20			
Methyl Acetate	79-20-9	10	0.234	ug/l	70-130	20	70-130	20	20			
Ethyl Acetate	141-78-6	10	0.716	ug/l	70-130	20	70-130	20	20			
Isopropyl Ether	108-20-3	2	0.425	ug/l	70-130	20	70-130	20	20			
Cyclohexane	110-82-7	10	0.271	ug/l	70-130	20	70-130	20	20			
Ethyl-Tert-Butyl-Ether	637-92-3	2	0.179	ug/l	70-130	20	70-130	20	20			

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Volatile Organics - EPA 8260C (WATER)

Holding Time: 14 days
Container / Sample Preservation: 3 - Vial HCl preserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Tertiary-Amyl Methyl Ether	994-05-8	2	0.278	ug/l	66-130	20	66-130	20	20			
1,4-Dioxane	123-91-1	250	60.8	ug/l	56-162	20	56-162	20	20			
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	10	0.148	ug/l	70-130	20	70-130	20	20			
Methyl cyclohexane	108-87-2	10	0.396	ug/l	70-130	20	70-130	20	20			
1,4-Diethylbenzene	105-05-5	2	0.392	ug/l	70-130	20	70-130	20	20			
4-Ethyltoluene	622-96-8	2	0.340	ug/l	70-130	20	70-130	20	20			
1,2,4,5-Tetramethylbenzene	95-93-2	2	0.542	ug/l	70-130	20	70-130	20	20			
1,2-Dichloroethane-d4	*17060-07-0*									*70-130*		
Toluene-d8	*2037-26-5*									*70-130*		
4-Bromofluorobenzene	*460-00-4*									*70-130*		
Dibromofluoromethane	*1868-53-7*									*70-130*		

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. ***(Soil/Solids only)***
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Volatile Organics - EPA 8260C (SOIL-LOW)

Holding Time: 14 days
Container / Sample Preservation: 1 - Vial Large Septa unpreserved (4oz)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Methylene chloride	75-09-2	5	2.29	ug/kg	70-130	30	70-130	30	30			
1,1-Dichloroethane	75-34-3	1	0.145	ug/kg	70-130	30	70-130	30	30			
Chloroform	67-66-3	1.5	0.140	ug/kg	70-130	30	70-130	30	30			
Carbon tetrachloride	56-23-5	1	0.230	ug/kg	70-130	30	70-130	30	30			
1,2-Dichloropropane	78-87-5	1	0.125	ug/kg	70-130	30	70-130	30	30			
Dibromochloromethane	124-48-1	1	0.140	ug/kg	70-130	30	70-130	30	30			
1,1,2-Trichloroethane	79-00-5	1	0.267	ug/kg	70-130	30	70-130	30	30			
Tetrachloroethene	127-18-4	0.5	0.196	ug/kg	70-130	30	70-130	30	30			
Chlorobenzene	108-90-7	0.5	0.127	ug/kg	70-130	30	70-130	30	30			
Trichlorofluoromethane	75-69-4	4	0.695	ug/kg	70-139	30	70-139	30	30			
1,2-Dichloroethane	107-06-2	1	0.257	ug/kg	70-130	30	70-130	30	30			
1,1,1-Trichloroethane	71-55-6	0.5	0.167	ug/kg	70-130	30	70-130	30	30			
Bromodichloromethane	75-27-4	0.5	0.109	ug/kg	70-130	30	70-130	30	30			
trans-1,3-Dichloropropene	10061-02-6	1	0.273	ug/kg	70-130	30	70-130	30	30			
cis-1,3-Dichloropropene	10061-01-5	0.5	0.158	ug/kg	70-130	30	70-130	30	30			
1,3-Dichloropropene, Total	542-75-6	0.5	0.158	ug/kg				30	30			
1,3-Dichloropropene, Total	542-75-6	0.5	0.158	ug/kg				30	30			
1,1-Dichloropropene	563-58-6	0.5	0.159	ug/kg	70-130	30	70-130	30	30			
Bromoform	75-25-2	4	0.246	ug/kg	70-130	30	70-130	30	30			
1,1,2,2-Tetrachloroethane	79-34-5	0.5	0.166	ug/kg	70-130	30	70-130	30	30			
Benzene	71-43-2	0.5	0.166	ug/kg	70-130	30	70-130	30	30			
Toluene	108-88-3	1	0.543	ug/kg	70-130	30	70-130	30	30			
Ethylbenzene	100-41-4	1	0.141	ug/kg	70-130	30	70-130	30	30			
Chloromethane	74-87-3	4	0.932	ug/kg	52-130	30	52-130	30	30			
Bromomethane	74-83-9	2	0.581	ug/kg	57-147	30	57-147	30	30			
Vinyl chloride	75-01-4	1	0.335	ug/kg	67-130	30	67-130	30	30			
Chloroethane	75-00-3	2	0.452	ug/kg	50-151	30	50-151	30	30			
1,1-Dichloroethene	75-35-4	1	0.238	ug/kg	65-135	30	65-135	30	30			
trans-1,2-Dichloroethene	156-60-5	1.5	0.137	ug/kg	70-130	30	70-130	30	30			
Trichloroethene	79-01-6	0.5	0.137	ug/kg	70-130	30	70-130	30	30			
1,2-Dichlorobenzene	95-50-1	2	0.144	ug/kg	70-130	30	70-130	30	30			
1,3-Dichlorobenzene	541-73-1	2	0.148	ug/kg	70-130	30	70-130	30	30			
1,4-Dichlorobenzene	106-46-7	2	0.171	ug/kg	70-130	30	70-130	30	30			
Methyl tert butyl ether	1634-04-4	2	0.201	ug/kg	66-130	30	66-130	30	30			
p/m-Xylene	179601-23-1	2	0.560	ug/kg	70-130	30	70-130	30	30			
o-Xylene	95-47-6	1	0.291	ug/kg	70-130	30	70-130	30	30			
Xylene (Total)	1330-20-7	1	0.291	ug/kg				30	30			
Xylene (Total)	1330-20-7	1	0.291	ug/kg				30	30			
cis-1,2-Dichloroethene	156-59-2	1	0.175	ug/kg	70-130	30	70-130	30	30			
1,2-Dichloroethene (total)	540-59-0	1	0.137	ug/kg				30	30			
1,2-Dichloroethene (total)	540-59-0	1	0.137	ug/kg				30	30			
Dibromomethane	74-95-3	2	0.238	ug/kg	70-130	30	70-130	30	30			

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Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.

Volatile Organics - EPA 8260C (SOIL-LOW)

Holding Time: 14 days
Container / Sample Preservation: 1 - Vial Large Septa unpreserved (4oz)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
1,4-Dichlorobutane	110-56-5	10	0.226	ug/kg	70-130	30	70-130	30	30			
1,2,3-Trichloropropane	96-18-4	2	0.127	ug/kg	68-130	30	68-130	30	30			
Styrene	100-42-5	1	0.196	ug/kg	70-130	30	70-130	30	30			
Dichlorodifluoromethane	75-71-8	10	0.915	ug/kg	30-146	30	30-146	30	30			
Acetone	67-64-1	10	4.81	ug/kg	54-140	30	54-140	30	30			
Carbon disulfide	75-15-0	10	4.55	ug/kg	59-130	30	59-130	30	30			
2-Butanone	78-93-3	10	2.22	ug/kg	70-130	30	70-130	30	30			
Vinyl acetate	108-05-4	10	2.15	ug/kg	70-130	30	70-130	30	30			
4-Methyl-2-pentanone	108-10-1	10	1.28	ug/kg	70-130	30	70-130	30	30			
2-Hexanone	591-78-6	10	1.18	ug/kg	70-130	30	70-130	30	30			
Ethyl methacrylate	97-63-2	10	1.58	ug/kg	70-130	30	70-130	30	30			
Acrylonitrile	107-13-1	4	1.15	ug/kg	70-130	30	70-130	30	30			
Bromochloromethane	74-97-5	2	0.205	ug/kg	70-130	30	70-130	30	30			
Tetrahydrofuran	109-99-9	4	1.59	ug/kg	66-130	30	66-130	30	30			
2,2-Dichloropropane	594-20-7	2	0.202	ug/kg	70-130	30	70-130	30	30			
1,2-Dibromoethane	106-93-4	1	0.279	ug/kg	70-130	30	70-130	30	30			
1,3-Dichloropropane	142-28-9	2	0.167	ug/kg	69-130	30	69-130	30	30			
1,1,1,2-Tetrachloroethane	630-20-6	0.5	0.132	ug/kg	70-130	30	70-130	30	30			
Bromobenzene	108-86-1	2	0.145	ug/kg	70-130	30	70-130	30	30			
n-Butylbenzene	104-51-8	1	0.167	ug/kg	70-130	30	70-130	30	30			
sec-Butylbenzene	135-98-8	1	0.146	ug/kg	70-130	30	70-130	30	30			
tert-Butylbenzene	98-06-6	2	0.118	ug/kg	70-130	30	70-130	30	30			
1,3,5-Trichlorobenzene	108-70-3	2	0.173	ug/kg	70-139	30	70-130	30	30			
o-Chlorotoluene	95-49-8	2	0.191	ug/kg	70-130	30	70-130	30	30			
p-Chlorotoluene	106-43-4	2	0.108	ug/kg	70-130	30	70-130	30	30			
1,2-Dibromo-3-chloropropane	96-12-8	3	0.998	ug/kg	68-130	30	68-130	30	30			
Hexachlorobutadiene	87-68-3	4	0.169	ug/kg	67-130	30	67-130	30	30			
Isopropylbenzene	98-82-8	1	0.109	ug/kg	70-130	30	70-130	30	30			
p-Isopropyltoluene	99-87-6	1	0.109	ug/kg	70-130	30	70-130	30	30			
Naphthalene	91-20-3	4	0.650	ug/kg	70-130	30	70-130	30	30			
n-Propylbenzene	103-65-1	1	0.171	ug/kg	70-130	30	70-130	30	30			
1,2,3-Trichlorobenzene	87-61-6	2	0.322	ug/kg	70-130	30	70-130	30	30			
1,2,4-Trichlorobenzene	120-82-1	2	0.272	ug/kg	70-130	30	70-130	30	30			
1,3,5-Trimethylbenzene	108-67-8	2	0.193	ug/kg	70-130	30	70-130	30	30			
1,2,4-Trimethylbenzene	95-63-6	2	0.334	ug/kg	70-130	30	70-130	30	30			
trans-1,4-Dichloro-2-butene	110-57-6	5	1.42	ug/kg	70-130	30	70-130	30	30			
iso-Propyl Alcohol	67-63-0	100	100	ug/kg	70-130	20	70-130	20	20			
Ethyl ether	60-29-7	2	0.341	ug/kg	67-130	30	67-130	30	30			
Methyl Acetate	79-20-9	4	0.950	ug/kg	65-130	30	65-130	30	30			
Ethyl Acetate	141-78-6	10	1.21	ug/kg	70-130	30	70-130	30	30			
Isopropyl Ether	108-20-3	2	0.213	ug/kg	66-130	30	66-130	30	30			
Cyclohexane	110-82-7	10	0.544	ug/kg	70-130	30	70-130	30	30			

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.

Volatile Organics - EPA 8260C (SOIL-LOW)

Holding Time: 14 days
Container/Sample Preservation: 1 - Vial Large Septa unpreserved (4oz)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Ethyl-Tert-Butyl-Ether	637-92-3	2	0.128	ug/kg	70-130	30	70-130	30	30			
Tertiary-Amyl Methyl Ether	994-05-8	2	0.176	ug/kg	70-130	30	70-130	30	30			
1,4-Dioxane	123-91-1	100	35.1	ug/kg	65-136	30	65-136	30	30			
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	4	0.693	ug/kg	70-130	30	70-130	30	30			
1,2-Dichloroethane-d4	*17060-07-0*									*70-130*		
Toluene-d8	*2037-26-5*									*70-130*		
4-Bromofluorobenzene	*460-00-4*									*70-130*		
Dibromofluoromethane	*1868-53-7*									*70-130*		

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.

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Volatile Organics - EPA 8260C (SOIL-HIGH)

Holding Time: 14 days
Container / Sample Preservation: 1 - Vial Large Septa unpreserved (4oz)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Methylene chloride	75-09-2	250	115	ug/kg	70-130	30	70-130	30	30			
1,1-Dichloroethane	75-34-3	50	7.25	ug/kg	70-130	30	70-130	30	30			
Chloroform	67-66-3	75	7.00	ug/kg	70-130	30	70-130	30	30			
Carbon tetrachloride	56-23-5	50	11.5	ug/kg	70-130	30	70-130	30	30			
1,2-Dichloropropane	78-87-5	50	6.25	ug/kg	70-130	30	70-130	30	30			
Dibromochloromethane	124-48-1	50	7.00	ug/kg	70-130	30	70-130	30	30			
1,1,2-Trichloroethane	79-00-5	50	13.4	ug/kg	70-130	30	70-130	30	30			
Tetrachloroethene	127-18-4	25	9.80	ug/kg	70-130	30	70-130	30	30			
Chlorobenzene	108-90-7	25	6.35	ug/kg	70-130	30	70-130	30	30			
Trichlorofluoromethane	75-69-4	200	34.8	ug/kg	70-139	30	70-139	30	30			
1,2-Dichloroethane	107-06-2	50	12.9	ug/kg	70-130	30	70-130	30	30			
1,1,1-Trichloroethane	71-55-6	25	8.35	ug/kg	70-130	30	70-130	30	30			
Bromodichloromethane	75-27-4	25	5.45	ug/kg	70-130	30	70-130	30	30			
trans-1,3-Dichloropropene	10061-02-6	50	13.7	ug/kg	70-130	30	70-130	30	30			
cis-1,3-Dichloropropene	10061-01-5	25	7.90	ug/kg	70-130	30	70-130	30	30			
1,3-Dichloropropene, Total	542-75-6	25	7.90	ug/kg				30	30			
1,3-Dichloropropene, Total	542-75-6	25	7.90	ug/kg				30	30			
1,1-Dichloropropene	563-58-6	25	7.95	ug/kg	70-130	30	70-130	30	30			
Bromoform	75-25-2	200	12.3	ug/kg	70-130	30	70-130	30	30			
1,1,2,2-Tetrachloroethane	79-34-5	25	8.30	ug/kg	70-130	30	70-130	30	30			
Benzene	71-43-2	25	8.30	ug/kg	70-130	30	70-130	30	30			
Toluene	108-88-3	50	27.2	ug/kg	70-130	30	70-130	30	30			
Ethylbenzene	100-41-4	50	7.05	ug/kg	70-130	30	70-130	30	30			
Chloromethane	74-87-3	200	46.6	ug/kg	52-130	30	52-130	30	30			
Bromomethane	74-83-9	100	29.1	ug/kg	57-147	30	57-147	30	30			
Vinyl chloride	75-01-4	50	16.8	ug/kg	67-130	30	67-130	30	30			
Chloroethane	75-00-3	100	22.6	ug/kg	50-151	30	50-151	30	30			
1,1-Dichloroethene	75-35-4	50	11.9	ug/kg	65-135	30	65-135	30	30			
trans-1,2-Dichloroethene	156-60-5	75	6.85	ug/kg	70-130	30	70-130	30	30			
Trichloroethene	79-01-6	25	6.85	ug/kg	70-130	30	70-130	30	30			
1,2-Dichlorobenzene	95-50-1	100	7.20	ug/kg	70-130	30	70-130	30	30			
1,3-Dichlorobenzene	541-73-1	100	7.40	ug/kg	70-130	30	70-130	30	30			
1,4-Dichlorobenzene	106-46-7	100	8.55	ug/kg	70-130	30	70-130	30	30			
Methyl tert butyl ether	1634-04-4	100	10.1	ug/kg	66-130	30	66-130	30	30			
p/m-Xylene	179601-23-1	100	28.0	ug/kg	70-130	30	70-130	30	30			
o-Xylene	95-47-6	50	14.6	ug/kg	70-130	30	70-130	30	30			
Xylene (Total)	1330-20-7	50	14.6	ug/kg				30	30			
Xylene (Total)	1330-20-7	50	14.6	ug/kg				30	30			
cis-1,2-Dichloroethene	156-59-2	50	8.75	ug/kg	70-130	30	70-130	30	30			
1,2-Dichloroethene (total)	540-59-0	50	6.85	ug/kg				30	30			
1,2-Dichloroethene (total)	540-59-0	50	6.85	ug/kg				30	30			
Dibromomethane	74-95-3	100	11.9	ug/kg	70-130	30	70-130	30	30			

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.

Volatile Organics - EPA 8260C (SOIL-HIGH)

Holding Time: 14 days
Container / Sample Preservation: 1 - Vial Large Septa unpreserved (4oz)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
1,4-Dichlorobutane	110-56-5	500	11.3	ug/kg	70-130	30	70-130	30	30			
1,2,3-Trichloropropane	96-18-4	100	6.35	ug/kg	68-130	30	68-130	30	30			
Styrene	100-42-5	50	9.80	ug/kg	70-130	30	70-130	30	30			
Dichlorodifluoromethane	75-71-8	500	45.8	ug/kg	30-146	30	30-146	30	30			
Acetone	67-64-1	500	241	ug/kg	54-140	30	54-140	30	30			
Carbon disulfide	75-15-0	500	228	ug/kg	59-130	30	59-130	30	30			
2-Butanone	78-93-3	500	111	ug/kg	70-130	30	70-130	30	30			
Vinyl acetate	108-05-4	500	108	ug/kg	70-130	30	70-130	30	30			
4-Methyl-2-pentanone	108-10-1	500	64.0	ug/kg	70-130	30	70-130	30	30			
2-Hexanone	591-78-6	500	59.0	ug/kg	70-130	30	70-130	30	30			
Ethyl methacrylate	97-63-2	500	79.0	ug/kg	70-130	30	70-130	30	30			
Acrylonitrile	107-13-1	200	57.5	ug/kg	70-130	30	70-130	30	30			
Bromochloromethane	74-97-5	100	10.3	ug/kg	70-130	30	70-130	30	30			
Tetrahydrofuran	109-99-9	200	79.5	ug/kg	66-130	30	66-130	30	30			
2,2-Dichloropropane	594-20-7	100	10.1	ug/kg	70-130	30	70-130	30	30			
1,2-Dibromoethane	106-93-4	50	14.0	ug/kg	70-130	30	70-130	30	30			
1,3-Dichloropropane	142-28-9	100	8.35	ug/kg	69-130	30	69-130	30	30			
1,1,1,2-Tetrachloroethane	630-20-6	25	6.60	ug/kg	70-130	30	70-130	30	30			
Bromobenzene	108-86-1	100	7.25	ug/kg	70-130	30	70-130	30	30			
n-Butylbenzene	104-51-8	50	8.35	ug/kg	70-130	30	70-130	30	30			
sec-Butylbenzene	135-98-8	50	7.30	ug/kg	70-130	30	70-130	30	30			
tert-Butylbenzene	98-06-6	100	5.90	ug/kg	70-130	30	70-130	30	30			
1,3,5-Trichlorobenzene	108-70-3	100	8.65	ug/kg	70-139	30	70-130	30	30			
o-Chlorotoluene	95-49-8	100	9.55	ug/kg	70-130	30	70-130	30	30			
p-Chlorotoluene	106-43-4	100	5.40	ug/kg	70-130	30	70-130	30	30			
1,2-Dibromo-3-chloropropane	96-12-8	150	49.9	ug/kg	68-130	30	68-130	30	30			
Hexachlorobutadiene	87-68-3	200	8.45	ug/kg	67-130	30	67-130	30	30			
Isopropylbenzene	98-82-8	50	5.45	ug/kg	70-130	30	70-130	30	30			
p-Isopropyltoluene	99-87-6	50	5.45	ug/kg	70-130	30	70-130	30	30			
Naphthalene	91-20-3	200	32.5	ug/kg	70-130	30	70-130	30	30			
n-Propylbenzene	103-65-1	50	8.55	ug/kg	70-130	30	70-130	30	30			
1,2,3-Trichlorobenzene	87-61-6	100	16.1	ug/kg	70-130	30	70-130	30	30			
1,2,4-Trichlorobenzene	120-82-1	100	13.6	ug/kg	70-130	30	70-130	30	30			
1,3,5-Trimethylbenzene	108-67-8	100	9.65	ug/kg	70-130	30	70-130	30	30			
1,2,4-Trimethylbenzene	95-63-6	100	16.7	ug/kg	70-130	30	70-130	30	30			
trans-1,4-Dichloro-2-butene	110-57-6	250	71.0	ug/kg	70-130	30	70-130	30	30			
iso-Propyl Alcohol	67-63-0	5000	5000	ug/kg	70-130	20	70-130	20	20			
Ethyl ether	60-29-7	100	17.1	ug/kg	67-130	30	67-130	30	30			
Methyl Acetate	79-20-9	200	47.5	ug/kg	65-130	30	65-130	30	30			
Ethyl Acetate	141-78-6	500	60.5	ug/kg	70-130	30	70-130	30	30			
Isopropyl Ether	108-20-3	100	10.7	ug/kg	66-130	30	66-130	30	30			
Cyclohexane	110-82-7	500	27.2	ug/kg	70-130	30	70-130	30	30			

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.

Volatile Organics - EPA 8260C (SOIL-HIGH)

Holding Time: 14 days
Container / Sample Preservation: 1 - Vial Large Septa unpreserved (4oz)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Ethyl-Tert-Butyl-Ether	637-92-3	100	6.40	ug/kg	70-130	30	70-130	30	30			
Tertiary-Amyl Methyl Ether	994-05-8	100	8.80	ug/kg	70-130	30	70-130	30	30			
1,4-Dioxane	123-91-1	5000	1755	ug/kg	65-136	30	65-136	30	30			
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	200	34.7	ug/kg	70-130	30	70-130	30	30			
1,2-Dichloroethane-d4	*17060-07-0*									*70-130*		
Toluene-d8	*2037-26-5*									*70-130*		
4-Bromofluorobenzene	*460-00-4*									*70-130*		
Dibromofluoromethane	*1868-53-7*									*70-130*		

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.

Volatiles Sample Data

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	**Lab Number**	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	**Project Number**	: 2182207
Lab ID	: L2027694-01D	**Date Collected**	: 06/29/20 13:00
Client ID	: SB-MW-07 (6-29-2020)	**Date Received**	: 06/30/20
Sample Location	: ROCHESTER, NY	**Date Analyzed**	: 07/02/20 08:48
Sample Matrix	: WATER	**Dilution Factor**	: 50
Analytical Method	: 1,8260C	**Analyst**	: PD
Lab File ID	: V08200702A06	**Instrument ID**	: VOA108
Sample Amount	: 0.2 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	120	35.	U
75-34-3	1,1-Dichloroethane	ND	120	35.	U
67-66-3	Chloroform	ND	120	35.	U
56-23-5	Carbon tetrachloride	ND	25	6.7	U
78-87-5	1,2-Dichloropropane	ND	50	6.8	U
124-48-1	Dibromochloromethane	ND	25	7.4	U
79-00-5	1,1,2-Trichloroethane	ND	75	25.	U
127-18-4	Tetrachloroethene	16	25	9.0	J
108-90-7	Chlorobenzene	ND	120	35.	U
75-69-4	Trichlorofluoromethane	ND	120	35.	U
107-06-2	1,2-Dichloroethane	ND	25	6.6	U
71-55-6	1,1,1-Trichloroethane	ND	120	35.	U
75-27-4	Bromodichloromethane	ND	25	9.6	U
10061-02-6	trans-1,3-Dichloropropene	ND	25	8.2	U
10061-01-5	cis-1,3-Dichloropropene	ND	25	7.2	U
75-25-2	Bromoform	ND	100	32.	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	25	8.4	U
71-43-2	Benzene	ND	25	8.0	U
108-88-3	Toluene	ND	120	35.	U
100-41-4	Ethylbenzene	ND	120	35.	U
74-87-3	Chloromethane	ND	120	35.	U
74-83-9	Bromomethane	ND	120	35.	U
75-01-4	Vinyl chloride	ND	50	3.6	U
75-00-3	Chloroethane	ND	120	35.	U
75-35-4	1,1-Dichloroethene	ND	25	8.4	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	**Lab Number**	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	**Project Number**	: 2182207
Lab ID	: L2027694-01D	**Date Collected**	: 06/29/20 13:00
Client ID	: SB-MW-07 (6-29-2020)	**Date Received**	: 06/30/20
Sample Location	: ROCHESTER, NY	**Date Analyzed**	: 07/02/20 08:48
Sample Matrix	: WATER	**Dilution Factor**	: 50
Analytical Method	: 1,8260C	**Analyst**	: PD
Lab File ID	: V08200702A06	**Instrument ID**	: VOA108
Sample Amount	: 0.2 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
156-60-5	trans-1,2-Dichloroethene	ND	120	35.	U
79-01-6	Trichloroethene	4300	25	8.8	
95-50-1	1,2-Dichlorobenzene	ND	120	35.	U
541-73-1	1,3-Dichlorobenzene	ND	120	35.	U
106-46-7	1,4-Dichlorobenzene	ND	120	35.	U
1634-04-4	Methyl tert butyl ether	ND	120	35.	U
179601-23-1	p/m-Xylene	ND	120	35.	U
95-47-6	o-Xylene	ND	120	35.	U
156-59-2	cis-1,2-Dichloroethene	ND	120	35.	U
100-42-5	Styrene	ND	120	35.	U
75-71-8	Dichlorodifluoromethane	ND	250	50.	U
67-64-1	Acetone	ND	250	73.	U
75-15-0	Carbon disulfide	ND	250	50.	U
78-93-3	2-Butanone	ND	250	97.	U
108-10-1	4-Methyl-2-pentanone	ND	250	50.	U
591-78-6	2-Hexanone	ND	250	50.	U
74-97-5	Bromochloromethane	ND	120	35.	U
106-93-4	1,2-Dibromoethane	ND	100	32.	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	120	35.	U
98-82-8	Isopropylbenzene	ND	120	35.	U
87-61-6	1,2,3-Trichlorobenzene	ND	120	35.	U
120-82-1	1,2,4-Trichlorobenzene	ND	120	35.	U
79-20-9	Methyl Acetate	ND	100	12.	U
110-82-7	Cyclohexane	ND	500	14.	U
123-91-1	1,4-Dioxane	ND	12000	3000	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	**Lab Number**	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	**Project Number**	: 2182207
Lab ID	: L2027694-01D	**Date Collected**	: 06/29/20 13:00
Client ID	: SB-MW-07 (6-29-2020)	**Date Received**	: 06/30/20
Sample Location	: ROCHESTER, NY	**Date Analyzed**	: 07/02/20 08:48
Sample Matrix	: WATER	**Dilution Factor**	: 50
Analytical Method	: 1,8260C	**Analyst**	: PD
Lab File ID	: V08200702A06	**Instrument ID**	: VOA108
Sample Amount	: 0.2 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	120	35.	U
108-87-2	Methyl cyclohexane	ND	500	20.	U

Tentatively Identified Compounds
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	**Lab Number**	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	**Project Number**	: 2182207
Lab ID	: L2027694-01D	**Date Collected**	: 06/29/20 13:00
Client ID	: SB-MW-07 (6-29-2020)	**Date Received**	: 06/30/20
Sample Location	: ROCHESTER, NY	**Date Analyzed**	: 07/02/20 08:48
Sample Matrix	: WATER	**Dilution Factor**	: 50
Analytical Method	: 1,8260C	**Analyst**	: PD
Lab File ID	: V08200702A06	**Instrument ID**	: VOA108
Sample Amount	: 0.2 ml	**GC Column**	: RTX-502.2
Level	:	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

Number TICS found: 0 **Concentration Units: ug/L**

CAS Number	Compound Name	RT	EST. CONC.	Qualifier
	NO TENTATIVELY IDENTIFIED COMPOUNDS			

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	**Lab Number**	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	**Project Number**	: 2182207
Lab ID	: L2027694-02D	**Date Collected**	: 06/29/20 14:30
Client ID	: SB-MW-15 (6-29-2020)	**Date Received**	: 06/30/20
Sample Location	: ROCHESTER, NY	**Date Analyzed**	: 07/02/20 09:13
Sample Matrix	: WATER	**Dilution Factor**	: 40
Analytical Method	: 1,8260C	**Analyst**	: PD
Lab File ID	: V08200702A07	**Instrument ID**	: VOA108
Sample Amount	: 0.25 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	100	28.	U
75-34-3	1,1-Dichloroethane	ND	100	28.	U
67-66-3	Chloroform	ND	100	28.	U
56-23-5	Carbon tetrachloride	ND	20	5.4	U
78-87-5	1,2-Dichloropropane	ND	40	5.5	U
124-48-1	Dibromochloromethane	ND	20	6.0	U
79-00-5	1,1,2-Trichloroethane	ND	60	20.	U
127-18-4	Tetrachloroethene	12	20	7.2	J
108-90-7	Chlorobenzene	ND	100	28.	U
75-69-4	Trichlorofluoromethane	ND	100	28.	U
107-06-2	1,2-Dichloroethane	ND	20	5.3	U
71-55-6	1,1,1-Trichloroethane	ND	100	28.	U
75-27-4	Bromodichloromethane	ND	20	7.7	U
10061-02-6	trans-1,3-Dichloropropene	ND	20	6.6	U
10061-01-5	cis-1,3-Dichloropropene	ND	20	5.8	U
75-25-2	Bromoform	ND	80	26.	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	20	6.7	U
71-43-2	Benzene	ND	20	6.4	U
108-88-3	Toluene	ND	100	28.	U
100-41-4	Ethylbenzene	ND	100	28.	U
74-87-3	Chloromethane	ND	100	28.	U
74-83-9	Bromomethane	ND	100	28.	U
75-01-4	Vinyl chloride	ND	40	2.8	U
75-00-3	Chloroethane	ND	100	28.	U
75-35-4	1,1-Dichloroethene	ND	20	6.8	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	**Lab Number**	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	**Project Number**	: 2182207
Lab ID	: L2027694-02D	**Date Collected**	: 06/29/20 14:30
Client ID	: SB-MW-15 (6-29-2020)	**Date Received**	: 06/30/20
Sample Location	: ROCHESTER, NY	**Date Analyzed**	: 07/02/20 09:13
Sample Matrix	: WATER	**Dilution Factor**	: 40
Analytical Method	: 1,8260C	**Analyst**	: PD
Lab File ID	: V08200702A07	**Instrument ID**	: VOA108
Sample Amount	: 0.25 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
156-60-5	trans-1,2-Dichloroethene	110	100	28.	
79-01-6	Trichloroethene	5800	20	7.0	
95-50-1	1,2-Dichlorobenzene	ND	100	28.	U
541-73-1	1,3-Dichlorobenzene	ND	100	28.	U
106-46-7	1,4-Dichlorobenzene	ND	100	28.	U
1634-04-4	Methyl tert butyl ether	ND	100	28.	U
179601-23-1	p/m-Xylene	ND	100	28.	U
95-47-6	o-Xylene	ND	100	28.	U
156-59-2	cis-1,2-Dichloroethene	200	100	28.	
100-42-5	Styrene	ND	100	28.	U
75-71-8	Dichlorodifluoromethane	ND	200	40.	U
67-64-1	Acetone	ND	200	58.	U
75-15-0	Carbon disulfide	ND	200	40.	U
78-93-3	2-Butanone	ND	200	78.	U
108-10-1	4-Methyl-2-pentanone	ND	200	40.	U
591-78-6	2-Hexanone	ND	200	40.	U
74-97-5	Bromochloromethane	ND	100	28.	U
106-93-4	1,2-Dibromoethane	ND	80	26.	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	100	28.	U
98-82-8	Isopropylbenzene	ND	100	28.	U
87-61-6	1,2,3-Trichlorobenzene	ND	100	28.	U
120-82-1	1,2,4-Trichlorobenzene	ND	100	28.	U
79-20-9	Methyl Acetate	ND	80	9.4	U
110-82-7	Cyclohexane	ND	400	11.	U
123-91-1	1,4-Dioxane	ND	10000	2400	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	**Lab Number**	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	**Project Number**	: 2182207
Lab ID	: L2027694-02D	**Date Collected**	: 06/29/20 14:30
Client ID	: SB-MW-15 (6-29-2020)	**Date Received**	: 06/30/20
Sample Location	: ROCHESTER, NY	**Date Analyzed**	: 07/02/20 09:13
Sample Matrix	: WATER	**Dilution Factor**	: 40
Analytical Method	: 1,8260C	**Analyst**	: PD
Lab File ID	: V08200702A07	**Instrument ID**	: VOA108
Sample Amount	: 0.25 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	100	28.	U
108-87-2	Methyl cyclohexane	ND	400	16.	U

Tentatively Identified Compounds
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	**Lab Number**	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	**Project Number**	: 2182207
Lab ID	: L2027694-02D	**Date Collected**	: 06/29/20 14:30
Client ID	: SB-MW-15 (6-29-2020)	**Date Received**	: 06/30/20
Sample Location	: ROCHESTER, NY	**Date Analyzed**	: 07/02/20 09:13
Sample Matrix	: WATER	**Dilution Factor**	: 40
Analytical Method	: 1,8260C	**Analyst**	: PD
Lab File ID	: V08200702A07	**Instrument ID**	: VOA108
Sample Amount	: 0.25 ml	**GC Column**	: RTX-502.2
Level	:	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

Number TICS found: 0 **Concentration Units: ug/L**

CAS Number	Compound Name	RT	EST. CONC.	Qualifier
	NO TENTATIVELY IDENTIFIED COMPOUNDS			

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	**Lab Number**	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	**Project Number**	: 2182207
Lab ID	: L2027694-03D	**Date Collected**	: 06/29/20 15:46
Client ID	: BW-03 (6-29-2020)	**Date Received**	: 06/30/20
Sample Location	: ROCHESTER, NY	**Date Analyzed**	: 07/01/20 16:33
Sample Matrix	: WATER	**Dilution Factor**	: 25
Analytical Method	: 1,8260C	**Analyst**	: AJK
Lab File ID	: V22200701A20	**Instrument ID**	: VOA122
Sample Amount	: 0.4 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	62	18.	U
75-34-3	1,1-Dichloroethane	ND	62	18.	U
67-66-3	Chloroform	ND	62	18.	U
56-23-5	Carbon tetrachloride	ND	12	3.4	U
78-87-5	1,2-Dichloropropane	ND	25	3.4	U
124-48-1	Dibromochloromethane	ND	12	3.7	U
79-00-5	1,1,2-Trichloroethane	ND	38	12.	U
127-18-4	Tetrachloroethene	ND	12	4.5	U
108-90-7	Chlorobenzene	ND	62	18.	U
75-69-4	Trichlorofluoromethane	ND	62	18.	U
107-06-2	1,2-Dichloroethane	ND	12	3.3	U
71-55-6	1,1,1-Trichloroethane	ND	62	18.	U
75-27-4	Bromodichloromethane	ND	12	4.8	U
10061-02-6	trans-1,3-Dichloropropene	ND	12	4.1	U
10061-01-5	cis-1,3-Dichloropropene	ND	12	3.6	U
75-25-2	Bromoform	ND	50	16.	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	12	4.2	U
71-43-2	Benzene	ND	12	4.0	U
108-88-3	Toluene	ND	62	18.	U
100-41-4	Ethylbenzene	ND	62	18.	U
74-87-3	Chloromethane	ND	62	18.	U
74-83-9	Bromomethane	ND	62	18.	U
75-01-4	Vinyl chloride	32	25	1.8	
75-00-3	Chloroethane	ND	62	18.	U
75-35-4	1,1-Dichloroethene	10	12	4.2	J

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	**Lab Number**	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	**Project Number**	: 2182207
Lab ID	: L2027694-03D	**Date Collected**	: 06/29/20 15:46
Client ID	: BW-03 (6-29-2020)	**Date Received**	: 06/30/20
Sample Location	: ROCHESTER, NY	**Date Analyzed**	: 07/01/20 16:33
Sample Matrix	: WATER	**Dilution Factor**	: 25
Analytical Method	: 1,8260C	**Analyst**	: AJK
Lab File ID	: V22200701A20	**Instrument ID**	: VOA122
Sample Amount	: 0.4 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
156-60-5	trans-1,2-Dichloroethene	ND	62	18.	U
79-01-6	Trichloroethene	13	12	4.4	
95-50-1	1,2-Dichlorobenzene	ND	62	18.	U
541-73-1	1,3-Dichlorobenzene	ND	62	18.	U
106-46-7	1,4-Dichlorobenzene	ND	62	18.	U
1634-04-4	Methyl tert butyl ether	ND	62	18.	U
179601-23-1	p/m-Xylene	ND	62	18.	U
95-47-6	o-Xylene	ND	62	18.	U
156-59-2	cis-1,2-Dichloroethene	2800	62	18.	
100-42-5	Styrene	ND	62	18.	U
75-71-8	Dichlorodifluoromethane	ND	120	25.	U
67-64-1	Acetone	ND	120	36.	U
75-15-0	Carbon disulfide	ND	120	25.	U
78-93-3	2-Butanone	ND	120	48.	U
108-10-1	4-Methyl-2-pentanone	ND	120	25.	U
591-78-6	2-Hexanone	ND	120	25.	U
74-97-5	Bromochloromethane	ND	62	18.	U
106-93-4	1,2-Dibromoethane	ND	50	16.	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	62	18.	U
98-82-8	Isopropylbenzene	ND	62	18.	U
87-61-6	1,2,3-Trichlorobenzene	ND	62	18.	U
120-82-1	1,2,4-Trichlorobenzene	ND	62	18.	U
79-20-9	Methyl Acetate	ND	50	5.8	U
110-82-7	Cyclohexane	ND	250	6.8	U
123-91-1	1,4-Dioxane	ND	6200	1500	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	**Lab Number**	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	**Project Number**	: 2182207
Lab ID	: L2027694-03D	**Date Collected**	: 06/29/20 15:46
Client ID	: BW-03 (6-29-2020)	**Date Received**	: 06/30/20
Sample Location	: ROCHESTER, NY	**Date Analyzed**	: 07/01/20 16:33
Sample Matrix	: WATER	**Dilution Factor**	: 25
Analytical Method	: 1,8260C	**Analyst**	: AJK
Lab File ID	: V22200701A20	**Instrument ID**	: VOA122
Sample Amount	: 0.4 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	62	18.	U
108-87-2	Methyl cyclohexane	ND	250	9.9	U

Tentatively Identified Compounds
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	**Lab Number**	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	**Project Number**	: 2182207
Lab ID	: L2027694-03D	**Date Collected**	: 06/29/20 15:46
Client ID	: BW-03 (6-29-2020)	**Date Received**	: 06/30/20
Sample Location	: ROCHESTER, NY	**Date Analyzed**	: 07/01/20 16:33
Sample Matrix	: WATER	**Dilution Factor**	: 25
Analytical Method	: 1,8260C	**Analyst**	: AJK
Lab File ID	: V22200701A20	**Instrument ID**	: VOA122
Sample Amount	: 0.4 ml	**GC Column**	: RTX-502.2
Level	:	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

Number TICS found: 0 **Concentration Units: ug/L**

CAS Number	Compound Name	RT	EST. CONC.	Qualifier
	NO TENTATIVELY IDENTIFIED COMPOUNDS			

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	**Lab Number**	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	**Project Number**	: 2182207
Lab ID	: L2027694-04D	**Date Collected**	: 06/30/20 09:30
Client ID	: BW-01	**Date Received**	: 06/30/20
Sample Location	: ROCHESTER, NY	**Date Analyzed**	: 07/01/20 16:57
Sample Matrix	: WATER	**Dilution Factor**	: 50
Analytical Method	: 1,8260C	**Analyst**	: AJK
Lab File ID	: V22200701A21	**Instrument ID**	: VOA122
Sample Amount	: 0.2 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	120	35.	U
75-34-3	1,1-Dichloroethane	ND	120	35.	U
67-66-3	Chloroform	ND	120	35.	U
56-23-5	Carbon tetrachloride	ND	25	6.7	U
78-87-5	1,2-Dichloropropane	ND	50	6.8	U
124-48-1	Dibromochloromethane	ND	25	7.4	U
79-00-5	1,1,2-Trichloroethane	ND	75	25.	U
127-18-4	Tetrachloroethene	14	25	9.0	J
108-90-7	Chlorobenzene	ND	120	35.	U
75-69-4	Trichlorofluoromethane	ND	120	35.	U
107-06-2	1,2-Dichloroethane	ND	25	6.6	U
71-55-6	1,1,1-Trichloroethane	ND	120	35.	U
75-27-4	Bromodichloromethane	ND	25	9.6	U
10061-02-6	trans-1,3-Dichloropropene	ND	25	8.2	U
10061-01-5	cis-1,3-Dichloropropene	ND	25	7.2	U
75-25-2	Bromoform	ND	100	32.	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	25	8.4	U
71-43-2	Benzene	ND	25	8.0	U
108-88-3	Toluene	ND	120	35.	U
100-41-4	Ethylbenzene	ND	120	35.	U
74-87-3	Chloromethane	ND	120	35.	U
74-83-9	Bromomethane	ND	120	35.	U
75-01-4	Vinyl chloride	ND	50	3.6	U
75-00-3	Chloroethane	ND	120	35.	U
75-35-4	1,1-Dichloroethene	ND	25	8.4	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	**Lab Number**	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	**Project Number**	: 2182207
Lab ID	: L2027694-04D	**Date Collected**	: 06/30/20 09:30
Client ID	: BW-01	**Date Received**	: 06/30/20
Sample Location	: ROCHESTER, NY	**Date Analyzed**	: 07/01/20 16:57
Sample Matrix	: WATER	**Dilution Factor**	: 50
Analytical Method	: 1,8260C	**Analyst**	: AJK
Lab File ID	: V22200701A21	**Instrument ID**	: VOA122
Sample Amount	: 0.2 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
156-60-5	trans-1,2-Dichloroethene	ND	120	35.	U
79-01-6	Trichloroethene	5400	25	8.8	
95-50-1	1,2-Dichlorobenzene	ND	120	35.	U
541-73-1	1,3-Dichlorobenzene	ND	120	35.	U
106-46-7	1,4-Dichlorobenzene	ND	120	35.	U
1634-04-4	Methyl tert butyl ether	ND	120	35.	U
179601-23-1	p/m-Xylene	ND	120	35.	U
95-47-6	o-Xylene	ND	120	35.	U
156-59-2	cis-1,2-Dichloroethene	220	120	35.	
100-42-5	Styrene	ND	120	35.	U
75-71-8	Dichlorodifluoromethane	ND	250	50.	U
67-64-1	Acetone	ND	250	73.	U
75-15-0	Carbon disulfide	ND	250	50.	U
78-93-3	2-Butanone	ND	250	97.	U
108-10-1	4-Methyl-2-pentanone	ND	250	50.	U
591-78-6	2-Hexanone	ND	250	50.	U
74-97-5	Bromochloromethane	ND	120	35.	U
106-93-4	1,2-Dibromoethane	ND	100	32.	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	120	35.	U
98-82-8	Isopropylbenzene	ND	120	35.	U
87-61-6	1,2,3-Trichlorobenzene	ND	120	35.	U
120-82-1	1,2,4-Trichlorobenzene	ND	120	35.	U
79-20-9	Methyl Acetate	ND	100	12.	U
110-82-7	Cyclohexane	ND	500	14.	U
123-91-1	1,4-Dioxane	ND	12000	3000	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	**Lab Number**	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	**Project Number**	: 2182207
Lab ID	: L2027694-04D	**Date Collected**	: 06/30/20 09:30
Client ID	: BW-01	**Date Received**	: 06/30/20
Sample Location	: ROCHESTER, NY	**Date Analyzed**	: 07/01/20 16:57
Sample Matrix	: WATER	**Dilution Factor**	: 50
Analytical Method	: 1,8260C	**Analyst**	: AJK
Lab File ID	: V22200701A21	**Instrument ID**	: VOA122
Sample Amount	: 0.2 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	120	35.	U
108-87-2	Methyl cyclohexane	ND	500	20.	U

Tentatively Identified Compounds
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	**Lab Number**	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	**Project Number**	: 2182207
Lab ID	: L2027694-04D	**Date Collected**	: 06/30/20 09:30
Client ID	: BW-01	**Date Received**	: 06/30/20
Sample Location	: ROCHESTER, NY	**Date Analyzed**	: 07/01/20 16:57
Sample Matrix	: WATER	**Dilution Factor**	: 50
Analytical Method	: 1,8260C	**Analyst**	: AJK
Lab File ID	: V22200701A21	**Instrument ID**	: VOA122
Sample Amount	: 0.2 ml	**GC Column**	: RTX-502.2
Level	:	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

Number TICS found: 0 **Concentration Units: ug/L**

CAS Number	Compound Name	RT	EST. CONC.	Qualifier
	NO TENTATIVELY IDENTIFIED COMPOUNDS			

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	**Lab Number**	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	**Project Number**	: 2182207
Lab ID	: L2027694-05D	**Date Collected**	: 06/30/20 10:05
Client ID	: SB-MW-14	**Date Received**	: 06/30/20
Sample Location	: ROCHESTER, NY	**Date Analyzed**	: 07/01/20 17:22
Sample Matrix	: WATER	**Dilution Factor**	: 1000
Analytical Method	: 1,8260C	**Analyst**	: AJK
Lab File ID	: V22200701A22	**Instrument ID**	: VOA122
Sample Amount	: 0.01 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2500	700	U
75-34-3	1,1-Dichloroethane	ND	2500	700	U
67-66-3	Chloroform	ND	2500	700	U
56-23-5	Carbon tetrachloride	ND	500	130	U
78-87-5	1,2-Dichloropropane	ND	1000	140	U
124-48-1	Dibromochloromethane	ND	500	150	U
79-00-5	1,1,2-Trichloroethane	ND	1500	500	U
127-18-4	Tetrachloroethene	1700	500	180	
108-90-7	Chlorobenzene	ND	2500	700	U
75-69-4	Trichlorofluoromethane	ND	2500	700	U
107-06-2	1,2-Dichloroethane	ND	500	130	U
71-55-6	1,1,1-Trichloroethane	ND	2500	700	U
75-27-4	Bromodichloromethane	ND	500	190	U
10061-02-6	trans-1,3-Dichloropropene	ND	500	160	U
10061-01-5	cis-1,3-Dichloropropene	ND	500	140	U
75-25-2	Bromoform	ND	2000	650	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	500	170	U
71-43-2	Benzene	ND	500	160	U
108-88-3	Toluene	ND	2500	700	U
100-41-4	Ethylbenzene	ND	2500	700	U
74-87-3	Chloromethane	ND	2500	700	U
74-83-9	Bromomethane	ND	2500	700	U
75-01-4	Vinyl chloride	ND	1000	71.	U
75-00-3	Chloroethane	ND	2500	700	U
75-35-4	1,1-Dichloroethene	ND	500	170	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	**Lab Number**	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	**Project Number**	: 2182207
Lab ID	: L2027694-05D	**Date Collected**	: 06/30/20 10:05
Client ID	: SB-MW-14	**Date Received**	: 06/30/20
Sample Location	: ROCHESTER, NY	**Date Analyzed**	: 07/01/20 17:22
Sample Matrix	: WATER	**Dilution Factor**	: 1000
Analytical Method	: 1,8260C	**Analyst**	: AJK
Lab File ID	: V22200701A22	**Instrument ID**	: VOA122
Sample Amount	: 0.01 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
156-60-5	trans-1,2-Dichloroethene	ND	2500	700	U
79-01-6	Trichloroethene	89000	500	180	
95-50-1	1,2-Dichlorobenzene	ND	2500	700	U
541-73-1	1,3-Dichlorobenzene	ND	2500	700	U
106-46-7	1,4-Dichlorobenzene	ND	2500	700	U
1634-04-4	Methyl tert butyl ether	ND	2500	700	U
179601-23-1	p/m-Xylene	ND	2500	700	U
95-47-6	o-Xylene	ND	2500	700	U
156-59-2	cis-1,2-Dichloroethene	ND	2500	700	U
100-42-5	Styrene	ND	2500	700	U
75-71-8	Dichlorodifluoromethane	ND	5000	1000	U
67-64-1	Acetone	ND	5000	1500	U
75-15-0	Carbon disulfide	ND	5000	1000	U
78-93-3	2-Butanone	ND	5000	1900	U
108-10-1	4-Methyl-2-pentanone	ND	5000	1000	U
591-78-6	2-Hexanone	ND	5000	1000	U
74-97-5	Bromochloromethane	ND	2500	700	U
106-93-4	1,2-Dibromoethane	ND	2000	650	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2500	700	U
98-82-8	Isopropylbenzene	ND	2500	700	U
87-61-6	1,2,3-Trichlorobenzene	ND	2500	700	U
120-82-1	1,2,4-Trichlorobenzene	ND	2500	700	U
79-20-9	Methyl Acetate	ND	2000	230	U
110-82-7	Cyclohexane	ND	10000	270	U
123-91-1	1,4-Dioxane	ND	250000	61000	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	**Lab Number**	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	**Project Number**	: 2182207
Lab ID	: L2027694-05D	**Date Collected**	: 06/30/20 10:05
Client ID	: SB-MW-14	**Date Received**	: 06/30/20
Sample Location	: ROCHESTER, NY	**Date Analyzed**	: 07/01/20 17:22
Sample Matrix	: WATER	**Dilution Factor**	: 1000
Analytical Method	: 1,8260C	**Analyst**	: AJK
Lab File ID	: V22200701A22	**Instrument ID**	: VOA122
Sample Amount	: 0.01 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	2500	700	U
108-87-2	Methyl cyclohexane	ND	10000	400	U

Tentatively Identified Compounds
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	**Lab Number**	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	**Project Number**	: 2182207
Lab ID	: L2027694-05D	**Date Collected**	: 06/30/20 10:05
Client ID	: SB-MW-14	**Date Received**	: 06/30/20
Sample Location	: ROCHESTER, NY	**Date Analyzed**	: 07/01/20 17:22
Sample Matrix	: WATER	**Dilution Factor**	: 1000
Analytical Method	: 1,8260C	**Analyst**	: AJK
Lab File ID	: V22200701A22	**Instrument ID**	: VOA122
Sample Amount	: 0.01 ml	**GC Column**	: RTX-502.2
Level	:	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

Number TICS found: 0 **Concentration Units: ug/L**

CAS Number	Compound Name	RT	EST. CONC.	Qualifier
	NO TENTATIVELY IDENTIFIED COMPOUNDS			

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	**Lab Number**	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	**Project Number**	: 2182207
Lab ID	: L2027694-06D	**Date Collected**	: 06/30/20 11:00
Client ID	: R1MW-04	**Date Received**	: 06/30/20
Sample Location	: ROCHESTER, NY	**Date Analyzed**	: 07/01/20 18:11
Sample Matrix	: WATER	**Dilution Factor**	: 2.5
Analytical Method	: 1,8260C	**Analyst**	: AJK
Lab File ID	: V22200701A24	**Instrument ID**	: VOA122
Sample Amount	: 4 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	6.2	1.8	U
75-34-3	1,1-Dichloroethane	ND	6.2	1.8	U
67-66-3	Chloroform	ND	6.2	1.8	U
56-23-5	Carbon tetrachloride	ND	1.2	0.34	U
78-87-5	1,2-Dichloropropane	ND	2.5	0.34	U
124-48-1	Dibromochloromethane	ND	1.2	0.37	U
79-00-5	1,1,2-Trichloroethane	ND	3.8	1.2	U
127-18-4	Tetrachloroethene	130	1.2	0.45	
108-90-7	Chlorobenzene	ND	6.2	1.8	U
75-69-4	Trichlorofluoromethane	ND	6.2	1.8	U
107-06-2	1,2-Dichloroethane	ND	1.2	0.33	U
71-55-6	1,1,1-Trichloroethane	ND	6.2	1.8	U
75-27-4	Bromodichloromethane	ND	1.2	0.48	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.2	0.41	U
10061-01-5	cis-1,3-Dichloropropene	ND	1.2	0.36	U
75-25-2	Bromoform	ND	5.0	1.6	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.2	0.42	U
71-43-2	Benzene	ND	1.2	0.40	U
108-88-3	Toluene	ND	6.2	1.8	U
100-41-4	Ethylbenzene	ND	6.2	1.8	U
74-87-3	Chloromethane	ND	6.2	1.8	U
74-83-9	Bromomethane	ND	6.2	1.8	U
75-01-4	Vinyl chloride	11	2.5	0.18	
75-00-3	Chloroethane	ND	6.2	1.8	U
75-35-4	1,1-Dichloroethene	ND	1.2	0.42	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	**Lab Number**	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	**Project Number**	: 2182207
Lab ID	: L2027694-06D	**Date Collected**	: 06/30/20 11:00
Client ID	: R1MW-04	**Date Received**	: 06/30/20
Sample Location	: ROCHESTER, NY	**Date Analyzed**	: 07/01/20 18:11
Sample Matrix	: WATER	**Dilution Factor**	: 2.5
Analytical Method	: 1,8260C	**Analyst**	: AJK
Lab File ID	: V22200701A24	**Instrument ID**	: VOA122
Sample Amount	: 4 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
156-60-5	trans-1,2-Dichloroethene	5.4	6.2	1.8	J
79-01-6	Trichloroethene	220	1.2	0.44	
95-50-1	1,2-Dichlorobenzene	ND	6.2	1.8	U
541-73-1	1,3-Dichlorobenzene	ND	6.2	1.8	U
106-46-7	1,4-Dichlorobenzene	ND	6.2	1.8	U
1634-04-4	Methyl tert butyl ether	ND	6.2	1.8	U
179601-23-1	p/m-Xylene	ND	6.2	1.8	U
95-47-6	o-Xylene	ND	6.2	1.8	U
156-59-2	cis-1,2-Dichloroethene	31	6.2	1.8	
100-42-5	Styrene	ND	6.2	1.8	U
75-71-8	Dichlorodifluoromethane	ND	12	2.5	U
67-64-1	Acetone	ND	12	3.6	U
75-15-0	Carbon disulfide	ND	12	2.5	U
78-93-3	2-Butanone	ND	12	4.8	U
108-10-1	4-Methyl-2-pentanone	ND	12	2.5	U
591-78-6	2-Hexanone	ND	12	2.5	U
74-97-5	Bromochloromethane	ND	6.2	1.8	U
106-93-4	1,2-Dibromoethane	ND	5.0	1.6	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	6.2	1.8	U
98-82-8	Isopropylbenzene	ND	6.2	1.8	U
87-61-6	1,2,3-Trichlorobenzene	ND	6.2	1.8	U
120-82-1	1,2,4-Trichlorobenzene	ND	6.2	1.8	U
79-20-9	Methyl Acetate	ND	5.0	0.58	U
110-82-7	Cyclohexane	ND	25	0.68	U
123-91-1	1,4-Dioxane	ND	620	150	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	**Lab Number**	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	**Project Number**	: 2182207
Lab ID	: L2027694-06D	**Date Collected**	: 06/30/20 11:00
Client ID	: R1MW-04	**Date Received**	: 06/30/20
Sample Location	: ROCHESTER, NY	**Date Analyzed**	: 07/01/20 18:11
Sample Matrix	: WATER	**Dilution Factor**	: 2.5
Analytical Method	: 1,8260C	**Analyst**	: AJK
Lab File ID	: V22200701A24	**Instrument ID**	: VOA122
Sample Amount	: 4 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	6.2	1.8	U
108-87-2	Methyl cyclohexane	ND	25	0.99	U

Tentatively Identified Compounds
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	**Lab Number**	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	**Project Number**	: 2182207
Lab ID	: L2027694-06D	**Date Collected**	: 06/30/20 11:00
Client ID	: R1MW-04	**Date Received**	: 06/30/20
Sample Location	: ROCHESTER, NY	**Date Analyzed**	: 07/01/20 18:11
Sample Matrix	: WATER	**Dilution Factor**	: 2.5
Analytical Method	: 1,8260C	**Analyst**	: AJK
Lab File ID	: V22200701A24	**Instrument ID**	: VOA122
Sample Amount	: 4 ml	**GC Column**	: RTX-502.2
Level	:	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

Number TICS found: 11 **Concentration Units: ug/L**

CAS Number	Compound Name	RT	EST. CONC.	Qualifier
	Unknown	1.65	3.4	J
	Unknown Benzene	13.55	3.62	J
	Unknown Aromatic	13.86	3.32	J
	Unknown Aromatic	14.54	5.45	J
	Unknown Aromatic	14.68	5.55	J
	Unknown Aromatic	15.17	9.08	J
	Unknown Aromatic	15.31	9.75	J
	Unknown Naphthalene	16.11	8.05	J
	Unknown Naphthalene	16.24	8.45	J
	Unknown Naphthalene	16.28	3.8	J
	Total TIC Compounds		60.5J	J

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	**Lab Number**	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	**Project Number**	: 2182207
Lab ID	: L2027694-07D	**Date Collected**	: 06/30/20 11:20
Client ID	: R1MW-02	**Date Received**	: 06/30/20
Sample Location	: ROCHESTER, NY	**Date Analyzed**	: 07/01/20 18:36
Sample Matrix	: WATER	**Dilution Factor**	: 2
Analytical Method	: 1,8260C	**Analyst**	: AJK
Lab File ID	: V22200701A25	**Instrument ID**	: VOA122
Sample Amount	: 5 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	5.0	1.4	U
75-34-3	1,1-Dichloroethane	ND	5.0	1.4	U
67-66-3	Chloroform	ND	5.0	1.4	U
56-23-5	Carbon tetrachloride	ND	1.0	0.27	U
78-87-5	1,2-Dichloropropane	ND	2.0	0.27	U
124-48-1	Dibromochloromethane	ND	1.0	0.30	U
79-00-5	1,1,2-Trichloroethane	ND	3.0	1.0	U
127-18-4	Tetrachloroethene	23	1.0	0.36	
108-90-7	Chlorobenzene	ND	5.0	1.4	U
75-69-4	Trichlorofluoromethane	ND	5.0	1.4	U
107-06-2	1,2-Dichloroethane	ND	1.0	0.26	U
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.4	U
75-27-4	Bromodichloromethane	ND	1.0	0.38	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.33	U
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.29	U
75-25-2	Bromoform	ND	4.0	1.3	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.33	U
71-43-2	Benzene	ND	1.0	0.32	U
108-88-3	Toluene	ND	5.0	1.4	U
100-41-4	Ethylbenzene	ND	5.0	1.4	U
74-87-3	Chloromethane	ND	5.0	1.4	U
74-83-9	Bromomethane	ND	5.0	1.4	U
75-01-4	Vinyl chloride	0.84	2.0	0.14	J
75-00-3	Chloroethane	ND	5.0	1.4	U
75-35-4	1,1-Dichloroethene	ND	1.0	0.34	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	**Lab Number**	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	**Project Number**	: 2182207
Lab ID	: L2027694-07D	**Date Collected**	: 06/30/20 11:20
Client ID	: R1MW-02	**Date Received**	: 06/30/20
Sample Location	: ROCHESTER, NY	**Date Analyzed**	: 07/01/20 18:36
Sample Matrix	: WATER	**Dilution Factor**	: 2
Analytical Method	: 1,8260C	**Analyst**	: AJK
Lab File ID	: V22200701A25	**Instrument ID**	: VOA122
Sample Amount	: 5 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
156-60-5	trans-1,2-Dichloroethene	ND	5.0	1.4	U
79-01-6	Trichloroethene	98	1.0	0.35	
95-50-1	1,2-Dichlorobenzene	ND	5.0	1.4	U
541-73-1	1,3-Dichlorobenzene	ND	5.0	1.4	U
106-46-7	1,4-Dichlorobenzene	ND	5.0	1.4	U
1634-04-4	Methyl tert butyl ether	ND	5.0	1.4	U
179601-23-1	p/m-Xylene	ND	5.0	1.4	U
95-47-6	o-Xylene	ND	5.0	1.4	U
156-59-2	cis-1,2-Dichloroethene	4.8	5.0	1.4	J
100-42-5	Styrene	ND	5.0	1.4	U
75-71-8	Dichlorodifluoromethane	ND	10	2.0	U
67-64-1	Acetone	5.2	10	2.9	J
75-15-0	Carbon disulfide	ND	10	2.0	U
78-93-3	2-Butanone	ND	10	3.9	U
108-10-1	4-Methyl-2-pentanone	ND	10	2.0	U
591-78-6	2-Hexanone	ND	10	2.0	U
74-97-5	Bromochloromethane	ND	5.0	1.4	U
106-93-4	1,2-Dibromoethane	ND	4.0	1.3	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	1.4	U
98-82-8	Isopropylbenzene	ND	5.0	1.4	U
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	1.4	U
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	1.4	U
79-20-9	Methyl Acetate	ND	4.0	0.47	U
110-82-7	Cyclohexane	ND	20	0.54	U
123-91-1	1,4-Dioxane	ND	500	120	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	**Lab Number**	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	**Project Number**	: 2182207
Lab ID	: L2027694-07D	**Date Collected**	: 06/30/20 11:20
Client ID	: R1MW-02	**Date Received**	: 06/30/20
Sample Location	: ROCHESTER, NY	**Date Analyzed**	: 07/01/20 18:36
Sample Matrix	: WATER	**Dilution Factor**	: 2
Analytical Method	: 1,8260C	**Analyst**	: AJK
Lab File ID	: V22200701A25	**Instrument ID**	: VOA122
Sample Amount	: 5 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	5.0	1.4	U
108-87-2	Methyl cyclohexane	0.81	20	0.79	J

Tentatively Identified Compounds
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	**Lab Number**	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	**Project Number**	: 2182207
Lab ID	: L2027694-07D	**Date Collected**	: 06/30/20 11:20
Client ID	: R1MW-02	**Date Received**	: 06/30/20
Sample Location	: ROCHESTER, NY	**Date Analyzed**	: 07/01/20 18:36
Sample Matrix	: WATER	**Dilution Factor**	: 2
Analytical Method	: 1,8260C	**Analyst**	: AJK
Lab File ID	: V22200701A25	**Instrument ID**	: VOA122
Sample Amount	: 5 ml	**GC Column**	: RTX-502.2
Level	:	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

Number TICS found: 11 **Concentration Units: ug/L**

CAS Number	Compound Name	RT	EST. CONC.	Qualifier
	Unknown Benzene	13.55	7.48	J
	Unknown Aromatic	13.87	6.8	J
	Unknown Aromatic	14.54	8.96	J
	Unknown	14.84	7.36	J
000629-59-4	Tetradecane	14.98	9.48	NJ
	Unknown Aromatic	15.17	11.9	J
	Unknown	15.31	11.4	J
	Unknown Naphthalene	16.11	12.1	J
	Unknown Naphthalene	16.24	12.4	J
	Unknown Naphthalene	16.28	5.8	J
	Total TIC Compounds		93.7J	J

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	**Lab Number**	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	**Project Number**	: 2182207
Lab ID	: L2027694-08D	**Date Collected**	: 06/30/20 11:45
Client ID	: SB-MW-16	**Date Received**	: 06/30/20
Sample Location	: ROCHESTER, NY	**Date Analyzed**	: 07/02/20 01:05
Sample Matrix	: WATER	**Dilution Factor**	: 2.5
Analytical Method	: 1,8260C	**Analyst**	: NLK
Lab File ID	: VE200701N23	**Instrument ID**	: ELAINE
Sample Amount	: 4 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	6.2	1.8	U
75-34-3	1,1-Dichloroethane	ND	6.2	1.8	U
67-66-3	Chloroform	ND	6.2	1.8	U
56-23-5	Carbon tetrachloride	ND	1.2	0.34	U
78-87-5	1,2-Dichloropropane	ND	2.5	0.34	U
124-48-1	Dibromochloromethane	ND	1.2	0.37	U
79-00-5	1,1,2-Trichloroethane	ND	3.8	1.2	U
127-18-4	Tetrachloroethene	24	1.2	0.45	
108-90-7	Chlorobenzene	ND	6.2	1.8	U
75-69-4	Trichlorofluoromethane	ND	6.2	1.8	U
107-06-2	1,2-Dichloroethane	0.48	1.2	0.33	J
71-55-6	1,1,1-Trichloroethane	ND	6.2	1.8	U
75-27-4	Bromodichloromethane	ND	1.2	0.48	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.2	0.41	U
10061-01-5	cis-1,3-Dichloropropene	ND	1.2	0.36	U
75-25-2	Bromoform	ND	5.0	1.6	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.2	0.42	U
71-43-2	Benzene	ND	1.2	0.40	U
108-88-3	Toluene	ND	6.2	1.8	U
100-41-4	Ethylbenzene	ND	6.2	1.8	U
74-87-3	Chloromethane	ND	6.2	1.8	U
74-83-9	Bromomethane	ND	6.2	1.8	U
75-01-4	Vinyl chloride	ND	2.5	0.18	U
75-00-3	Chloroethane	ND	6.2	1.8	U
75-35-4	1,1-Dichloroethene	0.60	1.2	0.42	J

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	**Lab Number**	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	**Project Number**	: 2182207
Lab ID	: L2027694-08D	**Date Collected**	: 06/30/20 11:45
Client ID	: SB-MW-16	**Date Received**	: 06/30/20
Sample Location	: ROCHESTER, NY	**Date Analyzed**	: 07/02/20 01:05
Sample Matrix	: WATER	**Dilution Factor**	: 2.5
Analytical Method	: 1,8260C	**Analyst**	: NLK
Lab File ID	: VE200701N23	**Instrument ID**	: ELAINE
Sample Amount	: 4 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
156-60-5	trans-1,2-Dichloroethene	ND	6.2	1.8	U
79-01-6	Trichloroethene	350	1.2	0.44	
95-50-1	1,2-Dichlorobenzene	ND	6.2	1.8	U
541-73-1	1,3-Dichlorobenzene	ND	6.2	1.8	U
106-46-7	1,4-Dichlorobenzene	ND	6.2	1.8	U
1634-04-4	Methyl tert butyl ether	ND	6.2	1.8	U
179601-23-1	p/m-Xylene	ND	6.2	1.8	U
95-47-6	o-Xylene	ND	6.2	1.8	U
156-59-2	cis-1,2-Dichloroethene	17	6.2	1.8	
100-42-5	Styrene	ND	6.2	1.8	U
75-71-8	Dichlorodifluoromethane	ND	12	2.5	U
67-64-1	Acetone	ND	12	3.6	U
75-15-0	Carbon disulfide	ND	12	2.5	U
78-93-3	2-Butanone	ND	12	4.8	U
108-10-1	4-Methyl-2-pentanone	ND	12	2.5	U
591-78-6	2-Hexanone	ND	12	2.5	U
74-97-5	Bromochloromethane	ND	6.2	1.8	U
106-93-4	1,2-Dibromoethane	ND	5.0	1.6	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	6.2	1.8	U
98-82-8	Isopropylbenzene	ND	6.2	1.8	U
87-61-6	1,2,3-Trichlorobenzene	ND	6.2	1.8	U
120-82-1	1,2,4-Trichlorobenzene	ND	6.2	1.8	U
79-20-9	Methyl Acetate	ND	5.0	0.58	U
110-82-7	Cyclohexane	ND	25	0.68	U
123-91-1	1,4-Dioxane	ND	620	150	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	**Lab Number**	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	**Project Number**	: 2182207
Lab ID	: L2027694-08D	**Date Collected**	: 06/30/20 11:45
Client ID	: SB-MW-16	**Date Received**	: 06/30/20
Sample Location	: ROCHESTER, NY	**Date Analyzed**	: 07/02/20 01:05
Sample Matrix	: WATER	**Dilution Factor**	: 2.5
Analytical Method	: 1,8260C	**Analyst**	: NLK
Lab File ID	: VE200701N23	**Instrument ID**	: ELAINE
Sample Amount	: 4 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	6.2	1.8	U
108-87-2	Methyl cyclohexane	ND	25	0.99	U

Tentatively Identified Compounds
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	**Lab Number**	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	**Project Number**	: 2182207
Lab ID	: L2027694-08D	**Date Collected**	: 06/30/20 11:45
Client ID	: SB-MW-16	**Date Received**	: 06/30/20
Sample Location	: ROCHESTER, NY	**Date Analyzed**	: 07/02/20 01:05
Sample Matrix	: WATER	**Dilution Factor**	: 2.5
Analytical Method	: 1,8260C	**Analyst**	: NLK
Lab File ID	: VE200701N23	**Instrument ID**	: ELAINE
Sample Amount	: 4 ml	**GC Column**	: RTX-502.2
Level	:	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

Number TICS found: 0 **Concentration Units: ug/L**

CAS Number	Compound Name	RT	EST. CONC.	Qualifier
	NO TENTATIVELY IDENTIFIED COMPOUNDS			

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	**Lab Number**	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	**Project Number**	: 2182207
Lab ID	: L2027694-09D	**Date Collected**	: 06/30/20 12:30
Client ID	: RMW-16	**Date Received**	: 06/30/20
Sample Location	: ROCHESTER, NY	**Date Analyzed**	: 07/02/20 09:35
Sample Matrix	: WATER	**Dilution Factor**	: 25
Analytical Method	: 1,8260C	**Analyst**	: PD
Lab File ID	: V08200702A08	**Instrument ID**	: VOA108
Sample Amount	: 0.4 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	62	18.	U
75-34-3	1,1-Dichloroethane	ND	62	18.	U
67-66-3	Chloroform	ND	62	18.	U
56-23-5	Carbon tetrachloride	ND	12	3.4	U
78-87-5	1,2-Dichloropropane	ND	25	3.4	U
124-48-1	Dibromochloromethane	ND	12	3.7	U
79-00-5	1,1,2-Trichloroethane	ND	38	12.	U
127-18-4	Tetrachloroethene	60	12	4.5	
108-90-7	Chlorobenzene	ND	62	18.	U
75-69-4	Trichlorofluoromethane	ND	62	18.	U
107-06-2	1,2-Dichloroethane	ND	12	3.3	U
71-55-6	1,1,1-Trichloroethane	ND	62	18.	U
75-27-4	Bromodichloromethane	ND	12	4.8	U
10061-02-6	trans-1,3-Dichloropropene	ND	12	4.1	U
10061-01-5	cis-1,3-Dichloropropene	ND	12	3.6	U
75-25-2	Bromoform	ND	50	16.	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	12	4.2	U
71-43-2	Benzene	ND	12	4.0	U
108-88-3	Toluene	ND	62	18.	U
100-41-4	Ethylbenzene	ND	62	18.	U
74-87-3	Chloromethane	ND	62	18.	U
74-83-9	Bromomethane	ND	62	18.	U
75-01-4	Vinyl chloride	ND	25	1.8	U
75-00-3	Chloroethane	ND	62	18.	U
75-35-4	1,1-Dichloroethene	ND	12	4.2	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	**Lab Number**	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	**Project Number**	: 2182207
Lab ID	: L2027694-09D	**Date Collected**	: 06/30/20 12:30
Client ID	: RMW-16	**Date Received**	: 06/30/20
Sample Location	: ROCHESTER, NY	**Date Analyzed**	: 07/02/20 09:35
Sample Matrix	: WATER	**Dilution Factor**	: 25
Analytical Method	: 1,8260C	**Analyst**	: PD
Lab File ID	: V08200702A08	**Instrument ID**	: VOA108
Sample Amount	: 0.4 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
156-60-5	trans-1,2-Dichloroethene	ND	62	18.	U
79-01-6	Trichloroethene	4400	12	4.4	
95-50-1	1,2-Dichlorobenzene	ND	62	18.	U
541-73-1	1,3-Dichlorobenzene	ND	62	18.	U
106-46-7	1,4-Dichlorobenzene	ND	62	18.	U
1634-04-4	Methyl tert butyl ether	ND	62	18.	U
179601-23-1	p/m-Xylene	ND	62	18.	U
95-47-6	o-Xylene	ND	62	18.	U
156-59-2	cis-1,2-Dichloroethene	ND	62	18.	U
100-42-5	Styrene	ND	62	18.	U
75-71-8	Dichlorodifluoromethane	ND	120	25.	U
67-64-1	Acetone	ND	120	36.	U
75-15-0	Carbon disulfide	ND	120	25.	U
78-93-3	2-Butanone	ND	120	48.	U
108-10-1	4-Methyl-2-pentanone	ND	120	25.	U
591-78-6	2-Hexanone	ND	120	25.	U
74-97-5	Bromochloromethane	ND	62	18.	U
106-93-4	1,2-Dibromoethane	ND	50	16.	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	62	18.	U
98-82-8	Isopropylbenzene	ND	62	18.	U
87-61-6	1,2,3-Trichlorobenzene	ND	62	18.	U
120-82-1	1,2,4-Trichlorobenzene	ND	62	18.	U
79-20-9	Methyl Acetate	ND	50	5.8	U
110-82-7	Cyclohexane	ND	250	6.8	U
123-91-1	1,4-Dioxane	ND	6200	1500	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	**Lab Number**	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	**Project Number**	: 2182207
Lab ID	: L2027694-09D	**Date Collected**	: 06/30/20 12:30
Client ID	: RMW-16	**Date Received**	: 06/30/20
Sample Location	: ROCHESTER, NY	**Date Analyzed**	: 07/02/20 09:35
Sample Matrix	: WATER	**Dilution Factor**	: 25
Analytical Method	: 1,8260C	**Analyst**	: PD
Lab File ID	: V08200702A08	**Instrument ID**	: VOA108
Sample Amount	: 0.4 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	62	18.	U
108-87-2	Methyl cyclohexane	ND	250	9.9	U

Tentatively Identified Compounds
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	**Lab Number**	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	**Project Number**	: 2182207
Lab ID	: L2027694-09D	**Date Collected**	: 06/30/20 12:30
Client ID	: RMW-16	**Date Received**	: 06/30/20
Sample Location	: ROCHESTER, NY	**Date Analyzed**	: 07/02/20 09:35
Sample Matrix	: WATER	**Dilution Factor**	: 25
Analytical Method	: 1,8260C	**Analyst**	: PD
Lab File ID	: V08200702A08	**Instrument ID**	: VOA108
Sample Amount	: 0.4 ml	**GC Column**	: RTX-502.2
Level	:	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

Number TICS found: 0 **Concentration Units: ug/L**

CAS Number	Compound Name	RT	EST. CONC.	Qualifier
	NO TENTATIVELY IDENTIFIED COMPOUNDS			

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	**Lab Number**	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	**Project Number**	: 2182207
Lab ID	: L2027694-10	**Date Collected**	: 06/30/20 12:45
Client ID	: R1MW-19S	**Date Received**	: 06/30/20
Sample Location	: ROCHESTER, NY	**Date Analyzed**	: 07/02/20 00:43
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: NLK
Lab File ID	: VE200701N22	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	0.79	2.5	0.70	J
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	**Lab Number**	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	**Project Number**	: 2182207
Lab ID	: L2027694-10	**Date Collected**	: 06/30/20 12:45
Client ID	: R1MW-19S	**Date Received**	: 06/30/20
Sample Location	: ROCHESTER, NY	**Date Analyzed**	: 07/02/20 00:43
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: NLK
Lab File ID	: VE200701N22	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	78	5.0	1.5	
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	4.5	5.0	1.9	J
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	**Lab Number**	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	**Project Number**	: 2182207
Lab ID	: L2027694-10	**Date Collected**	: 06/30/20 12:45
Client ID	: R1MW-19S	**Date Received**	: 06/30/20
Sample Location	: ROCHESTER, NY	**Date Analyzed**	: 07/02/20 00:43
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: NLK
Lab File ID	: VE200701N22	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Tentatively Identified Compounds
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	**Lab Number**	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	**Project Number**	: 2182207
Lab ID	: L2027694-10	**Date Collected**	: 06/30/20 12:45
Client ID	: R1MW-19S	**Date Received**	: 06/30/20
Sample Location	: ROCHESTER, NY	**Date Analyzed**	: 07/02/20 00:43
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: NLK
Lab File ID	: VE200701N22	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	:	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

Number TICS found: 0 **Concentration Units: ug/L**

CAS Number	Compound Name	RT	EST. CONC.	Qualifier
	NO TENTATIVELY IDENTIFIED COMPOUNDS			

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	**Lab Number**	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	**Project Number**	: 2182207
Lab ID	: L2027694-11D	**Date Collected**	: 06/30/20 13:00
Client ID	: R1MW-19D	**Date Received**	: 06/30/20
Sample Location	: ROCHESTER, NY	**Date Analyzed**	: 07/01/20 15:19
Sample Matrix	: WATER	**Dilution Factor**	: 10
Analytical Method	: 1,8260C	**Analyst**	: AJK
Lab File ID	: V22200701A17	**Instrument ID**	: VOA122
Sample Amount	: 1 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	25	7.0	U
75-34-3	1,1-Dichloroethane	ND	25	7.0	U
67-66-3	Chloroform	ND	25	7.0	U
56-23-5	Carbon tetrachloride	ND	5.0	1.3	U
78-87-5	1,2-Dichloropropane	ND	10	1.4	U
124-48-1	Dibromochloromethane	ND	5.0	1.5	U
79-00-5	1,1,2-Trichloroethane	ND	15	5.0	U
127-18-4	Tetrachloroethene	ND	5.0	1.8	U
108-90-7	Chlorobenzene	ND	25	7.0	U
75-69-4	Trichlorofluoromethane	ND	25	7.0	U
107-06-2	1,2-Dichloroethane	ND	5.0	1.3	U
71-55-6	1,1,1-Trichloroethane	ND	25	7.0	U
75-27-4	Bromodichloromethane	ND	5.0	1.9	U
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.6	U
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.4	U
75-25-2	Bromoform	ND	20	6.5	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.7	U
71-43-2	Benzene	ND	5.0	1.6	U
108-88-3	Toluene	ND	25	7.0	U
100-41-4	Ethylbenzene	ND	25	7.0	U
74-87-3	Chloromethane	ND	25	7.0	U
74-83-9	Bromomethane	ND	25	7.0	U
75-01-4	Vinyl chloride	ND	10	0.71	U
75-00-3	Chloroethane	ND	25	7.0	U
75-35-4	1,1-Dichloroethene	ND	5.0	1.7	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	**Lab Number**	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	**Project Number**	: 2182207
Lab ID	: L2027694-11D	**Date Collected**	: 06/30/20 13:00
Client ID	: R1MW-19D	**Date Received**	: 06/30/20
Sample Location	: ROCHESTER, NY	**Date Analyzed**	: 07/01/20 15:19
Sample Matrix	: WATER	**Dilution Factor**	: 10
Analytical Method	: 1,8260C	**Analyst**	: AJK
Lab File ID	: V22200701A17	**Instrument ID**	: VOA122
Sample Amount	: 1 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
156-60-5	trans-1,2-Dichloroethene	ND	25	7.0	U
79-01-6	Trichloroethene	ND	5.0	1.8	U
95-50-1	1,2-Dichlorobenzene	ND	25	7.0	U
541-73-1	1,3-Dichlorobenzene	ND	25	7.0	U
106-46-7	1,4-Dichlorobenzene	ND	25	7.0	U
1634-04-4	Methyl tert butyl ether	ND	25	7.0	U
179601-23-1	p/m-Xylene	ND	25	7.0	U
95-47-6	o-Xylene	ND	25	7.0	U
156-59-2	cis-1,2-Dichloroethene	ND	25	7.0	U
100-42-5	Styrene	ND	25	7.0	U
75-71-8	Dichlorodifluoromethane	ND	50	10.	U
67-64-1	Acetone	94	50	15.	
75-15-0	Carbon disulfide	ND	50	10.	U
78-93-3	2-Butanone	ND	50	19.	U
108-10-1	4-Methyl-2-pentanone	ND	50	10.	U
591-78-6	2-Hexanone	ND	50	10.	U
74-97-5	Bromochloromethane	ND	25	7.0	U
106-93-4	1,2-Dibromoethane	ND	20	6.5	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	25	7.0	U
98-82-8	Isopropylbenzene	ND	25	7.0	U
87-61-6	1,2,3-Trichlorobenzene	ND	25	7.0	U
120-82-1	1,2,4-Trichlorobenzene	ND	25	7.0	U
79-20-9	Methyl Acetate	ND	20	2.3	U
110-82-7	Cyclohexane	ND	100	2.7	U
123-91-1	1,4-Dioxane	ND	2500	610	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	**Lab Number**	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	**Project Number**	: 2182207
Lab ID	: L2027694-11D	**Date Collected**	: 06/30/20 13:00
Client ID	: R1MW-19D	**Date Received**	: 06/30/20
Sample Location	: ROCHESTER, NY	**Date Analyzed**	: 07/01/20 15:19
Sample Matrix	: WATER	**Dilution Factor**	: 10
Analytical Method	: 1,8260C	**Analyst**	: AJK
Lab File ID	: V22200701A17	**Instrument ID**	: VOA122
Sample Amount	: 1 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	25	7.0	U
108-87-2	Methyl cyclohexane	ND	100	4.0	U

Tentatively Identified Compounds
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	**Lab Number**	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	**Project Number**	: 2182207
Lab ID	: L2027694-11D	**Date Collected**	: 06/30/20 13:00
Client ID	: R1MW-19D	**Date Received**	: 06/30/20
Sample Location	: ROCHESTER, NY	**Date Analyzed**	: 07/01/20 15:19
Sample Matrix	: WATER	**Dilution Factor**	: 10
Analytical Method	: 1,8260C	**Analyst**	: AJK
Lab File ID	: V22200701A17	**Instrument ID**	: VOA122
Sample Amount	: 1 ml	**GC Column**	: RTX-502.2
Level	:	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

Number TICS found: 2 **Concentration Units: ug/L**

CAS Number	Compound Name	RT	EST. CONC.	Qualifier
000124-19-6	Nonanal	13.35	19.1	NJ
	Total TIC Compounds		19.1J	J

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	**Lab Number**	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	**Project Number**	: 2182207
Lab ID	: L2027694-12D	**Date Collected**	: 06/30/20 00:00
Client ID	: QA/QC	**Date Received**	: 06/30/20
Sample Location	: ROCHESTER, NY	**Date Analyzed**	: 07/02/20 01:26
Sample Matrix	: WATER	**Dilution Factor**	: 50
Analytical Method	: 1,8260C	**Analyst**	: NLK
Lab File ID	: VE200701N24	**Instrument ID**	: ELAINE
Sample Amount	: 0.2 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	120	35.	U
75-34-3	1,1-Dichloroethane	ND	120	35.	U
67-66-3	Chloroform	ND	120	35.	U
56-23-5	Carbon tetrachloride	ND	25	6.7	U
78-87-5	1,2-Dichloropropane	ND	50	6.8	U
124-48-1	Dibromochloromethane	ND	25	7.4	U
79-00-5	1,1,2-Trichloroethane	ND	75	25.	U
127-18-4	Tetrachloroethene	15	25	9.0	J
108-90-7	Chlorobenzene	ND	120	35.	U
75-69-4	Trichlorofluoromethane	ND	120	35.	U
107-06-2	1,2-Dichloroethane	ND	25	6.6	U
71-55-6	1,1,1-Trichloroethane	ND	120	35.	U
75-27-4	Bromodichloromethane	ND	25	9.6	U
10061-02-6	trans-1,3-Dichloropropene	ND	25	8.2	U
10061-01-5	cis-1,3-Dichloropropene	ND	25	7.2	U
75-25-2	Bromoform	ND	100	32.	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	25	8.4	U
71-43-2	Benzene	ND	25	8.0	U
108-88-3	Toluene	ND	120	35.	U
100-41-4	Ethylbenzene	ND	120	35.	U
74-87-3	Chloromethane	ND	120	35.	U
74-83-9	Bromomethane	ND	120	35.	U
75-01-4	Vinyl chloride	ND	50	3.6	U
75-00-3	Chloroethane	ND	120	35.	U
75-35-4	1,1-Dichloroethene	ND	25	8.4	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	**Lab Number**	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	**Project Number**	: 2182207
Lab ID	: L2027694-12D	**Date Collected**	: 06/30/20 00:00
Client ID	: QA/QC	**Date Received**	: 06/30/20
Sample Location	: ROCHESTER, NY	**Date Analyzed**	: 07/02/20 01:26
Sample Matrix	: WATER	**Dilution Factor**	: 50
Analytical Method	: 1,8260C	**Analyst**	: NLK
Lab File ID	: VE200701N24	**Instrument ID**	: ELAINE
Sample Amount	: 0.2 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
156-60-5	trans-1,2-Dichloroethene	ND	120	35.	U
79-01-6	Trichloroethene	6000	25	8.8	
95-50-1	1,2-Dichlorobenzene	ND	120	35.	U
541-73-1	1,3-Dichlorobenzene	ND	120	35.	U
106-46-7	1,4-Dichlorobenzene	ND	120	35.	U
1634-04-4	Methyl tert butyl ether	ND	120	35.	U
179601-23-1	p/m-Xylene	ND	120	35.	U
95-47-6	o-Xylene	ND	120	35.	U
156-59-2	cis-1,2-Dichloroethene	230	120	35.	
100-42-5	Styrene	ND	120	35.	U
75-71-8	Dichlorodifluoromethane	ND	250	50.	U
67-64-1	Acetone	ND	250	73.	U
75-15-0	Carbon disulfide	ND	250	50.	U
78-93-3	2-Butanone	ND	250	97.	U
108-10-1	4-Methyl-2-pentanone	ND	250	50.	U
591-78-6	2-Hexanone	ND	250	50.	U
74-97-5	Bromochloromethane	ND	120	35.	U
106-93-4	1,2-Dibromoethane	ND	100	32.	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	120	35.	U
98-82-8	Isopropylbenzene	ND	120	35.	U
87-61-6	1,2,3-Trichlorobenzene	ND	120	35.	U
120-82-1	1,2,4-Trichlorobenzene	ND	120	35.	U
79-20-9	Methyl Acetate	ND	100	12.	U
110-82-7	Cyclohexane	ND	500	14.	U
123-91-1	1,4-Dioxane	ND	12000	3000	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	**Lab Number**	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	**Project Number**	: 2182207
Lab ID	: L2027694-12D	**Date Collected**	: 06/30/20 00:00
Client ID	: QA/QC	**Date Received**	: 06/30/20
Sample Location	: ROCHESTER, NY	**Date Analyzed**	: 07/02/20 01:26
Sample Matrix	: WATER	**Dilution Factor**	: 50
Analytical Method	: 1,8260C	**Analyst**	: NLK
Lab File ID	: VE200701N24	**Instrument ID**	: ELAINE
Sample Amount	: 0.2 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	120	35.	U
108-87-2	Methyl cyclohexane	ND	500	20.	U

Tentatively Identified Compounds
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	**Lab Number**	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	**Project Number**	: 2182207
Lab ID	: L2027694-12D	**Date Collected**	: 06/30/20 00:00
Client ID	: QA/QC	**Date Received**	: 06/30/20
Sample Location	: ROCHESTER, NY	**Date Analyzed**	: 07/02/20 01:26
Sample Matrix	: WATER	**Dilution Factor**	: 50
Analytical Method	: 1,8260C	**Analyst**	: NLK
Lab File ID	: VE200701N24	**Instrument ID**	: ELAINE
Sample Amount	: 0.2 ml	**GC Column**	: RTX-502.2
Level	:	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

Number TICS found: 0 **Concentration Units: ug/L**

CAS Number	Compound Name	RT	EST. CONC.	Qualifier
	NO TENTATIVELY IDENTIFIED COMPOUNDS			

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	**Lab Number**	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	**Project Number**	: 2182207
Lab ID	: L2027694-13	**Date Collected**	: 06/30/20 14:00
Client ID	: TRIP BLANK	**Date Received**	: 06/30/20
Sample Location	: ROCHESTER, NY	**Date Analyzed**	: 07/01/20 14:55
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: AJK
Lab File ID	: V22200701A16	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	**Lab Number**	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	**Project Number**	: 2182207
Lab ID	: L2027694-13	**Date Collected**	: 06/30/20 14:00
Client ID	: TRIP BLANK	**Date Received**	: 06/30/20
Sample Location	: ROCHESTER, NY	**Date Analyzed**	: 07/01/20 14:55
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: AJK
Lab File ID	: V22200701A16	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	**Lab Number**	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	**Project Number**	: 2182207
Lab ID	: L2027694-13	**Date Collected**	: 06/30/20 14:00
Client ID	: TRIP BLANK	**Date Received**	: 06/30/20
Sample Location	: ROCHESTER, NY	**Date Analyzed**	: 07/01/20 14:55
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: AJK
Lab File ID	: V22200701A16	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Tentatively Identified Compounds
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	**Lab Number**	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	**Project Number**	: 2182207
Lab ID	: L2027694-13	**Date Collected**	: 06/30/20 14:00
Client ID	: TRIP BLANK	**Date Received**	: 06/30/20
Sample Location	: ROCHESTER, NY	**Date Analyzed**	: 07/01/20 14:55
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: AJK
Lab File ID	: V22200701A16	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	:	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

Number TICS found: 0 **Concentration Units: ug/L**

CAS Number	Compound Name	RT	EST. CONC.	Qualifier
	NO TENTATIVELY IDENTIFIED COMPOUNDS			

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	**Lab Number**	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	**Project Number**	: 2182207
Lab ID	: WG1388388-5	**Date Collected**	: NA
Client ID	: WG1388388-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 07/01/20 10:24
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: PD
Lab File ID	: V22200701A05	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	**Lab Number**	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	**Project Number**	: 2182207
Lab ID	: WG1388388-5	**Date Collected**	: NA
Client ID	: WG1388388-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 07/01/20 10:24
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: PD
Lab File ID	: V22200701A05	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	**Lab Number**	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	**Project Number**	: 2182207
Lab ID	: WG1388388-5	**Date Collected**	: NA
Client ID	: WG1388388-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 07/01/20 10:24
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: PD
Lab File ID	: V22200701A05	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Tentatively Identified Compounds
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	**Lab Number**	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	**Project Number**	: 2182207
Lab ID	: WG1388388-5	**Date Collected**	: NA
Client ID	: WG1388388-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 07/01/20 10:24
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: PD
Lab File ID	: V22200701A05	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	:	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

Number TICS found: 0 **Concentration Units: ug/L**

CAS Number	Compound Name	RT	EST. CONC.	Qualifier
	NO TENTATIVELY IDENTIFIED COMPOUNDS			

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	**Lab Number**	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	**Project Number**	: 2182207
Lab ID	: WG1388497-5	**Date Collected**	: NA
Client ID	: WG1388497-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 07/01/20 18:40
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: TMS
Lab File ID	: VE200701N05	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	**Lab Number**	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	**Project Number**	: 2182207
Lab ID	: WG1388497-5	**Date Collected**	: NA
Client ID	: WG1388497-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 07/01/20 18:40
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: TMS
Lab File ID	: VE200701N05	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	**Lab Number**	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	**Project Number**	: 2182207
Lab ID	: WG1388497-5	**Date Collected**	: NA
Client ID	: WG1388497-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 07/01/20 18:40
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: TMS
Lab File ID	: VE200701N05	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Tentatively Identified Compounds
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	**Lab Number**	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	**Project Number**	: 2182207
Lab ID	: WG1388497-5	**Date Collected**	: NA
Client ID	: WG1388497-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 07/01/20 18:40
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: TMS
Lab File ID	: VE200701N05	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	:	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

Number TICS found: 0 **Concentration Units: ug/L**

CAS Number	Compound Name	RT	EST. CONC.	Qualifier
	NO TENTATIVELY IDENTIFIED COMPOUNDS			

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	**Lab Number**	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	**Project Number**	: 2182207
Lab ID	: WG1388512-5	**Date Collected**	: NA
Client ID	: WG1388512-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 07/02/20 08:26
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: PD
Lab File ID	: V08200702A05	**Instrument ID**	: VOA108
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	**Lab Number**	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	**Project Number**	: 2182207
Lab ID	: WG1388512-5	**Date Collected**	: NA
Client ID	: WG1388512-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 07/02/20 08:26
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: PD
Lab File ID	: V08200702A05	**Instrument ID**	: VOA108
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	**Lab Number**	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	**Project Number**	: 2182207
Lab ID	: WG1388512-5	**Date Collected**	: NA
Client ID	: WG1388512-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 07/02/20 08:26
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: PD
Lab File ID	: V08200702A05	**Instrument ID**	: VOA108
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Tentatively Identified Compounds
Form 1
Volatile Organics by GC/MS

Client	: LaBella Associates, P.C.	**Lab Number**	: L2027694
Project Name	: FORMER WOLLENSACK OPTICAL	**Project Number**	: 2182207
Lab ID	: WG1388512-5	**Date Collected**	: NA
Client ID	: WG1388512-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 07/02/20 08:26
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: PD
Lab File ID	: V08200702A05	**Instrument ID**	: VOA108
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	:	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

Number TICS found: 0 **Concentration Units: ug/L**

CAS Number	Compound Name	RT	EST. CONC.	Qualifier
	NO TENTATIVELY IDENTIFIED COMPOUNDS			

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2020\200701A\
Data File : V22200701A16.D
Acq On : 01 Jul 2020 02:55 pm
Operator : VOA122:AJK
Sample : l2027694-13,31,10,10,,a
Misc : WG1388388,ICAL16903
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jul 01 20:50:27 2020
Quant Method : I:\VOLATILES\VOA122\2020\200701A\V122_200617N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jun 18 17:18:38 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2020\200701A\V22200701A01.D
Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.784	96	179337	10.000	ug/L	0.00
Standard Area 1 = 180591			Recovery = 99.31%			
62) Chlorobenzene-d5	9.306	117	152241	10.000	ug/L	0.00
Standard Area 1 = 157975			Recovery = 96.37%			
83) 1,4-Dichlorobenzene-d4	12.065	152	74568	10.000	ug/L	0.00
Standard Area 1 = 82999			Recovery = 89.84%			
System Monitoring Compounds						
38) Dibromofluoromethane	4.979	113	53004	10.637	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 106.37%			
46) 1,2-Dichloroethane-d4	5.494	65	50741	11.002	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 110.02%			
63) Toluene-d8	7.464	98	202408	9.636	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.36%			
87) 4-Bromofluorobenzene	10.827	95	65018	9.170	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 91.70%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	0.000		0	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	0.000		0	N.D.		
6) Chloroethane	0.000		0	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	0.000		0	N.D.		
12) Freon-113	0.000		0	N.D.		
15) Methylene chloride	0.000		0	N.D.		
17) Acetone	0.000		0	N.D.		
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
19) Methyl acetate	0.000		0	N.D.		
21) Methyl tert-butyl ether	0.000		0	N.D.		
25) 1,1-Dichloroethane	0.000		0	N.D.		
30) cis-1,2-Dichloroethene	0.000		0	N.D.		
32) Bromochloromethane	0.000		0	N.D.		
33) Cyclohexane	0.000		0	N.D.		
34) Chloroform	0.000		0	N.D.		
36) Carbon tetrachloride	0.000		0	N.D.		

Data Path : I:\VOLATILES\VOA122\2020\200701A\
Data File : V22200701A16.D
Acq On : 01 Jul 2020 02:55 pm
Operator : VOA122:AJK
Sample : l2027694-13,31,10,10,,a
Misc : WG1388388,ICAL16903
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jul 01 20:50:27 2020
Quant Method : I:\VOLATILES\VOA122\2020\200701A\V122_200617N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jun 18 17:18:38 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2020\200701A\V22200701A01.D
Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) 1,1,1-Trichloroethane	0.000		0		N.D.	
41) 2-Butanone	0.000		0		N.D.	
44) Benzene	0.000		0		N.D.	
47) 1,2-Dichloroethane	0.000		0		N.D.	
50) Methyl cyclohexane	0.000		0		N.D.	
51) Trichloroethene	0.000		0		N.D.	
54) 1,2-Dichloropropane	0.000		0		N.D.	
57) Bromodichloromethane	0.000		0		N.D.	
60) 1,4-Dioxane	0.000		0		N.D.	
61) cis-1,3-Dichloropropene	0.000		0		N.D.	
64) Toluene	0.000		0		N.D.	
65) 4-Methyl-2-pentanone	0.000		0		N.D.	
66) Tetrachloroethene	0.000		0		N.D.	
68) trans-1,3-Dichloropropene	0.000		0		N.D.	
71) 1,1,2-Trichloroethane	0.000		0		N.D.	
72) Chlorodibromomethane	0.000		0		N.D.	
74) 1,2-Dibromoethane	0.000		0		N.D.	
76) 2-Hexanone	0.000		0		N.D.	
77) Chlorobenzene	0.000		0		N.D.	
78) Ethylbenzene	0.000		0		N.D.	
80) p/m Xylene	0.000		0		N.D.	
81) o Xylene	0.000		0		N.D.	
82) Styrene	0.000		0		N.D.	
84) Bromoform	0.000		0		N.D.	
86) Isopropylbenzene	0.000		0		N.D.	
91) 1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
104) 1,3-Dichlorobenzene	0.000		0		N.D.	
105) 1,4-Dichlorobenzene	0.000		0		N.D.	
108) 1,2-Dichlorobenzene	0.000		0		N.D.	
110) 1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
113) 1,2,4-Trichlorobenzene	0.000		0		N.D.	
115) 1,2,3-Trichlorobenzene	0.000		0		N.D.	

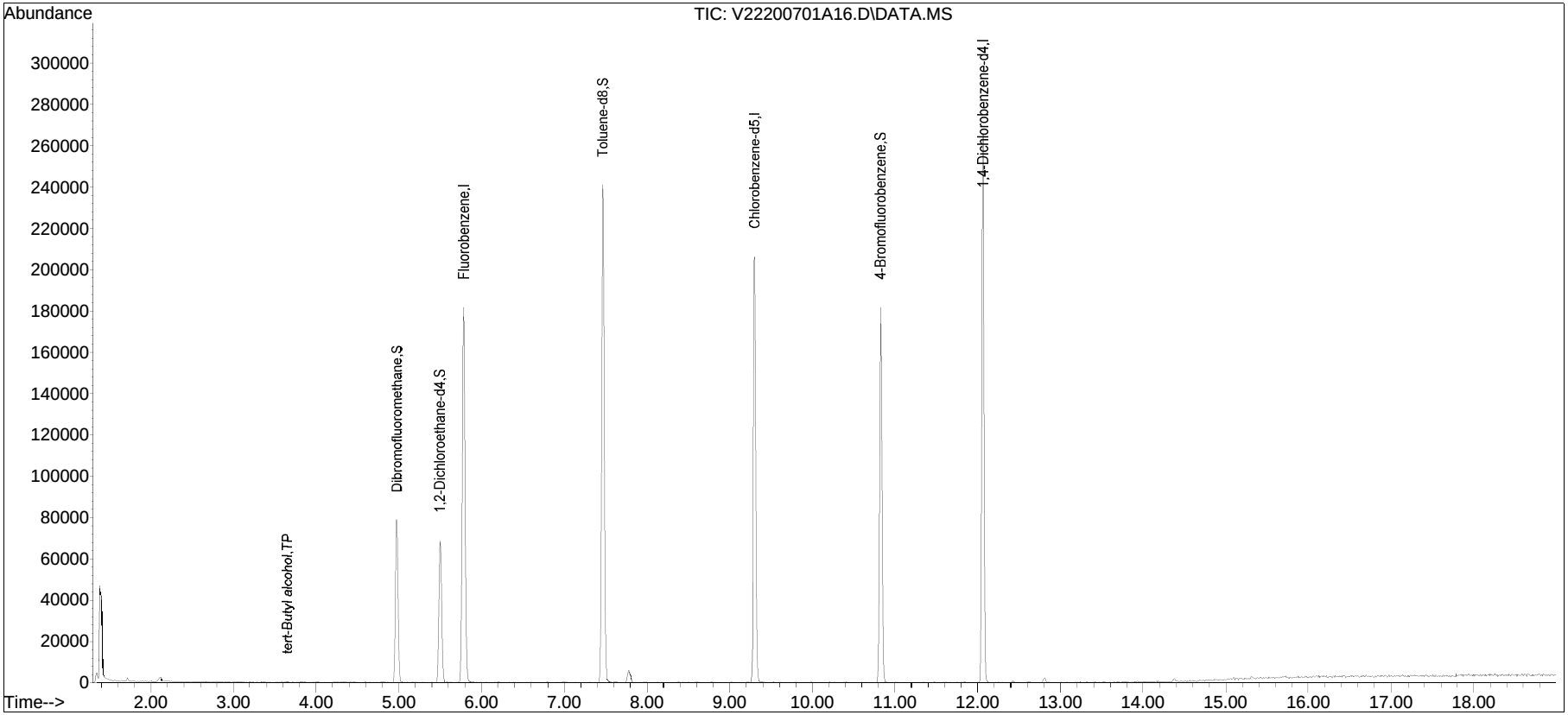
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2020\200701A\
Data File : V22200701A16.D
Acq On : 01 Jul 2020 02:55 pm
Operator : VOA122:AJK
Sample : l2027694-13,31,10,10,,a
Misc : WG1388388,ICAL16903
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jul 01 20:50:27 2020
Quant Method : I:\VOLATILES\VOA122\2020\200701A\V122_200617N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jun 18 17:18:38 2020
Response via : Initial Calibration

Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane



Manual Integration Report

Data Path	: I:\VOLATILES\VOA122\2020\2	QMethod	: V122_200617N_8260.m
Data File	: V22200701A16.D	Operator	: VOA122:AJK
Date Inj'd	: 7/1/2020 2:55 pm	Instrument	: VOA122
Sample	: l2027694-13,31,10,10,,a	Quant Date	: 7/1/2020 8:50 pm

There are no manual integrations or false positives in this file.

LSC Area Percent Report

Data Path : I:\VOLATILES\VOA122\2020\200701A\
Data File : V22200701A16.D
Acq On : 01 Jul 2020 02:55 pm
Operator : VOA122:AJK
Sample : l2027694-13,31,10,10,,a
Misc : WG1388388,ICAL16903
ALS Vial : 18 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 500 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : I:\VOLATILES\VOA122\2020\200701A\V122_200617N_8260.m
Title : VOLATILES BY GC/MS

Signal : TIC: V22200701A16.D\DATA.MS

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.568	33	36	39	rVB	487	909	0.17%	0.037%
2	1.647	44	46	48	rBV	512	589	0.11%	0.024%
3	1.717	52	55	59	rVB	1600	1726	0.32%	0.070%
4	2.115	100	106	111	rVV3	2034	4418	0.82%	0.180%
5	2.201	115	117	122	rVB	430	803	0.15%	0.033%
6	2.521	154	158	164	rBV2	216	604	0.11%	0.025%
7	2.794	192	193	197	rBV	432	588	0.11%	0.024%
8	2.895	203	206	210	rVB2	375	747	0.14%	0.030%
9	2.958	210	214	216	rBV	414	832	0.15%	0.034%
10	3.200	244	245	252	rBB	397	765	0.14%	0.031%
11	3.285	252	256	260	rBB	372	613	0.11%	0.025%
12	3.364	264	266	274	rVB2	534	1191	0.22%	0.048%
13	3.644	297	302	308	rVB3	629	1895	0.35%	0.077%
14	3.723	308	312	314	rBB	445	635	0.12%	0.026%
15	3.964	341	343	347	rBV	354	655	0.12%	0.027%
16	4.011	347	349	353	rVB	342	549	0.10%	0.022%
17	4.105	357	361	363	rBV	323	563	0.10%	0.023%
18	4.456	402	406	412	rVB	363	813	0.15%	0.033%
19	4.737	438	442	447	rBB	319	691	0.13%	0.028%
20	4.807	447	451	456	rBB2	377	978	0.18%	0.040%
21	4.971	461	472	485	rBB	79113	167535	31.17%	6.815%
22	5.159	492	496	500	rBB	380	705	0.13%	0.029%
23	5.283	509	512	516	rVB	427	601	0.11%	0.024%
24	5.494	528	539	548	rBB	68807	142063	26.43%	5.779%
25	5.588	549	551	557	rBB	322	719	0.13%	0.029%
26	5.784	564	572	582	rBV	181679	369661	68.77%	15.036%
27	6.338	634	636	641	rBB	374	551	0.10%	0.022%
28	6.917	698	703	706	rBB	330	717	0.13%	0.029%

LSC Area Percent Report

Data Path : I:\VOLATILES\VOA122\2020\200701A\
Data File : V22200701A16.D
Acq On : 01 Jul 2020 02:55 pm
Operator : VOA122:AJK
Sample : l2027694-13,31,10,10,,a
Misc : WG1388388,ICAL16903
ALS Vial : 18 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 500 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : I:\VOLATILES\VOA122\2020\200701A\V122_200617N_8260.m
Title : VOLATILES BY GC/MS

29	7.003	708	713	717	rBB	392	928	0.17%	0.038%
30	7.464	754	765	782	rBB	241309	537558	100.00%	21.866%
31	7.776	797	805	815	rBV2	5576	14847	2.76%	0.604%
32	7.972	827	830	837	rBB	217	601	0.11%	0.024%
33	8.385	879	883	886	rBB	351	555	0.10%	0.023%
34	9.306	994	1001	1012	rBV	206386	423832	78.84%	17.240%
35	10.827	1185	1194	1206	rBB	181908	317168	59.00%	12.901%
36	11.749	1308	1312	1317	rBB	380	590	0.11%	0.024%
37	12.065	1343	1353	1366	rBB	266250	418830	77.91%	17.036%
38	12.434	1403	1406	1410	rBB2	915	1137	0.21%	0.046%
39	12.810	1452	1460	1470	rBB	2120	4355	0.81%	0.177%
40	13.081	1492	1499	1501	rBB	508	652	0.12%	0.027%
41	13.325	1531	1534	1538	rBV	519	824	0.15%	0.034%
42	13.415	1542	1547	1549	rBB	383	508	0.09%	0.021%
43	13.478	1551	1556	1558	rBV	368	593	0.11%	0.024%
44	13.527	1560	1563	1566	rVB	459	809	0.15%	0.033%
45	13.631	1574	1578	1584	rBB	357	910	0.17%	0.037%
46	13.708	1584	1589	1594	rBB2	574	1422	0.26%	0.058%
47	13.798	1601	1602	1606	rBB2	550	533	0.10%	0.022%
48	13.854	1607	1610	1613	rBB2	563	508	0.09%	0.021%
49	13.882	1613	1614	1621	rBV	522	1037	0.19%	0.042%
50	14.376	1681	1685	1688	rBV	1608	3045	0.57%	0.124%
51	14.508	1701	1704	1706	rVB	433	564	0.10%	0.023%
52	14.564	1709	1712	1715	rVV2	646	595	0.11%	0.024%
53	14.633	1715	1722	1724	rVB	452	990	0.18%	0.040%
54	14.682	1724	1729	1733	rBV	813	1824	0.34%	0.074%
55	14.738	1734	1737	1738	rVB	623	634	0.12%	0.026%
56	14.766	1738	1741	1743	rBV2	668	995	0.19%	0.040%
57	15.030	1769	1779	1781	rBV2	719	2290	0.43%	0.093%
58	15.093	1785	1788	1790	rVB3	1328	1504	0.28%	0.061%
59	15.135	1790	1794	1796	rVB3	1003	1692	0.31%	0.069%
60	15.183	1796	1801	1804	rBV4	1047	2522	0.47%	0.103%

LSC Area Percent Report

Data Path : I:\VOLATILES\VOA122\2020\200701A\
Data File : V22200701A16.D
Acq On : 01 Jul 2020 02:55 pm
Operator : VOA122:AJK
Sample : l2027694-13,31,10,10,,a
Misc : WG1388388,ICAL16903
ALS Vial : 18 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 500 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : I:\VOLATILES\VOA122\2020\200701A\V122_200617N_8260.m
Title : VOLATILES BY GC/MS

61	15.309	1816	1819	1827	rBV3	1229	2788	0.52%	0.113%
62	15.413	1833	1834	1838	rVB3	629	780	0.15%	0.032%
63	15.789	1885	1888	1890	rBV3	780	1232	0.23%	0.050%
64	16.060	1925	1927	1930	rBV2	654	927	0.17%	0.038%
65	16.109	1931	1934	1936	rVB3	878	1134	0.21%	0.046%
66	16.311	1960	1963	1964	rBV2	883	1130	0.21%	0.046%
67	18.650	2298	2299	2306	rBV4	1190	2474	0.46%	0.101%

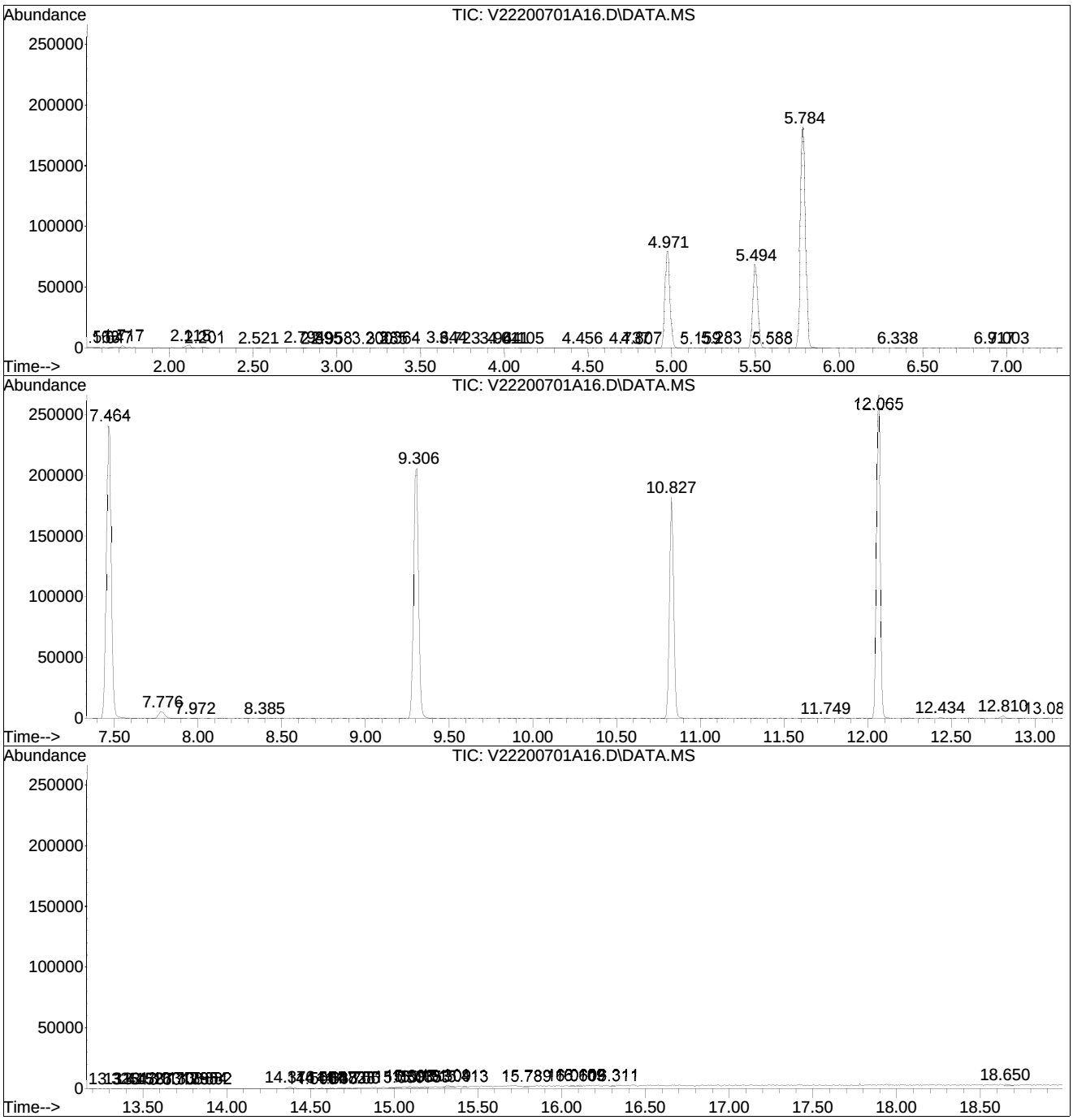
Sum of corrected areas: 2458433

LSC Report - Integrated Chromatogram

Data Path : I:\VOLATILES\VOA122\2020\200701A\
Data File : V22200701A16.D
Acq On : 01 Jul 2020 02:55 pm
Operator : VOA122:AJK
Sample : l2027694-13,31,10,10,,a
Misc : WG1388388,ICAL16903
ALS Vial : 18 Sample Multiplier: 1

Quant Method : I:\VOLATILES\VOA122\2020\200701A\V122_200617N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p



Library Search Compound Report

Data Path : I:\VOLATILES\VOA122\2020\200701A\
Data File : V22200701A16.D
Acq On : 01 Jul 2020 02:55 pm
Operator : VOA122:AJK
Sample : l2027694-13,31,10,10,,a
Misc : WG1388388,ICAL16903
ALS Vial : 18 Sample Multiplier: 1

Quant Method : I:\VOLATILES\VOA122\2020\200701A\V122_200617N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : I:\VOLATILES\VOA122\2020\200701A\
Data File : V22200701A16.D
Acq On : 01 Jul 2020 02:55 pm
Operator : VOA122:AJK
Sample : l2027694-13,31,10,10,,a
Misc : WG1388388,ICAL16903
ALS Vial : 18 Sample Multiplier: 1

Quant Method : I:\VOLATILES\VOA122\2020\200701A\V122_200617N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

						Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Quantitation Report (QT/LSC Reviewed)

Data Path : I:\VOLATILES\VOA122\2020\200701A\
Data File : V22200701A17.D
Acq On : 01 Jul 2020 03:19 pm
Operator : VOA122:AJK
Sample : l2027694-11D,31,1,10,,a
Misc : WG1388388,ICAL16903
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jul 01 20:59:50 2020
Quant Method : I:\VOLATILES\VOA122\2020\200701A\V122_200617N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jun 18 17:18:38 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2020\200701A\V22200701A01.D
Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.784	96	182773	10.000 ug/L	0.00
Standard Area 1 = 180591			Recovery = 101.21%		
62) Chlorobenzene-d5	9.306	117	155357	10.000 ug/L	0.00
Standard Area 1 = 157975			Recovery = 98.34%		
83) 1,4-Dichlorobenzene-d4	12.065	152	76271	10.000 ug/L	0.00
Standard Area 1 = 82999			Recovery = 91.89%		
System Monitoring Compounds					
38) Dibromofluoromethane	4.971	113	54548	10.741 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 107.41%		
46) 1,2-Dichloroethane-d4	5.494	65	51169	10.886 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 108.86%		
63) Toluene-d8	7.464	98	203666	9.501 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.01%		
87) 4-Bromofluorobenzene	10.827	95	65071	8.973 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 89.73%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.	
3) Chloromethane	0.000		0	N.D.	
4) Vinyl chloride	0.000		0	N.D.	
5) Bromomethane	0.000		0	N.D.	
6) Chloroethane	0.000		0	N.D.	
7) Trichlorofluoromethane	0.000		0	N.D.	
10) 1,1-Dichloroethene	0.000		0	N.D.	
11) Carbon disulfide	2.801	76	2958	0.330 ug/L #	73
12) Freon-113	0.000		0	N.D.	
15) Methylene chloride	0.000		0	N.D.	
17) Acetone	3.356	43	6996	9.362 ug/L	97
18) trans-1,2-Dichloroethene	0.000		0	N.D.	
19) Methyl acetate	0.000		0	N.D. d	
21) Methyl tert-butyl ether	0.000		0	N.D.	
25) 1,1-Dichloroethane	0.000		0	N.D.	
30) cis-1,2-Dichloroethene	0.000		0	N.D.	
32) Bromochloromethane	0.000		0	N.D.	
33) Cyclohexane	0.000		0	N.D.	
34) Chloroform	4.799	83	4287	0.660 ug/L #	94
36) Carbon tetrachloride	0.000		0	N.D.	

Quantitation Report (QT/LSC Reviewed)

Data Path : I:\VOLATILES\VOA122\2020\200701A\
Data File : V22200701A17.D
Acq On : 01 Jul 2020 03:19 pm
Operator : VOA122:AJK
Sample : l2027694-11D,31,1,10,,a
Misc : WG1388388,ICAL16903
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jul 01 20:59:50 2020
Quant Method : I:\VOLATILES\VOA122\2020\200701A\V122_200617N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jun 18 17:18:38 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2020\200701A\V22200701A01.D
Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) 1,1,1-Trichloroethane	0.000		0	N.D.		
41) 2-Butanone	5.104	43	1365	1.117	ug/L #	22
44) Benzene	5.369	78	834	N.D.		
47) 1,2-Dichloroethane	0.000		0	N.D.		
50) Methyl cyclohexane	0.000		0	N.D.		
51) Trichloroethene	0.000		0	N.D.		
54) 1,2-Dichloropropane	0.000		0	N.D.		
57) Bromodichloromethane	0.000		0	N.D.		
60) 1,4-Dioxane	0.000		0	N.D.		
61) cis-1,3-Dichloropropene	0.000		0	N.D.		
64) Toluene	0.000		0	N.D.		
65) 4-Methyl-2-pentanone	0.000		0	N.D.		
66) Tetrachloroethene	0.000		0	N.D.		
68) trans-1,3-Dichloropropene	0.000		0	N.D.		
71) 1,1,2-Trichloroethane	0.000		0	N.D.		
72) Chlorodibromomethane	0.000		0	N.D.		
74) 1,2-Dibromoethane	0.000		0	N.D.		
76) 2-Hexanone	0.000		0	N.D.	d	
77) Chlorobenzene	0.000		0	N.D.		
78) Ethylbenzene	0.000		0	N.D.		
80) p/m Xylene	0.000		0	N.D.		
81) o Xylene	0.000		0	N.D.		
82) Styrene	0.000		0	N.D.		
84) Bromoform	0.000		0	N.D.		
86) Isopropylbenzene	0.000		0	N.D.		
91) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
104) 1,3-Dichlorobenzene	0.000		0	N.D.		
105) 1,4-Dichlorobenzene	0.000		0	N.D.		
108) 1,2-Dichlorobenzene	0.000		0	N.D.		
110) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
113) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
115) 1,2,3-Trichlorobenzene	0.000		0	N.D.		

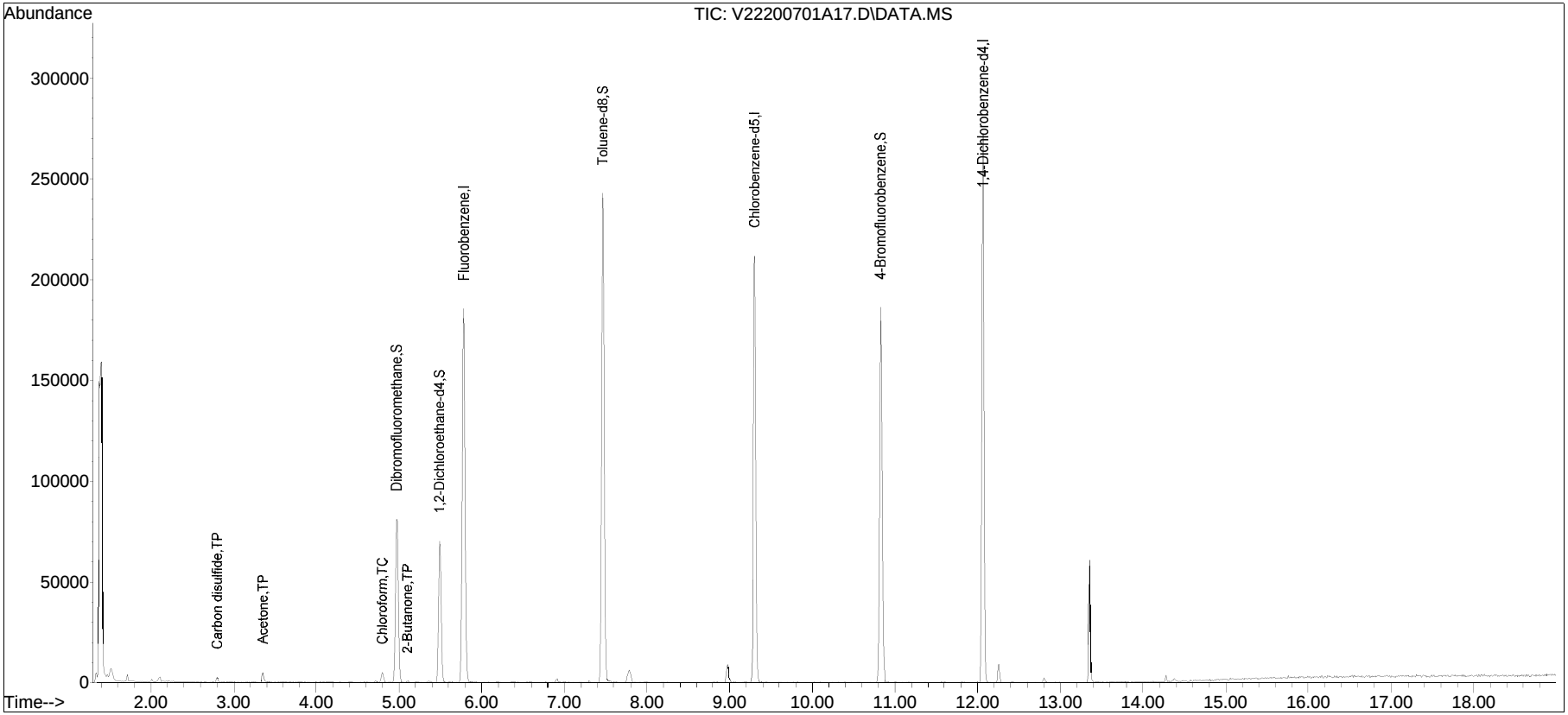
(#) = qualifier out of range (m) = manual integration (+) = signals summed

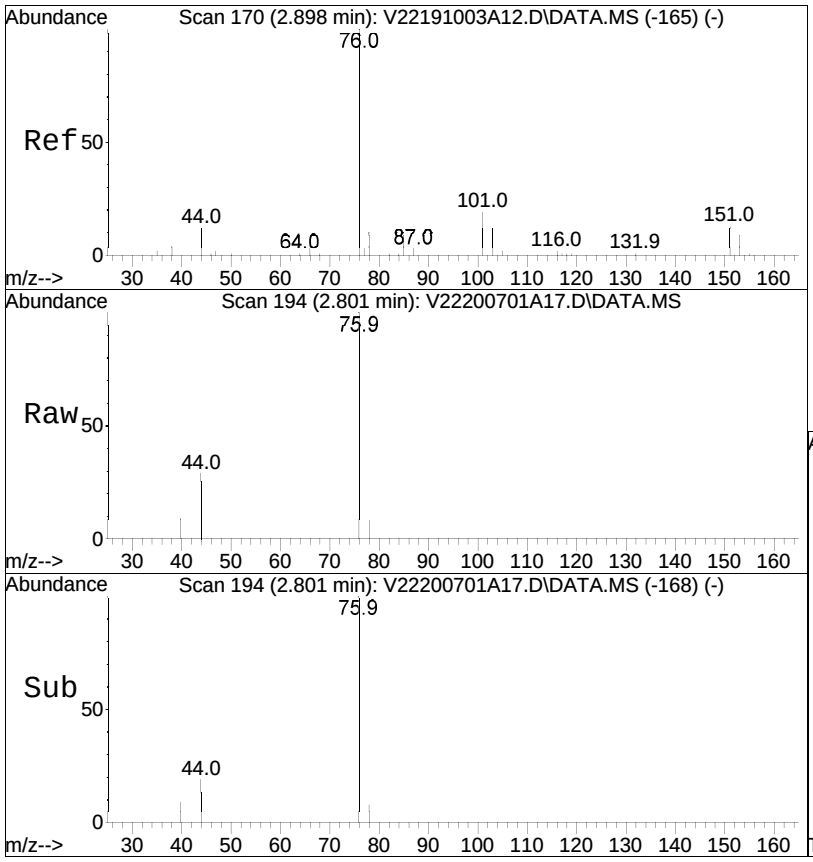
Quantitation Report (QT/LSC Reviewed)

Data Path : I:\VOLATILES\VOA122\2020\200701A\
Data File : V22200701A17.D
Acq On : 01 Jul 2020 03:19 pm
Operator : VOA122:AJK
Sample : l2027694-11D,31,1,10,,a
Misc : WG1388388,ICAL16903
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jul 01 20:59:50 2020
Quant Method : I:\VOLATILES\VOA122\2020\200701A\V122_200617N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jun 18 17:18:38 2020
Response via : Initial Calibration

Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

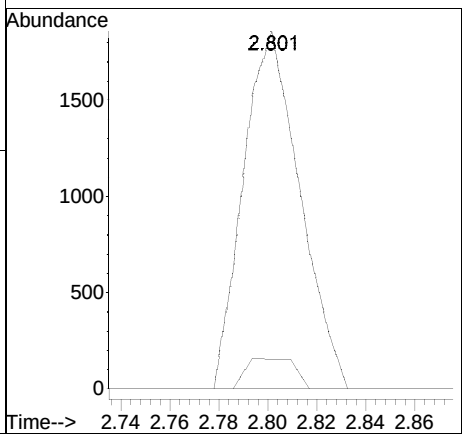


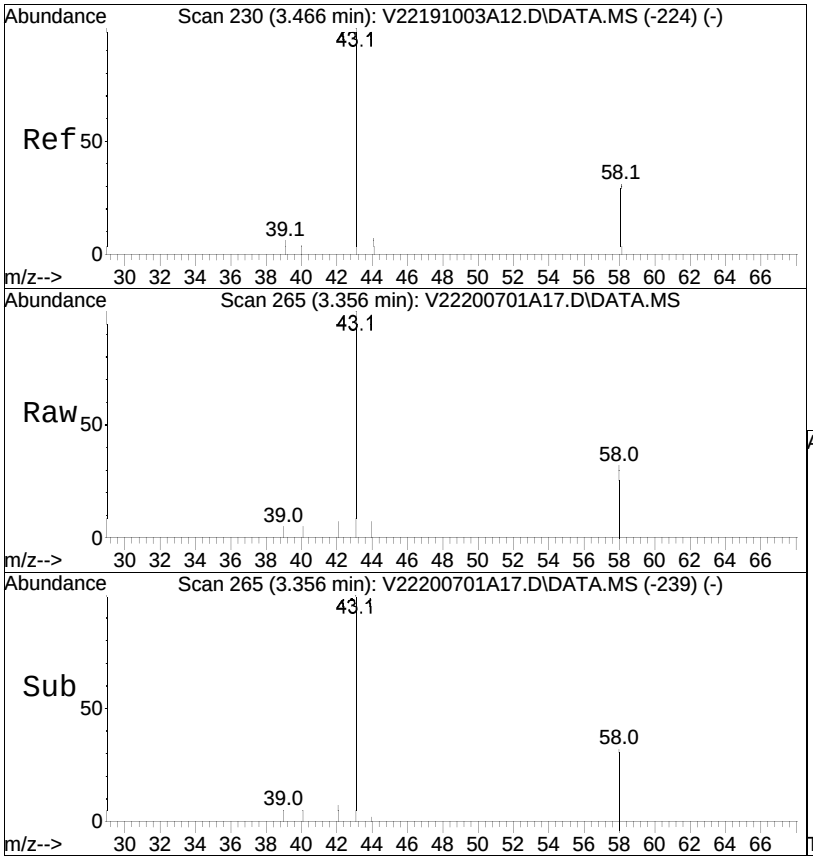


#11
Carbon disulfide
Concen: 0.33 ug/L
RT: 2.801 min Scan# 194
Delta R.T. -0.001 min
Lab File: V22200701A17.D
Acq: 01 Jul 2020 03:19 pm

Tgt Ion: 76 Resp: 2958

Ion	Ratio	Lower	Upper
76	100		
78	0.0	6.4	13.4#

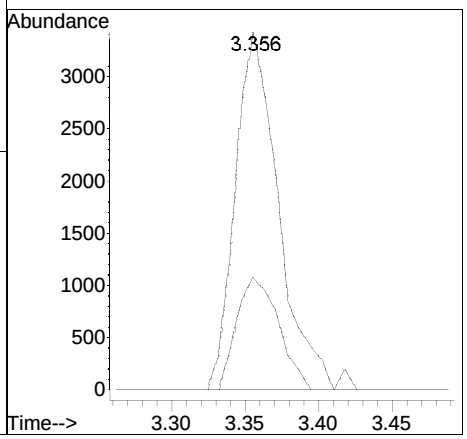


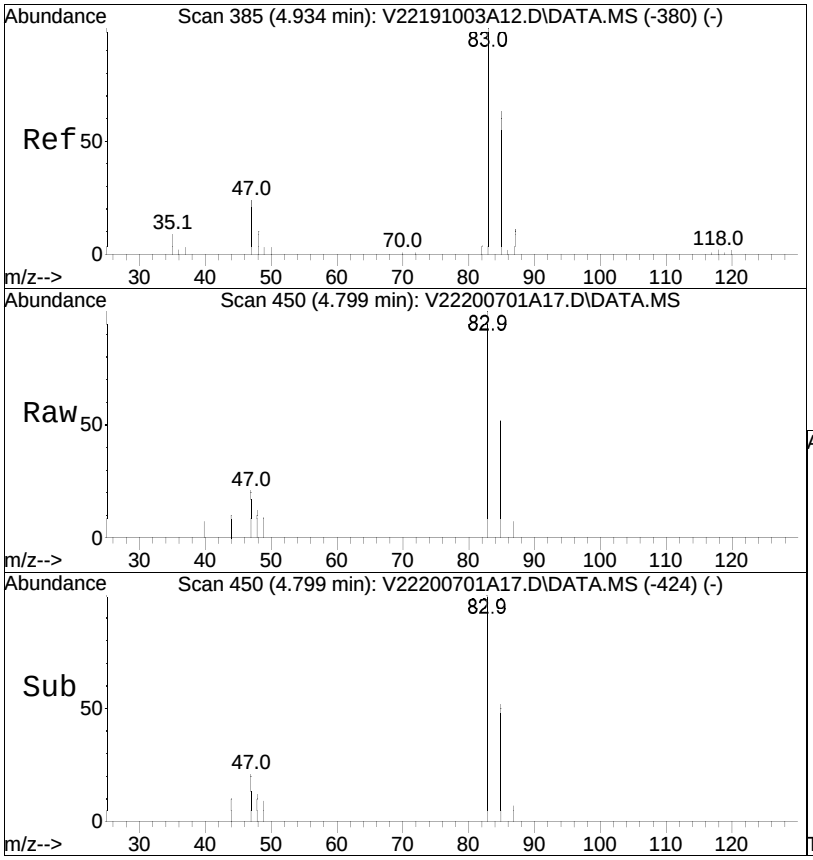


#17
Acetone
Concen: 9.36 ug/L
RT: 3.356 min Scan# 265
Delta R.T. -0.000 min
Lab File: V22200701A17.D
Acq: 01 Jul 2020 03:19 pm

Tgt Ion: 43 Resp: 6996

Ion	Ratio	Lower	Upper
43	100		
58	30.3	23.1	34.7

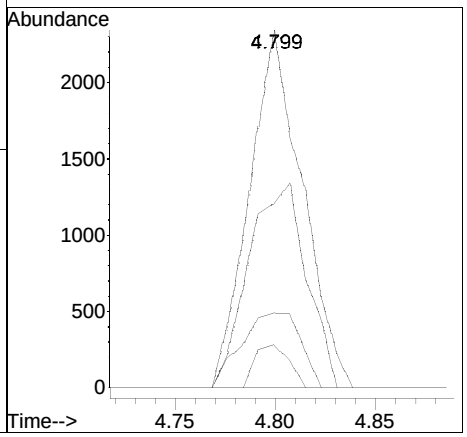


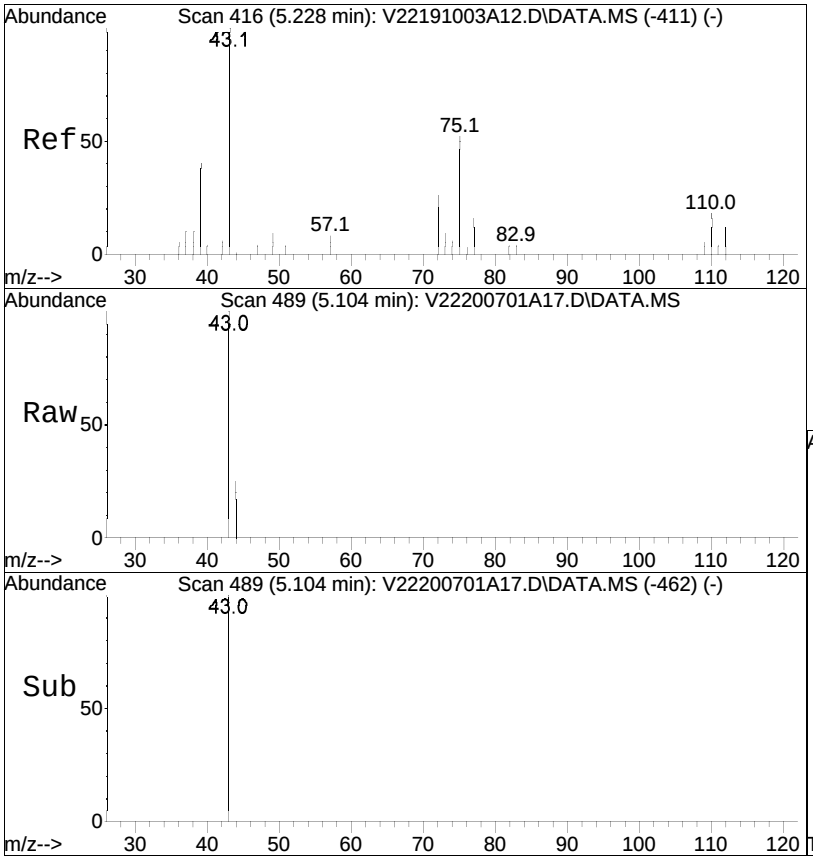


#34
Chloroform
Concen: 0.66 ug/L
RT: 4.799 min Scan# 450
Delta R.T. -0.001 min
Lab File: V22200701A17.D
Acq: 01 Jul 2020 03:19 pm

Tgt Ion: 83 Resp: 4287

Ion	Ratio	Lower	Upper
83	100		
85	62.4	42.4	88.2
47	23.4	14.0	29.0
48	0.0	6.9	14.3#

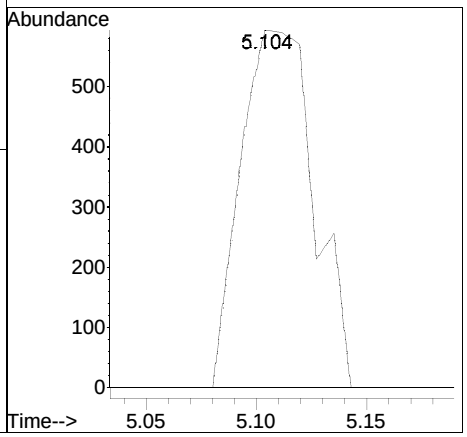




#41
2-Butanone
Concen: 1.12 ug/L
RT: 5.104 min Scan# 489
Delta R.T. 0.008 min
Lab File: V22200701A17.D
Acq: 01 Jul 2020 03:19 pm

Tgt Ion: 43 Resp: 1365

Ion	Ratio	Lower	Upper
43	100		
72	0.0	45.8	68.8#



Manual Integration Report

Data Path	: I:\VOLATILES\VOA122\2020\2	QMethod	: V122_200617N_8260.m
Data File	: V22200701A17.D	Operator	: VOA122:AJK
Date Inj'd	: 7/1/2020 3:19 pm	Instrument	: VOA122
Sample	: l2027694-11D,31,1,10,,a	Quant Date	: 7/1/2020 8:50 pm

There are no manual integrations or false positives in this file.

LSC Area Percent Report

Data Path : I:\VOLATILES\VOA122\2020\200701A\
Data File : V22200701A17.D
Acq On : 01 Jul 2020 03:19 pm
Operator : VOA122:AJK
Sample : l2027694-11D,31,1,10,,a
Misc : WG1388388,ICAL16903
ALS Vial : 19 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 500 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : I:\VOLATILES\VOA122\2020\200701A\V122_200617N_8260.m
Title : VOLATILES BY GC/MS

Signal : TIC: V22200701A17.D\DATA.MS

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.717	49	55	59	rBV2	3627	4511	0.83%	0.168%
2	1.764	59	61	69	rVB	610	1776	0.33%	0.066%
3	2.021	89	94	100	rVB	1168	2194	0.41%	0.082%
4	2.123	100	107	110	rBV2	2320	4659	0.86%	0.174%
5	2.216	118	119	123	rBV	479	569	0.11%	0.021%
6	2.403	140	143	146	rBV2	264	520	0.10%	0.019%
7	2.762	185	189	190	rVB	393	603	0.11%	0.023%
8	2.801	190	194	200	rBV	2705	5240	0.97%	0.196%
9	2.872	200	203	207	rVB	409	973	0.18%	0.036%
10	2.926	207	210	211	rBV	372	517	0.10%	0.019%
11	3.098	229	232	235	rBB	369	653	0.12%	0.024%
12	3.160	235	240	243	rBB	423	944	0.17%	0.035%
13	3.223	243	248	249	rBV	368	597	0.11%	0.022%
14	3.356	255	265	271	rBV	5183	10181	1.88%	0.380%
15	3.418	271	273	277	rVB	557	969	0.18%	0.036%
16	3.504	281	284	288	rBB	361	732	0.14%	0.027%
17	3.754	313	316	319	rBB	385	656	0.12%	0.024%
18	3.824	319	325	327	rBB	428	917	0.17%	0.034%
19	3.863	327	330	333	rBB	416	588	0.11%	0.022%
20	3.918	333	337	338	rBB	391	567	0.10%	0.021%
21	4.159	365	368	374	rVB2	386	1271	0.23%	0.047%
22	4.284	380	384	386	rBV	388	741	0.14%	0.028%
23	4.394	395	398	401	rBV2	364	670	0.12%	0.025%
24	4.714	431	439	445	rBV	849	2325	0.43%	0.087%
25	4.799	445	450	459	rVB	5079	10188	1.88%	0.380%
26	4.885	459	461	466	rBB	426	703	0.13%	0.026%
27	4.971	466	472	483	rBB	81223	170426	31.49%	6.360%
28	5.112	483	490	496	rBB2	939	2418	0.45%	0.090%

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Misc : WG1388388,ICAL16903
ALS Vial : 19 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 500 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : I:\VOLATILES\VOA122\2020\200701A\V122_200617N_8260.m
Title : VOLATILES BY GC/MS

29	5.213	501	503	506	rBB2	377	600	0.11%	0.022%
30	5.361	518	522	528	rBB	717	1618	0.30%	0.060%
31	5.494	532	539	551	rVB	70273	144421	26.69%	5.389%
32	5.698	558	562	565	rVB	321	628	0.12%	0.023%
33	5.784	565	572	589	rBB	185757	375947	69.47%	14.029%
34	6.372	636	640	645	rBB	317	701	0.13%	0.026%
35	6.545	656	660	663	rBB	380	750	0.14%	0.028%
36	6.908	698	702	709	rBB	1707	3475	0.64%	0.130%
37	7.012	709	714	716	rBB	386	655	0.12%	0.024%
38	7.107	721	725	730	rBV	242	717	0.13%	0.027%
39	7.306	739	748	752	rBV2	853	2082	0.38%	0.078%
40	7.464	758	765	781	rBB	242921	541141	100.00%	20.194%
41	7.784	799	806	812	rBB	5978	15220	2.81%	0.568%
42	8.252	861	866	870	rBB	398	823	0.15%	0.031%
43	8.557	902	905	913	rBB	309	644	0.12%	0.024%
44	8.814	932	938	940	rBV	344	518	0.10%	0.019%
45	8.978	951	959	966	rBV	8672	18046	3.33%	0.673%
46	9.072	966	971	977	rVB	416	1057	0.20%	0.039%
47	9.181	981	985	991	rBB	374	890	0.16%	0.033%
48	9.306	992	1001	1013	rBV	212086	429518	79.37%	16.029%
49	9.696	1046	1051	1054	rBB	351	568	0.10%	0.021%
50	9.766	1055	1060	1063	rBB	372	560	0.10%	0.021%
51	10.827	1186	1194	1204	rBV	186411	345314	63.81%	12.886%
52	11.093	1222	1228	1231	rBB	314	656	0.12%	0.024%
53	11.538	1276	1285	1286	rBB	185	610	0.11%	0.023%
54	11.842	1321	1324	1330	rBB	353	841	0.16%	0.031%
55	12.065	1347	1353	1364	rBV	272822	420902	77.78%	15.707%
56	12.253	1374	1380	1387	rBB	9148	13761	2.54%	0.514%
57	12.329	1387	1391	1396	rBB	347	652	0.12%	0.024%
58	12.427	1401	1405	1408	rBB2	532	766	0.14%	0.029%
59	12.629	1431	1434	1440	rBB2	339	561	0.10%	0.021%
60	12.803	1453	1459	1467	rVB2	2324	3930	0.73%	0.147%

LSC Area Percent Report

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Data File : V22200701A17.D
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Sample : l2027694-11D,31,1,10,,a
Misc : WG1388388,ICAL16903
ALS Vial : 19 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 500 Area counts
Start Thrs: 0.2 Max Peaks: 100
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If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : I:\VOLATILES\VOA122\2020\200701A\V122_200617N_8260.m
Title : VOLATILES BY GC/MS

61	12.942	1477	1479	1483	rBB	402	590	0.11%	0.022%
62	13.353	1532	1538	1547	rBV	60784	80461	14.87%	3.003%
63	13.443	1547	1551	1554	rVB	386	824	0.15%	0.031%
64	13.520	1560	1562	1566	rVB	534	651	0.12%	0.024%
65	13.742	1593	1594	1600	rVB	604	950	0.18%	0.035%
66	13.805	1600	1603	1605	rBB	373	547	0.10%	0.020%
67	13.861	1608	1611	1616	rBV	542	1194	0.22%	0.045%
68	13.909	1616	1618	1622	rBV	390	548	0.10%	0.020%
69	13.986	1622	1629	1630	rBV	346	691	0.13%	0.026%
70	14.056	1636	1639	1643	rVB2	386	672	0.12%	0.025%
71	14.278	1668	1671	1674	rBV	3307	3680	0.68%	0.137%
72	14.376	1677	1685	1692	rBV2	1705	4701	0.87%	0.175%
73	14.473	1695	1699	1701	rBV	689	881	0.16%	0.033%
74	14.501	1701	1703	1707	rVB	608	898	0.17%	0.034%
75	14.578	1709	1714	1717	rBV	750	949	0.18%	0.035%
76	14.612	1717	1719	1721	rBV	549	605	0.11%	0.023%
77	14.766	1739	1741	1744	rVV2	480	592	0.11%	0.022%
78	14.807	1744	1747	1748	rVB3	862	754	0.14%	0.028%
79	14.863	1753	1755	1757	rBV2	721	915	0.17%	0.034%
80	14.884	1757	1758	1763	rBV3	549	991	0.18%	0.037%
81	14.940	1764	1766	1768	rBV3	611	518	0.10%	0.019%
82	15.051	1780	1782	1783	rBV	1103	821	0.15%	0.031%
83	15.441	1836	1838	1840	rBV3	404	527	0.10%	0.020%
84	15.754	1882	1883	1885	rBV2	1296	720	0.13%	0.027%
85	15.900	1901	1904	1906	rBV3	886	1431	0.26%	0.053%
86	16.060	1924	1927	1928	rBV	874	1038	0.19%	0.039%
87	16.144	1937	1939	1940	rBV2	754	576	0.11%	0.021%
88	16.213	1945	1949	1950	rBV2	751	1231	0.23%	0.046%
89	16.234	1950	1952	1954	rBV3	1152	1065	0.20%	0.040%
90	16.381	1971	1973	1977	rVB3	881	1525	0.28%	0.057%
91	16.562	1997	1999	2003	rBV3	871	920	0.17%	0.034%

LSC Area Percent Report

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Data File : V22200701A17.D
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Sample : l2027694-11D,31,1,10,,a
Misc : WG1388388,ICAL16903
ALS Vial : 19 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 500 Area counts
Start Thrs: 0.2 Max Peaks: 100
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If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : I:\VOLATILES\VOA122\2020\200701A\V122_200617N_8260.m
Title : VOLATILES BY GC/MS

92	17.306	2104	2106	2111	rBV5	1322	1994	0.37%	0.074%
93	17.390	2115	2118	2123	rBV4	1181	2479	0.46%	0.093%
94	17.487	2129	2132	2133	rBV3	1128	1041	0.19%	0.039%
95	17.731	2164	2167	2171	rBV4	937	2024	0.37%	0.076%
96	18.058	2213	2214	2217	rBV3	1183	1174	0.22%	0.044%
97	18.086	2217	2218	2221	rVV3	1031	1256	0.23%	0.047%
98	18.705	2305	2307	2311	rBV5	911	1588	0.29%	0.059%

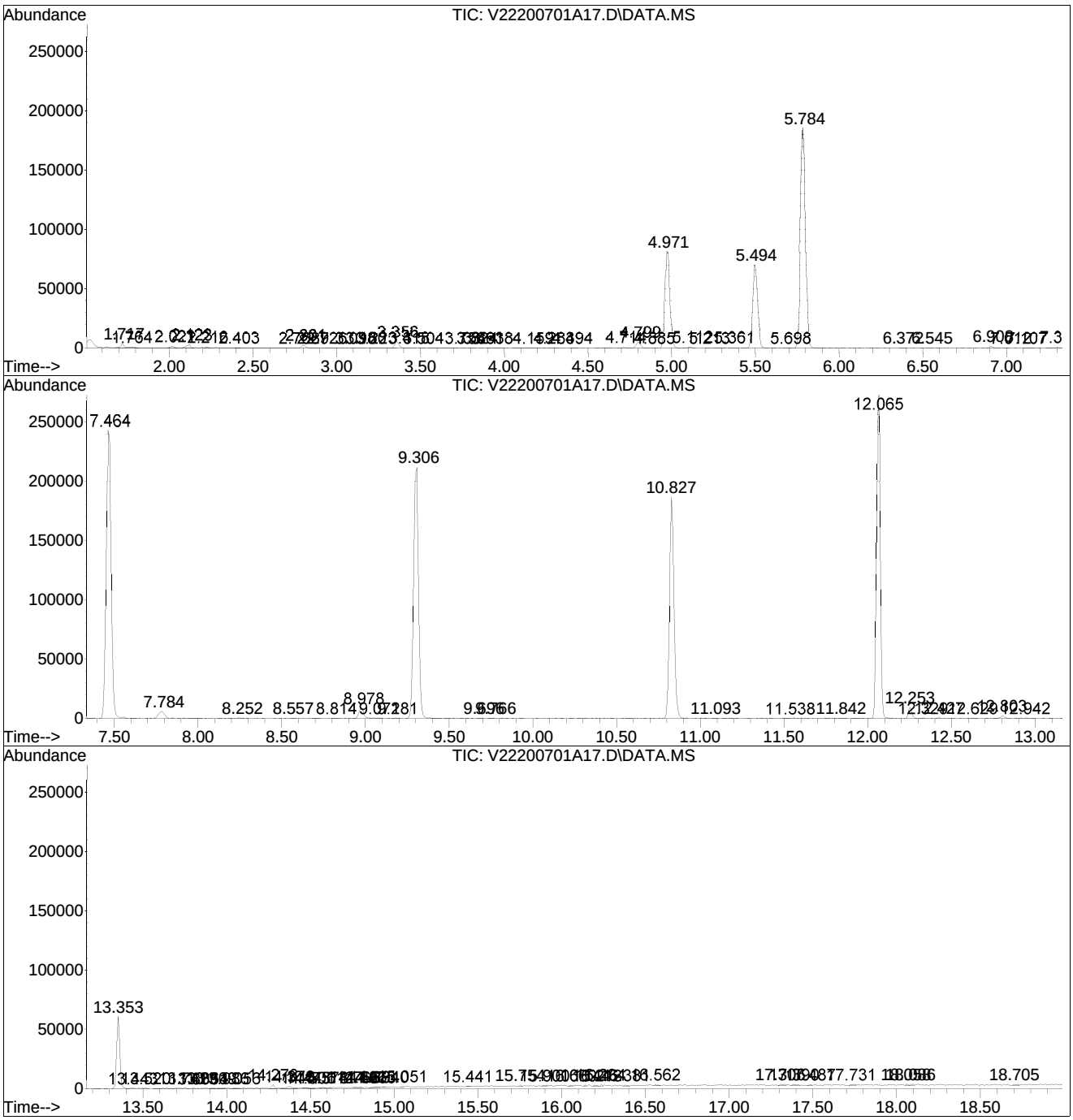
Sum of corrected areas: 2679702

LSC Report - Integrated Chromatogram

Data Path : I:\VOLATILES\VOA122\2020\200701A\
Data File : V22200701A17.D
Acq On : 01 Jul 2020 03:19 pm
Operator : VOA122:AJK
Sample : l2027694-11D,31,1,10,,a
Misc : WG1388388,ICAL16903
ALS Vial : 19 Sample Multiplier: 1

Quant Method : I:\VOLATILES\VOA122\2020\200701A\V122_200617N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p



Data Path : I:\VOLATILES\VOA122\2020\200701A\
Data File : V22200701A17.D
Acq On : 01 Jul 2020 03:19 pm
Operator : VOA122:AJK
Sample : l2027694-11D,31,1,10,,a
Misc : WG1388388,ICAL16903
ALS Vial : 19 Sample Multiplier: 1

Quant Method : I:\VOLATILES\VOA122\2020\200701A\V122_200617N_8260.m
Quant Title : VOLATILES BY GC/MS

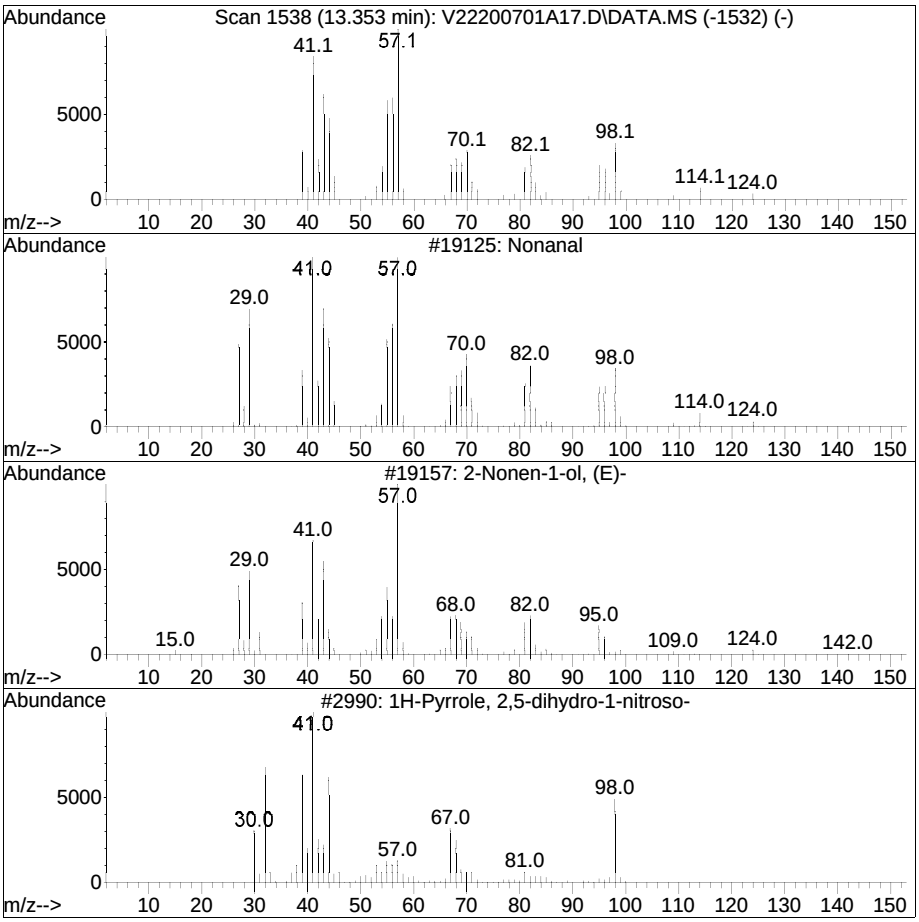
TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

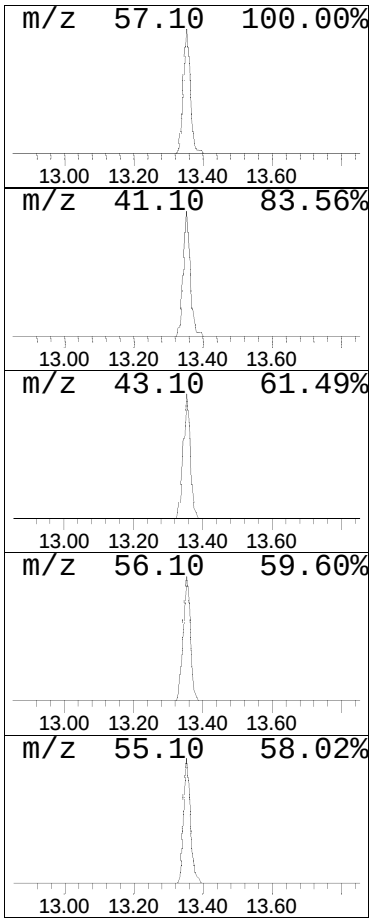
****

Peak Number 1 Nonanal Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.352	1.91 ug/L	80461	1,4-Dichlorobenzene-d4	12.065

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonanal	142	C9H18O	000124-19-6	91
2	2-Nonen-1-ol, (E)-	142	C9H18O	031502-14-4	46
3	1H-Pyrrole, 2,5-dihydro-1-nitroso-	98	C4H6N2O	010552-94-0	38
4	2-Nonen-1-ol	142	C9H18O	022104-79-6	38
5	2-Hexene, 5-methyl-, (E)-	98	C7H14	007385-82-2	27





Tentatively Identified Compound (LSC) summary

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Misc : WG1388388,ICAL16903
ALS Vial : 19 Sample Multiplier: 1

Quant Method : I:\VOLATILES\VOA122\2020\200701A\V122_200617N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Nonanal	13.352	1.9	ug/L	80461	3	12.065	420902	10.0

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2020\200701A\
Data File : V22200701A20.D
Acq On : 01 Jul 2020 04:33 pm
Operator : VOA122:AJK
Sample : l2027694-03D,31,0.4,10,,a
Misc : WG1388388,ICAL16903
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jul 01 21:04:56 2020
Quant Method : I:\VOLATILES\VOA122\2020\200701A\V122_200617N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jun 18 17:18:38 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2020\200701A\V22200701A01.D
Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.784	96	174206	10.000	ug/L	0.00
Standard Area 1 = 180591			Recovery = 96.46%			
62) Chlorobenzene-d5	9.306	117	153349	10.000	ug/L	0.00
Standard Area 1 = 157975			Recovery = 97.07%			
83) 1,4-Dichlorobenzene-d4	12.065	152	74225	10.000	ug/L	0.00
Standard Area 1 = 82999			Recovery = 89.43%			
System Monitoring Compounds						
38) Dibromofluoromethane	4.979	113	51127	10.562	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.62%			
46) 1,2-Dichloroethane-d4	5.494	65	49818	11.120	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 111.20%			
63) Toluene-d8	7.464	98	197164	9.319	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 93.19%			
87) 4-Bromofluorobenzene	10.827	95	63778	9.037	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 90.37%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	0.000		0	N.D.		
4) Vinyl chloride	1.764	62	5007	1.268	ug/L	94
5) Bromomethane	0.000		0	N.D.		
6) Chloroethane	0.000		0	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
10) 1,1-Dichloroethene	2.778	96	1400	0.406	ug/L #	80
11) Carbon disulfide	0.000		0	N.D.		
12) Freon-113	0.000		0	N.D.		
15) Methylene chloride	0.000		0	N.D.		
17) Acetone	3.363	43	596	0.837	ug/L #	46
18) trans-1,2-Dichloroethene	3.465	96	1398	0.370	ug/L	95
19) Methyl acetate	0.000		0	N.D. d		
21) Methyl tert-butyl ether	0.000		0	N.D.		
25) 1,1-Dichloroethane	0.000		0	N.D.		
30) cis-1,2-Dichloroethene	4.542	96	452024	110.710	ug/L #	86
32) Bromochloromethane	0.000		0	N.D.		
33) Cyclohexane	0.000		0	N.D.		
34) Chloroform	0.000		0	N.D.		
36) Carbon tetrachloride	0.000		0	N.D.		

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Misc : WG1388388,ICAL16903
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jul 01 21:04:56 2020
Quant Method : I:\VOLATILES\VOA122\2020\200701A\V122_200617N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jun 18 17:18:38 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2020\200701A\V22200701A01.D
Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) 1,1,1-Trichloroethane	0.000		0	N.D.		
41) 2-Butanone	0.000		0	N.D.		
44) Benzene	0.000		0	N.D.		
47) 1,2-Dichloroethane	0.000		0	N.D.		
50) Methyl cyclohexane	0.000		0	N.D.		
51) Trichloroethene	5.957	95	2212	0.526	ug/L	86
54) 1,2-Dichloropropane	0.000		0	N.D.		
57) Bromodichloromethane	0.000		0	N.D.		
60) 1,4-Dioxane	0.000		0	N.D.		
61) cis-1,3-Dichloropropene	0.000		0	N.D.		
64) Toluene	0.000		0	N.D.		
65) 4-Methyl-2-pentanone	0.000		0	N.D.		
66) Tetrachloroethene	0.000		0	N.D.		
68) trans-1,3-Dichloropropene	0.000		0	N.D.		
71) 1,1,2-Trichloroethane	0.000		0	N.D.		
72) Chlorodibromomethane	0.000		0	N.D.		
74) 1,2-Dibromoethane	0.000		0	N.D.		
76) 2-Hexanone	0.000		0	N.D.		
77) Chlorobenzene	0.000		0	N.D.		
78) Ethylbenzene	0.000		0	N.D.		
80) p/m Xylene	0.000		0	N.D.		
81) o Xylene	0.000		0	N.D.		
82) Styrene	0.000		0	N.D.		
84) Bromoform	0.000		0	N.D.		
86) Isopropylbenzene	0.000		0	N.D.		
91) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
104) 1,3-Dichlorobenzene	0.000		0	N.D.		
105) 1,4-Dichlorobenzene	0.000		0	N.D.		
108) 1,2-Dichlorobenzene	0.000		0	N.D.		
110) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
113) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
115) 1,2,3-Trichlorobenzene	0.000		0	N.D.		

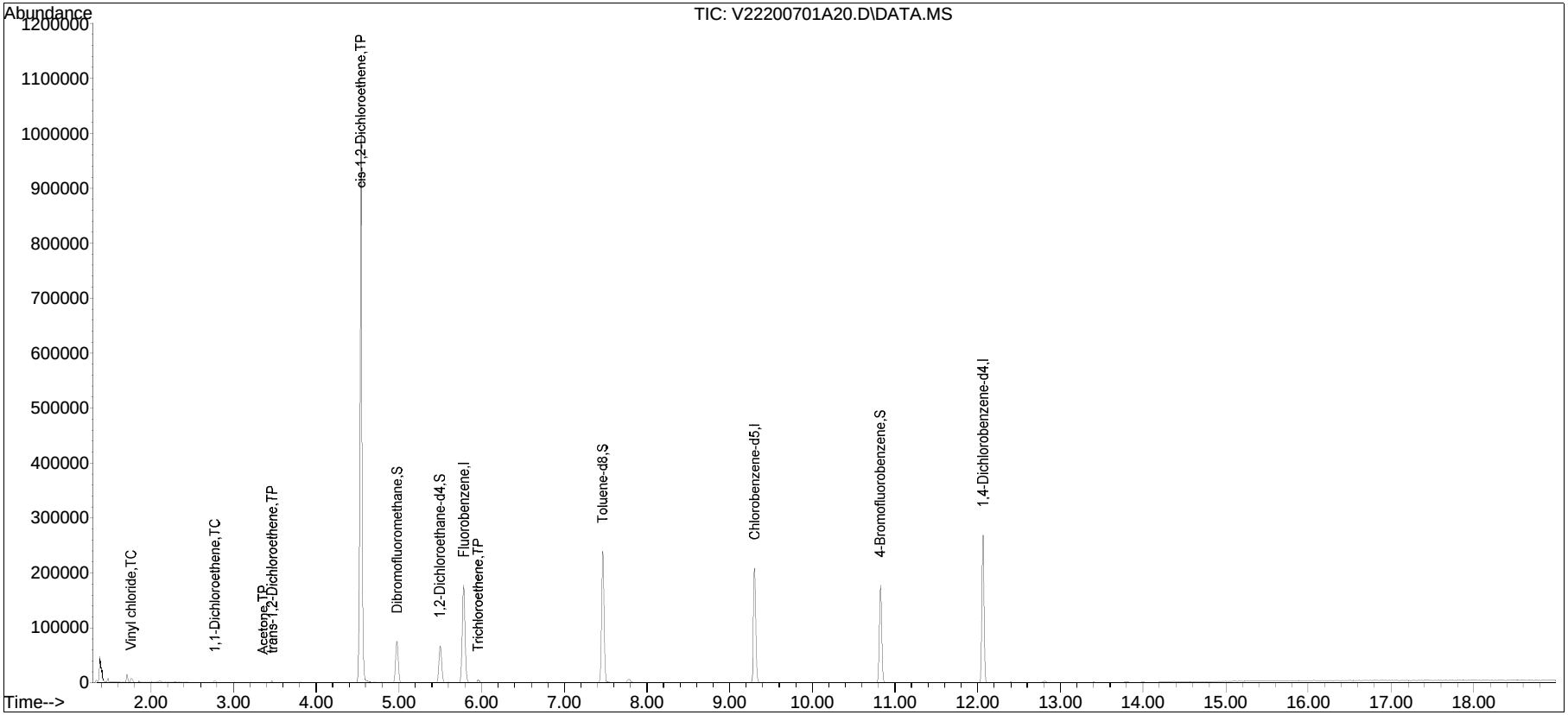
(#) = qualifier out of range (m) = manual integration (+) = signals summed

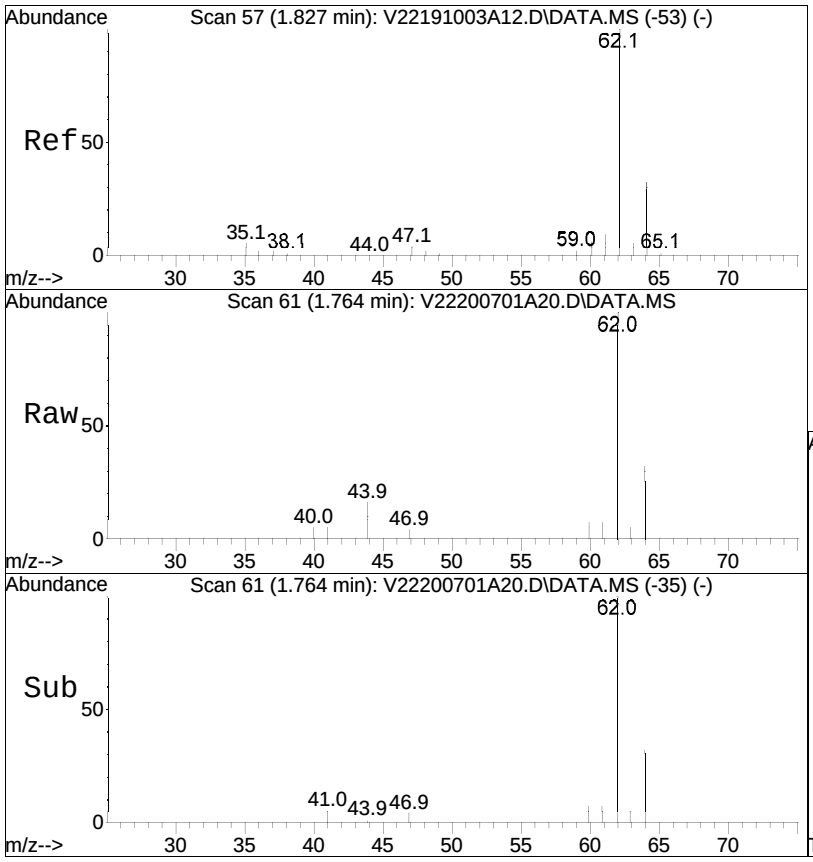
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2020\200701A\
Data File : V22200701A20.D
Acq On : 01 Jul 2020 04:33 pm
Operator : VOA122:AJK
Sample : l2027694-03D,31,0.4,10,,a
Misc : WG1388388,ICAL16903
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jul 01 21:04:56 2020
Quant Method : I:\VOLATILES\VOA122\2020\200701A\V122_200617N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jun 18 17:18:38 2020
Response via : Initial Calibration

Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

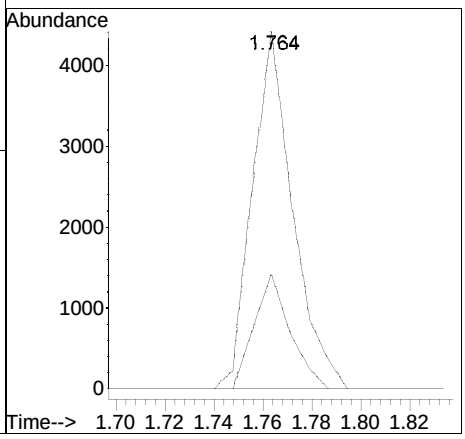


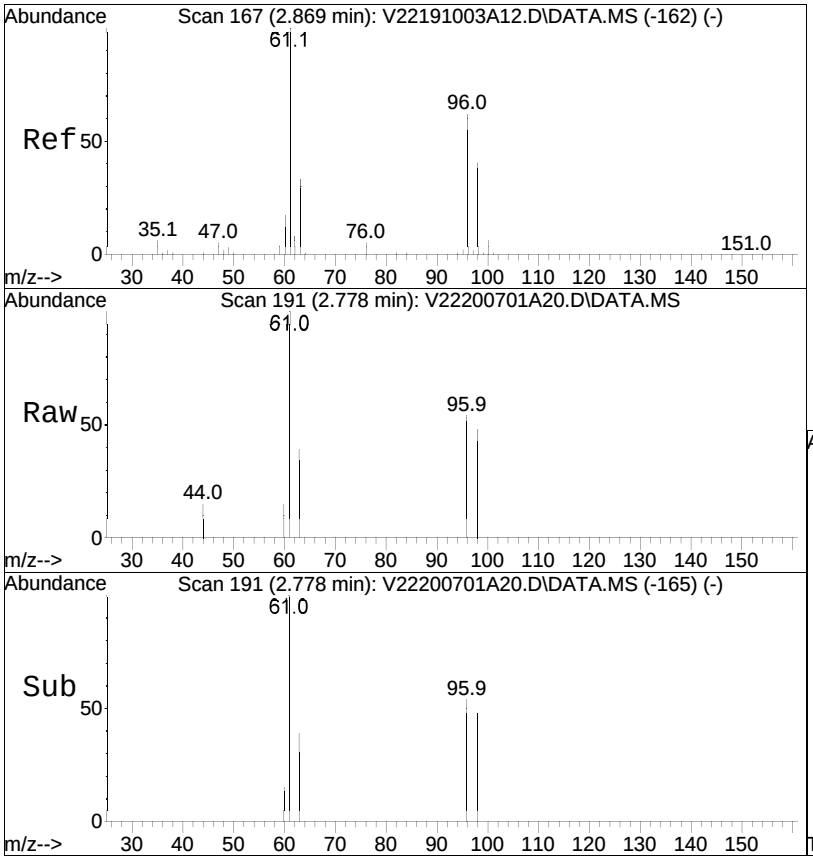


#4
Vinyl chloride
Concen: 1.27 ug/L
RT: 1.764 min Scan# 61
Delta R.T. -0.000 min
Lab File: V22200701A20.D
Acq: 01 Jul 2020 04:33 pm

Tgt Ion: 62 Resp: 5007

Ion	Ratio	Lower	Upper
62	100		
64	28.6	12.0	52.0

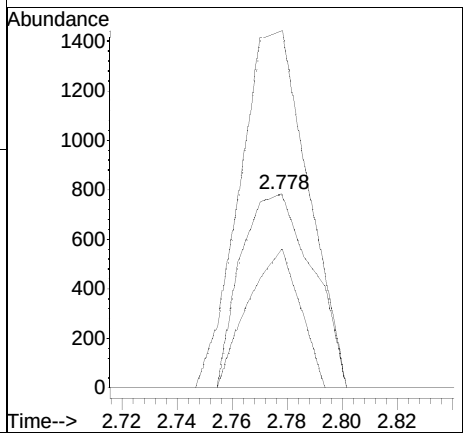


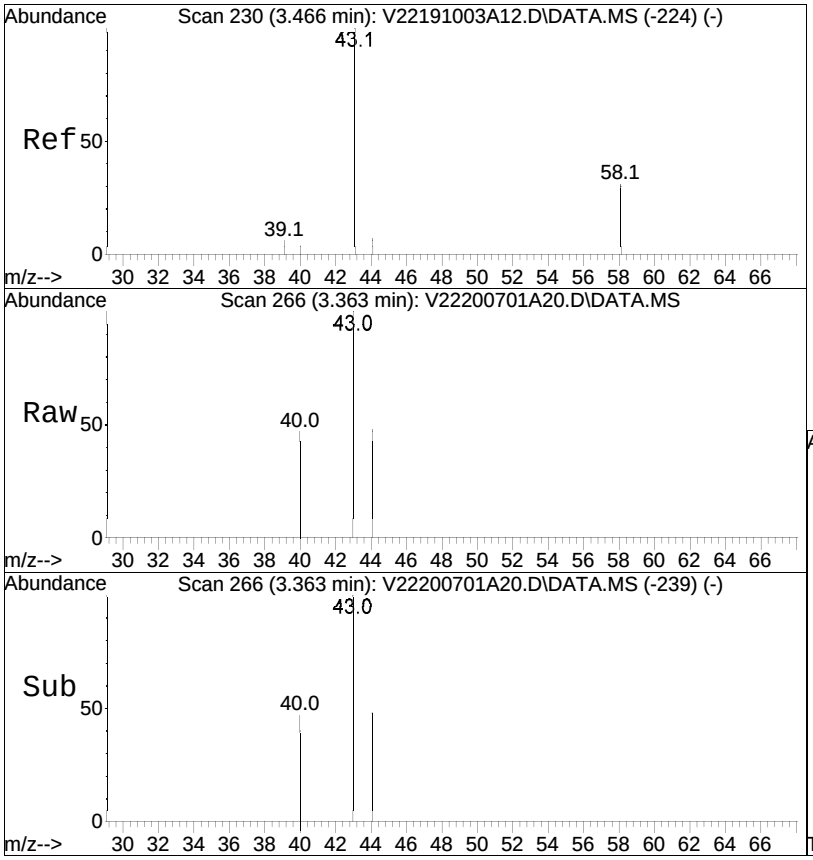


#10
1,1-Dichloroethene
Concen: 0.41 ug/L
RT: 2.778 min Scan# 191
Delta R.T. 0.000 min
Lab File: V22200701A20.D
Acq: 01 Jul 2020 04:33 pm

Tgt Ion: 96 Resp: 1400

Ion	Ratio	Lower	Upper
96	100		
61	175.7	117.0	175.4#
63	52.1	37.8	56.6

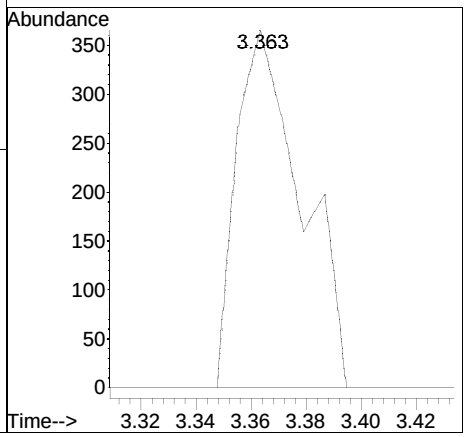


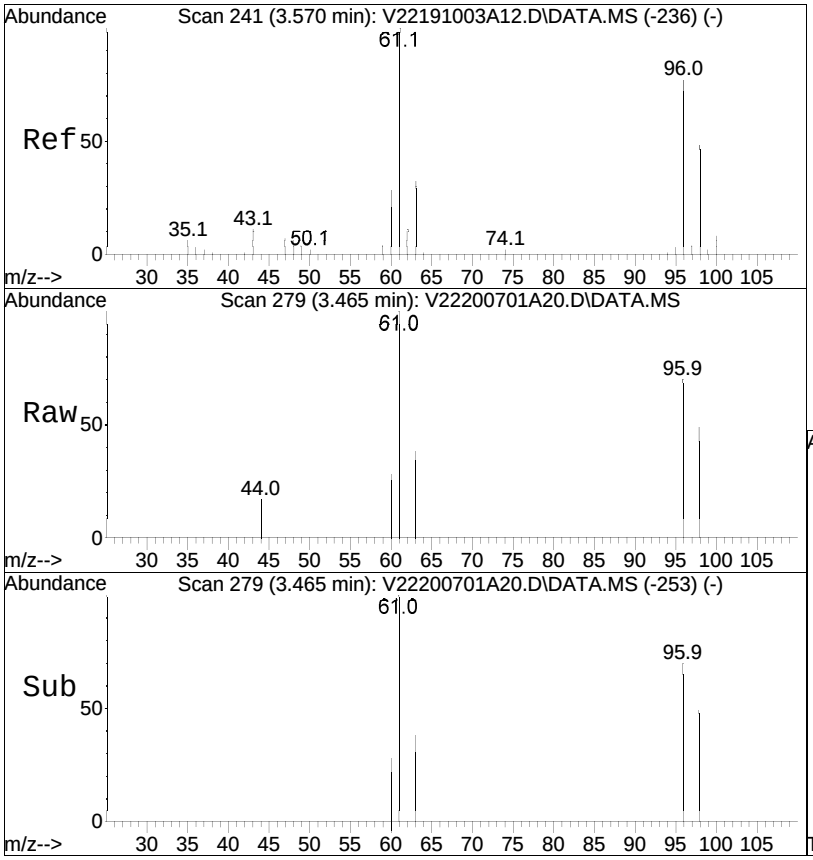


#17
Acetone
Concen: 0.84 ug/L
RT: 3.363 min Scan# 266
Delta R.T. 0.007 min
Lab File: V22200701A20.D
Acq: 01 Jul 2020 04:33 pm

Tgt Ion: 43 Resp: 596

Ion	Ratio	Lower	Upper
43	100		
58	0.0	23.1	34.7#

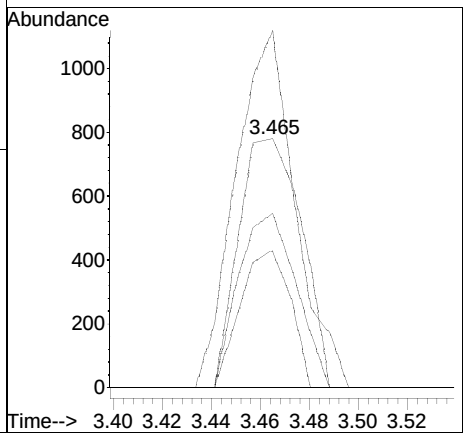


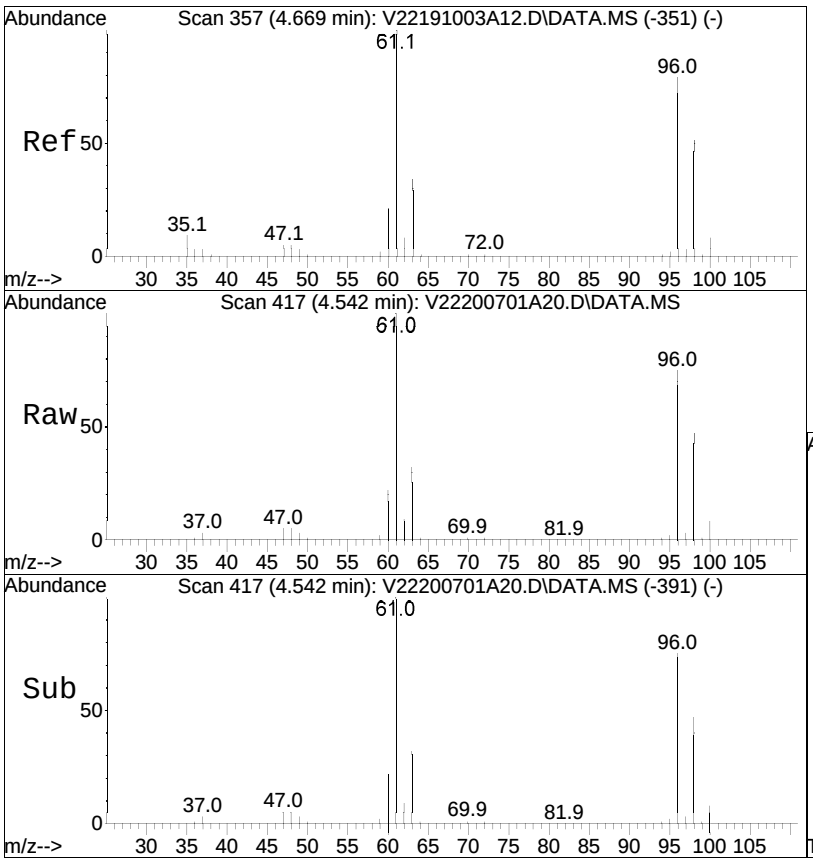


#18
trans-1,2-Dichloroethene
Concen: 0.37 ug/L
RT: 3.465 min Scan# 279
Delta R.T. -0.000 min
Lab File: V22200701A20.D
Acq: 01 Jul 2020 04:33 pm

Tgt Ion: 96 Resp: 1398

Ion	Ratio	Lower	Upper
96	100		
61	132.8	81.6	169.6
98	63.3	41.8	86.8
63	43.3	26.3	54.7

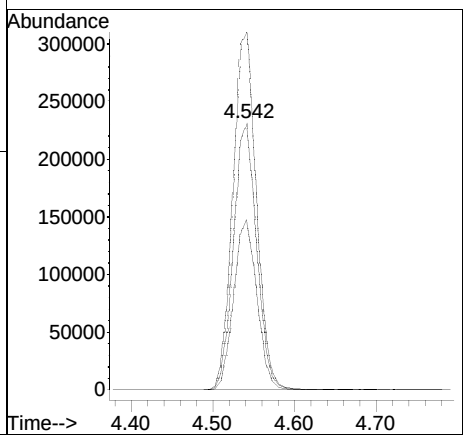


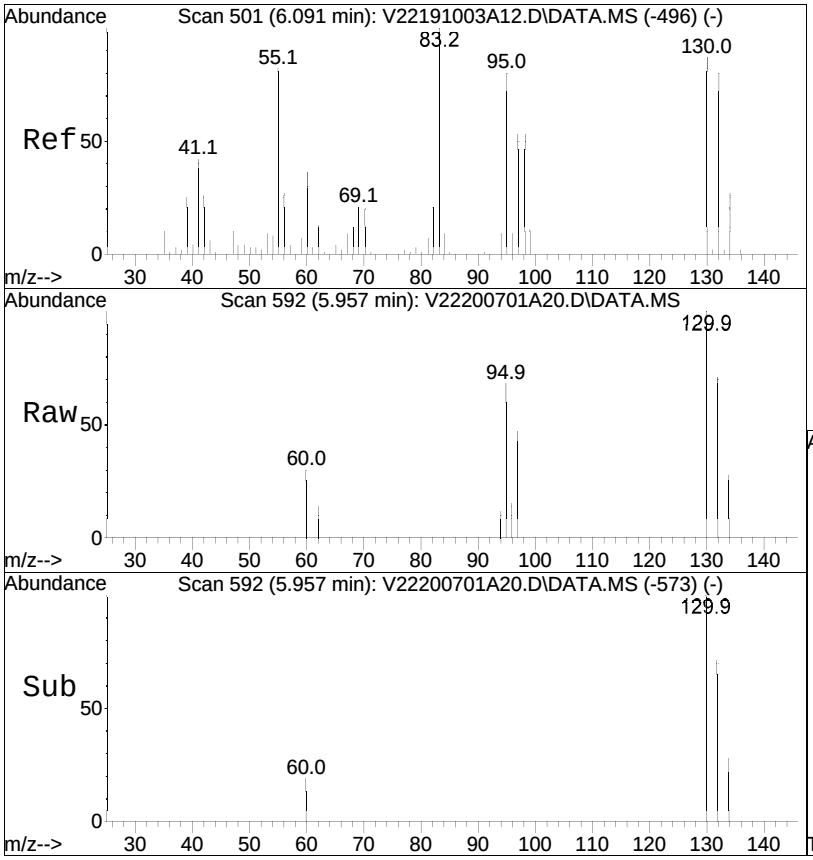


#30
cis-1,2-Dichloroethene
Concen: 110.71 ug/L
RT: 4.542 min Scan# 417
Delta R.T. -0.000 min
Lab File: V22200701A20.D
Acq: 01 Jul 2020 04:33 pm

Tgt Ion: 96 Resp: 452024

Ion	Ratio	Lower	Upper
96	100		
61	136.4	90.3	135.5#
98	64.1	50.8	76.2

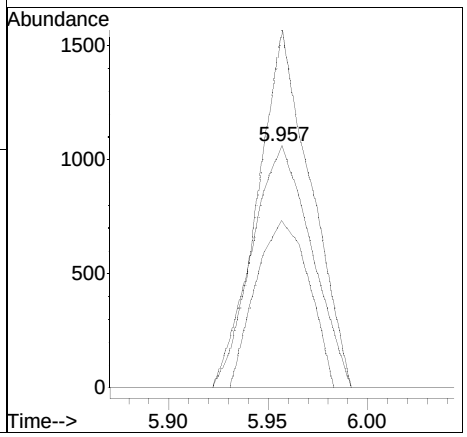




#51
Trichloroethene
Concen: 0.53 ug/L
RT: 5.957 min Scan# 592
Delta R.T. -0.000 min
Lab File: V22200701A20.D
Acq: 01 Jul 2020 04:33 pm

Tgt Ion: 95 Resp: 2212

Ion	Ratio	Lower	Upper
95	100		
97	61.4	55.0	82.4
130	130.1	89.2	133.8



Manual Integration Report

Data Path	: I:\VOLATILES\VOA122\2020\2	QMethod	: V122_200617N_8260.m
Data File	: V22200701A20.D	Operator	: VOA122:AJK
Date Inj'd	: 7/1/2020 4:33 pm	Instrument	: VOA122
Sample	: l2027694-03D,31,0.4,10,,a	Quant Date	: 7/1/2020 8:53 pm

There are no manual integrations or false positives in this file.

LSC Area Percent Report

Data Path : I:\VOLATILES\VOA122\2020\200701A\
Data File : V22200701A20.D
Acq On : 01 Jul 2020 04:33 pm
Operator : VOA122:AJK
Sample : l2027694-03D,31,0.4,10,,a
Misc : WG1388388,ICAL16903
ALS Vial : 22 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 500 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : I:\VOLATILES\VOA122\2020\200701A\V122_200617N_8260.m
Title : VOLATILES BY GC/MS

Signal : TIC: V22200701A20.D\DATA.MS

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.615	38	42	45	rVB2	1327	1794	0.09%	0.040%
2	1.662	45	48	51	rBV2	374	662	0.03%	0.015%
3	1.717	52	55	58	rVV	14898	15449	0.78%	0.346%
4	1.764	58	61	69	rVB2	7514	13475	0.68%	0.302%
5	1.857	69	73	79	rBV	2483	3179	0.16%	0.071%
6	2.013	90	93	98	rVB	433	574	0.03%	0.013%
7	2.115	100	106	110	rBV2	2211	5159	0.26%	0.116%
8	2.286	125	128	132	rVB3	1227	1955	0.10%	0.044%
9	2.528	156	159	163	rVB2	416	662	0.03%	0.015%
10	2.622	168	171	176	rVB2	306	659	0.03%	0.015%
11	2.778	185	191	196	rBV2	3720	6650	0.34%	0.149%
12	2.981	213	217	222	rVB2	386	1144	0.06%	0.026%
13	3.028	222	223	229	rBB2	353	753	0.04%	0.017%
14	3.145	233	238	239	rBB	343	617	0.03%	0.014%
15	3.161	239	240	244	rBV	459	707	0.04%	0.016%
16	3.262	250	253	256	rVB2	391	604	0.03%	0.014%
17	3.293	256	257	261	rBB2	352	558	0.03%	0.013%
18	3.363	261	266	267	rBV	711	1129	0.06%	0.025%
19	3.465	271	279	287	rBV2	3371	7055	0.36%	0.158%
20	3.543	287	289	294	rVB2	404	1026	0.05%	0.023%
21	3.621	294	299	301	rBB	324	583	0.03%	0.013%
22	3.652	301	303	306	rBB	521	626	0.03%	0.014%
23	3.699	306	309	312	rBV	362	655	0.03%	0.015%
24	3.941	337	340	344	rBV	345	673	0.03%	0.015%
25	4.050	348	354	357	rVB2	413	995	0.05%	0.022%
26	4.347	390	392	395	rBV	407	570	0.03%	0.013%
27	4.542	406	417	435	rBV	1000728	1971587	100.00%	44.205%
28	4.721	436	440	444	rVV3	1038	2918	0.15%	0.065%

LSC Area Percent Report

Data Path : I:\VOLATILES\VOA122\2020\200701A\
Data File : V22200701A20.D
Acq On : 01 Jul 2020 04:33 pm
Operator : VOA122:AJK
Sample : l2027694-03D,31,0.4,10,,a
Misc : WG1388388,ICAL16903
ALS Vial : 22 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 500 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : I:\VOLATILES\VOA122\2020\200701A\V122_200617N_8260.m
Title : VOLATILES BY GC/MS

29	4.776	444	447	448	rVB3	510	548	0.03%	0.012%
30	4.799	448	450	454	rBB3	357	568	0.03%	0.013%
31	4.979	461	473	482	rBB	75556	160121	8.12%	3.590%
32	5.127	487	492	495	rBB	533	1058	0.05%	0.024%
33	5.393	518	526	528	rBB	339	744	0.04%	0.017%
34	5.494	531	539	548	rBV	66880	139010	7.05%	3.117%
35	5.628	548	554	556	rVB	457	1146	0.06%	0.026%
36	5.715	561	564	565	rBV	431	568	0.03%	0.013%
37	5.784	565	572	580	rBV	177247	357117	18.11%	8.007%
38	5.957	586	592	599	rVB	6021	12160	0.62%	0.273%
39	6.035	599	601	604	rBV	321	579	0.03%	0.013%
40	7.464	757	765	784	rBB	239920	522996	26.53%	11.726%
41	7.776	795	805	813	rBV2	5228	14569	0.74%	0.327%
42	9.306	994	1001	1013	rBV	208850	424467	21.53%	9.517%
43	9.446	1016	1019	1022	rVB	340	541	0.03%	0.012%
44	9.891	1073	1076	1081	rBB	350	722	0.04%	0.016%
45	10.531	1152	1156	1159	rBB	390	764	0.04%	0.017%
46	10.827	1181	1194	1207	rBB	177504	317379	16.10%	7.116%
47	10.991	1208	1215	1217	rBB	203	555	0.03%	0.012%
48	11.124	1227	1232	1237	rBB	360	637	0.03%	0.014%
49	12.065	1346	1353	1369	rBB	269060	419272	21.27%	9.401%
50	12.260	1377	1381	1385	rBV	339	625	0.03%	0.014%
51	12.650	1433	1437	1443	rBB	362	653	0.03%	0.015%
52	12.810	1453	1460	1466	rBB	1907	3592	0.18%	0.081%
53	13.269	1522	1526	1529	rBV	385	646	0.03%	0.014%
54	13.617	1574	1576	1579	rBB	533	657	0.03%	0.015%
55	13.680	1579	1585	1586	rBB2	524	950	0.05%	0.021%
56	13.708	1586	1589	1590	rBB2	578	522	0.03%	0.012%
57	13.742	1590	1594	1596	rBV2	568	992	0.05%	0.022%
58	13.784	1596	1600	1604	rBV2	408	773	0.04%	0.017%
59	14.111	1644	1647	1651	rVB	414	570	0.03%	0.013%
60	14.160	1651	1654	1657	rBV	618	535	0.03%	0.012%

LSC Area Percent Report

Data Path : I:\VOLATILES\VOA122\2020\200701A\
Data File : V22200701A20.D
Acq On : 01 Jul 2020 04:33 pm
Operator : VOA122:AJK
Sample : l2027694-03D,31,0.4,10,,a
Misc : WG1388388,ICAL16903
ALS Vial : 22 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 500 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : I:\VOLATILES\VOA122\2020\200701A\V122_200617N_8260.m
Title : VOLATILES BY GC/MS

61	14.327	1676	1678	1680	rBV	537	651	0.03%	0.015%
62	14.369	1680	1684	1689	rVV	1421	2256	0.11%	0.051%
63	14.459	1693	1697	1699	rVB	625	810	0.04%	0.018%
64	14.522	1703	1706	1709	rBV2	670	1016	0.05%	0.023%
65	14.571	1712	1713	1718	rVB2	760	817	0.04%	0.018%
66	14.640	1718	1723	1728	rBV	970	2023	0.10%	0.045%
67	14.710	1728	1733	1734	rBV	862	1236	0.06%	0.028%
68	14.800	1745	1746	1749	rBV3	640	517	0.03%	0.012%
69	14.856	1752	1754	1759	rVV3	833	1363	0.07%	0.031%
70	14.919	1759	1763	1764	rVV3	631	1012	0.05%	0.023%
71	14.954	1767	1768	1772	rVV3	579	770	0.04%	0.017%
72	14.988	1772	1773	1778	rVV3	832	1054	0.05%	0.024%
73	15.086	1784	1787	1791	rBV3	948	1688	0.09%	0.038%
74	15.441	1836	1838	1840	rBV2	912	789	0.04%	0.018%
75	15.566	1853	1856	1859	rBV3	1006	790	0.04%	0.018%
76	15.629	1862	1865	1870	rVB3	1094	2139	0.11%	0.048%
77	15.775	1884	1886	1891	rVB3	768	1504	0.08%	0.034%
78	15.838	1892	1895	1898	rBV	562	933	0.05%	0.021%
79	15.879	1899	1901	1904	rBV4	701	1047	0.05%	0.023%
80	15.984	1915	1916	1918	rBV2	810	700	0.04%	0.016%
81	16.067	1926	1928	1934	rVB4	1241	2104	0.11%	0.047%
82	16.200	1945	1947	1949	rVB2	757	807	0.04%	0.018%
83	16.269	1953	1957	1960	rVB3	960	1823	0.09%	0.041%
84	16.791	2031	2032	2036	rBV4	851	1347	0.07%	0.030%
85	17.334	2108	2110	2112	rBV3	946	1172	0.06%	0.026%
86	18.260	2241	2243	2245	rVB2	1163	1256	0.06%	0.028%

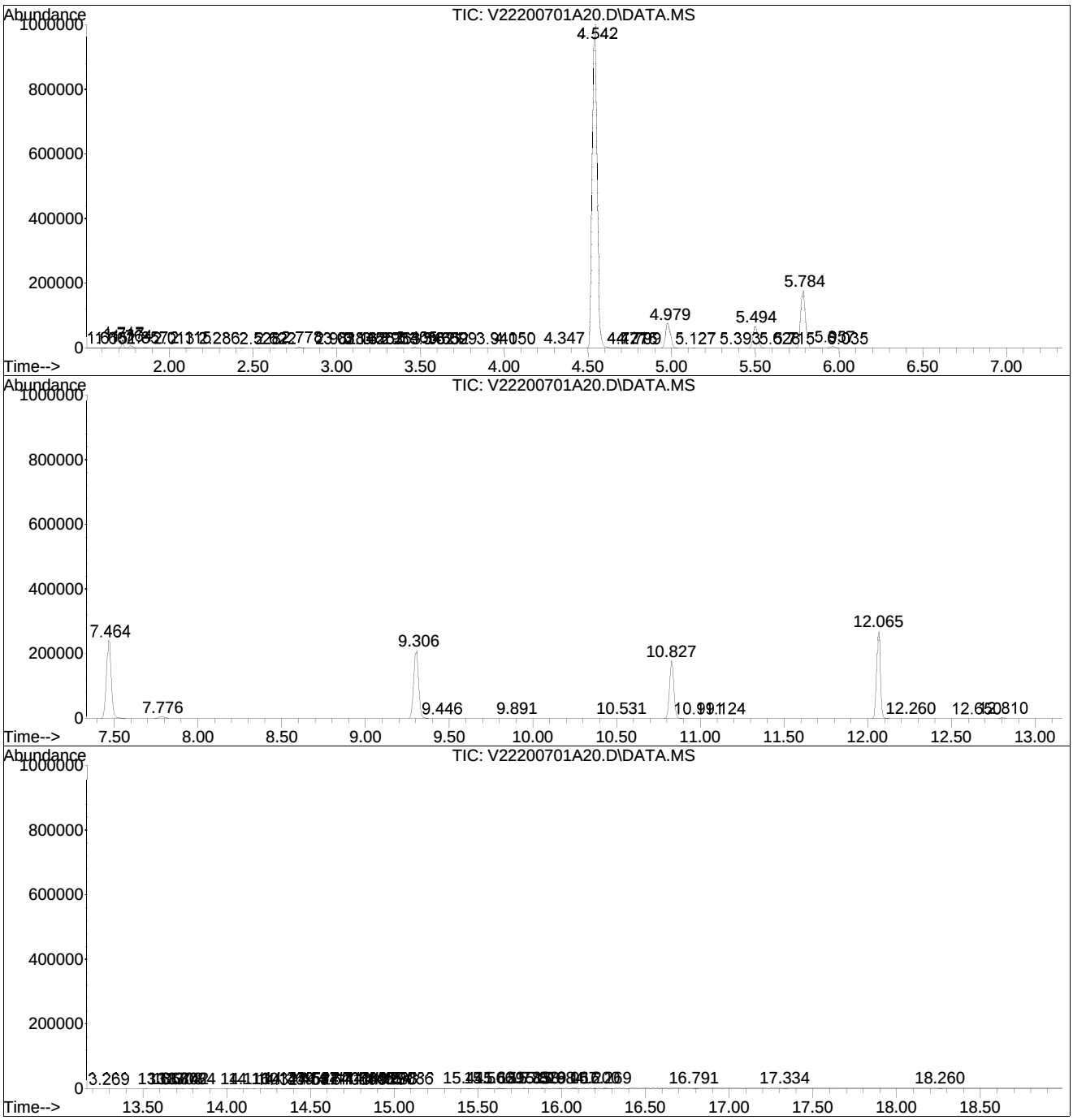
Sum of corrected areas: 4460078

LSC Report - Integrated Chromatogram

Data Path : I:\VOLATILES\VOA122\2020\200701A\
Data File : V22200701A20.D
Acq On : 01 Jul 2020 04:33 pm
Operator : VOA122:AJK
Sample : l2027694-03D,31,0.4,10,,a
Misc : WG1388388,ICAL16903
ALS Vial : 22 Sample Multiplier: 1

Quant Method : I:\VOLATILES\VOA122\2020\200701A\V122_200617N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p



Library Search Compound Report

Data Path : I:\VOLATILES\VOA122\2020\200701A\
Data File : V22200701A20.D
Acq On : 01 Jul 2020 04:33 pm
Operator : VOA122:AJK
Sample : l2027694-03D,31,0.4,10,,a
Misc : WG1388388,ICAL16903
ALS Vial : 22 Sample Multiplier: 1

Quant Method : I:\VOLATILES\VOA122\2020\200701A\V122_200617N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : I:\VOLATILES\VOA122\2020\200701A\
Data File : V22200701A20.D
Acq On : 01 Jul 2020 04:33 pm
Operator : VOA122:AJK
Sample : l2027694-03D,31,0.4,10,,a
Misc : WG1388388,ICAL16903
ALS Vial : 22 Sample Multiplier: 1

Quant Method : I:\VOLATILES\VOA122\2020\200701A\V122_200617N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2020\200701A\
Data File : V22200701A21.D
Acq On : 01 Jul 2020 04:57 pm
Operator : VOA122:AJK
Sample : l2027694-04D,31,0.2,10,,a
Misc : WG1388388,ICAL16903
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jul 01 21:05:43 2020
Quant Method : I:\VOLATILES\VOA122\2020\200701A\V122_200617N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jun 18 17:18:38 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2020\200701A\V22200701A01.D
Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.784	96	179641	10.000	ug/L	0.00
Standard Area 1 = 180591			Recovery = 99.47%			
62) Chlorobenzene-d5	9.306	117	151122	10.000	ug/L	0.00
Standard Area 1 = 157975			Recovery = 95.66%			
83) 1,4-Dichlorobenzene-d4	12.065	152	74111	10.000	ug/L	0.00
Standard Area 1 = 82999			Recovery = 89.29%			
System Monitoring Compounds						
38) Dibromofluoromethane	4.979	113	53494	10.717	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 107.17%			
46) 1,2-Dichloroethane-d4	5.494	65	50343	10.897	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 108.97%			
63) Toluene-d8	7.465	98	199154	9.551	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.51%			
87) 4-Bromofluorobenzene	10.828	95	62409	8.856	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 88.56%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	0.000		0	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	0.000		0	N.D.		
6) Chloroethane	0.000		0	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	0.000		0	N.D.		
12) Freon-113	0.000		0	N.D.		
15) Methylene chloride	0.000		0	N.D.		
17) Acetone	0.000		0	N.D.		
18) trans-1,2-Dichloroethene	3.465	96	1061	0.272	ug/L #	79
19) Methyl acetate	0.000		0	N.D.		
21) Methyl tert-butyl ether	0.000		0	N.D.		
25) 1,1-Dichloroethane	0.000		0	N.D.		
30) cis-1,2-Dichloroethene	4.542	96	18197	4.322	ug/L	86
32) Bromochloromethane	0.000		0	N.D.		
33) Cyclohexane	0.000		0	N.D.		
34) Chloroform	0.000		0	N.D.		
36) Carbon tetrachloride	0.000		0	N.D.		

Data Path : I:\VOLATILES\VOA122\2020\200701A\
Data File : V22200701A21.D
Acq On : 01 Jul 2020 04:57 pm
Operator : VOA122:AJK
Sample : l2027694-04D,31,0.2,10,,a
Misc : WG1388388,ICAL16903
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jul 01 21:05:43 2020
Quant Method : I:\VOLATILES\VOA122\2020\200701A\V122_200617N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jun 18 17:18:38 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2020\200701A\V22200701A01.D
Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) 1,1,1-Trichloroethane	0.000		0	N.D.		
41) 2-Butanone	0.000		0	N.D.		
44) Benzene	0.000		0	N.D.		
47) 1,2-Dichloroethane	0.000		0	N.D.		
50) Methyl cyclohexane	0.000		0	N.D. d		
51) Trichloroethene	5.957	95	471211	108.762	ug/L	89
54) 1,2-Dichloropropane	0.000		0	N.D.		
57) Bromodichloromethane	0.000		0	N.D.		
60) 1,4-Dioxane	0.000		0	N.D.		
61) cis-1,3-Dichloropropene	0.000		0	N.D.		
64) Toluene	0.000		0	N.D.		
65) 4-Methyl-2-pentanone	0.000		0	N.D.		
66) Tetrachloroethene	7.972	166	1313	0.270	ug/L #	33
68) trans-1,3-Dichloropropene	0.000		0	N.D.		
71) 1,1,2-Trichloroethane	0.000		0	N.D.		
72) Chlorodibromomethane	0.000		0	N.D.		
74) 1,2-Dibromoethane	0.000		0	N.D.		
76) 2-Hexanone	0.000		0	N.D.		
77) Chlorobenzene	0.000		0	N.D.		
78) Ethylbenzene	0.000		0	N.D.		
80) p/m Xylene	0.000		0	N.D.		
81) o Xylene	0.000		0	N.D.		
82) Styrene	0.000		0	N.D.		
84) Bromoform	0.000		0	N.D.		
86) Isopropylbenzene	0.000		0	N.D.		
91) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
104) 1,3-Dichlorobenzene	0.000		0	N.D.		
105) 1,4-Dichlorobenzene	0.000		0	N.D.		
108) 1,2-Dichlorobenzene	0.000		0	N.D.		
110) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
113) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
115) 1,2,3-Trichlorobenzene	0.000		0	N.D.		

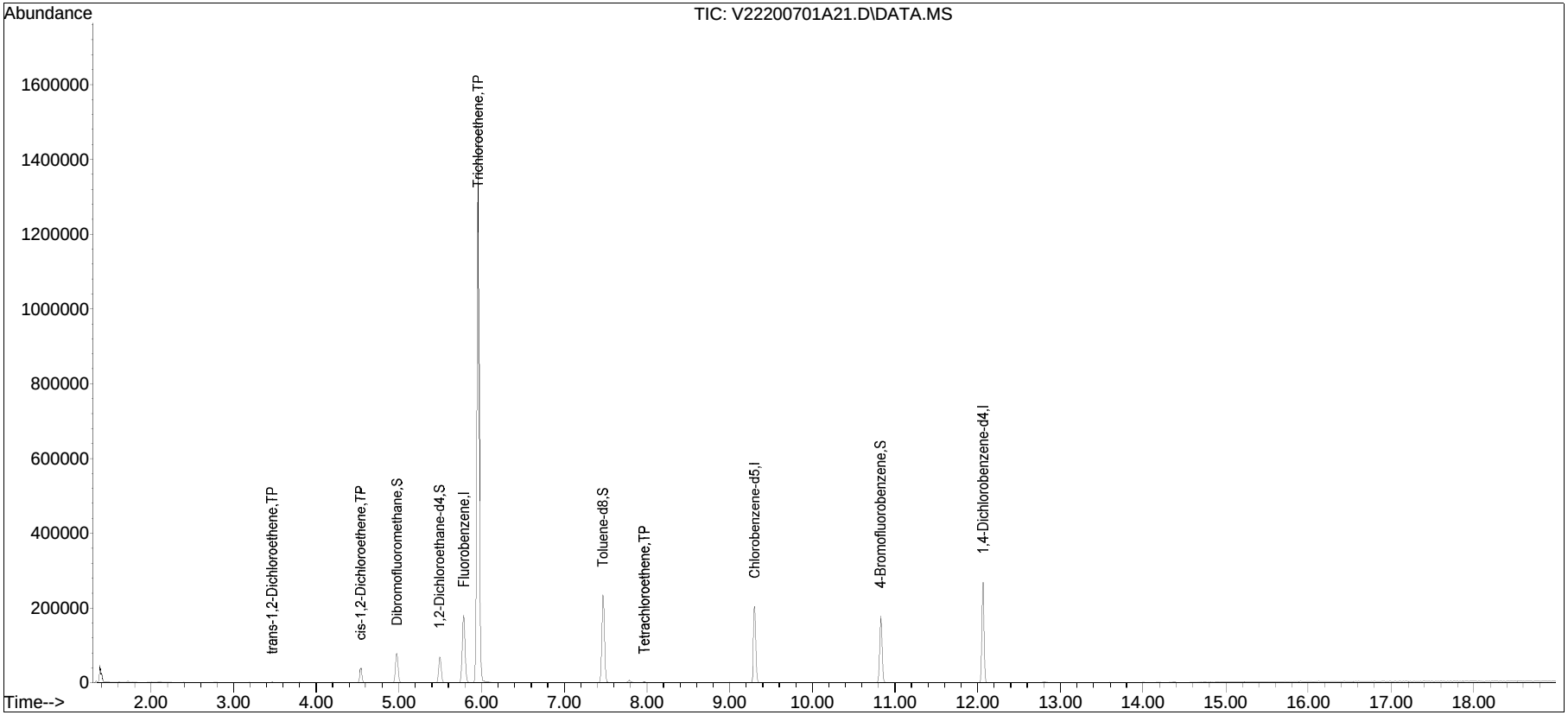
(#) = qualifier out of range (m) = manual integration (+) = signals summed

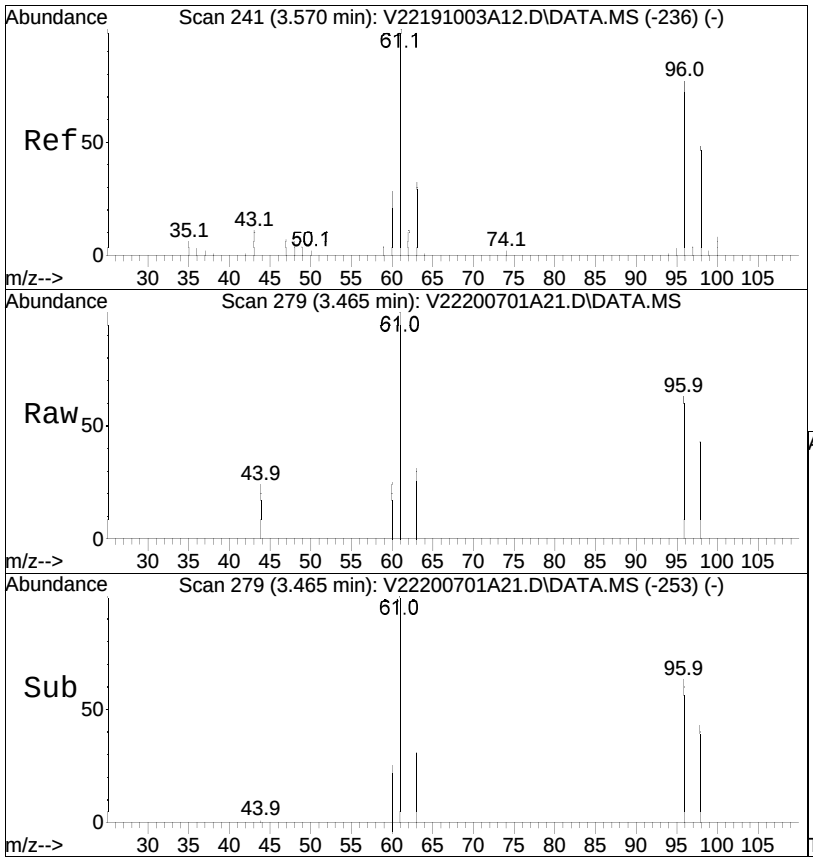
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2020\200701A\
Data File : V22200701A21.D
Acq On : 01 Jul 2020 04:57 pm
Operator : VOA122:AJK
Sample : l2027694-04D,31,0.2,10,,a
Misc : WG1388388,ICAL16903
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jul 01 21:05:43 2020
Quant Method : I:\VOLATILES\VOA122\2020\200701A\V122_200617N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jun 18 17:18:38 2020
Response via : Initial Calibration

Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

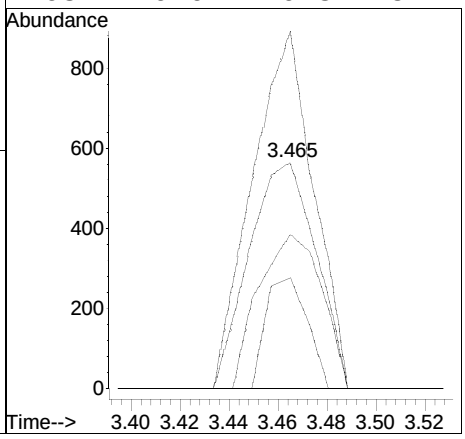


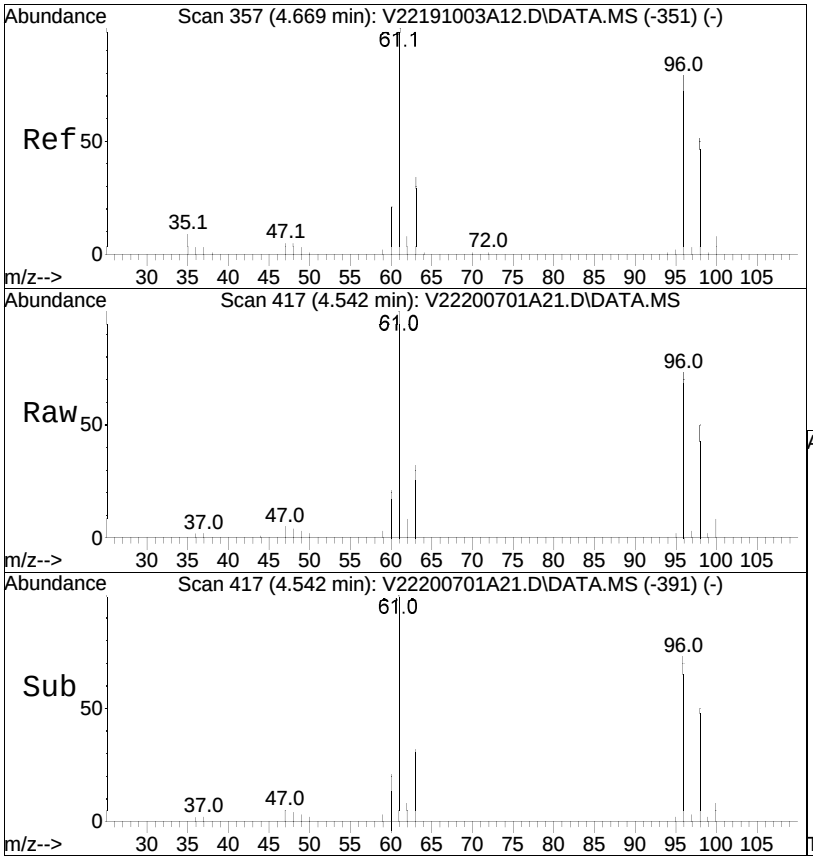


#18
trans-1,2-Dichloroethene
Concen: 0.27 ug/L
RT: 3.465 min Scan# 279
Delta R.T. 0.000 min
Lab File: V22200701A21.D
Acq: 01 Jul 2020 04:57 pm

Tgt Ion: 96 Resp: 1061

Ion	Ratio	Lower	Upper
96	100		
61	145.0	81.6	169.6
98	64.4	41.8	86.8
63	0.0	26.3	54.7#

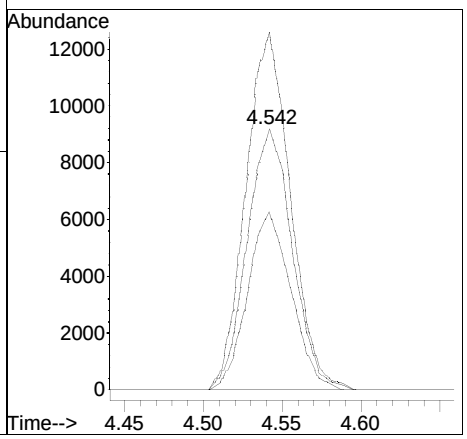


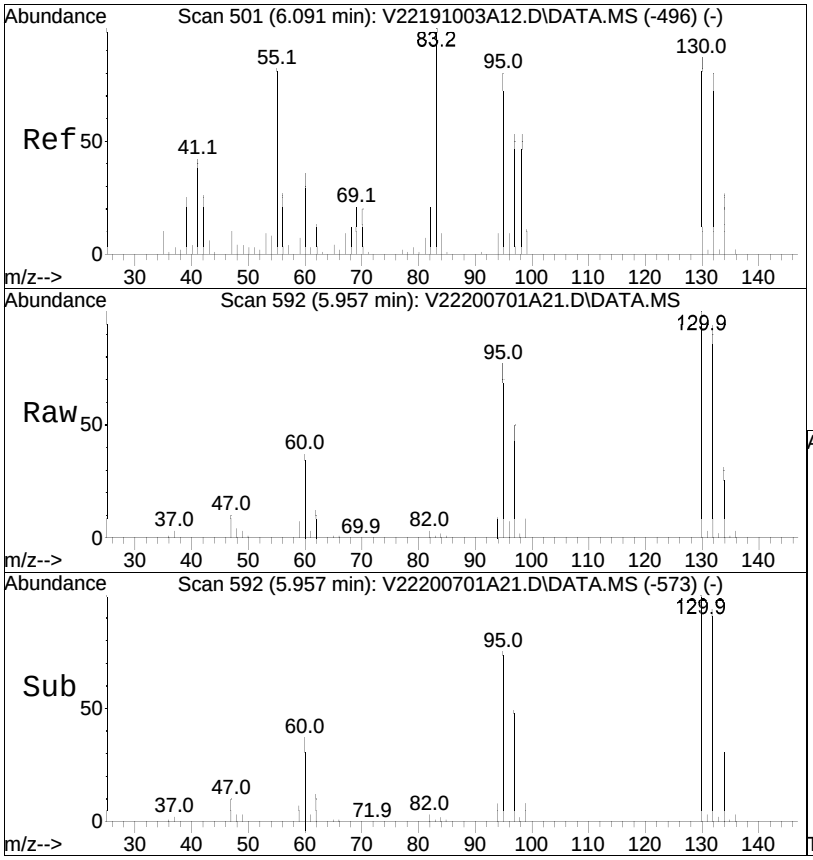


#30
cis-1,2-Dichloroethene
Concen: 4.32 ug/L
RT: 4.542 min Scan# 417
Delta R.T. 0.000 min
Lab File: V22200701A21.D
Acq: 01 Jul 2020 04:57 pm

Tgt Ion: 96 Resp: 18197

Ion	Ratio	Lower	Upper
96	100		
61	135.1	90.3	135.5
98	65.9	50.8	76.2

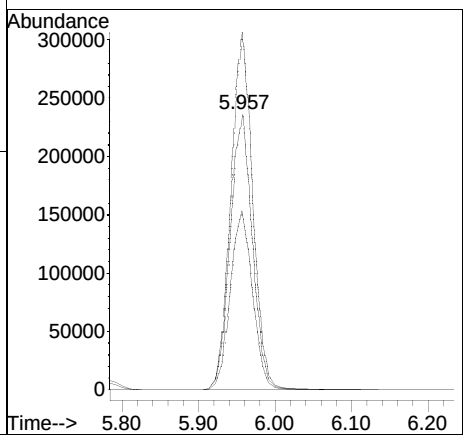


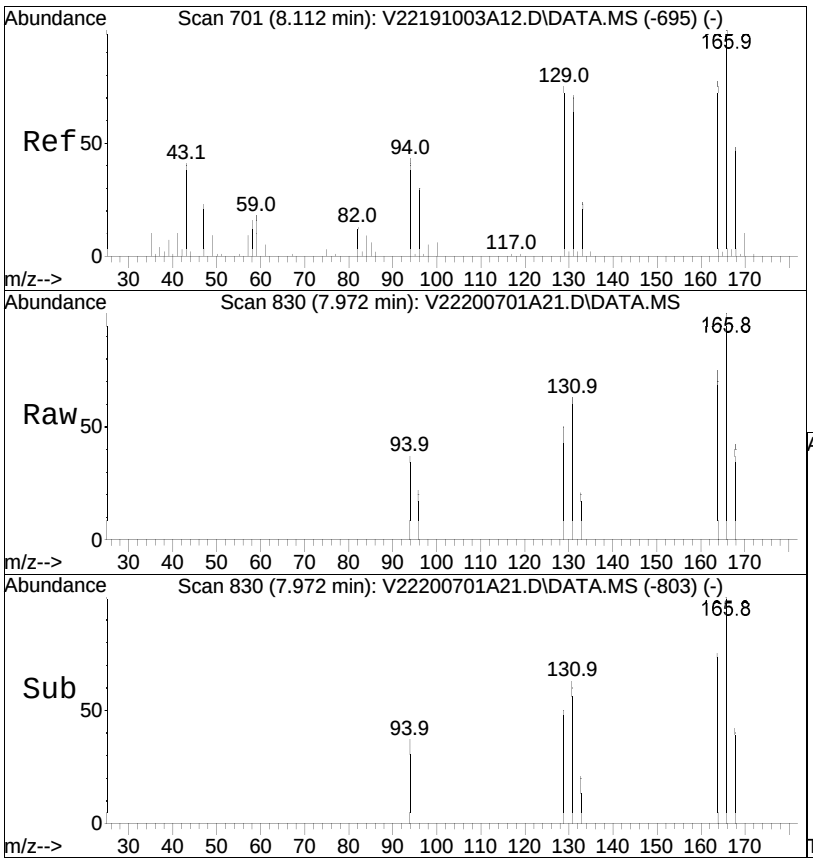


#51
Trichloroethene
Concen: 108.76 ug/L
RT: 5.957 min Scan# 592
Delta R.T. 0.000 min
Lab File: V22200701A21.D
Acq: 01 Jul 2020 04:57 pm

Tgt Ion: 95 Resp: 471211

Ion	Ratio	Lower	Upper
95	100		
97	65.2	55.0	82.4
130	127.6	89.2	133.8

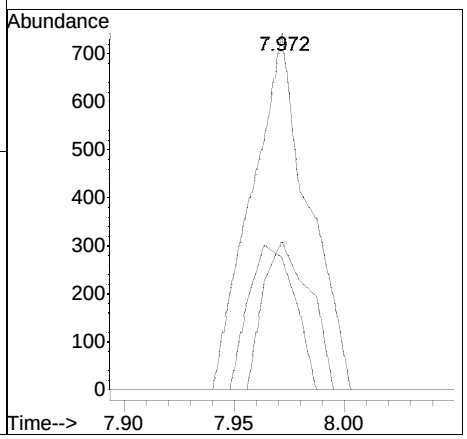




#66
Tetrachloroethene
Concen: 0.27 ug/L
RT: 7.972 min Scan# 830
Delta R.T. 0.008 min
Lab File: V22200701A21.D
Acq: 01 Jul 2020 04:57 pm

Tgt Ion:166 Resp: 1313

Ion	Ratio	Lower	Upper
166	100		
168	0.0	27.8	67.8#
94	0.0	16.7	56.7#



Manual Integration Report

Data Path	: I:\VOLATILES\VOA122\2020\2	QMethod	: V122_200617N_8260.m
Data File	: V22200701A21.D	Operator	: VOA122:AJK
Date Inj'd	: 7/1/2020 4:57 pm	Instrument	: VOA122
Sample	: l2027694-04D,31,0.2,10,,a	Quant Date	: 7/1/2020 8:53 pm

There are no manual integrations or false positives in this file.

LSC Area Percent Report

Data Path : I:\VOLATILES\VOA122\2020\200701A\
Data File : V22200701A21.D
Acq On : 01 Jul 2020 04:57 pm
Operator : VOA122:AJK
Sample : l2027694-04D,31,0.2,10,,a
Misc : WG1388388,ICAL16903
ALS Vial : 23 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 500 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : I:\VOLATILES\VOA122\2020\200701A\V122_200617N_8260.m
Title : VOLATILES BY GC/MS

Signal : TIC: V22200701A21.D\DATA.MS

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.615	39	42	45	rVB2	1170	1430	0.05%	0.026%
2	1.717	50	55	60	rVV	3745	4758	0.16%	0.087%
3	1.779	60	63	70	rVB	758	1277	0.04%	0.023%
4	1.857	70	73	77	rBV2	388	717	0.02%	0.013%
5	2.006	91	92	96	rBV	359	542	0.02%	0.010%
6	2.123	100	107	112	rVV3	2421	5058	0.17%	0.092%
7	2.724	179	184	186	rBV	416	1030	0.04%	0.019%
8	2.771	186	190	198	rVB2	841	1758	0.06%	0.032%
9	2.927	203	210	211	rVB	426	1033	0.04%	0.019%
10	3.106	228	233	235	rBV	345	602	0.02%	0.011%
11	3.192	241	244	246	rVB	396	667	0.02%	0.012%
12	3.278	253	255	262	rVB2	415	940	0.03%	0.017%
13	3.371	262	267	268	rBB2	423	566	0.02%	0.010%
14	3.465	271	279	285	rBB3	2547	5320	0.18%	0.097%
15	3.528	285	287	291	rBV	363	623	0.02%	0.011%
16	4.043	350	353	356	rBV	423	832	0.03%	0.015%
17	4.160	363	368	372	rBB	358	965	0.03%	0.018%
18	4.199	372	373	377	rBV	391	592	0.02%	0.011%
19	4.542	410	417	427	rVB	40287	78924	2.70%	1.443%
20	4.659	429	432	435	rBV	418	517	0.02%	0.009%
21	4.722	436	440	443	rBV	680	1112	0.04%	0.020%
22	4.846	454	456	459	rBV	385	530	0.02%	0.010%
23	4.979	465	473	482	rBV	78125	166318	5.69%	3.040%
24	5.127	487	492	495	rBB2	549	1098	0.04%	0.020%
25	5.307	510	515	519	rBB2	204	513	0.02%	0.009%
26	5.369	520	523	529	rBB2	424	899	0.03%	0.016%
27	5.494	533	539	554	rBB	69488	157694	5.40%	2.883%
28	5.663	555	558	561	rBB	402	575	0.02%	0.011%

LSC Area Percent Report

Data Path : I:\VOLATILES\VOA122\2020\200701A\
Data File : V22200701A21.D
Acq On : 01 Jul 2020 04:57 pm
Operator : VOA122:AJK
Sample : l2027694-04D,31,0.2,10,,a
Misc : WG1388388,ICAL16903
ALS Vial : 23 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 500 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : I:\VOLATILES\VOA122\2020\200701A\V122_200617N_8260.m
Title : VOLATILES BY GC/MS

29	5.784	566	572	583	rBV	180568	369386	12.64%	6.752%
30	5.957	585	592	613	rVB	1470916	2922828	100.00%	53.428%
31	6.623	665	669	672	rBB	335	594	0.02%	0.011%
32	7.465	755	765	783	rBV	234912	526024	18.00%	9.615%
33	7.784	799	806	816	rVB2	5718	14406	0.49%	0.263%
34	7.972	826	830	838	rBB2	3045	5613	0.19%	0.103%
35	8.214	856	861	862	rBB2	394	510	0.02%	0.009%
36	8.354	871	879	882	rBB	327	912	0.03%	0.017%
37	8.674	918	920	925	rBB	361	572	0.02%	0.010%
38	9.306	993	1001	1016	rBB	204720	419079	14.34%	7.661%
39	10.219	1112	1118	1120	rBV	200	556	0.02%	0.010%
40	10.828	1183	1194	1206	rBB	178112	311181	10.65%	5.688%
41	11.116	1226	1231	1233	rBV	348	541	0.02%	0.010%
42	11.179	1235	1239	1243	rBV2	358	713	0.02%	0.013%
43	11.312	1252	1256	1261	rBB	401	889	0.03%	0.016%
44	11.749	1308	1312	1315	rBB	328	571	0.02%	0.010%
45	12.065	1346	1353	1367	rBB	269191	413190	14.14%	7.553%
46	12.274	1382	1383	1390	rBB	372	530	0.02%	0.010%
47	12.531	1415	1420	1423	rBB	227	506	0.02%	0.009%
48	12.691	1440	1443	1447	rBB	348	578	0.02%	0.011%
49	12.803	1454	1459	1467	rBB	1890	3771	0.13%	0.069%
50	13.165	1510	1511	1521	rBB	350	1072	0.04%	0.020%
51	13.360	1538	1539	1544	rVB	499	629	0.02%	0.011%
52	13.422	1544	1548	1554	rBB	590	1008	0.03%	0.018%
53	13.499	1557	1559	1564	rVB	501	717	0.02%	0.013%
54	13.687	1581	1586	1588	rBB	338	535	0.02%	0.010%
55	13.847	1603	1609	1611	rBV	524	953	0.03%	0.017%
56	14.014	1625	1633	1634	rBV2	416	913	0.03%	0.017%
57	14.112	1643	1647	1651	rVB	548	625	0.02%	0.011%
58	14.202	1653	1660	1662	rBV	411	961	0.03%	0.018%
59	14.293	1670	1673	1676	rBV	447	625	0.02%	0.011%
60	14.376	1676	1685	1689	rVB2	1708	3652	0.12%	0.067%

LSC Area Percent Report

Data Path : I:\VOLATILES\VOA122\2020\200701A\
Data File : V22200701A21.D
Acq On : 01 Jul 2020 04:57 pm
Operator : VOA122:AJK
Sample : l2027694-04D,31,0.2,10,,a
Misc : WG1388388,ICAL16903
ALS Vial : 23 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 500 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : I:\VOLATILES\VOA122\2020\200701A\V122_200617N_8260.m
Title : VOLATILES BY GC/MS

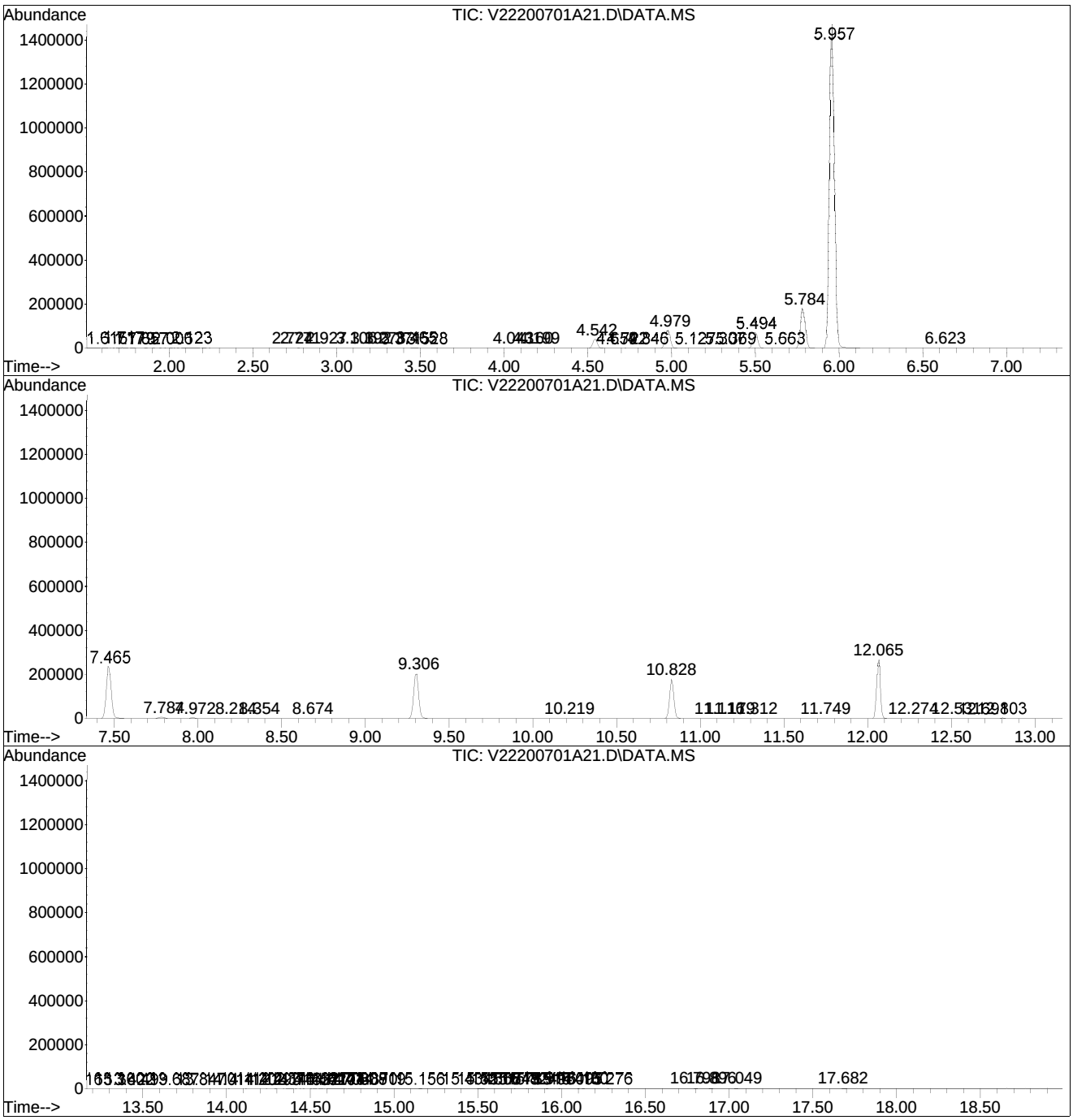
61	14.411	1689	1690	1692	rBV	613	503	0.02%	0.009%
62	14.522	1702	1706	1709	rBV2	580	823	0.03%	0.015%
63	14.571	1709	1713	1716	rBV2	569	721	0.02%	0.013%
64	14.620	1716	1720	1723	rBV2	569	944	0.03%	0.017%
65	14.703	1730	1732	1734	rVB	793	922	0.03%	0.017%
66	14.731	1734	1736	1737	rBV	918	1069	0.04%	0.020%
67	14.808	1745	1747	1750	rBV2	755	1014	0.03%	0.019%
68	14.870	1754	1756	1759	rVV	435	612	0.02%	0.011%
69	14.919	1760	1763	1764	rVB2	503	605	0.02%	0.011%
70	15.156	1794	1797	1799	rBV3	675	886	0.03%	0.016%
71	15.434	1834	1837	1839	rBV3	622	1027	0.04%	0.019%
72	15.525	1845	1850	1852	rBV4	1297	2081	0.07%	0.038%
73	15.608	1859	1862	1865	rBV3	683	789	0.03%	0.014%
74	15.664	1868	1870	1875	rVB4	604	825	0.03%	0.015%
75	15.719	1875	1878	1880	rBV3	1237	1153	0.04%	0.021%
76	15.789	1880	1888	1890	rVB5	1164	2358	0.08%	0.043%
77	15.824	1890	1893	1896	rBV4	1285	1757	0.06%	0.032%
78	15.914	1903	1906	1908	rBV4	1570	1789	0.06%	0.033%
79	15.984	1914	1916	1919	rBV3	962	1198	0.04%	0.022%
80	16.095	1931	1932	1934	rBV2	1052	982	0.03%	0.018%
81	16.130	1935	1937	1939	rVV2	1314	958	0.03%	0.018%
82	16.276	1956	1958	1960	rBV3	806	681	0.02%	0.012%
83	16.798	2031	2033	2036	rBV2	920	855	0.03%	0.016%
84	16.896	2044	2047	2048	rBV3	1012	1115	0.04%	0.020%
85	17.049	2065	2069	2071	rBV3	1390	2061	0.07%	0.038%
86	17.682	2158	2160	2163	rBV3	1249	1357	0.05%	0.025%

Sum of corrected areas: 5470615

Data Path : I:\VOLATILES\VOA122\2020\200701A\
Data File : V22200701A21.D
Acq On : 01 Jul 2020 04:57 pm
Operator : VOA122:AJK
Sample : l2027694-04D,31,0.2,10,,a
Misc : WG1388388,ICAL16903
ALS Vial : 23 Sample Multiplier: 1

Quant Method : I:\VOLATILES\VOA122\2020\200701A\V122_200617N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p



Library Search Compound Report

Data Path : I:\VOLATILES\VOA122\2020\200701A\
Data File : V22200701A21.D
Acq On : 01 Jul 2020 04:57 pm
Operator : VOA122:AJK
Sample : l2027694-04D,31,0.2,10,,a
Misc : WG1388388,ICAL16903
ALS Vial : 23 Sample Multiplier: 1

Quant Method : I:\VOLATILES\VOA122\2020\200701A\V122_200617N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : I:\VOLATILES\VOA122\2020\200701A\
Data File : V22200701A21.D
Acq On : 01 Jul 2020 04:57 pm
Operator : VOA122:AJK
Sample : l2027694-04D,31,0.2,10,,a
Misc : WG1388388,ICAL16903
ALS Vial : 23 Sample Multiplier: 1

Quant Method : I:\VOLATILES\VOA122\2020\200701A\V122_200617N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

						Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2020\200701A\
Data File : V22200701A22.D
Acq On : 01 Jul 2020 05:22 pm
Operator : VOA122:AJK
Sample : l2027694-05D,31,0.01,10,,a
Misc : WG1388388,ICAL16903
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jul 01 21:06:19 2020
Quant Method : I:\VOLATILES\VOA122\2020\200701A\V122_200617N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jun 18 17:18:38 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2020\200701A\V22200701A01.D
Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.784	96	177611	10.000	ug/L	0.00
Standard Area 1 = 180591			Recovery = 98.35%			
62) Chlorobenzene-d5	9.306	117	151837	10.000	ug/L	0.00
Standard Area 1 = 157975			Recovery = 96.11%			
83) 1,4-Dichlorobenzene-d4	12.065	152	73736	10.000	ug/L	0.00
Standard Area 1 = 82999			Recovery = 88.84%			
System Monitoring Compounds						
38) Dibromofluoromethane	4.979	113	53134	10.766	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 107.66%			
46) 1,2-Dichloroethane-d4	5.494	65	51716	11.322	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 113.22%			
63) Toluene-d8	7.464	98	201921	9.638	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.38%			
87) 4-Bromofluorobenzene	10.827	95	63204	9.015	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 90.15%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	0.000		0	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	0.000		0	N.D.		
6) Chloroethane	0.000		0	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	0.000		0	N.D.		
12) Freon-113	0.000		0	N.D.		
15) Methylene chloride	0.000		0	N.D.		
17) Acetone	0.000		0	N.D.		
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
19) Methyl acetate	0.000		0	N.D.		
21) Methyl tert-butyl ether	0.000		0	N.D.		
25) 1,1-Dichloroethane	0.000		0	N.D.		
30) cis-1,2-Dichloroethene	0.000		0	N.D.		
32) Bromochloromethane	0.000		0	N.D.		
33) Cyclohexane	0.000		0	N.D.		
34) Chloroform	0.000		0	N.D.		
36) Carbon tetrachloride	0.000		0	N.D.		

Data Path : I:\VOLATILES\VOA122\2020\200701A\
Data File : V22200701A22.D
Acq On : 01 Jul 2020 05:22 pm
Operator : VOA122:AJK
Sample : l2027694-05D,31,0.01,10,,a
Misc : WG1388388,ICAL16903
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jul 01 21:06:19 2020
Quant Method : I:\VOLATILES\VOA122\2020\200701A\V122_200617N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jun 18 17:18:38 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2020\200701A\V22200701A01.D
Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) 1,1,1-Trichloroethane	0.000		0	N.D.		
41) 2-Butanone	0.000		0	N.D.		
44) Benzene	0.000		0	N.D.		
47) 1,2-Dichloroethane	0.000		0	N.D.		
50) Methyl cyclohexane	0.000		0	N.D. d		
51) Trichloroethene	5.957	95	382175	89.219	ug/L	90
54) 1,2-Dichloropropane	0.000		0	N.D.		
57) Bromodichloromethane	0.000		0	N.D.		
60) 1,4-Dioxane	0.000		0	N.D.		
61) cis-1,3-Dichloropropene	0.000		0	N.D.		
64) Toluene	0.000		0	N.D.		
65) 4-Methyl-2-pentanone	0.000		0	N.D.		
66) Tetrachloroethene	7.972	166	8235	1.684	ug/L	97
68) trans-1,3-Dichloropropene	0.000		0	N.D.		
71) 1,1,2-Trichloroethane	0.000		0	N.D.		
72) Chlorodibromomethane	0.000		0	N.D.		
74) 1,2-Dibromoethane	0.000		0	N.D.		
76) 2-Hexanone	0.000		0	N.D.		
77) Chlorobenzene	0.000		0	N.D.		
78) Ethylbenzene	0.000		0	N.D.		
80) p/m Xylene	0.000		0	N.D.		
81) o Xylene	0.000		0	N.D.		
82) Styrene	0.000		0	N.D.		
84) Bromoform	0.000		0	N.D.		
86) Isopropylbenzene	0.000		0	N.D.		
91) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
104) 1,3-Dichlorobenzene	0.000		0	N.D.		
105) 1,4-Dichlorobenzene	0.000		0	N.D.		
108) 1,2-Dichlorobenzene	0.000		0	N.D.		
110) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
113) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
115) 1,2,3-Trichlorobenzene	0.000		0	N.D.		

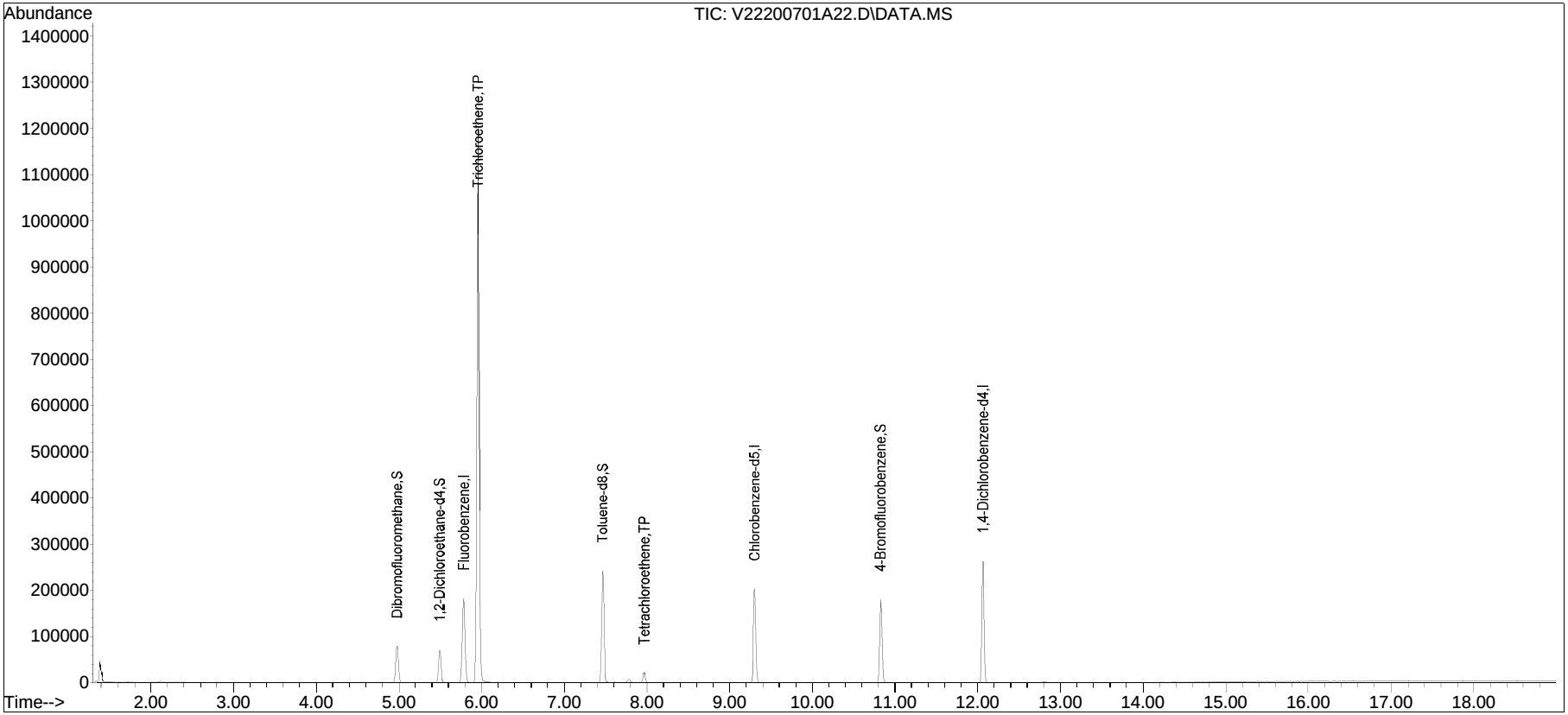
(#) = qualifier out of range (m) = manual integration (+) = signals summed

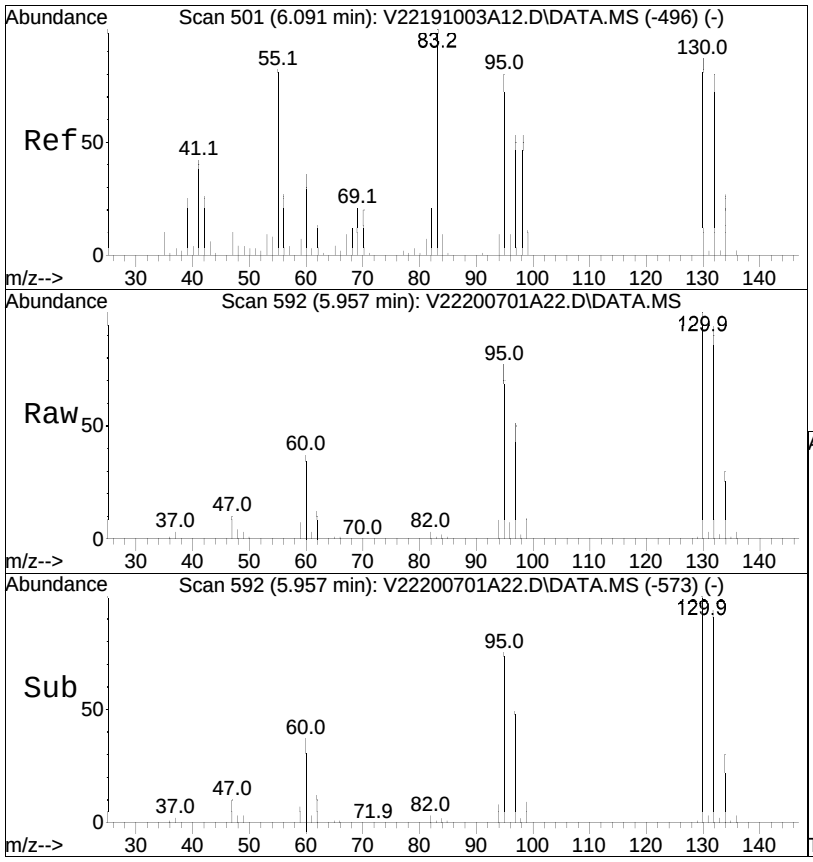
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2020\200701A\
Data File : V22200701A22.D
Acq On : 01 Jul 2020 05:22 pm
Operator : VOA122:AJK
Sample : l2027694-05D,31,0.01,10,,a
Misc : WG1388388,ICAL16903
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jul 01 21:06:19 2020
Quant Method : I:\VOLATILES\VOA122\2020\200701A\V122_200617N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jun 18 17:18:38 2020
Response via : Initial Calibration

Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

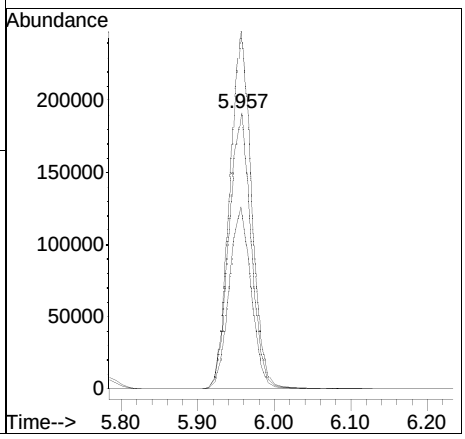


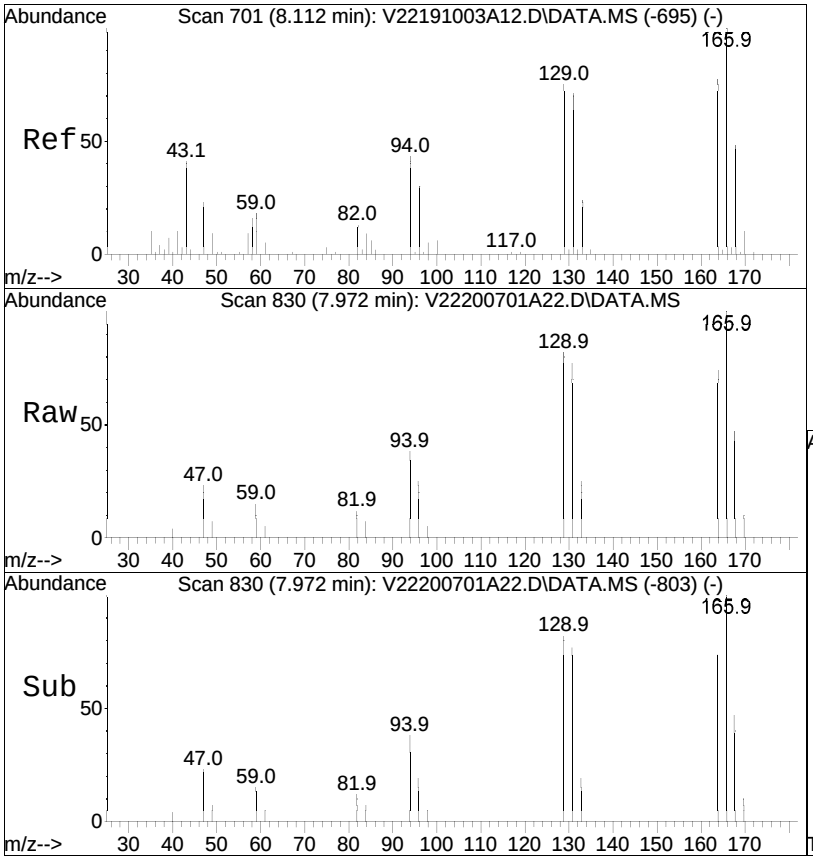


#51
Trichloroethene
Concen: 89.22 ug/L
RT: 5.957 min Scan# 592
Delta R.T. 0.000 min
Lab File: V22200701A22.D
Acq: 01 Jul 2020 05:22 pm

Tgt Ion: 95 Resp: 382175

Ion	Ratio	Lower	Upper
95	100		
97	66.0	55.0	82.4
130	127.4	89.2	133.8

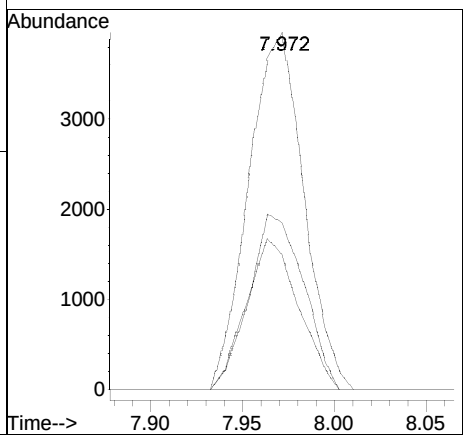




#66
Tetrachloroethene
Concen: 1.68 ug/L
RT: 7.972 min Scan# 830
Delta R.T. 0.008 min
Lab File: V22200701A22.D
Acq: 01 Jul 2020 05:22 pm

Tgt Ion:166 Resp: 8235

Ion	Ratio	Lower	Upper
166	100		
168	49.0	27.8	67.8
94	39.8	16.7	56.7



Manual Integration Report

Data Path	: I:\VOLATILES\VOA122\2020\2	Method	: V122_200617N_8260.m
Data File	: V22200701A22.D	Operator	: VOA122:AJK
Date Inj'd	: 7/1/2020 5:22 pm	Instrument	: VOA122
Sample	: l2027694-05D,31,0.01,10,,a	Quant Date	: 7/1/2020 8:53 pm

There are no manual integrations or false positives in this file.

LSC Area Percent Report

Data Path : I:\VOLATILES\VOA122\2020\200701A\
Data File : V22200701A22.D
Acq On : 01 Jul 2020 05:22 pm
Operator : VOA122:AJK
Sample : l2027694-05D,31,0.01,10,,a
Misc : WG1388388,ICAL16903
ALS Vial : 24 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 500 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : I:\VOLATILES\VOA122\2020\200701A\V122_200617N_8260.m
Title : VOLATILES BY GC/MS

Signal : TIC: V22200701A22.D\DATA.MS

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.717	51	55	58	rVV2	1446	1870	0.08%	0.038%
2	2.123	100	107	110	rVB	2267	4191	0.18%	0.086%
3	2.208	117	118	124	rVB2	472	869	0.04%	0.018%
4	2.435	142	147	150	rVB	241	550	0.02%	0.011%
5	3.012	219	221	224	rVB	444	642	0.03%	0.013%
6	3.059	224	227	231	rBV2	390	1092	0.05%	0.022%
7	3.332	259	262	269	rBV2	406	1144	0.05%	0.023%
8	3.418	270	273	275	rVB	402	518	0.02%	0.011%
9	3.449	276	277	284	rBB	425	981	0.04%	0.020%
10	3.520	285	286	293	rBB	360	792	0.03%	0.016%
11	3.590	294	295	301	rBB2	455	1026	0.04%	0.021%
12	3.746	313	315	322	rVB	327	773	0.03%	0.016%
13	3.824	323	325	334	rBB2	414	1152	0.05%	0.024%
14	3.964	339	343	344	rBV	354	514	0.02%	0.011%
15	3.988	344	346	350	rVB	373	640	0.03%	0.013%
16	4.128	357	364	366	rBB	401	1091	0.05%	0.022%
17	4.160	366	368	371	rBB	391	581	0.02%	0.012%
18	4.222	371	376	378	rBV	345	728	0.03%	0.015%
19	4.269	378	382	383	rVB	388	696	0.03%	0.014%
20	4.378	392	396	399	rBB2	362	632	0.03%	0.013%
21	4.542	414	417	422	rBV	1425	2269	0.10%	0.046%
22	4.643	425	430	434	rBV	407	938	0.04%	0.019%
23	4.698	434	437	438	rVB	430	508	0.02%	0.010%
24	4.721	438	440	442	rBB	555	625	0.03%	0.013%
25	4.753	442	444	448	rBV	337	663	0.03%	0.014%
26	4.846	453	456	458	rVB	363	522	0.02%	0.011%
27	4.971	464	472	484	rBB	79111	166995	7.01%	3.415%
28	5.112	488	490	493	rBV	528	634	0.03%	0.013%

Data Path : I:\VOLATILES\VOA122\2020\200701A\
Data File : V22200701A22.D
Acq On : 01 Jul 2020 05:22 pm
Operator : VOA122:AJK
Sample : l2027694-05D,31,0.01,10,,a
Misc : WG1388388,ICAL16903
ALS Vial : 24 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 500 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : I:\VOLATILES\VOA122\2020\200701A\V122_200617N_8260.m
Title : VOLATILES BY GC/MS

29	5.213	500	503	506	rBB	371	674	0.03%	0.014%
30	5.494	532	539	548	rBB	71510	145562	6.11%	2.977%
31	5.572	548	549	553	rBB	508	782	0.03%	0.016%
32	5.784	565	572	584	rBV	181813	368727	15.47%	7.541%
33	5.957	584	592	615	rVB	1190064	2382843	100.00%	48.732%
34	6.199	616	620	623	rBV	349	610	0.03%	0.012%
35	6.632	665	670	673	rBB	356	635	0.03%	0.013%
36	6.727	675	681	682	rBB	348	642	0.03%	0.013%
37	6.753	682	684	688	rBV	272	602	0.03%	0.012%
38	7.271	741	744	747	rBB	383	563	0.02%	0.012%
39	7.464	756	765	780	rBB	242765	536108	22.50%	10.964%
40	7.605	780	783	785	rBV	369	501	0.02%	0.010%
41	7.784	797	806	815	rBB	6341	15910	0.67%	0.325%
42	7.972	824	830	837	rBB	22027	46320	1.94%	0.947%
43	8.252	862	866	871	rBB	362	633	0.03%	0.013%
44	8.315	871	874	880	rBB	181	555	0.02%	0.011%
45	8.970	954	958	963	rBB	365	642	0.03%	0.013%
46	9.306	991	1001	1010	rBV	202377	420574	17.65%	8.601%
47	9.399	1012	1013	1017	rVB	567	565	0.02%	0.012%
48	9.532	1024	1030	1034	rBB	351	721	0.03%	0.015%
49	10.304	1125	1129	1134	rBB	341	714	0.03%	0.015%
50	10.398	1138	1141	1147	rBB	313	619	0.03%	0.013%
51	10.570	1159	1161	1165	rVB	344	569	0.02%	0.012%
52	10.749	1180	1184	1188	rBB	349	654	0.03%	0.013%
53	10.827	1188	1194	1206	rBB	180469	314698	13.21%	6.436%
54	11.038	1217	1221	1223	rBB	341	551	0.02%	0.011%
55	11.741	1305	1311	1312	rVB	351	727	0.03%	0.015%
56	11.811	1316	1320	1325	rBB2	321	752	0.03%	0.015%
57	11.974	1337	1340	1344	rBV	349	512	0.02%	0.010%
58	12.065	1346	1353	1371	rVB	262934	415346	17.43%	8.494%
59	12.803	1451	1459	1465	rBB	1919	4075	0.17%	0.083%
60	13.032	1488	1492	1498	rBB	309	714	0.03%	0.015%

LSC Area Percent Report

Data Path : I:\VOLATILES\VOA122\2020\200701A\
Data File : V22200701A22.D
Acq On : 01 Jul 2020 05:22 pm
Operator : VOA122:AJK
Sample : l2027694-05D,31,0.01,10,,a
Misc : WG1388388,ICAL16903
ALS Vial : 24 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 500 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : I:\VOLATILES\VOA122\2020\200701A\V122_200617N_8260.m
Title : VOLATILES BY GC/MS

61	13.220	1514	1519	1521	rBB	537	718	0.03%	0.015%
62	13.429	1548	1549	1554	rBB	559	517	0.02%	0.011%
63	13.624	1574	1577	1579	rBV	369	510	0.02%	0.010%
64	13.659	1579	1582	1587	rVV	472	698	0.03%	0.014%
65	13.847	1606	1609	1611	rBV	366	538	0.02%	0.011%
66	14.014	1631	1633	1638	rBV	378	670	0.03%	0.014%
67	14.084	1638	1643	1645	rBV	404	580	0.02%	0.012%
68	14.174	1651	1656	1658	rBV	354	551	0.02%	0.011%
69	14.237	1663	1665	1669	rVB2	595	614	0.03%	0.013%
70	14.369	1679	1684	1688	rBV	1635	2859	0.12%	0.058%
71	14.550	1703	1710	1712	rBV	535	1285	0.05%	0.026%
72	14.654	1723	1725	1726	rBV	640	500	0.02%	0.010%
73	14.717	1732	1734	1736	rBV	588	512	0.02%	0.010%
74	14.807	1744	1747	1749	rBV2	539	658	0.03%	0.013%
75	14.877	1754	1757	1759	rBV3	769	941	0.04%	0.019%
76	14.912	1759	1762	1767	rBV3	608	1093	0.05%	0.022%
77	14.968	1767	1770	1772	rBV2	663	803	0.03%	0.016%
78	15.044	1776	1781	1785	rVB3	962	2102	0.09%	0.043%
79	15.079	1785	1786	1789	rBV3	1049	1049	0.04%	0.021%
80	15.155	1796	1797	1799	rBV2	567	536	0.02%	0.011%
81	15.246	1808	1810	1813	rBV3	928	1186	0.05%	0.024%
82	15.378	1826	1829	1832	rBV4	1057	1021	0.04%	0.021%
83	15.413	1832	1834	1841	rVB4	1302	1912	0.08%	0.039%
84	15.573	1856	1857	1861	rBV3	933	1471	0.06%	0.030%
85	15.838	1892	1895	1896	rBV3	647	629	0.03%	0.013%
86	15.866	1897	1899	1902	rVV3	514	630	0.03%	0.013%
87	16.297	1959	1961	1963	rBV2	1014	1322	0.06%	0.027%
88	16.624	2007	2008	2012	rBV4	932	1006	0.04%	0.021%
89	17.808	2173	2178	2180	rBV4	1165	2675	0.11%	0.055%
90	18.128	2222	2224	2227	rBV4	958	1395	0.06%	0.029%
91	18.358	2254	2257	2260	rBV2	784	989	0.04%	0.020%

LSC Area Percent Report

Data Path : I:\VOLATILES\VOA122\2020\200701A\
Data File : V22200701A22.D
Acq On : 01 Jul 2020 05:22 pm
Operator : VOA122:AJK
Sample : l2027694-05D,31,0.01,10,,a
Misc : WG1388388,ICAL16903
ALS Vial : 24 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 500 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : I:\VOLATILES\VOA122\2020\200701A\V122_200617N_8260.m
Title : VOLATILES BY GC/MS

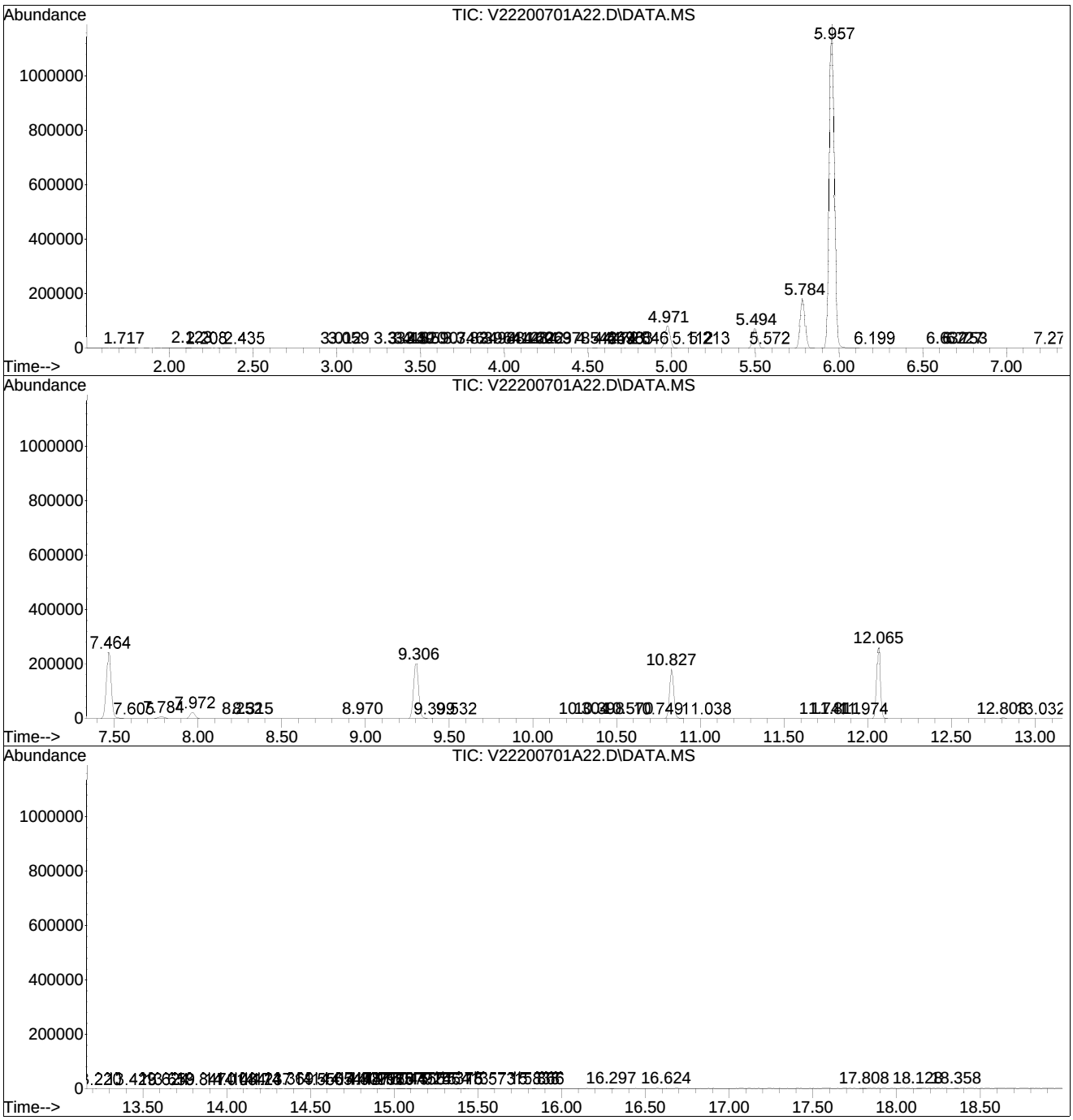
Sum of corrected areas: 4889706

LSC Report - Integrated Chromatogram

Data Path : I:\VOLATILES\VOA122\2020\200701A\
Data File : V22200701A22.D
Acq On : 01 Jul 2020 05:22 pm
Operator : VOA122:AJK
Sample : l2027694-05D,31,0.01,10,,a
Misc : WG1388388,ICAL16903
ALS Vial : 24 Sample Multiplier: 1

Quant Method : I:\VOLATILES\VOA122\2020\200701A\V122_200617N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p



Library Search Compound Report

Data Path : I:\VOLATILES\VOA122\2020\200701A\
Data File : V22200701A22.D
Acq On : 01 Jul 2020 05:22 pm
Operator : VOA122:AJK
Sample : l2027694-05D,31,0.01,10,,a
Misc : WG1388388,ICAL16903
ALS Vial : 24 Sample Multiplier: 1

Quant Method : I:\VOLATILES\VOA122\2020\200701A\V122_200617N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : I:\VOLATILES\VOA122\2020\200701A\
Data File : V22200701A22.D
Acq On : 01 Jul 2020 05:22 pm
Operator : VOA122:AJK
Sample : l2027694-05D,31,0.01,10,,a
Misc : WG1388388,ICAL16903
ALS Vial : 24 Sample Multiplier: 1

Quant Method : I:\VOLATILES\VOA122\2020\200701A\V122_200617N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Quantitation Report (QT/LSC Reviewed)

Data Path : I:\VOLATILES\VOA122\2020\200701A\
Data File : V22200701A24.D
Acq On : 01 Jul 2020 06:11 pm
Operator : VOA122:AJK
Sample : l2027694-06D,31,4,10,,a
Misc : WG1388388,ICAL16903
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jul 01 21:08:59 2020
Quant Method : I:\VOLATILES\VOA122\2020\200701A\V122_200617N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jun 18 17:18:38 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2020\200701A\V22200701A01.D
Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.784	96	176106	10.000 ug/L	0.00
Standard Area 1 = 180591			Recovery = 97.52%		
62) Chlorobenzene-d5	9.306	117	150448	10.000 ug/L	0.00
Standard Area 1 = 157975			Recovery = 95.24%		
83) 1,4-Dichlorobenzene-d4	12.065	152	74466	10.000 ug/L	0.00
Standard Area 1 = 82999			Recovery = 89.72%		
System Monitoring Compounds					
38) Dibromofluoromethane	4.971	113	52294	10.687 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 106.87%		
46) 1,2-Dichloroethane-d4	5.494	65	50439	11.137 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 111.37%		
63) Toluene-d8	7.464	98	196460	9.464 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.64%		
87) 4-Bromofluorobenzene	10.828	95	63314	8.942 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 89.42%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.	
3) Chloromethane	0.000		0	N.D.	
4) Vinyl chloride	1.764	62	17255	4.324 ug/L	98
5) Bromomethane	0.000		0	N.D.	
6) Chloroethane	0.000		0	N.D.	
7) Trichlorofluoromethane	0.000		0	N.D.	
10) 1,1-Dichloroethene	0.000		0	N.D.	
11) Carbon disulfide	2.802	76	708	0.082 ug/L #	73
12) Freon-113	0.000		0	N.D.	
15) Methylene chloride	0.000		0	N.D.	
17) Acetone	3.356	43	988	1.372 ug/L #	46
18) trans-1,2-Dichloroethene	3.465	96	8282	2.166 ug/L	90
19) Methyl acetate	0.000		0	N.D. d	
21) Methyl tert-butyl ether	0.000		0	N.D.	
25) 1,1-Dichloroethane	0.000		0	N.D.	
30) cis-1,2-Dichloroethene	4.542	96	51008	12.358 ug/L #	84
32) Bromochloromethane	0.000		0	N.D.	
33) Cyclohexane	0.000		0	N.D.	
34) Chloroform	4.800	83	1897	0.303 ug/L #	84
36) Carbon tetrachloride	0.000		0	N.D.	

Quantitation Report (QT/LSC Reviewed)

Data Path : I:\VOLATILES\VOA122\2020\200701A\
Data File : V22200701A24.D
Acq On : 01 Jul 2020 06:11 pm
Operator : VOA122:AJK
Sample : l2027694-06D,31,4,10,,a
Misc : WG1388388,ICAL16903
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jul 01 21:08:59 2020
Quant Method : I:\VOLATILES\VOA122\2020\200701A\V122_200617N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jun 18 17:18:38 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2020\200701A\V22200701A01.D
Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) 1,1,1-Trichloroethane	0.000		0	N.D.		
41) 2-Butanone	5.104	43	1212	1.029	ug/L #	22
44) Benzene	0.000		0	N.D.		
47) 1,2-Dichloroethane	0.000		0	N.D.		
50) Methyl cyclohexane	0.000		0	N.D. d		
51) Trichloroethene	5.957	95	372443	87.690	ug/L	89
54) 1,2-Dichloropropane	0.000		0	N.D.		
57) Bromodichloromethane	0.000		0	N.D.		
60) 1,4-Dioxane	0.000		0	N.D.		
61) cis-1,3-Dichloropropene	0.000		0	N.D.		
64) Toluene	0.000		0	N.D.		
65) 4-Methyl-2-pentanone	0.000		0	N.D.		
66) Tetrachloroethene	7.972	166	258005	53.253	ug/L	97
68) trans-1,3-Dichloropropene	0.000		0	N.D.		
71) 1,1,2-Trichloroethane	0.000		0	N.D.		
72) Chlorodibromomethane	0.000		0	N.D.		
74) 1,2-Dibromoethane	0.000		0	N.D.		
76) 2-Hexanone	0.000		0	N.D.		
77) Chlorobenzene	0.000		0	N.D.		
78) Ethylbenzene	0.000		0	N.D.		
80) p/m Xylene	0.000		0	N.D.		
81) o Xylene	0.000		0	N.D.		
82) Styrene	0.000		0	N.D.		
84) Bromoform	0.000		0	N.D.		
86) Isopropylbenzene	10.515	105	892	0.075	ug/L #	47
91) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
104) 1,3-Dichlorobenzene	0.000		0	N.D.		
105) 1,4-Dichlorobenzene	0.000		0	N.D.		
108) 1,2-Dichlorobenzene	0.000		0	N.D.		
110) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
113) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
115) 1,2,3-Trichlorobenzene	0.000		0	N.D.		

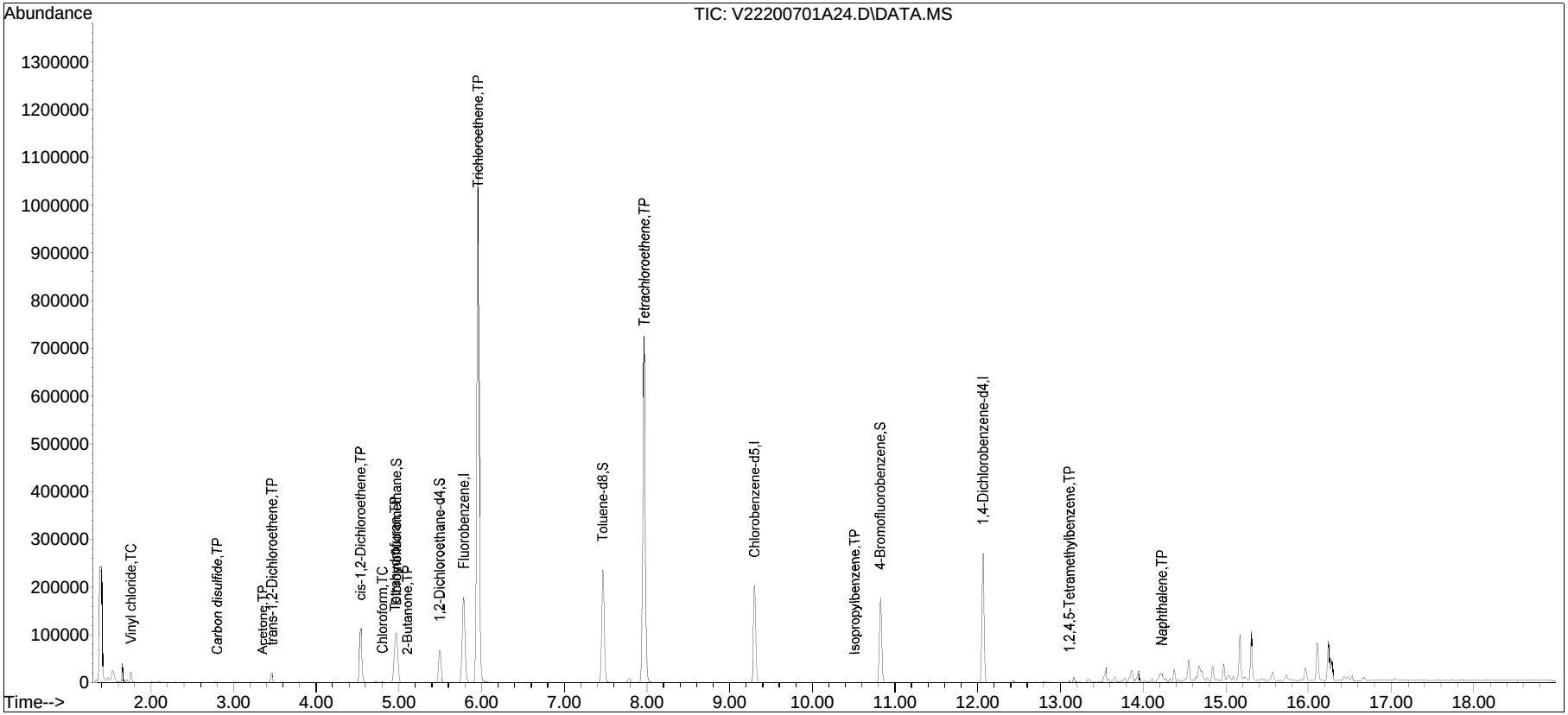
(#) = qualifier out of range (m) = manual integration (+) = signals summed

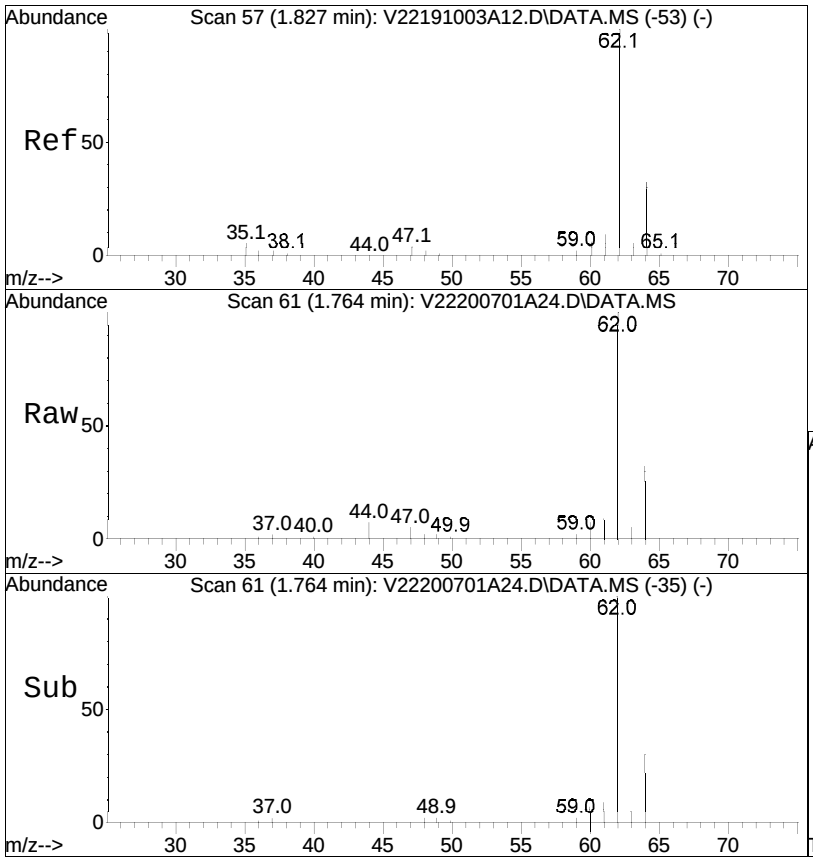
Quantitation Report (QT/LSC Reviewed)

Data Path : I:\VOLATILES\VOA122\2020\200701A\
Data File : V22200701A24.D
Acq On : 01 Jul 2020 06:11 pm
Operator : VOA122:AJK
Sample : l2027694-06D,31,4,10,,a
Misc : WG1388388,ICAL16903
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jul 01 21:08:59 2020
Quant Method : I:\VOLATILES\VOA122\2020\200701A\V122_200617N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jun 18 17:18:38 2020
Response via : Initial Calibration

Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

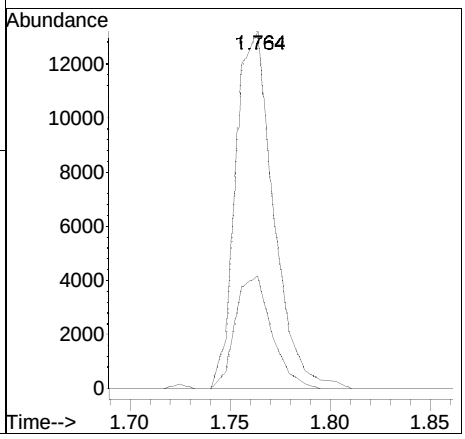


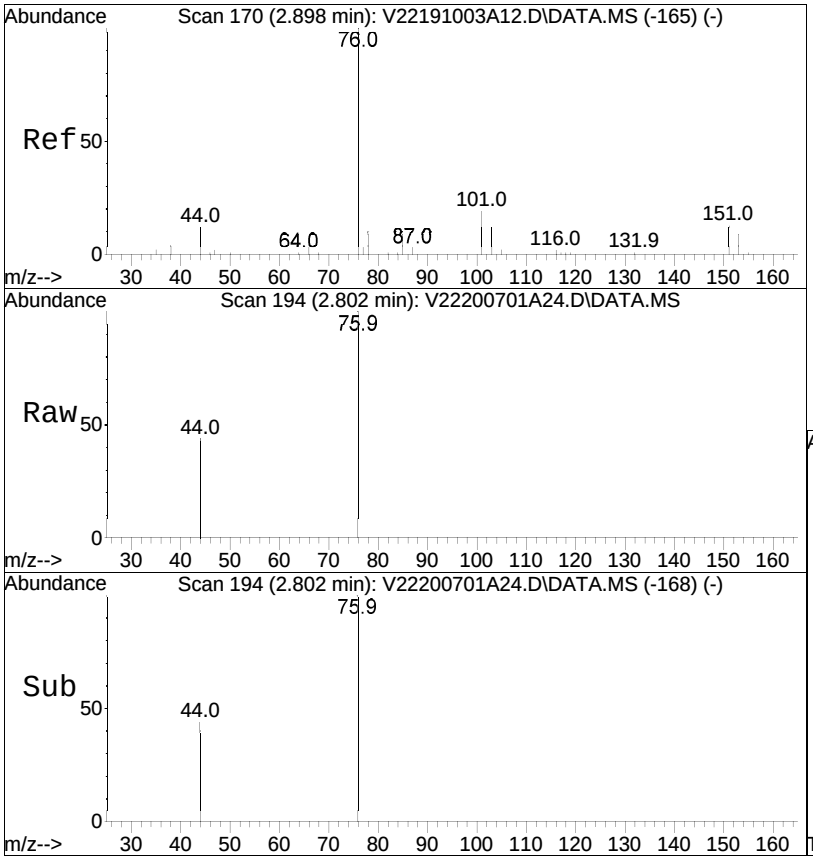


#4
Vinyl chloride
Concen: 4.32 ug/L
RT: 1.764 min Scan# 61
Delta R.T. -0.000 min
Lab File: V22200701A24.D
Acq: 01 Jul 2020 06:11 pm

Tgt Ion: 62 Resp: 17255

Ion	Ratio	Lower	Upper
62	100		
64	31.0	12.0	52.0

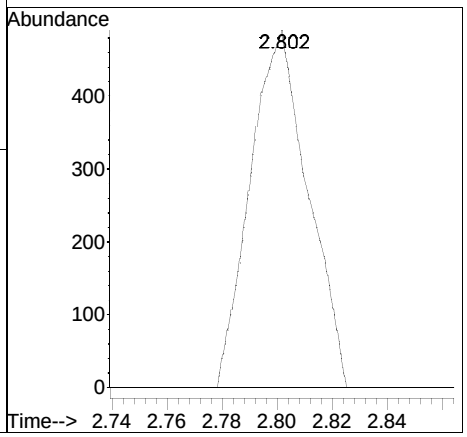


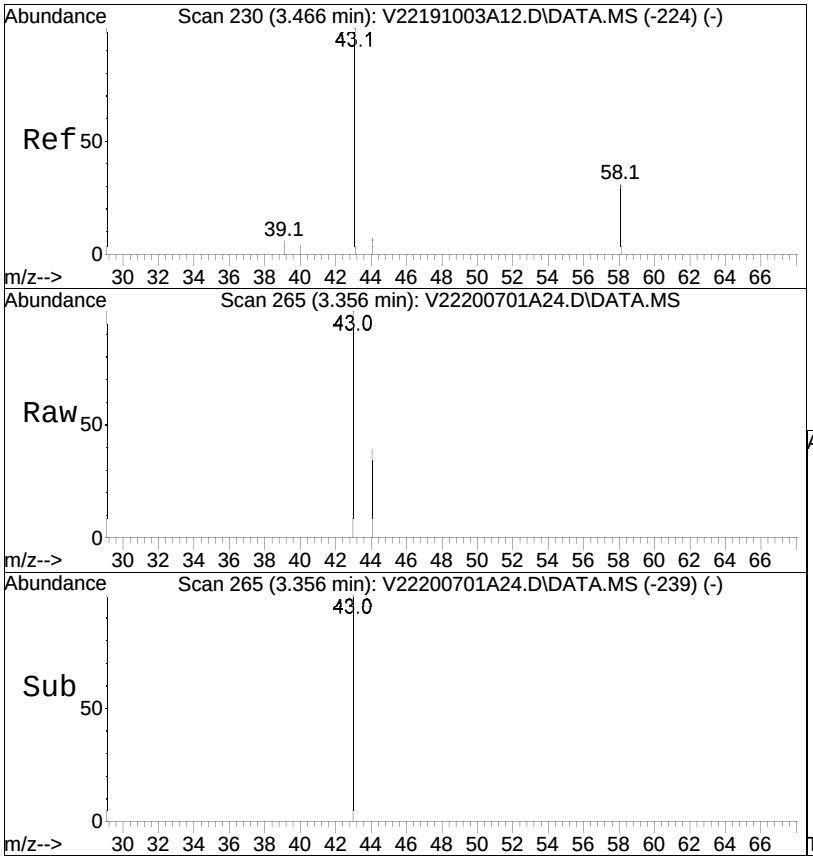


#11
Carbon disulfide
Concen: 0.08 ug/L
RT: 2.802 min Scan# 194
Delta R.T. -0.000 min
Lab File: V22200701A24.D
Acq: 01 Jul 2020 06:11 pm

Tgt Ion: 76 Resp: 708

Ion	Ratio	Lower	Upper
76	100		
78	0.0	6.4	13.4#

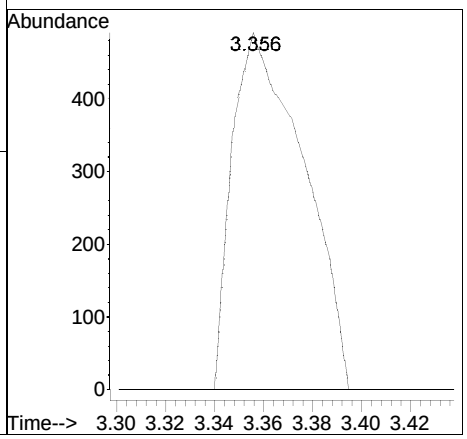


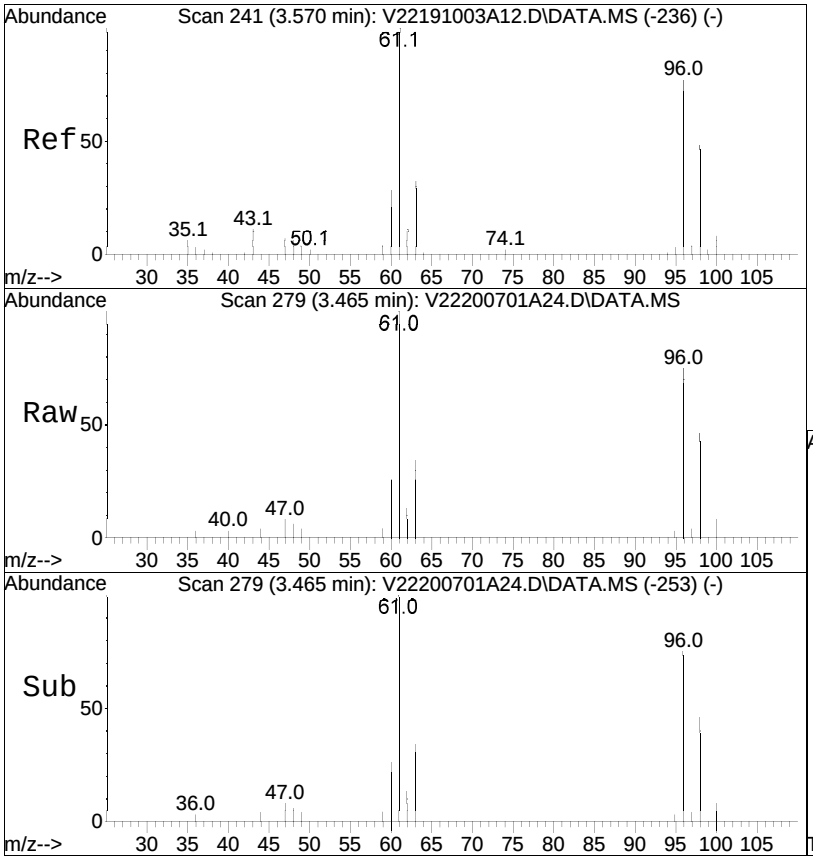


#17
Acetone
Concen: 1.37 ug/L
RT: 3.356 min Scan# 265
Delta R.T. -0.000 min
Lab File: V22200701A24.D
Acq: 01 Jul 2020 06:11 pm

Tgt Ion: 43 Resp: 988

Ion	Ratio	Lower	Upper
43	100		
58	0.0	23.1	34.7#

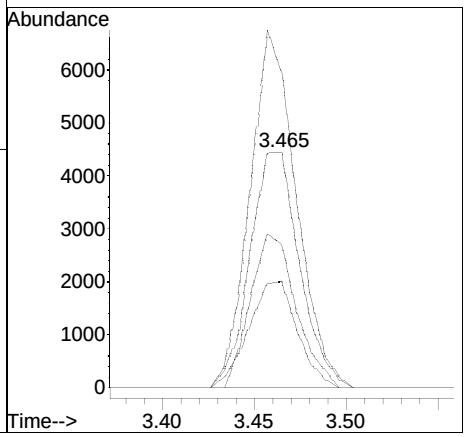


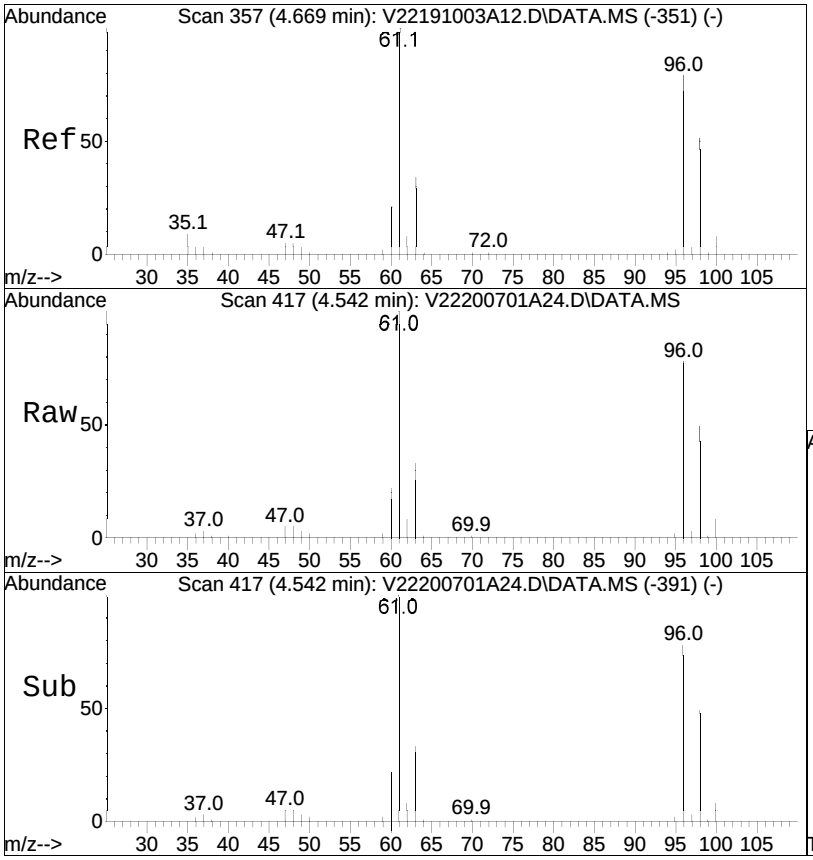


#18
trans-1,2-Dichloroethene
Concen: 2.17 ug/L
RT: 3.465 min Scan# 279
Delta R.T. 0.000 min
Lab File: V22200701A24.D
Acq: 01 Jul 2020 06:11 pm

Tgt Ion: 96 Resp: 8282

Ion	Ratio	Lower	Upper
96	100		
61	141.7	81.6	169.6
98	60.5	41.8	86.8
63	44.6	26.3	54.7

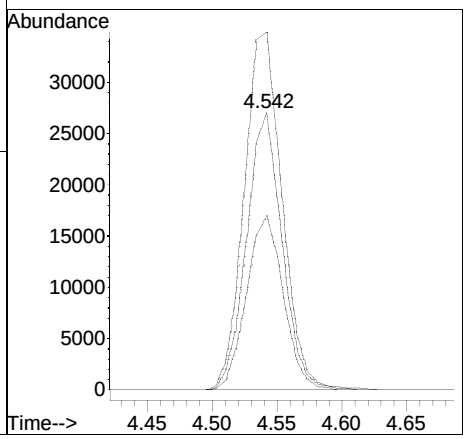


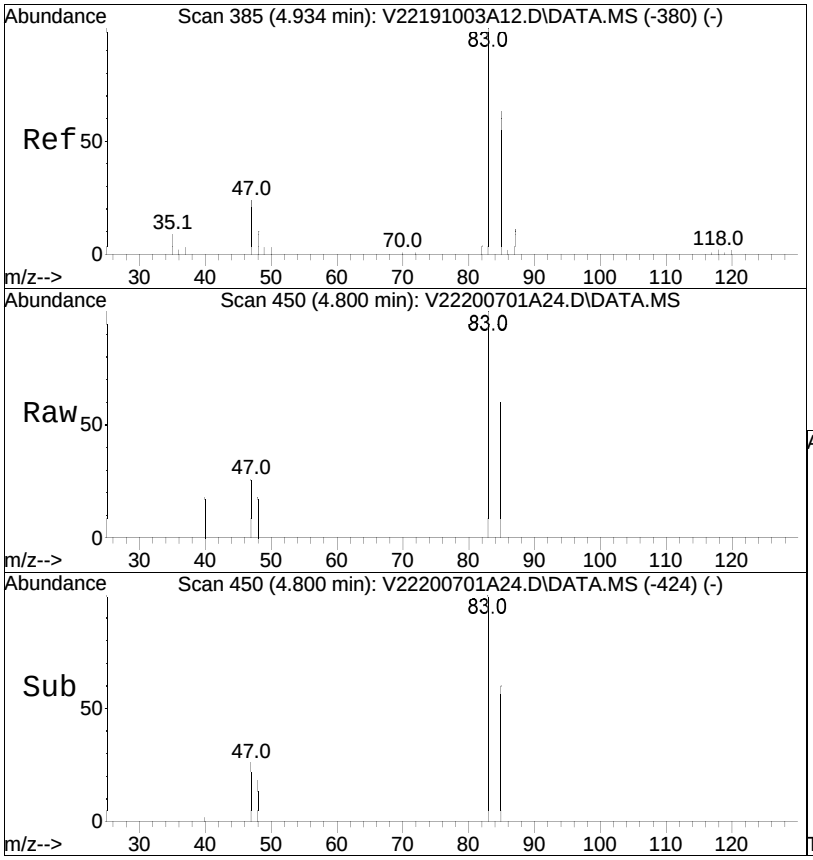


#30
cis-1,2-Dichloroethene
Concen: 12.36 ug/L
RT: 4.542 min Scan# 417
Delta R.T. 0.000 min
Lab File: V22200701A24.D
Acq: 01 Jul 2020 06:11 pm

Tgt Ion: 96 Resp: 51008

Ion	Ratio	Lower	Upper
96	100		
61	137.7	90.3	135.5#
98	65.3	50.8	76.2

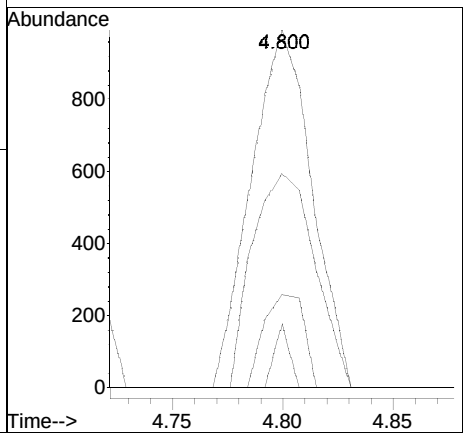


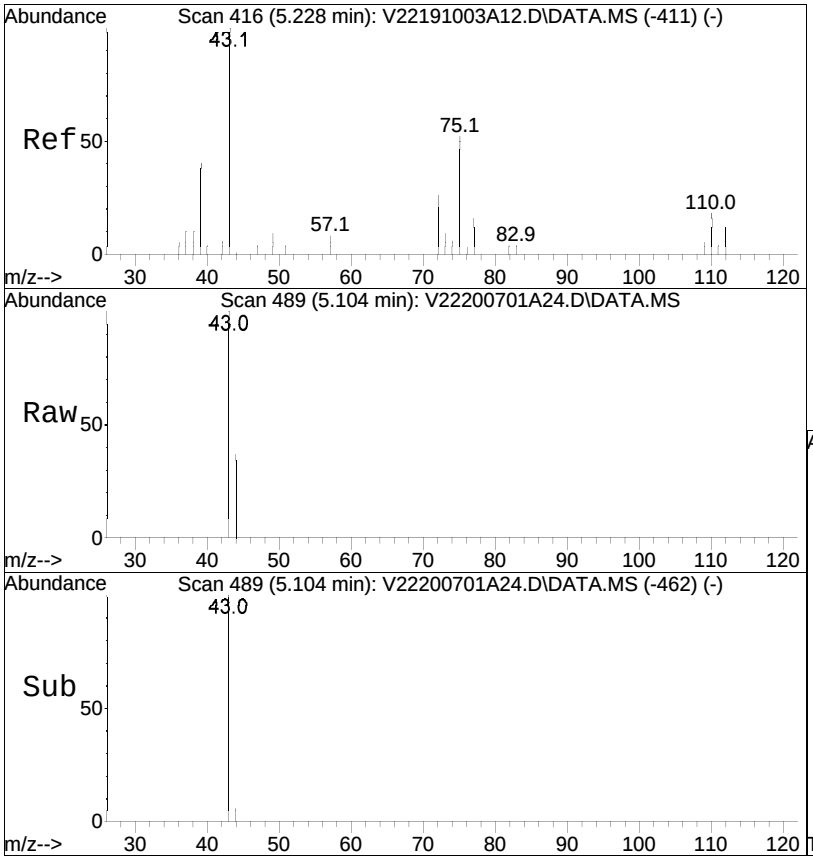


#34
Chloroform
Concen: 0.30 ug/L
RT: 4.800 min Scan# 450
Delta R.T. -0.000 min
Lab File: V22200701A24.D
Acq: 01 Jul 2020 06:11 pm

Tgt Ion: 83 Resp: 1897

Ion	Ratio	Lower	Upper
83	100		
85	61.5	42.4	88.2
47	0.0	14.0	29.0#
48	0.0	6.9	14.3#

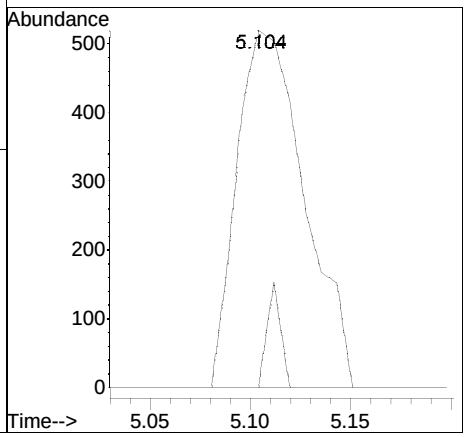


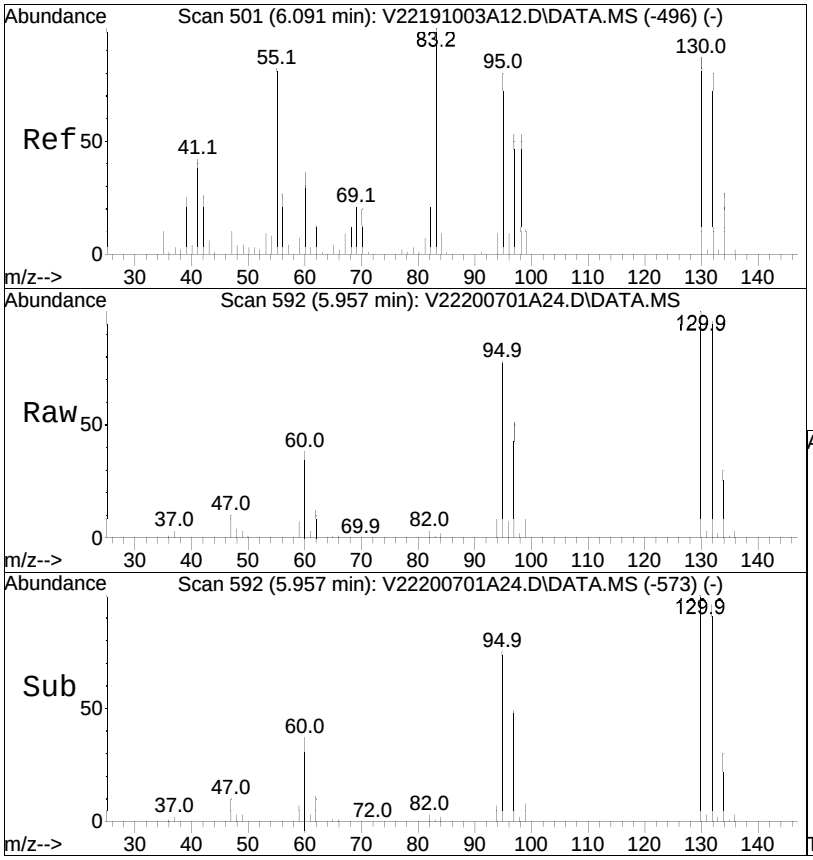


#41
2-Butanone
Concen: 1.03 ug/L
RT: 5.104 min Scan# 489
Delta R.T. 0.008 min
Lab File: V22200701A24.D
Acq: 01 Jul 2020 06:11 pm

Tgt Ion: 43 Resp: 1212

Ion	Ratio	Lower	Upper
43	100		
72	0.0	45.8	68.8#

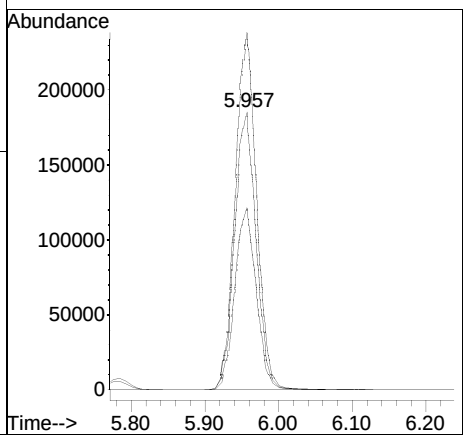


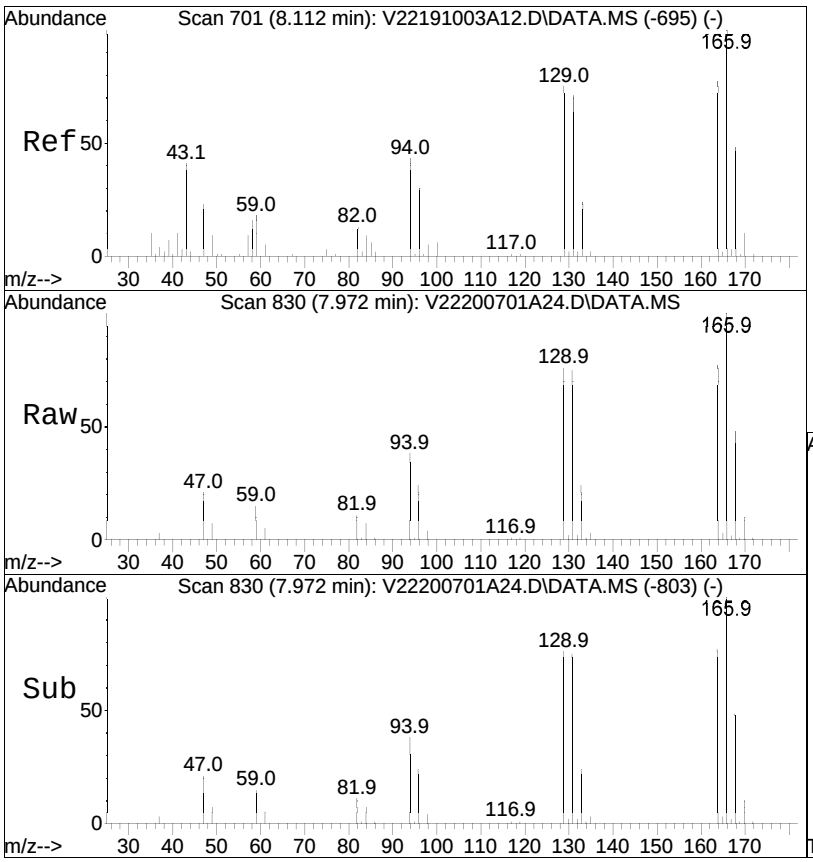


#51
Trichloroethene
Concen: 87.69 ug/L
RT: 5.957 min Scan# 592
Delta R.T. 0.000 min
Lab File: V22200701A24.D
Acq: 01 Jul 2020 06:11 pm

Tgt Ion: 95 Resp: 372443

Ion	Ratio	Lower	Upper
95	100		
97	65.4	55.0	82.4
130	127.7	89.2	133.8

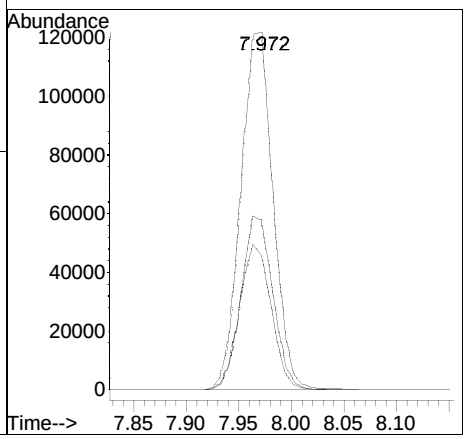


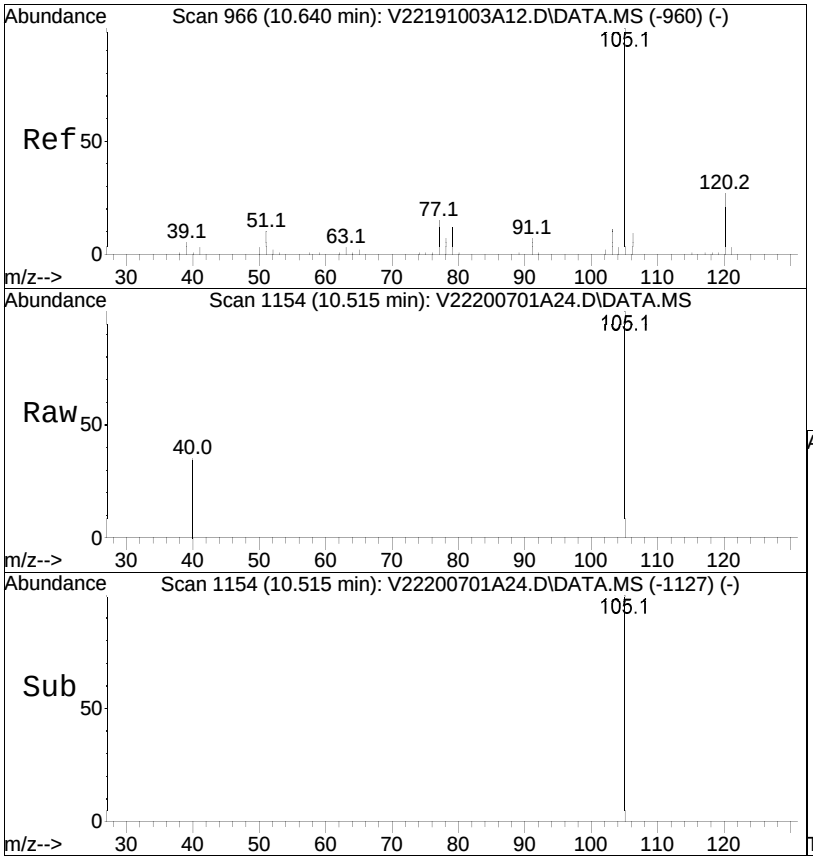


#66
Tetrachloroethene
Concen: 53.25 ug/L
RT: 7.972 min Scan# 830
Delta R.T. 0.008 min
Lab File: V22200701A24.D
Acq: 01 Jul 2020 06:11 pm

Tgt Ion:166 Resp: 258005

Ion	Ratio	Lower	Upper
166	100		
168	48.1	27.8	67.8
94	40.3	16.7	56.7

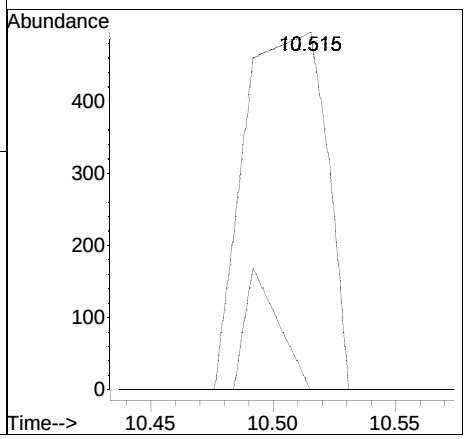




#86
Isopropylbenzene
Concen: 0.07 ug/L
RT: 10.515 min Scan# 1154
Delta R.T. 0.023 min
Lab File: V22200701A24.D
Acq: 01 Jul 2020 06:11 pm

Tgt Ion:105 Resp: 892

Ion	Ratio	Lower	Upper
105	100		
120	0.0	7.7	47.7#



LSC Area Percent Report

Data Path : I:\VOLATILES\VOA122\2020\200701A\
Data File : V22200701A24.D
Acq On : 01 Jul 2020 06:11 pm
Operator : VOA122:AJK
Sample : l2027694-06D,31,4,10,,a
Misc : WG1388388,ICAL16903
ALS Vial : 26 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 500 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : I:\VOLATILES\VOA122\2020\200701A\V122_200617N_8260.m
Title : VOLATILES BY GC/MS

Signal : TIC: V22200701A24.D\DATA.MS

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.537	30	32	39	rVB	24792	47349	2.05%	0.564%
2	1.615	39	42	43	rVV2	1247	1434	0.06%	0.017%
3	1.647	43	46	52	rVV	39173	50046	2.16%	0.596%
4	1.717	52	55	58	rVV	5827	6326	0.27%	0.075%
5	1.764	58	61	69	rVB	22466	28952	1.25%	0.345%
6	2.013	90	93	99	rVB	1814	2939	0.13%	0.035%
7	2.115	99	106	113	rBV3	2596	6204	0.27%	0.074%
8	2.294	125	129	132	rBV	1023	1367	0.06%	0.016%
9	2.770	186	190	201	rBV5	879	2885	0.12%	0.034%
10	3.317	255	260	263	rBV	746	974	0.04%	0.012%
11	3.364	263	266	272	rVB	578	1306	0.06%	0.016%
12	3.457	272	278	285	rBV	20857	37264	1.61%	0.444%
13	3.535	287	288	294	rVB	341	690	0.03%	0.008%
14	3.629	298	300	305	rBB	346	700	0.03%	0.008%
15	4.542	410	417	433	rBB	114627	225240	9.73%	2.681%
16	4.722	433	440	445	rBV2	2081	4665	0.20%	0.056%
17	4.800	445	450	455	rVB2	2193	4612	0.20%	0.055%
18	4.964	462	471	484	rVB2	104769	290515	12.56%	3.458%
19	5.112	484	490	497	rBV	822	2430	0.11%	0.029%
20	5.362	517	522	524	rBV	605	850	0.04%	0.010%
21	5.494	533	539	548	rVB	68981	139988	6.05%	1.666%
22	5.784	562	572	582	rBV	179688	368580	15.93%	4.387%
23	5.957	585	592	613	rVB	1150731	2313854	100.00%	27.542%
24	6.303	628	632	637	rBB	384	839	0.04%	0.010%
25	6.424	641	646	649	rBV	328	804	0.03%	0.010%
26	7.073	715	721	726	rBB	369	1069	0.05%	0.013%
27	7.464	758	765	781	rBV	237276	525467	22.71%	6.255%
28	7.784	798	806	814	rBB2	6346	16530	0.71%	0.197%

LSC Area Percent Report

Data Path : I:\VOLATILES\VOA122\2020\200701A\
Data File : V22200701A24.D
Acq On : 01 Jul 2020 06:11 pm
Operator : VOA122:AJK
Sample : l2027694-06D,31,4,10,,a
Misc : WG1388388,ICAL16903
ALS Vial : 26 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 500 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : I:\VOLATILES\VOA122\2020\200701A\V122_200617N_8260.m
Title : VOLATILES BY GC/MS

29	7.964	822	829	843	rBB	725233	1516391	65.54%	18.050%
30	8.697	920	923	928	rBB	342	706	0.03%	0.008%
31	8.963	950	957	960	rBV2	344	886	0.04%	0.011%
32	9.033	963	966	972	rBB2	318	672	0.03%	0.008%
33	9.306	989	1001	1015	rBB	203135	415105	17.94%	4.941%
34	10.117	1100	1105	1107	rBB	461	777	0.03%	0.009%
35	10.515	1145	1154	1156	rBB	665	1277	0.06%	0.015%
36	10.828	1184	1194	1204	rBB	177599	311936	13.48%	3.713%
37	11.483	1273	1278	1281	rBB	349	646	0.03%	0.008%
38	12.065	1346	1353	1363	rBV	271116	413689	17.88%	4.924%
39	12.253	1375	1380	1384	rBB	398	885	0.04%	0.011%
40	12.295	1384	1386	1390	rBB2	968	1166	0.05%	0.014%
41	12.343	1390	1393	1398	rBB2	527	832	0.04%	0.010%
42	12.427	1402	1405	1411	rVB	3822	5257	0.23%	0.063%
43	12.573	1418	1426	1429	rBB	363	1029	0.04%	0.012%
44	12.629	1429	1434	1435	rBV	852	1339	0.06%	0.016%
45	12.719	1440	1447	1454	rBV3	1389	1976	0.09%	0.024%
46	12.810	1454	1460	1467	rBV3	2259	4598	0.20%	0.055%
47	12.914	1471	1475	1478	rVB	458	821	0.04%	0.010%
48	13.026	1486	1491	1496	rBB	1087	2086	0.09%	0.025%
49	13.109	1497	1503	1506	rBV	4835	7013	0.30%	0.083%
50	13.158	1506	1510	1519	rVB2	12173	18696	0.81%	0.223%
51	13.241	1519	1522	1530	rVB3	1682	3828	0.17%	0.046%
52	13.332	1531	1535	1536	rBV	7317	8384	0.36%	0.100%
53	13.401	1542	1545	1549	rBB2	1981	2730	0.12%	0.032%
54	13.464	1549	1554	1557	rBV2	2931	5216	0.23%	0.062%
55	13.548	1559	1566	1570	rVV2	30154	59863	2.59%	0.713%
56	13.589	1570	1572	1576	rVB2	5401	5975	0.26%	0.071%
57	13.659	1576	1582	1587	rVB4	10692	19755	0.85%	0.235%
58	13.708	1587	1589	1592	rVB2	1173	1327	0.06%	0.016%
59	13.750	1592	1595	1597	rBV2	4814	6384	0.28%	0.076%
60	13.784	1597	1600	1603	rVB	8227	10169	0.44%	0.121%

LSC Area Percent Report

Data Path : I:\VOLATILES\VOA122\2020\200701A\
Data File : V22200701A24.D
Acq On : 01 Jul 2020 06:11 pm
Operator : VOA122:AJK
Sample : l2027694-06D,31,4,10,,a
Misc : WG1388388,ICAL16903
ALS Vial : 26 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 500 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : I:\VOLATILES\VOA122\2020\200701A\V122_200617N_8260.m
Title : VOLATILES BY GC/MS

61	13.861	1603	1611	1616	rBV5	23364	54826	2.37%	0.653%
62	13.944	1616	1623	1627	rVB	22324	38953	1.68%	0.464%
63	14.021	1631	1634	1639	rVB3	3213	5426	0.23%	0.065%
64	14.112	1639	1647	1652	rBV5	6893	14387	0.62%	0.171%
65	14.209	1652	1661	1668	rBV6	18259	69533	3.01%	0.828%
66	14.334	1674	1679	1681	rBV2	6478	12512	0.54%	0.149%
67	14.376	1681	1685	1689	rVB	26244	37905	1.64%	0.451%
68	14.425	1689	1692	1695	rBV3	4671	6689	0.29%	0.080%
69	14.460	1695	1697	1700	rBV2	2151	2273	0.10%	0.027%
70	14.543	1700	1709	1716	rBV3	45600	90164	3.90%	1.073%
71	14.641	1717	1723	1725	rVV4	9133	13295	0.57%	0.158%
72	14.675	1725	1728	1739	rVB5	30734	91651	3.96%	1.091%
73	14.773	1739	1742	1747	rVB2	7529	11812	0.51%	0.141%
74	14.842	1747	1752	1756	rBV2	30706	49984	2.16%	0.595%
75	14.975	1765	1771	1775	rBV	35830	52663	2.28%	0.627%
76	15.037	1775	1780	1784	rVV4	11679	27503	1.19%	0.327%
77	15.086	1784	1787	1792	rVV	10303	16820	0.73%	0.200%
78	15.170	1792	1799	1803	rVV	95232	150280	6.49%	1.789%
79	15.239	1804	1809	1814	rVV5	7952	24181	1.05%	0.288%
80	15.309	1814	1819	1828	rVB	103168	161467	6.98%	1.922%
81	15.406	1830	1833	1834	rVV3	1554	2276	0.10%	0.027%
82	15.441	1835	1838	1842	rVB4	3905	5520	0.24%	0.066%
83	15.566	1848	1856	1865	rVB2	18996	40073	1.73%	0.477%
84	15.650	1866	1868	1869	rVB2	1247	869	0.04%	0.010%
85	15.726	1873	1879	1889	rBV5	12895	32650	1.41%	0.389%
86	15.900	1899	1904	1906	rBV3	2882	5022	0.22%	0.060%
87	15.970	1908	1914	1922	rVB	26333	48838	2.11%	0.581%
88	16.109	1929	1934	1945	rVB	78967	133344	5.76%	1.587%
89	16.242	1946	1953	1956	rVV	83269	139648	6.04%	1.662%
90	16.283	1957	1959	1966	rVB	44447	63031	2.72%	0.750%
91	16.429	1977	1980	1984	rBV	7908	14179	0.61%	0.169%

LSC Area Percent Report

Data Path : I:\VOLATILES\VOA122\2020\200701A\
Data File : V22200701A24.D
Acq On : 01 Jul 2020 06:11 pm
Operator : VOA122:AJK
Sample : l2027694-06D,31,4,10,,a
Misc : WG1388388,ICAL16903
ALS Vial : 26 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 500 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : I:\VOLATILES\VOA122\2020\200701A\V122_200617N_8260.m
Title : VOLATILES BY GC/MS

92	16.471	1984	1986	1990	rVV2	6777	10514	0.45%	0.125%
93	16.527	1990	1994	2002	rVB	10256	19094	0.83%	0.227%
94	16.666	2009	2014	2022	rBV2	7704	15897	0.69%	0.189%
95	16.840	2036	2039	2044	rBV2	2029	3732	0.16%	0.044%
96	16.924	2048	2051	2053	rBV4	1245	1934	0.08%	0.023%
97	17.042	2063	2068	2073	rVB5	3710	6847	0.30%	0.082%
98	17.327	2104	2109	2112	rVV4	1850	3059	0.13%	0.036%
99	17.369	2113	2115	2126	rVB7	1576	5615	0.24%	0.067%
100	17.794	2174	2176	2179	rBV4	1092	1378	0.06%	0.016%

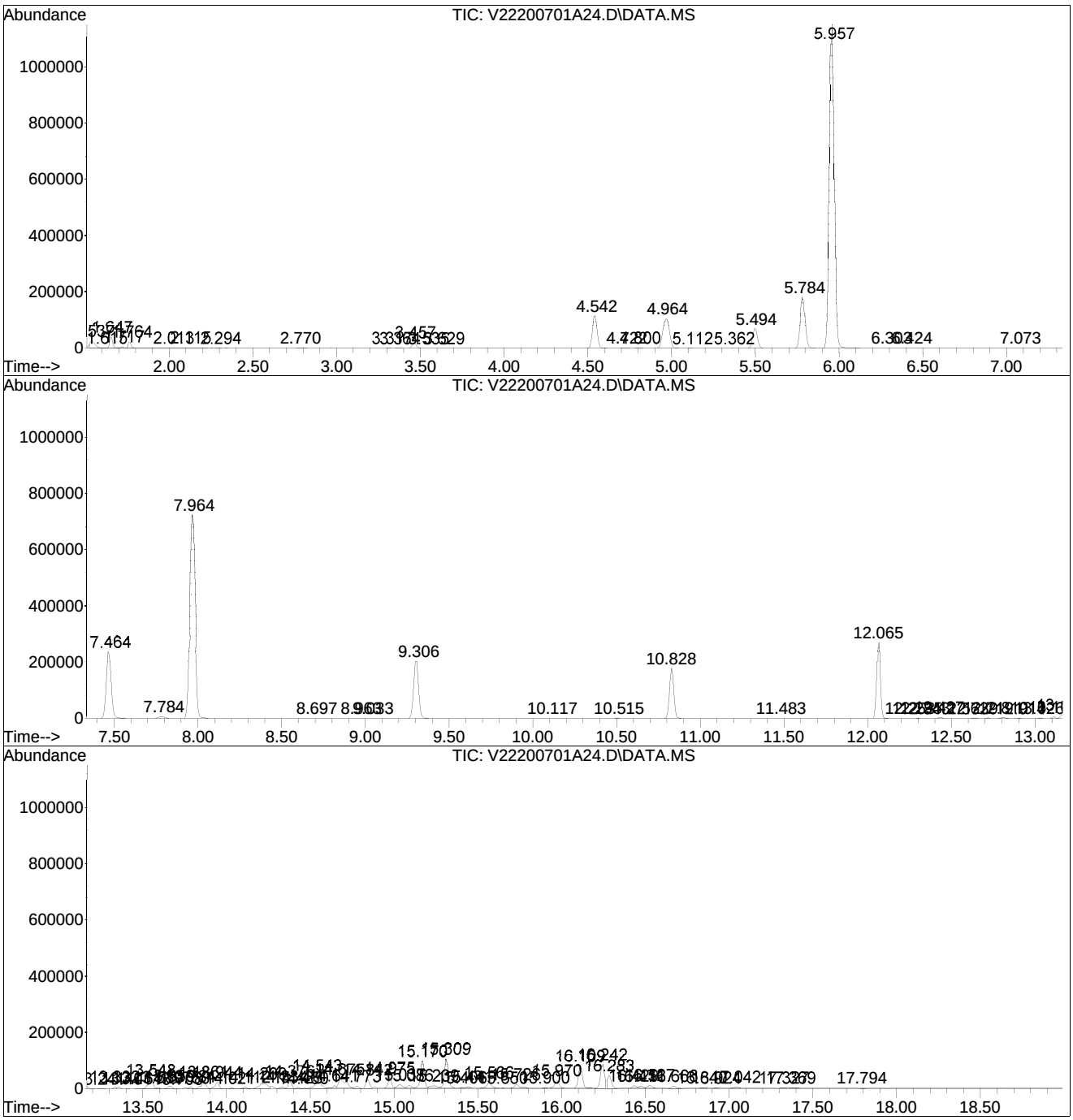
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LSC Report - Integrated Chromatogram

Data Path : I:\VOLATILES\VOA122\2020\200701A\
Data File : V22200701A24.D
Acq On : 01 Jul 2020 06:11 pm
Operator : VOA122:AJK
Sample : l2027694-06D,31,4,10,,a
Misc : WG1388388,ICAL16903
ALS Vial : 26 Sample Multiplier: 1

Quant Method : I:\VOLATILES\VOA122\2020\200701A\V122_200617N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p



Library Search Compound Report

Data Path : I:\VOLATILES\VOA122\2020\200701A\
Data File : V22200701A24.D
Acq On : 01 Jul 2020 06:11 pm
Operator : VOA122:AJK
Sample : l2027694-06D,31,4,10,,a
Misc : WG1388388,ICAL16903
ALS Vial : 26 Sample Multiplier: 1

Quant Method : I:\VOLATILES\VOA122\2020\200701A\V122_200617N_8260.m
Quant Title : VOLATILES BY GC/MS

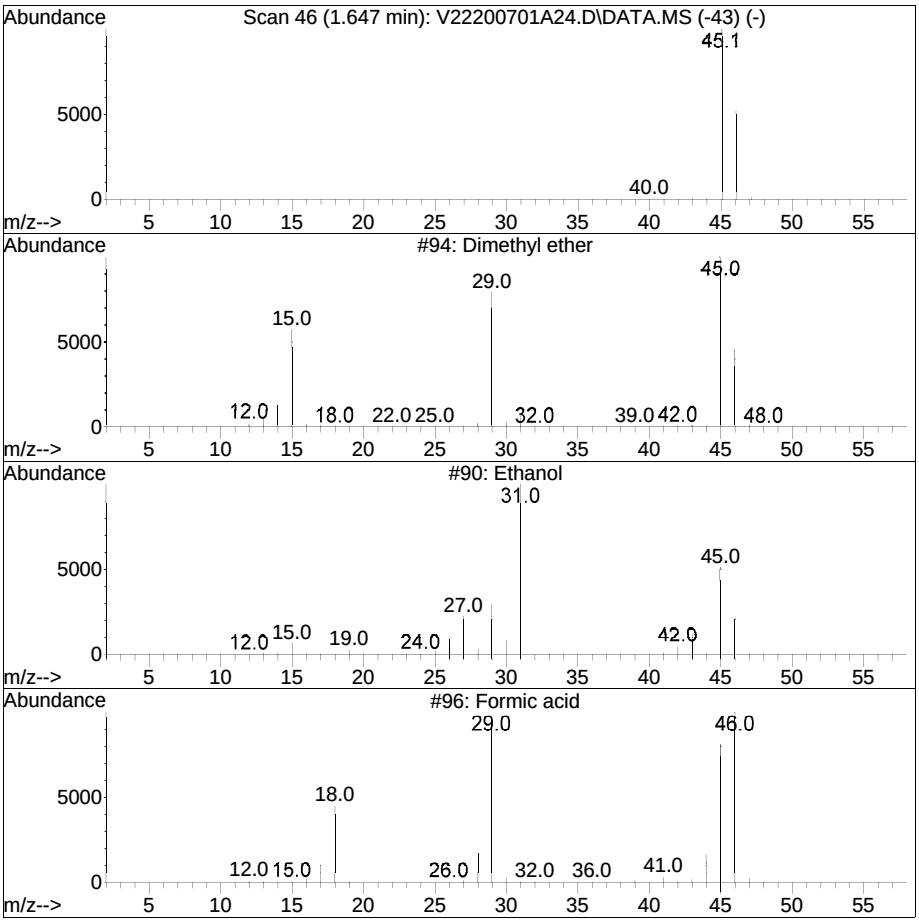
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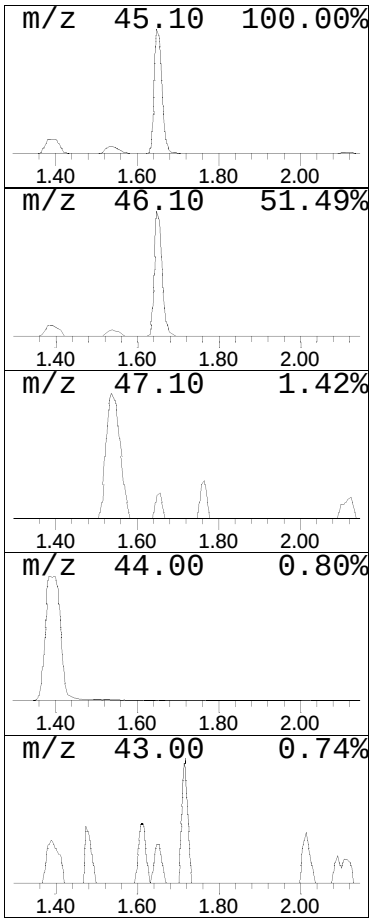
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Peak Number 1 Unknown Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.647	1.36 ug/L	50046	Fluorobenzene	5.784

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dimethyl ether	46	C2H6O	000115-10-6	9
2	Ethanol	46	C2H6O	000064-17-5	7
3	Formic acid	46	CH2O2	000064-18-6	4
4	Hydrazine, methyl-	46	CH6N2	000060-34-4	4
5	Ethene, fluoro-	46	C2H3F	000075-02-5	4





Library Search Compound Report

Data Path : I:\VOLATILES\VOA122\2020\200701A\
Data File : V22200701A24.D
Acq On : 01 Jul 2020 06:11 pm
Operator : VOA122:AJK
Sample : l2027694-06D,31,4,10,,a
Misc : WG1388388,ICAL16903
ALS Vial : 26 Sample Multiplier: 1

Quant Method : I:\VOLATILES\VOA122\2020\200701A\V122_200617N_8260.m
Quant Title : VOLATILES BY GC/MS

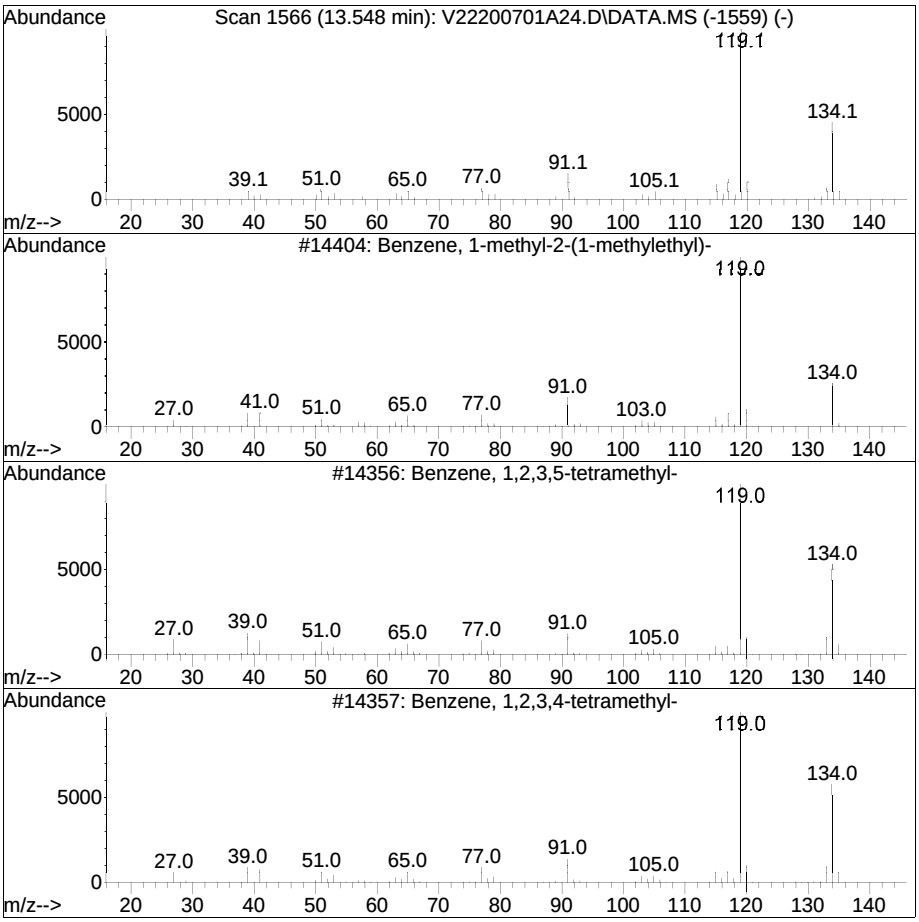
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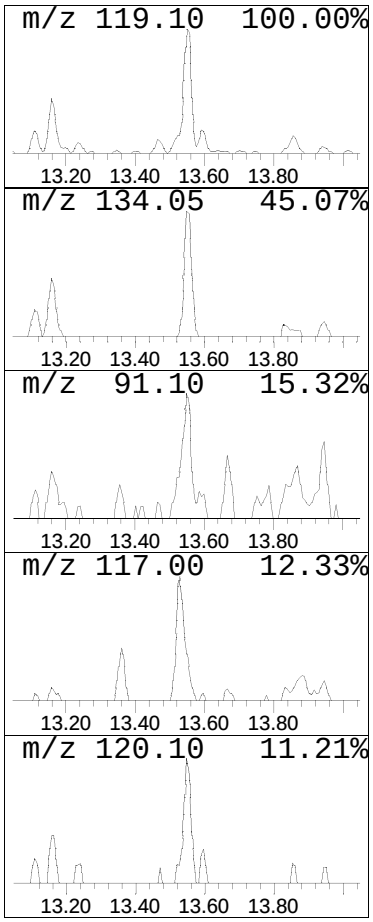
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Peak Number 2 Unknown Benzene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.548	1.45 ug/L	59863	1,4-Dichlorobenzene-d4	12.065

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	94
2	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	93
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	91





Data Path : I:\VOLATILES\VOA122\2020\200701A\
Data File : V22200701A24.D
Acq On : 01 Jul 2020 06:11 pm
Operator : VOA122:AJK
Sample : l2027694-06D,31,4,10,,a
Misc : WG1388388,ICAL16903
ALS Vial : 26 Sample Multiplier: 1

Quant Method : I:\VOLATILES\VOA122\2020\200701A\V122_200617N_8260.m
Quant Title : VOLATILES BY GC/MS

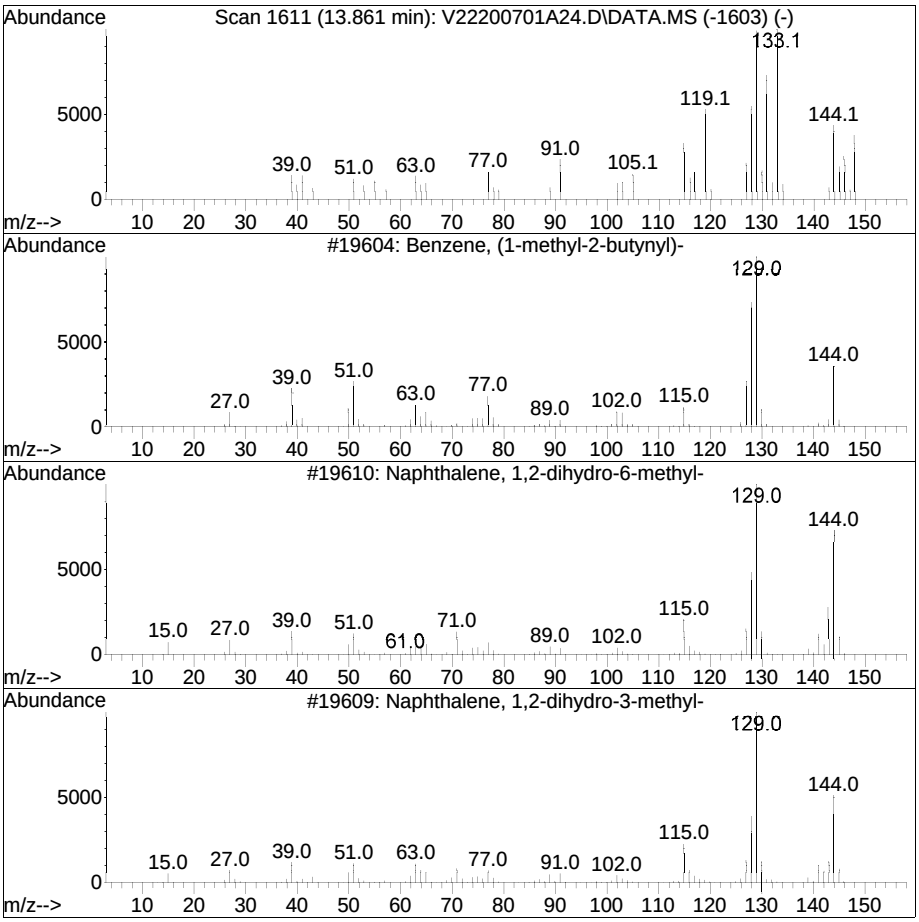
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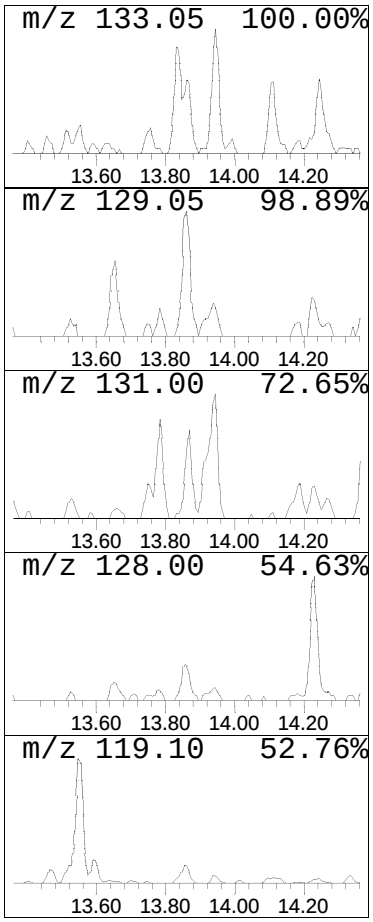
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Peak Number 3 Unknown Aromatic Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.861	1.33 ug/L	54826	1,4-Dichlorobenzene-d4	12.065

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methyl-2-butynyl)-	144	C11H12	087712-69-4	46
2	Naphthalene, 1,2-dihydro-6-methyl-	144	C11H12	002717-47-7	46
3	Naphthalene, 1,2-dihydro-3-methyl-	144	C11H12	002717-44-4	42
4	1H-Indene, 1,1-dimethyl-	144	C11H12	018636-55-0	42
5	1H-Cyclopropa[b]naphthalene, 1a,...	144	C11H12	006571-72-8	38





Data Path : I:\VOLATILES\VOA122\2020\200701A\
Data File : V22200701A24.D
Acq On : 01 Jul 2020 06:11 pm
Operator : VOA122:AJK
Sample : l2027694-06D,31,4,10,,a
Misc : WG1388388,ICAL16903
ALS Vial : 26 Sample Multiplier: 1

Quant Method : I:\VOLATILES\VOA122\2020\200701A\V122_200617N_8260.m
Quant Title : VOLATILES BY GC/MS

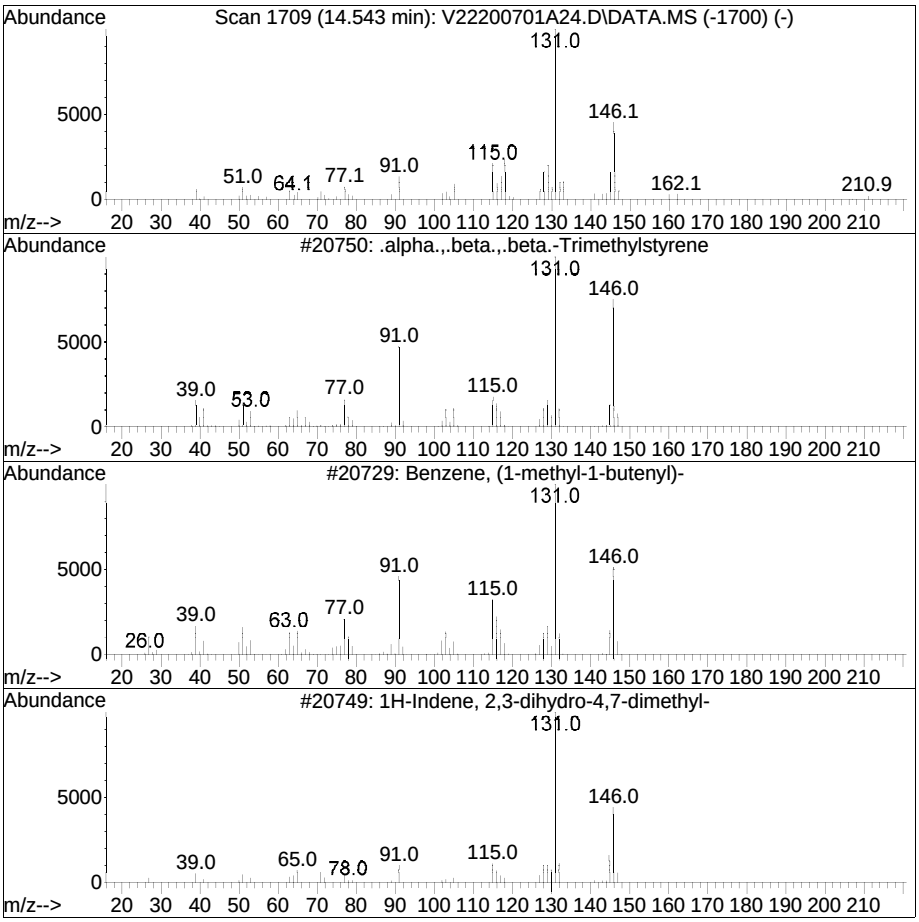
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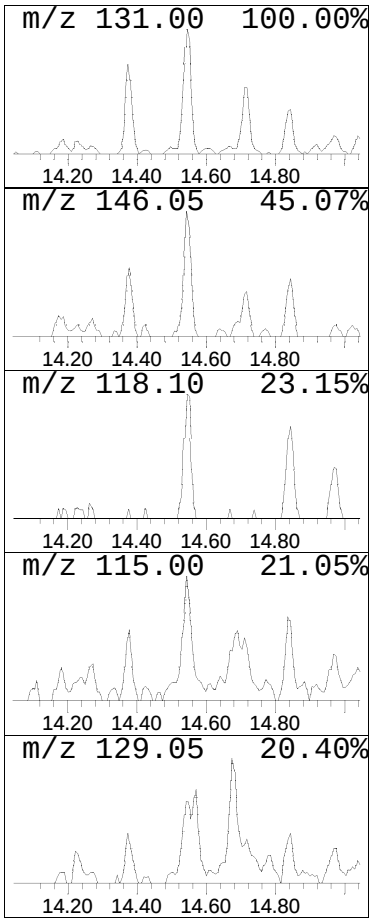
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Peak Number 4 Unknown Aromatic Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.543	2.18 ug/L	90164	1,4-Dichlorobenzene-d4	12.065

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.alpha.,.beta.,.beta.-Trimethyls...	146	C11H14	000769-57-3	90
2	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	83
3	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	81
4	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	81
5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	72





Data Path : I:\VOLATILES\VOA122\2020\200701A\
Data File : V22200701A24.D
Acq On : 01 Jul 2020 06:11 pm
Operator : VOA122:AJK
Sample : l2027694-06D,31,4,10,,a
Misc : WG1388388,ICAL16903
ALS Vial : 26 Sample Multiplier: 1

Quant Method : I:\VOLATILES\VOA122\2020\200701A\V122_200617N_8260.m
Quant Title : VOLATILES BY GC/MS

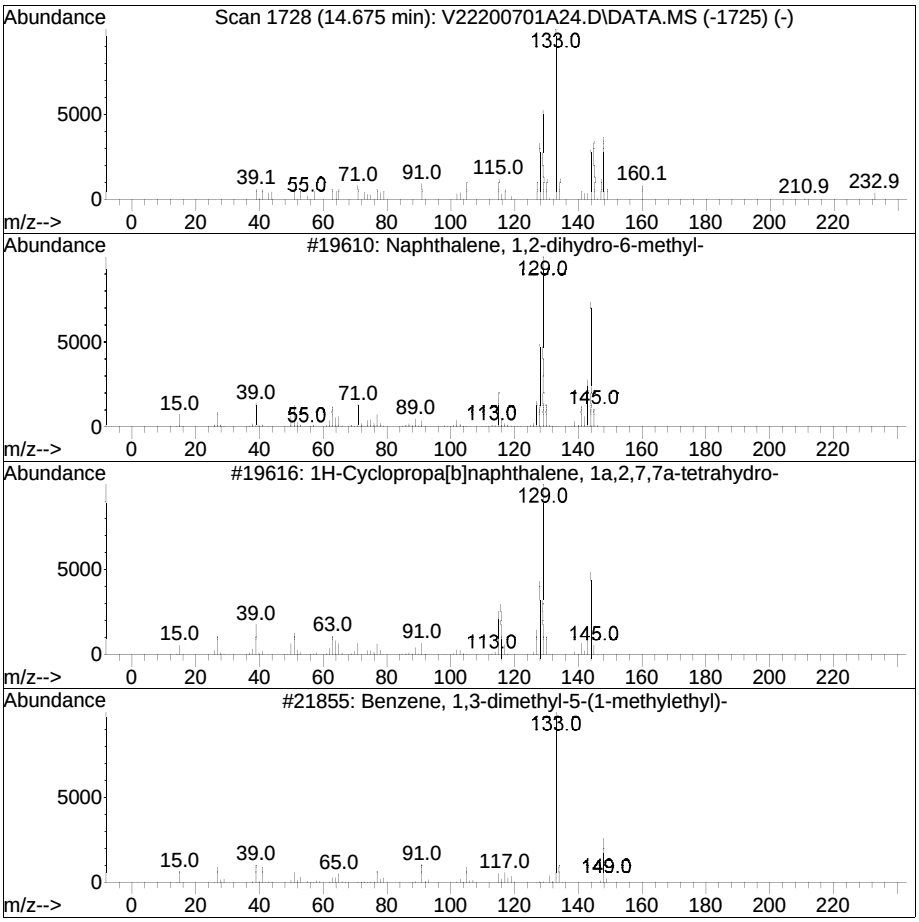
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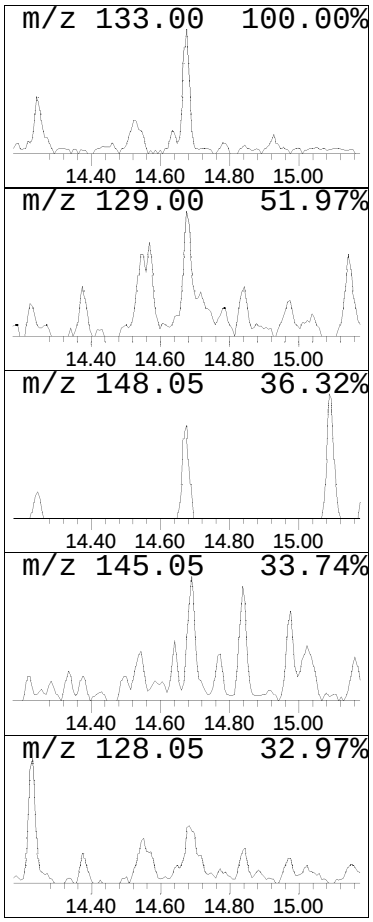
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Peak Number 5 Unknown Aromatic Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.675	2.22 ug/L	91651	1,4-Dichlorobenzene-d4	12.065

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2-dihydro-6-methyl-	144	C11H12	002717-47-7	42
2	1H-Cyclopropa[b]naphthalene, 1a,...	144	C11H12	006571-72-8	38
3	Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	38
4	Benzene, 1-(1,1-dimethylethyl)-3...	148	C11H16	001075-38-3	38
5	Benzene, 2,4-dimethyl-1-(1-methy...	148	C11H16	004706-89-2	38





Data Path : I:\VOLATILES\VOA122\2020\200701A\
Data File : V22200701A24.D
Acq On : 01 Jul 2020 06:11 pm
Operator : VOA122:AJK
Sample : l2027694-06D,31,4,10,,a
Misc : WG1388388,ICAL16903
ALS Vial : 26 Sample Multiplier: 1

Quant Method : I:\VOLATILES\VOA122\2020\200701A\V122_200617N_8260.m
Quant Title : VOLATILES BY GC/MS

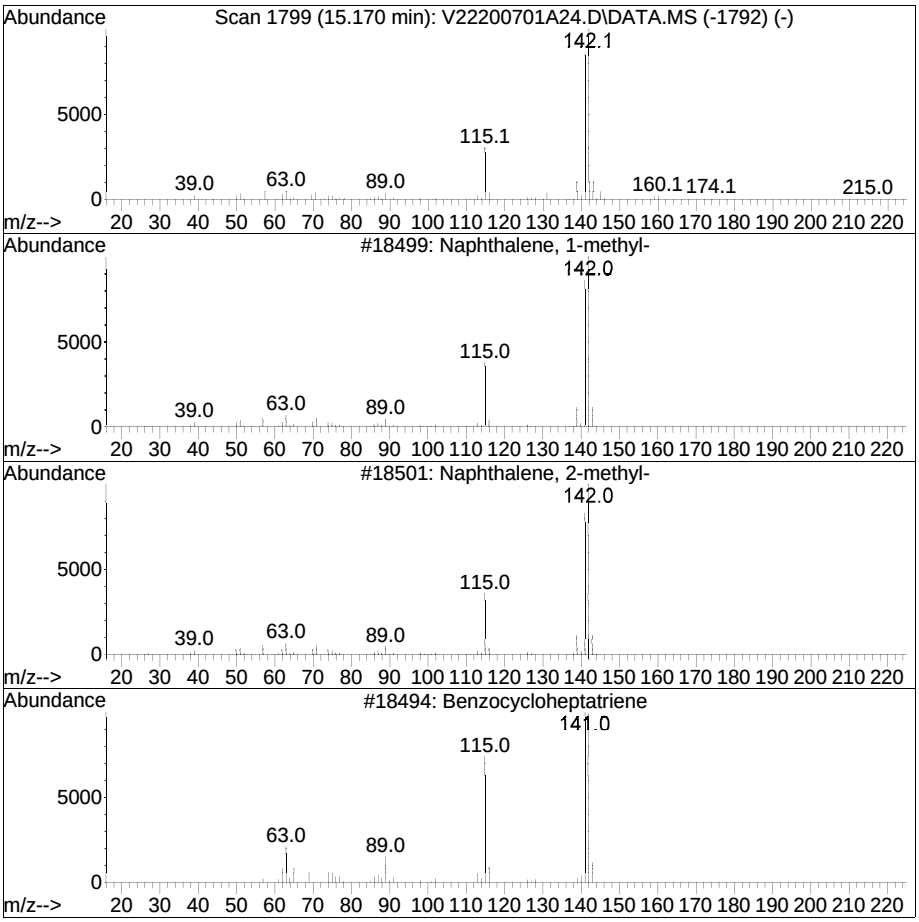
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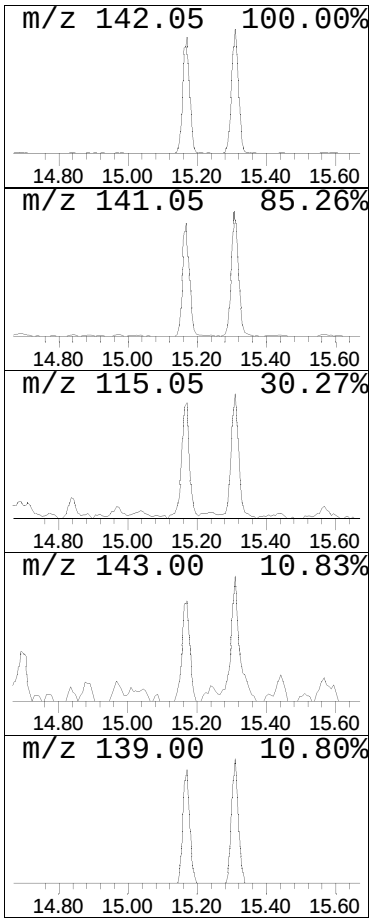
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Peak Number 6 Unknown Aromatic Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.170	3.63 ug/L	150280	1,4-Dichlorobenzene-d4	12.065

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3	Benzocycloheptatriene	142	C11H10	000264-09-5	90
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	86
5	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	59





Data Path : I:\VOLATILES\VOA122\2020\200701A\
Data File : V22200701A24.D
Acq On : 01 Jul 2020 06:11 pm
Operator : VOA122:AJK
Sample : l2027694-06D,31,4,10,,a
Misc : WG1388388,ICAL16903
ALS Vial : 26 Sample Multiplier: 1

Quant Method : I:\VOLATILES\VOA122\2020\200701A\V122_200617N_8260.m
Quant Title : VOLATILES BY GC/MS

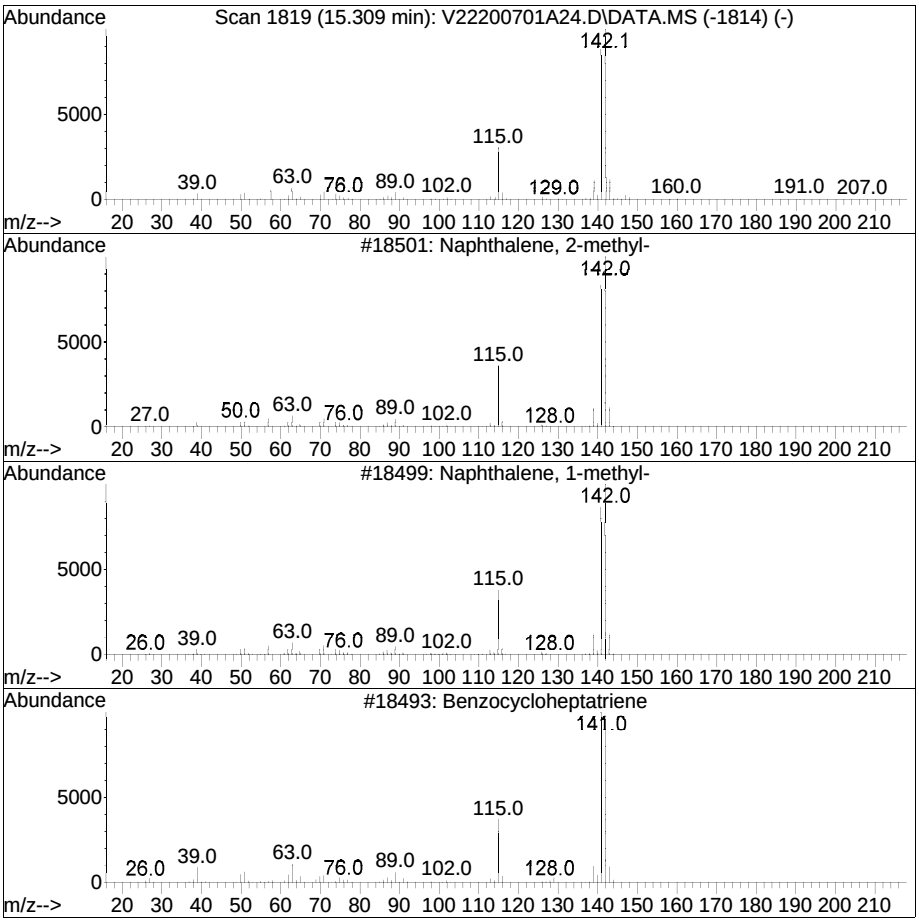
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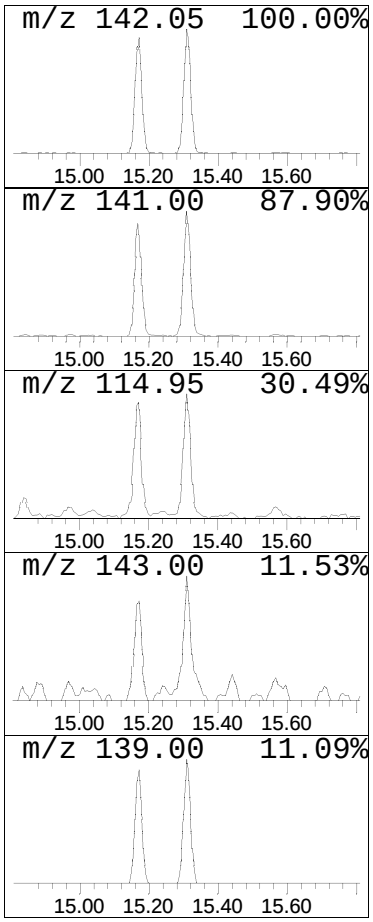
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Peak Number 7 Unknown Aromatic Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.309	3.90 ug/L	161467	1,4-Dichlorobenzene-d4	12.065

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3	Benzocycloheptatriene	142	C11H10	000264-09-5	91
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
5	Spiro(tricyclo[6.2.1.0(2,7)]unde...	186	C13H14O	1000210-02-3	64





Data Path : I:\VOLATILES\VOA122\2020\200701A\
Data File : V22200701A24.D
Acq On : 01 Jul 2020 06:11 pm
Operator : VOA122:AJK
Sample : l2027694-06D,31,4,10,,a
Misc : WG1388388,ICAL16903
ALS Vial : 26 Sample Multiplier: 1

Quant Method : I:\VOLATILES\VOA122\2020\200701A\V122_200617N_8260.m
Quant Title : VOLATILES BY GC/MS

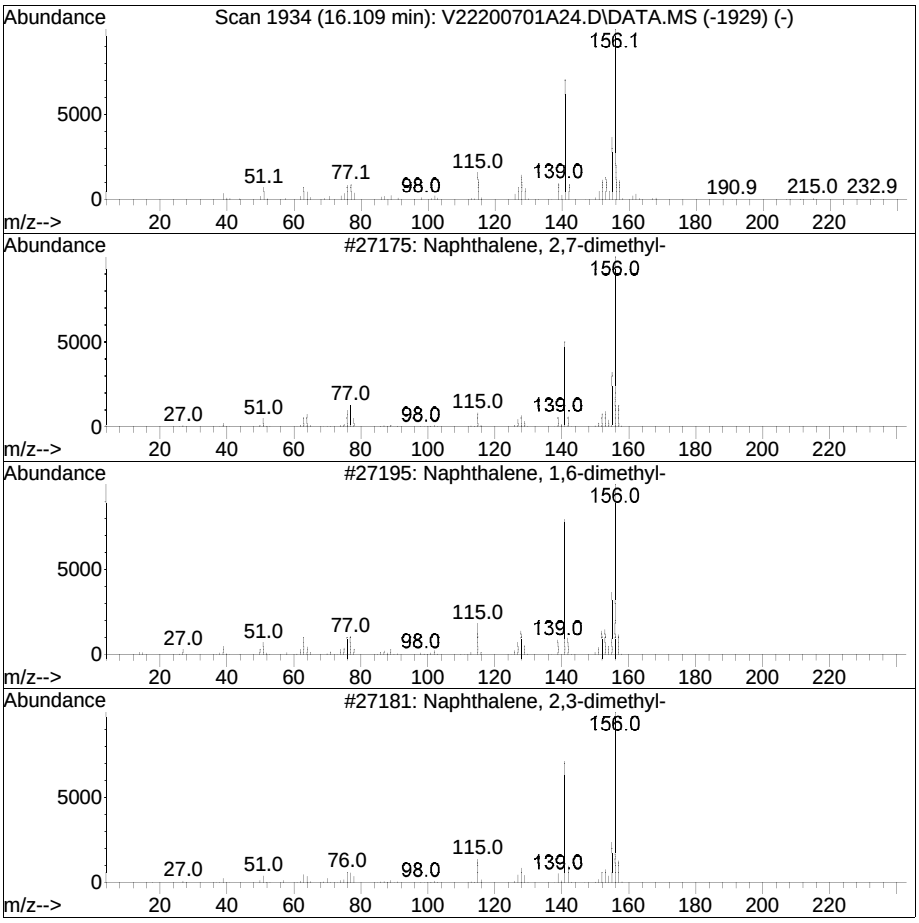
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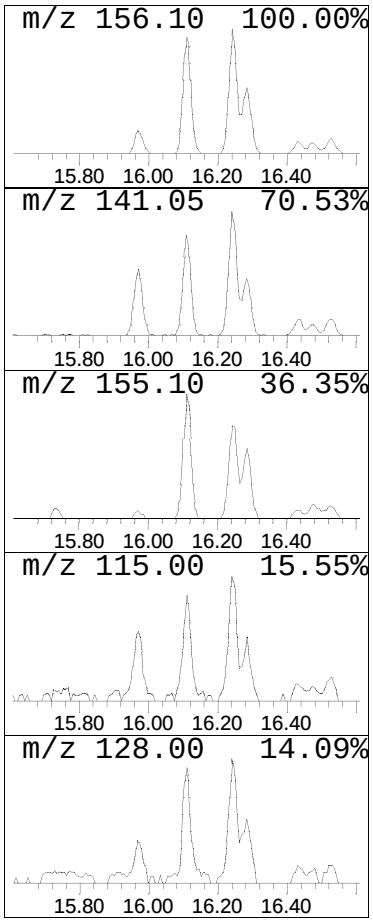
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Peak Number 8 Unknown Naphthalene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.109	3.22 ug/L	133344	1,4-Dichlorobenzene-d4	12.065

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96





Data Path : I:\VOLATILES\VOA122\2020\200701A\
Data File : V22200701A24.D
Acq On : 01 Jul 2020 06:11 pm
Operator : VOA122:AJK
Sample : l2027694-06D,31,4,10,,a
Misc : WG1388388,ICAL16903
ALS Vial : 26 Sample Multiplier: 1

Quant Method : I:\VOLATILES\VOA122\2020\200701A\V122_200617N_8260.m
Quant Title : VOLATILES BY GC/MS

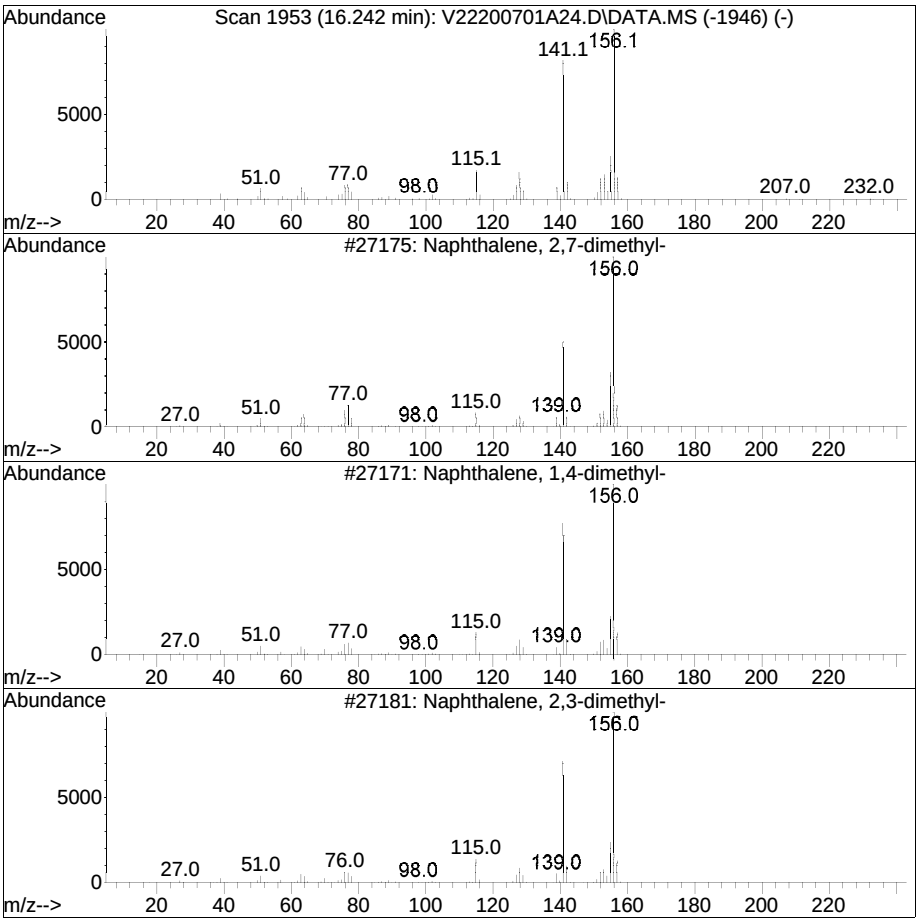
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TIC Integration Parameters: rteint.p

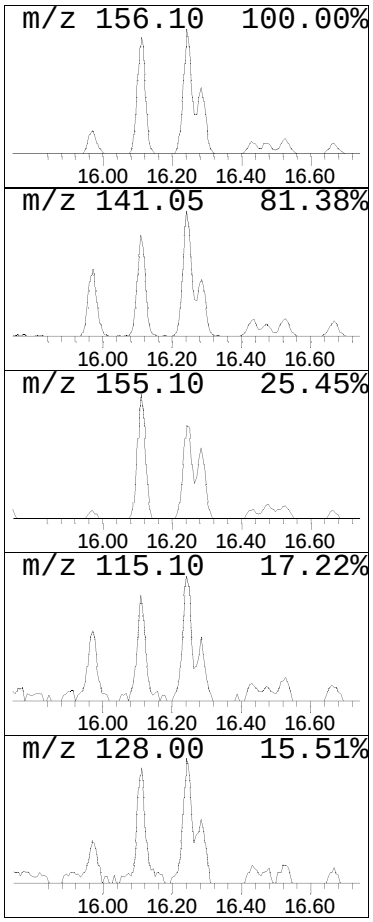
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Peak Number 9 Unknown Naphthalene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.241	3.38 ug/L	139648	1,4-Dichlorobenzene-d4	12.065

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
2	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
5	Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	96





Data Path : I:\VOLATILES\VOA122\2020\200701A\
Data File : V22200701A24.D
Acq On : 01 Jul 2020 06:11 pm
Operator : VOA122:AJK
Sample : l2027694-06D,31,4,10,,a
Misc : WG1388388,ICAL16903
ALS Vial : 26 Sample Multiplier: 1

Quant Method : I:\VOLATILES\VOA122\2020\200701A\V122_200617N_8260.m
Quant Title : VOLATILES BY GC/MS

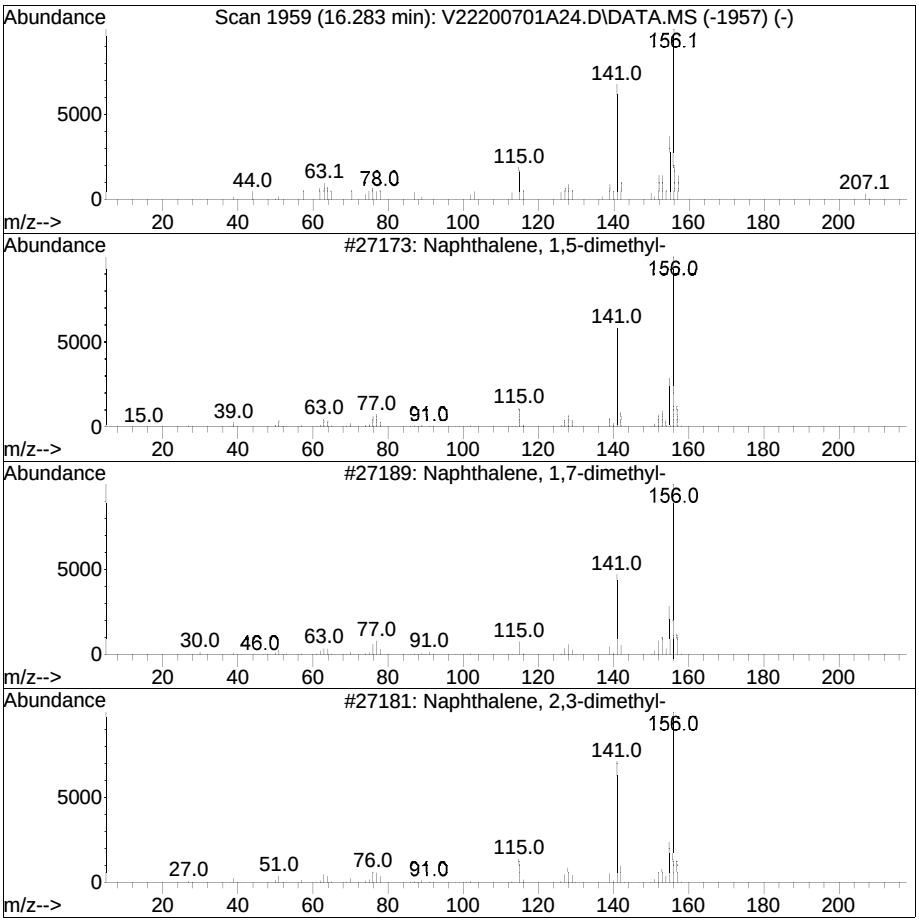
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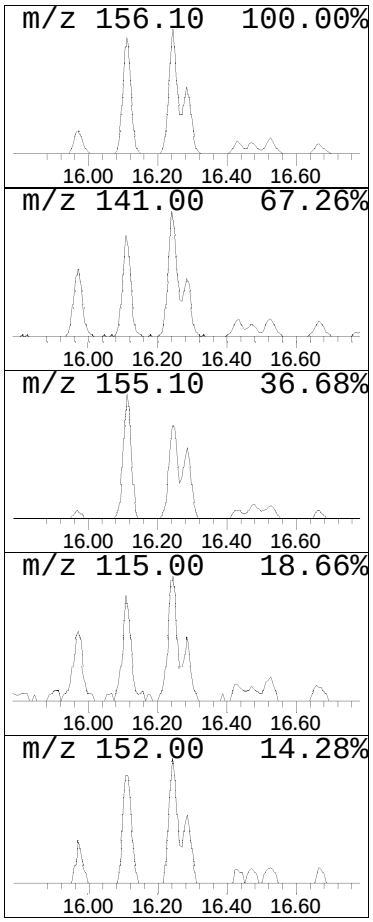
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Peak Number 10 Unknown Naphthalene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.283	1.52 ug/L	63031	1,4-Dichlorobenzene-d4	12.065

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	96
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	95
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	94





Tentatively Identified Compound (LSC) summary

Data Path : I:\VOLATILES\VOA122\2020\200701A\
Data File : V22200701A24.D
Acq On : 01 Jul 2020 06:11 pm
Operator : VOA122:AJK
Sample : l2027694-06D,31,4,10,,a
Misc : WG1388388,ICAL16903
ALS Vial : 26 Sample Multiplier: 1

Quant Method : I:\VOLATILES\VOA122\2020\200701A\V122_200617N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Unknown	1.647	1.4	ug/L	50046	1	5.784	368580	10.0
Unknown Benzene	13.548	1.4	ug/L	59863	3	12.065	413689	10.0
Unknown Aromatic	13.861	1.3	ug/L	54826	3	12.065	413689	10.0
Unknown Aromatic	14.543	2.2	ug/L	90164	3	12.065	413689	10.0
Unknown Aromatic	14.675	2.2	ug/L	91651	3	12.065	413689	10.0
Unknown Aromatic	15.170	3.6	ug/L	150280	3	12.065	413689	10.0
Unknown Aromatic	15.309	3.9	ug/L	161467	3	12.065	413689	10.0
Unknown Naphtha...	16.109	3.2	ug/L	133344	3	12.065	413689	10.0
Unknown Naphtha...	16.241	3.4	ug/L	139648	3	12.065	413689	10.0
Unknown Naphtha...	16.283	1.5	ug/L	63031	3	12.065	413689	10.0

Quantitation Report (QT/LSC Reviewed)

Data Path : I:\VOLATILES\VOA122\2020\200701A\
Data File : V22200701A25.D
Acq On : 01 Jul 2020 06:36 pm
Operator : VOA122:AJK
Sample : l2027694-07D,31,5,10,,a
Misc : WG1388388,ICAL16903
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Jul 01 21:10:29 2020
Quant Method : I:\VOLATILES\VOA122\2020\200701A\V122_200617N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jun 18 17:18:38 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2020\200701A\V22200701A01.D
Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.784	96	180768	10.000	ug/L	0.00
Standard Area 1 = 180591			Recovery = 100.10%			
62) Chlorobenzene-d5	9.306	117	154454	10.000	ug/L	0.00
Standard Area 1 = 157975			Recovery = 97.77%			
83) 1,4-Dichlorobenzene-d4	12.065	152	76375	10.000	ug/L	0.00
Standard Area 1 = 82999			Recovery = 92.02%			
System Monitoring Compounds						
38) Dibromofluoromethane	4.971	113	54331	10.817	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 108.17%			
46) 1,2-Dichloroethane-d4	5.494	65	51180	11.009	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 110.09%			
63) Toluene-d8	7.465	98	198056	9.294	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 92.94%			
87) 4-Bromofluorobenzene	10.828	95	66095	9.101	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 91.01%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	0.000		0	N.D.		
4) Vinyl chloride	1.764	62	1728	0.422	ug/L #	43
5) Bromomethane	0.000		0	N.D.		
6) Chloroethane	0.000		0	N.D. d		
7) Trichlorofluoromethane	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	0.000		0	N.D.		
12) Freon-113	0.000		0	N.D.		
15) Methylene chloride	0.000		0	N.D.		
17) Acetone	3.364	43	1918	2.595	ug/L	96
18) trans-1,2-Dichloroethene	3.465	96	399M2	0.102	ug/L	
19) Methyl acetate	0.000		0	N.D. d		
21) Methyl tert-butyl ether	0.000		0	N.D.		
25) 1,1-Dichloroethane	0.000		0	N.D.		
30) cis-1,2-Dichloroethene	4.542	96	10107	2.386	ug/L #	83
32) Bromochloromethane	0.000		0	N.D.		
33) Cyclohexane	0.000		0	N.D.		
34) Chloroform	0.000		0	N.D.		
36) Carbon tetrachloride	0.000		0	N.D.		

Quantitation Report (QT/LSC Reviewed)

Data Path : I:\VOLATILES\VOA122\2020\200701A\
Data File : V22200701A25.D
Acq On : 01 Jul 2020 06:36 pm
Operator : VOA122:AJK
Sample : l2027694-07D,31,5,10,,a
Misc : WG1388388,ICAL16903
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Jul 01 21:10:29 2020
Quant Method : I:\VOLATILES\VOA122\2020\200701A\V122_200617N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jun 18 17:18:38 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2020\200701A\V22200701A01.D
Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39) 1,1,1-Trichloroethane	0.000		0	N.D.			
41) 2-Butanone	5.112	43	1618	1.339	ug/L	#	22
44) Benzene	5.362	78	733	N.D.			
47) 1,2-Dichloroethane	0.000		0	N.D.			
50) Methyl cyclohexane	5.957	83	2710	0.404	ug/L	#	15
51) Trichloroethene	5.957	95	213472	48.965	ug/L		89
54) 1,2-Dichloropropane	0.000		0	N.D.			
57) Bromodichloromethane	0.000		0	N.D.			
60) 1,4-Dioxane	0.000		0	N.D.			
61) cis-1,3-Dichloropropene	0.000		0	N.D.			
64) Toluene	7.527	92	1181	0.113	ug/L		96
65) 4-Methyl-2-pentanone	0.000		0	N.D.			
66) Tetrachloroethene	7.972	166	56966	11.453	ug/L		97
68) trans-1,3-Dichloropropene	0.000		0	N.D.			
71) 1,1,2-Trichloroethane	0.000		0	N.D.			
72) Chlorodibromomethane	0.000		0	N.D.			
74) 1,2-Dibromoethane	0.000		0	N.D.			
76) 2-Hexanone	0.000		0	N.D.			
77) Chlorobenzene	0.000		0	N.D.			
78) Ethylbenzene	0.000		0	N.D.			
80) p/m Xylene	9.556	106	760	0.094	ug/L		96
81) o Xylene	0.000		0	N.D.			
82) Styrene	0.000		0	N.D.			
84) Bromoform	0.000		0	N.D.			
86) Isopropylbenzene	0.000		0	N.D.			
91) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.			
104) 1,3-Dichlorobenzene	0.000		0	N.D.			
105) 1,4-Dichlorobenzene	0.000		0	N.D.			
108) 1,2-Dichlorobenzene	0.000		0	N.D.			
110) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.			
113) 1,2,4-Trichlorobenzene	0.000		0	N.D.			
115) 1,2,3-Trichlorobenzene	0.000		0	N.D.			

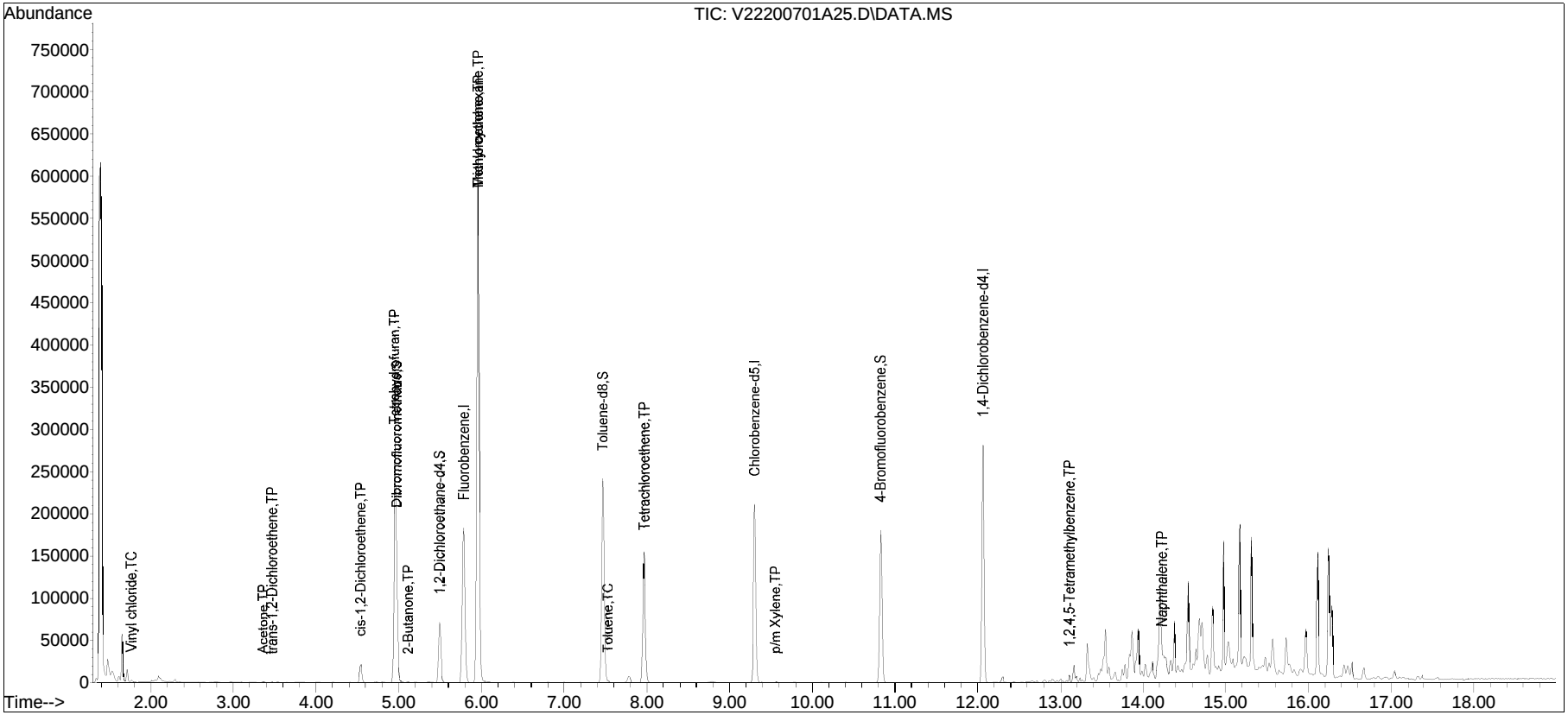
(#) = qualifier out of range (m) = manual integration (+) = signals summed

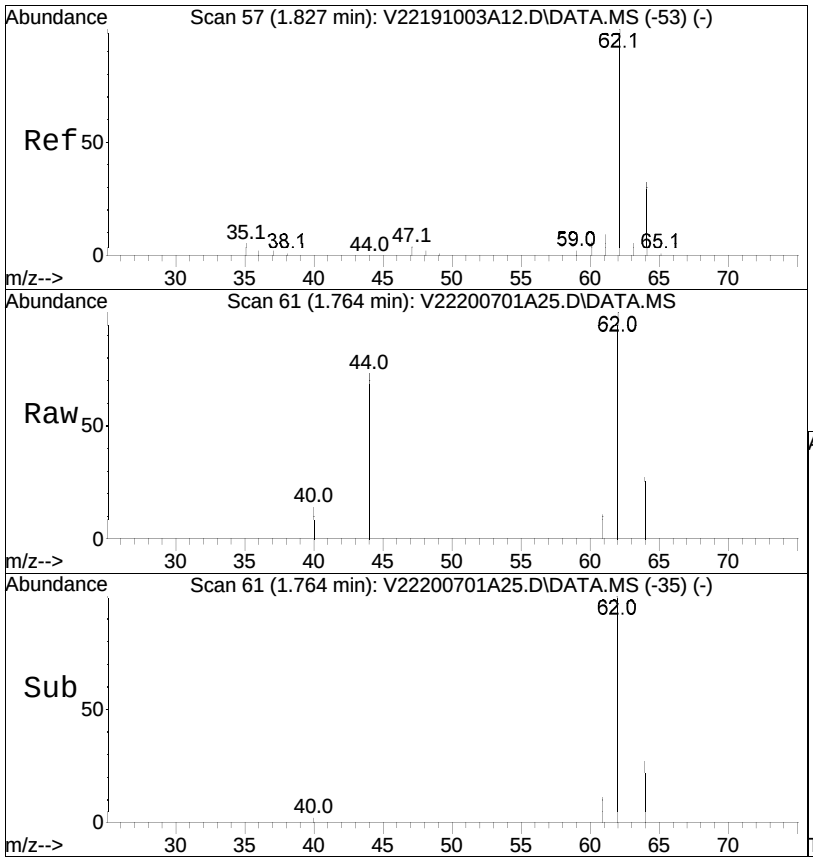
Quantitation Report (QT/LSC Reviewed)

Data Path : I:\VOLATILES\VOA122\2020\200701A\
Data File : V22200701A25.D
Acq On : 01 Jul 2020 06:36 pm
Operator : VOA122:AJK
Sample : l2027694-07D,31,5,10,,a
Misc : WG1388388,ICAL16903
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Jul 01 21:10:29 2020
Quant Method : I:\VOLATILES\VOA122\2020\200701A\V122_200617N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jun 18 17:18:38 2020
Response via : Initial Calibration

Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

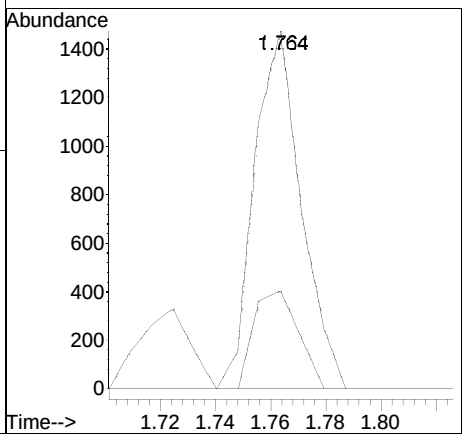


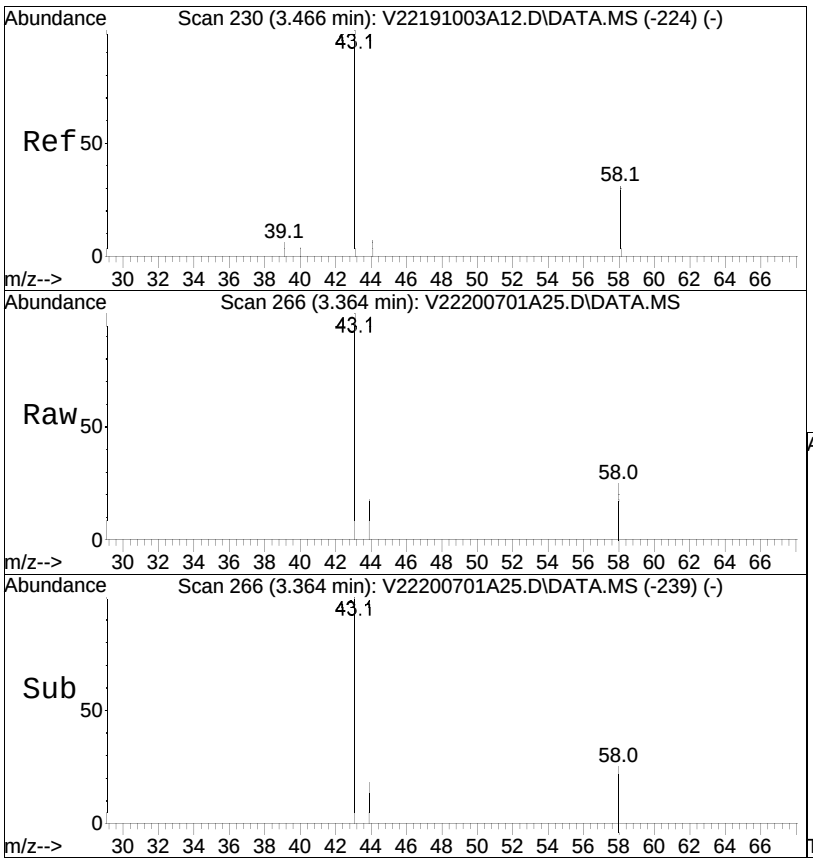


#4
Vinyl chloride
Concen: 0.42 ug/L
RT: 1.764 min Scan# 61
Delta R.T. -0.000 min
Lab File: V22200701A25.D
Acq: 01 Jul 2020 06:36 pm

Tgt Ion: 62 Resp: 1728

Ion	Ratio	Lower	Upper
62	100		
64	0.0	12.0	52.0#

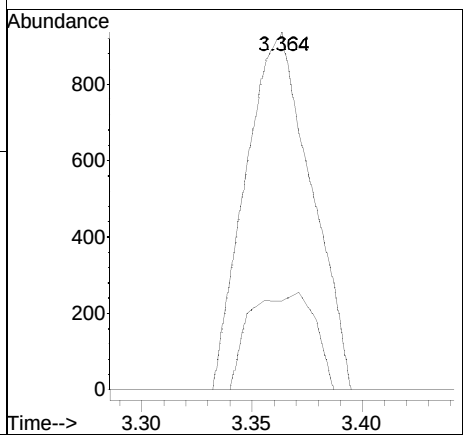


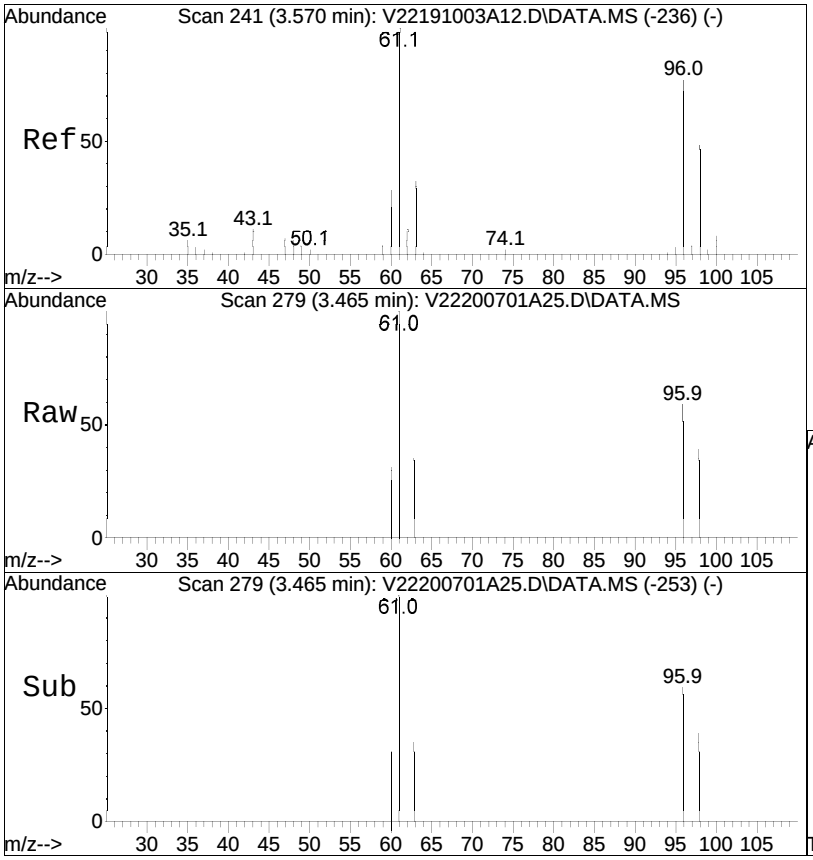


#17
Acetone
Concen: 2.60 ug/L
RT: 3.364 min Scan# 266
Delta R.T. 0.008 min
Lab File: V22200701A25.D
Acq: 01 Jul 2020 06:36 pm

Tgt Ion: 43 Resp: 1918

Ion	Ratio	Lower	Upper
43	100		
58	27.0	23.1	34.7

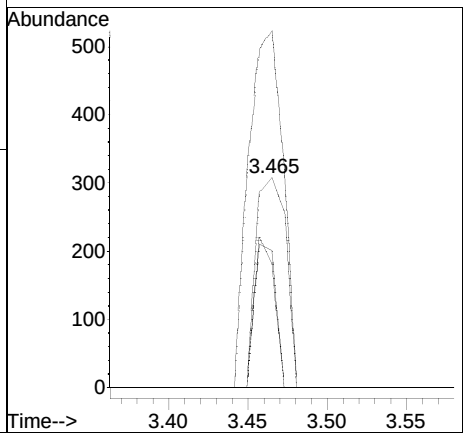


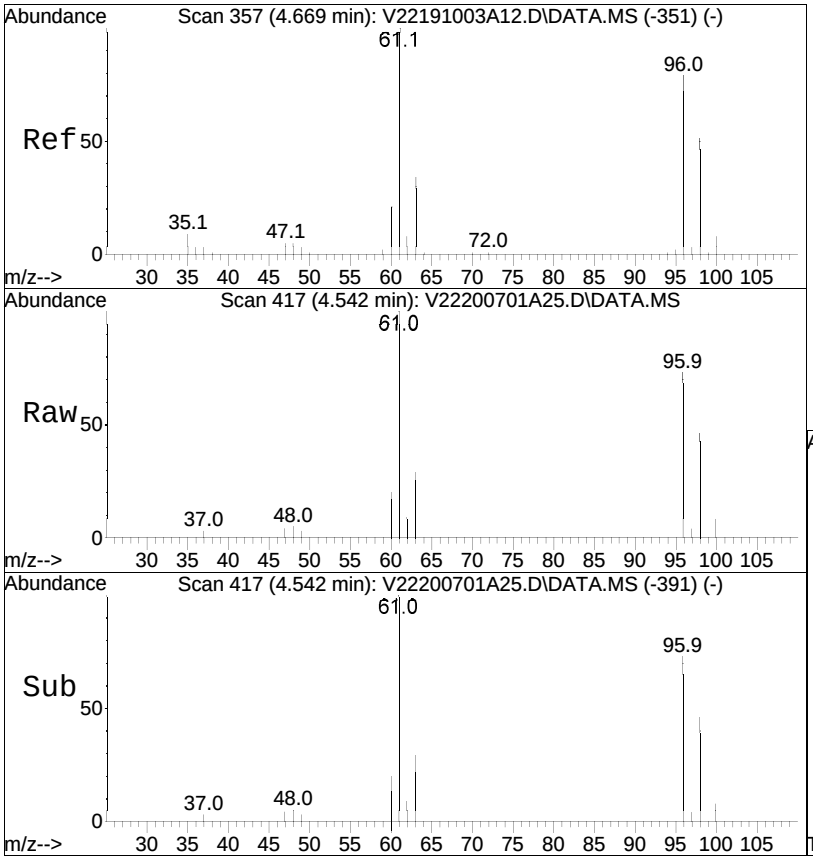


#18
trans-1,2-Dichloroethene
Concen: 0.10 ug/L M2
RT: 3.465 min Scan# 279
Delta R.T. 0.000 min
Lab File: V22200701A25.D
Acq: 01 Jul 2020 06:36 pm

Tgt Ion: 96 Resp: 399

Ion	Ratio	Lower	Upper
96	100		
61	0.0	81.6	169.6#
98	0.0	41.8	86.8#
63	0.0	26.3	54.7#

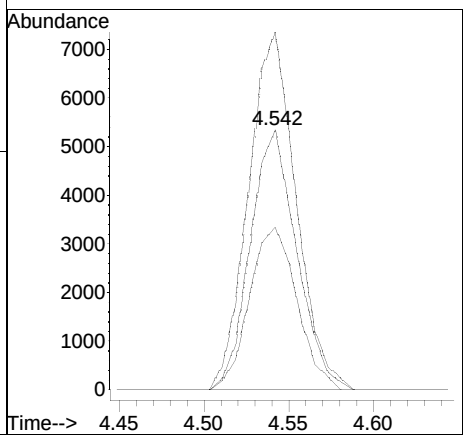


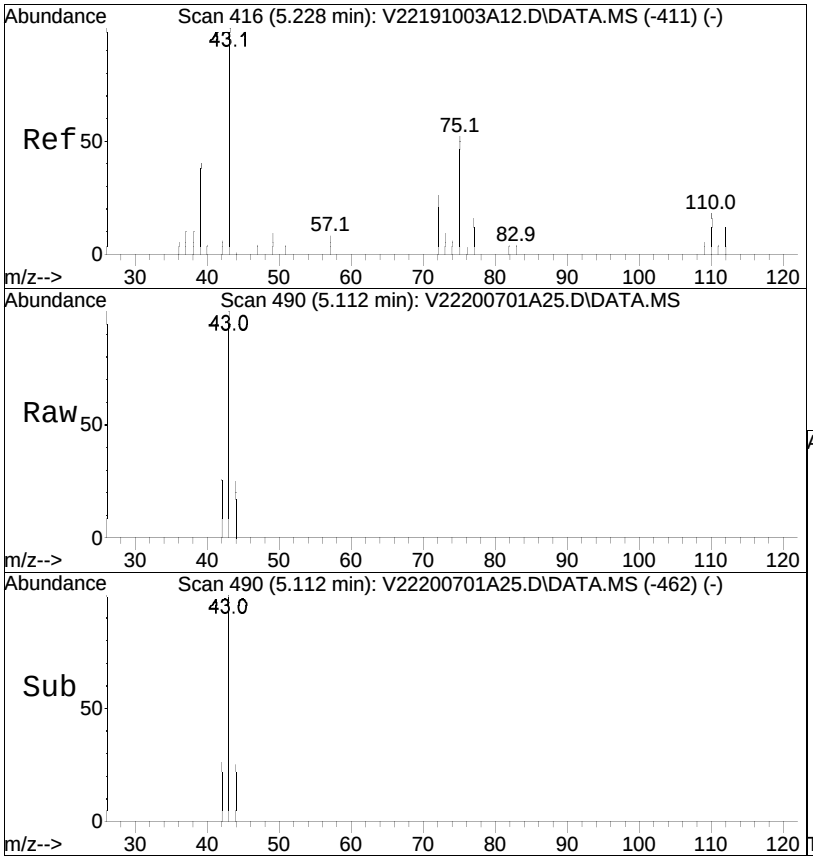


#30
cis-1,2-Dichloroethene
Concen: 2.39 ug/L
RT: 4.542 min Scan# 417
Delta R.T. 0.000 min
Lab File: V22200701A25.D
Acq: 01 Jul 2020 06:36 pm

Tgt Ion: 96 Resp: 10107

Ion	Ratio	Lower	Upper
96	100		
61	140.7	90.3	135.5#
98	64.2	50.8	76.2

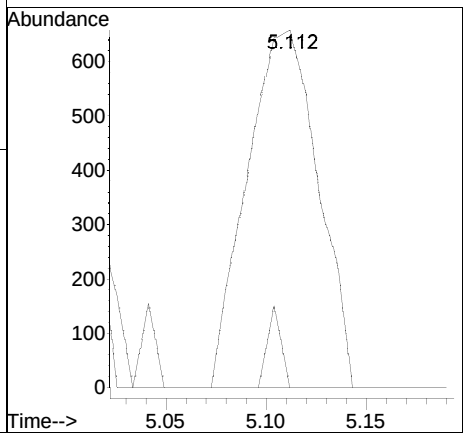


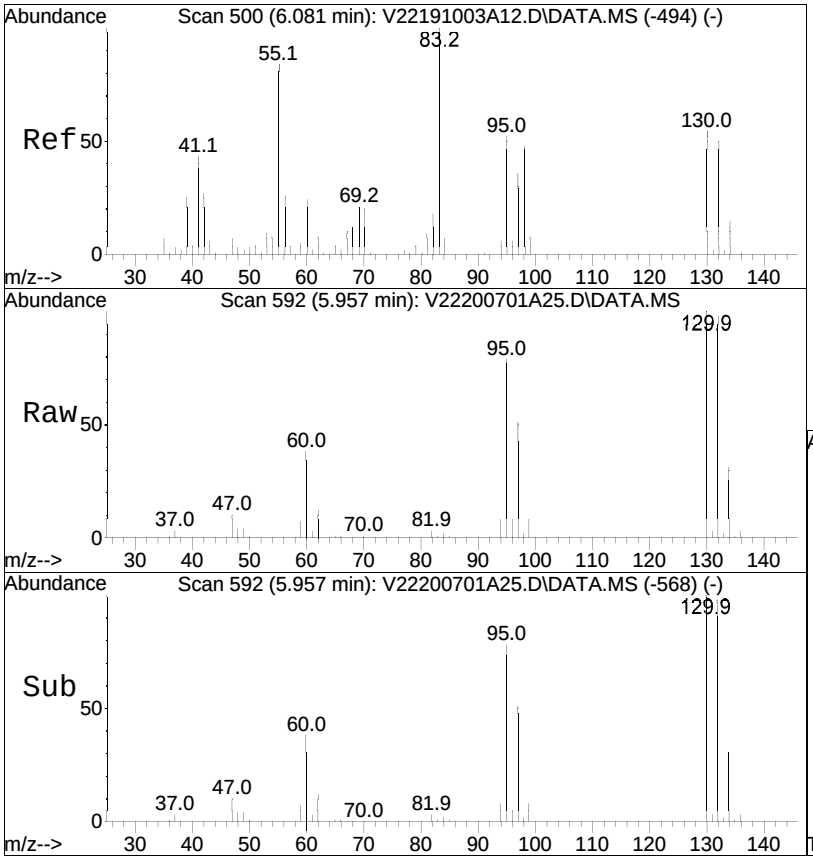


#41
2-Butanone
Concen: 1.34 ug/L
RT: 5.112 min Scan# 490
Delta R.T. 0.016 min
Lab File: V22200701A25.D
Acq: 01 Jul 2020 06:36 pm

Tgt Ion: 43 Resp: 1618

Ion	Ratio	Lower	Upper
43	100		
72	0.0	45.8	68.8#

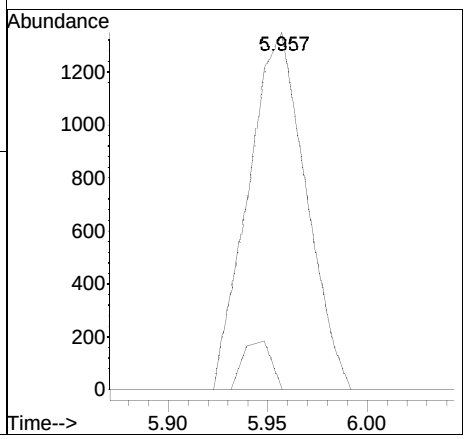


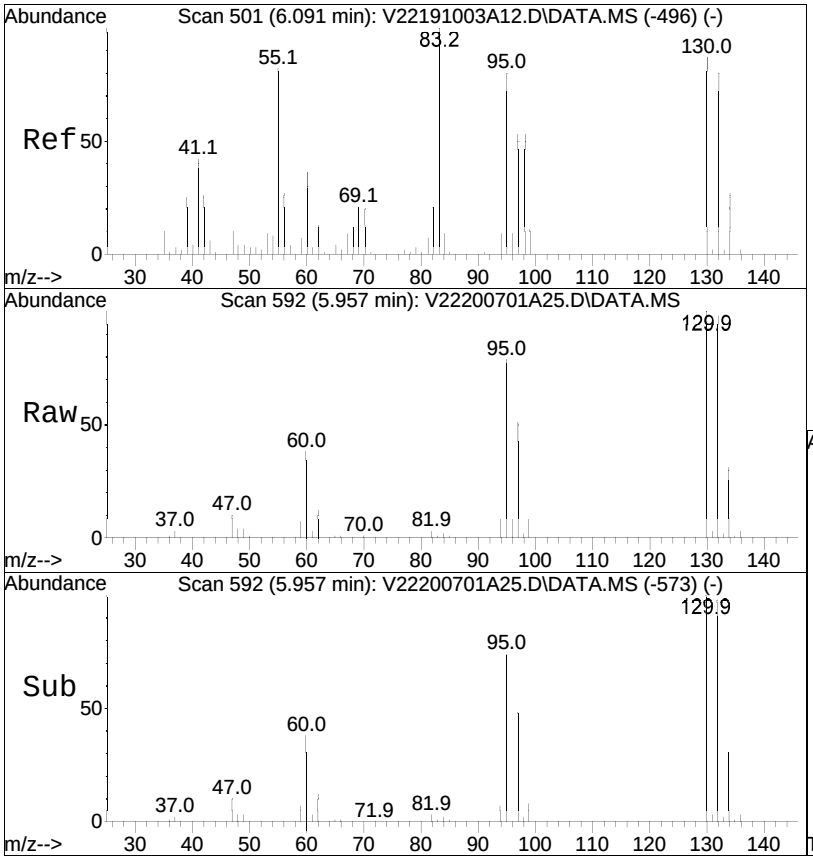


#50
Methyl cyclohexane
Concen: 0.40 ug/L
RT: 5.957 min Scan# 592
Delta R.T. 0.008 min
Lab File: V22200701A25.D
Acq: 01 Jul 2020 06:36 pm

Tgt Ion: 83 Resp: 2710

Ion	Ratio	Lower	Upper
83	100		
55	0.0	55.4	83.2#

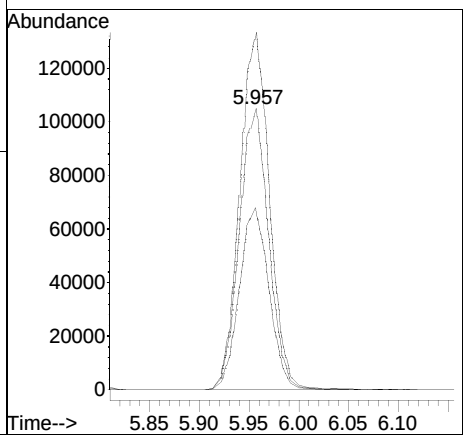


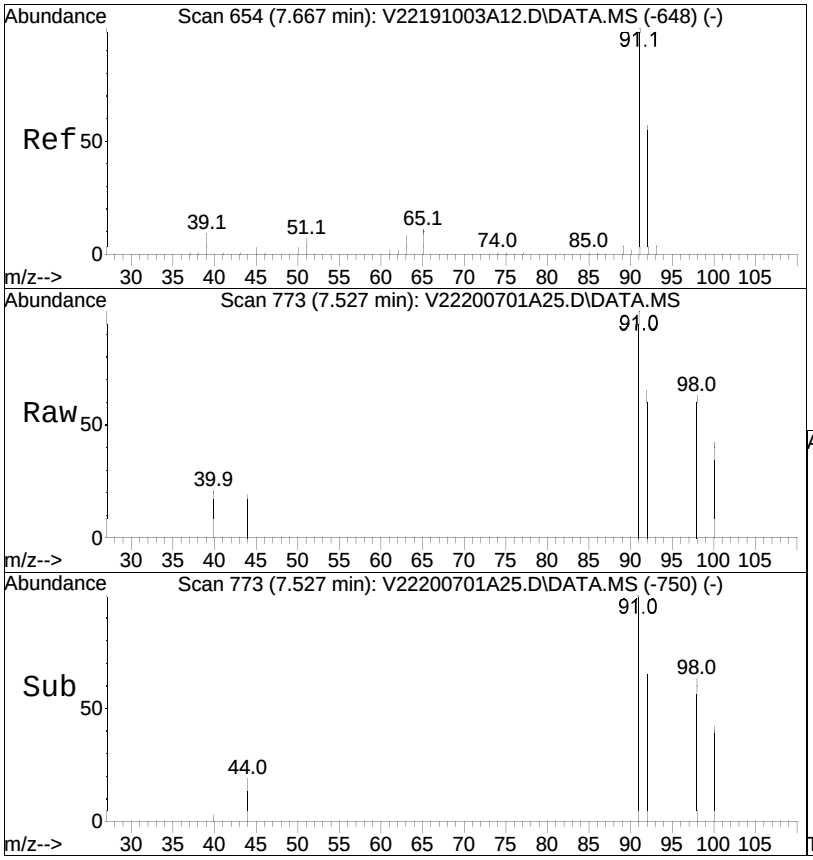


#51
Trichloroethene
Concen: 48.96 ug/L
RT: 5.957 min Scan# 592
Delta R.T. 0.000 min
Lab File: V22200701A25.D
Acq: 01 Jul 2020 06:36 pm

Tgt Ion: 95 Resp: 213472

Ion	Ratio	Lower	Upper
95	100		
97	65.6	55.0	82.4
130	128.1	89.2	133.8

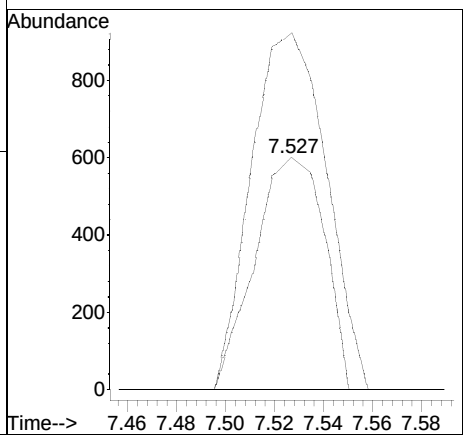


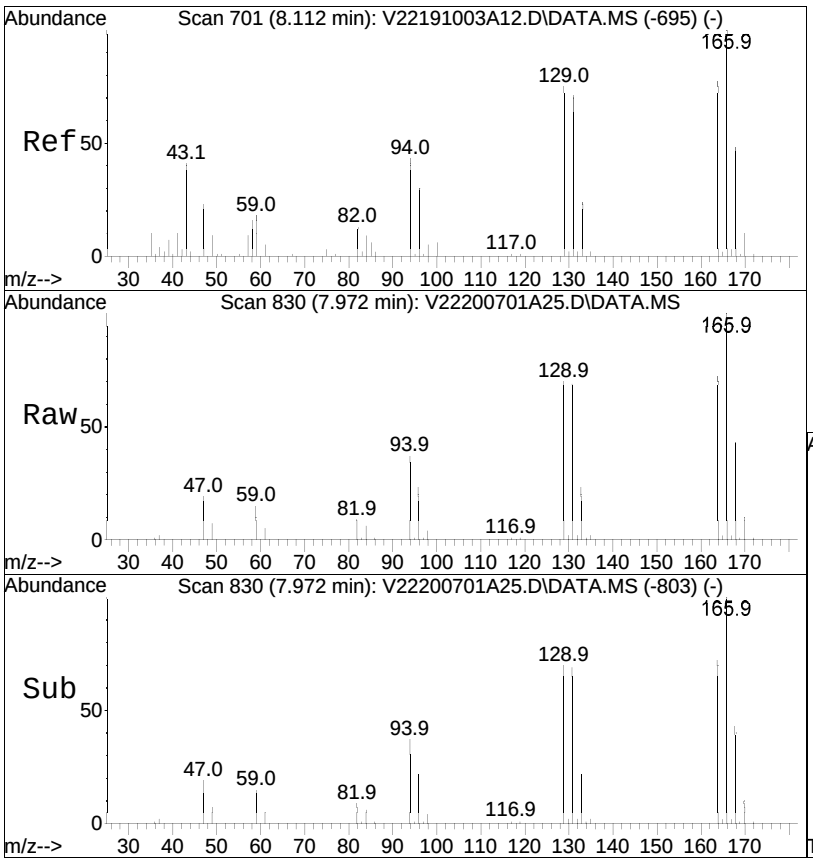


#64
Toluene
Concen: 0.11 ug/L
RT: 7.527 min Scan# 773
Delta R.T. -0.000 min
Lab File: V22200701A25.D
Acq: 01 Jul 2020 06:36 pm

Tgt Ion: 92 Resp: 1181

Ion	Ratio	Lower	Upper
92	100		
91	165.7	137.0	205.6

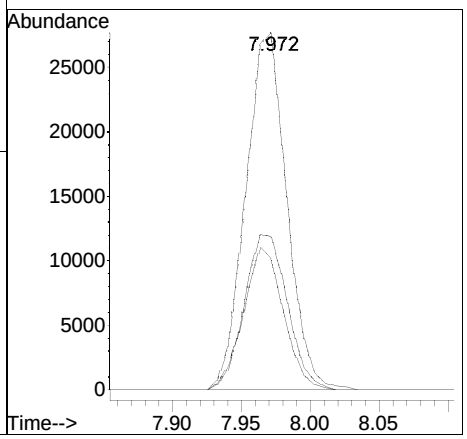


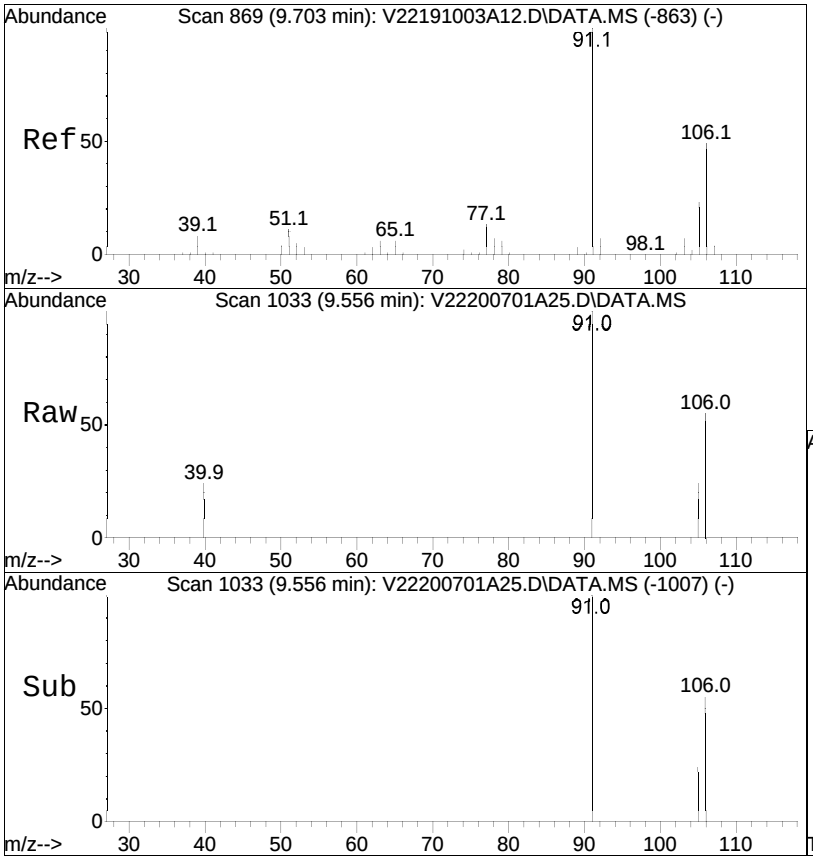


#66
Tetrachloroethene
Concen: 11.45 ug/L
RT: 7.972 min Scan# 830
Delta R.T. 0.008 min
Lab File: V22200701A25.D
Acq: 01 Jul 2020 06:36 pm

Tgt Ion:166 Resp: 56966

Ion	Ratio	Lower	Upper
166	100		
168	45.7	27.8	67.8
94	38.9	16.7	56.7

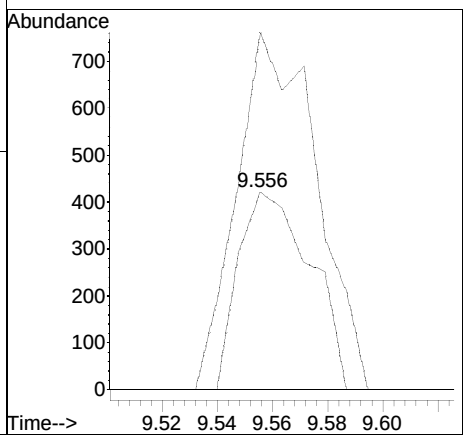




#80
p/m Xylene
Concen: 0.09 ug/L
RT: 9.556 min Scan# 1033
Delta R.T. -0.000 min
Lab File: V22200701A25.D
Acq: 01 Jul 2020 06:36 pm

Tgt Ion:106 Resp: 760

Ion	Ratio	Lower	Upper
106	100		
91	200.3	156.0	234.0

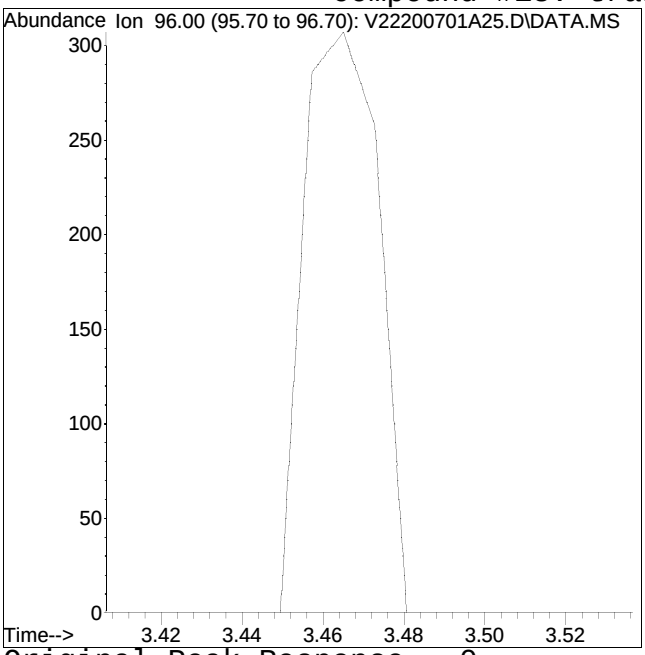


Manual Integration Report

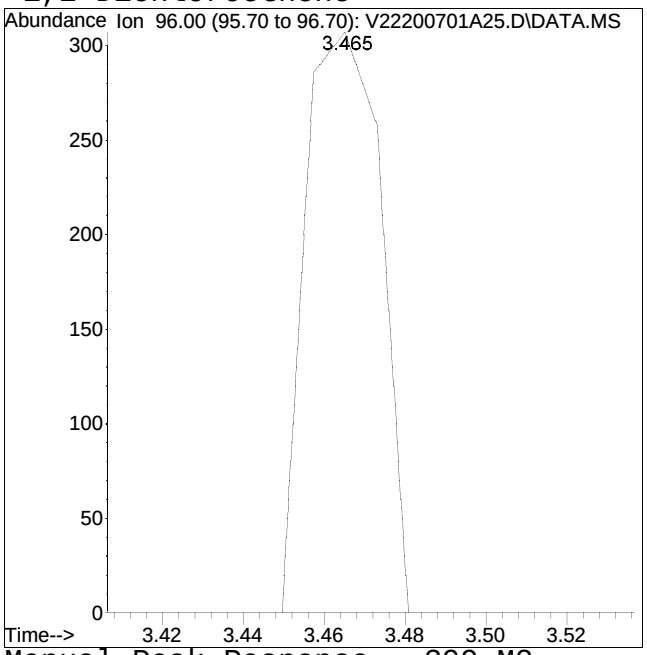
Data Path : I:\VOLATILES\VOA122\2020\2Q
Data File : V22200701A25.D
Date Inj'd : 7/1/2020 6:36 pm
Sample : l2027694-07D,31,5,10,,a

Method : V122_200617N_8260.m
Operator : VOA122:AJK
Instrument : VOA122
Quant Date : 7/1/2020 8:53 pm

Compound #18: trans-1,2-Dichloroethene



Original Peak Response = 0



Manual Peak Response = 399 M2

M2 = Peak not found by automatic integration algorithm.

LSC Area Percent Report

Data Path : I:\VOLATILES\VOA122\2020\200701A\
Data File : V22200701A25.D
Acq On : 01 Jul 2020 06:36 pm
Operator : VOA122:AJK
Sample : l2027694-07D,31,5,10,,a
Misc : WG1388388,ICAL16903
ALS Vial : 27 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 500 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : I:\VOLATILES\VOA122\2020\200701A\V122_200617N_8260.m
Title : VOLATILES BY GC/MS

Signal : TIC: V22200701A25.D\DATA.MS

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.530	30	31	39	rVB2	12222	24473	1.84%	0.283%
2	1.615	39	42	44	rVV	6111	8697	0.65%	0.101%
3	1.654	44	47	52	rVV	56347	74302	5.58%	0.860%
4	1.717	52	55	59	rVV	15220	16691	1.25%	0.193%
5	1.764	59	61	71	rVB2	2966	5664	0.43%	0.066%
6	2.092	87	103	116	rBV3	7016	29275	2.20%	0.339%
7	2.287	125	128	134	rVB	2692	4610	0.35%	0.053%
8	2.778	188	191	199	rVV2	1083	2531	0.19%	0.029%
9	2.919	203	209	211	rVB2	421	1262	0.09%	0.015%
10	2.966	211	215	218	rBV3	961	1964	0.15%	0.023%
11	3.098	228	232	239	rBB3	857	2044	0.15%	0.024%
12	3.364	260	266	273	rVV3	1331	4004	0.30%	0.046%
13	3.457	276	278	284	rVV	1376	2096	0.16%	0.024%
14	3.535	284	288	292	rVB	1430	2146	0.16%	0.025%
15	3.645	298	302	305	rBV2	605	1272	0.10%	0.015%
16	4.542	411	417	424	rBV	22274	43688	3.28%	0.506%
17	4.729	435	441	448	rBB	965	3141	0.24%	0.036%
18	4.956	462	470	483	rVV2	284689	716352	53.82%	8.295%
19	5.104	486	489	497	rVB2	1548	3585	0.27%	0.042%
20	5.369	516	523	527	rBV2	757	1867	0.14%	0.022%
21	5.494	530	539	548	rVV	71665	144764	10.88%	1.676%
22	5.784	563	572	582	rBV	183066	372373	27.98%	4.312%
23	5.957	584	592	605	rVV	651139	1330927	100.00%	15.412%
24	6.087	605	607	614	rVB3	1254	2702	0.20%	0.031%
25	7.465	757	765	782	rBB	241660	531964	39.97%	6.160%
26	7.777	796	805	815	rBB	7321	18594	1.40%	0.215%
27	7.964	823	829	840	rBB	155342	320797	24.10%	3.715%
28	8.791	928	935	941	rBB3	1263	3208	0.24%	0.037%

LSC Area Percent Report

Data Path : I:\VOLATILES\VOA122\2020\200701A\
Data File : V22200701A25.D
Acq On : 01 Jul 2020 06:36 pm
Operator : VOA122:AJK
Sample : l2027694-07D,31,5,10,,a
Misc : WG1388388,ICAL16903
ALS Vial : 27 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 500 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : I:\VOLATILES\VOA122\2020\200701A\V122_200617N_8260.m
Title : VOLATILES BY GC/MS

29	9.306	992	1001	1017	rBB	211413	427582	32.13%	4.951%
30	9.556	1030	1033	1042	rBB2	1546	3104	0.23%	0.036%
31	10.117	1099	1105	1109	rBB	609	1200	0.09%	0.014%
32	10.828	1187	1194	1205	rBB	180720	323841	24.33%	3.750%
33	12.065	1347	1353	1362	rBV	281415	430569	32.35%	4.986%
34	12.302	1382	1387	1391	rBV	6586	9681	0.73%	0.112%
35	12.434	1401	1406	1410	rBB2	1111	1662	0.12%	0.019%
36	12.524	1416	1419	1425	rBB2	883	1714	0.13%	0.020%
37	12.650	1431	1437	1443	rVB2	1624	3650	0.27%	0.042%
38	12.719	1443	1447	1451	rBV	1975	2884	0.22%	0.033%
39	12.803	1454	1459	1465	rBB	2451	5043	0.38%	0.058%
40	12.866	1465	1468	1471	rBV2	1653	2644	0.20%	0.031%
41	12.900	1471	1473	1478	rVB2	3457	5652	0.42%	0.065%
42	12.956	1478	1481	1484	rBV2	2039	2996	0.23%	0.035%
43	12.998	1484	1487	1490	rBV2	3229	4313	0.32%	0.050%
44	13.081	1495	1499	1500	rBV3	2395	3143	0.24%	0.036%
45	13.109	1500	1503	1506	rVB	8562	10030	0.75%	0.116%
46	13.158	1506	1510	1519	rBV2	20649	39609	2.98%	0.459%
47	13.241	1519	1522	1524	rBV	4391	5490	0.41%	0.064%
48	13.269	1524	1526	1530	rVB4	2114	1818	0.14%	0.021%
49	13.332	1530	1535	1543	rBV3	44693	81135	6.10%	0.940%
50	13.408	1543	1546	1549	rVB2	4391	5709	0.43%	0.066%
51	13.548	1551	1566	1570	rBV3	61042	161165	12.11%	1.866%
52	13.589	1570	1572	1576	rVB2	14836	18814	1.41%	0.218%
53	13.666	1578	1583	1590	rVB3	10796	21169	1.59%	0.245%
54	13.750	1590	1595	1597	rBV3	14085	19148	1.44%	0.222%
55	13.784	1597	1600	1603	rVB	17016	21910	1.65%	0.254%
56	13.868	1603	1612	1617	rBV4	56563	146404	11.00%	1.695%
57	13.944	1617	1623	1627	rVB2	54581	94961	7.13%	1.100%
58	13.986	1627	1629	1632	rVB2	6481	6517	0.49%	0.075%
59	14.021	1632	1634	1640	rVB3	15267	21781	1.64%	0.252%
60	14.105	1640	1646	1652	rVB3	19009	44545	3.35%	0.516%

LSC Area Percent Report

Data Path : I:\VOLATILES\VOA122\2020\200701A\
Data File : V22200701A25.D
Acq On : 01 Jul 2020 06:36 pm
Operator : VOA122:AJK
Sample : l2027694-07D,31,5,10,,a
Misc : WG1388388,ICAL16903
ALS Vial : 27 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 500 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : I:\VOLATILES\VOA122\2020\200701A\V122_200617N_8260.m
Title : VOLATILES BY GC/MS

61	14.202	1652	1660	1675	rBV5	102258	283354	21.29%	3.281%
62	14.334	1675	1679	1681	rBV4	16760	23987	1.80%	0.278%
63	14.376	1681	1685	1689	rVB	60618	86986	6.54%	1.007%
64	14.425	1690	1692	1696	rVV4	7422	8408	0.63%	0.097%
65	14.543	1700	1709	1715	rBV2	107377	192842	14.49%	2.233%
66	14.641	1716	1723	1725	rVV4	25386	43898	3.30%	0.508%
67	14.682	1725	1729	1731	rVV3	60989	114217	8.58%	1.323%
68	14.717	1732	1734	1739	rVV2	56323	81462	6.12%	0.943%
69	14.780	1739	1743	1747	rVB3	22846	36830	2.77%	0.426%
70	14.842	1747	1752	1760	rBV2	79925	158535	11.91%	1.836%
71	14.975	1765	1771	1775	rBV	153792	204064	15.33%	2.363%
72	15.030	1775	1779	1785	rBV4	27462	53959	4.05%	0.625%
73	15.170	1792	1799	1803	rBV	167357	255655	19.21%	2.960%
74	15.232	1803	1808	1814	rVV6	13317	40079	3.01%	0.464%
75	15.309	1814	1819	1827	rVB	157288	244764	18.39%	2.834%
76	15.476	1840	1843	1847	rVB3	16811	24555	1.84%	0.284%
77	15.525	1847	1850	1852	rVV3	10279	14764	1.11%	0.171%
78	15.566	1852	1856	1864	rVB	42463	82647	6.21%	0.957%
79	15.643	1864	1867	1874	rBV7	5740	11467	0.86%	0.133%
80	15.726	1874	1879	1890	rBV4	43306	97583	7.33%	1.130%
81	15.824	1891	1893	1899	rVB7	7455	11110	0.83%	0.129%
82	15.907	1899	1905	1909	rBV7	8414	22745	1.71%	0.263%
83	15.970	1909	1914	1926	rVV	55248	106400	7.99%	1.232%
84	16.109	1928	1934	1946	rVV	147573	260403	19.57%	3.015%
85	16.242	1946	1953	1956	rVV	152915	266275	20.01%	3.083%
86	16.283	1957	1959	1966	rVB	85711	124959	9.39%	1.447%
87	16.430	1975	1980	1983	rBV	14368	24624	1.85%	0.285%
88	16.471	1983	1986	1990	rVV2	14273	26536	1.99%	0.307%
89	16.527	1990	1994	2000	rVB	20297	37491	2.82%	0.434%
90	16.666	2009	2014	2021	rVB4	13549	27430	2.06%	0.318%
91	16.791	2026	2032	2034	rBV5	2182	4499	0.34%	0.052%

LSC Area Percent Report

Data Path : I:\VOLATILES\VOA122\2020\200701A\
Data File : V22200701A25.D
Acq On : 01 Jul 2020 06:36 pm
Operator : VOA122:AJK
Sample : l2027694-07D,31,5,10,,a
Misc : WG1388388,ICAL16903
ALS Vial : 27 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 500 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : I:\VOLATILES\VOA122\2020\200701A\V122_200617N_8260.m
Title : VOLATILES BY GC/MS

92	16.847	2036	2040	2045	rVB2	3376	7563	0.57%	0.088%
93	16.924	2046	2051	2052	rBV3	2462	3769	0.28%	0.044%
94	17.042	2059	2068	2073	rBV3	9501	21206	1.59%	0.246%
95	17.098	2075	2076	2080	rBV4	1656	2023	0.15%	0.023%
96	17.321	2104	2108	2112	rBV2	3569	7605	0.57%	0.088%
97	17.376	2113	2116	2122	rVB2	4599	6046	0.45%	0.070%
98	17.564	2137	2143	2147	rBV6	2778	5154	0.39%	0.060%
99	17.926	2190	2195	2198	rVB8	1623	2968	0.22%	0.034%
100	18.678	2302	2303	2307	rBV4	1229	2082	0.16%	0.024%

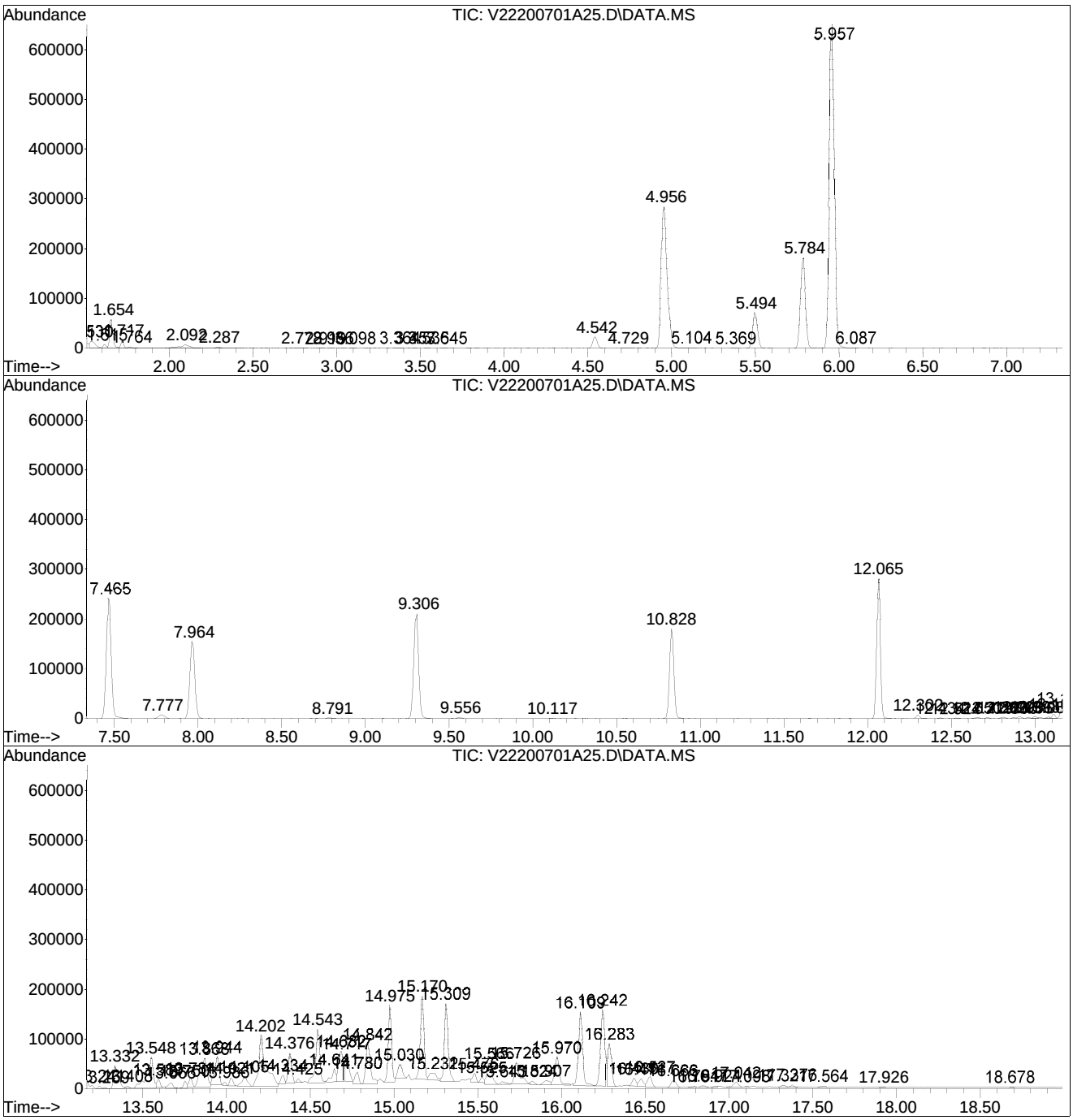
Sum of corrected areas: 8635820

LSC Report - Integrated Chromatogram

Data Path : I:\VOLATILES\VOA122\2020\200701A\
Data File : V22200701A25.D
Acq On : 01 Jul 2020 06:36 pm
Operator : VOA122:AJK
Sample : l2027694-07D,31,5,10,,a
Misc : WG1388388,ICAL16903
ALS Vial : 27 Sample Multiplier: 1

Quant Method : I:\VOLATILES\VOA122\2020\200701A\V122_200617N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p



Library Search Compound Report

Data Path : I:\VOLATILES\VOA122\2020\200701A\
Data File : V22200701A25.D
Acq On : 01 Jul 2020 06:36 pm
Operator : VOA122:AJK
Sample : l2027694-07D,31,5,10,,a
Misc : WG1388388,ICAL16903
ALS Vial : 27 Sample Multiplier: 1

Quant Method : I:\VOLATILES\VOA122\2020\200701A\V122_200617N_8260.m
Quant Title : VOLATILES BY GC/MS

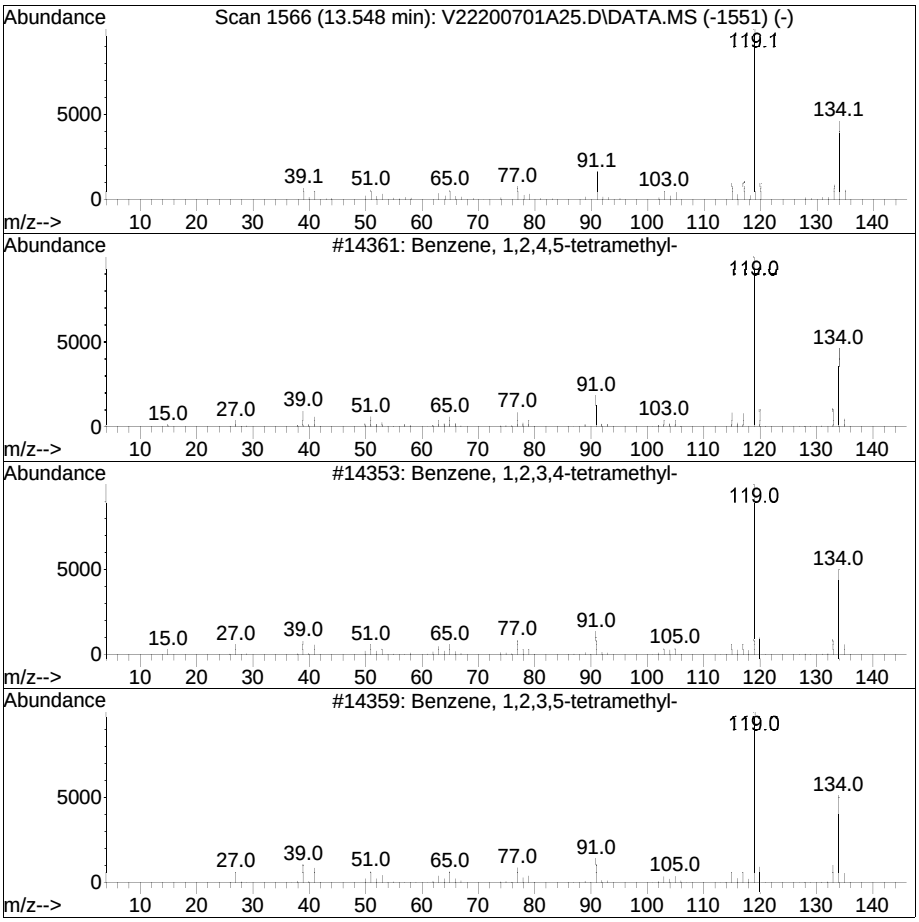
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TIC Integration Parameters: rteint.p

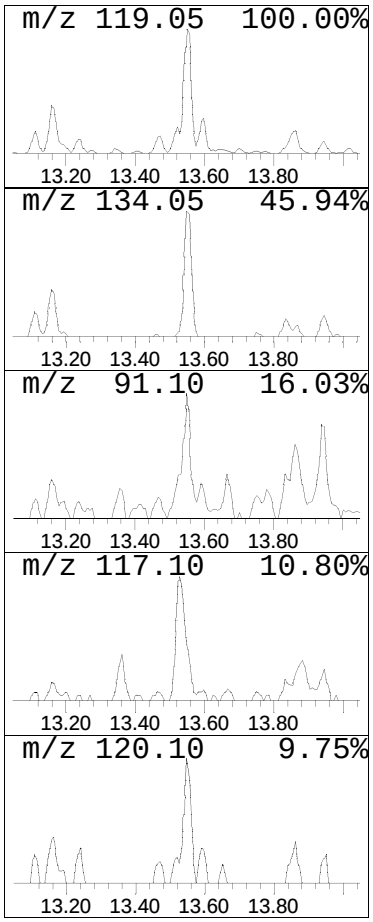
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Peak Number 1 Unknown Benzene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.548	3.74 ug/L	161165	1,4-Dichlorobenzene-d4	12.065

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
4	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	94
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91





Data Path : I:\VOLATILES\VOA122\2020\200701A\
Data File : V22200701A25.D
Acq On : 01 Jul 2020 06:36 pm
Operator : VOA122:AJK
Sample : l2027694-07D,31,5,10,,a
Misc : WG1388388,ICAL16903
ALS Vial : 27 Sample Multiplier: 1

Quant Method : I:\VOLATILES\VOA122\2020\200701A\V122_200617N_8260.m
Quant Title : VOLATILES BY GC/MS

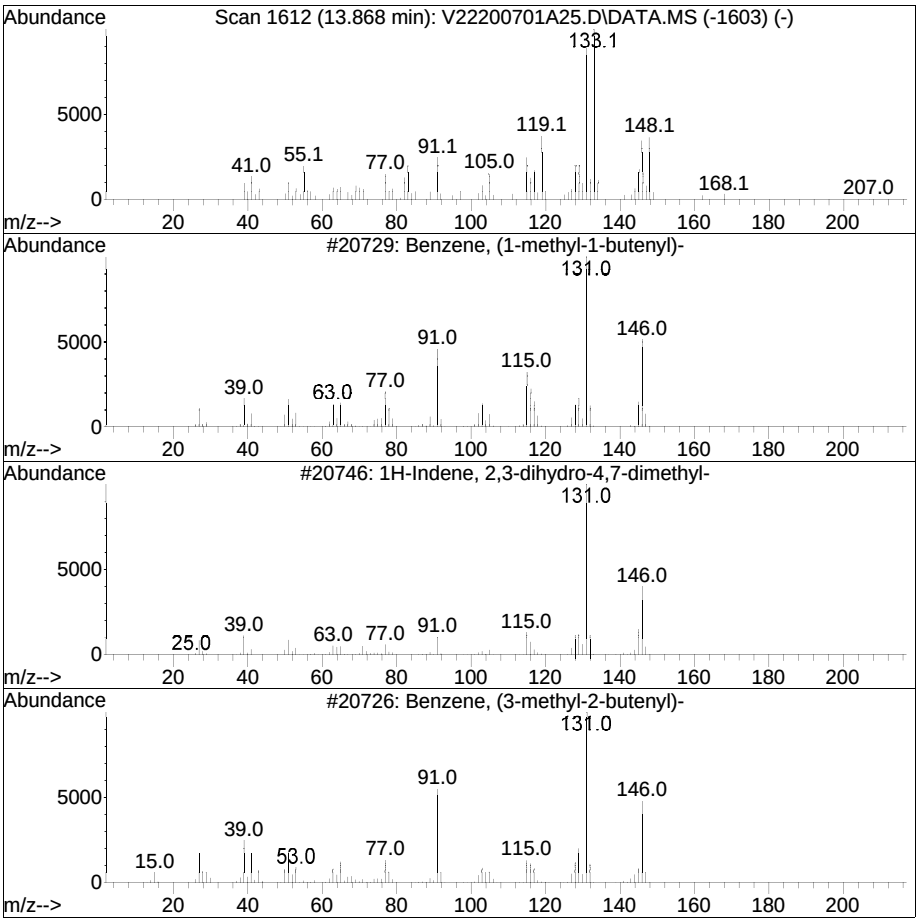
TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

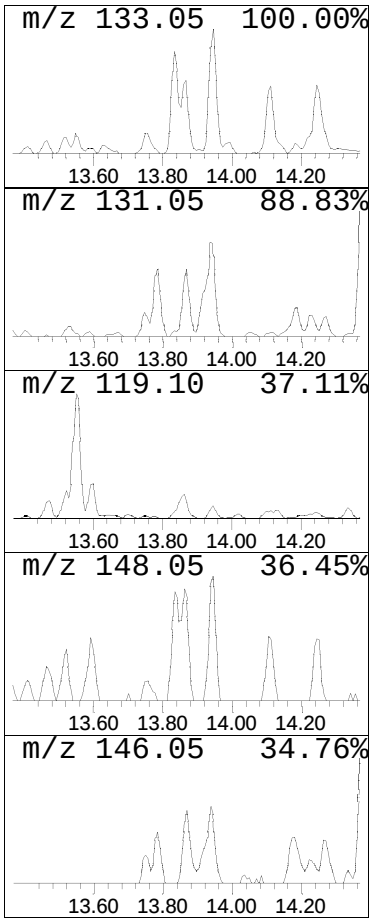
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Peak Number 2 Unknown Aromatic Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.868	3.40 ug/L	146404	1,4-Dichlorobenzene-d4	12.065

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	60
2	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	46
3	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	46
4	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	41
5	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	41





Data Path : I:\VOLATILES\VOA122\2020\200701A\
Data File : V22200701A25.D
Acq On : 01 Jul 2020 06:36 pm
Operator : VOA122:AJK
Sample : l2027694-07D,31,5,10,,a
Misc : WG1388388,ICAL16903
ALS Vial : 27 Sample Multiplier: 1

Quant Method : I:\VOLATILES\VOA122\2020\200701A\V122_200617N_8260.m
Quant Title : VOLATILES BY GC/MS

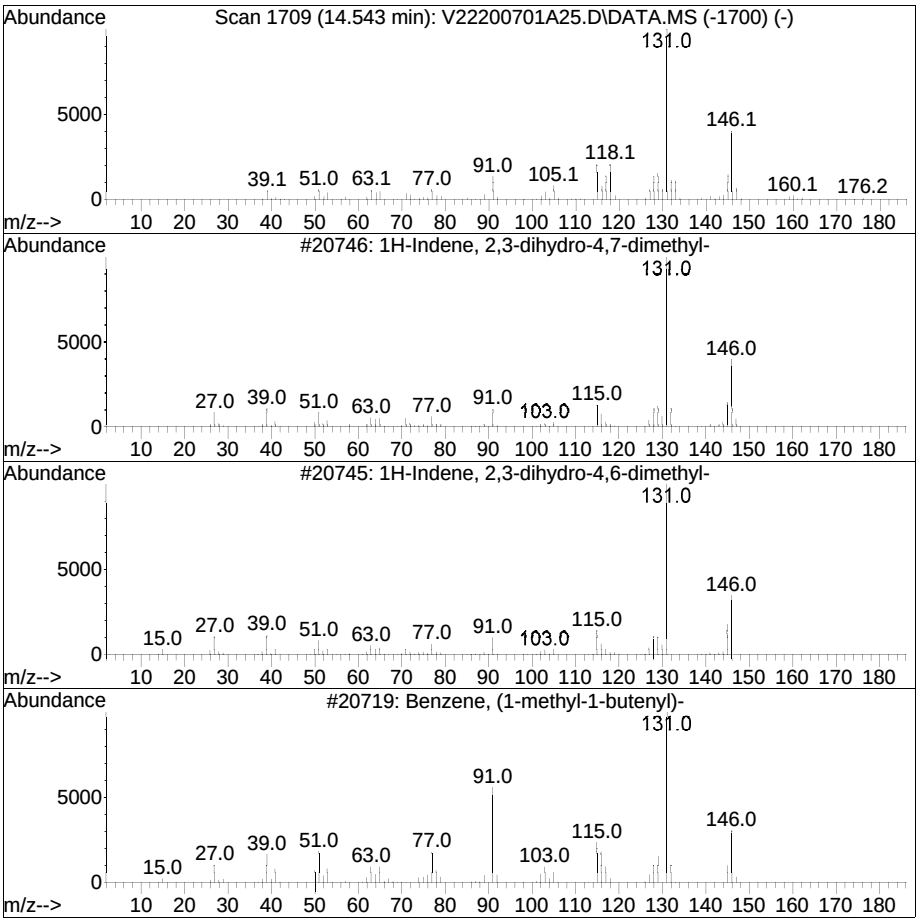
TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

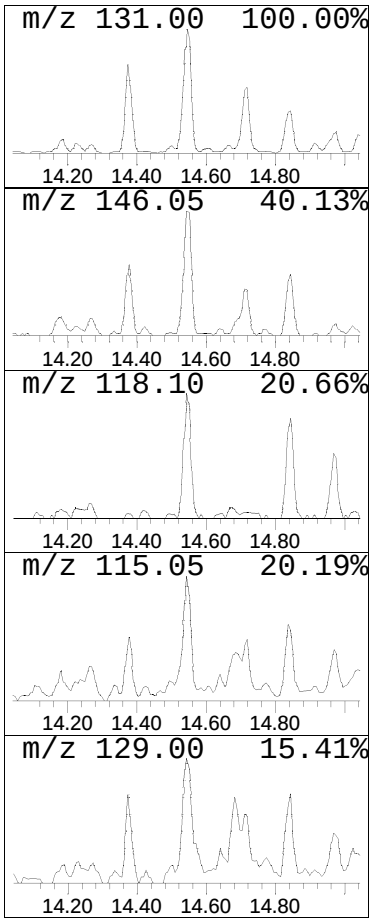
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Peak Number 3 Unknown Aromatic Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.543	4.48 ug/L	192842	1,4-Dichlorobenzene-d4	12.065

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	95
2	1H-Indene, 2,3-dihydro-4,6-dimet...	146	C11H14	001685-82-1	93
3	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	91
4	.alpha.,.beta.,.beta.-Trimethyls...	146	C11H14	000769-57-3	91
5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	90





Data Path : I:\VOLATILES\VOA122\2020\200701A\
Data File : V22200701A25.D
Acq On : 01 Jul 2020 06:36 pm
Operator : VOA122:AJK
Sample : l2027694-07D,31,5,10,,a
Misc : WG1388388,ICAL16903
ALS Vial : 27 Sample Multiplier: 1

Quant Method : I:\VOLATILES\VOA122\2020\200701A\V122_200617N_8260.m
Quant Title : VOLATILES BY GC/MS

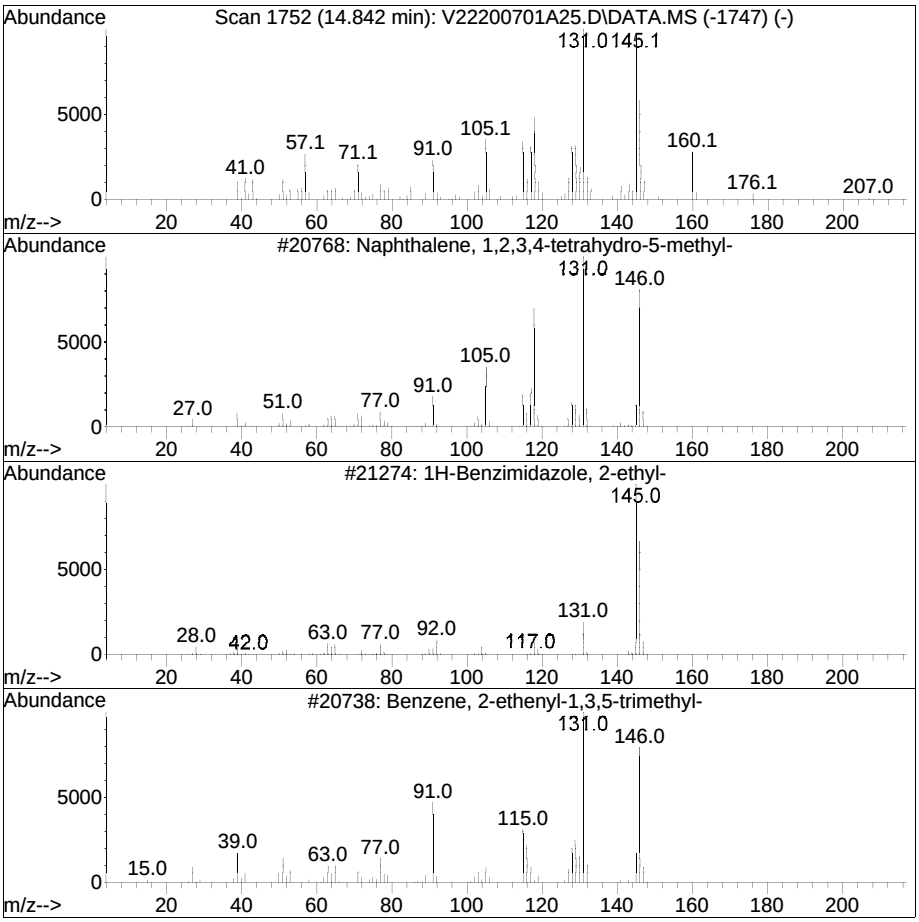
TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

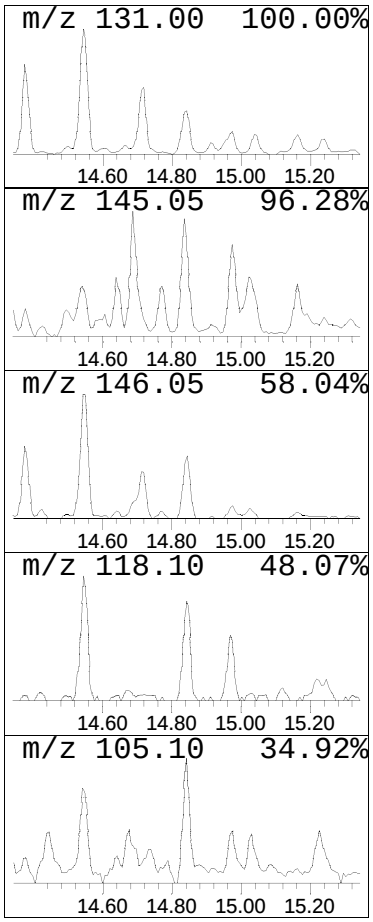
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Peak Number 4 Unknown Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.842	3.68 ug/L	158535	1,4-Dichlorobenzene-d4	12.065

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	60
2	1H-Benzimidazole, 2-ethyl-	146	C9H10N2	001848-84-6	58
3	Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	55
4	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	55
5	1H-Benzimidazole, 5,6-dimethyl-	146	C9H10N2	000582-60-5	55





Data Path : I:\VOLATILES\VOA122\2020\200701A\
Data File : V22200701A25.D
Acq On : 01 Jul 2020 06:36 pm
Operator : VOA122:AJK
Sample : l2027694-07D,31,5,10,,a
Misc : WG1388388,ICAL16903
ALS Vial : 27 Sample Multiplier: 1

Quant Method : I:\VOLATILES\VOA122\2020\200701A\V122_200617N_8260.m
Quant Title : VOLATILES BY GC/MS

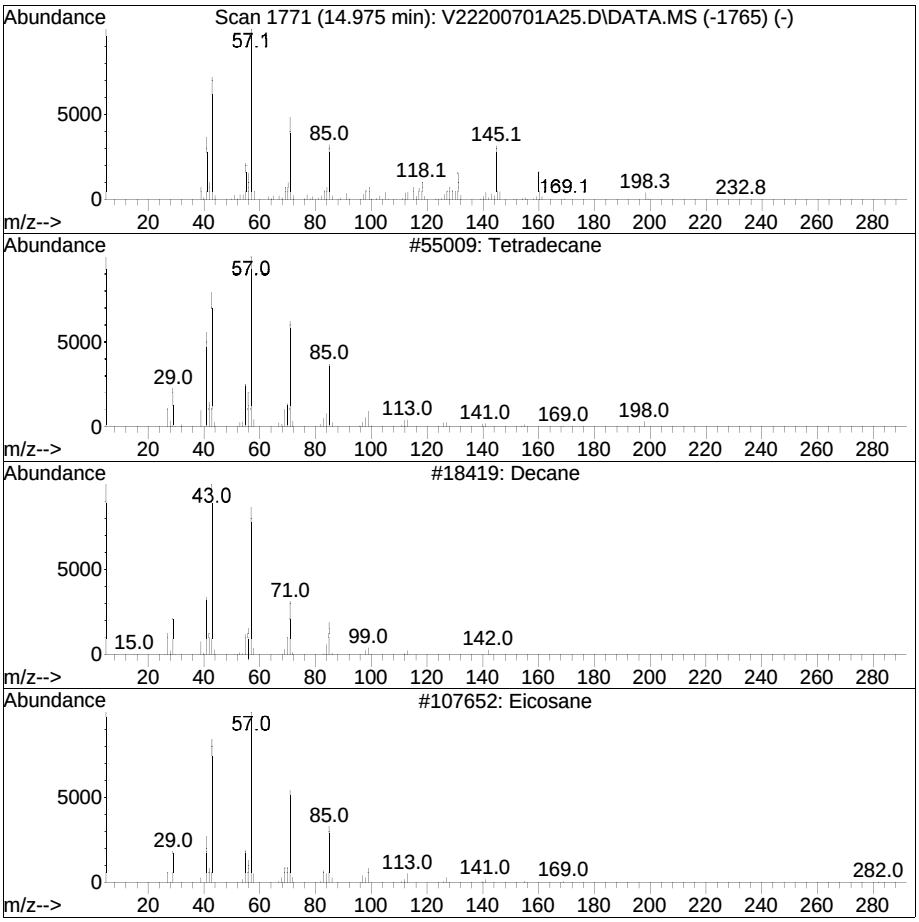
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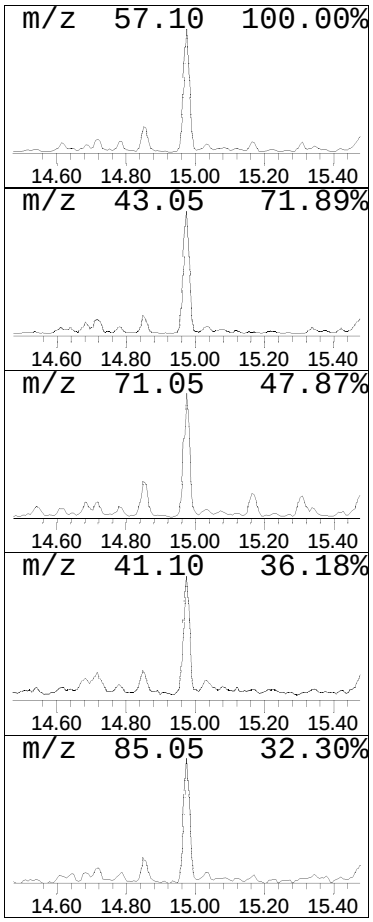
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Peak Number 5 Tetradecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.975	4.74 ug/L	204064	1,4-Dichlorobenzene-d4	12.065

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	95
2	Decane	142	C10H22	000124-18-5	49
3	Eicosane	282	C20H42	000112-95-8	46
4	Hexadecane	226	C16H34	000544-76-3	46
5	Tridecane	184	C13H28	000629-50-5	46





Data Path : I:\VOLATILES\VOA122\2020\200701A\
Data File : V22200701A25.D
Acq On : 01 Jul 2020 06:36 pm
Operator : VOA122:AJK
Sample : l2027694-07D,31,5,10,,a
Misc : WG1388388,ICAL16903
ALS Vial : 27 Sample Multiplier: 1

Quant Method : I:\VOLATILES\VOA122\2020\200701A\V122_200617N_8260.m
Quant Title : VOLATILES BY GC/MS

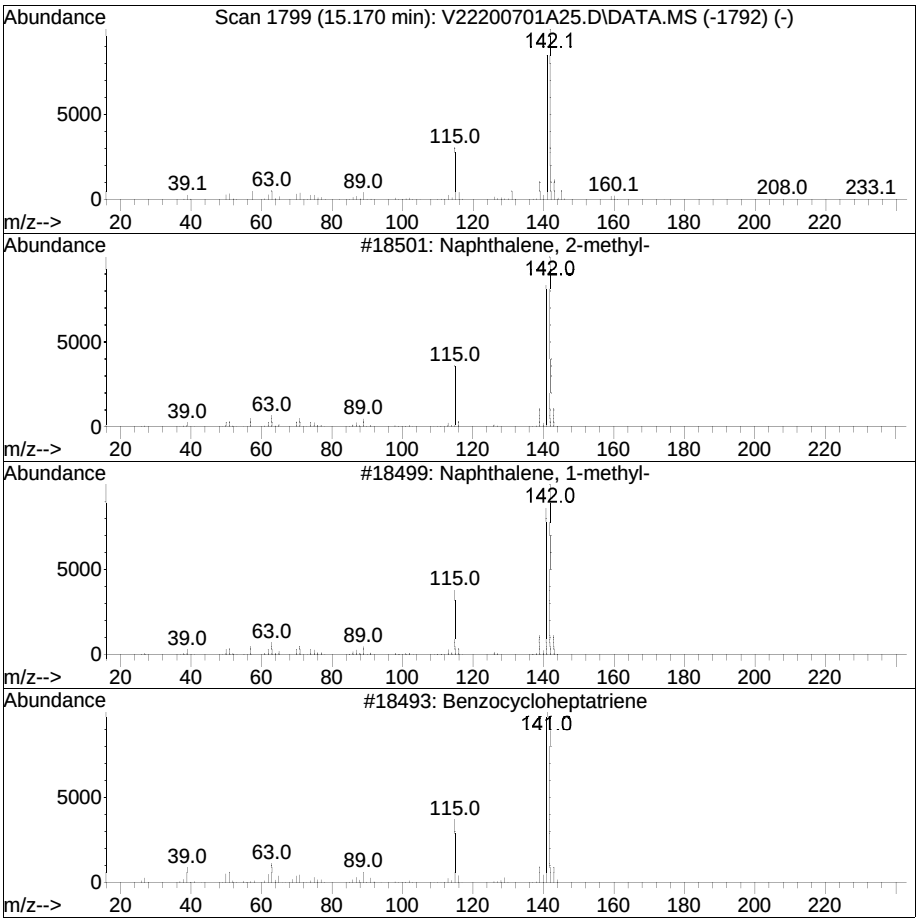
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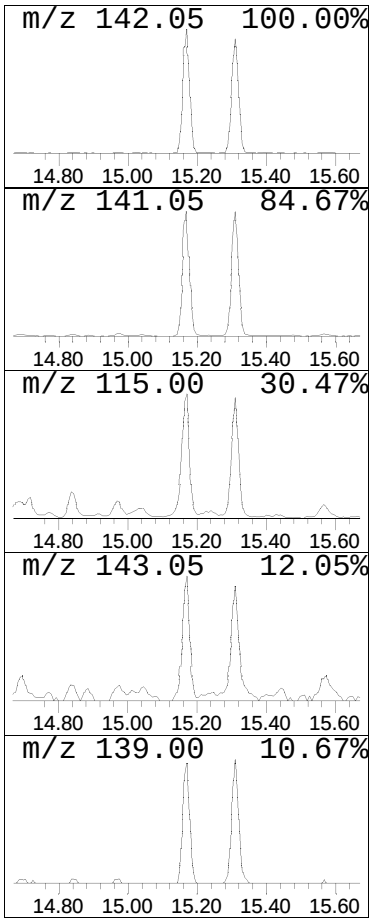
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Peak Number 6 Unknown Aromatic Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.170	5.94 ug/L	255655	1,4-Dichlorobenzene-d4	12.065

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3	Benzocycloheptatriene	142	C11H10	000264-09-5	91
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	90
5	Naphthalene, 1-(2-hydroxypropyl)	186	C13H14O	027653-13-0	83





Data Path : I:\VOLATILES\VOA122\2020\200701A\
Data File : V22200701A25.D
Acq On : 01 Jul 2020 06:36 pm
Operator : VOA122:AJK
Sample : l2027694-07D,31,5,10,,a
Misc : WG1388388,ICAL16903
ALS Vial : 27 Sample Multiplier: 1

Quant Method : I:\VOLATILES\VOA122\2020\200701A\V122_200617N_8260.m
Quant Title : VOLATILES BY GC/MS

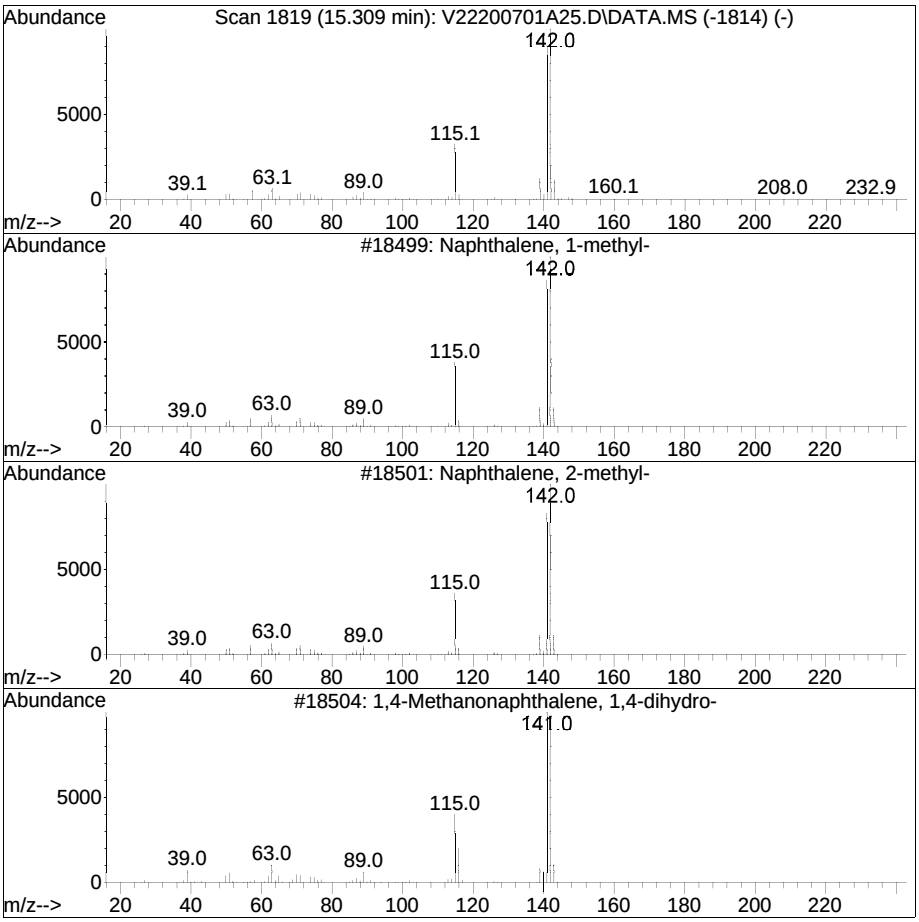
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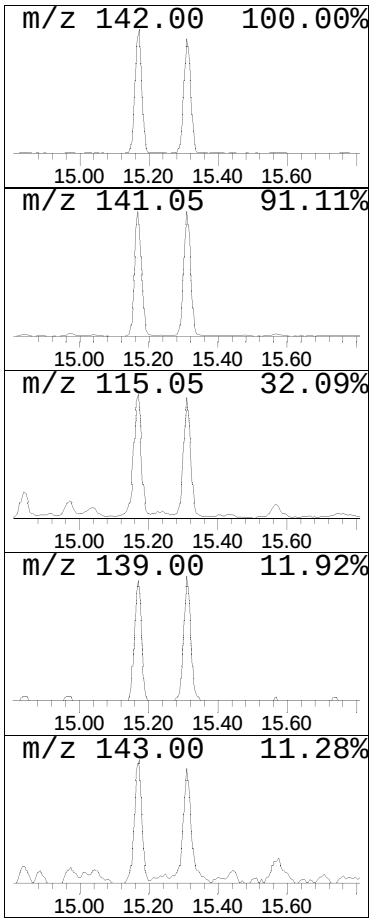
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Peak Number 7 Unknown Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.309	5.68 ug/L	244764	1,4-Dichlorobenzene-d4	12.065

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
4	Benzocycloheptatriene	142	C11H10	000264-09-5	91
5	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	91





Data Path : I:\VOLATILES\VOA122\2020\200701A\
Data File : V22200701A25.D
Acq On : 01 Jul 2020 06:36 pm
Operator : VOA122:AJK
Sample : l2027694-07D,31,5,10,,a
Misc : WG1388388,ICAL16903
ALS Vial : 27 Sample Multiplier: 1

Quant Method : I:\VOLATILES\VOA122\2020\200701A\V122_200617N_8260.m
Quant Title : VOLATILES BY GC/MS

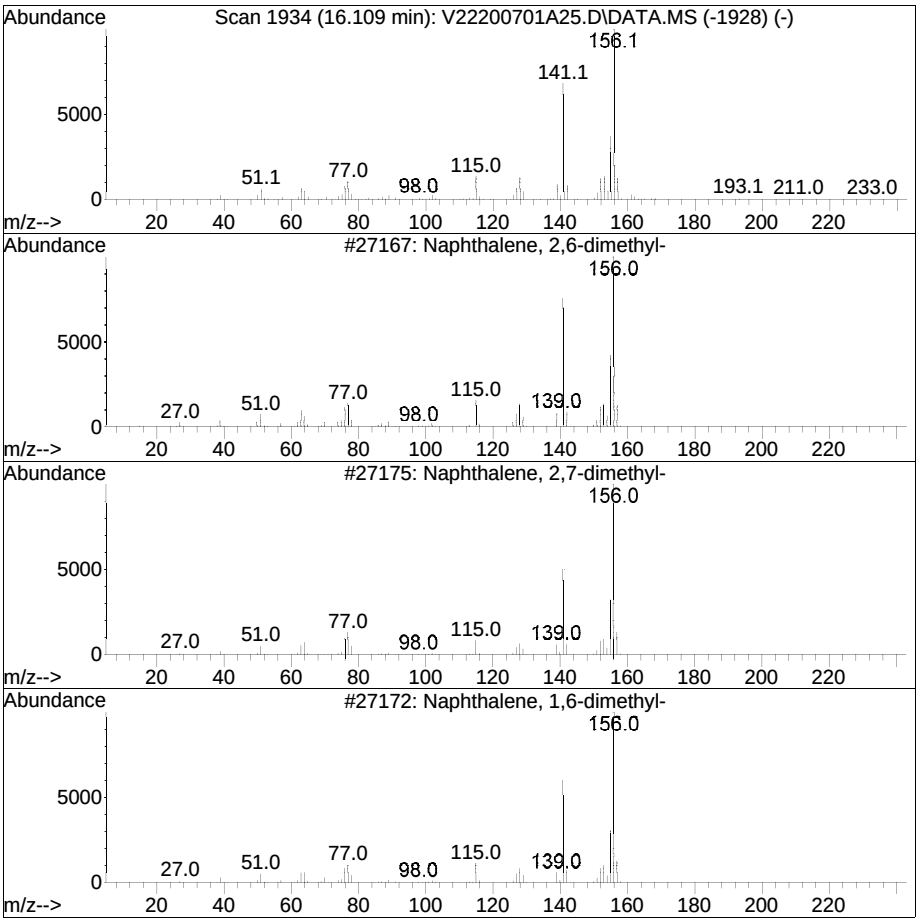
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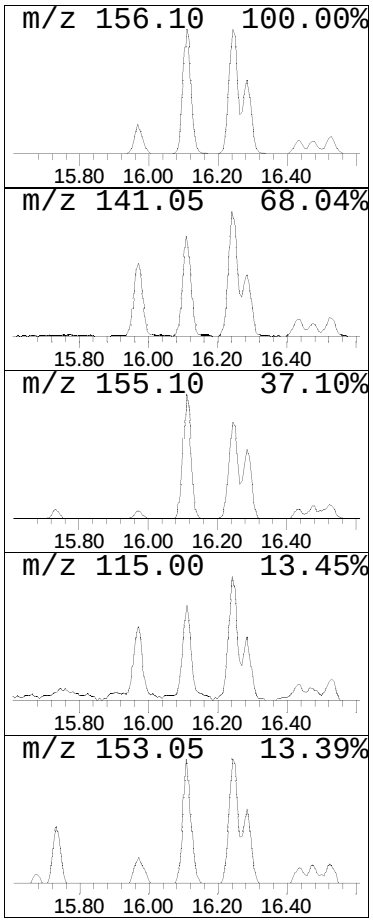
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Peak Number 8 Unknown Naphthalene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.109	6.05 ug/L	260403	1,4-Dichlorobenzene-d4	12.065

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
4	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97





Data Path : I:\VOLATILES\VOA122\2020\200701A\
Data File : V22200701A25.D
Acq On : 01 Jul 2020 06:36 pm
Operator : VOA122:AJK
Sample : l2027694-07D,31,5,10,,a
Misc : WG1388388,ICAL16903
ALS Vial : 27 Sample Multiplier: 1

Quant Method : I:\VOLATILES\VOA122\2020\200701A\V122_200617N_8260.m
Quant Title : VOLATILES BY GC/MS

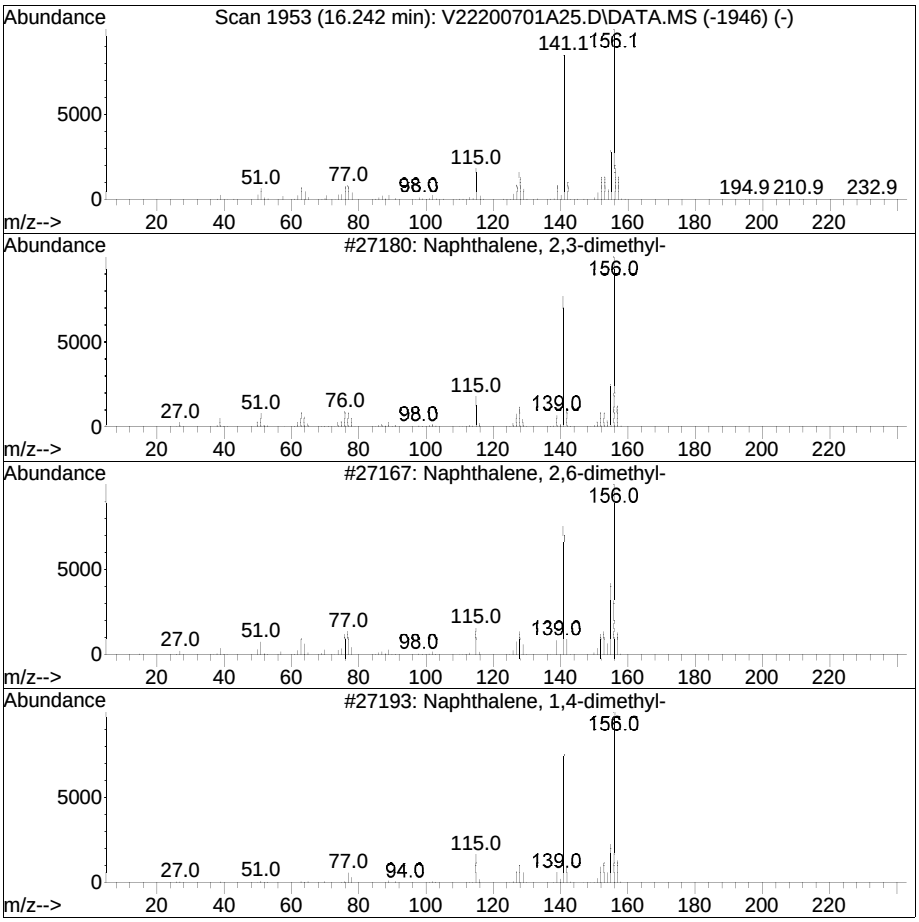
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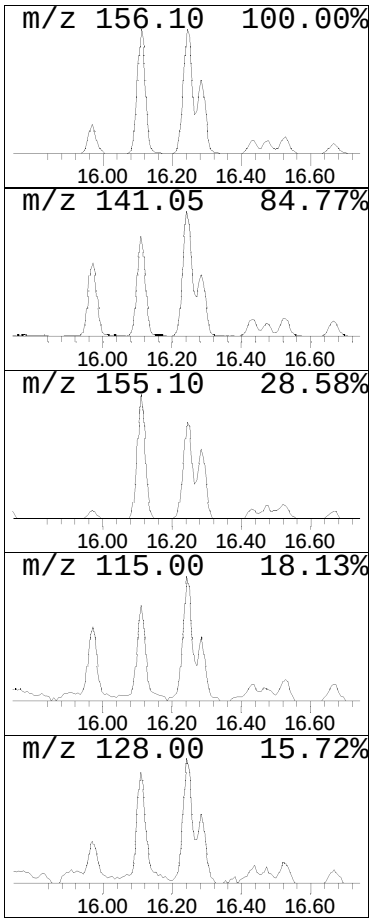
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Peak Number 9 Unknown Naphthalene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.242	6.18 ug/L	266275	1,4-Dichlorobenzene-d4	12.065

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96





Data Path : I:\VOLATILES\VOA122\2020\200701A\
Data File : V22200701A25.D
Acq On : 01 Jul 2020 06:36 pm
Operator : VOA122:AJK
Sample : l2027694-07D,31,5,10,,a
Misc : WG1388388,ICAL16903
ALS Vial : 27 Sample Multiplier: 1

Quant Method : I:\VOLATILES\VOA122\2020\200701A\V122_200617N_8260.m
Quant Title : VOLATILES BY GC/MS

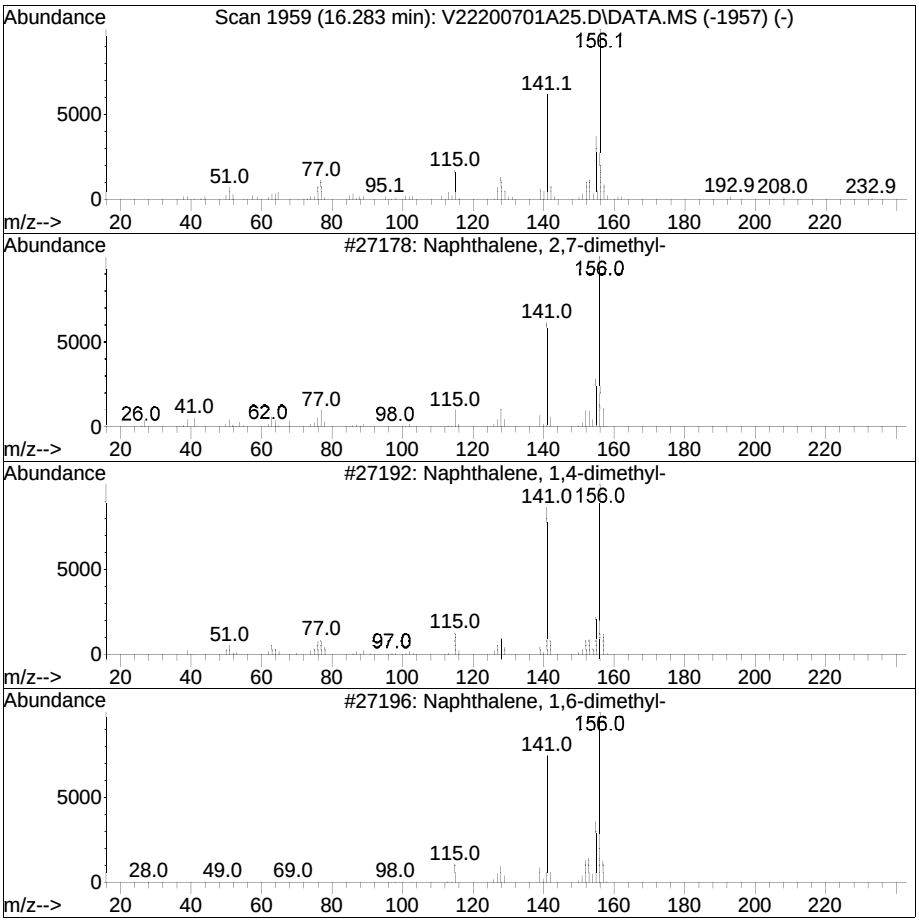
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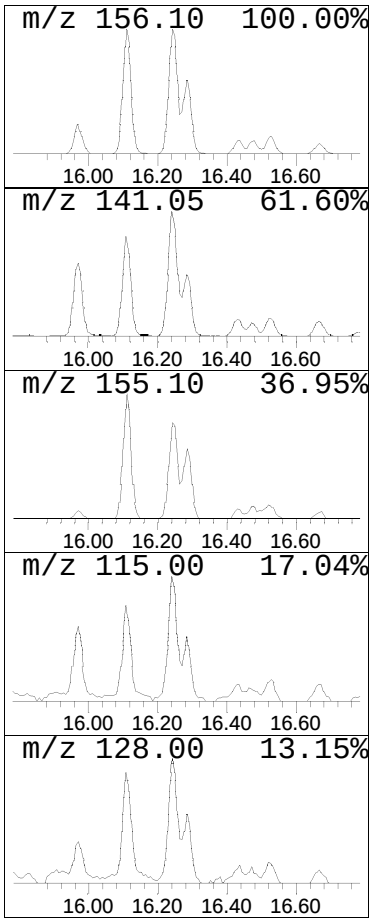
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Peak Number 10 Unknown Naphthalene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.283	2.90 ug/L	124959	1,4-Dichlorobenzene-d4	12.065

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
2	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	94
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	93
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	93





Tentatively Identified Compound (LSC) summary

Data Path : I:\VOLATILES\VOA122\2020\200701A\
Data File : V22200701A25.D
Acq On : 01 Jul 2020 06:36 pm
Operator : VOA122:AJK
Sample : l2027694-07D,31,5,10,,a
Misc : WG1388388,ICAL16903
ALS Vial : 27 Sample Multiplier: 1

Quant Method : I:\VOLATILES\VOA122\2020\200701A\V122_200617N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Unknown Benzene	13.548	3.7	ug/L	161165	3	12.065	430569	10.0
Unknown Aromatic	13.868	3.4	ug/L	146404	3	12.065	430569	10.0
Unknown Aromatic	14.543	4.5	ug/L	192842	3	12.065	430569	10.0
Unknown	14.842	3.7	ug/L	158535	3	12.065	430569	10.0
Tetradecane	14.975	4.7	ug/L	204064	3	12.065	430569	10.0
Unknown Aromatic	15.170	5.9	ug/L	255655	3	12.065	430569	10.0
Unknown	15.309	5.7	ug/L	244764	3	12.065	430569	10.0
Unknown Naphtha...	16.109	6.0	ug/L	260403	3	12.065	430569	10.0
Unknown Naphtha...	16.242	6.2	ug/L	266275	3	12.065	430569	10.0
Unknown Naphtha...	16.283	2.9	ug/L	124959	3	12.065	430569	10.0

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2020\200701N\
Data File : VE200701N22.D
Acq On : 2 Jul 2020 12:43 am
Operator : ELAINE:NLK
Sample : l2027694-10,31,10,10,,a
Misc : WG1388497,ICAL16849
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 02 10:59:19 2020
Quant Method : I:\VOLATILES\Elaine\2020\200701N\Elaine_200602N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jun 03 14:54:28 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2020\200701N\VE200701N01.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.490	96	152450	10.000 ug/L	0.00
Standard Area 1 = 144276			Recovery = 105.67%		
59) Chlorobenzene-d5	8.497	117	112720	10.000 ug/L	0.00
Standard Area 1 = 121890			Recovery = 92.48%		
79) 1,4-Dichlorobenzene-d4	9.989	152	54835	10.000 ug/L	0.00
Standard Area 1 = 61045			Recovery = 89.83%		
System Monitoring Compounds					
36) Dibromofluoromethane	4.502	113	37016	10.244 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.44%		
43) 1,2-Dichloroethane-d4	5.145	65	43110	9.735 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.35%		
60) Toluene-d8	7.195	98	145961	9.796 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.96%		
83) 4-Bromofluorobenzene	9.321	95	53863	9.525 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.25%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.	
3) Chloromethane	1.060	50	1615	0.574 ug/L #	49
4) Vinyl chloride	0.000		0	N.D.	
5) Bromomethane	0.000		0	N.D.	
6) Chloroethane	0.000		0	N.D. d	
7) Trichlorofluoromethane	0.000		0	N.D.	
10) 1,1-Dichloroethene	0.000		0	N.D.	
11) Carbon disulfide	1.867	76	1389	0.269 ug/L #	76
12) Freon-113	0.000		0	N.D.	
15) Methylene chloride	2.357	84	672	0.250 ug/L #	61
17) Acetone	2.410	43	46857	78.066 ug/L	96
18) trans-1,2-Dichloroethene	0.000		0	N.D.	
19) Methyl acetate	0.000		0	N.D. d	
20) Methyl tert-butyl ether	2.635	73	1215M1	0.175 ug/L	
23) 1,1-Dichloroethane	0.000		0	N.D.	
28) cis-1,2-Dichloroethene	0.000		0	N.D.	
30) Bromochloromethane	0.000		0	N.D.	
31) Cyclohexane	0.000		0	N.D.	
32) Chloroform	4.257	83	3563	0.794 ug/L #	87
34) Carbon tetrachloride	0.000		0	N.D.	

Data Path : I:\VOLATILES\Elaine\2020\200701N\
Data File : VE200701N22.D
Acq On : 2 Jul 2020 12:43 am
Operator : ELAINE:NLK
Sample : l2027694-10,31,10,10,,a
Misc : WG1388497,ICAL16849
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 02 10:59:19 2020
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Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jun 03 14:54:28 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2020\200701N\VE200701N01.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1,1,1-Trichloroethane	0.000		0	N.D.		
39) 2-Butanone	4.708	43	4224	4.479	ug/L	96
41) Benzene	4.961	78	887M1	0.079	ug/L	
44) 1,2-Dichloroethane	0.000		0	N.D.		
47) Methyl cyclohexane	0.000		0	N.D.		
48) Trichloroethene	0.000		0	N.D.		
51) 1,2-Dichloropropane	0.000		0	N.D.		
54) Bromodichloromethane	0.000		0	N.D.		
57) 1,4-Dioxane	0.000		0	N.D.		
58) cis-1,3-Dichloropropene	0.000		0	N.D.		
61) Toluene	7.245	92	2344	0.337	ug/L	83
62) 4-Methyl-2-pentanone	0.000		0	N.D.		
63) Tetrachloroethene	0.000		0	N.D.		
65) trans-1,3-Dichloropropene	0.000		0	N.D.		
68) 1,1,2-Trichloroethane	0.000		0	N.D.		
69) Chlorodibromomethane	0.000		0	N.D.		
71) 1,2-Dibromoethane	0.000		0	N.D.		
72) 2-Hexanone	0.000		0	N.D. d		
73) Chlorobenzene	0.000		0	N.D.		
74) Ethylbenzene	0.000		0	N.D.		
76) p/m Xylene	0.000		0	N.D.		
77) o Xylene	0.000		0	N.D.		
78) Styrene	0.000		0	N.D.		
80) Bromoform	0.000		0	N.D.		
82) Isopropylbenzene	0.000		0	N.D.		
87) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
100) 1,3-Dichlorobenzene	0.000		0	N.D.		
101) 1,4-Dichlorobenzene	0.000		0	N.D.		
104) 1,2-Dichlorobenzene	0.000		0	N.D.		
106) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
109) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
111) 1,2,3-Trichlorobenzene	0.000		0	N.D.		

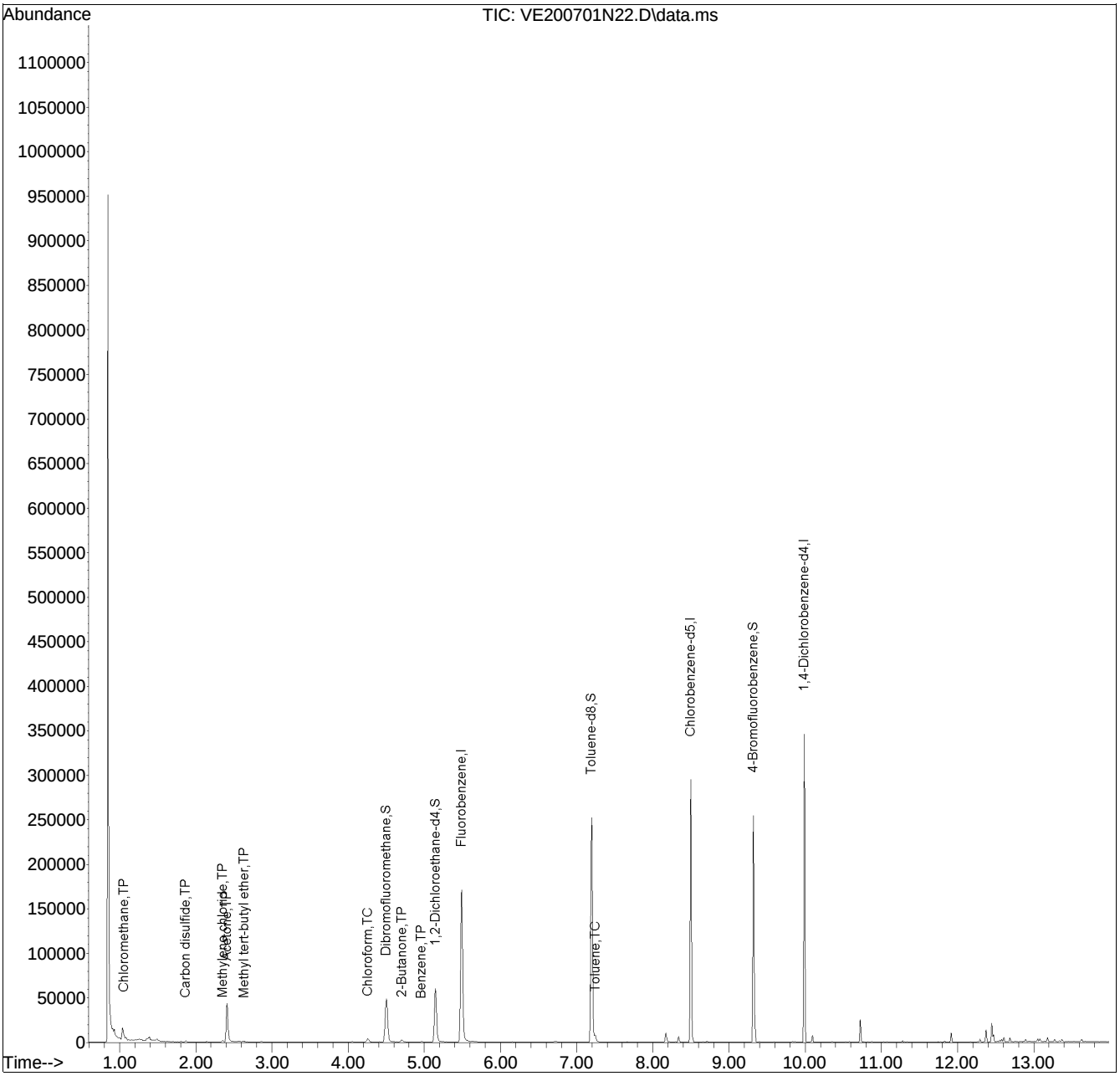
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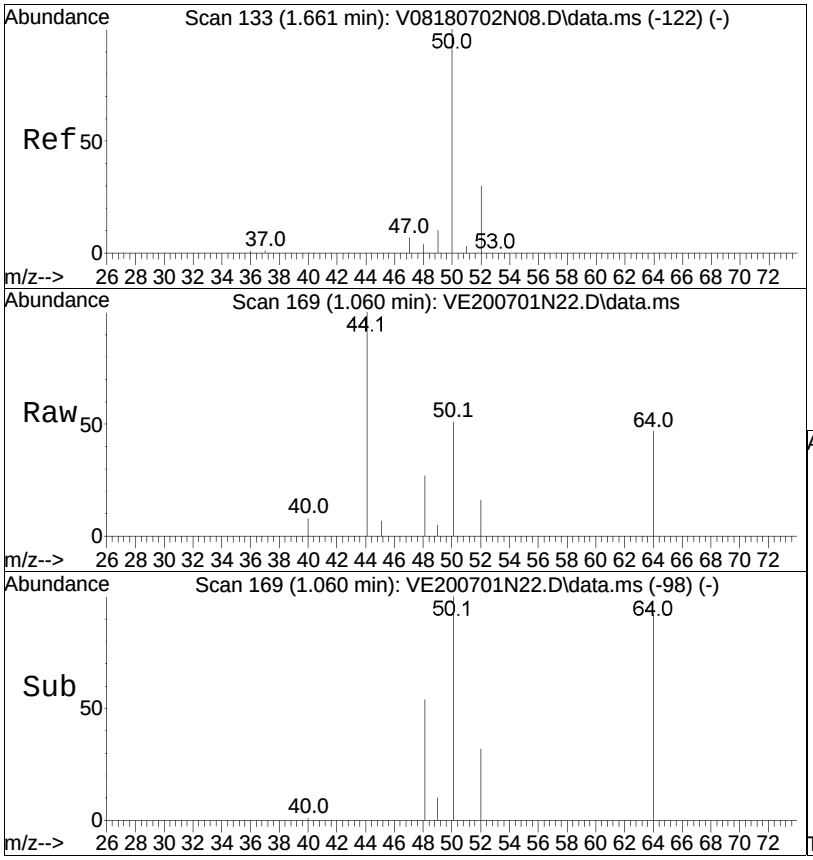
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2020\200701N\
Data File : VE200701N22.D
Acq On : 2 Jul 2020 12:43 am
Operator : ELAINE:NLK
Sample : l2027694-10,31,10,10,,a
Misc : WG1388497,ICAL16849
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 02 10:59:19 2020
Quant Method : I:\VOLATILES\Elaine\2020\200701N\Elaine_200602N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jun 03 14:54:28 2020
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox00701N\VE200701N01.D•

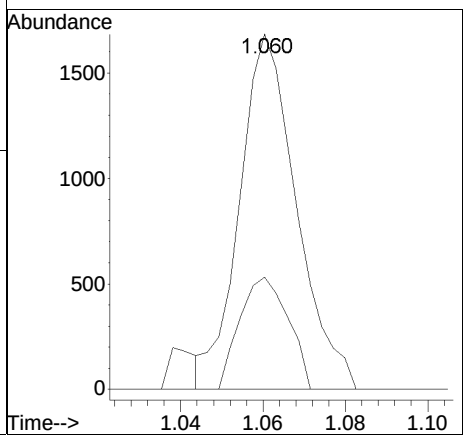


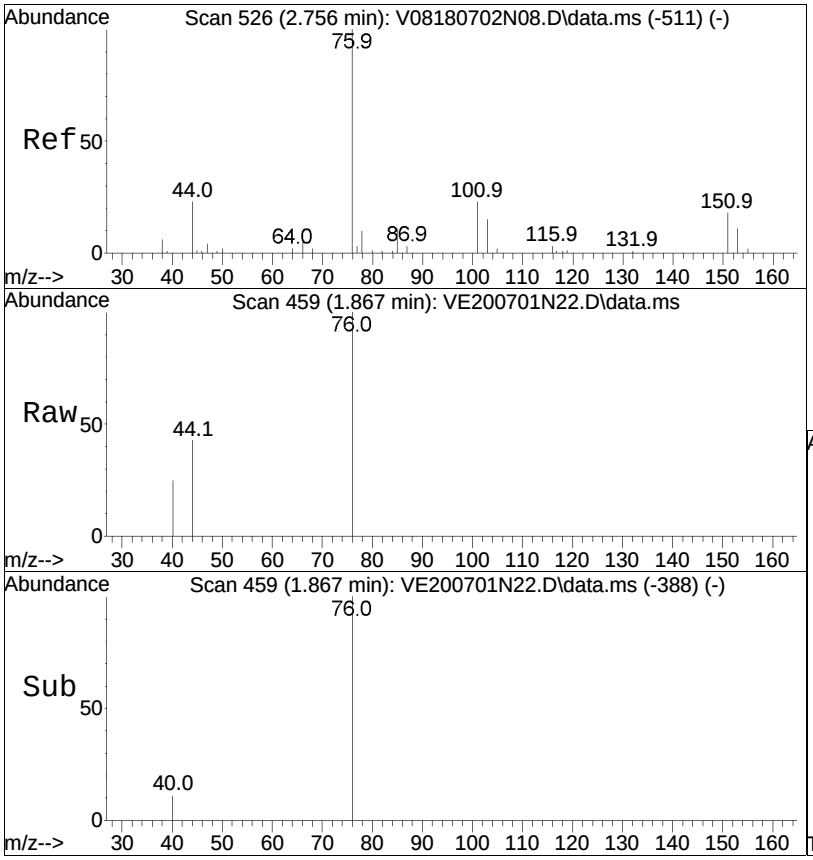


#3
Chloromethane
Concen: 0.57 ug/L
RT: 1.060 min Scan# 169
Delta R.T. -0.003 min
Lab File: VE200701N22.D
Acq: 2 Jul 2020 12:43 am

Tgt Ion: 50 Resp: 1615

Ion	Ratio	Lower	Upper
50	100		
52	0.0	12.9	52.9#
47	0.0	0.0	28.3

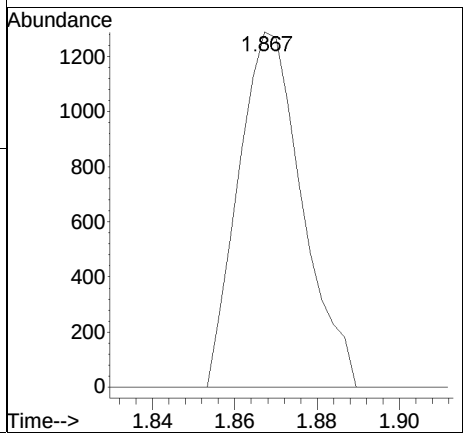


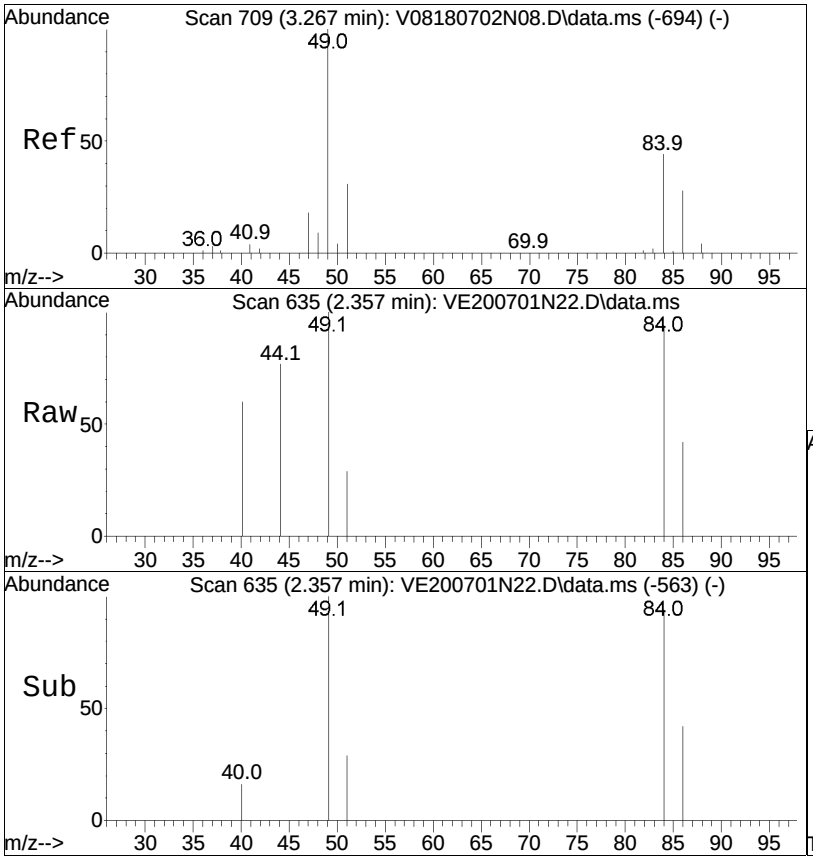


#11
Carbon disulfide
Concen: 0.27 ug/L
RT: 1.867 min Scan# 459
Delta R.T. -0.003 min
Lab File: VE200701N22.D
Acq: 2 Jul 2020 12:43 am

Tgt Ion: 76 Resp: 1389

Ion	Ratio	Lower	Upper
76	100		
78	0.0	5.7	11.7#

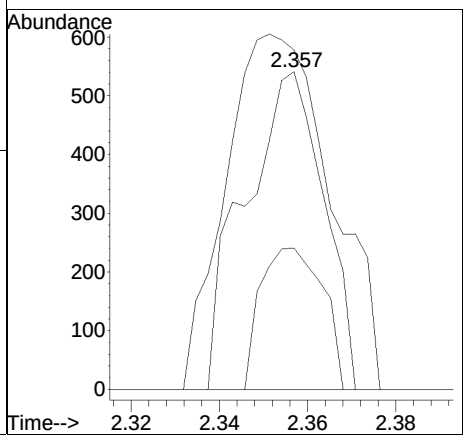


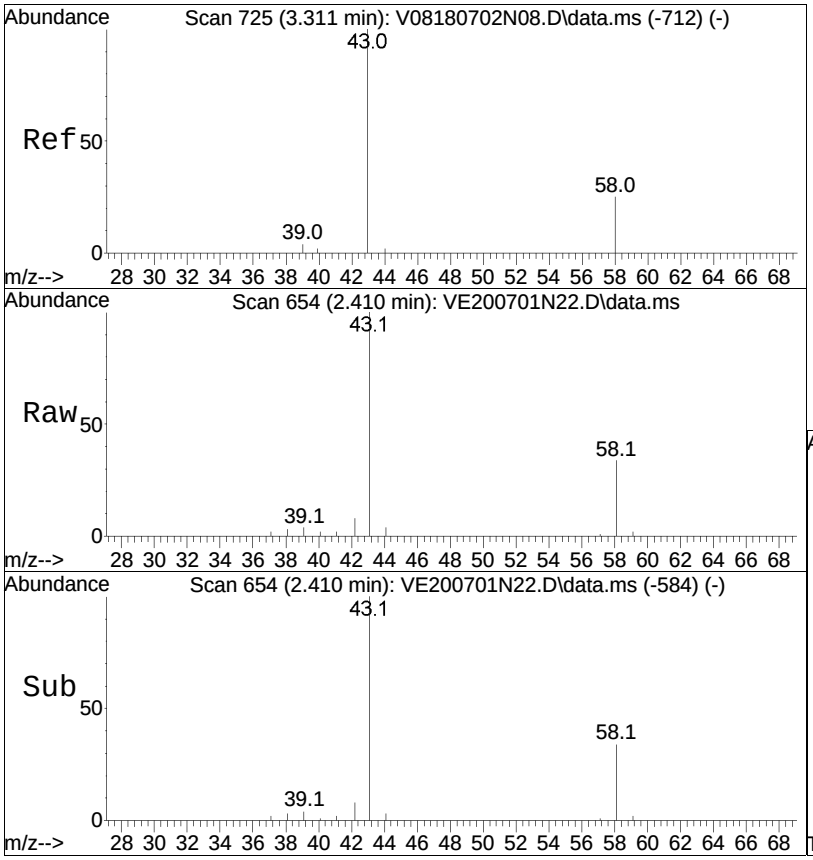


#15
Methylene chloride
Concen: 0.25 ug/L
RT: 2.357 min Scan# 635
Delta R.T. -0.000 min
Lab File: VE200701N22.D
Acq: 2 Jul 2020 12:43 am

Tgt Ion: 84 Resp: 672

Ion	Ratio	Lower	Upper
84	100		
86	0.0	40.4	83.8#
49	148.7	120.0	249.2

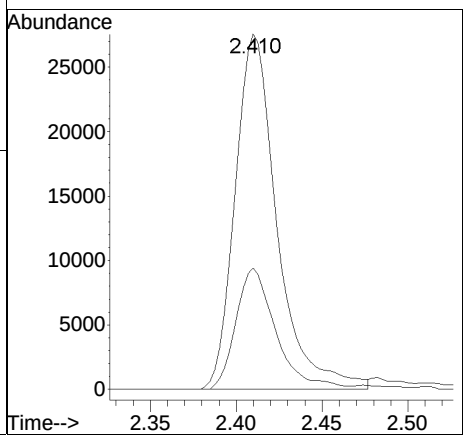


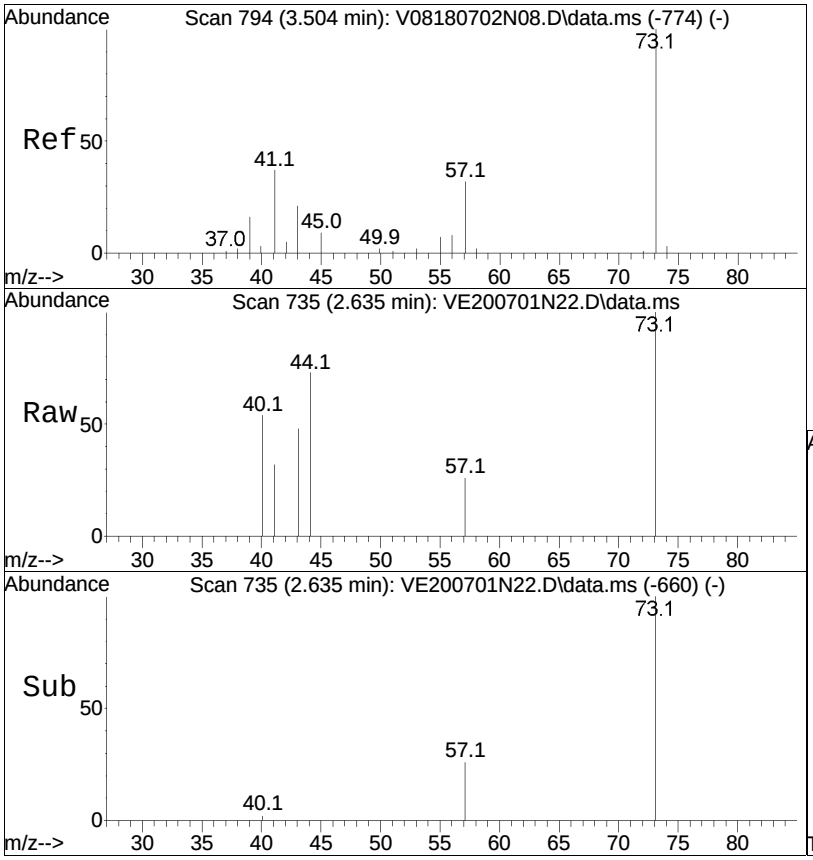


#17
Acetone
Concen: 78.07 ug/L
RT: 2.410 min Scan# 654
Delta R.T. -0.005 min
Lab File: VE200701N22.D
Acq: 2 Jul 2020 12:43 am

Tgt Ion: 43 Resp: 46857

Ion	Ratio	Lower	Upper
43	100		
58	32.6	24.2	36.4

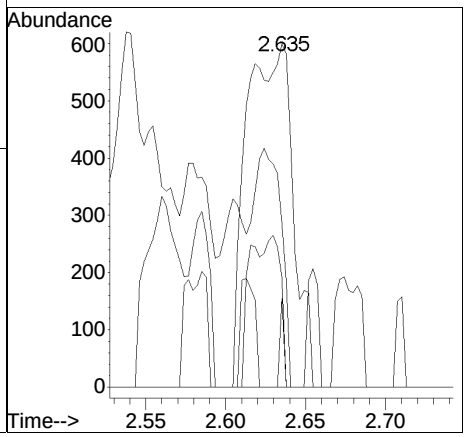


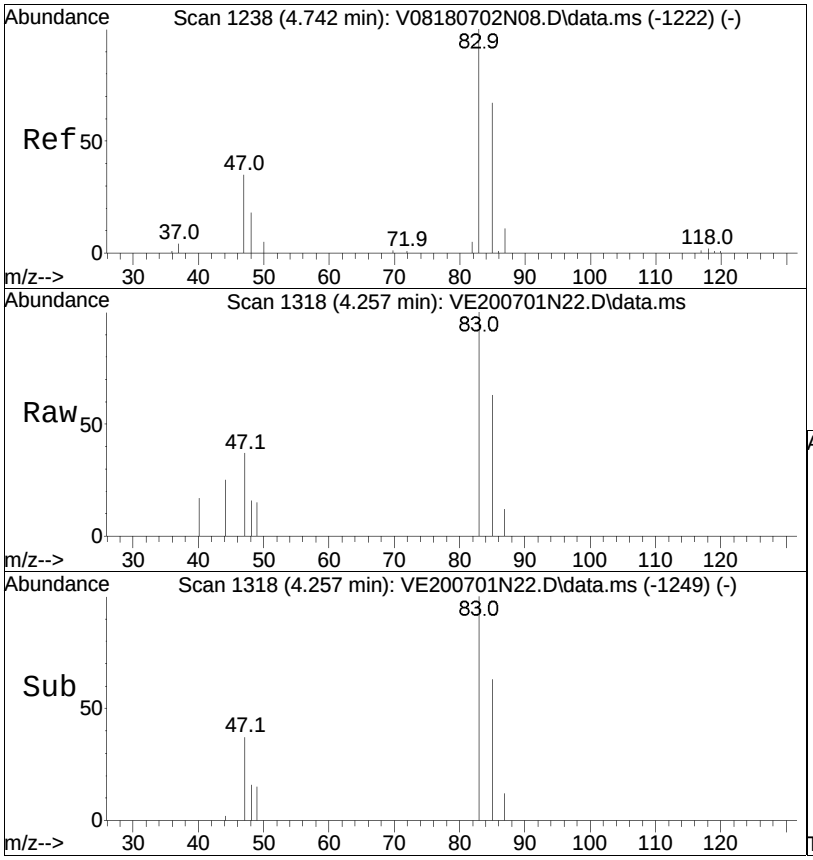


#20
Methyl tert-butyl ether
Concen: 0.18 ug/L M1
RT: 2.635 min Scan# 735
Delta R.T. 0.008 min
Lab File: VE200701N22.D
Acq: 2 Jul 2020 12:43 am

Tgt Ion: 73 Resp: 1215

Ion	Ratio	Lower	Upper
73	100		
57	0.0	17.5	36.3#
43	42.3	15.3	31.9#
41	0.0	15.3	31.7#

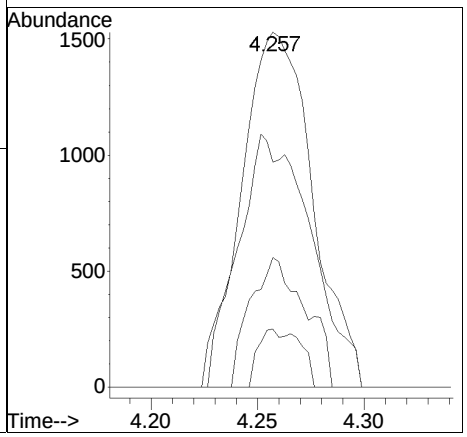


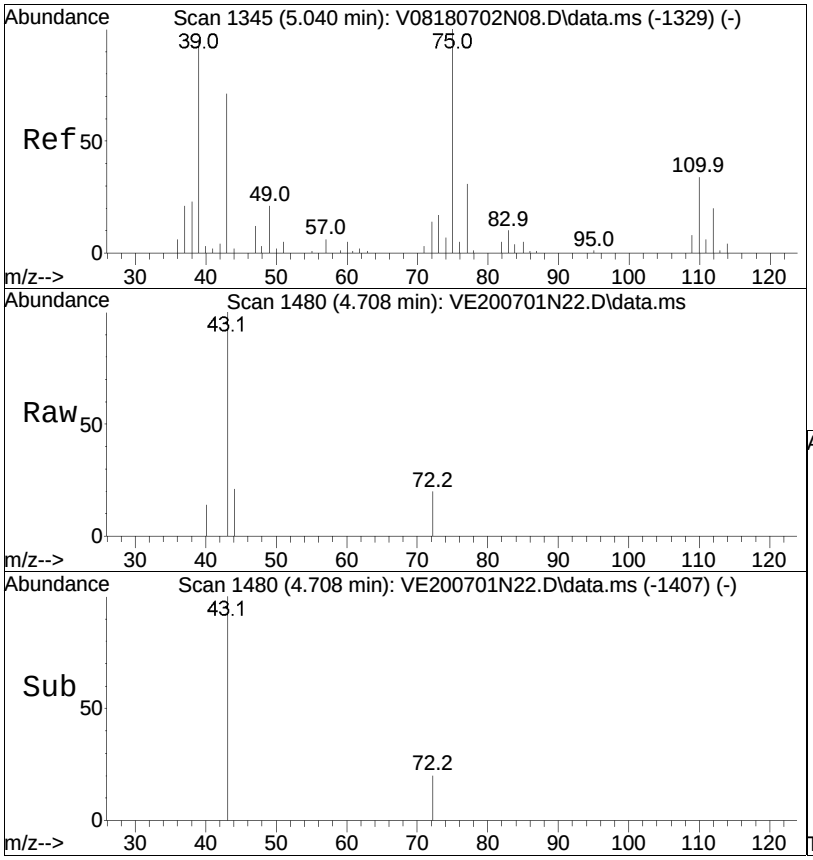


#32
Chloroform
Concen: 0.79 ug/L
RT: 4.257 min Scan# 1318
Delta R.T. -0.008 min
Lab File: VE200701N22.D
Acq: 2 Jul 2020 12:43 am

Tgt Ion: 83 Resp: 3563

Ion	Ratio	Lower	Upper
83	100		
85	73.0	41.5	86.1
47	28.3	19.0	39.4
48	0.0	9.9	20.5#

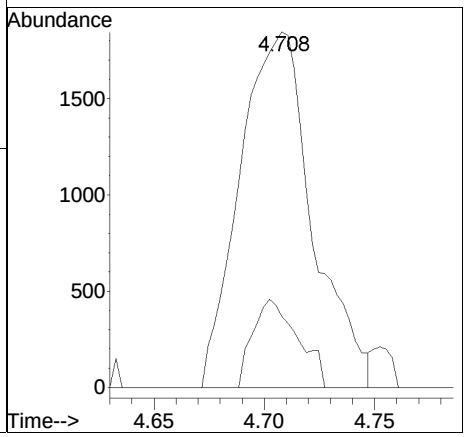


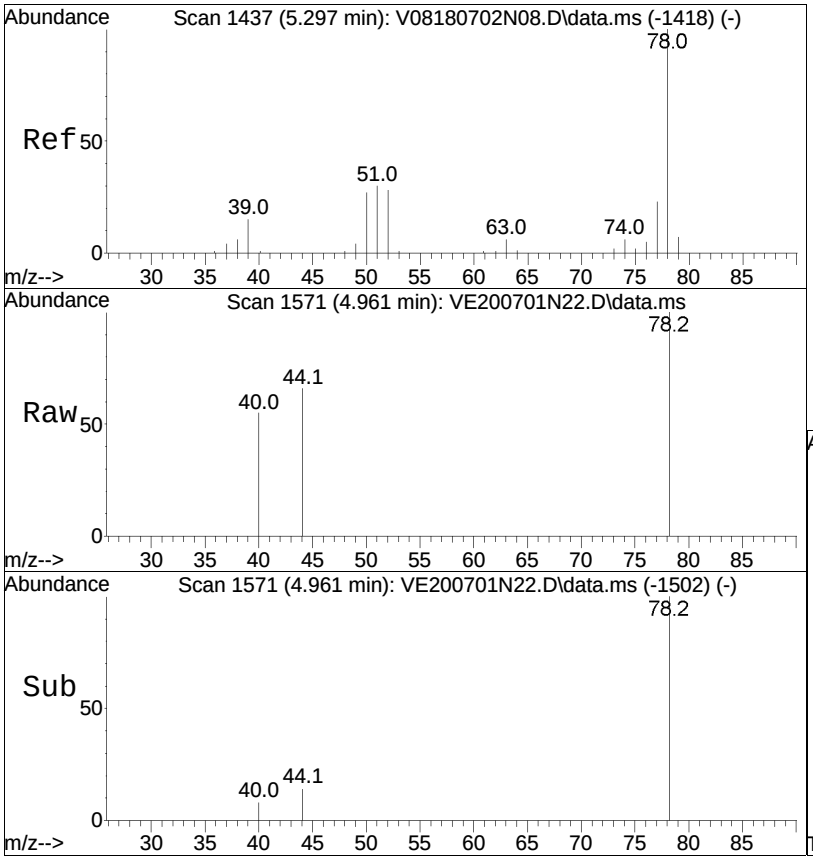


#39
2-Butanone
Concen: 4.48 ug/L
RT: 4.708 min Scan# 1480
Delta R.T. 0.003 min
Lab File: VE200701N22.D
Acq: 2 Jul 2020 12:43 am

Tgt Ion: 43 Resp: 4224

Ion	Ratio	Lower	Upper
43	100		
72	15.4	10.9	16.3

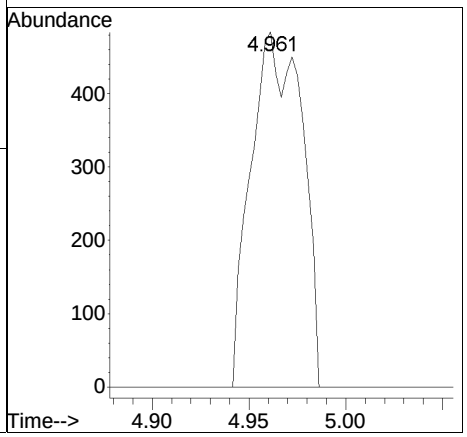


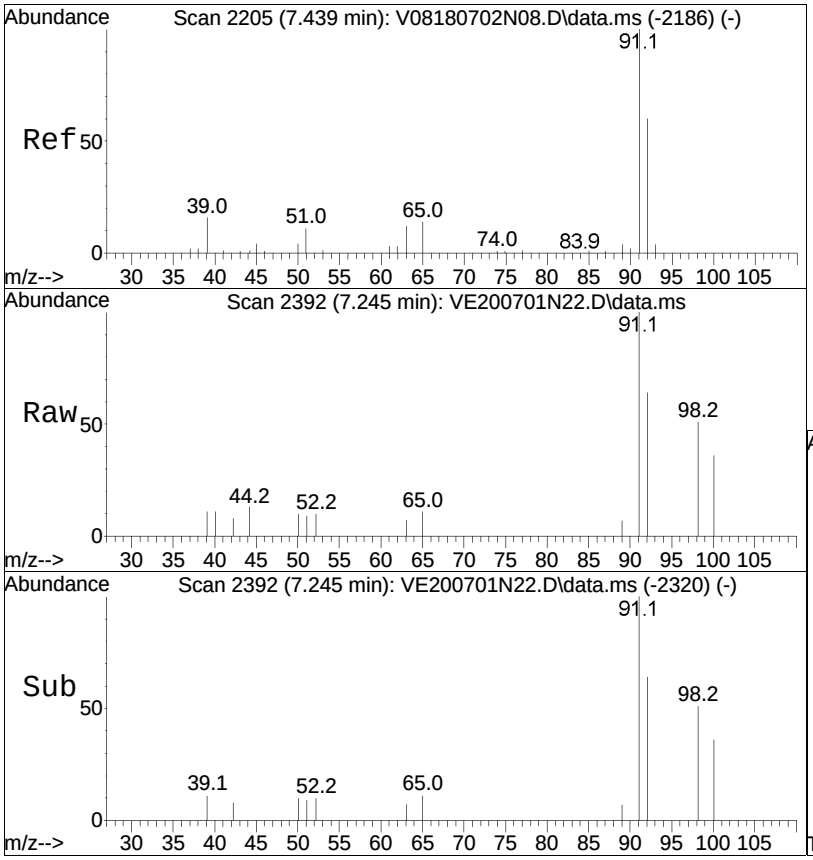


#41
Benzene
Concen: 0.08 ug/L M1
RT: 4.961 min Scan# 1571
Delta R.T. -0.008 min
Lab File: VE200701N22.D
Acq: 2 Jul 2020 12:43 am

Tgt Ion: 78 Resp: 887

Ion	Ratio	Lower	Upper
78	100		
77	0.0	15.7	32.7#
51	0.0	16.0	33.2#
52	0.0	15.3	31.9#

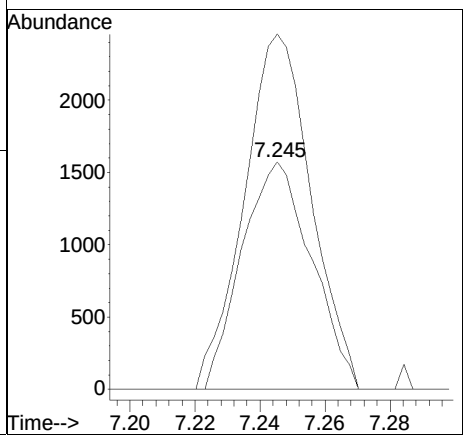




#61
Toluene
Concen: 0.34 ug/L
RT: 7.245 min Scan# 2392
Delta R.T. 0.000 min
Lab File: VE200701N22.D
Acq: 2 Jul 2020 12:43 am

Tgt Ion: 92 Resp: 2344

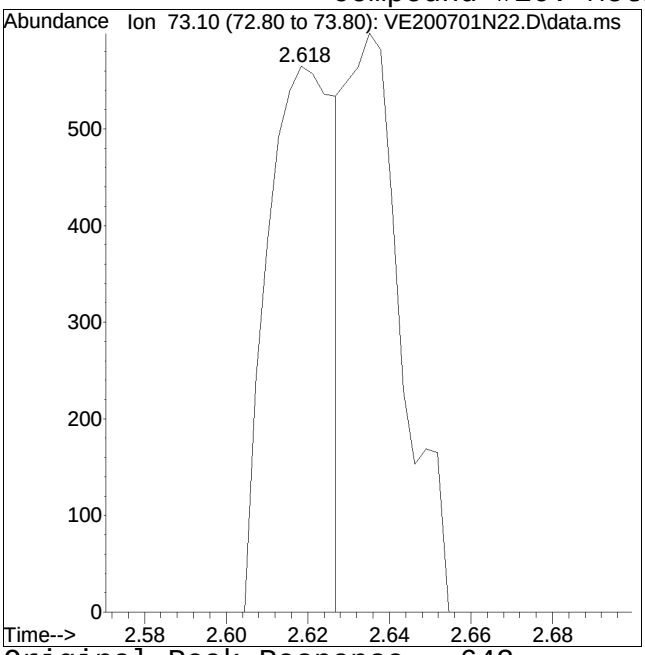
Ion	Ratio	Lower	Upper
92	100		
91	150.8	139.8	209.6



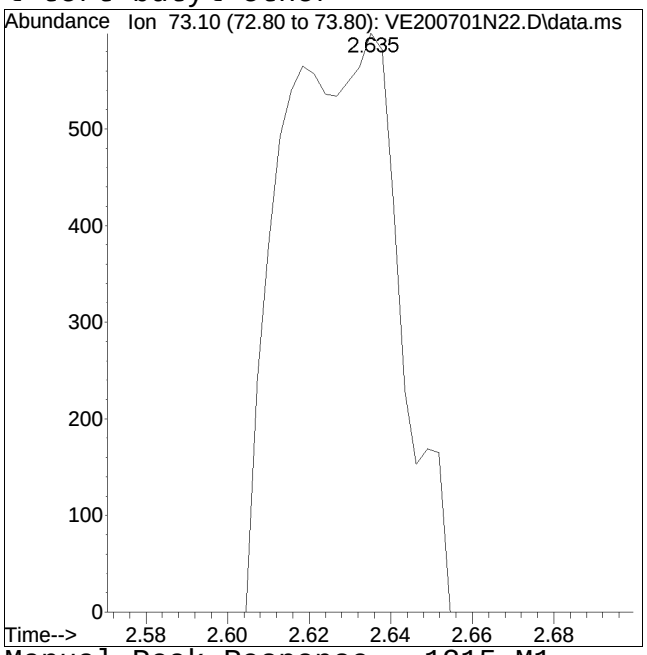
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200602N_8260.m
Data File : VE200701N22.D Operator : ELAINE:NLK
Date Inj'd : 7/2/2020 12:43 am Instrument : Elaine
Sample : l2027694-10,31,10,10,,a Quant Date : 7/2/2020 10:54 am

Compound #20: Methyl tert-butyl ether



Original Peak Response = 642



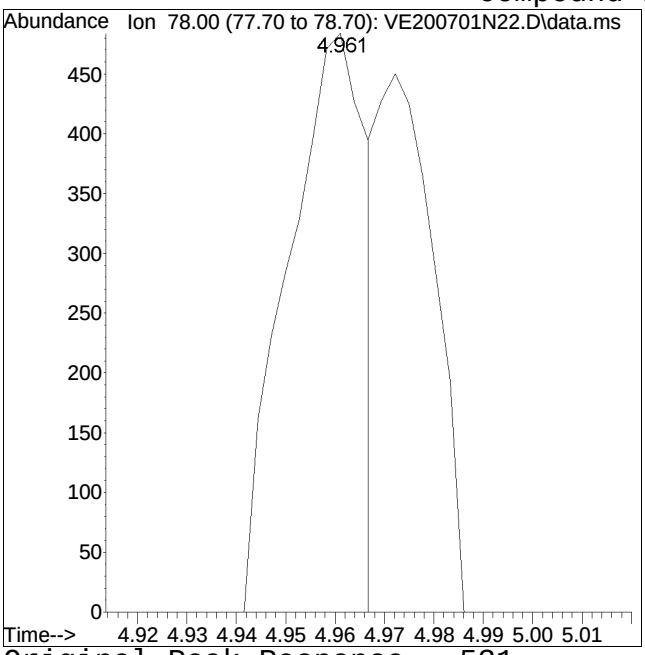
Manual Peak Response = 1215 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

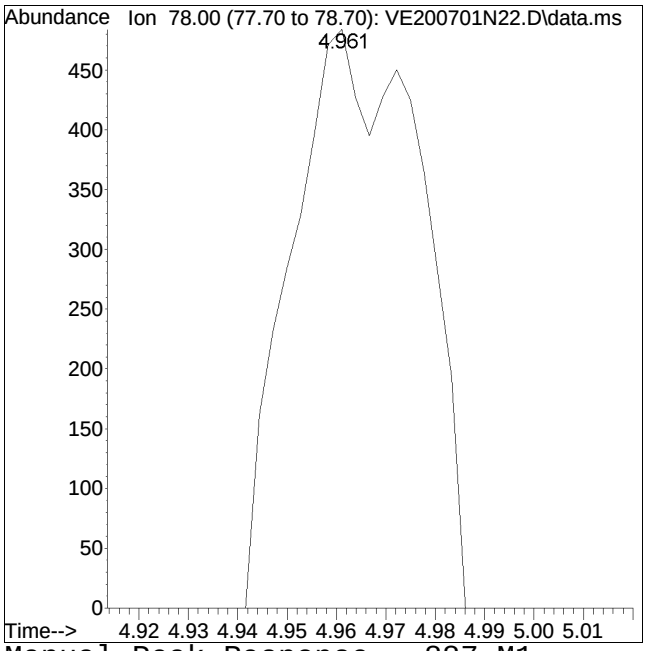
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200602N_8260.m
Data File : VE200701N22.D Operator : ELAINE:NLK
Date Inj'd : 7/2/2020 12:43 am Instrument : Elaine
Sample : l2027694-10,31,10,10,,a Quant Date : 7/2/2020 10:54 am

Compound #41: Benzene



Original Peak Response = 531



Manual Peak Response = 887 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

LSC Area Percent Report

Data Path : I:\VOLATILES\Elaine\2020\200701N\
Data File : VE200701N22.D
Acq On : 2 Jul 2020 12:43 am
Operator : ELAINE:NLK
Sample : l2027694-10,31,10,10,,a
Misc : WG1388497,ICAL16849
ALS Vial : 1 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : I:\VOLATILES\Elaine\2020\200701N\Elaine_200602N_8260.m
Title : VOLATILES BY GC/MS

Signal : TIC: VE200701N22.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.041	154	162	173	rBV3	12866	19934	5.08%	0.914%
2	1.261	237	241	247	rVB2	983	896	0.23%	0.041%
3	1.355	266	275	278	rBV4	2923	2925	0.75%	0.134%
4	1.492	318	324	331	rVB6	2197	3073	0.78%	0.141%
5	1.867	454	459	469	rBV2	1448	1650	0.42%	0.076%
6	1.940	478	485	493	rVB2	411	649	0.17%	0.030%
7	2.354	626	634	643	rVB4	1807	2394	0.61%	0.110%
8	2.410	643	654	674	rBV	43693	72314	18.44%	3.315%
9	2.618	722	729	732	rBV3	1096	1213	0.31%	0.056%
10	3.453	1020	1029	1040	rVB2	282	540	0.14%	0.025%
11	4.062	1238	1248	1253	rBV4	745	881	0.22%	0.040%
12	4.257	1298	1318	1334	rBV3	3771	8300	2.12%	0.381%
13	4.502	1389	1406	1449	rBV3	48976	115525	29.45%	5.296%
14	4.638	1450	1455	1463	rVB4	544	705	0.18%	0.032%
15	4.702	1464	1478	1493	rBV2	2647	5789	1.48%	0.265%
16	4.794	1501	1511	1516	rBV2	403	535	0.14%	0.025%
17	4.964	1561	1572	1575	rBV2	580	828	0.21%	0.038%
18	5.145	1621	1637	1668	rBV2	59931	122710	31.28%	5.626%
19	5.364	1708	1716	1722	rBV2	352	500	0.13%	0.023%
20	5.490	1745	1761	1797	rBV	171255	325590	83.01%	14.927%
21	5.620	1805	1808	1810	rBV	894	528	0.13%	0.024%
22	6.054	1951	1964	1970	rVB2	428	650	0.17%	0.030%
23	6.706	2192	2198	2202	rBV	859	993	0.25%	0.046%
24	6.728	2203	2206	2217	rVB	1048	959	0.24%	0.044%
25	6.987	2292	2299	2302	rBV2	419	541	0.14%	0.025%
26	7.195	2361	2374	2388	rBV	252279	392251	100.00%	17.983%
27	7.654	2532	2539	2542	rBV3	626	729	0.19%	0.033%
28	8.172	2713	2725	2737	rBV2	10329	14502	3.70%	0.665%

LSC Area Percent Report

Data Path : I:\VOLATILES\Elaine\2020\200701N\
Data File : VE200701N22.D
Acq On : 2 Jul 2020 12:43 am
Operator : ELAINE:NLK
Sample : l2027694-10,31,10,10,,a
Misc : WG1388497,ICAL16849
ALS Vial : 1 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : I:\VOLATILES\Elaine\2020\200701N\Elaine_200602N_8260.m
Title : VOLATILES BY GC/MS

29	8.339	2777	2785	2793	rBV2	6190	6748	1.72%	0.309%
30	8.497	2832	2842	2859	rVB	294811	332433	84.75%	15.241%
31	8.712	2913	2919	2930	rVB3	1388	1169	0.30%	0.054%
32	9.321	3129	3138	3155	rVB	254357	272207	69.40%	12.480%
33	9.833	3314	3322	3328	rBV3	1007	933	0.24%	0.043%
34	9.989	3369	3378	3391	rVB	345886	322541	82.23%	14.787%
35	10.097	3399	3417	3427	rVB7	7422	7984	2.04%	0.366%
36	10.353	3501	3509	3515	rBV3	624	554	0.14%	0.025%
37	10.578	3586	3590	3597	rBV3	762	683	0.17%	0.031%
38	10.723	3624	3642	3654	rBV	25211	24118	6.15%	1.106%
39	10.873	3689	3696	3700	rBV3	1104	1130	0.29%	0.052%
40	11.032	3749	3753	3759	rVB2	655	647	0.16%	0.030%
41	11.071	3759	3767	3770	rBV	688	662	0.17%	0.030%
42	11.277	3833	3841	3846	rBV3	1894	1378	0.35%	0.063%
43	11.830	4031	4040	4049	rBV4	1300	1408	0.36%	0.065%
44	11.917	4062	4071	4078	rBV	10402	9332	2.38%	0.428%
45	12.167	4153	4161	4167	rBV2	462	532	0.14%	0.024%
46	12.220	4174	4180	4185	rVB2	460	547	0.14%	0.025%
47	12.295	4198	4207	4218	rVB2	3354	3349	0.85%	0.154%
48	12.376	4227	4236	4245	rVB	13773	13815	3.52%	0.633%
49	12.448	4255	4262	4267	rBV	20680	20940	5.34%	0.960%
50	12.473	4268	4271	4278	rVB5	8252	6875	1.75%	0.315%
51	12.529	4285	4291	4294	rBV3	1196	1040	0.27%	0.048%
52	12.554	4295	4300	4304	rVV4	2174	2033	0.52%	0.093%
53	12.579	4304	4309	4313	rVV3	2977	2872	0.73%	0.132%
54	12.609	4313	4320	4330	rVB4	4895	5518	1.41%	0.253%
55	12.685	4340	4347	4355	rBV2	4826	4495	1.15%	0.206%
56	12.762	4368	4375	4387	rVB6	1009	1688	0.43%	0.077%
57	12.865	4409	4412	4416	rBV4	1354	1151	0.29%	0.053%
58	12.896	4418	4423	4431	rVV4	2857	2768	0.71%	0.127%
59	12.946	4431	4441	4449	rVV5	1246	2216	0.56%	0.102%
60	13.010	4459	4464	4469	rBV5	679	740	0.19%	0.034%

LSC Area Percent Report

Data Path : I:\VOLATILES\Elaine\2020\200701N\
Data File : VE200701N22.D
Acq On : 2 Jul 2020 12:43 am
Operator : ELAINE:NLK
Sample : l2027694-10,31,10,10,,a
Misc : WG1388497,ICAL16849
ALS Vial : 1 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : I:\VOLATILES\Elaine\2020\200701N\Elaine_200602N_8260.m
Title : VOLATILES BY GC/MS

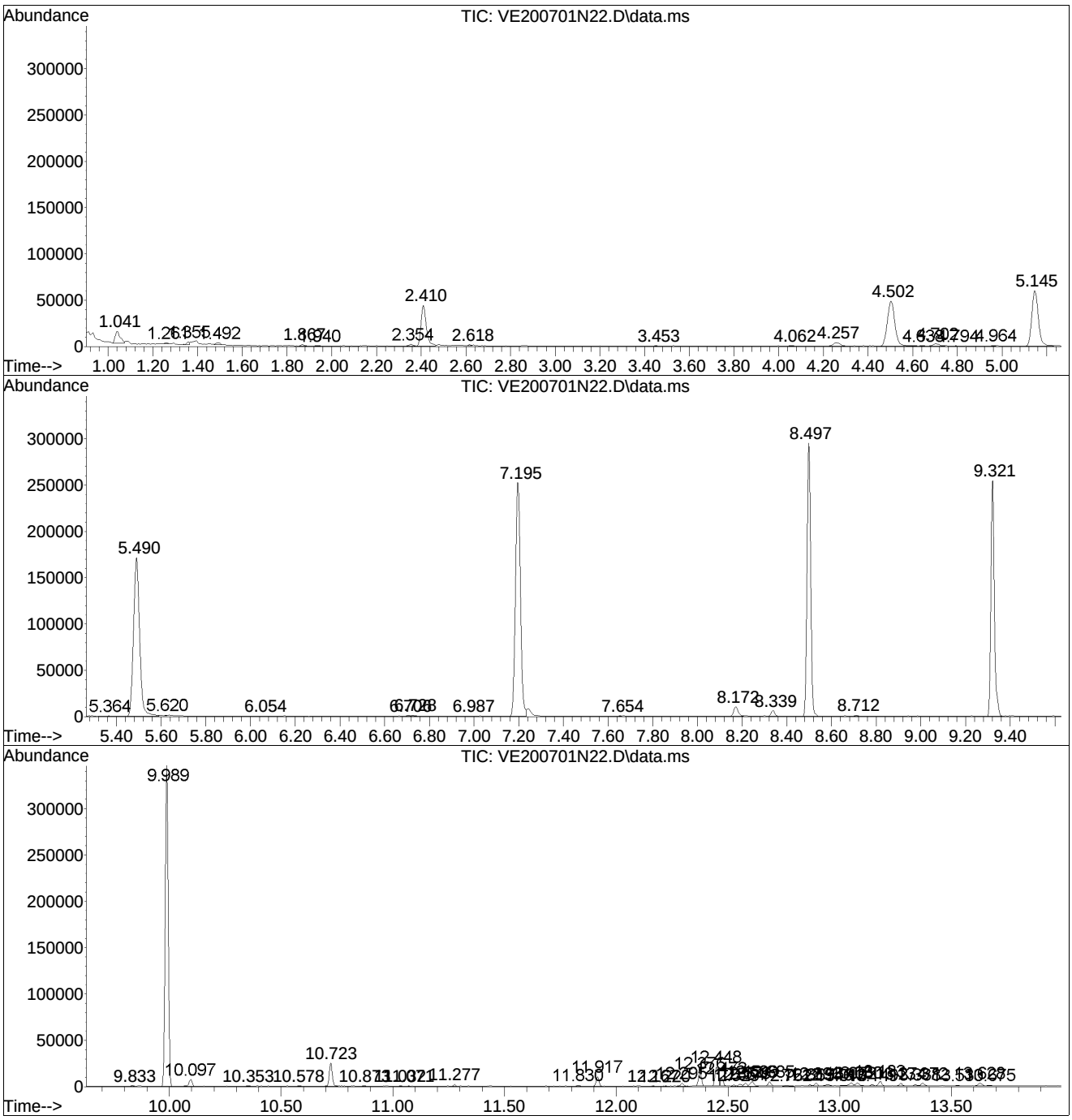
61	13.052	4470	4479	4483	rVV4	3132	3621	0.92%	0.166%
62	13.080	4484	4489	4503	rVV3	3389	3966	1.01%	0.182%
63	13.149	4507	4514	4517	rVV4	1140	1290	0.33%	0.059%
64	13.183	4518	4526	4538	rVB6	5041	5351	1.36%	0.245%
65	13.274	4549	4559	4566	rBV2	2790	2994	0.76%	0.137%
66	13.338	4576	4582	4589	rBV3	1534	2030	0.52%	0.093%
67	13.372	4589	4594	4603	rVB6	2656	3278	0.84%	0.150%
68	13.530	4645	4651	4658	rBV5	871	984	0.25%	0.045%
69	13.628	4677	4686	4694	rBV7	3047	3958	1.01%	0.181%
70	13.675	4695	4703	4709	rVB4	885	1112	0.28%	0.051%

Sum of corrected areas: 2181194

Data Path : I:\VOLATILES\Elaine\2020\200701N\
Data File : VE200701N22.D
Acq On : 2 Jul 2020 12:43 am
Operator : ELAINE:NLK
Sample : l2027694-10,31,10,10,,a
Misc : WG1388497,ICAL16849
ALS Vial : 1 Sample Multiplier: 1

Quant Method : I:\VOLATILES\Elaine\2020\200701N\Elaine_200602N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p



Library Search Compound Report

Data Path : I:\VOLATILES\Elaine\2020\200701N\
Data File : VE200701N22.D
Acq On : 2 Jul 2020 12:43 am
Operator : ELAINE:NLK
Sample : l2027694-10,31,10,10,,a
Misc : WG1388497,ICAL16849
ALS Vial : 1 Sample Multiplier: 1

Quant Method : I:\VOLATILES\Elaine\2020\200701N\Elaine_200602N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : I:\VOLATILES\Elaine\2020\200701N\
Data File : VE200701N22.D
Acq On : 2 Jul 2020 12:43 am
Operator : ELAINE:NLK
Sample : l2027694-10,31,10,10,,a
Misc : WG1388497,ICAL16849
ALS Vial : 1 Sample Multiplier: 1

Quant Method : I:\VOLATILES\Elaine\2020\200701N\Elaine_200602N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2020\200701N\
Data File : VE200701N23.D
Acq On : 2 Jul 2020 1:05 am
Operator : ELAINE:NLK
Sample : l2027694-08D,31,4,10,,a
Misc : WG1388497,ICAL16849
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 02 10:59:53 2020
Quant Method : I:\VOLATILES\Elaine\2020\200701N\Elaine_200602N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jun 03 14:54:28 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2020\200701N\VE200701N01.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.490	96	153696	10.000 ug/L	0.00
Standard Area 1 = 144276			Recovery = 106.53%		
59) Chlorobenzene-d5	8.497	117	113153	10.000 ug/L	0.00
Standard Area 1 = 121890			Recovery = 92.83%		
79) 1,4-Dichlorobenzene-d4	9.989	152	53438	10.000 ug/L	0.00
Standard Area 1 = 61045			Recovery = 87.54%		
System Monitoring Compounds					
36) Dibromofluoromethane	4.502	113	32397	8.893 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 88.93%		
43) 1,2-Dichloroethane-d4	5.145	65	44931	10.064 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.64%		
60) Toluene-d8	7.195	98	145760	9.745 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.45%		
83) 4-Bromofluorobenzene	9.321	95	52113	9.457 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.57%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.	
3) Chloromethane	0.000		0	N.D.	
4) Vinyl chloride	0.000		0	N.D.	
5) Bromomethane	0.000		0	N.D.	
6) Chloroethane	0.000		0	N.D. d	
7) Trichlorofluoromethane	0.000		0	N.D.	
10) 1,1-Dichloroethene	1.864	96	533	0.240 ug/L #	49
11) Carbon disulfide	1.870	76	1188	0.228 ug/L #	76
12) Freon-113	0.000		0	N.D.	
15) Methylene chloride	0.000		0	N.D.	
17) Acetone	2.415	43	848	1.401 ug/L #	44
18) trans-1,2-Dichloroethene	2.496	96	1078	0.450 ug/L #	76
19) Methyl acetate	0.000		0	N.D. d	
20) Methyl tert-butyl ether	0.000		0	N.D.	
23) 1,1-Dichloroethane	0.000		0	N.D.	
28) cis-1,2-Dichloroethene	3.823	96	18217	6.664 ug/L #	77
30) Bromochloromethane	0.000		0	N.D.	
31) Cyclohexane	0.000		0	N.D.	
32) Chloroform	0.000		0	N.D.	
34) Carbon tetrachloride	0.000		0	N.D.	

Data Path : I:\VOLATILES\Elaine\2020\200701N\
Data File : VE200701N23.D
Acq On : 2 Jul 2020 1:05 am
Operator : ELAINE:NLK
Sample : l2027694-08D,31,4,10,,a
Misc : WG1388497,ICAL16849
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 02 10:59:53 2020
Quant Method : I:\VOLATILES\Elaine\2020\200701N\Elaine_200602N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jun 03 14:54:28 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2020\200701N\VE200701N01.D
Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37)	1,1,1-Trichloroethane	0.000		0	N.D.			
39)	2-Butanone	0.000		0	N.D.			
41)	Benzene	0.000		0	N.D.			
44)	1,2-Dichloroethane	5.220	62	691	0.190	ug/L	#	50
47)	Methyl cyclohexane	0.000		0	N.D.	d		
48)	Trichloroethene	5.682	95	391202	140.782	ug/L		91
51)	1,2-Dichloropropane	0.000		0	N.D.			
54)	Bromodichloromethane	0.000		0	N.D.			
57)	1,4-Dioxane	0.000		0	N.D.			
58)	cis-1,3-Dichloropropene	0.000		0	N.D.			
61)	Toluene	7.243	92	883	0.127	ug/L		95
62)	4-Methyl-2-pentanone	0.000		0	N.D.			
63)	Tetrachloroethene	7.599	166	28893	9.781	ug/L		85
65)	trans-1,3-Dichloropropene	0.000		0	N.D.			
68)	1,1,2-Trichloroethane	0.000		0	N.D.			
69)	Chlorodibromomethane	0.000		0	N.D.			
71)	1,2-Dibromoethane	0.000		0	N.D.			
72)	2-Hexanone	0.000		0	N.D.			
73)	Chlorobenzene	0.000		0	N.D.			
74)	Ethylbenzene	0.000		0	N.D.	d		
76)	p/m Xylene	8.656	106	574	0.115	ug/L		78
77)	o Xylene	0.000		0	N.D.			
78)	Styrene	0.000		0	N.D.			
80)	Bromoform	0.000		0	N.D.			
82)	Isopropylbenzene	0.000		0	N.D.			
87)	1,1,2,2-Tetrachloroethane	0.000		0	N.D.			
100)	1,3-Dichlorobenzene	0.000		0	N.D.			
101)	1,4-Dichlorobenzene	0.000		0	N.D.			
104)	1,2-Dichlorobenzene	0.000		0	N.D.			
106)	1,2-Dibromo-3-chloropr...	0.000		0	N.D.			
109)	1,2,4-Trichlorobenzene	0.000		0	N.D.			
111)	1,2,3-Trichlorobenzene	0.000		0	N.D.			

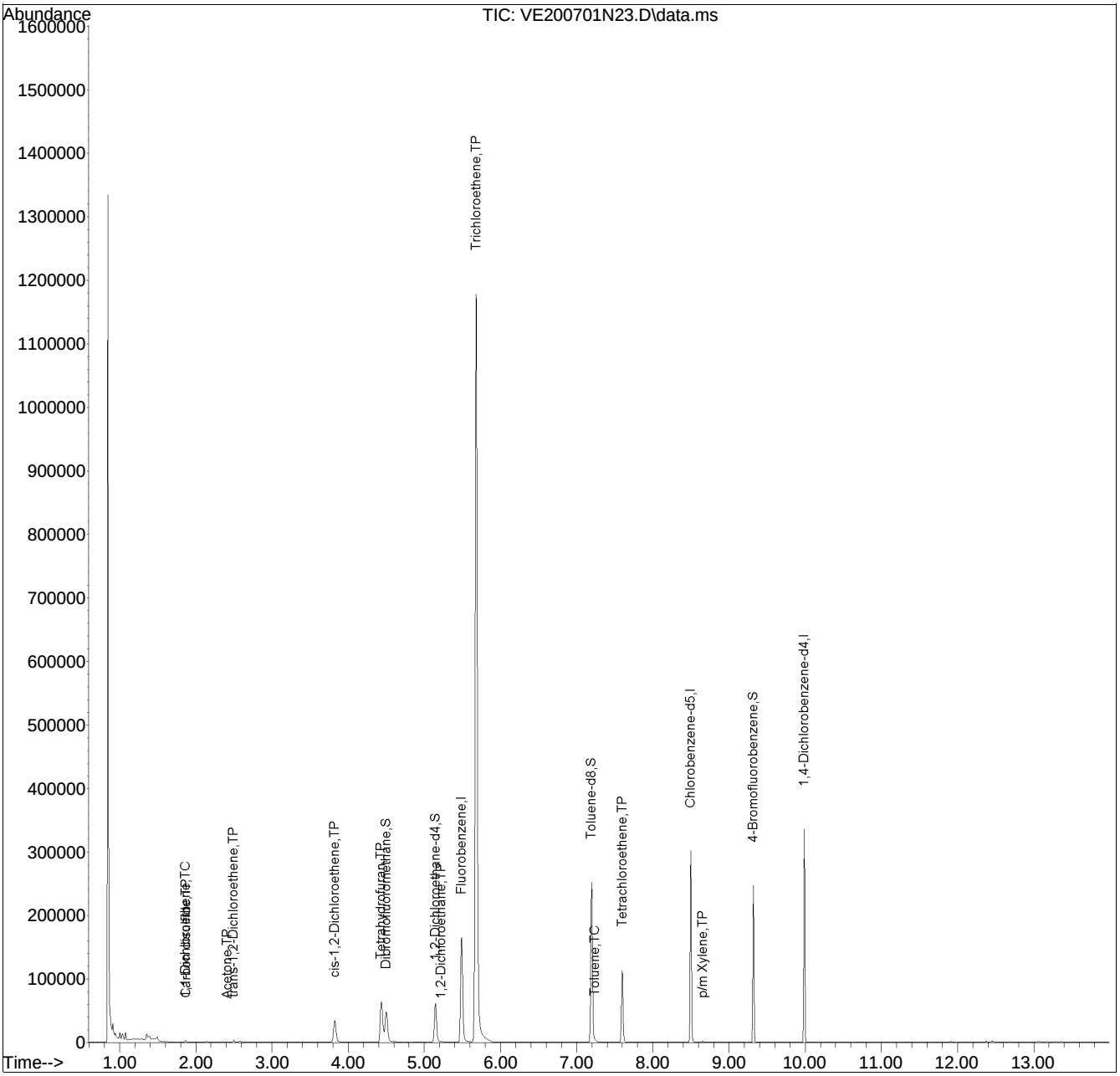
(#) = qualifier out of range (m) = manual integration (+) = signals summed

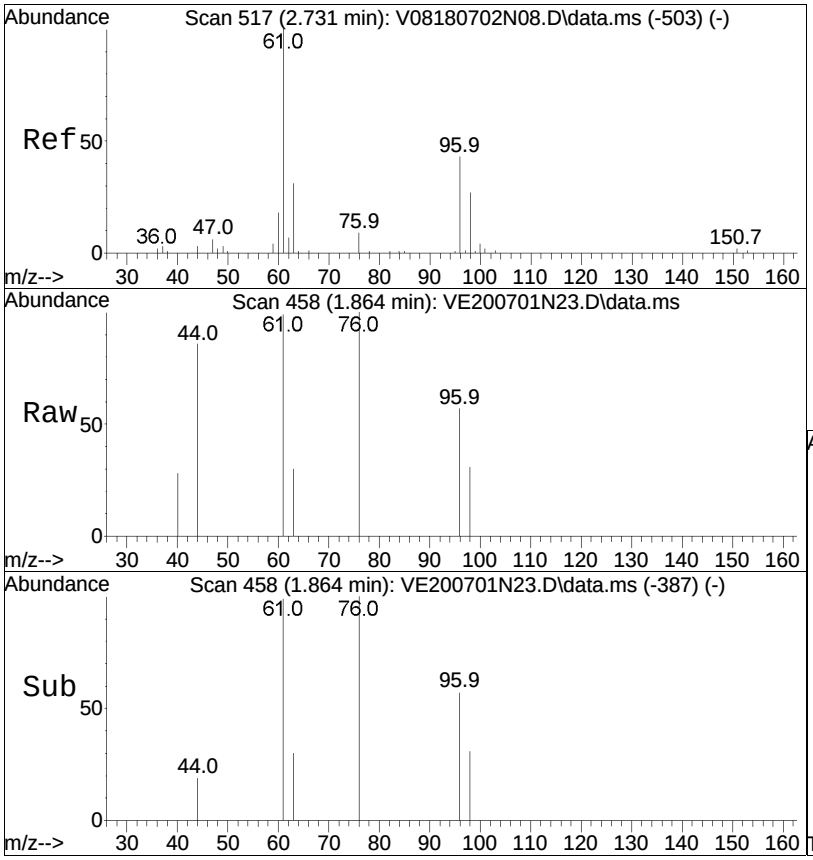
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2020\200701N\
Data File : VE200701N23.D
Acq On : 2 Jul 2020 1:05 am
Operator : ELAINE:NLK
Sample : l2027694-08D,31,4,10,,a
Misc : WG1388497,ICAL16849
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 02 10:59:53 2020
Quant Method : I:\VOLATILES\Elaine\2020\200701N\Elaine_200602N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jun 03 14:54:28 2020
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox00701N\VE200701N01.D•

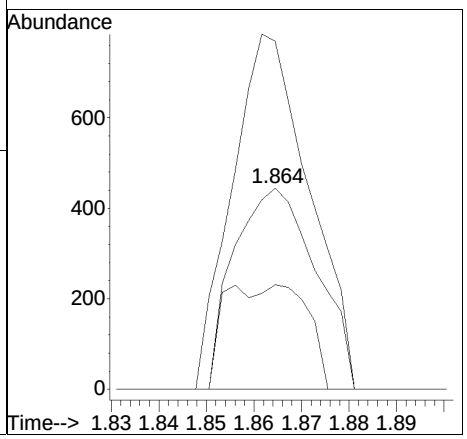


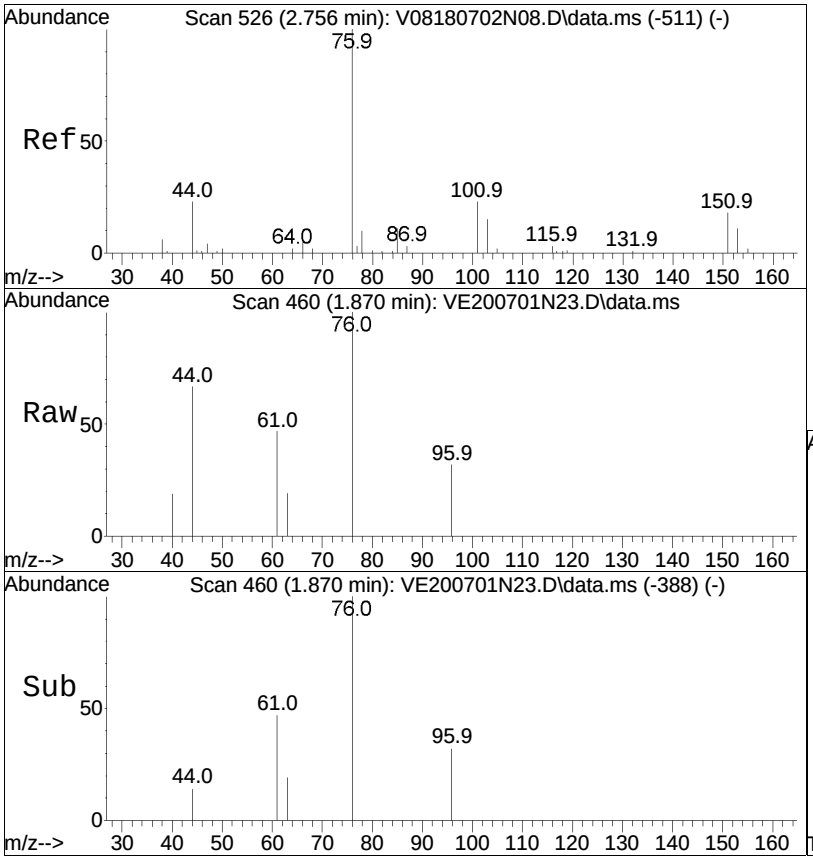


#10
1,1-Dichloroethene
Concen: 0.24 ug/L
RT: 1.864 min Scan# 458
Delta R.T. -0.003 min
Lab File: VE200701N23.D
Acq: 2 Jul 2020 1:05 am

Tgt Ion: 96 Resp: 533

Ion	Ratio	Lower	Upper
96	100		
61	166.0	186.1	279.1#
63	0.0	57.6	86.4#

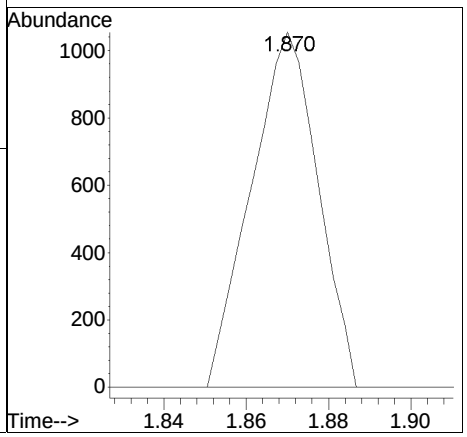


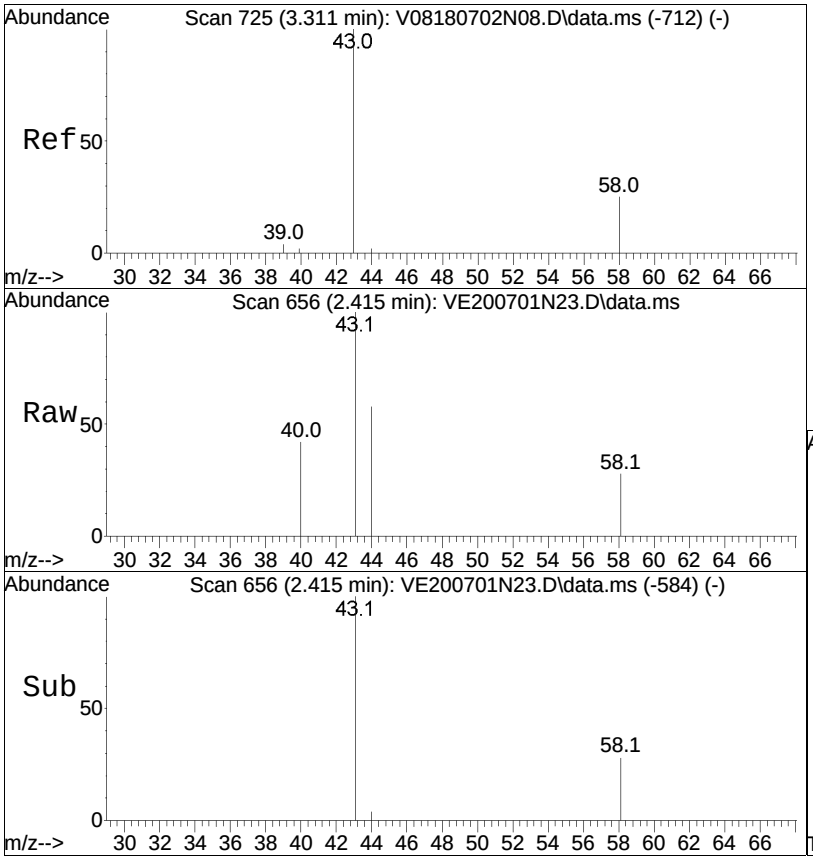


#11
Carbon disulfide
Concen: 0.23 ug/L
RT: 1.870 min Scan# 460
Delta R.T. 0.000 min
Lab File: VE200701N23.D
Acq: 2 Jul 2020 1:05 am

Tgt Ion: 76 Resp: 1188

Ion	Ratio	Lower	Upper
76	100		
78	0.0	5.7	11.7#

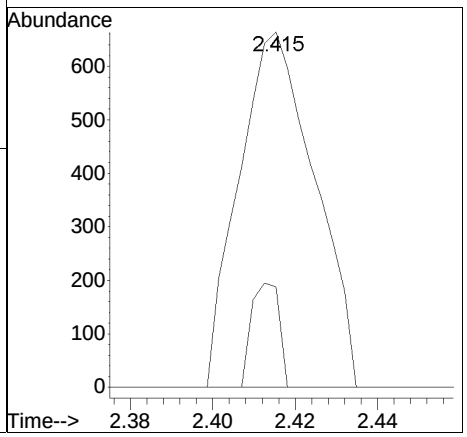


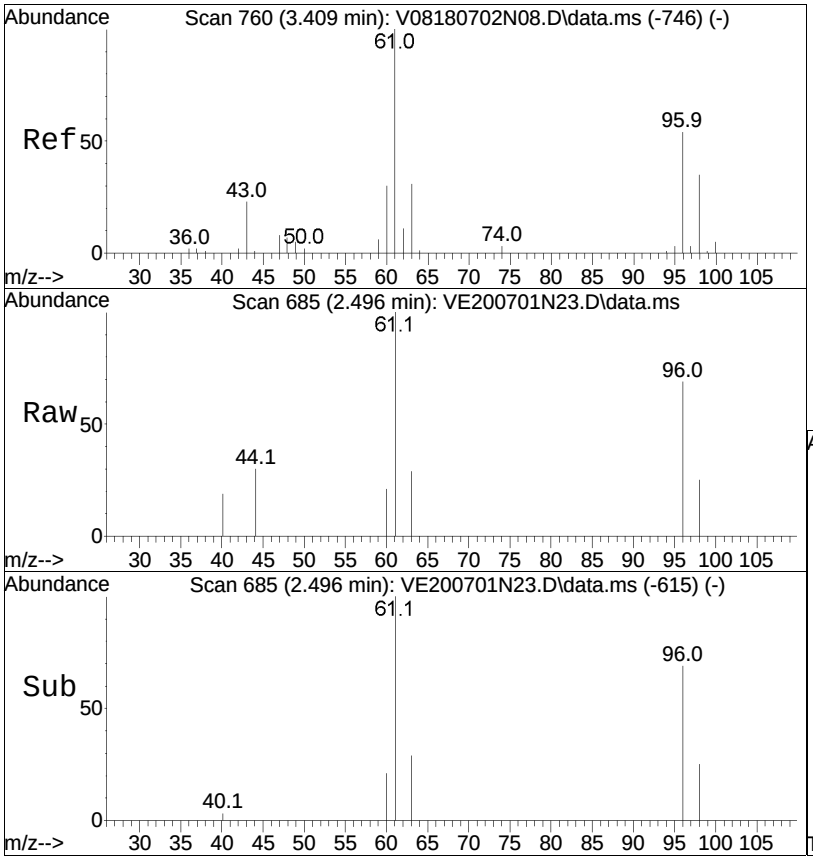


#17
Acetone
Concen: 1.40 ug/L
RT: 2.415 min Scan# 656
Delta R.T. 0.000 min
Lab File: VE200701N23.D
Acq: 2 Jul 2020 1:05 am

Tgt Ion: 43 Resp: 848

Ion	Ratio	Lower	Upper
43	100		
58	0.0	24.2	36.4#

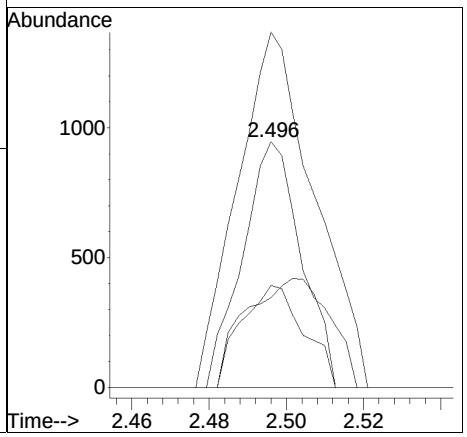


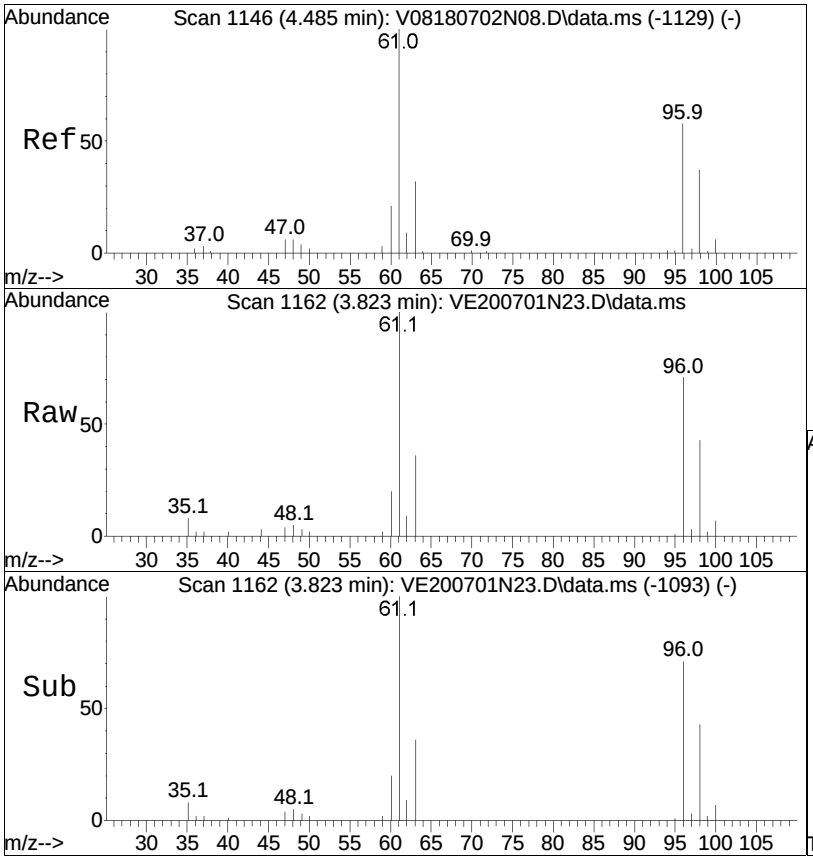


#18
trans-1,2-Dichloroethene
Concen: 0.45 ug/L
RT: 2.496 min Scan# 685
Delta R.T. -0.005 min
Lab File: VE200701N23.D
Acq: 2 Jul 2020 1:05 am

Tgt Ion: 96 Resp: 1078

Ion	Ratio	Lower	Upper
96	100		
61	175.5	124.0	257.6
98	51.2	41.2	85.6
63	0.0	38.4	79.7#

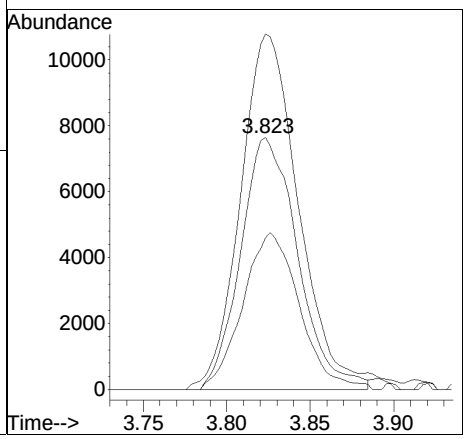


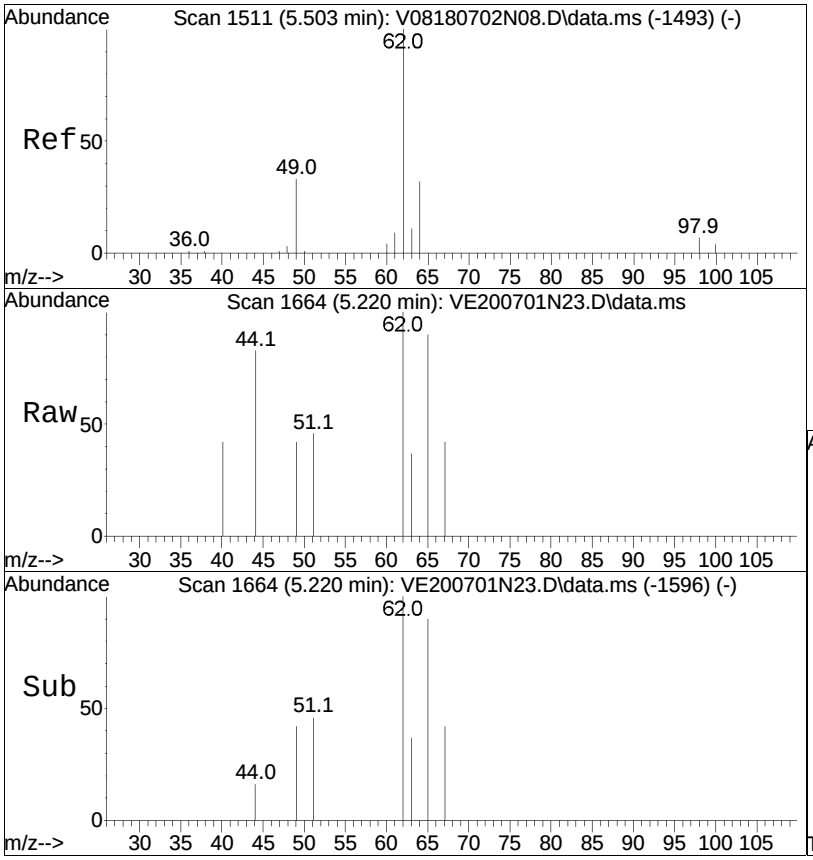


#28
cis-1,2-Dichloroethene
Concen: 6.66 ug/L
RT: 3.823 min Scan# 1162
Delta R.T. -0.008 min
Lab File: VE200701N23.D
Acq: 2 Jul 2020 1:05 am

Tgt Ion: 96 Resp: 18217

Ion	Ratio	Lower	Upper
96	100		
61	144.9	149.4	224.2#
98	61.6	53.4	80.2

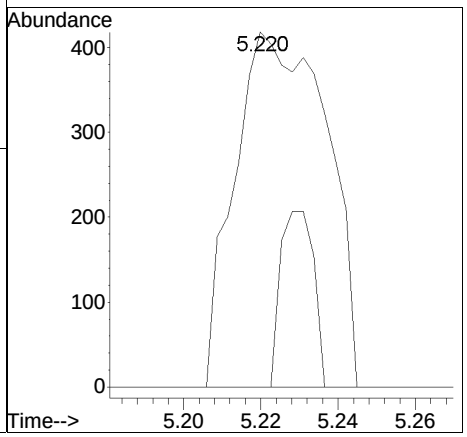


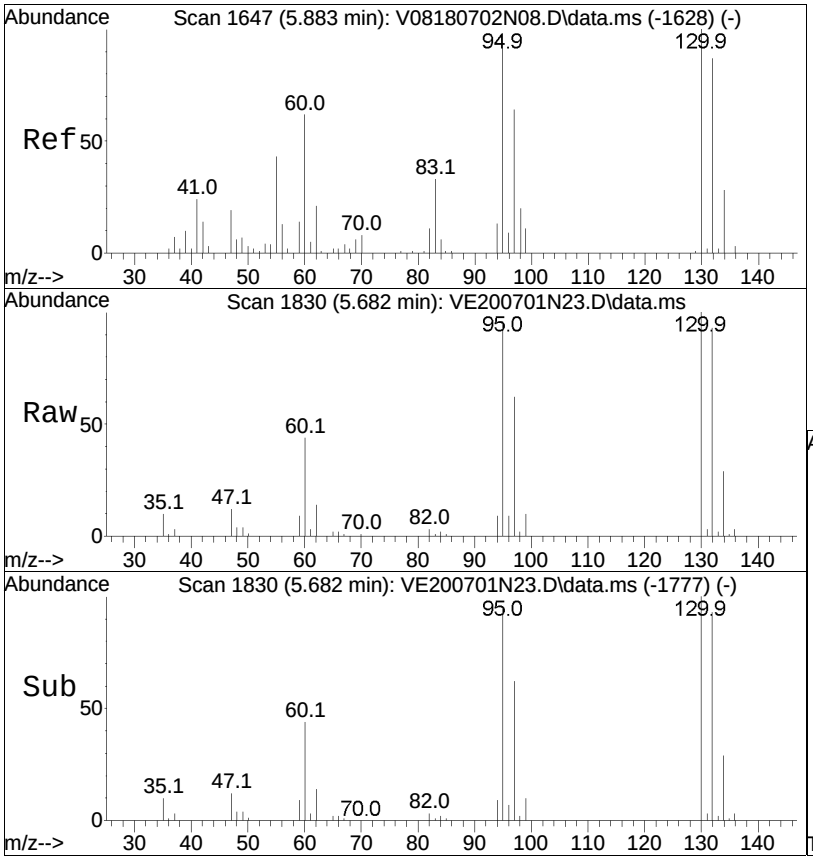


#44
1,2-Dichloroethane
Concen: 0.19 ug/L
RT: 5.220 min Scan# 1664
Delta R.T. -0.011 min
Lab File: VE200701N23.D
Acq: 2 Jul 2020 1:05 am

Tgt Ion: 62 Resp: 691

Ion	Ratio	Lower	Upper
62	100		
64	0.0	11.2	51.2#
98	0.0	0.0	26.1

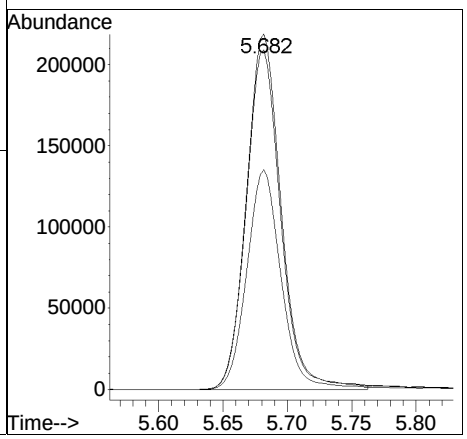


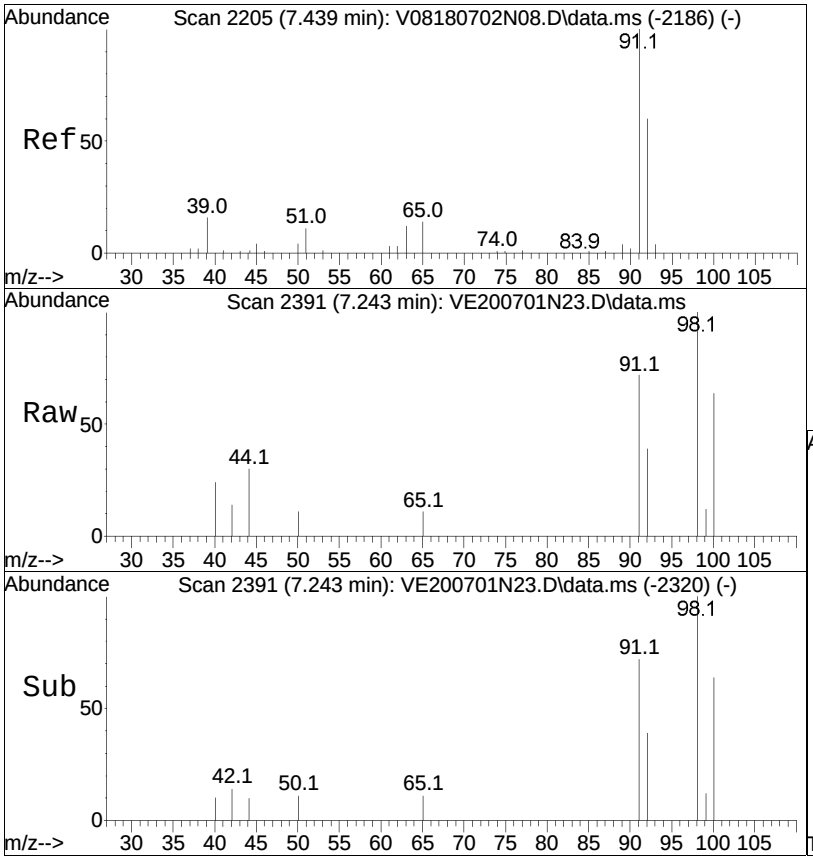


#48
Trichloroethene
Concen: 140.78 ug/L
RT: 5.682 min Scan# 1830
Delta R.T. -0.002 min
Lab File: VE200701N23.D
Acq: 2 Jul 2020 1:05 am

Tgt Ion: 95 Resp: 391202

Ion	Ratio	Lower	Upper
95	100		
97	64.2	55.5	83.3
130	105.6	76.6	115.0

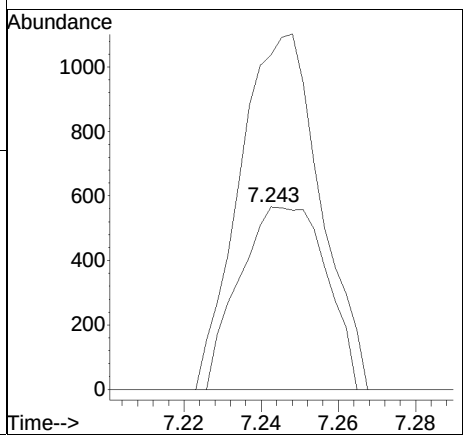


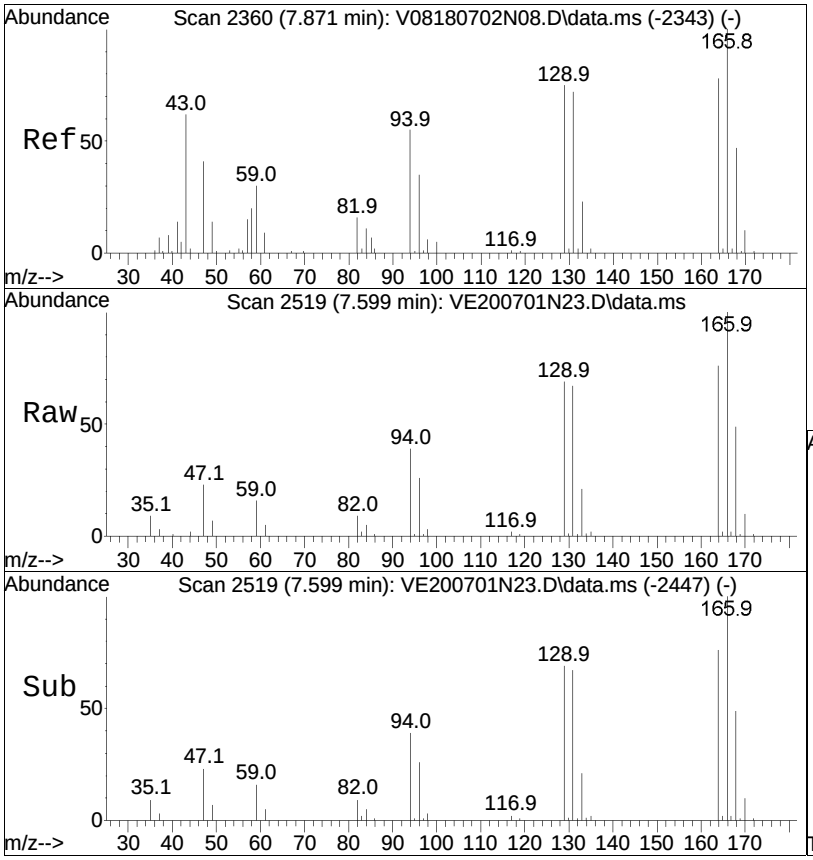


#61
Toluene
Concen: 0.13 ug/L
RT: 7.243 min Scan# 2391
Delta R.T. -0.002 min
Lab File: VE200701N23.D
Acq: 2 Jul 2020 1:05 am

Tgt Ion: 92 Resp: 883

Ion	Ratio	Lower	Upper
92	100		
91	181.7	139.8	209.6

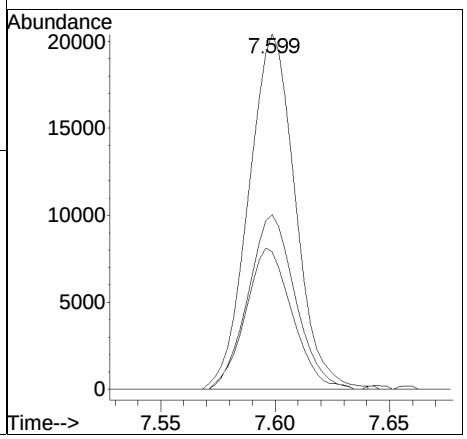


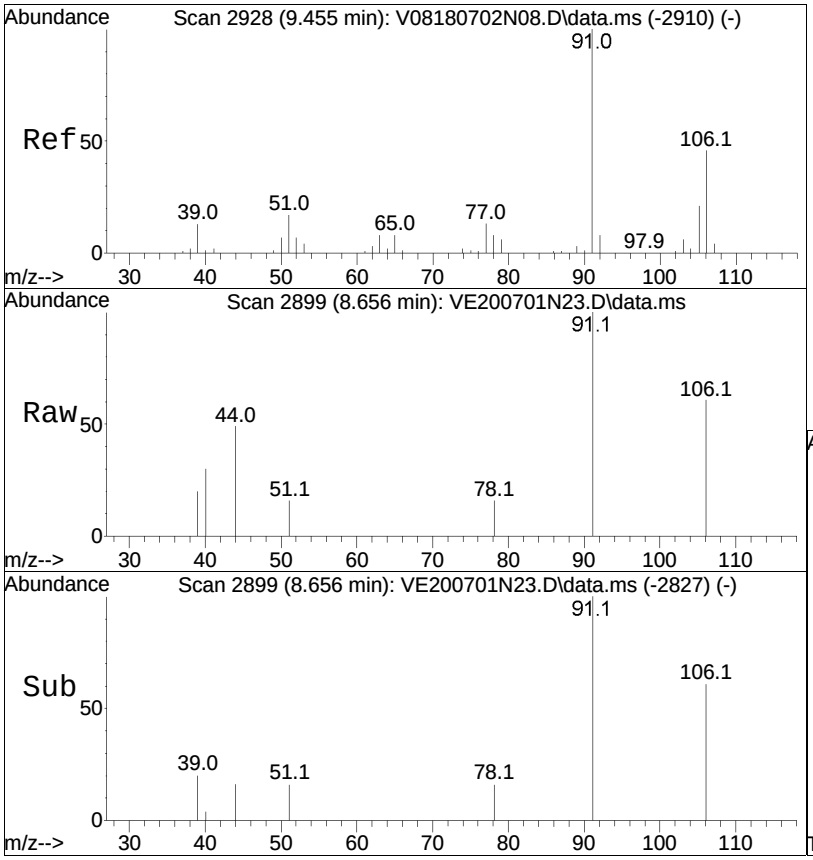


#63
Tetrachloroethene
Concen: 9.78 ug/L
RT: 7.599 min Scan# 2519
Delta R.T. 0.001 min
Lab File: VE200701N23.D
Acq: 2 Jul 2020 1:05 am

Tgt Ion:166 Resp: 28893

Ion	Ratio	Lower	Upper
166	100		
168	49.6	28.2	68.2
94	39.9	38.4	78.4

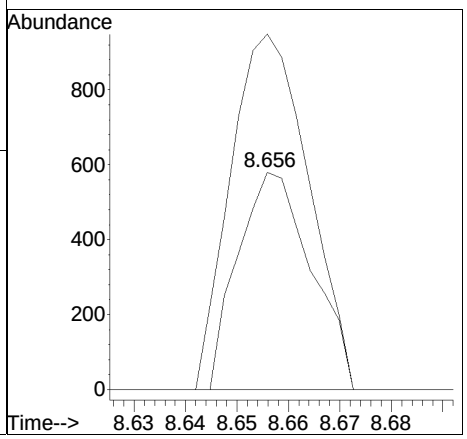




#76
p/m Xylene
Concen: 0.12 ug/L
RT: 8.656 min Scan# 2899
Delta R.T. -0.000 min
Lab File: VE200701N23.D
Acq: 2 Jul 2020 1:05 am

Tgt Ion:106 Resp: 574

Ion	Ratio	Lower	Upper
106	100		
91	174.0	166.4	249.6



Manual Integration Report

Data Path	: I:\VOLATILES\Elaine\2020\2Q	Method	: Elaine_200602N_8260.m
Data File	: VE200701N23.D	Operator	: ELAINE:NLK
Date Inj'd	: 7/2/2020 1:05 am	Instrument	: Elaine
Sample	: l2027694-08D,31,4,10,,a	Quant Date	: 7/2/2020 10:54 am

There are no manual integrations or false positives in this file.

LSC Area Percent Report

Data Path : I:\VOLATILES\Elaine\2020\200701N\
Data File : VE200701N23.D
Acq On : 2 Jul 2020 1:05 am
Operator : ELAINE:NLK
Sample : l2027694-08D,31,4,10,,a
Misc : WG1388497,ICAL16849
ALS Vial : 1 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : I:\VOLATILES\Elaine\2020\200701N\Elaine_200602N_8260.m
Title : VOLATILES BY GC/MS

Signal : TIC: VE200701N23.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	0.913	114	116	124	rVB2	18312	12673	0.57%	0.276%
2	1.005	144	149	154	rVV	8898	6953	0.31%	0.152%
3	1.035	154	160	170	rVV2	8652	12223	0.55%	0.266%
4	1.077	171	175	184	rVB	11535	9426	0.42%	0.206%
5	1.355	268	275	281	rBV3	8908	11342	0.51%	0.247%
6	1.492	321	324	336	rVB3	7329	8714	0.39%	0.190%
7	1.864	452	458	472	rVB3	2848	3920	0.18%	0.085%
8	2.023	511	515	521	rBV4	662	713	0.03%	0.016%
9	2.145	553	559	568	rVB3	1635	2209	0.10%	0.048%
10	2.343	625	630	633	rBV2	790	508	0.02%	0.011%
11	2.413	649	655	668	rVB3	974	1330	0.06%	0.029%
12	2.499	675	686	695	rBV3	3425	4466	0.20%	0.097%
13	2.582	705	716	719	rBV4	1760	2468	0.11%	0.054%
14	2.969	851	855	864	rVB3	667	635	0.03%	0.014%
15	3.823	1145	1162	1192	rBV2	34372	79394	3.55%	1.731%
16	4.435	1367	1382	1395	rBV2	65013	148274	6.62%	3.233%
17	4.499	1396	1405	1428	rVB3	46530	108144	4.83%	2.358%
18	4.716	1480	1483	1488	rVB3	710	586	0.03%	0.013%
19	5.145	1620	1637	1658	rBV2	61603	123429	5.51%	2.691%
20	5.490	1745	1761	1784	rBV	165277	324193	14.48%	7.068%
21	5.682	1807	1830	1880	rBV	1178122	2239572	100.00%	48.830%
22	7.195	2359	2374	2412	rBV	252061	398251	17.78%	8.683%
23	7.599	2507	2519	2537	rBV	113760	160666	7.17%	3.503%
24	7.654	2537	2539	2548	rVB2	960	533	0.02%	0.012%
25	8.497	2826	2842	2858	rBV	301654	340313	15.20%	7.420%
26	8.656	2894	2899	2906	rVB2	2183	1810	0.08%	0.039%
27	9.251	3104	3113	3120	rBV2	436	799	0.04%	0.017%
28	9.321	3129	3138	3155	rVB	247204	246430	11.00%	5.373%

LSC Area Percent Report

Data Path : I:\VOLATILES\Elaine\2020\200701N\
Data File : VE200701N23.D
Acq On : 2 Jul 2020 1:05 am
Operator : ELAINE:NLK
Sample : l2027694-08D,31,4,10,,a
Misc : WG1388497,ICAL16849
ALS Vial : 1 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : I:\VOLATILES\Elaine\2020\200701N\Elaine_200602N_8260.m
Title : VOLATILES BY GC/MS

29	9.989	3369	3378	3388	rVB	335439	315478	14.09%	6.878%
30	10.161	3434	3440	3445	rVB	485	548	0.02%	0.012%
31	10.189	3445	3450	3455	rBV2	476	534	0.02%	0.012%
32	10.720	3636	3641	3653	rVB2	359	568	0.03%	0.012%
33	11.524	3924	3930	3936	rBV4	951	761	0.03%	0.017%
34	11.708	3988	3996	4005	rBV3	583	629	0.03%	0.014%
35	11.830	4036	4040	4044	rBV	1036	582	0.03%	0.013%
36	11.914	4064	4070	4082	rBV3	1562	1676	0.07%	0.037%
37	11.997	4096	4100	4106	rBV2	649	685	0.03%	0.015%
38	12.067	4121	4125	4131	rVB3	632	540	0.02%	0.012%
39	12.203	4167	4174	4179	rVB2	383	506	0.02%	0.011%
40	12.292	4200	4206	4208	rBV3	576	506	0.02%	0.011%
41	12.376	4230	4236	4242	rVB2	2051	1831	0.08%	0.040%
42	12.451	4255	4263	4267	rBV4	2571	2155	0.10%	0.047%
43	12.470	4267	4270	4276	rVB4	1218	842	0.04%	0.018%
44	12.582	4304	4310	4315	rVB3	553	553	0.02%	0.012%
45	12.609	4315	4320	4330	rVB4	831	799	0.04%	0.017%
46	12.690	4343	4349	4354	rBV2	666	539	0.02%	0.012%
47	13.049	4474	4478	4483	rBV3	667	534	0.02%	0.012%
48	13.074	4483	4487	4496	rVB5	614	694	0.03%	0.015%
49	13.183	4516	4526	4533	rBV3	953	1312	0.06%	0.029%
50	13.280	4555	4561	4565	rVB4	790	623	0.03%	0.014%
51	13.302	4566	4569	4578	rBV2	530	512	0.02%	0.011%
52	13.372	4589	4594	4598	rVB4	903	795	0.04%	0.017%
53	13.461	4623	4626	4633	rVB3	615	667	0.03%	0.015%
54	13.633	4682	4688	4693	rVB4	633	591	0.03%	0.013%
55	13.775	4733	4739	4745	rVB3	438	546	0.02%	0.012%
56	13.850	4760	4766	4769	rVB2	498	526	0.02%	0.011%

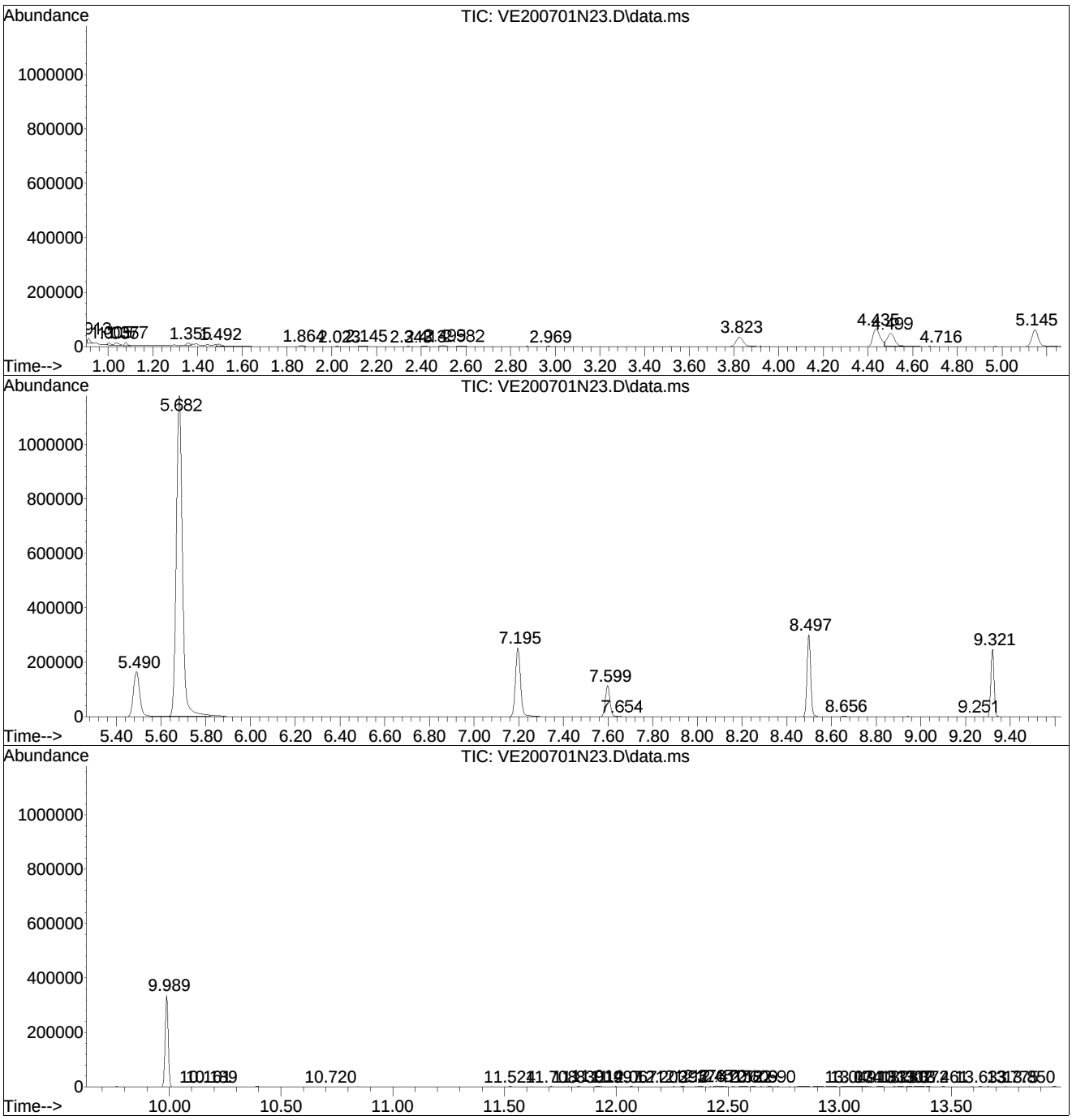
Sum of corrected areas: 4586506

LSC Report - Integrated Chromatogram

Data Path : I:\VOLATILES\Elaine\2020\200701N\
Data File : VE200701N23.D
Acq On : 2 Jul 2020 1:05 am
Operator : ELAINE:NLK
Sample : l2027694-08D,31,4,10,,a
Misc : WG1388497,ICAL16849
ALS Vial : 1 Sample Multiplier: 1

Quant Method : I:\VOLATILES\Elaine\2020\200701N\Elaine_200602N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p



Library Search Compound Report

Data Path : I:\VOLATILES\Elaine\2020\200701N\
Data File : VE200701N23.D
Acq On : 2 Jul 2020 1:05 am
Operator : ELAINE:NLK
Sample : l2027694-08D,31,4,10,,a
Misc : WG1388497,ICAL16849
ALS Vial : 1 Sample Multiplier: 1

Quant Method : I:\VOLATILES\Elaine\2020\200701N\Elaine_200602N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : I:\VOLATILES\Elaine\2020\200701N\
Data File : VE200701N23.D
Acq On : 2 Jul 2020 1:05 am
Operator : ELAINE:NLK
Sample : l2027694-08D,31,4,10,,a
Misc : WG1388497,ICAL16849
ALS Vial : 1 Sample Multiplier: 1

Quant Method : I:\VOLATILES\Elaine\2020\200701N\Elaine_200602N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2020\200701N\
Data File : VE200701N24.D
Acq On : 2 Jul 2020 1:26 am
Operator : ELAINE:NLK
Sample : l2027694-12D,31,0.2,10,,a
Misc : WG1388497,ICAL16849
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 02 11:00:18 2020
Quant Method : I:\VOLATILES\Elaine\2020\200701N\Elaine_200602N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jun 03 14:54:28 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2020\200701N\VE200701N01.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.490	96	153179	10.000 ug/L	0.00
Standard Area 1 = 144276			Recovery = 106.17%		
59) Chlorobenzene-d5	8.497	117	113083	10.000 ug/L	0.00
Standard Area 1 = 121890			Recovery = 92.77%		
79) 1,4-Dichlorobenzene-d4	9.988	152	54016	10.000 ug/L	0.00
Standard Area 1 = 61045			Recovery = 88.49%		
System Monitoring Compounds					
36) Dibromofluoromethane	4.502	113	37067	10.210 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.10%		
43) 1,2-Dichloroethane-d4	5.145	65	43339	9.740 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.40%		
60) Toluene-d8	7.198	98	145556	9.737 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.37%		
83) 4-Bromofluorobenzene	9.321	95	52180	9.368 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 93.68%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.	
3) Chloromethane	0.000		0	N.D.	
4) Vinyl chloride	0.000		0	N.D.	
5) Bromomethane	0.000		0	N.D.	
6) Chloroethane	0.000		0	N.D.	
7) Trichlorofluoromethane	0.000		0	N.D.	
10) 1,1-Dichloroethene	0.000		0	N.D.	
11) Carbon disulfide	0.000		0	N.D.	
12) Freon-113	0.000		0	N.D.	
15) Methylene chloride	0.000		0	N.D.	
17) Acetone	0.000		0	N.D.	
18) trans-1,2-Dichloroethene	2.493	96	604	0.253 ug/L #	58
19) Methyl acetate	0.000		0	N.D.	
20) Methyl tert-butyl ether	0.000		0	N.D.	
23) 1,1-Dichloroethane	0.000		0	N.D.	
28) cis-1,2-Dichloroethene	3.829	96	12375	4.542 ug/L #	75
30) Bromochloromethane	0.000		0	N.D.	
31) Cyclohexane	0.000		0	N.D.	
32) Chloroform	0.000		0	N.D.	
34) Carbon tetrachloride	0.000		0	N.D.	

Data Path : I:\VOLATILES\Elaine\2020\200701N\
Data File : VE200701N24.D
Acq On : 2 Jul 2020 1:26 am
Operator : ELAINE:NLK
Sample : l2027694-12D,31,0.2,10,,a
Misc : WG1388497,ICAL16849
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 02 11:00:18 2020
Quant Method : I:\VOLATILES\Elaine\2020\200701N\Elaine_200602N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jun 03 14:54:28 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2020\200701N\VE200701N01.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) 1,1,1-Trichloroethane	0.000		0	N.D.			
39) 2-Butanone	0.000		0	N.D.			
41) Benzene	0.000		0	N.D.			
44) 1,2-Dichloroethane	0.000		0	N.D.			
47) Methyl cyclohexane	0.000		0	N.D.	d		
48) Trichloroethene	5.679	95	325405	119.841	ug/L		92
51) 1,2-Dichloropropane	0.000		0	N.D.			
54) Bromodichloromethane	0.000		0	N.D.			
57) 1,4-Dioxane	0.000		0	N.D.			
58) cis-1,3-Dichloropropene	0.000		0	N.D.			
61) Toluene	0.000		0	N.D.			
62) 4-Methyl-2-pentanone	0.000		0	N.D.			
63) Tetrachloroethene	7.596	166	868	0.294	ug/L	#	25
65) trans-1,3-Dichloropropene	0.000		0	N.D.			
68) 1,1,2-Trichloroethane	0.000		0	N.D.			
69) Chlorodibromomethane	0.000		0	N.D.			
71) 1,2-Dibromoethane	0.000		0	N.D.			
72) 2-Hexanone	0.000		0	N.D.			
73) Chlorobenzene	0.000		0	N.D.			
74) Ethylbenzene	0.000		0	N.D.			
76) p/m Xylene	0.000		0	N.D.			
77) o Xylene	0.000		0	N.D.			
78) Styrene	0.000		0	N.D.			
80) Bromoform	0.000		0	N.D.			
82) Isopropylbenzene	0.000		0	N.D.			
87) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.			
100) 1,3-Dichlorobenzene	0.000		0	N.D.			
101) 1,4-Dichlorobenzene	0.000		0	N.D.			
104) 1,2-Dichlorobenzene	0.000		0	N.D.			
106) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.			
109) 1,2,4-Trichlorobenzene	0.000		0	N.D.			
111) 1,2,3-Trichlorobenzene	0.000		0	N.D.			

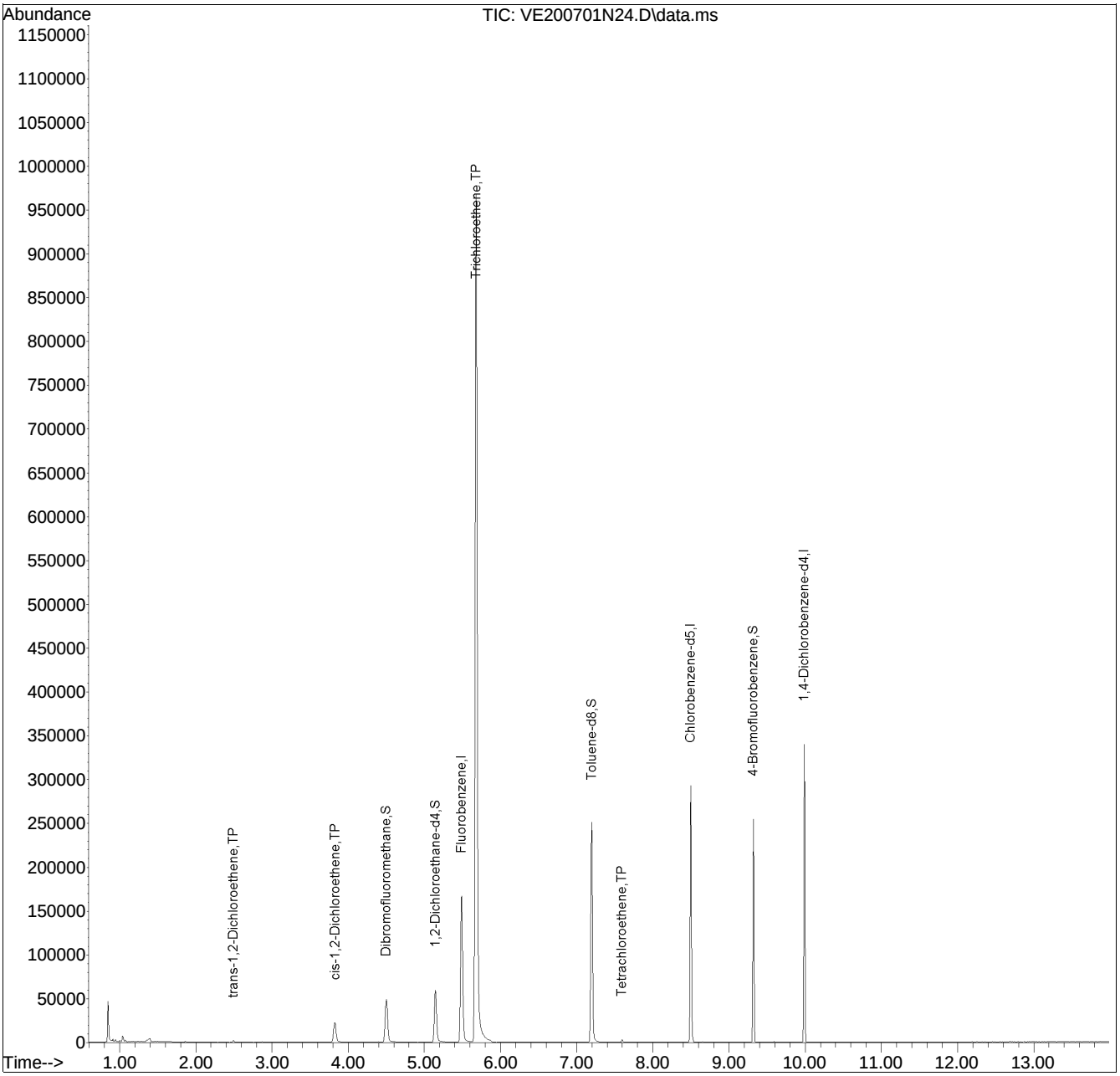
(#) = qualifier out of range (m) = manual integration (+) = signals summed

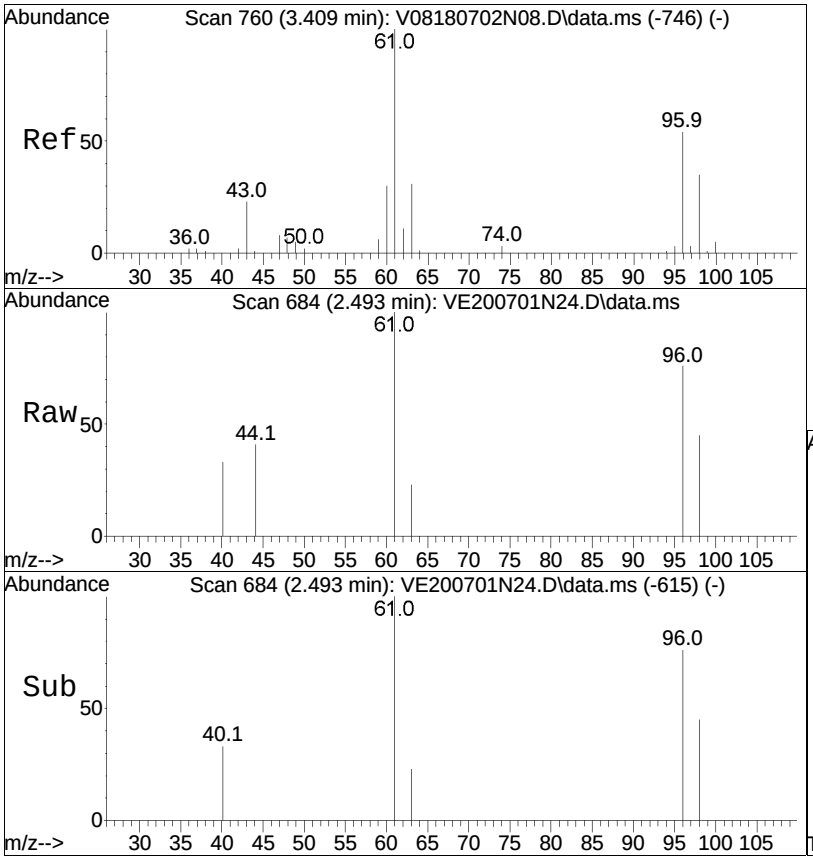
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2020\200701N\
Data File : VE200701N24.D
Acq On : 2 Jul 2020 1:26 am
Operator : ELAINE:NLK
Sample : l2027694-12D,31,0.2,10,,a
Misc : WG1388497,ICAL16849
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 02 11:00:18 2020
Quant Method : I:\VOLATILES\Elaine\2020\200701N\Elaine_200602N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jun 03 14:54:28 2020
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox00701N\VE200701N01.D•

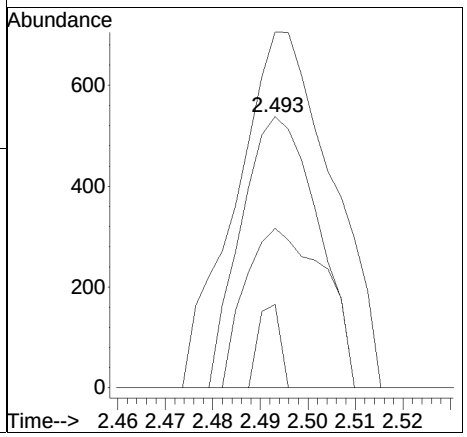


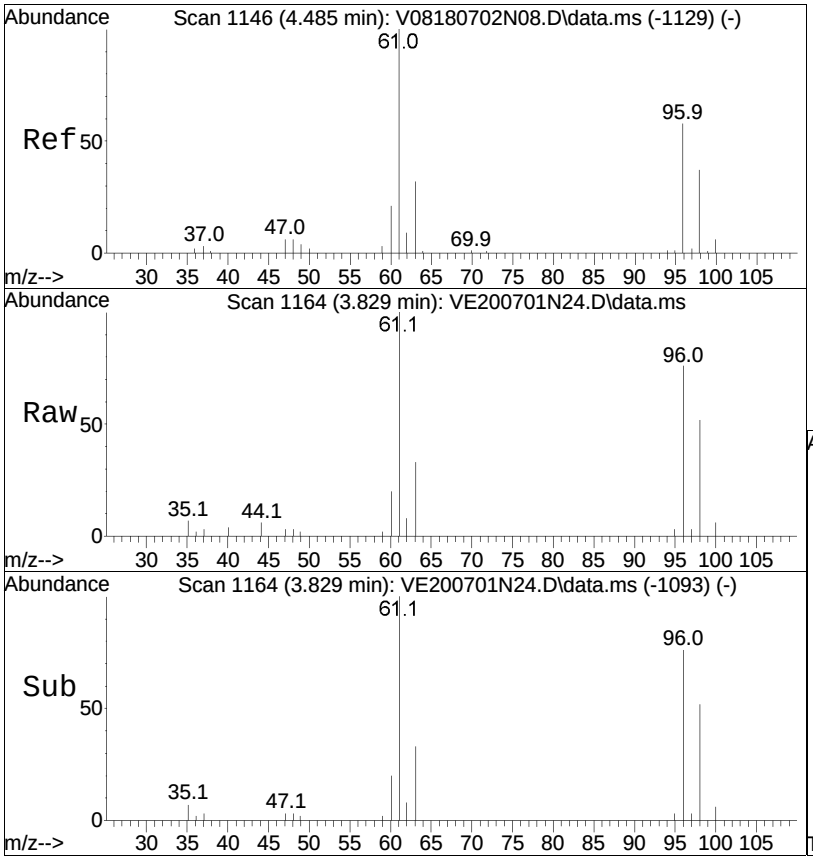


#18
trans-1,2-Dichloroethene
Concen: 0.25 ug/L
RT: 2.493 min Scan# 684
Delta R.T. -0.008 min
Lab File: VE200701N24.D
Acq: 2 Jul 2020 1:26 am

Tgt Ion: 96 Resp: 604

Ion	Ratio	Lower	Upper
96	100		
61	164.7	124.0	257.6
98	0.0	41.2	85.6#
63	0.0	38.4	79.7#

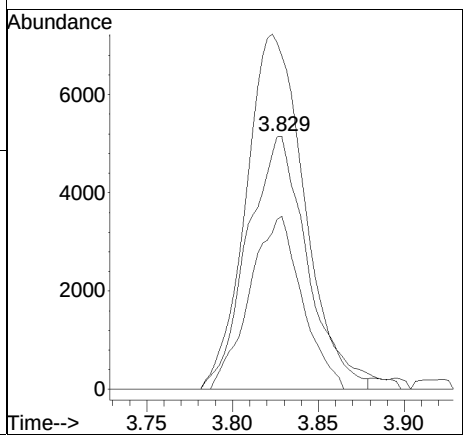


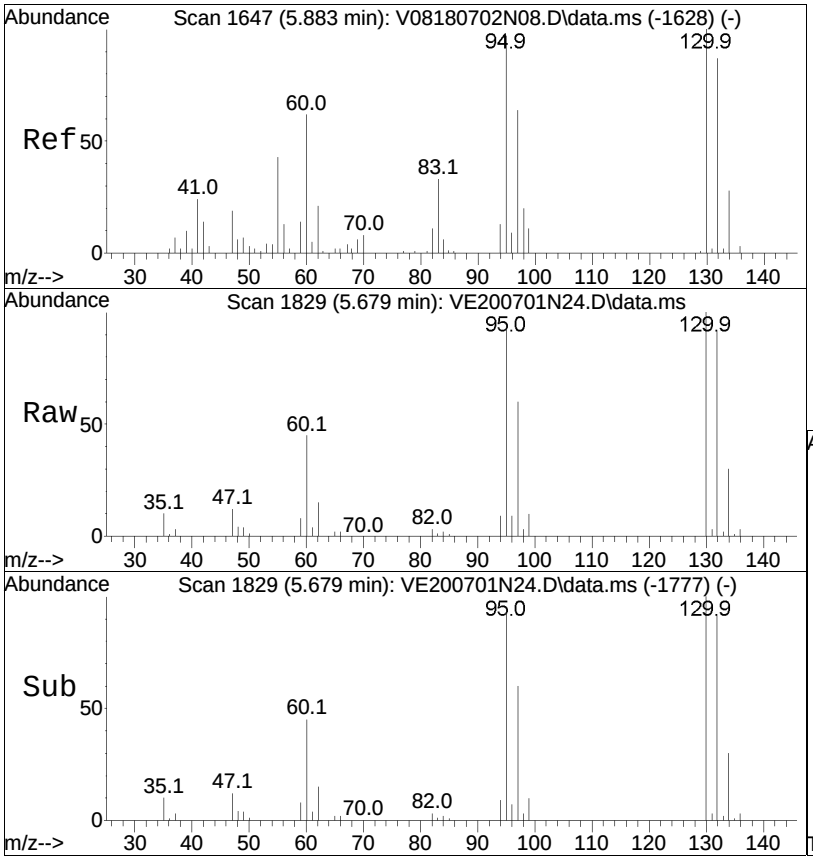


#28
cis-1,2-Dichloroethene
Concen: 4.54 ug/L
RT: 3.829 min Scan# 1164
Delta R.T. -0.002 min
Lab File: VE200701N24.D
Acq: 2 Jul 2020 1:26 am

Tgt Ion: 96 Resp: 12375

Ion	Ratio	Lower	Upper
96	100		
61	140.9	149.4	224.2#
98	60.6	53.4	80.2

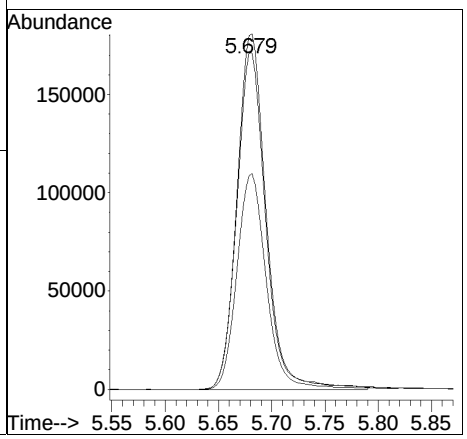


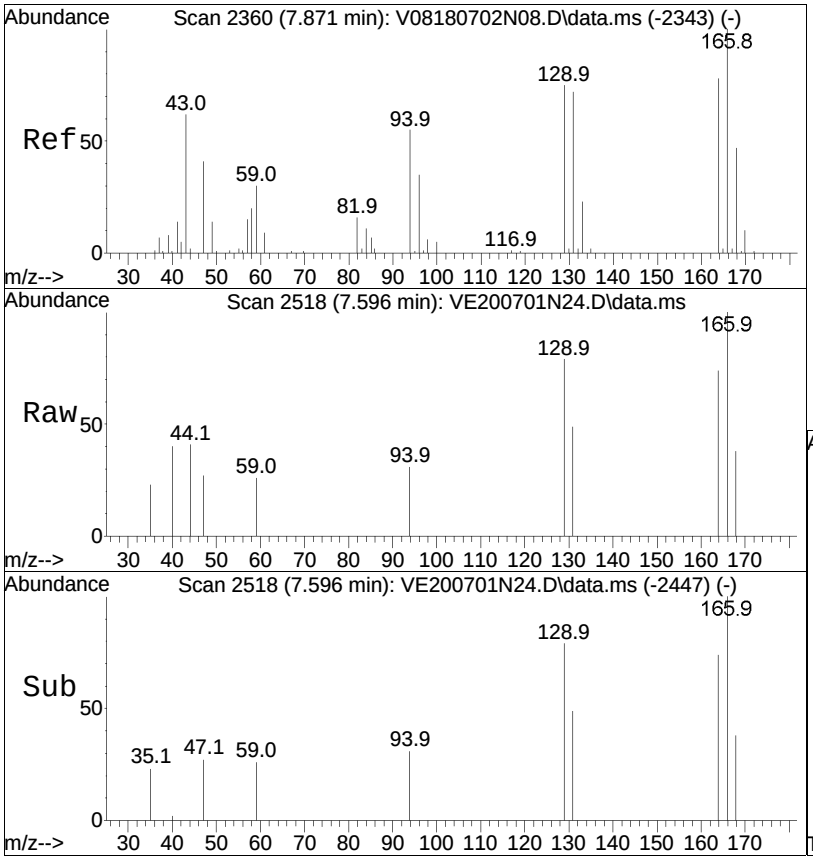


#48
Trichloroethene
Concen: 119.84 ug/L
RT: 5.679 min Scan# 1829
Delta R.T. -0.005 min
Lab File: VE200701N24.D
Acq: 2 Jul 2020 1:26 am

Tgt Ion: 95 Resp: 325405

Ion	Ratio	Lower	Upper
95	100		
97	65.0	55.5	83.3
130	105.1	76.6	115.0

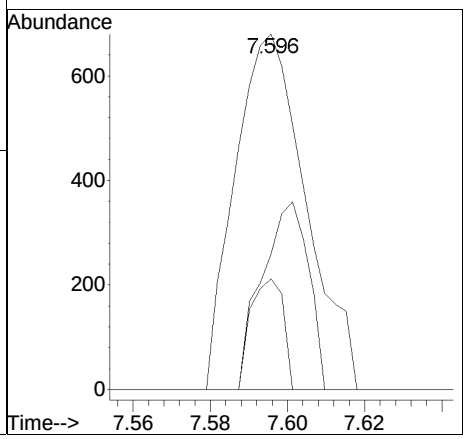




#63
Tetrachloroethene
Concen: 0.29 ug/L
RT: 7.596 min Scan# 2518
Delta R.T. -0.002 min
Lab File: VE200701N24.D
Acq: 2 Jul 2020 1:26 am

Tgt Ion:166 Resp: 868

Ion	Ratio	Lower	Upper
166	100		
168	0.0	28.2	68.2#
94	0.0	38.4	78.4#



Manual Integration Report

Data Path	: I:\VOLATILES\Elaine\2020\2Q	Method	: Elaine_200602N_8260.m
Data File	: VE200701N24.D	Operator	: ELAINE:NLK
Date Inj'd	: 7/2/2020 1:26 am	Instrument	: Elaine
Sample	: l2027694-12D,31,0.2,10,,a	Quant Date	: 7/2/2020 10:54 am

There are no manual integrations or false positives in this file.

LSC Area Percent Report

Data Path : I:\VOLATILES\Elaine\2020\200701N\
Data File : VE200701N24.D
Acq On : 2 Jul 2020 1:26 am
Operator : ELAINE:NLK
Sample : l2027694-12D,31,0.2,10,,a
Misc : WG1388497,ICAL16849
ALS Vial : 1 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : I:\VOLATILES\Elaine\2020\200701N\Elaine_200602N_8260.m
Title : VOLATILES BY GC/MS

Signal : TIC: VE200701N24.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	0.913	114	116	120	rVB2	2410	1398	0.08%	0.037%
2	0.946	124	128	133	rVB	2155	1468	0.08%	0.039%
3	1.002	144	148	155	rBV2	1285	1003	0.05%	0.026%
4	1.041	156	162	171	rVV	6799	8202	0.44%	0.216%
5	1.077	171	175	183	rVB2	2027	1809	0.10%	0.048%
6	1.174	208	210	217	rVB3	731	608	0.03%	0.016%
7	1.364	268	278	280	rBV5	2275	2612	0.14%	0.069%
8	1.503	321	328	337	rBV4	649	612	0.03%	0.016%
9	1.864	452	458	468	rVB5	1121	1085	0.06%	0.029%
10	1.939	476	485	491	rBV2	425	760	0.04%	0.020%
11	2.145	550	559	561	rBV3	595	588	0.03%	0.015%
12	2.276	600	606	611	rVB2	439	507	0.03%	0.013%
13	2.424	654	659	666	rBV3	626	632	0.03%	0.017%
14	2.493	675	684	694	rBV2	1752	2185	0.12%	0.057%
15	3.303	972	975	987	rVB2	495	718	0.04%	0.019%
16	3.826	1144	1163	1186	rBV2	22606	52502	2.82%	1.381%
17	4.502	1383	1406	1427	rBV3	48850	113429	6.10%	2.983%
18	5.145	1623	1637	1661	rBV2	59368	122297	6.58%	3.216%
19	5.490	1742	1761	1789	rBV	166755	324671	17.47%	8.538%
20	5.682	1810	1830	1892	rBV	966669	1858970	100.00%	48.884%
21	7.195	2360	2374	2399	rBV	251149	396961	21.35%	10.439%
22	7.599	2512	2519	2529	rVB6	3132	3507	0.19%	0.092%
23	8.497	2827	2842	2860	rBV	293026	331688	17.84%	8.722%
24	8.656	2891	2899	2905	rBV3	457	559	0.03%	0.015%
25	9.321	3129	3138	3148	rVB	254407	248228	13.35%	6.527%
26	9.988	3365	3378	3391	rVB	339943	320424	17.24%	8.426%
27	12.487	4272	4276	4288	rVB2	483	536	0.03%	0.014%
28	12.796	4380	4387	4395	rBV3	364	521	0.03%	0.014%

LSC Area Percent Report

Data Path : I:\VOLATILES\Elaine\2020\200701N\
Data File : VE200701N24.D
Acq On : 2 Jul 2020 1:26 am
Operator : ELAINE:NLK
Sample : l2027694-12D,31,0.2,10,,a
Misc : WG1388497,ICAL16849
ALS Vial : 1 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : I:\VOLATILES\Elaine\2020\200701N\Elaine_200602N_8260.m
Title : VOLATILES BY GC/MS

29	12.876	4410	4416	4421	rBV2	499	633	0.03%	0.017%
30	12.935	4435	4437	4446	rVB3	409	508	0.03%	0.013%
31	12.979	4447	4453	4459	rBV2	461	510	0.03%	0.013%
32	13.068	4479	4485	4491	rBV3	460	605	0.03%	0.016%
33	13.322	4568	4576	4580	rBV3	455	576	0.03%	0.015%
34	13.872	4767	4774	4779	rBV5	648	757	0.04%	0.020%
35	13.953	4797	4803	4812	rVB4	564	763	0.04%	0.020%

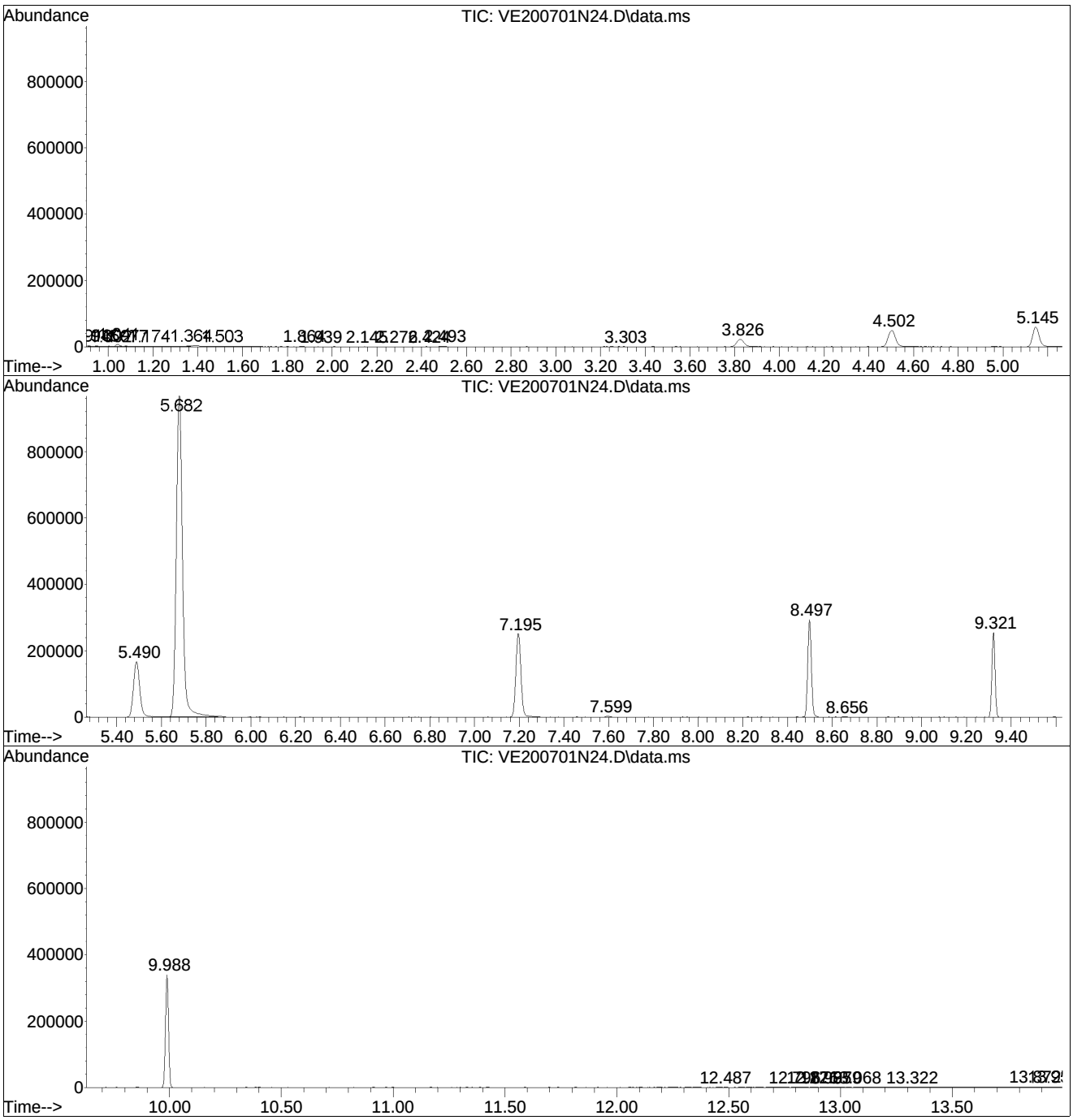
Sum of corrected areas: 3802832

LSC Report - Integrated Chromatogram

Data Path : I:\VOLATILES\Elaine\2020\200701N\
Data File : VE200701N24.D
Acq On : 2 Jul 2020 1:26 am
Operator : ELAINE:NLK
Sample : l2027694-12D,31,0.2,10,,a
Misc : WG1388497,ICAL16849
ALS Vial : 1 Sample Multiplier: 1

Quant Method : I:\VOLATILES\Elaine\2020\200701N\Elaine_200602N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p



Library Search Compound Report

Data Path : I:\VOLATILES\Elaine\2020\200701N\
Data File : VE200701N24.D
Acq On : 2 Jul 2020 1:26 am
Operator : ELAINE:NLK
Sample : l2027694-12D,31,0.2,10,,a
Misc : WG1388497,ICAL16849
ALS Vial : 1 Sample Multiplier: 1

Quant Method : I:\VOLATILES\Elaine\2020\200701N\Elaine_200602N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : I:\VOLATILES\Elaine\2020\200701N\
Data File : VE200701N24.D
Acq On : 2 Jul 2020 1:26 am
Operator : ELAINE:NLK
Sample : l2027694-12D,31,0.2,10,,a
Misc : WG1388497,ICAL16849
ALS Vial : 1 Sample Multiplier: 1

Quant Method : I:\VOLATILES\Elaine\2020\200701N\Elaine_200602N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2020\200702A\
Data File : V08200702A06.D
Acq On : 2 Jul 2020 8:48 am
Operator : VOA108:PD
Sample : l2027694-01D,31,0.2,10,,c
Misc : WG1388512,ICAL16918
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 02 09:21:15 2020
Quant Method : I:\VOLATILES\VOA108\2020\200702A\V108_200623N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jun 24 10:26:22 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2020\200702A\V08200702A01.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.400	96	196615	10.000	ug/L	0.00
Standard Area 1 = 204273			Recovery = 96.25%			
59) Chlorobenzene-d5	8.429	117	139750	10.000	ug/L	0.00
Standard Area 1 = 143225			Recovery = 97.57%			
79) 1,4-Dichlorobenzene-d4	9.926	152	61849	10.000	ug/L	0.00
Standard Area 1 = 66393			Recovery = 93.16%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.405	113	51521	9.743	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.43%			
43) 1,2-Dichloroethane-d4	5.049	65	66244	11.424	ug/L	-0.01
Spiked Amount 10.000	Range 70 - 130		Recovery = 114.24%			
60) Toluene-d8	7.110	98	190518	10.535	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.35%			
83) 4-Bromofluorobenzene	9.254	95	65390	10.051	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.51%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	0.000		0	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	0.000		0	N.D.		
6) Chloroethane	0.000		0	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	0.000		0	N.D.		
12) Freon-113	0.000		0	N.D.		
15) Methylene chloride	0.000		0	N.D.		
17) Acetone	0.000		0	N.D.		
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
19) Methyl acetate	0.000		0	N.D.		
20) Methyl tert-butyl ether	0.000		0	N.D.		
23) 1,1-Dichloroethane	0.000		0	N.D.		
28) cis-1,2-Dichloroethene	3.721	96	1848	0.319	ug/L	81
30) Bromochloromethane	0.000		0	N.D.		
31) Cyclohexane	0.000		0	N.D.		
32) Chloroform	0.000		0	N.D.		
34) Carbon tetrachloride	0.000		0	N.D.		

Data Path : I:\VOLATILES\VOA108\2020\200702A\
Data File : V08200702A06.D
Acq On : 2 Jul 2020 8:48 am
Operator : VOA108:PD
Sample : l2027694-01D,31,0.2,10,,c
Misc : WG1388512,ICAL16918
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 02 09:21:15 2020
Quant Method : I:\VOLATILES\VOA108\2020\200702A\V108_200623N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jun 24 10:26:22 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2020\200702A\V08200702A01.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1,1,1-Trichloroethane	0.000		0	N.D.		
39) 2-Butanone	0.000		0	N.D.		
41) Benzene	0.000		0	N.D.		
44) 1,2-Dichloroethane	0.000		0	N.D.		
47) Methyl cyclohexane	0.000		0	N.D. d		
48) Trichloroethene	5.595	95	519669	86.057	ug/L	94
51) 1,2-Dichloropropane	0.000		0	N.D.		
54) Bromodichloromethane	0.000		0	N.D.		
57) 1,4-Dioxane	0.000		0	N.D.		
58) cis-1,3-Dichloropropene	0.000		0	N.D.		
61) Toluene	0.000		0	N.D.		
62) 4-Methyl-2-pentanone	0.000		0	N.D.		
63) Tetrachloroethene	7.519	166	1618	0.325	ug/L	83
65) trans-1,3-Dichloropropene	0.000		0	N.D.		
68) 1,1,2-Trichloroethane	0.000		0	N.D.		
69) Chlorodibromomethane	0.000		0	N.D.		
71) 1,2-Dibromoethane	0.000		0	N.D.		
72) 2-Hexanone	0.000		0	N.D.		
73) Chlorobenzene	0.000		0	N.D.		
74) Ethylbenzene	8.593	91	627	N.D.		
76) p/m Xylene	0.000		0	N.D.		
77) o Xylene	0.000		0	N.D.		
78) Styrene	0.000		0	N.D.		
80) Bromoform	0.000		0	N.D.		
82) Isopropylbenzene	0.000		0	N.D.		
87) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
100) 1,3-Dichlorobenzene	0.000		0	N.D.		
101) 1,4-Dichlorobenzene	0.000		0	N.D.		
104) 1,2-Dichlorobenzene	0.000		0	N.D.		
106) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
109) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
111) 1,2,3-Trichlorobenzene	0.000		0	N.D.		

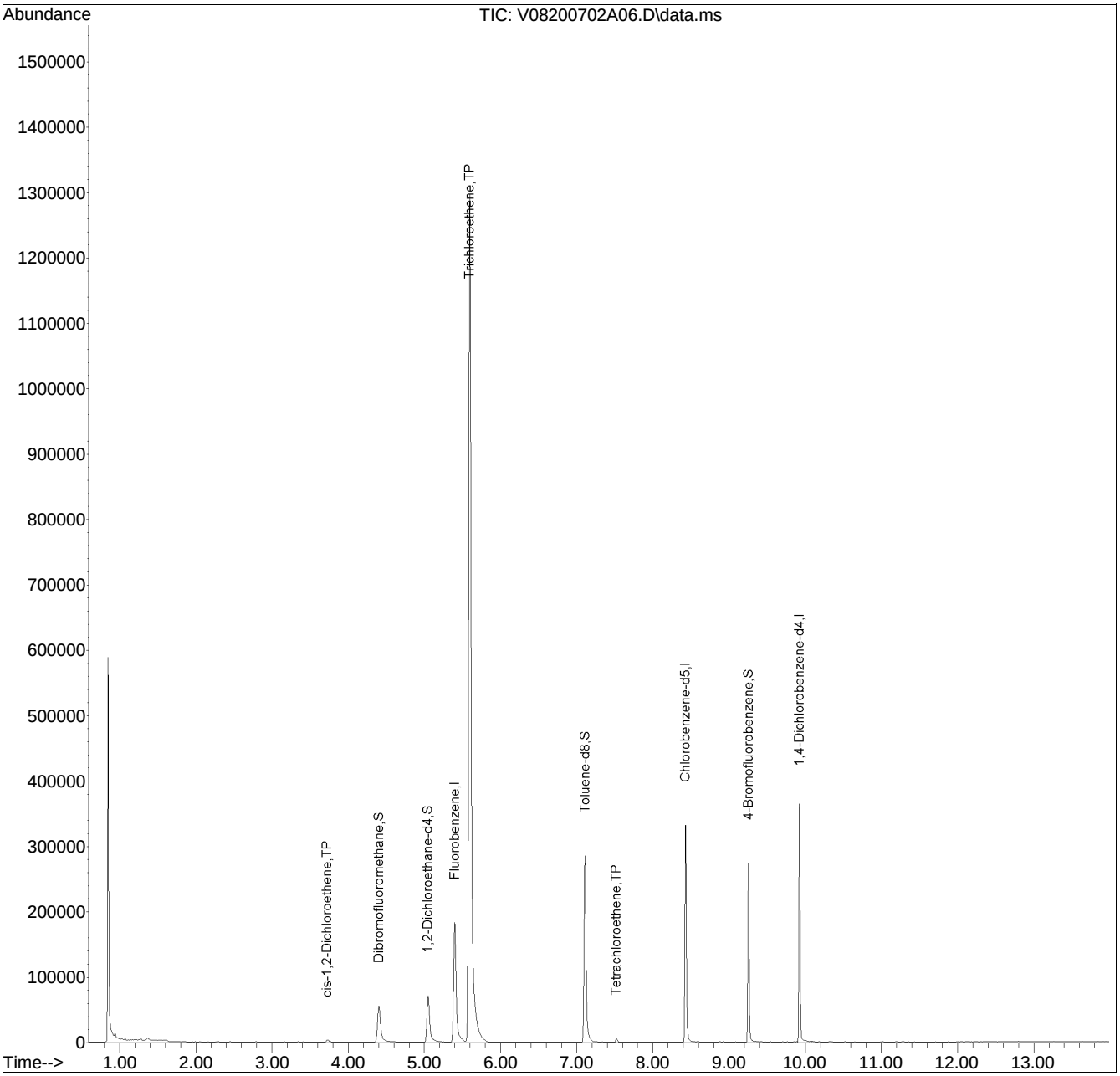
(#) = qualifier out of range (m) = manual integration (+) = signals summed

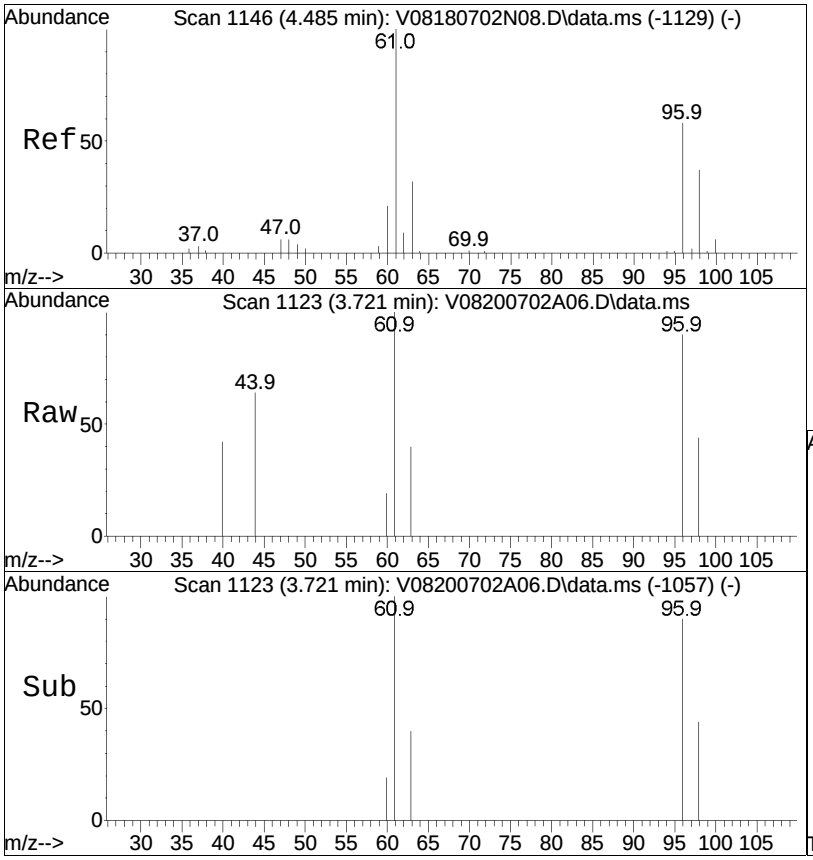
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2020\200702A\
Data File : V08200702A06.D
Acq On : 2 Jul 2020 8:48 am
Operator : VOA108:PD
Sample : l2027694-01D,31,0.2,10,,c
Misc : WG1388512,ICAL16918
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 02 09:21:15 2020
Quant Method : I:\VOLATILES\VOA108\2020\200702A\V108_200623N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jun 24 10:26:22 2020
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox00702A\V08200702A01.D•

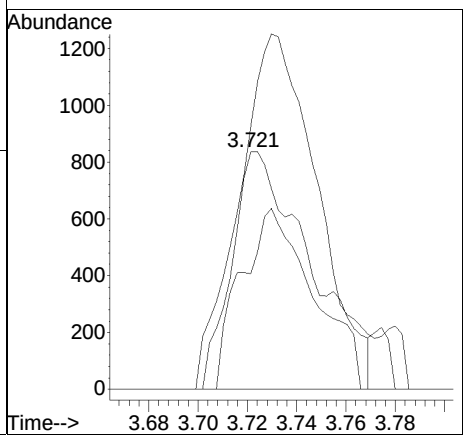


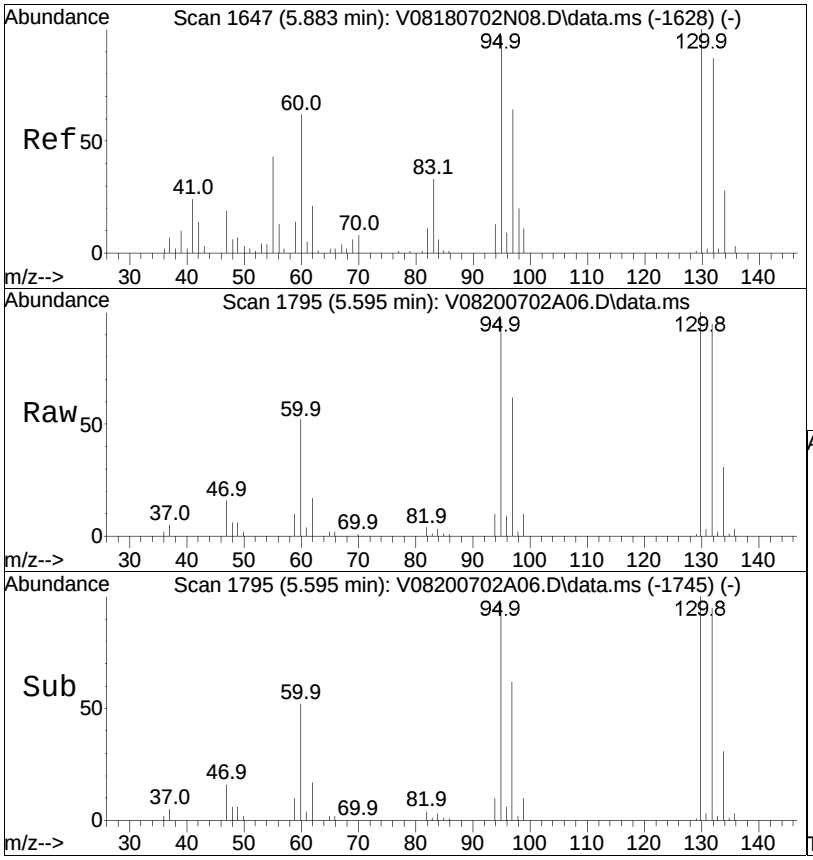


#28
cis-1,2-Dichloroethene
Concen: 0.32 ug/L
RT: 3.721 min Scan# 1123
Delta R.T. -0.017 min
Lab File: V08200702A06.D
Acq: 2 Jul 2020 8:48 am

Tgt Ion: 96 Resp: 1848

Ion	Ratio	Lower	Upper
96	100		
61	151.5	149.4	224.2
98	70.3	53.4	80.2

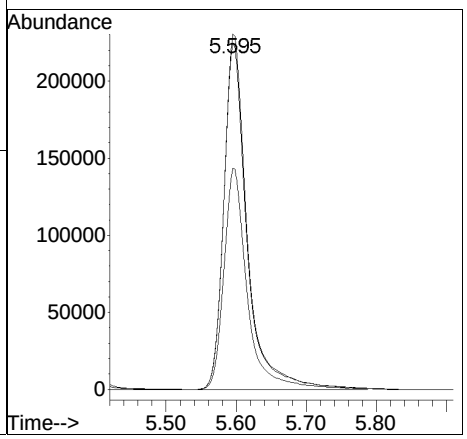


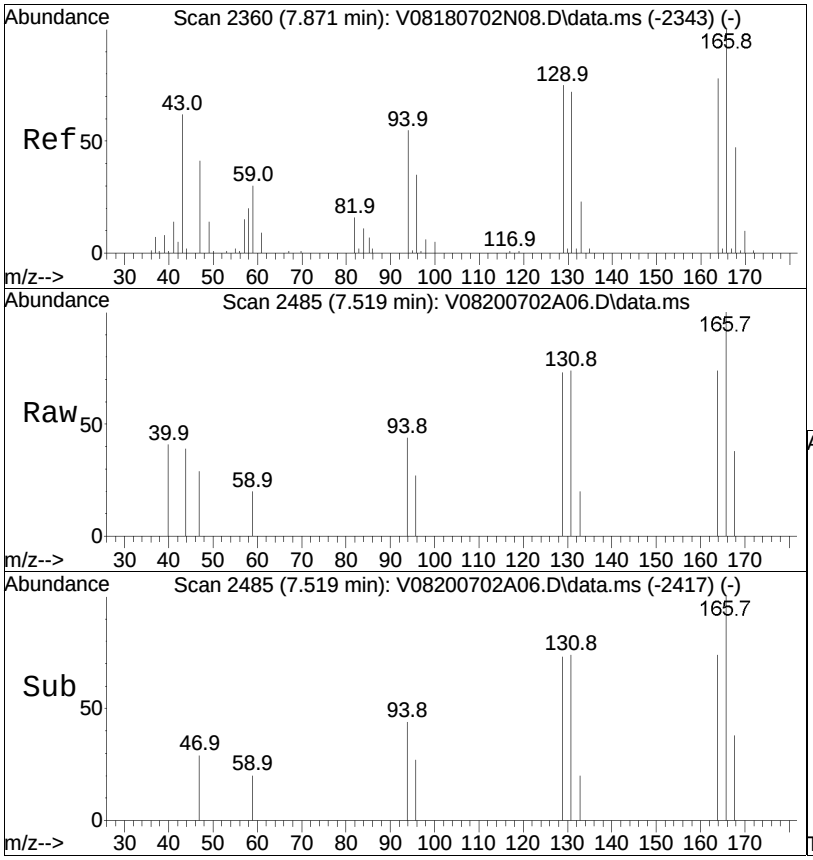


#48
Trichloroethene
Concen: 86.06 ug/L
RT: 5.595 min Scan# 1795
Delta R.T. -0.011 min
Lab File: V08200702A06.D
Acq: 2 Jul 2020 8:48 am

Tgt Ion: 95 Resp: 519669

Ion	Ratio	Lower	Upper
95	100		
97	64.0	55.5	83.3
130	101.9	76.6	115.0

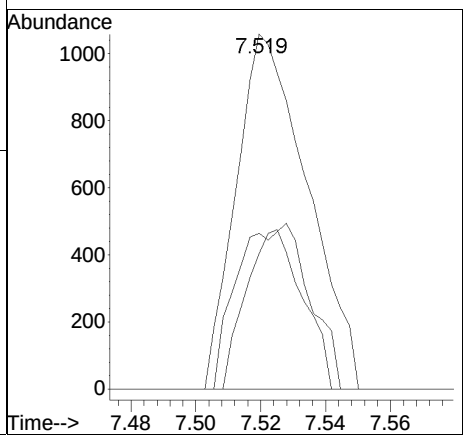




#63
Tetrachloroethene
Concen: 0.32 ug/L
RT: 7.519 min Scan# 2485
Delta R.T. -0.012 min
Lab File: V08200702A06.D
Acq: 2 Jul 2020 8:48 am

Tgt Ion:166 Resp: 1618

Ion	Ratio	Lower	Upper
166	100		
168	35.7	28.2	68.2
94	47.2	38.4	78.4



Manual Integration Report

Data Path	: I:\VOLATILES\VOA108\2020\2	QMethod	: V108_200623N_8260.m
Data File	: V08200702A06.D	Operator	: VOA108:PD
Date Inj'd	: 7/2/2020 8:48 am	Instrument	: VOA 108
Sample	: l2027694-01D,31,0.2,10,,c	Quant Date	: 7/2/2020 9:20 am

There are no manual integrations or false positives in this file.

LSC Area Percent Report

Data Path : I:\VOLATILES\VOA108\2020\200702A\
Data File : V08200702A06.D
Acq On : 2 Jul 2020 8:48 am
Operator : VOA108:PD
Sample : l2027694-01D,31,0.2,10,,c
Misc : WG1388512,ICAL16918
ALS Vial : 6 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 500 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : I:\VOLATILES\VOA108\2020\200702A\V108_200623N_8260.m
Title : VOLATILES BY GC/MS

Signal : TIC: V08200702A06.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	0.941	122	126	146	rVB2	9043	12162	0.40%	0.218%
2	1.030	154	158	168	rVV5	2055	2307	0.08%	0.041%
3	1.072	169	173	181	rVB2	3429	2987	0.10%	0.054%
4	1.189	212	215	218	rBV2	1145	679	0.02%	0.012%
5	1.373	262	281	298	rBV7	3734	11173	0.37%	0.201%
6	2.302	604	614	618	rBV4	643	808	0.03%	0.015%
7	2.444	656	665	673	rBV3	652	829	0.03%	0.015%
8	2.960	841	850	857	rVB2	341	555	0.02%	0.010%
9	3.730	1115	1126	1147	rBV3	3322	7785	0.26%	0.140%
10	4.405	1346	1368	1412	rBV2	55562	161221	5.33%	2.894%
11	5.049	1582	1599	1644	rBV2	70462	181992	6.02%	3.267%
12	5.208	1653	1656	1666	rVB4	602	710	0.02%	0.013%
13	5.400	1705	1725	1775	rBV	182878	439960	14.55%	7.898%
14	5.595	1775	1795	1878	rVB	1295956	3024095	100.00%	54.288%
15	7.110	2322	2338	2384	rBV	284947	537837	17.79%	9.655%
16	7.260	2389	2392	2403	rVB2	473	642	0.02%	0.012%
17	7.522	2478	2486	2506	rVB5	5550	8747	0.29%	0.157%
18	8.429	2800	2811	2858	rBV	332114	445150	14.72%	7.991%
19	8.593	2863	2870	2880	rVB4	1059	1349	0.04%	0.024%
20	8.872	2959	2970	2972	rBV2	608	770	0.03%	0.014%
21	8.925	2978	2989	2991	rBV3	477	650	0.02%	0.012%
22	9.087	3041	3047	3053	rBV3	544	584	0.02%	0.010%
23	9.254	3098	3107	3136	rBV	273904	312067	10.32%	5.602%
24	9.427	3161	3169	3178	rVB4	919	1402	0.05%	0.025%
25	9.474	3178	3186	3197	rVB2	592	743	0.02%	0.013%
26	9.536	3205	3208	3221	rVB2	1057	1027	0.03%	0.018%
27	9.703	3262	3268	3273	rBV2	756	560	0.02%	0.010%
28	9.762	3282	3289	3295	rBV2	528	548	0.02%	0.010%

LSC Area Percent Report

Data Path : I:\VOLATILES\VOA108\2020\200702A\
Data File : V08200702A06.D
Acq On : 2 Jul 2020 8:48 am
Operator : VOA108:PD
Sample : l2027694-01D,31,0.2,10,,c
Misc : WG1388512,ICAL16918
ALS Vial : 6 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 500 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : I:\VOLATILES\VOA108\2020\200702A\V108_200623N_8260.m
Title : VOLATILES BY GC/MS

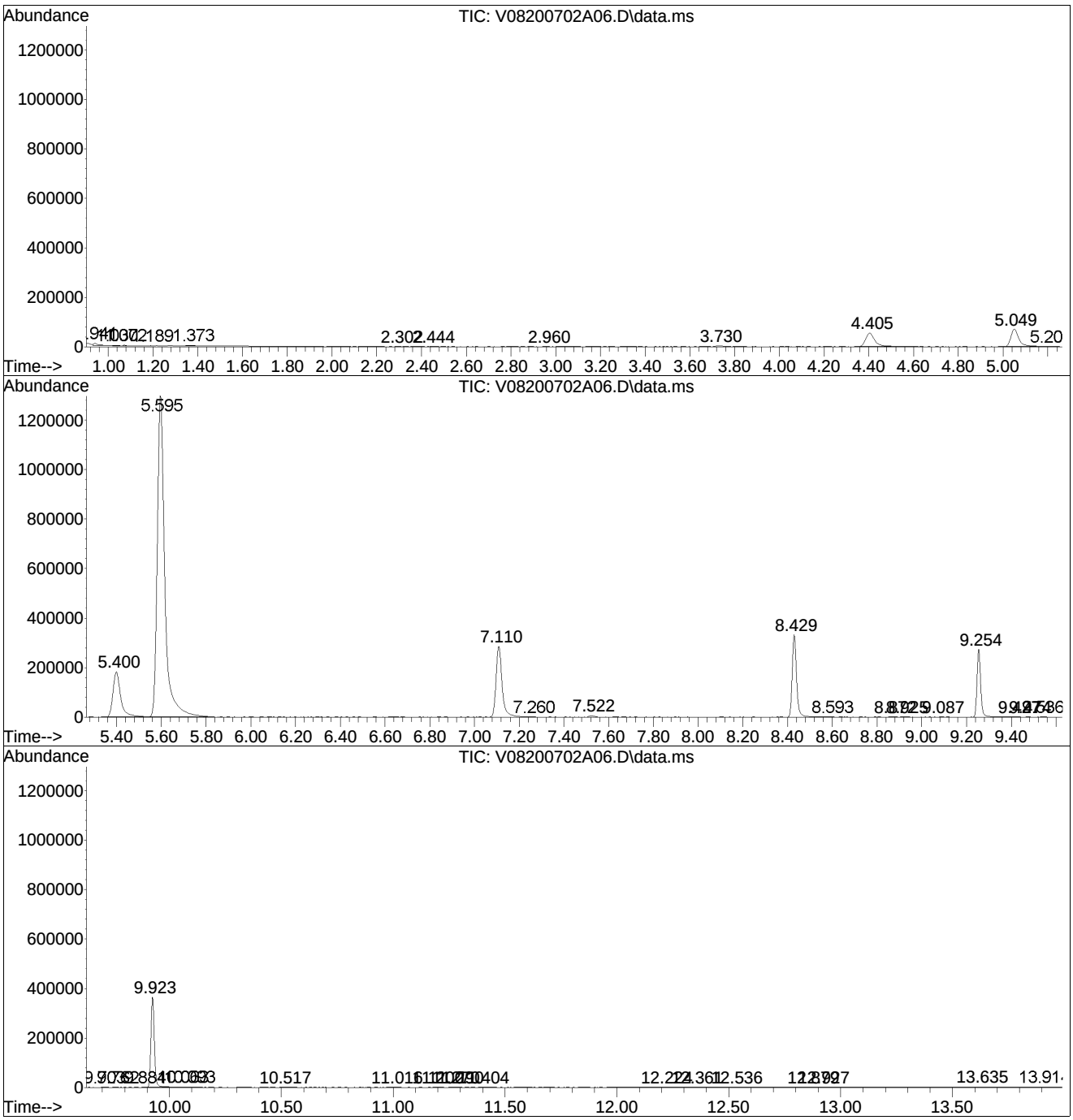
29	9.884	3329	3333	3338	rBV3	1112	896	0.03%	0.016%
30	9.923	3338	3347	3379	rBV	364511	397682	13.15%	7.139%
31	10.063	3393	3397	3403	rVB4	1242	1154	0.04%	0.021%
32	10.093	3403	3408	3415	rBV4	1080	1259	0.04%	0.023%
33	10.517	3547	3560	3567	rBV3	517	1000	0.03%	0.018%
34	11.016	3735	3739	3751	rVB3	733	865	0.03%	0.016%
35	11.200	3796	3805	3810	rBV3	487	643	0.02%	0.012%
36	11.270	3817	3830	3833	rBV3	688	969	0.03%	0.017%
37	11.290	3833	3837	3846	rVB3	692	801	0.03%	0.014%
38	11.404	3867	3878	3882	rBV2	489	756	0.02%	0.014%
39	12.224	4161	4172	4179	rBV3	485	816	0.03%	0.015%
40	12.361	4214	4221	4231	rBV4	512	992	0.03%	0.018%
41	12.536	4278	4284	4288	rBV3	622	747	0.02%	0.013%
42	12.879	4398	4407	4410	rBV5	499	676	0.02%	0.012%
43	12.927	4420	4424	4431	rVB2	563	516	0.02%	0.009%
44	13.635	4674	4678	4684	rBV3	763	635	0.02%	0.011%
45	13.914	4772	4778	4782	rBV4	675	699	0.02%	0.013%

Sum of corrected areas: 5570445

Data Path : I:\VOLATILES\VOA108\2020\200702A\
Data File : V08200702A06.D
Acq On : 2 Jul 2020 8:48 am
Operator : VOA108:PD
Sample : l2027694-01D,31,0.2,10,,c
Misc : WG1388512,ICAL16918
ALS Vial : 6 Sample Multiplier: 1

Quant Method : I:\VOLATILES\VOA108\2020\200702A\V108_200623N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p



Library Search Compound Report

Data Path : I:\VOLATILES\VOA108\2020\200702A\
Data File : V08200702A06.D
Acq On : 2 Jul 2020 8:48 am
Operator : VOA108:PD
Sample : l2027694-01D,31,0.2,10,,c
Misc : WG1388512,ICAL16918
ALS Vial : 6 Sample Multiplier: 1

Quant Method : I:\VOLATILES\VOA108\2020\200702A\V108_200623N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : I:\VOLATILES\VOA108\2020\200702A\
Data File : V08200702A06.D
Acq On : 2 Jul 2020 8:48 am
Operator : VOA108:PD
Sample : l2027694-01D,31,0.2,10,,c
Misc : WG1388512,ICAL16918
ALS Vial : 6 Sample Multiplier: 1

Quant Method : I:\VOLATILES\VOA108\2020\200702A\V108_200623N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

						Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2020\200702A\
Data File : V08200702A07.D
Acq On : 2 Jul 2020 9:13 am
Operator : VOA108:PD
Sample : l2027694-02D,31,0.25,10,,c
Misc : WG1388512,ICAL16918
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 02 09:43:11 2020
Quant Method : I:\VOLATILES\VOA108\2020\200702A\V108_200623N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jun 24 10:26:22 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2020\200702A\V08200702A01.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.397	96	204980	10.000	ug/L	-0.01
Standard Area 1 = 204273			Recovery = 100.35%			
59) Chlorobenzene-d5	8.429	117	145663	10.000	ug/L	0.00
Standard Area 1 = 143225			Recovery = 101.70%			
79) 1,4-Dichlorobenzene-d4	9.923	152	65824	10.000	ug/L	0.00
Standard Area 1 = 66393			Recovery = 99.14%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.405	113	51817	9.399	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 93.99%			
43) 1,2-Dichloroethane-d4	5.051	65	63623	10.524	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.24%			
60) Toluene-d8	7.109	98	196392	10.419	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.19%			
83) 4-Bromofluorobenzene	9.254	95	68054	9.828	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.28%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	0.000		0	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	0.000		0	N.D.		
6) Chloroethane	0.000		0	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	0.000		0	N.D.		
12) Freon-113	0.000		0	N.D.		
15) Methylene chloride	0.000		0	N.D.		
17) Acetone	0.000		0	N.D.		
18) trans-1,2-Dichloroethene	2.444	96	15299M1	2.828	ug/L	
19) Methyl acetate	0.000		0	N.D.		
20) Methyl tert-butyl ether	0.000		0	N.D.		
23) 1,1-Dichloroethane	0.000		0	N.D.		
28) cis-1,2-Dichloroethene	3.730	96	30241M1	5.012	ug/L	
30) Bromochloromethane	0.000		0	N.D.		
31) Cyclohexane	0.000		0	N.D.		
32) Chloroform	0.000		0	N.D.		
34) Carbon tetrachloride	0.000		0	N.D.		

Data Path : I:\VOLATILES\VOA108\2020\200702A\
Data File : V08200702A07.D
Acq On : 2 Jul 2020 9:13 am
Operator : VOA108:PD
Sample : l2027694-02D,31,0.25,10,,c
Misc : WG1388512,ICAL16918
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 02 09:43:11 2020
Quant Method : I:\VOLATILES\VOA108\2020\200702A\V108_200623N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jun 24 10:26:22 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2020\200702A\V08200702A01.D
Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37)	1,1,1-Trichloroethane	0.000		0	N.D.		
39)	2-Butanone	0.000		0	N.D.		
41)	Benzene	0.000		0	N.D.		
44)	1,2-Dichloroethane	0.000		0	N.D.		
47)	Methyl cyclohexane	0.000		0	N.D. d		
48)	Trichloroethene	5.595	95	917906	145.801	ug/L	93
51)	1,2-Dichloropropane	0.000		0	N.D.		
54)	Bromodichloromethane	0.000		0	N.D.		
57)	1,4-Dioxane	0.000		0	N.D.		
58)	cis-1,3-Dichloropropene	0.000		0	N.D.		
61)	Toluene	0.000		0	N.D.		
62)	4-Methyl-2-pentanone	0.000		0	N.D.		
63)	Tetrachloroethene	7.522	166	1578	0.304	ug/L	87
65)	trans-1,3-Dichloropropene	0.000		0	N.D.		
68)	1,1,2-Trichloroethane	0.000		0	N.D.		
69)	Chlorodibromomethane	0.000		0	N.D.		
71)	1,2-Dibromoethane	0.000		0	N.D.		
72)	2-Hexanone	0.000		0	N.D.		
73)	Chlorobenzene	0.000		0	N.D.		
74)	Ethylbenzene	0.000		0	N.D.		
76)	p/m Xylene	0.000		0	N.D.		
77)	o Xylene	0.000		0	N.D.		
78)	Styrene	0.000		0	N.D.		
80)	Bromoform	0.000		0	N.D.		
82)	Isopropylbenzene	0.000		0	N.D.		
87)	1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
100)	1,3-Dichlorobenzene	0.000		0	N.D.		
101)	1,4-Dichlorobenzene	0.000		0	N.D.		
104)	1,2-Dichlorobenzene	0.000		0	N.D.		
106)	1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
109)	1,2,4-Trichlorobenzene	0.000		0	N.D.		
111)	1,2,3-Trichlorobenzene	0.000		0	N.D.		

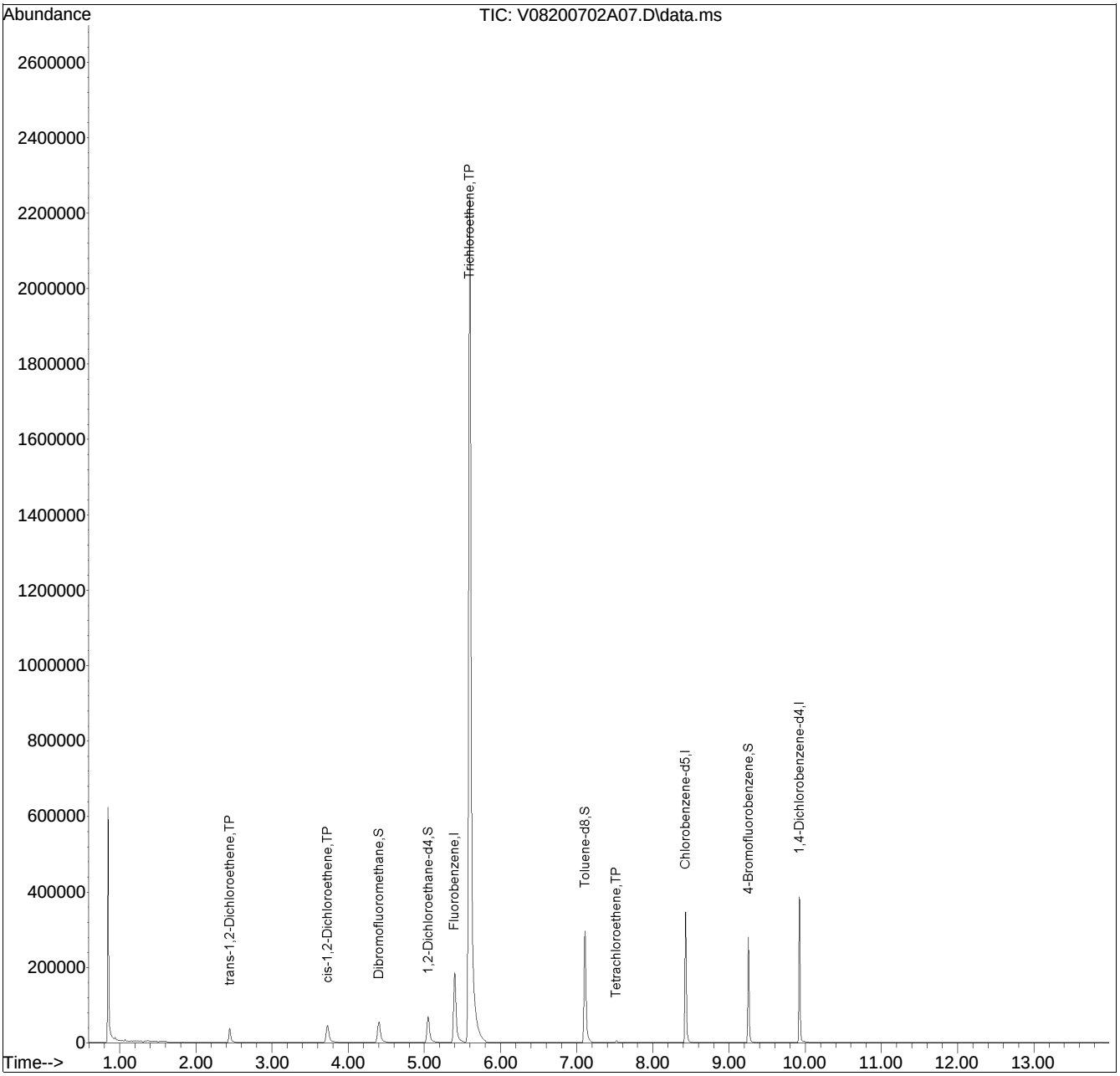
(#) = qualifier out of range (m) = manual integration (+) = signals summed

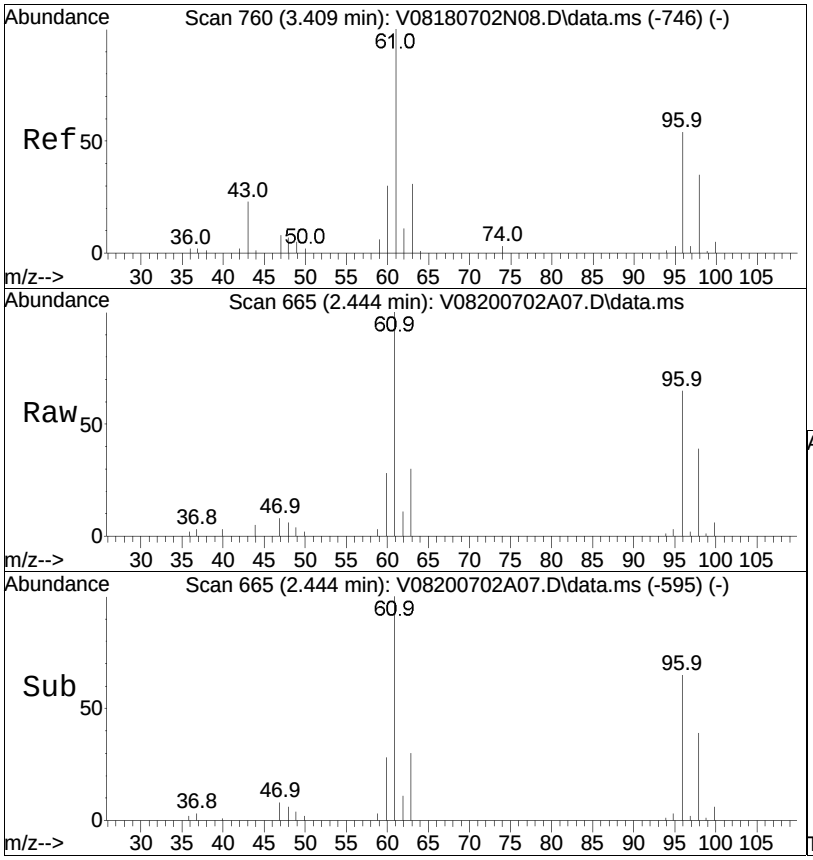
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2020\200702A\
Data File : V08200702A07.D
Acq On : 2 Jul 2020 9:13 am
Operator : VOA108:PD
Sample : l2027694-02D,31,0.25,10,,c
Misc : WG1388512,ICAL16918
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 02 09:43:11 2020
Quant Method : I:\VOLATILES\VOA108\2020\200702A\V108_200623N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jun 24 10:26:22 2020
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox00702A\V08200702A01.D•

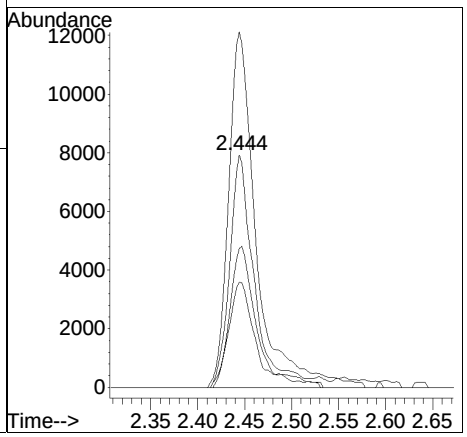


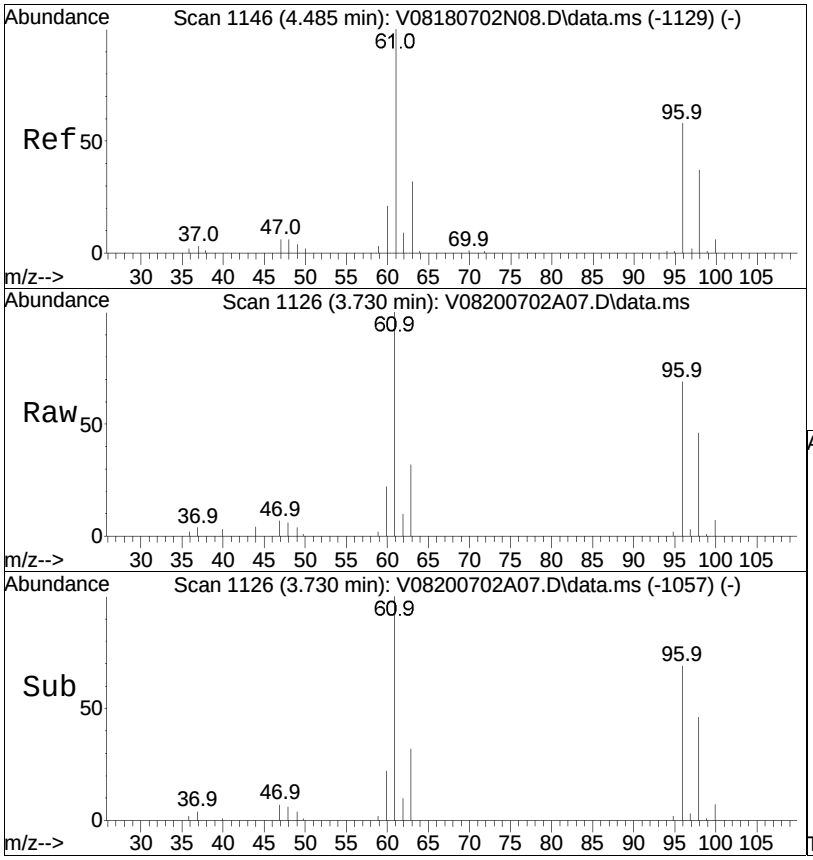


#18
trans-1,2-Dichloroethene
Concen: 2.83 ug/L M1
RT: 2.444 min Scan# 665
Delta R.T. -0.006 min
Lab File: V08200702A07.D
Acq: 2 Jul 2020 9:13 am

Tgt Ion: 96 Resp: 15299

Ion	Ratio	Lower	Upper
96	100		
61	161.2	124.0	257.6
98	57.8	41.2	85.6
63	43.3	38.4	79.7

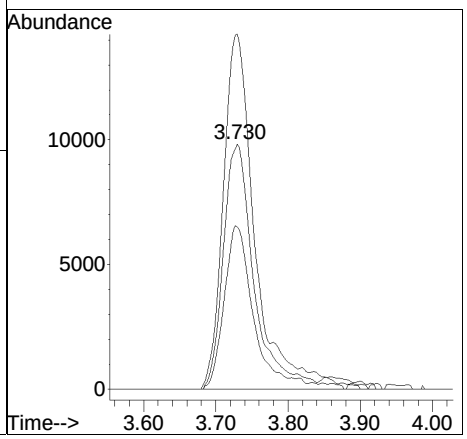


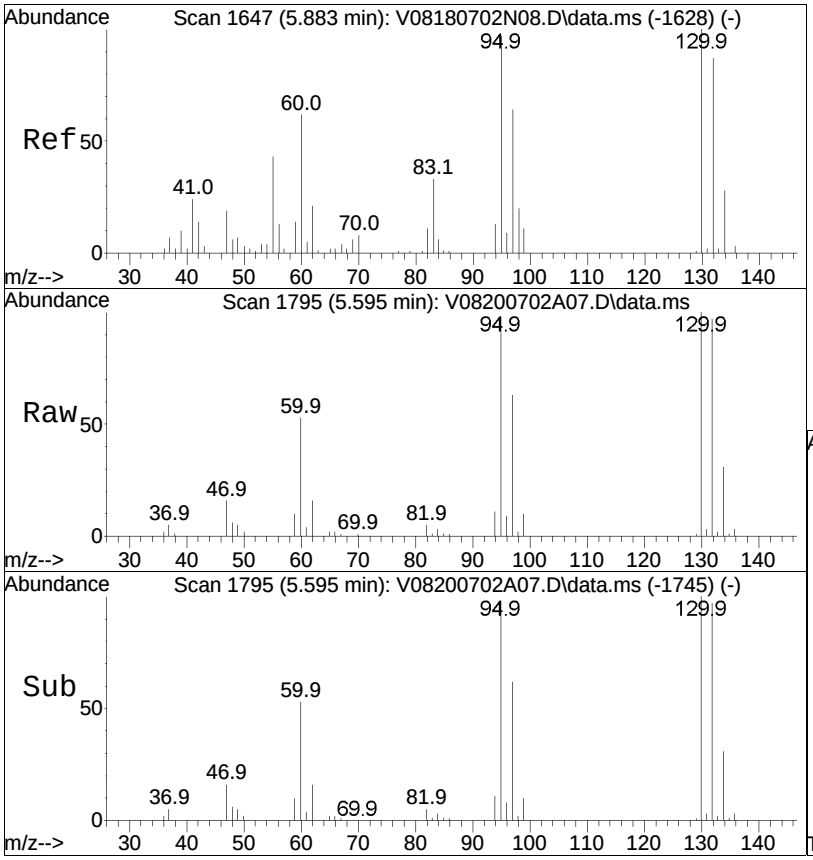


#28
cis-1,2-Dichloroethene
Concen: 5.01 ug/L M1
RT: 3.730 min Scan# 1126
Delta R.T. -0.008 min
Lab File: V08200702A07.D
Acq: 2 Jul 2020 9:13 am

Tgt Ion: 96 Resp: 30241

Ion	Ratio	Lower	Upper
96	100		
61	137.2	149.4	224.2#
98	59.4	53.4	80.2

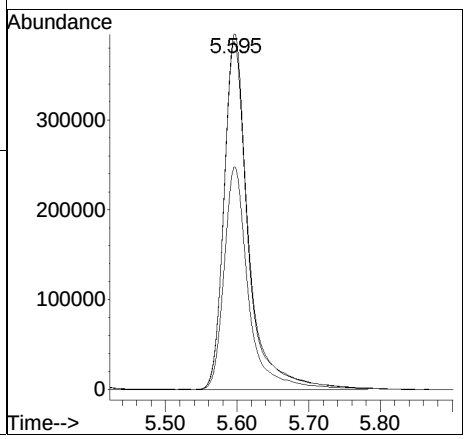


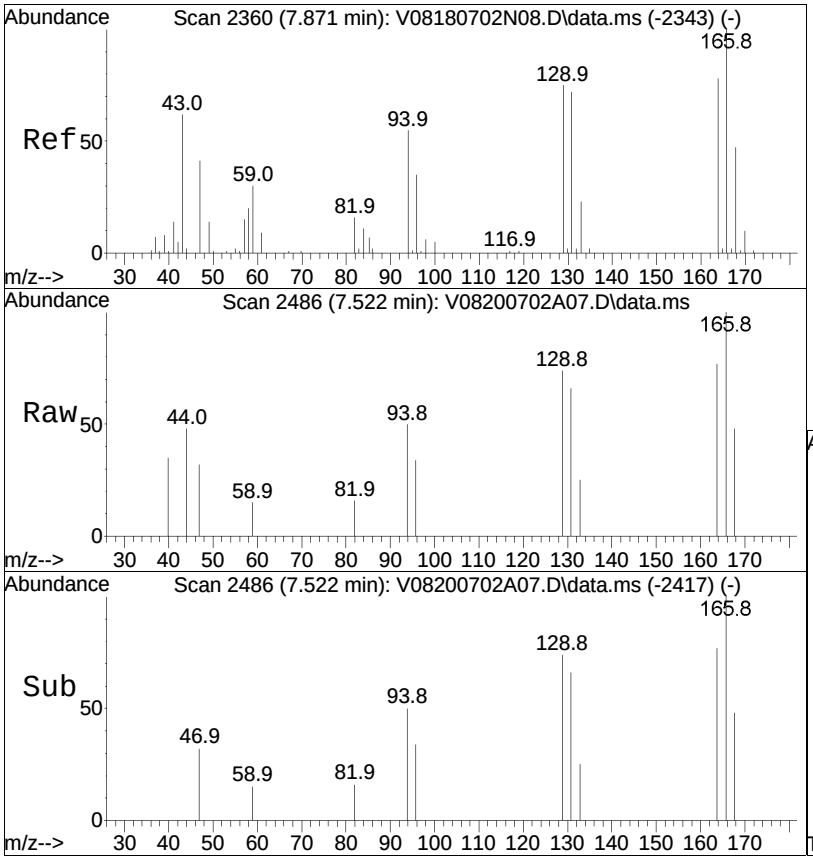


#48
Trichloroethene
Concen: 145.80 ug/L
RT: 5.595 min Scan# 1795
Delta R.T. -0.011 min
Lab File: V08200702A07.D
Acq: 2 Jul 2020 9:13 am

Tgt Ion: 95 Resp: 917906

Ion	Ratio	Lower	Upper
95	100		
97	64.0	55.5	83.3
130	102.8	76.6	115.0

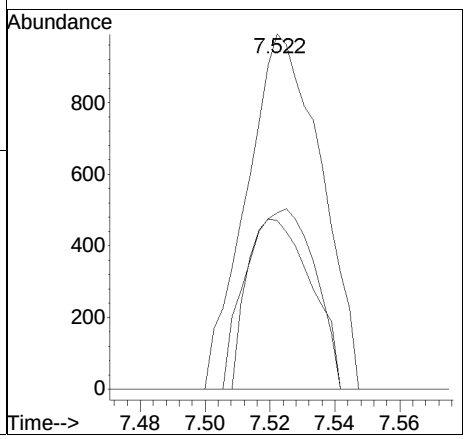




#63
Tetrachloroethene
Concen: 0.30 ug/L
RT: 7.522 min Scan# 2486
Delta R.T. -0.009 min
Lab File: V08200702A07.D
Acq: 2 Jul 2020 9:13 am

Tgt Ion:166 Resp: 1578

Ion	Ratio	Lower	Upper
166	100		
168	41.1	28.2	68.2
94	46.9	38.4	78.4

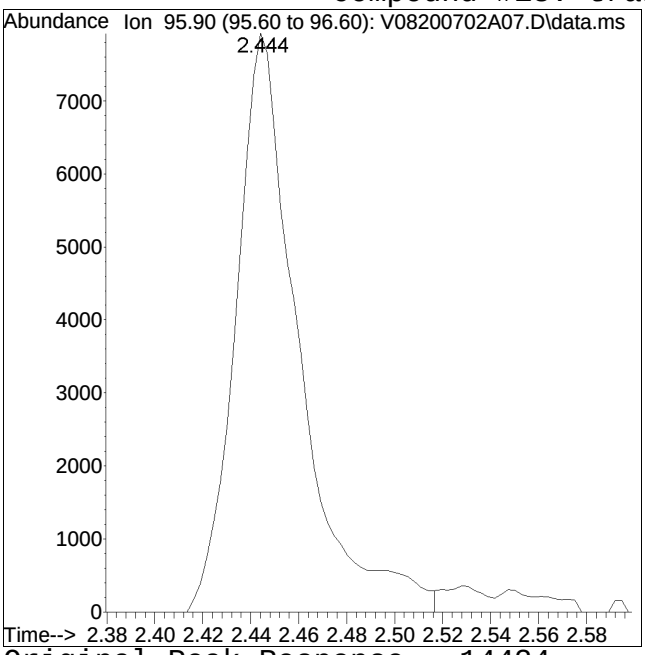


Manual Integration Report

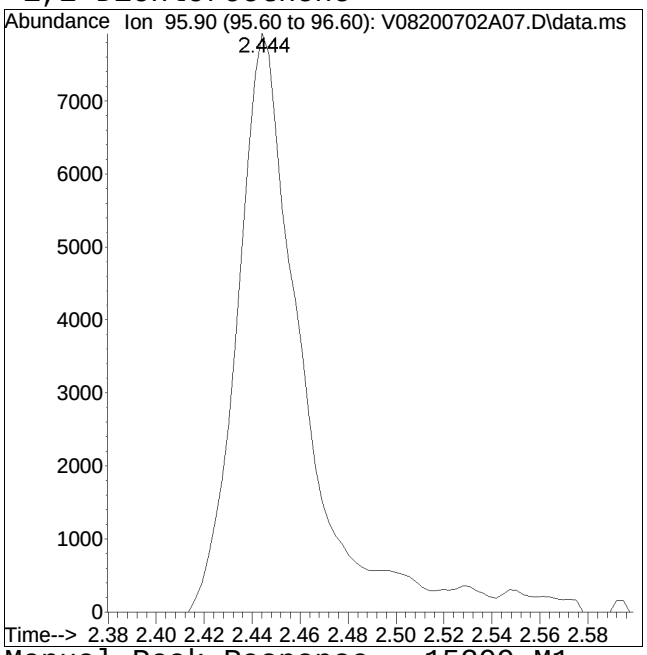
Data Path : I:\VOLATILES\VOA108\2020\2Q
Data File : V08200702A07.D
Date Inj'd : 7/2/2020 9:13 am
Sample : l2027694-02D,31,0.25,10,,c

Method : V108_200623N_8260.m
Operator : VOA108:PD
Instrument : VOA 108
Quant Date : 7/2/2020 9:42 am

Compound #18: trans-1,2-Dichloroethene



Original Peak Response = 14424



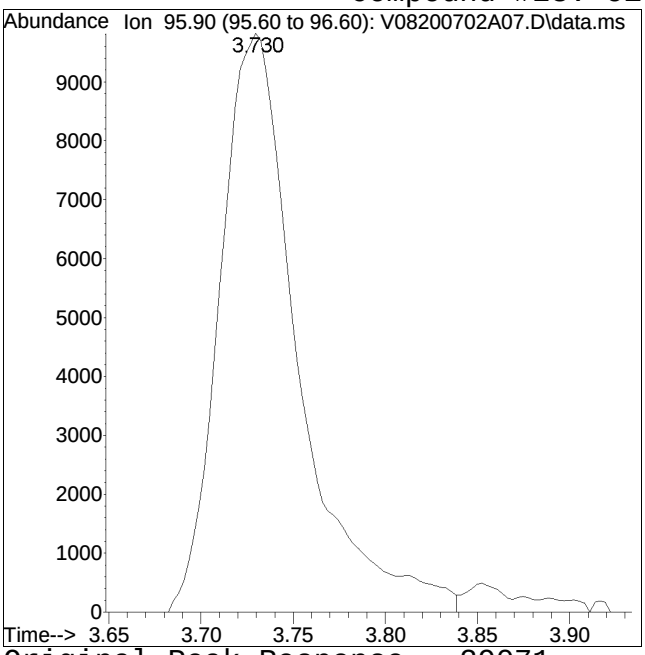
Manual Peak Response = 15299 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

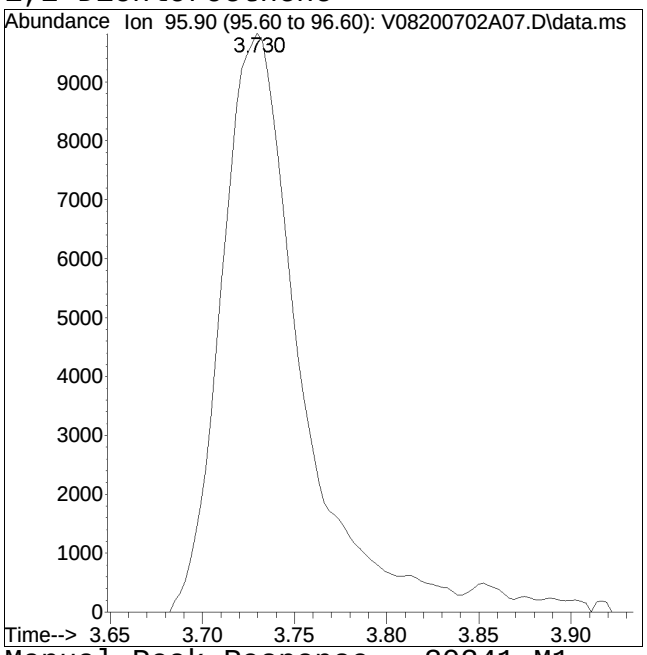
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200702A07.D Operator : VOA108:PD
Date Inj'd : 7/2/2020 9:13 am Instrument : VOA 108
Sample : l2027694-02D,31,0.25,10,,cQuant Date : 7/2/2020 9:42 am

Compound #28: cis-1,2-Dichloroethene



Original Peak Response = 29071



Manual Peak Response = 30241 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

LSC Area Percent Report

Data Path : I:\VOLATILES\VOA108\2020\200702A\
Data File : V08200702A07.D
Acq On : 2 Jul 2020 9:13 am
Operator : VOA108:PD
Sample : l2027694-02D,31,0.25,10,,c
Misc : WG1388512,ICAL16918
ALS Vial : 7 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 500 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : I:\VOLATILES\VOA108\2020\200702A\V108_200623N_8260.m
Title : VOLATILES BY GC/MS

Signal : TIC: V08200702A07.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	0.941	122	126	154	rVB2	9359	15612	0.29%	0.192%
2	1.027	154	157	167	rVV6	2271	2566	0.05%	0.031%
3	1.072	168	173	181	rVB4	4700	4085	0.08%	0.050%
4	1.337	264	268	270	rBV4	1445	1024	0.02%	0.013%
5	1.833	440	446	457	rVB3	1693	2116	0.04%	0.026%
6	2.444	652	665	699	rBV	38205	73572	1.37%	0.903%
7	3.730	1107	1126	1161	rBV3	45157	129294	2.42%	1.587%
8	4.405	1347	1368	1411	rBV2	55473	164619	3.08%	2.021%
9	5.049	1582	1599	1642	rBV2	69050	181259	3.39%	2.225%
10	5.397	1703	1724	1776	rBV	184947	449354	8.40%	5.516%
11	5.595	1776	1795	1890	rVB	2248571	5351637	100.00%	65.693%
12	7.110	2323	2338	2382	rBV	296533	552525	10.32%	6.782%
13	7.522	2476	2486	2501	rVB6	5305	8374	0.16%	0.103%
14	8.345	2771	2781	2786	rBV2	290	545	0.01%	0.007%
15	8.429	2800	2811	2838	rBV	346836	459804	8.59%	5.644%
16	8.593	2865	2870	2875	rBV3	871	720	0.01%	0.009%
17	8.883	2965	2974	2978	rVB2	554	572	0.01%	0.007%
18	9.254	3097	3107	3137	rBV	279882	325186	6.08%	3.992%
19	9.346	3138	3140	3148	rVB4	1074	1079	0.02%	0.013%
20	9.421	3162	3167	3171	rBV2	842	545	0.01%	0.007%
21	9.706	3263	3269	3276	rVB2	575	557	0.01%	0.007%
22	9.923	3336	3347	3369	rBV	386419	414879	7.75%	5.093%
23	10.096	3405	3409	3419	rVB4	817	818	0.02%	0.010%
24	10.520	3553	3561	3567	rBV2	382	517	0.01%	0.006%
25	12.210	4164	4167	4172	rBV3	710	737	0.01%	0.009%
26	12.634	4316	4319	4328	rVB3	597	514	0.01%	0.006%
27	12.790	4370	4375	4382	rBV3	477	518	0.01%	0.006%
28	12.977	4433	4442	4446	rBV4	851	1107	0.02%	0.014%

LSC Area Percent Report

Data Path : I:\VOLATILES\VOA108\2020\200702A\
Data File : V08200702A07.D
Acq On : 2 Jul 2020 9:13 am
Operator : VOA108:PD
Sample : l2027694-02D,31,0.25,10,,c
Misc : WG1388512,ICAL16918
ALS Vial : 7 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 500 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : I:\VOLATILES\VOA108\2020\200702A\V108_200623N_8260.m
Title : VOLATILES BY GC/MS

29	13.576	4651	4657	4661	rBV3	707	801	0.01%	0.010%
30	13.727	4703	4711	4714	rBV4	540	612	0.01%	0.008%
31	13.872	4759	4763	4770	rBV4	892	932	0.02%	0.011%

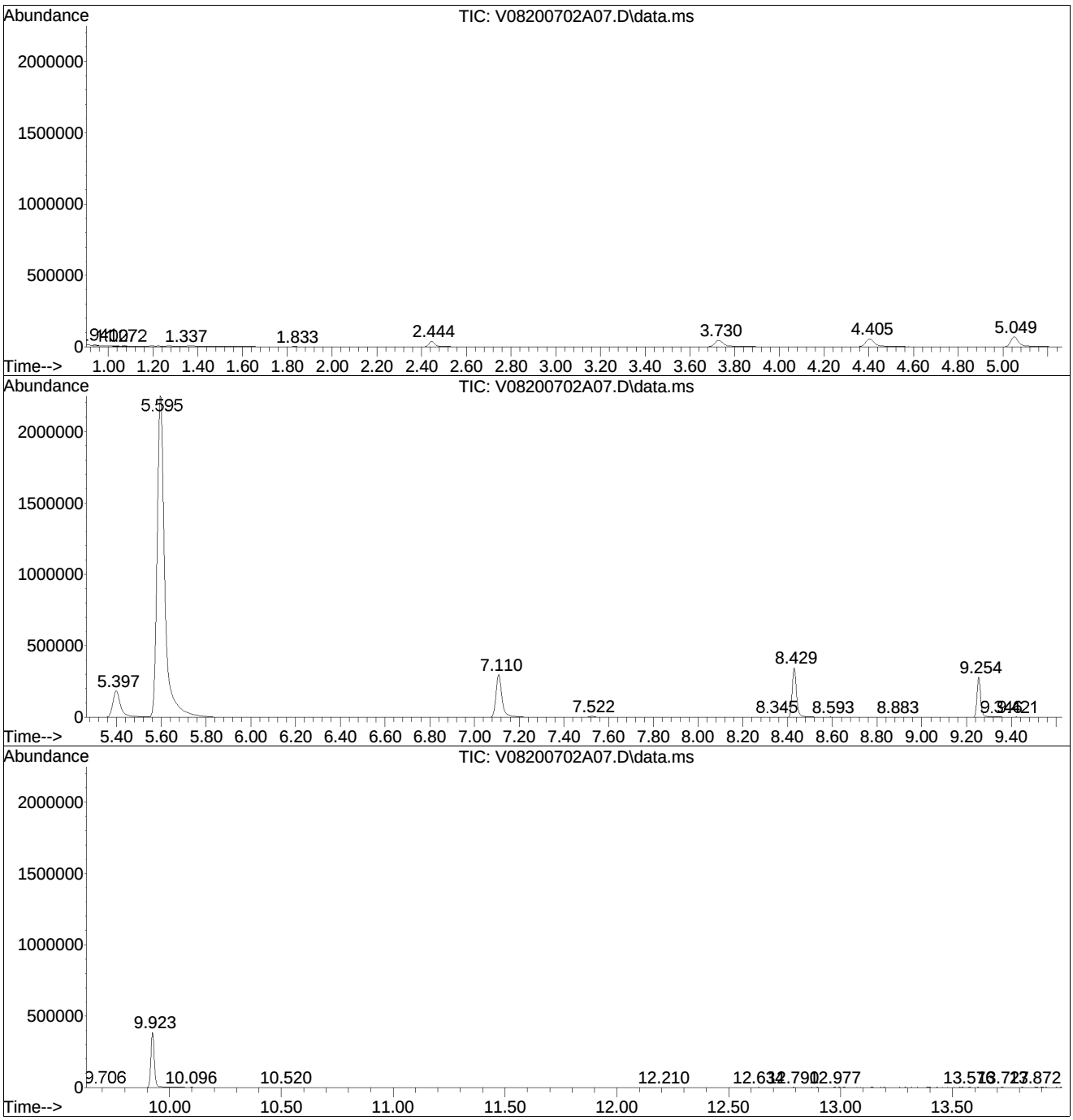
Sum of corrected areas: 8146480

LSC Report - Integrated Chromatogram

Data Path : I:\VOLATILES\VOA108\2020\200702A\
Data File : V08200702A07.D
Acq On : 2 Jul 2020 9:13 am
Operator : VOA108:PD
Sample : l2027694-02D,31,0.25,10,,c
Misc : WG1388512,ICAL16918
ALS Vial : 7 Sample Multiplier: 1

Quant Method : I:\VOLATILES\VOA108\2020\200702A\V108_200623N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p



Library Search Compound Report

Data Path : I:\VOLATILES\VOA108\2020\200702A\
Data File : V08200702A07.D
Acq On : 2 Jul 2020 9:13 am
Operator : VOA108:PD
Sample : l2027694-02D,31,0.25,10,,c
Misc : WG1388512,ICAL16918
ALS Vial : 7 Sample Multiplier: 1

Quant Method : I:\VOLATILES\VOA108\2020\200702A\V108_200623N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : I:\VOLATILES\VOA108\2020\200702A\
Data File : V08200702A07.D
Acq On : 2 Jul 2020 9:13 am
Operator : VOA108:PD
Sample : l2027694-02D,31,0.25,10,,c
Misc : WG1388512,ICAL16918
ALS Vial : 7 Sample Multiplier: 1

Quant Method : I:\VOLATILES\VOA108\2020\200702A\V108_200623N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2020\200702A\
Data File : V08200702A08.D
Acq On : 2 Jul 2020 9:35 am
Operator : VOA108:PD
Sample : l2027694-09D,31,0.4,10,,c
Misc : WG1388512,ICAL16918
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 02 10:34:12 2020
Quant Method : I:\VOLATILES\VOA108\2020\200702A\V108_200623N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jun 24 10:26:22 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2020\200702A\V08200702A01.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.400	96	202962	10.000	ug/L	0.00
Standard Area 1 = 204273			Recovery = 99.36%			
59) Chlorobenzene-d5	8.431	117	139976	10.000	ug/L	0.00
Standard Area 1 = 143225			Recovery = 97.73%			
79) 1,4-Dichlorobenzene-d4	9.923	152	61880	10.000	ug/L	0.00
Standard Area 1 = 66393			Recovery = 93.20%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.404	113	51228	9.385	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 93.85%			
43) 1,2-Dichloroethane-d4	5.049	65	64780	10.822	ug/L	-0.01
Spiked Amount 10.000	Range 70 - 130		Recovery = 108.22%			
60) Toluene-d8	7.109	98	192166	10.609	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 106.09%			
83) 4-Bromofluorobenzene	9.254	95	66321	10.189	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.89%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	0.000		0	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	0.000		0	N.D. d		
6) Chloroethane	0.000		0	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	0.000		0	N.D.		
12) Freon-113	0.000		0	N.D.		
15) Methylene chloride	0.000		0	N.D.		
17) Acetone	0.000		0	N.D.		
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
19) Methyl acetate	0.000		0	N.D.		
20) Methyl tert-butyl ether	0.000		0	N.D.		
23) 1,1-Dichloroethane	0.000		0	N.D.		
28) cis-1,2-Dichloroethene	3.732	96	4062	0.680	ug/L	84
30) Bromochloromethane	0.000		0	N.D.		
31) Cyclohexane	0.000		0	N.D.		
32) Chloroform	0.000		0	N.D.		
34) Carbon tetrachloride	0.000		0	N.D.		

Data Path : I:\VOLATILES\VOA108\2020\200702A\
Data File : V08200702A08.D
Acq On : 2 Jul 2020 9:35 am
Operator : VOA108:PD
Sample : l2027694-09D,31,0.4,10,,c
Misc : WG1388512,ICAL16918
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 02 10:34:12 2020
Quant Method : I:\VOLATILES\VOA108\2020\200702A\V108_200623N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jun 24 10:26:22 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2020\200702A\V08200702A01.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1,1,1-Trichloroethane	0.000		0	N.D.		
39) 2-Butanone	0.000		0	N.D.		
41) Benzene	0.000		0	N.D.		
44) 1,2-Dichloroethane	0.000		0	N.D.		
47) Methyl cyclohexane	0.000		0	N.D. d		
48) Trichloroethene	5.595	95	1088102	174.553	ug/L	93
51) 1,2-Dichloropropane	0.000		0	N.D.		
54) Bromodichloromethane	0.000		0	N.D.		
57) 1,4-Dioxane	0.000		0	N.D.		
58) cis-1,3-Dichloropropene	0.000		0	N.D.		
61) Toluene	0.000		0	N.D.		
62) 4-Methyl-2-pentanone	0.000		0	N.D.		
63) Tetrachloroethene	7.522	166	12078	2.418	ug/L	88
65) trans-1,3-Dichloropropene	0.000		0	N.D.		
68) 1,1,2-Trichloroethane	0.000		0	N.D.		
69) Chlorodibromomethane	0.000		0	N.D.		
71) 1,2-Dibromoethane	0.000		0	N.D.		
72) 2-Hexanone	0.000		0	N.D.		
73) Chlorobenzene	0.000		0	N.D.		
74) Ethylbenzene	0.000		0	N.D.		
76) p/m Xylene	0.000		0	N.D.		
77) o Xylene	0.000		0	N.D.		
78) Styrene	0.000		0	N.D.		
80) Bromoform	0.000		0	N.D.		
82) Isopropylbenzene	0.000		0	N.D.		
87) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
100) 1,3-Dichlorobenzene	0.000		0	N.D.		
101) 1,4-Dichlorobenzene	0.000		0	N.D.		
104) 1,2-Dichlorobenzene	0.000		0	N.D.		
106) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
109) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
111) 1,2,3-Trichlorobenzene	0.000		0	N.D.		

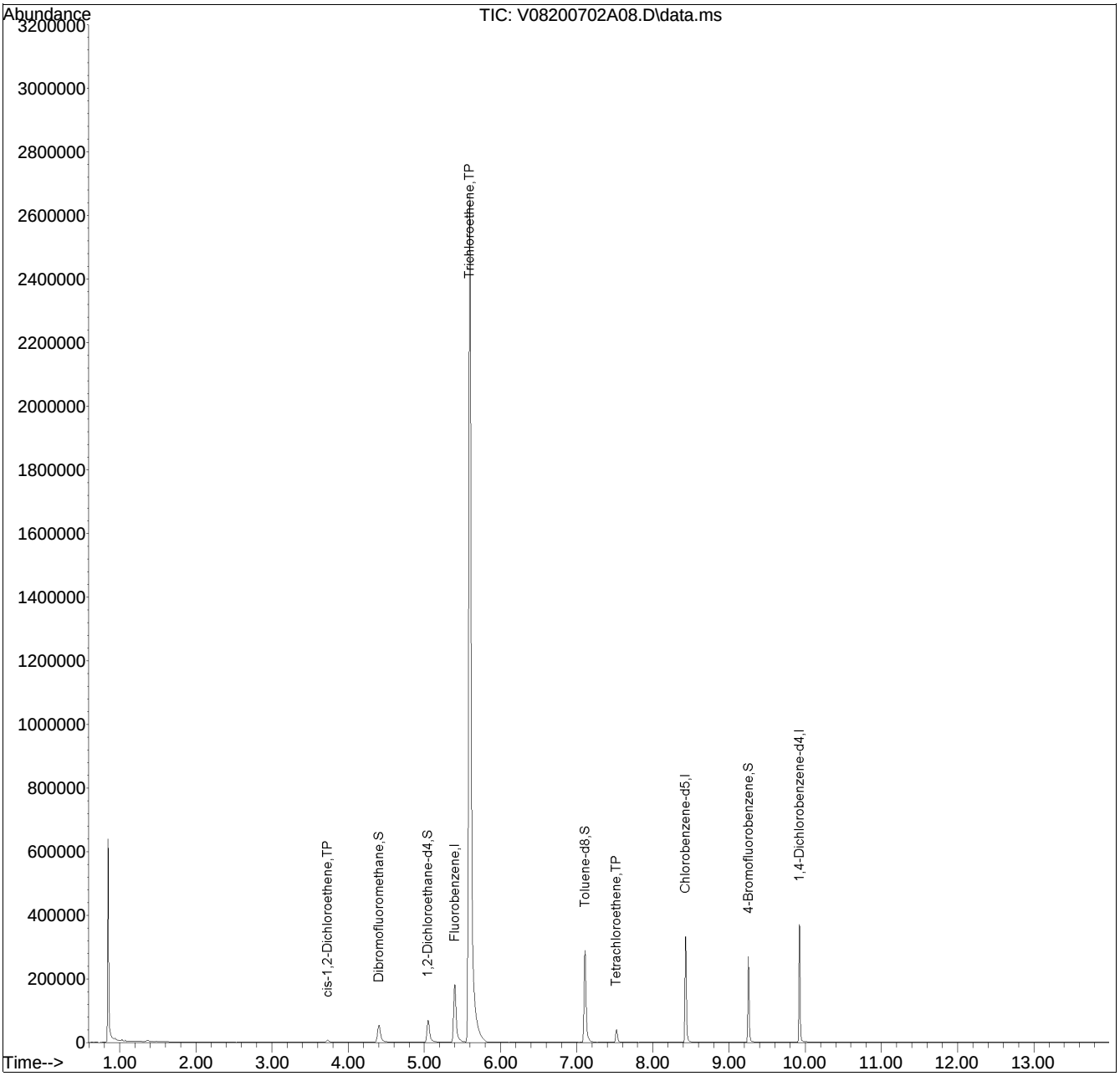
(#) = qualifier out of range (m) = manual integration (+) = signals summed

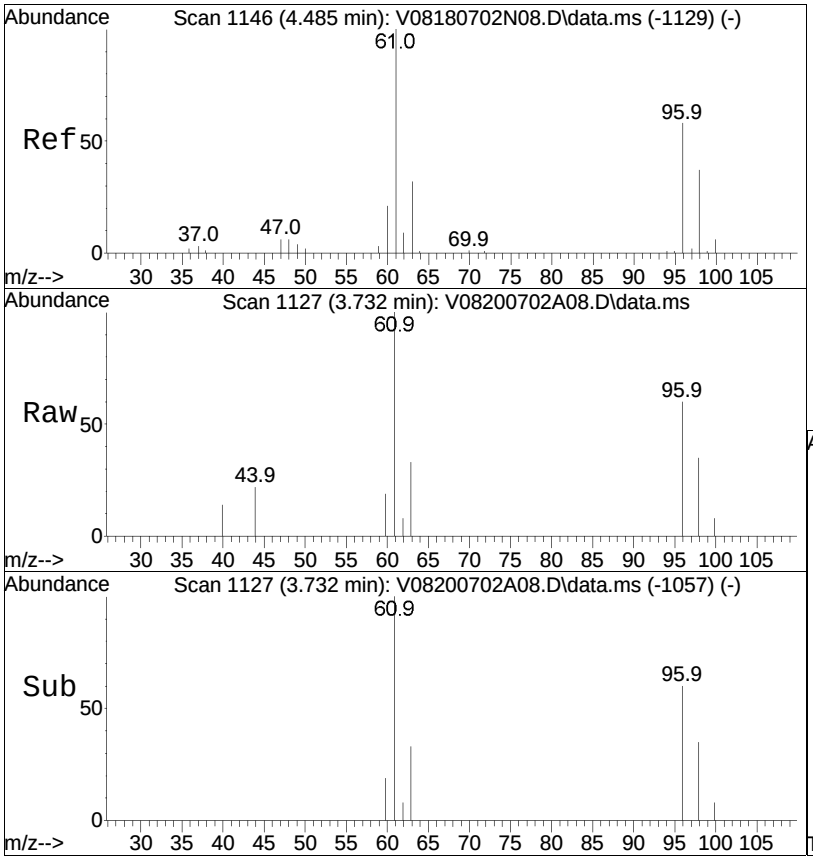
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2020\200702A\
Data File : V08200702A08.D
Acq On : 2 Jul 2020 9:35 am
Operator : VOA108:PD
Sample : l2027694-09D,31,0.4,10,,c
Misc : WG1388512,ICAL16918
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 02 10:34:12 2020
Quant Method : I:\VOLATILES\VOA108\2020\200702A\V108_200623N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jun 24 10:26:22 2020
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox00702A\V08200702A01.D•

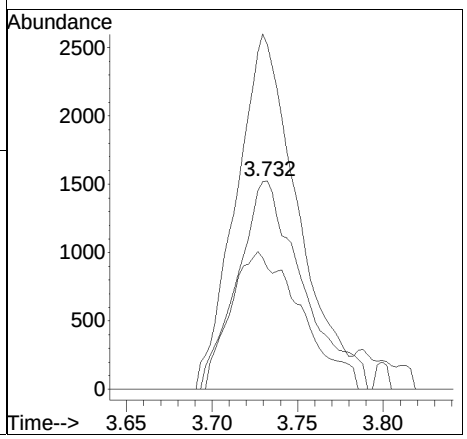


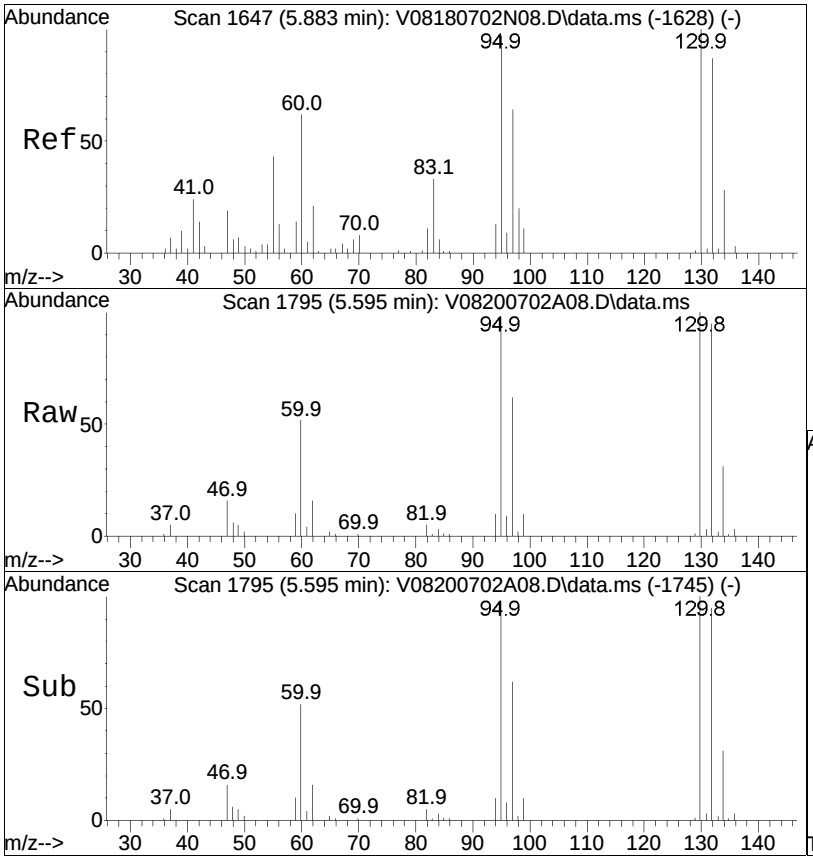


#28
cis-1,2-Dichloroethene
Concen: 0.68 ug/L
RT: 3.732 min Scan# 1127
Delta R.T. -0.006 min
Lab File: V08200702A08.D
Acq: 2 Jul 2020 9:35 am

Tgt Ion: 96 Resp: 4062

Ion	Ratio	Lower	Upper
96	100		
61	158.5	149.4	224.2
98	71.6	53.4	80.2

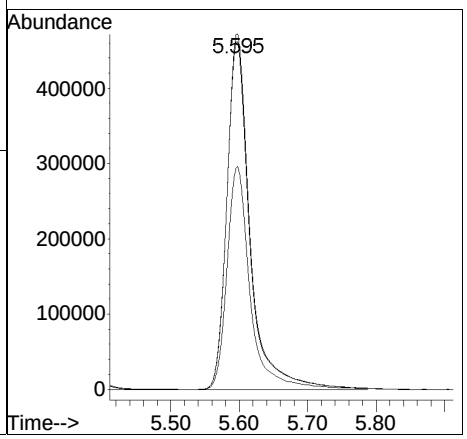


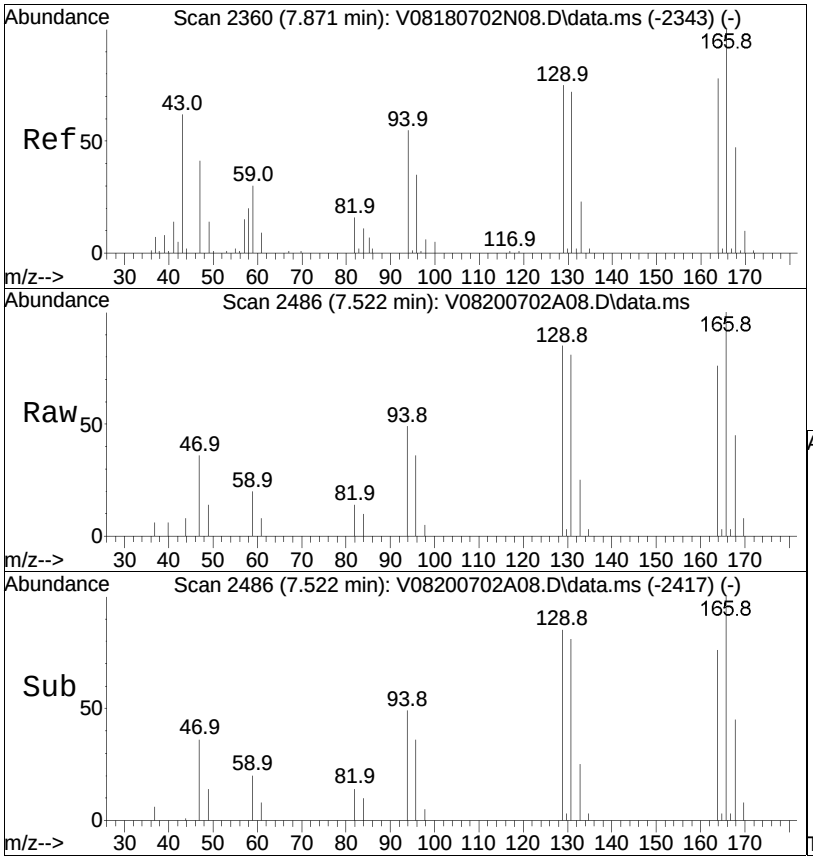


#48
Trichloroethene
Concen: 174.55 ug/L
RT: 5.595 min Scan# 1795
Delta R.T. -0.011 min
Lab File: V08200702A08.D
Acq: 2 Jul 2020 9:35 am

Tgt Ion: 95 Resp: 1088102

Ion	Ratio	Lower	Upper
95	100		
97	64.0	55.5	83.3
130	102.2	76.6	115.0

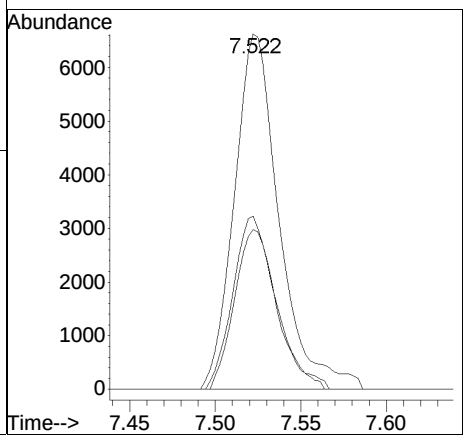




#63
Tetrachloroethene
Concen: 2.42 ug/L
RT: 7.522 min Scan# 2486
Delta R.T. -0.009 min
Lab File: V08200702A08.D
Acq: 2 Jul 2020 9:35 am

Tgt Ion:166 Resp: 12078

Ion	Ratio	Lower	Upper
166	100		
168	42.9	28.2	68.2
94	46.3	38.4	78.4



Manual Integration Report

Data Path	: I:\VOLATILES\VOA108\2020\2	QMethod	: V108_200623N_8260.m
Data File	: V08200702A08.D	Operator	: VOA108:PD
Date Inj'd	: 7/2/2020 9:35 am	Instrument	: VOA 108
Sample	: l2027694-09D,31,0.4,10,,c	Quant Date	: 7/2/2020 10:33 am

There are no manual integrations or false positives in this file.

LSC Area Percent Report

Data Path : I:\VOLATILES\VOA108\2020\200702A\
Data File : V08200702A08.D
Acq On : 2 Jul 2020 9:35 am
Operator : VOA108:PD
Sample : l2027694-09D,31,0.4,10,,c
Misc : WG1388512,ICAL16918
ALS Vial : 8 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 500 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : I:\VOLATILES\VOA108\2020\200702A\V108_200623N_8260.m
Title : VOLATILES BY GC/MS

Signal : TIC: V08200702A08.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	0.941	122	126	153	rVB2	9003	16083	0.25%	0.180%
2	1.030	153	158	168	rVV3	5542	6748	0.11%	0.075%
3	1.072	169	173	182	rVB3	3987	3624	0.06%	0.040%
4	1.373	264	281	289	rBV8	3465	8714	0.14%	0.097%
5	2.048	514	523	532	rBV	347	581	0.01%	0.006%
6	2.302	606	614	620	rVB2	508	730	0.01%	0.008%
7	2.377	630	641	646	rBV4	764	1370	0.02%	0.015%
8	2.447	662	666	671	rVB3	676	554	0.01%	0.006%
9	3.730	1110	1126	1149	rBV2	6880	18167	0.29%	0.203%
10	4.296	1322	1329	1333	rBV3	546	696	0.01%	0.008%
11	4.404	1348	1368	1409	rBV	53883	160723	2.54%	1.795%
12	5.049	1578	1599	1637	rBV2	70486	181687	2.87%	2.029%
13	5.400	1704	1725	1775	rBV	182051	446257	7.05%	4.983%
14	5.598	1775	1796	1888	rVB	2666153	6329098	100.00%	70.667%
15	7.109	2322	2338	2384	rBV	288703	540873	8.55%	6.039%
16	7.522	2471	2486	2509	rBV2	41670	71689	1.13%	0.800%
17	8.428	2800	2811	2839	rBV	333370	448227	7.08%	5.005%
18	8.883	2970	2974	2985	rVB2	542	560	0.01%	0.006%
19	9.254	3097	3107	3136	rBV	270027	314319	4.97%	3.509%
20	9.346	3136	3140	3150	rVB5	1191	1627	0.03%	0.018%
21	9.427	3167	3169	3180	rVB3	555	616	0.01%	0.007%
22	9.851	3314	3321	3326	rBV2	523	566	0.01%	0.006%
23	9.923	3337	3347	3373	rBV	370744	397020	6.27%	4.433%
24	10.063	3395	3397	3403	rVB3	1173	787	0.01%	0.009%
25	10.085	3403	3405	3422	rVB4	680	1239	0.02%	0.014%
26	11.744	3991	4000	4008	rBV2	340	562	0.01%	0.006%
27	12.129	4131	4138	4144	rBV3	480	687	0.01%	0.008%
28	12.383	4223	4229	4234	rBV3	478	561	0.01%	0.006%

LSC Area Percent Report

Data Path : I:\VOLATILES\VOA108\2020\200702A\
Data File : V08200702A08.D
Acq On : 2 Jul 2020 9:35 am
Operator : VOA108:PD
Sample : l2027694-09D,31,0.4,10,,c
Misc : WG1388512,ICAL16918
ALS Vial : 8 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 500 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : I:\VOLATILES\VOA108\2020\200702A\V108_200623N_8260.m
Title : VOLATILES BY GC/MS

29	12.787	4369	4374	4378	rBV6	679	615	0.01%	0.007%
30	13.328	4565	4568	4577	rBV3	505	588	0.01%	0.007%
31	13.615	4659	4671	4674	rBV4	554	693	0.01%	0.008%

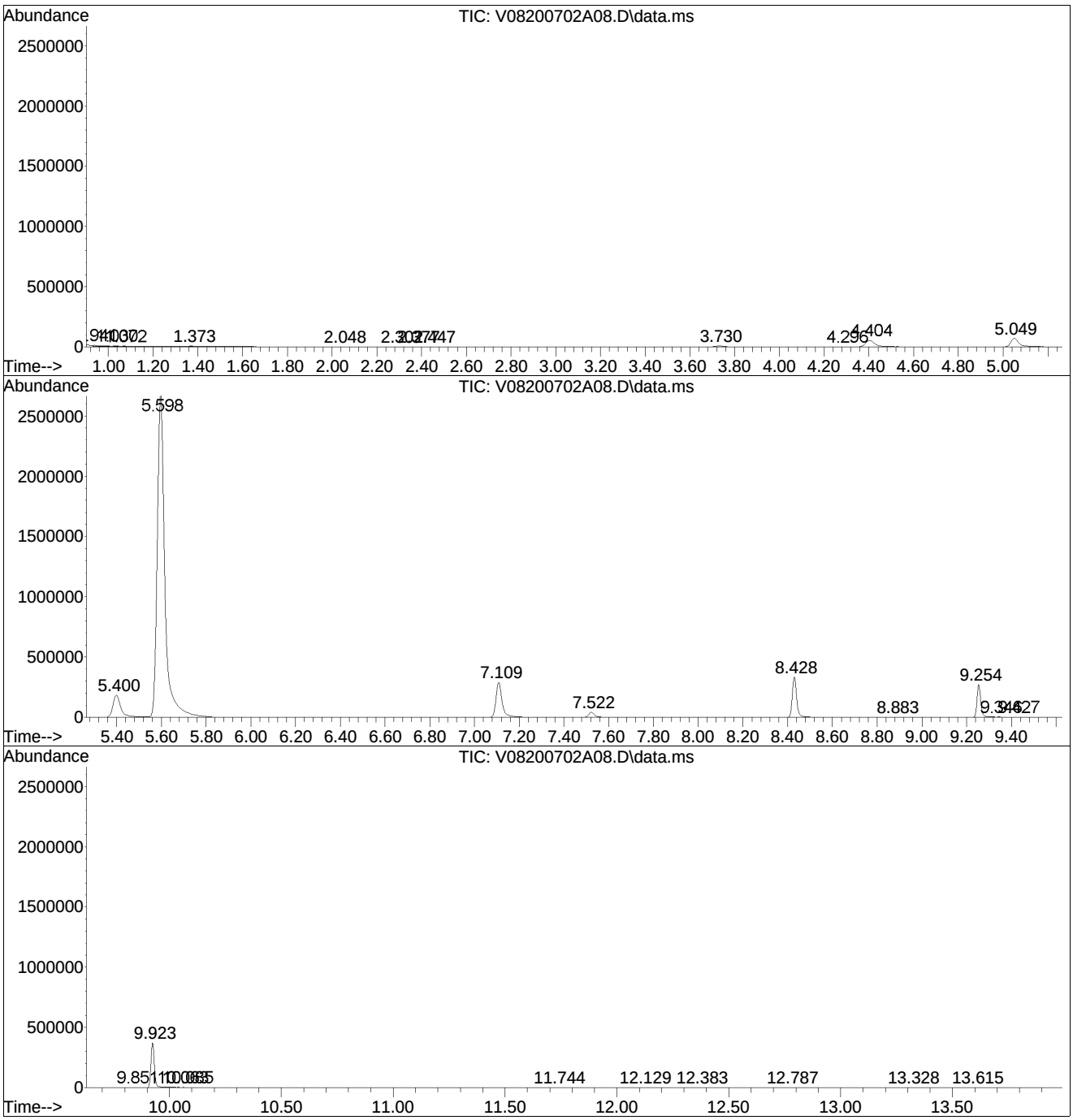
Sum of corrected areas: 8956261

LSC Report - Integrated Chromatogram

Data Path : I:\VOLATILES\VOA108\2020\200702A\
Data File : V08200702A08.D
Acq On : 2 Jul 2020 9:35 am
Operator : VOA108:PD
Sample : l2027694-09D,31,0.4,10,,c
Misc : WG1388512,ICAL16918
ALS Vial : 8 Sample Multiplier: 1

Quant Method : I:\VOLATILES\VOA108\2020\200702A\V108_200623N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p



Library Search Compound Report

Data Path : I:\VOLATILES\VOA108\2020\200702A\
Data File : V08200702A08.D
Acq On : 2 Jul 2020 9:35 am
Operator : VOA108:PD
Sample : l2027694-09D,31,0.4,10,,c
Misc : WG1388512,ICAL16918
ALS Vial : 8 Sample Multiplier: 1

Quant Method : I:\VOLATILES\VOA108\2020\200702A\V108_200623N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : I:\VOLATILES\VOA108\2020\200702A\
Data File : V08200702A08.D
Acq On : 2 Jul 2020 9:35 am
Operator : VOA108:PD
Sample : l2027694-09D,31,0.4,10,,c
Misc : WG1388512,ICAL16918
ALS Vial : 8 Sample Multiplier: 1

Quant Method : I:\VOLATILES\VOA108\2020\200702A\V108_200623N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

						Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Volatiles Standards Data

Initial Calibration

Initial Calibration Summary
Form 6
Volatiles

Client	**: LaBella Associates, P.C.**	**Lab Number**	**: L2027694**
Project Name	**: FORMER WOLLENSACK OPTICAL**	**Project Number**	**: 2182207**
Instrument ID	**: ELAINE**	**Ical Ref**	**: ICAL16849**
Calibration dates	**: 06/02/20 15:42 06/02/20 19:01**		

Calibration Files

L11 =VE200602N05.D L1 =VE200602N07.D L2 =VE200602N09.D L3 =VE200602N10.D L4 =VE200602N11.D

L6 =VE200602N12.D L8 =VE200602N13.D L10 =VE200602N14.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1)	I	Fluorobenzene	----------ISTD----------									
2)	TP	Dichlorodifluo		0.133	0.178	0.200	0.169	0.169	0.179	0.190	0.174	12.16
3)	TP	Chloromethane		0.154	0.204	0.199	0.180	0.165	0.192	0.198	0.185	10.27
4)	TC	Vinyl chloride	0.262	0.137	0.215	0.228	0.191	0.192	0.211	0.223	0.207	17.40
5)	TP	Bromomethane		0.083	0.091	0.085	0.084	0.084	0.107	0.122	0.094#	16.26
6)	TP	Chloroethane		0.109	0.135	0.137	0.115	0.108	0.118	0.119	0.120	9.68
7)	TP	Trichlorofluor		0.178	0.248	0.278	0.231	0.233	0.238	0.257	0.238	13.11
8)	TP	Ethyl ether		0.082	0.092	0.103	0.091	0.089	0.096	0.098	0.093	7.33
10)	TC	1,1-Dichloroet		0.109	0.145	0.160	0.135	0.141	0.156	0.166	0.144	13.34
11)	TP	Carbon disulfide		0.269	0.345	0.356	0.327	0.327	0.357	0.389	0.339	10.98
12)	TP	Freon-113		0.122	0.154	0.172	0.144	0.146	0.161	0.172	0.153	11.58
13)	TP	Iodomethane		0.010	0.041	0.073	0.100	0.132	0.161		*Q	0.9997
14)	TP	Acrolein		0.028	0.028	0.033	0.028	0.027	0.029	0.028	0.029#	6.90
15)	TP	Methylene chlo		0.198	0.182	0.178	0.162	0.159	0.175	0.179	0.176	7.26
17)	TP	Acetone			0.039	0.041	0.039	0.039	0.040	0.039	0.039#	2.42
18)	TP	trans-1,2-Dich		0.115	0.158	0.175	0.148	0.148	0.168	0.179	0.156	14.05
19)	TP	Methyl acetate			0.125	0.120	0.112	0.107	0.114	0.111	0.115	5.96
20)	TP	Methyl tert butyl ether		0.380	0.450	0.482	0.453	0.444	0.487	0.487	0.455	8.34
21)	TP	tert-Butyl alc		0.014	0.015	0.018	0.017	0.016	0.017	0.016	0.016#	7.94
22)	TP	Diisopropyl ether		0.615	0.655	0.703	0.632	0.608	0.686	0.699	0.657	6.08
23)	TP	1,1-Dichloroet		0.263	0.345	0.362	0.312	0.305	0.346	0.358	0.327	10.92
24)	TP	Halothane		0.104	0.150	0.141	0.126	0.127	0.141	0.148	0.134	12.01
25)	TP	Acrylonitrile		0.059	0.048	0.054	0.052	0.050	0.053	0.052	0.052	6.87
26)	TP	Ethyl tert-but		0.610	0.628	0.670	0.620	0.592	0.667	0.671	0.637	5.07
27)	TP	Vinyl acetate		0.561	0.416	0.458	0.429	0.424	0.454	0.461	0.458	10.76
28)	TP	cis-1,2-Dichlo		0.149	0.181	0.192	0.174	0.167	0.187	0.195	0.178	9.06
29)	TP	2,2-Dichloropr		0.225	0.264	0.274	0.241	0.227	0.252	0.261	0.249	7.59
30)	TP	Bromochloromet		0.056	0.082	0.090	0.082	0.080	0.087	0.085	0.080	14.19
31)	TP	Cyclohexane		0.261	0.363	0.362	0.304	0.305	0.336	0.362	0.327	11.92
32)	TC	Chloroform		0.256	0.307	0.318	0.283	0.267	0.306	0.324	0.294	8.84
33)	TP	Ethyl acetate			0.120	0.139	0.150	0.144	0.147	0.145	0.141	7.65
34)	TP	Carbon tetrachloride	0.232	0.154	0.227	0.249	0.219	0.217	0.241	0.255	0.224	13.98
35)	TP	Tetrahydrofuran		0.065	0.044	0.046	0.044	0.040	0.042	0.041	0.046#	19.35
36)	S	Dibromofluoromethane	0.238	0.241	0.235	0.234	0.231	0.240	0.237	0.240	0.237	1.53
37)	TP	1,1,1-Trichlor		0.232	0.284	0.297	0.261	0.256	0.283	0.301	0.274	9.08
39)	TP	2-Butanone			0.050	0.068	0.064	0.062	0.064	0.061	0.062#	9.82

Initial Calibration Summary
Form 6
Volatiles

Client	**: LaBella Associates, P.C.**	**Lab Number**	**: L2027694**
Project Name	**: FORMER WOLLENSACK OPTICAL**	**Project Number**	**: 2182207**
Instrument ID	**: ELAINE**	**Ical Ref**	**: ICAL16849**
Calibration dates	**: 06/02/20 15:42 06/02/20 19:01**		

Calibration Files
L11 =VE200602N05.D L1 =VE200602N07.D L2 =VE200602N09.D L3 =VE200602N10.D L4 =VE200602N11.D
L6 =VE200602N12.D L8 =VE200602N13.D L10 =VE200602N14.D

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
40) TP	1,1-Dichloropr		0.172	0.232	0.232	0.212	0.209	0.233	0.246	0.219	11.14
41) TP	Benzene	0.966	0.617	0.717	0.752	0.679	0.656	0.741	0.763	0.736	14.32
42) TP	Tertiary-Amyl Methyl Ether		0.436	0.501	0.558	0.505	0.490	0.536	0.545	0.510	8.11
43) S	1,2-Dichloroethane-d4	0.291	0.299	0.295	0.289	0.290	0.290	0.286	0.284	0.290	1.63
44) TP	1,2-Dichloroet		0.201	0.245	0.248	0.234	0.227	0.248	0.255	0.237	7.80
47) TP	Methyl cyclohe		0.228	0.315	0.331	0.271	0.277	0.298	0.326	0.292	12.55
48) TP	Trichloroethene	0.269	0.133	0.166	0.187	0.164	0.163	0.179	0.191	*Q	0.9990
50) TP	Dibromomethane		0.080	0.093	0.098	0.094	0.092	0.100	0.101	0.094	7.40
51) TC	1,2-Dichloropr		0.165	0.191	0.208	0.188	0.180	0.202	0.206	0.192	8.01
53) TP	2-Chloroethyl		0.110	0.112	0.125	0.119	0.119	0.126	0.124	0.119	5.45
54) TP	Bromodichlorom		0.185	0.218	0.242	0.222	0.218	0.246	0.252	0.226	10.14
57) TP	1,4-Dioxane		0.001	0.001	0.001	0.002	0.001	0.001	0.001	0.001#	8.06
58) TP	cis-1,3-Dichlo		0.231	0.264	0.303	0.283	0.276	0.303	0.309	0.281	9.82
59) I	Chlorobenzene-d5	----------ISTD----------									
60) S	Toluene-d8	1.330	1.329	1.319	1.295	1.324	1.304	1.322	1.353	1.322	1.32
61) TC	Toluene		0.545	0.632	0.658	0.607	0.564	0.628	0.680	0.616	7.85
62) TP	4-Methyl-2-pen		0.069	0.078	0.090	0.083	0.078	0.082	0.084	0.081#	7.90
63) TP	Tetrachloroethene		0.227	0.284	0.276	0.255	0.236	0.260	0.289	0.261	9.05
65) TP	trans-1,3-Dich		0.249	0.314	0.354	0.343	0.327	0.360	0.383	0.333	13.00
67) TP	Ethyl methacry		0.234	0.252	0.294	0.284	0.271	0.290	0.300	0.275	8.77
68) TP	1,1,2-Trichlor		0.140	0.151	0.171	0.160	0.150	0.163	0.171	0.158	7.32
69) TP	Chlorodibromom		0.179	0.207	0.237	0.229	0.221	0.243	0.255	0.224	11.23
70) TP	1,3-Dichloropr		0.306	0.332	0.375	0.343	0.327	0.353	0.369	0.344	7.13
71) TP	1,2-Dibromoethane		0.162	0.189	0.206	0.194	0.183	0.197	0.206	0.191	8.01
72) TP	2-Hexanone		0.200	0.166	0.154	0.146	0.137	0.141	0.145	0.156	13.91
73) TP	Chlorobenzene		0.573	0.652	0.709	0.639	0.606	0.667	0.704	0.650	7.63
74) TC	Ethylbenzene		1.018	1.165	1.239	1.136	1.052	1.153	1.209	1.139	6.99
75) TP	1,1,1,2-Tetrac		0.191	0.214	0.251	0.228	0.221	0.243	0.261	0.230	10.41
76) TP	p/m Xylene		0.368	0.474	0.483	0.432	0.409	0.445	0.472	0.440	9.39
77) TP	o Xylene		0.350	0.429	0.467	0.425	0.396	0.431	0.449	0.421	9.08
78) TP	Styrene		0.558	0.722	0.782	0.728	0.673	0.725	0.724	0.702	10.08
79) I	1,4-Dichlorobenzene-d4	----------ISTD----------									
80) TP	Bromoform		0.221	0.258	0.292	0.286	0.282	0.298	0.299	0.276	10.20
82) TP	Isopropylbenzene		1.934	2.550	2.499	2.237	2.111	2.245	2.282	2.265	9.38
83) S	4-Bromofluorobenzene	1.027	1.059	1.070	1.029	1.034	1.023	1.003	1.005	1.031	2.28
84) TP	Bromobenzene		0.451	0.608	0.612	0.542	0.517	0.557	0.576	0.552	10.18

Initial Calibration Summary
Form 6
Volatiles

Client	**: LaBella Associates, P.C.**	**Lab Number**	**: L2027694**
Project Name	**: FORMER WOLLENSACK OPTICAL**	**Project Number**	**: 2182207**
Instrument ID	**: ELAINE**	**Ical Ref**	**: ICAL16849**
Calibration dates	**: 06/02/20 15:42 06/02/20 19:01**		

Calibration Files
L11 =VE200602N05.D L1 =VE200602N07.D L2 =VE200602N09.D L3 =VE200602N10.D L4 =VE200602N11.D
L6 =VE200602N12.D L8 =VE200602N13.D L10 =VE200602N14.D

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
85) TP	n-Propylbenzene		2.169	2.893	2.881	2.558	2.437	2.568	2.600	2.587	9.72
86) TP	1,4-Dichlorobu		0.709	0.758	0.814	0.746	0.714	0.746	0.753	0.748	4.59
87) TP	1,1,2,2-Tetrac		0.436	0.455	0.504	0.454	0.443	0.463	0.465	0.460	4.80
88) TP	4-Ethyltoluene		1.899	2.373	2.432	2.185	2.100	2.219	2.280	2.213	8.05
89) TP	2-Chlorotoluene		1.572	1.998	1.995	1.815	1.721	1.840	1.906	1.835	8.32
90) TP	1,3,5-Trimethy		1.703	2.018	2.083	1.837	1.759	1.881	1.951	1.890	7.24
91) TP	1,2,3-Trichlor		0.357	0.379	0.417	0.391	0.375	0.388	0.395	0.386	4.81
92) TP	trans-1,4-Dich		0.106	0.140	0.156	0.139	0.135	0.142	0.147	0.138	11.28
93) TP	4-Chlorotoluene		1.450	1.775	1.782	1.616	1.556	1.673	1.725	1.654	7.36
94) TP	tert-Butylbenzene		1.654	2.022	1.931	1.822	1.746	1.851	1.934	1.851	6.73
95) TP	Pentachloroethane		0.200	0.295	0.190	0.349	0.344	0.354	0.372	*Q	0.9968
97) TP	1,2,4-Trimethy		1.582	1.992	2.004	1.830	1.764	1.897	1.966	1.862	8.15
98) TP	sec-Butylbenzene		1.879	2.466	2.615	2.256	2.160	2.254	2.379	2.287	10.29
99) TP	p-Isopropyltol		1.687	2.155	2.214	1.927	1.869	1.977	2.094	1.989	9.15
100) TP	1,3-Dichlorobe		0.807	1.097	1.129	1.015	0.970	1.054	1.108	1.026	10.85
101) TP	1,4-Dichlorobe		0.964	1.066	1.105	1.010	0.970	1.048	1.098	1.037	5.54
102) TP	p-Diethylbenzene		1.072	1.239	1.298	1.139	1.121	1.200	1.307	1.196	7.53
103) TP	n-Butylbenzene		1.439	1.782	1.971	1.693	1.647	1.741	1.887	1.737	9.93
104) TP	1,2-Dichlorobe		0.903	1.054	1.065	0.969	0.907	0.987	1.031	0.988	6.72
105) TP	1,2,4,5-Tetram		1.581	2.001	2.058	1.863	1.805	1.936	2.026	1.896	8.74
106) TP	1,2-Dibromo-3-		0.066	0.075	0.074	0.073	0.075	0.078	0.082	0.074	6.69
107) TP	1,3,5-Trichlor		0.689	0.771	0.781	0.723	0.702	0.769	0.825	0.752	6.45
108) TP	Hexachlorobuta		0.222	0.296	0.313	0.246	0.245	0.263	0.316	0.272	13.60
109) TP	1,2,4-Trichlor		0.566	0.640	0.711	0.658	0.654	0.711	0.757	0.671	9.24
110) TP	Naphthalene		1.285	1.418	1.617	1.543	1.528	1.620	1.659	1.524	8.68
111) TP	1,2,3-Trichlor		0.489	0.620	0.635	0.603	0.596	0.646	0.684	0.611	10.01

Initial Calibration Summary
Form 6
Volatiles

Client	**: LaBella Associates, P.C.**	**Lab Number**	**: L2027694**
Project Name	**: FORMER WOLLENSACK OPTICAL**	**Project Number**	**: 2182207**
Instrument ID	**: VOA122**	**Ical Ref**	**: ICAL16903**
Calibration dates	**: 06/17/20 16:01 06/17/20 20:10**		

Calibration Files
L11 =V22200617N03.D L1 =V22200617N05.D L2 =V22200617N08.D L3 =V22200617N09.D L4 =V22200617N10.D
L6 =V22200617N11.D L8 =V22200617N12.D L10 =V22200617N13.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1)	I	Fluorobenzene	----------ISTD----------									
2)	TP	Dichlorodifluo		0.141	0.193	0.192	0.221	0.215	0.211	0.205	0.197	13.74
3)	TP	Chloromethane		0.241	0.249	0.250	0.266	0.261	0.258	0.249	0.253	3.31
4)	TC	Vinyl chloride	0.314	0.173	0.207	0.209	0.235	0.228	0.228	0.219	0.227	17.67
5)	TP	Bromomethane		0.103	0.096	0.097	0.116	0.120	0.125	0.122	0.111	11.02
6)	TP	Chloroethane		0.124	0.123	0.119	0.127	0.121	0.116	0.107	0.120	5.40
7)	TP	Trichlorofluor		0.256	0.318	0.312	0.355	0.336	0.328	0.308	0.316	9.75
8)	TP	Ethyl ether		0.090	0.101	0.103	0.108	0.103	0.103	0.098	0.101	5.40
10)	TC	1,1-Dichloroet		0.180	0.206	0.201	0.219	0.202	0.195	0.183	0.198	6.76
11)	TP	Carbon disulfide		0.477	0.526	0.497	0.518	0.490	0.477	0.450	0.491	5.28
12)	TP	Freon-113		0.158	0.210	0.207	0.229	0.208	0.203	0.193	0.201	10.88
13)	TP	Iodomethane		0.208	0.271	0.336	0.363	0.339	0.325	0.305	0.307	17.11
14)	TP	Acrolein		0.040	0.030	0.031	0.029	0.027	0.027	0.027	0.030#	15.24
15)	TP	Methylene chlo		0.202	0.224	0.217	0.222	0.211	0.208	0.202	0.212	4.18
17)	TP	Acetone			0.051	0.039	0.041	0.037	0.038	0.039	0.041#	12.34
18)	TP	trans-1,2-Dich		0.193	0.239	0.224	0.231	0.219	0.213	0.201	0.217	7.59
19)	TP	Methyl acetate			0.121	0.125	0.122	0.112	0.112	0.104	0.116	7.07
21)	TP	Methyl tert butyl ether		0.463	0.494	0.483	0.477	0.453	0.448	0.433	0.464	4.60
22)	TP	tert-Butyl alc		0.013	0.013	0.012	0.012	0.011	0.011	0.013	0.012#	7.37
24)	TP	Diisopropyl ether		0.681	0.743	0.735	0.741	0.712	0.708	0.676	0.714	3.87
25)	TP	1,1-Dichloroet		0.359	0.409	0.394	0.404	0.390	0.385	0.367	0.387	4.78
26)	TP	Halothane		0.158	0.203	0.196	0.210	0.202	0.199	0.189	0.194	8.83
27)	TP	Acrylonitrile		0.053	0.064	0.060	0.058	0.055	0.056	0.055	0.057	6.21
28)	TP	Ethyl tert-but		0.632	0.676	0.680	0.687	0.658	0.651	0.618	0.658	3.89
29)	TP	Vinyl acetate		0.506	0.440	0.414	0.397	0.387	0.398	0.387	0.419	10.26
30)	TP	cis-1,2-Dichlo		0.215	0.252	0.243	0.248	0.235	0.230	0.218	0.234	6.13
31)	TP	2,2-Dichloropr		0.285	0.306	0.267	0.294	0.275	0.268	0.254	0.278	6.35
32)	TP	Bromochloromet		0.123	0.131	0.129	0.128	0.120	0.118	0.111	0.123	5.67
33)	TP	Cyclohexane		0.357	0.457	0.425	0.457	0.428	0.421	0.399	0.421	8.24
34)	TC	Chloroform		0.333	0.392	0.362	0.366	0.351	0.350	0.333	0.355	5.80
35)	TP	Ethyl acetate		0.142	0.168	0.164	0.163	0.158	0.159	0.156	0.159	5.33
36)	TP	Carbon tetrachloride	0.484	0.283	0.349	0.327	0.354	0.339	0.335	0.323	0.349	16.78
37)	TP	Tetrahydrofuran			0.081	0.060	0.056	0.052	0.052	0.052	0.059	19.01
38)	S	Dibromofluoromethane	0.279	0.282	0.287	0.282	0.280	0.274	0.274	0.265	0.278	2.37
39)	TP	1,1,1-Trichlor		0.298	0.357	0.338	0.357	0.340	0.335	0.319	0.335	6.29
41)	TP	2-Butanone			0.074	0.068	0.067	0.063	0.064	0.065	0.067#	5.58

Initial Calibration Summary
Form 6
Volatiles

Client	**: LaBella Associates, P.C.**	**Lab Number**	**: L2027694**
Project Name	**: FORMER WOLLENSACK OPTICAL**	**Project Number**	**: 2182207**
Instrument ID	**: VOA122**	**Ical Ref**	**: ICAL16903**
Calibration dates	**: 06/17/20 16:01 06/17/20 20:10**		

Calibration Files
L11 =V22200617N03.D L1 =V22200617N05.D L2 =V22200617N08.D L3 =V22200617N09.D L4 =V22200617N10.D
L6 =V22200617N11.D L8 =V22200617N12.D L10 =V22200617N13.D

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
42) TP	1,1-Dichloropr		0.230	0.280	0.264	0.287	0.277	0.272	0.260	0.267	7.11
44) TP	Benzene	1.139	0.733	0.893	0.851	0.872	0.853	0.837	0.798	0.872	13.61
45) TP	Tertiary-Amyl Methyl Ether		0.509	0.553	0.590	0.597	0.575	0.574	0.552	0.564	5.24
46) S	1,2-Dichloroethane-d4	0.274	0.279	0.250	0.253	0.250	0.248	0.253	0.251	0.257	4.68
47) T	1,2-Dichloroet		0.295	0.312	0.280	0.282	0.272	0.272	0.260	0.282	6.08
50) TP	Methyl cyclohe		0.308	0.371	0.367	0.409	0.392	0.385	0.364	0.371	8.65
51) TP	Trichloroethene	0.345	0.206	0.236	0.225	0.239	0.233	0.228	0.217	0.241	17.93
53) TP	Dibromomethane		0.121	0.129	0.120	0.123	0.121	0.121	0.117	0.122	2.87
54) TC	1,2-Dichloropr		0.206	0.229	0.226	0.229	0.224	0.225	0.217	0.222	3.69
56) TP	2-Chloroethyl		0.124	0.130	0.137	0.140	0.134	0.134	0.130	0.133	4.01
57) TP	Bromodichlorom		0.263	0.279	0.277	0.287	0.282	0.281	0.273	0.277	2.79
60) TP	1,4-Dioxane		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001#	8.83
61) TP	cis-1,3-Dichlo		0.295	0.339	0.337	0.354	0.345	0.345	0.354	0.338	5.95
62) I	Chlorobenzene-d5	----------ISTD----------									
63) S	Toluene-d8	1.350	1.371	1.376	1.367	1.367	1.394	1.389	1.425	1.380	1.66
64) TC	Toluene		0.602	0.698	0.680	0.705	0.693	0.689	0.673	0.677	5.18
65) TP	4-Methyl-2-pen		0.073	0.081	0.080	0.079	0.077	0.079	0.078	0.078#	3.41
66) TP	Tetrachloroethene		0.264	0.329	0.322	0.341	0.337	0.335	0.326	0.322	8.22
68) TP	trans-1,3-Dich		0.333	0.349	0.341	0.353	0.344	0.343	0.334	0.342	2.14
70) TP	Ethyl methacry		0.262	0.269	0.259	0.264	0.255	0.257	0.251	0.260	2.29
71) TP	1,1,2-Trichlor		0.162	0.173	0.167	0.172	0.167	0.167	0.164	0.167	2.37
72) TP	Chlorodibromom		0.267	0.291	0.292	0.296	0.296	0.301	0.298	0.292	3.95
73) TP	1,3-Dichloropr		0.341	0.353	0.342	0.345	0.341	0.340	0.337	0.343	1.48
74) TP	1,2-Dibromoethane		0.209	0.226	0.222	0.228	0.224	0.225	0.224	0.223	2.91
76) TP	2-Hexanone		0.179	0.164	0.135	0.132	0.128	0.130	0.132	0.143	14.09
77) TP	Chlorobenzene		0.702	0.824	0.804	0.814	0.804	0.793	0.773	0.788	5.22
78) TC	Ethylbenzene		1.148	1.311	1.277	1.309	1.286	1.260	1.209	1.257	4.70
79) TP	1,1,1,2-Tetrac		0.255	0.308	0.298	0.302	0.294	0.290	0.283	0.290	6.00
80) TP	p/m Xylene		0.459	0.566	0.541	0.548	0.531	0.514	0.490	0.521	7.06
81) TP	o Xylene		0.468	0.545	0.522	0.532	0.515	0.500	0.476	0.508	5.58
82) TP	Styrene		0.751	0.891	0.860	0.855	0.822	0.795	0.741	0.816	6.96
83) I	1,4-Dichlorobenzene-d4	----------ISTD----------									
84) TP	Bromoform		0.284	0.324	0.326	0.339	0.336	0.337	0.336	0.326	5.97
86) TP	Isopropylbenzene		1.460	1.704	1.618	1.665	1.619	1.556	1.561	1.597	5.03
87) S	4-Bromofluorobenzene	0.905	0.927	0.928	0.932	0.943	0.978	0.982	1.011	0.951	3.77
88) TP	Bromobenzene		0.613	0.682	0.664	0.681	0.699	0.692	0.687	0.674	4.32

Initial Calibration Summary
Form 6
Volatiles

Client	**: LaBella Associates, P.C.**	**Lab Number**	**: L2027694**
Project Name	**: FORMER WOLLENSACK OPTICAL**	**Project Number**	**: 2182207**
Instrument ID	**: VOA122**	**Ical Ref**	**: ICAL16903**
Calibration dates	**: 06/17/20 16:01 06/17/20 20:10**		

Calibration Files
L11 =V22200617N03.D L1 =V22200617N05.D L2 =V22200617N08.D L3 =V22200617N09.D L4 =V22200617N10.D
L6 =V22200617N11.D L8 =V22200617N12.D L10 =V22200617N13.D

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
89) TP	n-Propylbenzene		2.497	3.068	2.987	3.164	3.141	3.049	2.934	2.977	7.60
90) TP	1,4-Dichlorobu		0.782	0.725	0.699	0.720	0.713	0.704	0.697	0.720	4.09
91) TP	1,1,2,2-Tetrac		0.460	0.494	0.477	0.488	0.476	0.473	0.476	0.478	2.27
92) TP	4-Ethyltoluene		2.214	2.694	2.655	2.774	2.704	2.611	2.531	2.598	7.15
93) TP	2-Chlorotoluene		1.790	2.024	1.993	2.045	2.019	1.955	1.927	1.965	4.45
94) TP	1,3,5-Trimethy		1.876	2.238	2.175	2.250	2.219	2.163	2.101	2.146	6.03
95) TP	1,2,3-Trichlor		0.355	0.376	0.369	0.368	0.361	0.361	0.360	0.364	1.89
96) TP	trans-1,4-Dich		0.136	0.149	0.135	0.139	0.139	0.140	0.137	0.139	3.28
97) TP	4-Chlorotoluene		1.666	1.835	1.795	1.845	1.859	1.809	1.779	1.798	3.60
98) TP	tert-Butylbenzene		1.661	2.040	1.957	2.064	2.051	2.002	1.964	1.963	7.11
101) TP	1,2,4-Trimethy		1.828	2.192	2.159	2.256	2.238	2.167	2.120	2.137	6.75
102) TP	sec-Butylbenzene		2.203	2.713	2.657	2.803	2.784	2.672	2.580	2.630	7.73
103) TP	p-Isopropyltol		2.343	2.775	2.682	2.744	2.677	2.590	2.522	2.619	5.70
104) TP	1,3-Dichlorobe		1.188	1.355	1.304	1.333	1.320	1.280	1.251	1.290	4.39
105) TP	1,4-Dichlorobe		1.214	1.323	1.285	1.311	1.274	1.267	1.249	1.275	2.89
106) TP	p-Diethylbenzene		1.071	1.392	1.385	1.447	1.456	1.412	1.369	1.362	9.71
107) TP	n-Butylbenzene		1.492	1.826	1.760	1.860	1.845	1.783	1.730	1.756	7.16
108) TP	1,2-Dichlorobe		1.061	1.203	1.176	1.218	1.191	1.162	1.139	1.164	4.51
109) TP	1,2,4,5-Tetram		1.603	1.971	1.930	2.009	2.021	2.006	1.965	1.929	7.64
110) TP	1,2-Dibromo-3-		0.080	0.098	0.090	0.093	0.093	0.094	0.097	0.092	6.58
111) TP	1,3,5-Trichlor		0.574	0.698	0.698	0.730	0.731	0.722	0.717	0.696	7.97
112) TP	Hexachlorobuta		0.162	0.211	0.202	0.215	0.225	0.223	0.225	0.209	10.73
113) TP	1,2,4-Trichlor		0.566	0.641	0.628	0.674	0.676	0.659	0.662	0.644	5.95
114) TP	Naphthalene		1.645	1.841	1.754	1.824	1.831	1.848	1.863	1.801	4.28
115) TP	1,2,3-Trichlor		0.519	0.593	0.572	0.604	0.610	0.601	0.600	0.585	5.44

Initial Calibration Summary
Form 6
Volatiles

Client	**: LaBella Associates, P.C.**	**Lab Number**	**: L2027694**
Project Name	**: FORMER WOLLENSACK OPTICAL**	**Project Number**	**: 2182207**
Instrument ID	**: VOA108**	**Ical Ref**	**: ICAL16918**
Calibration dates	**: 06/23/20 16:49 06/23/20 20:07**		

Calibration Files

L11 =V08200623N04.D L1 =V08200623N06.D L2 =V08200623N08.D L3 =V08200623N09.D L4 =V08200623N10.D

L6 =V08200623N11.D L8 =V08200623N12.D L10 =V08200623N13.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1)	I	Fluorobenzene	----------ISTD----------									
2)	TP	Dichlorodifluo		0.174	0.263	0.256	0.256	0.266	0.270	0.255	0.249	13.40
3)	TP	Chloromethane		0.305	0.345	0.371	0.346	0.336	0.346	0.335	0.341	5.78
4)	TC	Vinyl chloride	0.244	0.217	0.323	0.326	0.327	0.327	0.342	0.326	0.304	15.20
5)	TP	Bromomethane		0.145	0.169	0.158	0.158	0.166	0.188	0.187	0.167	9.48
6)	TP	Chloroethane		0.142	0.186	0.181	0.165	0.143	0.154	0.147	0.160	11.31
7)	TP	Trichlorofluor		0.252	0.373	0.364	0.378	0.383	0.395	0.340	0.355	13.73
8)	TP	Ethyl ether		0.108	0.138	0.134	0.127	0.129	0.136	0.136	0.130	8.08
10)	TC	1,1-Dichloroet		0.188	0.230	0.229	0.232	0.242	0.245	0.239	0.229	8.43
11)	TP	Carbon disulfide		0.469	0.649	0.670	0.665	0.673	0.700	0.661	0.641	12.06
12)	TP	Freon-113		0.130	0.238	0.242	0.236	0.240	0.247	0.238	0.224	18.66
13)	TP	Iodomethane			0.273	0.314	0.335	0.356	0.374	0.342	0.332	10.68
14)	TP	Acrolein			0.043	0.041	0.041	0.043	0.043	0.044	0.042#	3.38
15)	TP	Methylene chlo		0.328	0.325	0.269	0.264	0.266	0.274	0.260	0.284	10.48
17)	TP	Acetone			0.093	0.079	0.072	0.070	0.073	0.071	0.076#	11.40
18)	TP	trans-1,2-Dich		0.220	0.292	0.262	0.266	0.266	0.277	0.264	0.264	8.36
19)	TP	Methyl acetate			0.247	0.210	0.192	0.197	0.203	0.197	0.208	9.72
20)	TP	Methyl tert butyl ether		0.640	0.740	0.740	0.701	0.689	0.713	0.682	0.701	5.02
21)	TP	tert-Butyl alc		0.034	0.035	0.033	0.031	0.029	0.030	0.029	0.032#	8.04
22)	TP	Diisopropyl ether		1.116	1.251	1.185	1.166	1.138	1.180	1.109	1.164	4.19
23)	TP	1,1-Dichloroet		0.427	0.545	0.502	0.503	0.498	0.522	0.494	0.499	7.27
24)	TP	Halothane		0.163	0.214	0.205	0.213	0.208	0.224	0.210	0.205	9.58
25)	TP	Acrylonitrile		0.117	0.101	0.108	0.100	0.096	0.100	0.095	0.103	7.61
26)	TP	Ethyl tert-but		0.938	1.072	1.013	1.003	0.986	1.027	0.973	1.002	4.25
27)	TP	Vinyl acetate			0.535	0.709	0.704	0.747	0.775	0.740	0.702	12.18
28)	TP	cis-1,2-Dichlo		0.270	0.324	0.302	0.296	0.281	0.307	0.280	0.294	6.32
29)	TP	2,2-Dichloropr		0.336	0.414	0.387	0.389	0.376	0.388	0.366	0.379	6.35
30)	TP	Bromochloromet		0.110	0.140	0.143	0.143	0.139	0.144	0.133	0.136	9.04
31)	TP	Cyclohexane		0.406	0.537	0.538	0.554	0.551	0.568	0.535	0.527	10.37
32)	TC	Chloroform		0.556	0.537	0.495	0.470	0.464	0.486	0.463	0.496	7.45
33)	TP	Ethyl acetate		0.290	0.253	0.308	0.288	0.286	0.294	0.275	0.285	6.01
34)	TP	Carbon tetrachloride	0.310	0.273	0.380	0.360	0.353	0.354	0.372	0.354	0.345	10.23
35)	TP	Tetrahydrofuran			0.079	0.090	0.074	0.077	0.078	0.074	0.079	7.82
36)	S	Dibromofluoromethane	0.269	0.276	0.282	0.266	0.264	0.265	0.272	0.259	0.269	2.71
37)	TP	1,1,1-Trichlor		0.382	0.439	0.453	0.446	0.436	0.456	0.431	0.435	5.76
39)	TP	2-Butanone			0.105	0.123	0.125	0.122	0.139	0.129	0.124	8.76

Initial Calibration Summary
Form 6
Volatiles

Client	**: LaBella Associates, P.C.**	**Lab Number**	**: L2027694**
Project Name	**: FORMER WOLLENSACK OPTICAL**	**Project Number**	**: 2182207**
Instrument ID	**: VOA108**	**Ical Ref**	**: ICAL16918**
Calibration dates	**: 06/23/20 16:49 06/23/20 20:07**		

Calibration Files
L11 =V08200623N04.D L1 =V08200623N06.D L2 =V08200623N08.D L3 =V08200623N09.D L4 =V08200623N10.D
L6 =V08200623N11.D L8 =V08200623N12.D L10 =V08200623N13.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
40)	TP	1,1-Dichloropr		0.260	0.364	0.341	0.345	0.337	0.355	0.334	0.334	10.21
41)	TP	Benzene	1.037	0.879	1.125	1.025	1.032	1.018	1.065	1.011	1.024	6.74
42)	TP	Tertiary-Amyl Methyl Ether		0.803	0.861	0.821	0.778	0.772	0.803	0.763	0.800	4.22
43)	S	1,2-Dichloroethane-d4	0.296	0.309	0.324	0.284	0.288	0.284	0.291	0.285	0.295	4.89
44)	TP	1,2-Dichloroet		0.350	0.395	0.396	0.381	0.371	0.390	0.369	0.379	4.39
47)	TP	Methyl cyclohe		0.405	0.469	0.463	0.452	0.457	0.470	0.447	0.452	4.95
48)	TP	Trichloroethene	0.416	0.320	0.300	0.291	0.279	0.279	0.293	0.278	0.307	15.06
50)	TP	Dibromomethane		0.140	0.163	0.158	0.158	0.159	0.165	0.158	0.157	5.20
51)	TC	1,2-Dichloropr		0.271	0.335	0.308	0.312	0.308	0.319	0.304	0.308	6.27
53)	TP	2-Chloroethyl		0.164	0.196	0.201	0.195	0.195	0.204	0.195	0.193	6.76
54)	TP	Bromodichlorom		0.458	0.414	0.382	0.382	0.380	0.396	0.377	0.399	7.36
57)	TP	1,4-Dioxane		0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002#	7.67
58)	TP	cis-1,3-Dichlo		0.402	0.476	0.443	0.444	0.444	0.462	0.440	0.444	5.17
59)	I	Chlorobenzene-d5	----------ISTD----------									
60)	S	Toluene-d8	1.310	1.311	1.289	1.286	1.300	1.268	1.289	1.300	1.294	1.10
61)	TC	Toluene		0.759	0.904	0.889	0.871	0.842	0.872	0.869	0.858	5.56
62)	TP	4-Methyl-2-pen		0.179	0.167	0.155	0.149	0.141	0.143	0.141	0.154	9.58
63)	TP	Tetrachloroethene		0.262	0.385	0.378	0.366	0.361	0.375	0.371	0.357	11.92
65)	TP	trans-1,3-Dich		0.462	0.491	0.510	0.510	0.500	0.514	0.512	0.500	3.70
67)	TP	Ethyl methacry		0.489	0.462	0.428	0.420	0.405	0.415	0.408	0.432	7.25
68)	TP	1,1,2-Trichlor		0.274	0.286	0.260	0.249	0.240	0.246	0.246	0.257	6.63
69)	TP	Chlorodibromom		0.379	0.384	0.384	0.378	0.369	0.382	0.378	0.379	1.37
70)	TP	1,3-Dichloropr		0.485	0.513	0.519	0.503	0.480	0.493	0.488	0.497	2.91
71)	TP	1,2-Dibromoethane		0.300	0.315	0.314	0.312	0.303	0.309	0.305	0.308	1.89
72)	TP	2-Hexanone		0.242	0.284	0.288	0.279	0.267	0.266	0.260	0.270	5.90
73)	TP	Chlorobenzene		0.900	1.033	1.005	0.978	0.940	0.963	0.942	0.966	4.57
74)	TC	Ethylbenzene		1.322	1.689	1.666	1.636	1.568	1.592	1.546	1.574	7.78
75)	TP	1,1,1,2-Tetrac		0.314	0.375	0.377	0.372	0.358	0.365	0.358	0.360	6.04
76)	TP	p/m Xylene		0.565	0.675	0.664	0.651	0.625	0.634	0.611	0.632	5.87
77)	TP	o Xylene		0.544	0.663	0.670	0.638	0.602	0.611	0.588	0.617	7.20
78)	TP	Styrene		0.933	1.091	1.083	1.052	0.996	1.008	0.956	1.017	6.00
79)	I	1,4-Dichlorobenzene-d4	----------ISTD----------									
80)	TP	Bromoform		0.404	0.438	0.438	0.428	0.438	0.437	0.434	0.431	2.86
82)	TP	Isopropylbenzene		2.841	3.501	3.472	3.396	3.409	3.369	3.206	3.313	6.90
83)	S	4-Bromofluorobenzene	1.056	1.042	1.028	1.043	1.051	1.080	1.056	1.060	1.052	1.45
84)	TP	Bromobenzene		0.701	0.838	0.827	0.813	0.818	0.818	0.807	0.803	5.73

Initial Calibration Summary
Form 6
Volatiles

Client	**: LaBella Associates, P.C.**	**Lab Number**	**: L2027694**
Project Name	**: FORMER WOLLENSACK OPTICAL**	**Project Number**	**: 2182207**
Instrument ID	**: VOA108**	**Ical Ref**	**: ICAL16918**
Calibration dates	**: 06/23/20 16:49 06/23/20 20:07**		

Calibration Files
L11 =V08200623N04.D L1 =V08200623N06.D L2 =V08200623N08.D L3 =V08200623N09.D L4 =V08200623N10.D
L6 =V08200623N11.D L8 =V08200623N12.D L10 =V08200623N13.D

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
85) TP	n-Propylbenzene		3.290	4.054	3.964	3.912	3.861	3.828	3.622	3.790	6.81
86) TP	1,4-Dichlorobu		1.478	1.272	1.295	1.242	1.222	1.203	1.164	1.268	8.06
87) TP	1,1,2,2-Tetrac		1.012	0.831	0.793	0.756	0.748	0.746	0.739	0.804	12.13
88) TP	4-Ethyltoluene		2.756	3.479	3.432	3.334	3.340	3.301	3.147	3.256	7.50
89) TP	2-Chlorotoluene		2.408	2.801	2.741	2.676	2.636	2.626	2.528	2.631	5.00
90) TP	1,3,5-Trimethy		2.332	2.974	2.870	2.812	2.756	2.739	2.608	2.727	7.63
91) TP	1,2,3-Trichlor		0.664	0.616	0.595	0.577	0.569	0.553	0.562	0.591	6.53
92) TP	trans-1,4-Dich		0.285	0.309	0.271	0.268	0.239	0.249	0.245	0.267	9.26
93) TP	4-Chlorotoluene		2.346	2.454	2.492	2.402	2.367	2.344	2.265	2.381	3.17
94) TP	tert-Butylbenzene		2.645	3.094	3.063	2.997	2.941	2.897	2.792	2.918	5.42
95) TP	Pentachloroethane		0.437	0.484	0.500	0.507	0.498	0.499	0.497	0.489	4.89
97) TP	1,2,4-Trimethy		2.644	2.894	2.844	2.789	2.737	2.707	2.596	2.744	3.87
98) TP	sec-Butylbenzene		2.972	3.697	3.594	3.473	3.434	3.383	3.181	3.390	7.26
99) TP	p-Isopropyltol		2.651	3.381	3.280	3.201	3.131	3.096	2.955	3.099	7.74
100) TP	1,3-Dichlorobe		1.500	1.624	1.648	1.613	1.584	1.589	1.549	1.587	3.14
101) TP	1,4-Dichlorobe		1.526	1.666	1.653	1.633	1.607	1.584	1.571	1.606	3.07
102) TP	p-Diethylbenzene		1.614	1.996	1.949	1.913	1.892	1.898	1.828	1.870	6.65
103) TP	n-Butylbenzene		2.408	2.761	2.762	2.692	2.592	2.598	2.471	2.612	5.26
104) TP	1,2-Dichlorobe		1.382	1.602	1.558	1.497	1.484	1.495	1.470	1.498	4.64
105) TP	1,2,4,5-Tetram		2.828	3.044	3.093	3.053	3.075	3.103	2.997	3.027	3.13
106) TP	1,2-Dibromo-3-		0.113	0.110	0.123	0.118	0.124	0.127	0.129	0.121	5.90
107) TP	1,3,5-Trichlor		0.941	1.060	1.049	1.046	1.066	1.085	1.072	1.045	4.59
108) TP	Hexachlorobuta		0.302	0.396	0.369	0.374	0.387	0.389	0.385	0.372	8.65
109) TP	1,2,4-Trichlor		0.892	0.924	0.952	0.946	0.984	1.000	0.992	0.956	4.13
110) TP	Naphthalene		2.471	2.392	2.443	2.444	2.535	2.514	2.488	2.470	1.95
111) TP	1,2,3-Trichlor		0.768	0.837	0.848	0.857	0.889	0.900	0.895	0.856	5.37

Response Factor Report Elaine

Method Path : I:\VOLATILES\Elaine\2020\200602N\
Method File : Elaine_200602N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Wed Jun 03 14:54:28 2020
Response Via : Initial Calibration

Calibration Files
L11 =VE200602N05.D L1 =VE200602N07.D L2 =VE200602N09.D L3 =VE200602N10.D L4 =VE200602N11.D
L6 =VE200602N12.D L8 =VE200602N13.D L10 =VE200602N14.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1)	I	Fluorobenzene	----------	----------	ISTD	----------	----------	----------	----------	----------		
2)	TP	Dichlorodifluo...		0.133	0.178	0.200	0.169	0.169	0.179	0.190	0.174	12.16
3)	TP	Chloromethane		0.154	0.204	0.199	0.180	0.165	0.192	0.198	0.185	10.27
4)	TC	Vinyl chloride	0.262	0.137	0.215	0.228	0.191	0.192	0.211	0.223	0.207	17.40
5)	TP	Bromomethane		0.083	0.091	0.085	0.084	0.084	0.107	0.122	0.094#	16.26
6)	TP	Chloroethane		0.109	0.135	0.137	0.115	0.108	0.118	0.119	0.120	9.68
7)	TP	Trichlorofluor...		0.178	0.248	0.278	0.231	0.233	0.238	0.257	0.238	13.11
8)	TP	Ethyl ether		0.082	0.092	0.103	0.091	0.089	0.096	0.098	0.093	7.33
10)	TC	1,1-Dichloroet...		0.109	0.145	0.160	0.135	0.141	0.156	0.166	0.144	13.34
11)	TP	Carbon disulfide		0.269	0.345	0.356	0.327	0.327	0.357	0.389	0.339	10.98
12)	TP	Freon-113		0.122	0.154	0.172	0.144	0.146	0.161	0.172	0.153	11.58
13)	TP	Iodomethane		0.010	0.041	0.073	0.100	0.132	0.161		*Q	0.9997
14)	TP	Acrolein		0.028	0.028	0.033	0.028	0.027	0.029	0.028	0.029#	6.90
15)	TP	Methylene chlo...		0.198	0.182	0.178	0.162	0.159	0.175	0.179	0.176	7.26
17)	TP	Acetone			0.039	0.041	0.039	0.039	0.040	0.039	0.039#	2.42
18)	TP	trans-1,2-Dich...		0.115	0.158	0.175	0.148	0.148	0.168	0.179	0.156	14.05
19)	TP	Methyl acetate			0.125	0.120	0.112	0.107	0.114	0.111	0.115	5.96
20)	TP	Methyl tert-bu...		0.380	0.450	0.482	0.453	0.444	0.487	0.487	0.455	8.34
21)	TP	tert-Butyl alc...		0.014	0.015	0.018	0.017	0.016	0.017	0.016	0.016#	7.94
22)	TP	Diisopropyl ether		0.615	0.655	0.703	0.632	0.608	0.686	0.699	0.657	6.08
23)	TP	1,1-Dichloroet...		0.263	0.345	0.362	0.312	0.305	0.346	0.358	0.327	10.92
24)	TP	Halothane		0.104	0.150	0.141	0.126	0.127	0.141	0.148	0.134	12.01
25)	TP	Acrylonitrile		0.059	0.048	0.054	0.052	0.050	0.053	0.052	0.052	6.87
26)	TP	Ethyl tert-but...		0.610	0.628	0.670	0.620	0.592	0.667	0.671	0.637	5.07
27)	TP	Vinyl acetate		0.561	0.416	0.458	0.429	0.424	0.454	0.461	0.458	10.76
28)	TP	cis-1,2-Dichlo...		0.149	0.181	0.192	0.174	0.167	0.187	0.195	0.178	9.06
29)	TP	2,2-Dichloropr...		0.225	0.264	0.274	0.241	0.227	0.252	0.261	0.249	7.59
30)	TP	Bromochloromet...		0.056	0.082	0.090	0.082	0.080	0.087	0.085	0.080	14.19
31)	TP	Cyclohexane		0.261	0.363	0.362	0.304	0.305	0.336	0.362	0.327	11.92
32)	TC	Chloroform		0.256	0.307	0.318	0.283	0.267	0.306	0.324	0.294	8.84
33)	TP	Ethyl acetate			0.120	0.139	0.150	0.144	0.147	0.145	0.141	7.65

Method Path : I:\VOLATILES\Elaine\2020\200602N\
Method File : Elaine_200602N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Wed Jun 03 14:54:28 2020
Response Via : Initial Calibration

Calibration Files
L11 =VE200602N05.D L1 =VE200602N07.D L2 =VE200602N09.D L3 =VE200602N10.D L4 =VE200602N11.D
L6 =VE200602N12.D L8 =VE200602N13.D L10 =VE200602N14.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
34)	TP	Carbon tetrach...	0.232	0.154	0.227	0.249	0.219	0.217	0.241	0.255	0.224	13.98
35)	TP	Tetrahydrofuran		0.065	0.044	0.046	0.044	0.040	0.042	0.041	0.046#	19.35
36)	S	Dibromofluorom...	0.238	0.241	0.235	0.234	0.231	0.240	0.237	0.240	0.237	1.53
37)	TP	1,1,1-Trichlor...		0.232	0.284	0.297	0.261	0.256	0.283	0.301	0.274	9.08
39)	TP	2-Butanone			0.050	0.068	0.064	0.062	0.064	0.061	0.062#	9.82
40)	TP	1,1-Dichloropr...		0.172	0.232	0.232	0.212	0.209	0.233	0.246	0.219	11.14
41)	TP	Benzene	0.966	0.617	0.717	0.752	0.679	0.656	0.741	0.763	0.736	14.32
42)	TP	tert-Amyl meth...		0.436	0.501	0.558	0.505	0.490	0.536	0.545	0.510	8.11
43)	S	1,2-Dichloroet...	0.291	0.299	0.295	0.289	0.290	0.290	0.286	0.284	0.290	1.63
44)	TP	1,2-Dichloroet...		0.201	0.245	0.248	0.234	0.227	0.248	0.255	0.237	7.80
47)	TP	Methyl cyclohe...		0.228	0.315	0.331	0.271	0.277	0.298	0.326	0.292	12.55
48)	TP	Trichloroethene	0.269	0.133	0.166	0.187	0.164	0.163	0.179	0.191	*Q	0.9990
50)	TP	Dibromomethane		0.080	0.093	0.098	0.094	0.092	0.100	0.101	0.094	7.40
51)	TC	1,2-Dichloropr...		0.165	0.191	0.208	0.188	0.180	0.202	0.206	0.192	8.01
53)	TP	2-Chloroethyl ...		0.110	0.112	0.125	0.119	0.119	0.126	0.124	0.119	5.45
54)	TP	Bromodichlorom...		0.185	0.218	0.242	0.222	0.218	0.246	0.252	0.226	10.14
57)	TP	1,4-Dioxane		0.001	0.001	0.001	0.002	0.001	0.001	0.001	0.001#	8.06
58)	TP	cis-1,3-Dichlo...		0.231	0.264	0.303	0.283	0.276	0.303	0.309	0.281	9.82
59)	I	Chlorobenzene-d5	----------ISTD----------									
60)	S	Toluene-d8	1.330	1.329	1.319	1.295	1.324	1.304	1.322	1.353	1.322	1.32
61)	TC	Toluene		0.545	0.632	0.658	0.607	0.564	0.628	0.680	0.616	7.85
62)	TP	4-Methyl-2-pen...		0.069	0.078	0.090	0.083	0.078	0.082	0.084	0.081#	7.90
63)	TP	Tetrachloroethene		0.227	0.284	0.276	0.255	0.236	0.260	0.289	0.261	9.05
65)	TP	trans-1,3-Dich...		0.249	0.314	0.354	0.343	0.327	0.360	0.383	0.333	13.00
67)	TP	Ethyl methacry...		0.234	0.252	0.294	0.284	0.271	0.290	0.300	0.275	8.77
68)	TP	1,1,2-Trichlor...		0.140	0.151	0.171	0.160	0.150	0.163	0.171	0.158	7.32
69)	TP	Chlorodibromom...		0.179	0.207	0.237	0.229	0.221	0.243	0.255	0.224	11.23
70)	TP	1,3-Dichloropr...		0.306	0.332	0.375	0.343	0.327	0.353	0.369	0.344	7.13
71)	TP	1,2-Dibromoethane		0.162	0.189	0.206	0.194	0.183	0.197	0.206	0.191	8.01
72)	TP	2-Hexanone		0.200	0.166	0.154	0.146	0.137	0.141	0.145	0.156	13.91
73)	TP	Chlorobenzene		0.573	0.652	0.709	0.639	0.606	0.667	0.704	0.650	7.63

Response Factor Report Elaine

Method Path : I:\VOLATILES\Elaine\2020\200602N\
Method File : Elaine_200602N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Wed Jun 03 14:54:28 2020
Response Via : Initial Calibration

Calibration Files
L11 =VE200602N05.D L1 =VE200602N07.D L2 =VE200602N09.D L3 =VE200602N10.D L4 =VE200602N11.D
L6 =VE200602N12.D L8 =VE200602N13.D L10 =VE200602N14.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
74)	TC	Ethylbenzene		1.018	1.165	1.239	1.136	1.052	1.153	1.209	1.139	6.99
75)	TP	1,1,1,2-Tetrac...		0.191	0.214	0.251	0.228	0.221	0.243	0.261	0.230	10.41
76)	TP	p/m Xylene		0.368	0.474	0.483	0.432	0.409	0.445	0.472	0.440	9.39
77)	TP	o Xylene		0.350	0.429	0.467	0.425	0.396	0.431	0.449	0.421	9.08
78)	TP	Styrene		0.558	0.722	0.782	0.728	0.673	0.725	0.724	0.702	10.08
79)	I	1,4-Dichlorobenzene-d4	----------ISTD----------									
80)	TP	Bromoform		0.221	0.258	0.292	0.286	0.282	0.298	0.299	0.276	10.20
82)	TP	Isopropylbenzene		1.934	2.550	2.499	2.237	2.111	2.245	2.282	2.265	9.38
83)	S	4-Bromofluorob...	1.027	1.059	1.070	1.029	1.034	1.023	1.003	1.005	1.031	2.28
84)	TP	Bromobenzene		0.451	0.608	0.612	0.542	0.517	0.557	0.576	0.552	10.18
85)	TP	n-Propylbenzene		2.169	2.893	2.881	2.558	2.437	2.568	2.600	2.587	9.72
86)	TP	1,4-Dichlorobu...		0.709	0.758	0.814	0.746	0.714	0.746	0.753	0.748	4.59
87)	TP	1,1,2,2-Tetrac...		0.436	0.455	0.504	0.454	0.443	0.463	0.465	0.460	4.80
88)	TP	4-Ethyltoluene		1.899	2.373	2.432	2.185	2.100	2.219	2.280	2.213	8.05
89)	TP	2-Chlorotoluene		1.572	1.998	1.995	1.815	1.721	1.840	1.906	1.835	8.32
90)	TP	1,3,5-Trimethy...		1.703	2.018	2.083	1.837	1.759	1.881	1.951	1.890	7.24
91)	TP	1,2,3-Trichlor...		0.357	0.379	0.417	0.391	0.375	0.388	0.395	0.386	4.81
92)	TP	trans-1,4-Dich...		0.106	0.140	0.156	0.139	0.135	0.142	0.147	0.138	11.28
93)	TP	4-Chlorotoluene		1.450	1.775	1.782	1.616	1.556	1.673	1.725	1.654	7.36
94)	TP	tert-Butylbenzene		1.654	2.022	1.931	1.822	1.746	1.851	1.934	1.851	6.73
95)	TP	Pentachloroethane		0.200	0.295	0.190	0.349	0.344	0.354	0.372	*Q	0.9968
97)	TP	1,2,4-Trimethy...		1.582	1.992	2.004	1.830	1.764	1.897	1.966	1.862	8.15
98)	TP	sec-Butylbenzene		1.879	2.466	2.615	2.256	2.160	2.254	2.379	2.287	10.29
99)	TP	p-Isopropyltol...		1.687	2.155	2.214	1.927	1.869	1.977	2.094	1.989	9.15
100)	TP	1,3-Dichlorobe...		0.807	1.097	1.129	1.015	0.970	1.054	1.108	1.026	10.85
101)	TP	1,4-Dichlorobe...		0.964	1.066	1.105	1.010	0.970	1.048	1.098	1.037	5.54
102)	TP	p-Diethylbenzene		1.072	1.239	1.298	1.139	1.121	1.200	1.307	1.196	7.53
103)	TP	n-Butylbenzene		1.439	1.782	1.971	1.693	1.647	1.741	1.887	1.737	9.93
104)	TP	1,2-Dichlorobe...		0.903	1.054	1.065	0.969	0.907	0.987	1.031	0.988	6.72
105)	TP	1,2,4,5-Tetram...		1.581	2.001	2.058	1.863	1.805	1.936	2.026	1.896	8.74
106)	TP	1,2-Dibromo-3-...		0.066	0.075	0.074	0.073	0.075	0.078	0.082	0.074	6.69

Method Path : I:\VOLATILES\Elaine\2020\200602N\
Method File : Elaine_200602N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Wed Jun 03 14:54:28 2020
Response Via : Initial Calibration

Calibration Files
L11 =VE200602N05.D L1 =VE200602N07.D L2 =VE200602N09.D L3 =VE200602N10.D L4 =VE200602N11.D
L6 =VE200602N12.D L8 =VE200602N13.D L10 =VE200602N14.D

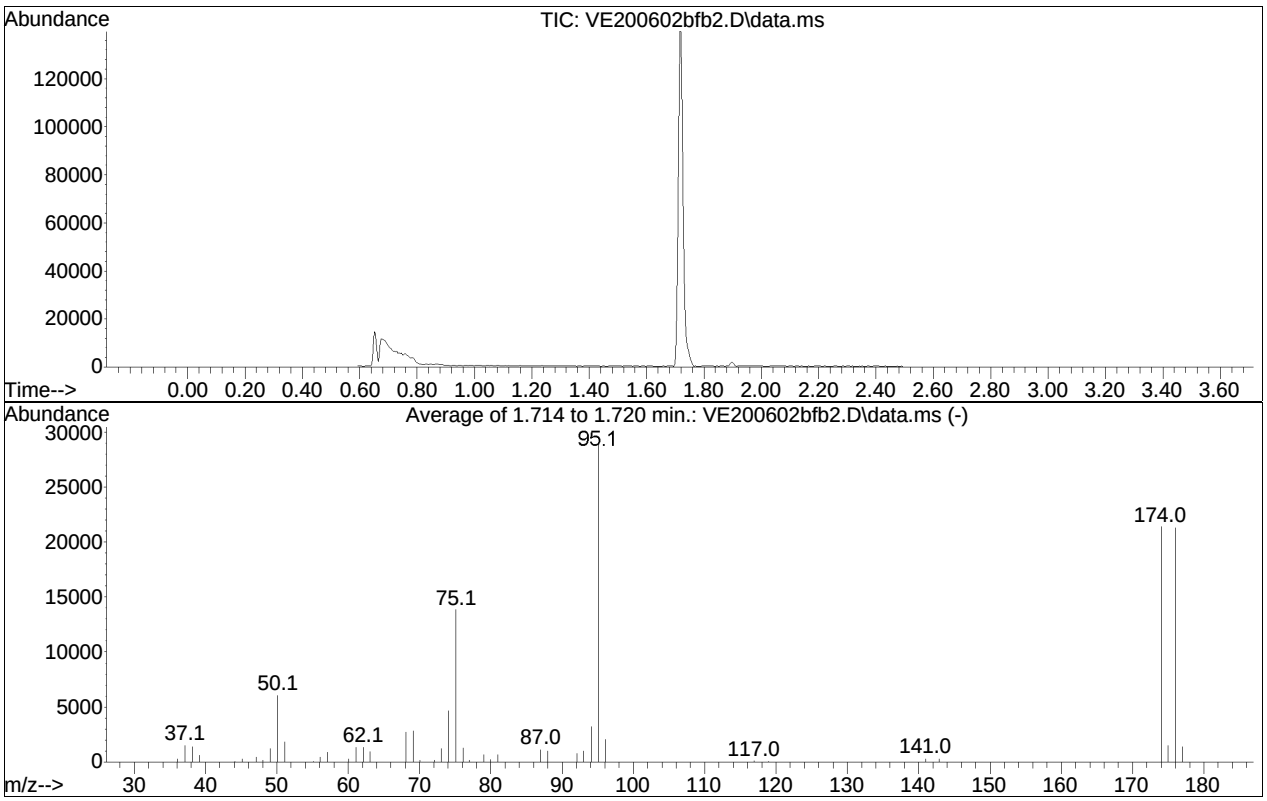
	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
107)	TP 1,3,5-Trichlor...	0.689	0.771	0.781	0.723	0.702	0.769	0.825	0.752	6.45	
108)	TP Hexachlorobuta...	0.222	0.296	0.313	0.246	0.245	0.263	0.316	0.272	13.60	
109)	TP 1,2,4-Trichlor...	0.566	0.640	0.711	0.658	0.654	0.711	0.757	0.671	9.24	
110)	TP Naphthalene	1.285	1.418	1.617	1.543	1.528	1.620	1.659	1.524	8.68	
111)	TP 1,2,3-Trichlor...	0.489	0.620	0.635	0.603	0.596	0.646	0.684	0.611	10.01	

(#) = Out of Range

Data Path : I:\VOLATILES\Elaine\2020\200602N\
Data File : VE200602bfb2.D
Acq On : 2 Jun 2020 1:54 pm
Operator : ELAINE:NLK
Sample : WG1377468-1
Misc : WG1377468
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\VOLATILES\Elaine\2020\200602N\Elaine_200602N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Wed Jun 03 13:26:50 2020



AutoFind: Scans 404, 405, 406; Background Corrected with Scan 395

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.8	6048	PASS
75	95	30	60	47.7	13831	PASS
95	95	100	100	100.0	29024	PASS
96	95	5	9	7.1	2075	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	73.7	21384	PASS
175	174	5	9	7.2	1529	PASS
176	174	95	101	99.7	21312	PASS
177	176	5	9	6.5	1394	PASS

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2020\200602N\
Data File : VE200602N05.D
Acq On : 2 Jun 2020 3:42 pm
Operator : ELAINE:NLK
Sample : I8260STDL0.19PPB
Misc : WG1377468
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 03 13:21:25 2020
Quant Method : I:\VOLATILES\Elaine\2020\200602N\Elaine_200602N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jun 03 13:20:59 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2020\200602N\VE200602N10.D
Sub List : 8260-L11 - Level 11 for 8260-LRR product

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.490	96	181874	10.000	ug/L	0.00
Standard Area 1 = 179437			Recovery = 101.36%			
59) Chlorobenzene-d5	8.497	117	134235	10.000	ug/L	0.00
Standard Area 1 = 132096			Recovery = 101.62%			
79) 1,4-Dichlorobenzene-d4	9.986	152	64846	10.000	ug/L	0.00
Standard Area 1 = 65606			Recovery = 98.84%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.505	113	43222	10.027	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.27%			
43) 1,2-Dichloroethane-d4	5.147	65	52996	10.031	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.31%			
60) Toluene-d8	7.195	98	178504	10.060	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.60%			
83) 4-Bromofluorobenzene	9.318	95	66589	9.958	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.58%			
Target Compounds						Qvalue
4) Vinyl chloride	1.113	62	905	0.240	ug/L	98
34) Carbon tetrachloride	4.371	117	800	0.196	ug/L #	54
41) Benzene	4.958	78	3337M1	0.249	ug/L	
48) Trichloroethene	5.687	95	929	0.227	ug/L	90

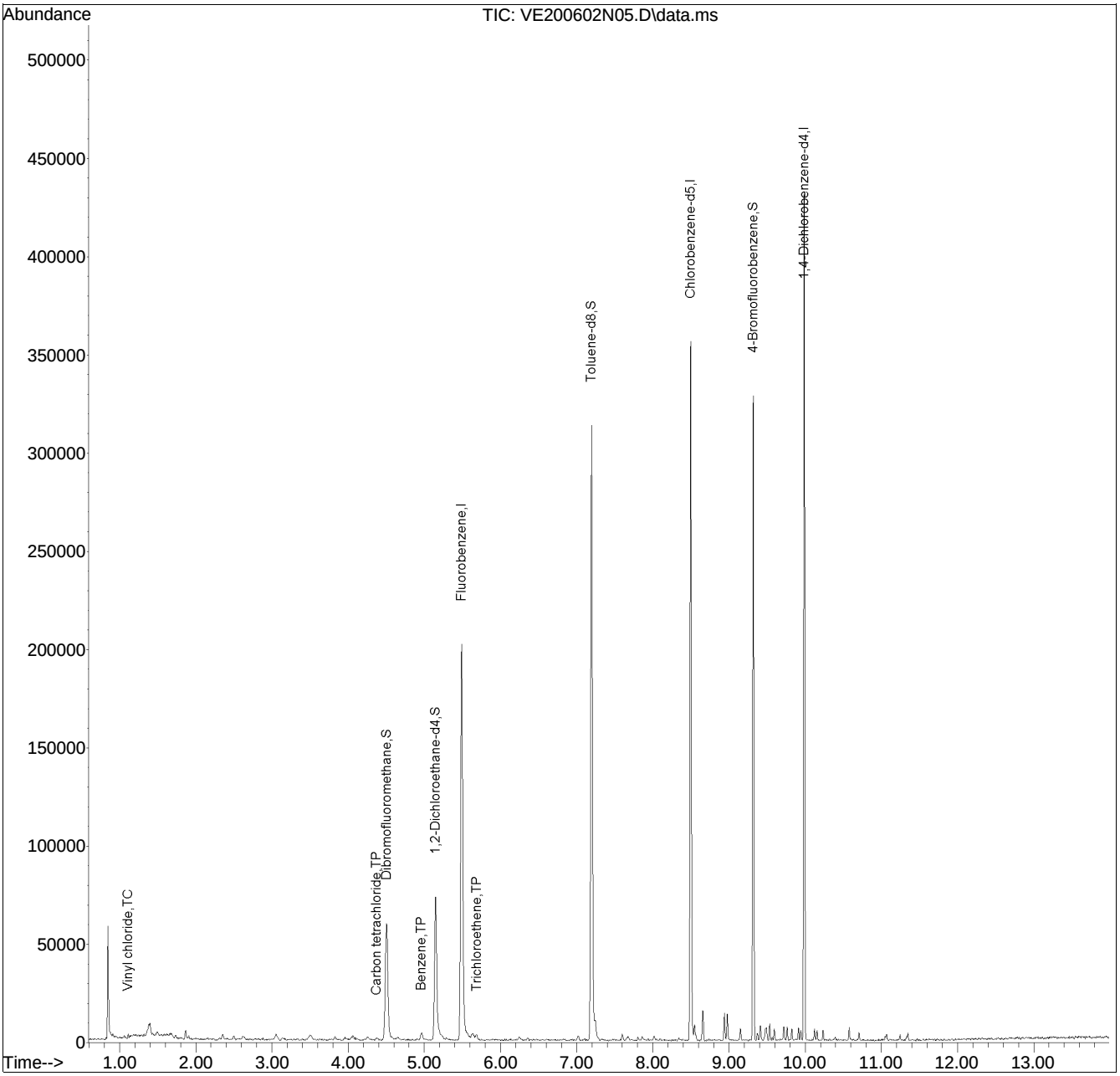
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2020\200602N\
Data File : VE200602N05.D
Acq On : 2 Jun 2020 3:42 pm
Operator : ELAINE:NLK
Sample : I8260STDL0.19PPB
Misc : WG1377468
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 03 13:21:25 2020
Quant Method : I:\VOLATILES\Elaine\2020\200602N\Elaine_200602N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jun 03 13:20:59 2020
Response via : Initial Calibration

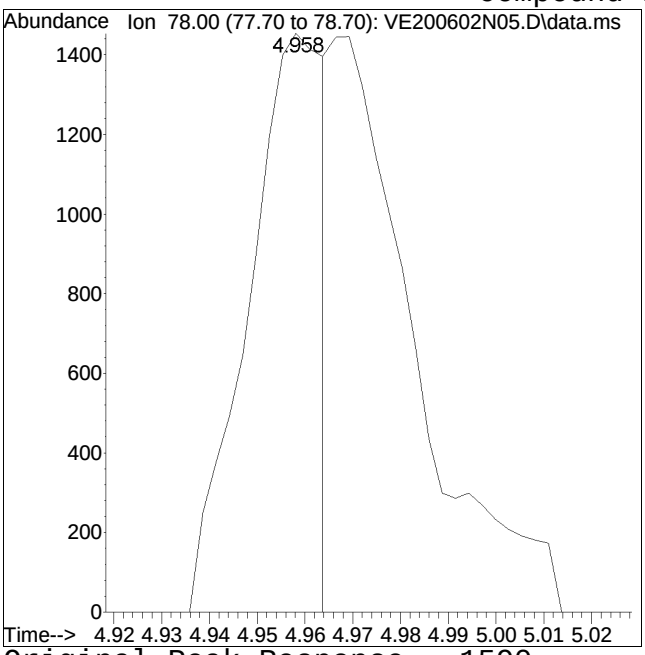
Sub List : 8260-L11 - Level 11 for 8260-LRR product00602N10.D•



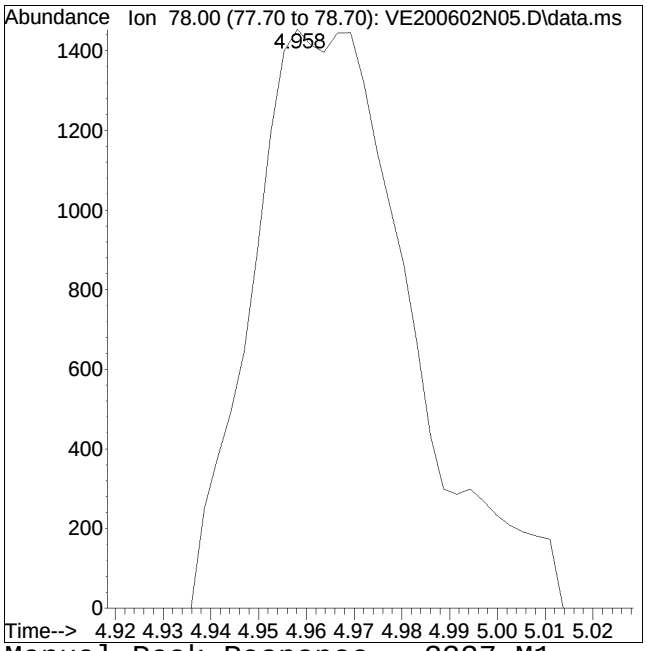
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200602N_8260.m
Data File : VE200602N05.D Operator : ELAINE:NLK
Date Inj'd : 6/2/2020 3:42 pm Instrument : Elaine
Sample : I8260STDL0.19PPB Quant Date : 6/3/2020 1:21 pm

Compound #41: Benzene



Original Peak Response = 1590



Manual Peak Response = 3337 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2020\200602N\
Data File : VE200602N07.D
Acq On : 2 Jun 2020 4:25 pm
Operator : ELAINE:NLK
Sample : I8260STDL0.5PPB
Misc : WG1377468
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 03 13:27:52 2020
Quant Method : I:\VOLATILES\Elaine\2020\200602N\Elaine_200602N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jun 03 13:26:50 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2020\200602N\VE200602N10.D
Sub List : 8260-CurvePenta - All compounds listed

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.490	96	177496	10.000 ug/L	0.00
Standard Area 1 = 179437			Recovery = 98.92%		
59) Chlorobenzene-d5	8.497	117	133306	10.000 ug/L	0.00
Standard Area 1 = 132096			Recovery = 100.92%		
79) 1,4-Dichlorobenzene-d4	9.986	152	63786	10.000 ug/L	0.00
Standard Area 1 = 65606			Recovery = 97.23%		
System Monitoring Compounds					
36) Dibromofluoromethane	4.505	113	42823	10.179 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.79%		
43) 1,2-Dichloroethane-d4	5.147	65	53096	10.298 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.98%		
60) Toluene-d8	7.195	98	177158	10.053 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.53%		
83) 4-Bromofluorobenzene	9.318	95	67560	10.271 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.71%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.938	85	1183	0.383 ug/L #	88
3) Chloromethane	1.063	50	1367	0.417 ug/L #	89
4) Vinyl chloride	1.113	62	1220	0.331 ug/L	95
5) Bromomethane	1.319	94	734	0.441 ug/L #	71
6) Chloroethane	1.400	64	968	0.454 ug/L	97
7) Trichlorofluoromethane	1.497	101	1576	0.374 ug/L	87
8) Ethyl ether	1.736	74	729	0.440 ug/L #	78
10) 1,1-Dichloroethene	1.862	96	965	0.376 ug/L #	82
11) Carbon disulfide	1.867	76	2388	0.397 ug/L	99
12) Freon-113	1.903	101	1081	0.398 ug/L	97
13) Iodomethane	1.967	142	90	0.620 ug/L #	31
14) Acrolein	2.143	56	251	0.489 ug/L #	51
15) Methylene chloride	2.354	84	1753	0.560 ug/L	69
17) Acetone	0.000		0	N.D. d	
18) trans-1,2-Dichloroethene	2.493	96	1021	0.369 ug/L	94
19) Methyl acetate	2.543	43	1674	0.821 ug/L #	68
20) Methyl tert-butyl ether	2.624	73	3370	0.417 ug/L #	86
21) tert-Butyl alcohol	2.782	59	626M1	2.192 ug/L	
22) Diisopropyl ether	3.058	45	5456	0.468 ug/L	94
23) 1,1-Dichloroethane	3.136	63	2336	0.402 ug/L	83
24) Halothane	3.283	117	925	0.389 ug/L #	76

Data Path : I:\VOLATILES\Elaine\2020\200602N\
Data File : VE200602N07.D
Acq On : 2 Jun 2020 4:25 pm
Operator : ELAINE:NLK
Sample : I8260STDL0.5PPB
Misc : WG1377468
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 03 13:27:52 2020
Quant Method : I:\VOLATILES\Elaine\2020\200602N\Elaine_200602N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jun 03 13:26:50 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2020\200602N\VE200602N10.D
Sub List : 8260-CurvePenta - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	3.219	53	525M1	0.564	ug/L		
26) Ethyl tert-butyl ether	3.492	59	5411M1	0.479	ug/L		
27) Vinyl acetate	3.506	43	4983M1	0.614	ug/L		
28) cis-1,2-Dichloroethene	3.831	96	1322	0.419	ug/L	#	42
29) 2,2-Dichloropropane	3.959	77	1996M1	0.452	ug/L		
30) Bromochloromethane	4.093	128	494M1	0.347	ug/L		
31) Cyclohexane	4.057	56	2317M1	0.399	ug/L		
32) Chloroform	4.260	83	2271	0.435	ug/L	#	93
33) Ethyl acetate	4.521	43	2194M1	0.878	ug/L		
34) Carbon tetrachloride	4.374	117	1368	0.344	ug/L	#	20
35) Tetrahydrofuran	4.457	42	581	0.714	ug/L	#	53
37) 1,1,1-Trichloroethane	4.477	97	2062	0.425	ug/L	#	87
39) 2-Butanone	0.000		0	N.D.	d		
40) 1,1-Dichloropropene	4.652	75	1527	0.392	ug/L		91
41) Benzene	4.964	78	5477M1	0.419	ug/L		
42) tert-Amyl methyl ether	5.192	73	3866	0.427	ug/L	#	77
44) 1,2-Dichloroethane	5.228	62	1781	0.424	ug/L		76
47) Methyl cyclohexane	5.634	83	2023	0.390	ug/L		90
48) Trichloroethene	5.684	95	1182	0.326	ug/L	#	73
50) Dibromomethane	6.135	93	713	0.427	ug/L		91
51) 1,2-Dichloropropane	6.249	63	1467	0.432	ug/L		97
53) 2-Chloroethyl vinyl ether	7.011	63	977	0.461	ug/L	#	86
54) Bromodichloromethane	6.360	83	1643	0.409	ug/L	#	90
57) 1,4-Dioxane	6.586	88	2082	84.032	ug/L	#	82
58) cis-1,3-Dichloropropene	7.025	75	2046M1	0.410	ug/L		
61) Toluene	7.242	92	3635	0.442	ug/L		91
62) 4-Methyl-2-pentanone	7.665	58	462	0.429	ug/L	#	1
63) Tetrachloroethene	7.599	166	1512	0.434	ug/L		83
65) trans-1,3-Dichloropropene	7.674	75	1658	0.374	ug/L	#	68
67) Ethyl methacrylate	7.860	69	1562	0.426	ug/L		91
68) 1,1,2-Trichloroethane	7.804	83	931	0.442	ug/L		87
69) Chlorodibromomethane	7.935	129	1192	0.399	ug/L	#	86
70) 1,3-Dichloropropane	8.016	76	2038	0.445	ug/L		97
71) 1,2-Dibromoethane	8.094	107	1079	0.424	ug/L		96
72) 2-Hexanone	8.344	43	1332M1	0.642	ug/L		
73) Chlorobenzene	8.506	112	3816	0.440	ug/L	#	79
74) Ethylbenzene	8.547	91	6787	0.447	ug/L		96
75) 1,1,1,2-Tetrachloroethane	8.567	131	1274	0.415	ug/L	#	66
76) p/m Xylene	8.656	106	4903	0.835	ug/L		96
77) o Xylene	8.940	106	4667	0.832	ug/L		94

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2020\200602N\
Data File : VE200602N07.D
Acq On : 2 Jun 2020 4:25 pm
Operator : ELAINE:NLK
Sample : I8260STDL0.5PPB
Misc : WG1377468
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 03 13:27:52 2020
Quant Method : I:\VOLATILES\Elaine\2020\200602N\Elaine_200602N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jun 03 13:26:50 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2020\200602N\VE200602N10.D
Sub List : 8260-CurvePenta - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
78) Styrene	8.979	104	7438	0.795	ug/L		90
80) Bromoform	8.979	173	704	0.399	ug/L		76
82) Isopropylbenzene	9.151	105	6167	0.427	ug/L		99
84) Bromobenzene	9.371	156	1437	0.408	ug/L		84
85) n-Propylbenzene	9.410	91	6918	0.419	ug/L		98
86) 1,4-Dichlorobutane	9.415	55	2262	0.474	ug/L		99
87) 1,1,2,2-Tetrachloroethane	9.465	83	1389	0.473	ug/L	#	87
88) 4-Ethyltoluene	9.479	105	6058	0.429	ug/L		96
89) 2-Chlorotoluene	9.493	91	5013	0.428	ug/L		90
90) 1,3,5-Trimethylbenzene	9.535	105	5430	0.450	ug/L		98
91) 1,2,3-Trichloropropane	9.532	75	1139	0.462	ug/L		90
92) trans-1,4-Dichloro-2-b...	9.568	53	339	0.385	ug/L	#	64
93) 4-Chlorotoluene	9.596	91	4624	0.438	ug/L		100
94) tert-Butylbenzene	9.721	119	5276	0.447	ug/L		94
95) Pentachloroethane	9.727	167	638	0.603	ug/L	#	86
97) 1,2,4-Trimethylbenzene	9.763	105	5045	0.425	ug/L		87
98) sec-Butylbenzene	9.824	105	5993	0.411	ug/L		98
99) p-Isopropyltoluene	9.913	119	5379	0.424	ug/L		92
100) 1,3-Dichlorobenzene	9.941	146	2574	0.393	ug/L		96
101) 1,4-Dichlorobenzene	9.994	146	3074	0.465	ug/L	#	76
102) p-Diethylbenzene	10.122	119	3419	0.448	ug/L		87
103) n-Butylbenzene	10.155	91	4588	0.414	ug/L		99
104) 1,2-Dichlorobenzene	10.236	146	2880	0.457	ug/L		96
105) 1,2,4,5-Tetramethylben...	10.578	119	5042	0.417	ug/L		99
106) 1,2-Dibromo-3-chloropr...	10.692	155	209	0.440	ug/L		79
107) 1,3,5-Trichlorobenzene	10.706	180	2198	0.458	ug/L		88
108) Hexachlorobutadiene	11.051	225	707	0.408	ug/L	#	84
109) 1,2,4-Trichlorobenzene	11.065	180	1805	0.422	ug/L	#	90
110) Naphthalene	11.246	128	4097	0.421	ug/L		100
111) 1,2,3-Trichlorobenzene	11.349	180	1560	0.401	ug/L	#	94

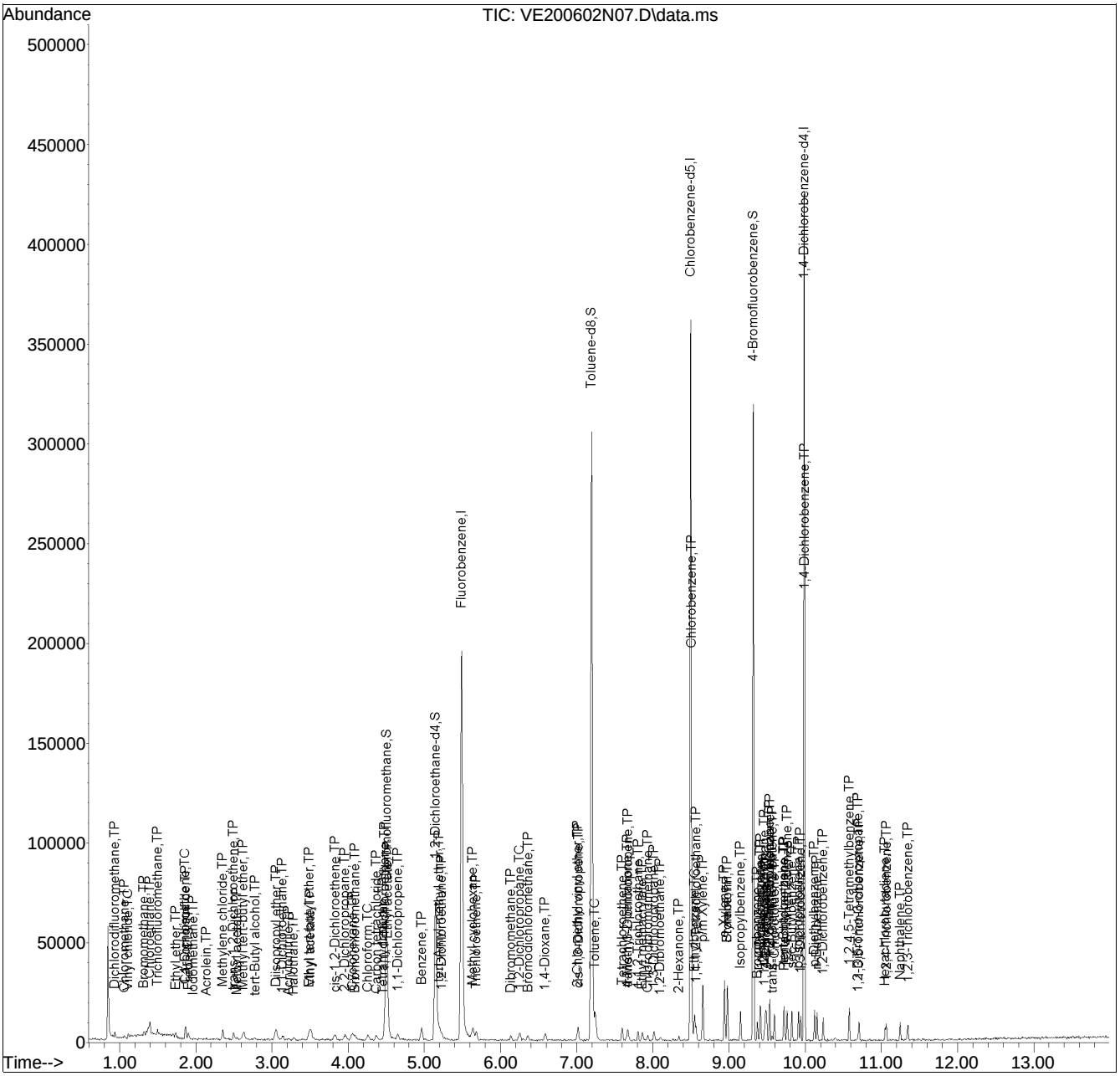
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2020\200602N\
Data File : VE200602N07.D
Acq On : 2 Jun 2020 4:25 pm
Operator : ELAINE:NLK
Sample : I8260STDL0.5PPB
Misc : WG1377468
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 03 13:27:52 2020
Quant Method : I:\VOLATILES\Elaine\2020\200602N\Elaine_200602N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jun 03 13:26:50 2020
Response via : Initial Calibration

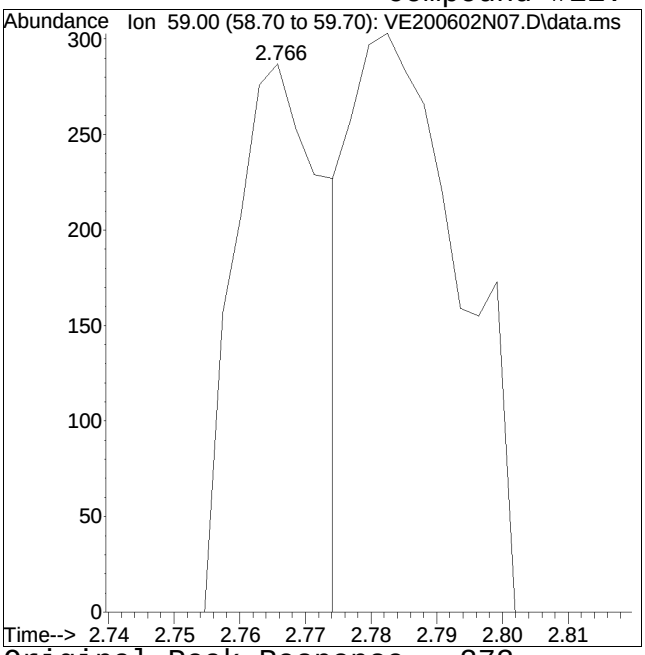
Sub List : 8260-CurvePenta - All compounds listedE200602N10.D•



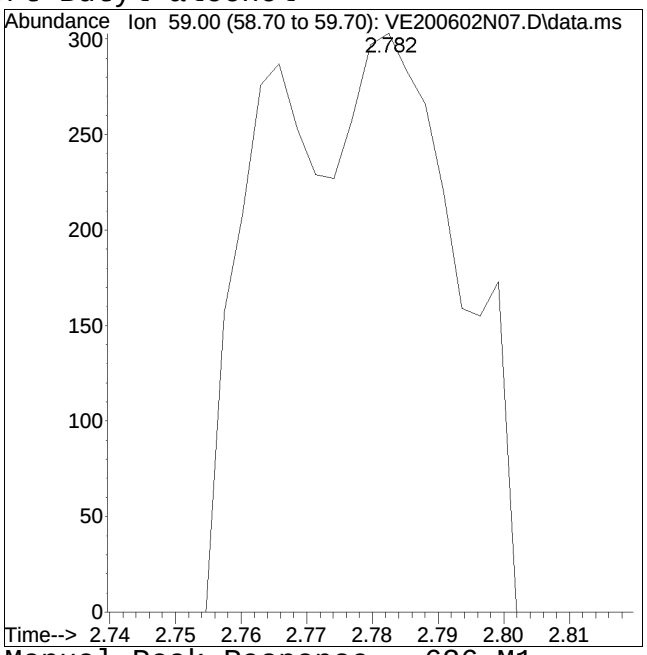
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200602N_8260.m
Data File : VE200602N07.D Operator : ELAINE:NLK
Date Inj'd : 6/2/2020 4:25 pm Instrument : Elaine
Sample : I8260STDL0.5PPB Quant Date : 6/3/2020 1:27 pm

Compound #21: tert-Butyl alcohol



Original Peak Response = 273



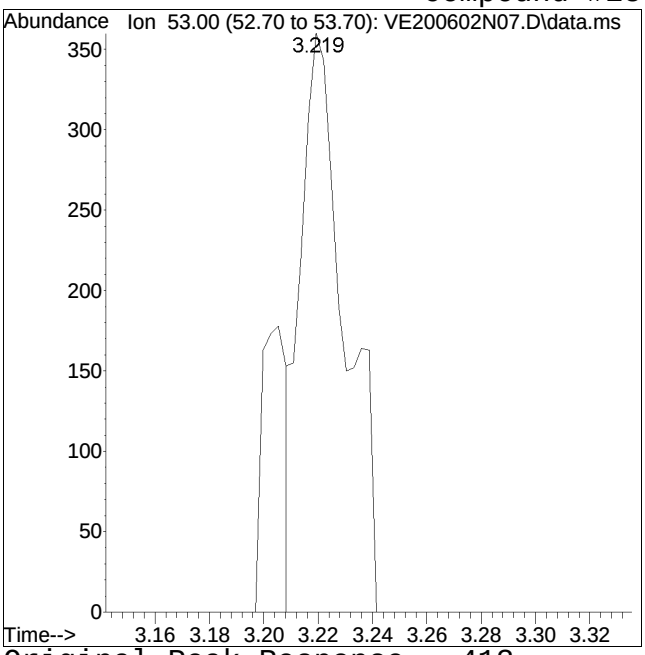
Manual Peak Response = 626 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

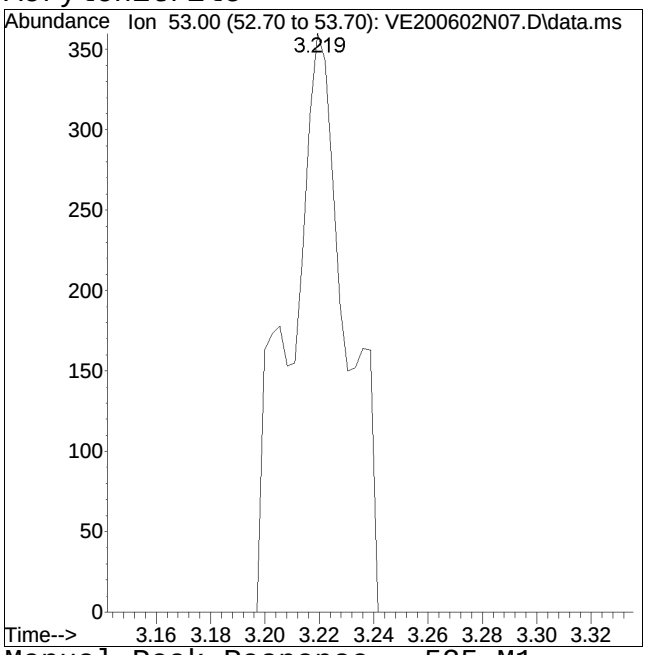
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200602N_8260.m
Data File : VE200602N07.D Operator : ELAINE:NLK
Date Inj'd : 6/2/2020 4:25 pm Instrument : Elaine
Sample : I8260STDL0.5PPB Quant Date : 6/3/2020 1:27 pm

Compound #25: Acrylonitrile



Original Peak Response = 413



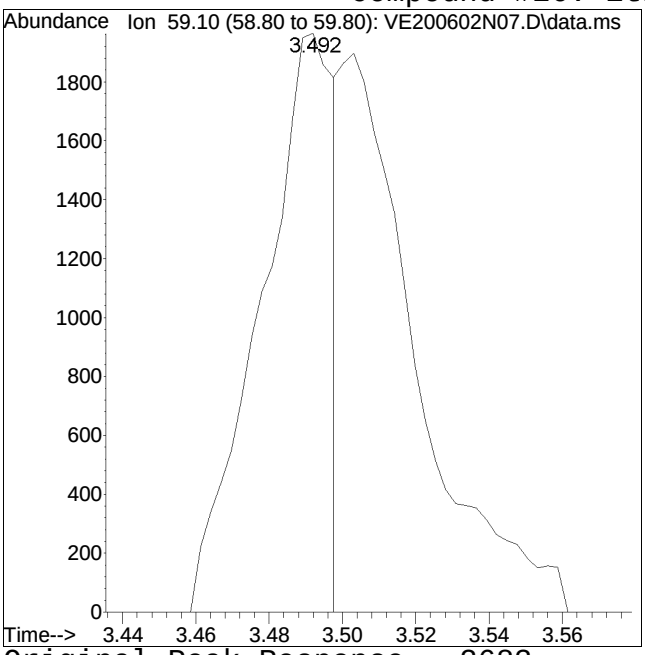
Manual Peak Response = 525 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

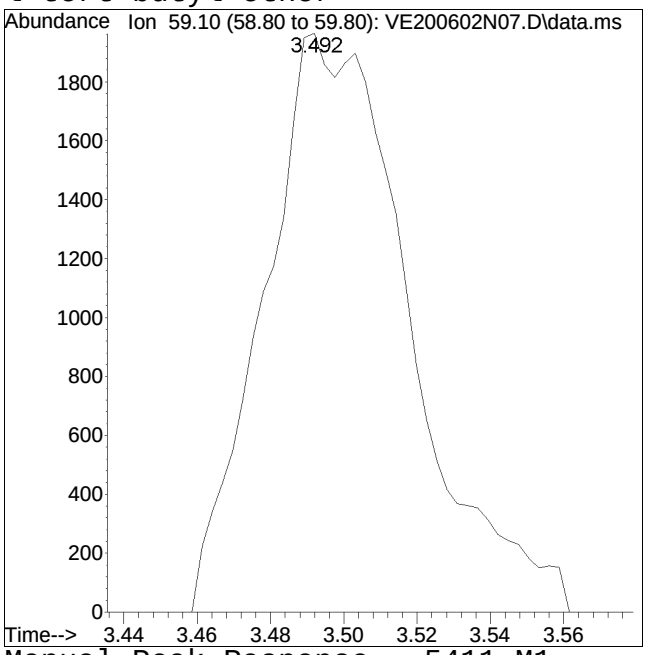
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200602N_8260.m
Data File : VE200602N07.D Operator : ELAINE:NLK
Date Inj'd : 6/2/2020 4:25 pm Instrument : Elaine
Sample : I8260STDL0.5PPB Quant Date : 6/3/2020 1:27 pm

Compound #26: Ethyl tert-butyl ether



Original Peak Response = 2683



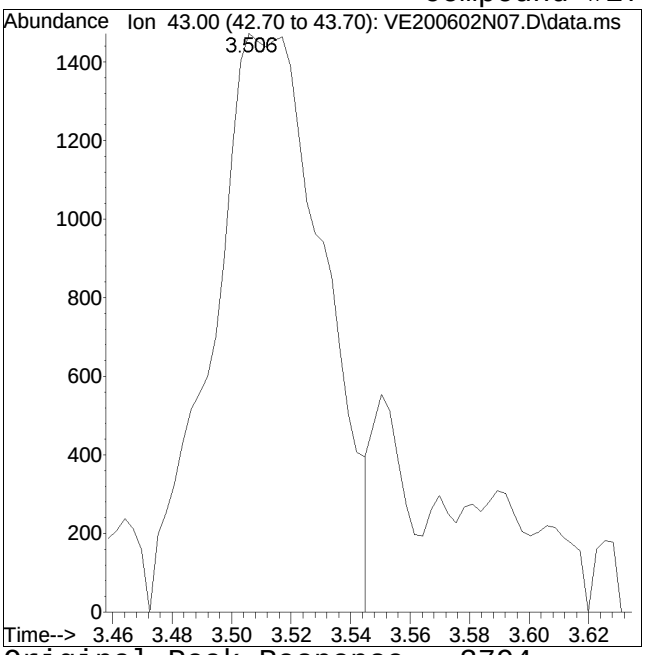
Manual Peak Response = 5411 M1

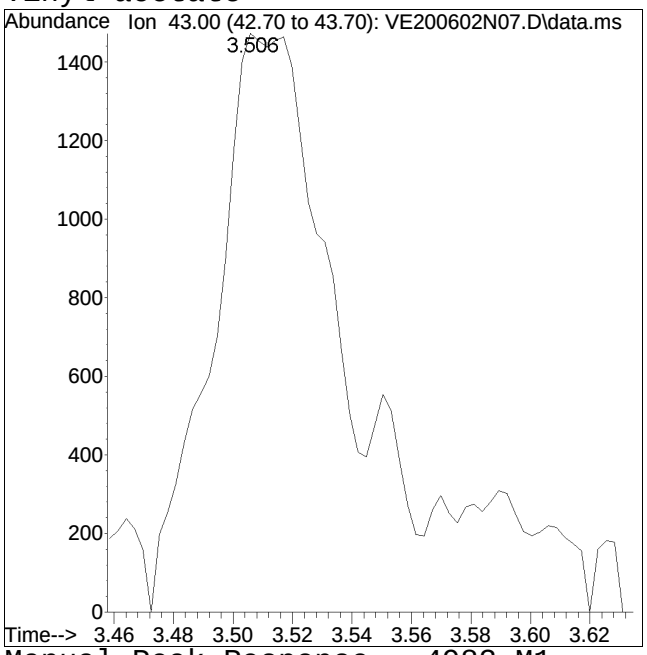
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200602N_8260.m
Data File : VE200602N07.D Operator : ELAINE:NLK
Date Inj'd : 6/2/2020 4:25 pm Instrument : Elaine
Sample : I8260STDL0.5PPB Quant Date : 6/3/2020 1:27 pm

Compound #27: Vinyl acetate



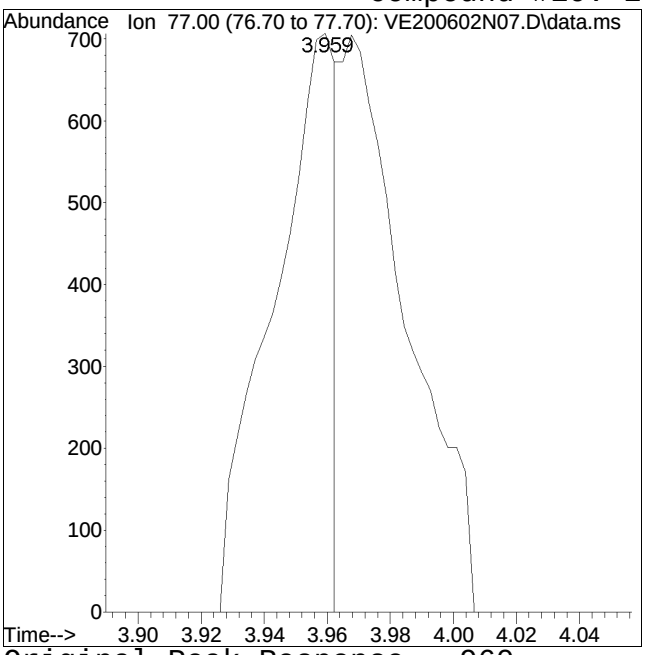


Original Peak Response = 3794 Manual Peak Response = 4983 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

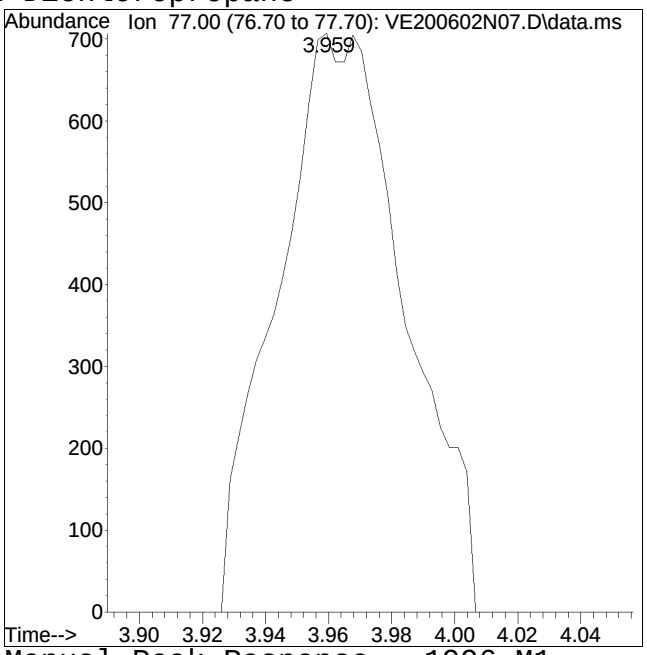
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200602N_8260.m
Data File : VE200602N07.D Operator : ELAINE:NLK
Date Inj'd : 6/2/2020 4:25 pm Instrument : Elaine
Sample : I8260STDL0.5PPB Quant Date : 6/3/2020 1:27 pm

Compound #29: 2,2-Dichloropropane



Original Peak Response = 960



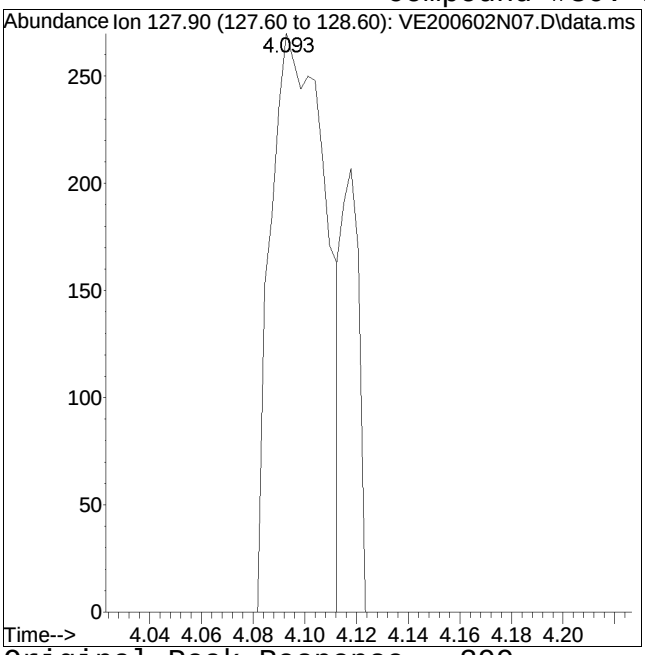
Manual Peak Response = 1996 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

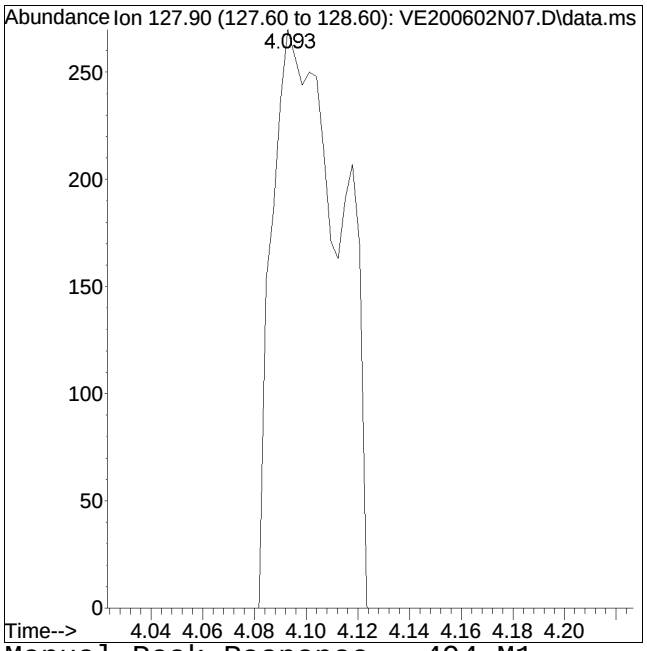
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200602N_8260.m
Data File : VE200602N07.D Operator : ELAINE:NLK
Date Inj'd : 6/2/2020 4:25 pm Instrument : Elaine
Sample : I8260STDL0.5PPB Quant Date : 6/3/2020 1:27 pm

Compound #30: Bromochloromethane



Original Peak Response = 399



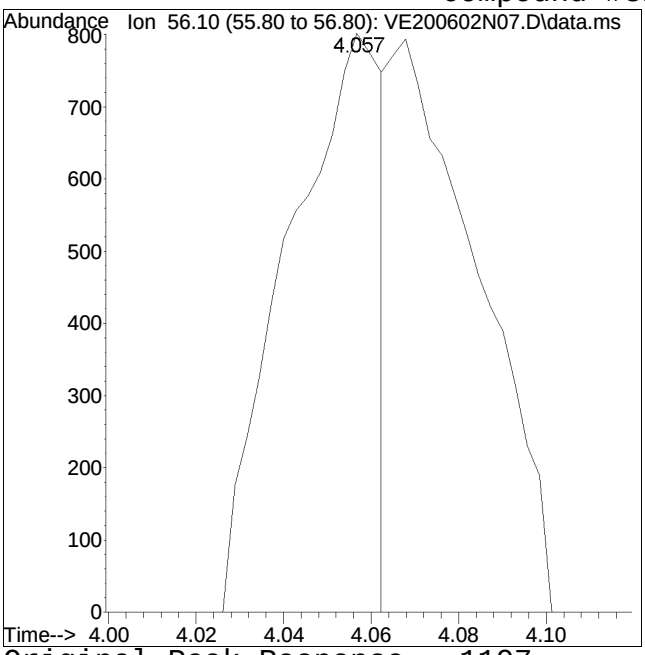
Manual Peak Response = 494 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

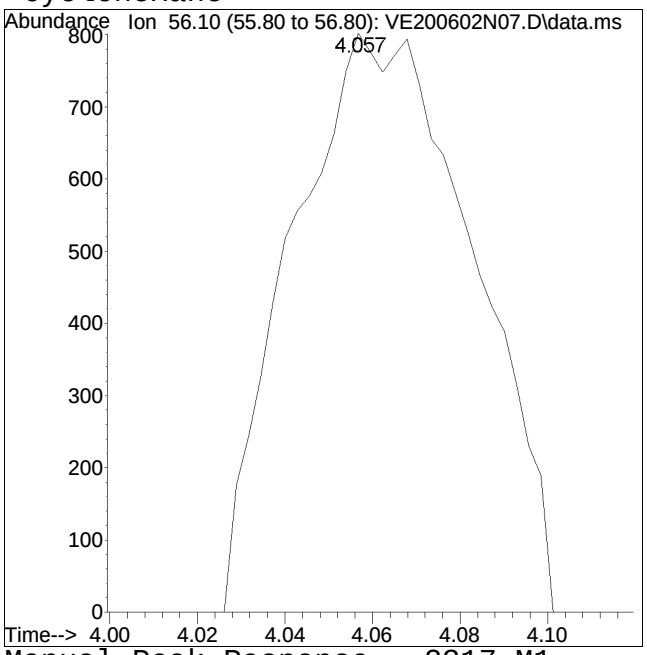
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200602N_8260.m
Data File : VE200602N07.D Operator : ELAINE:NLK
Date Inj'd : 6/2/2020 4:25 pm Instrument : Elaine
Sample : I8260STDL0.5PPB Quant Date : 6/3/2020 1:27 pm

Compound #31: Cyclohexane



Original Peak Response = 1197



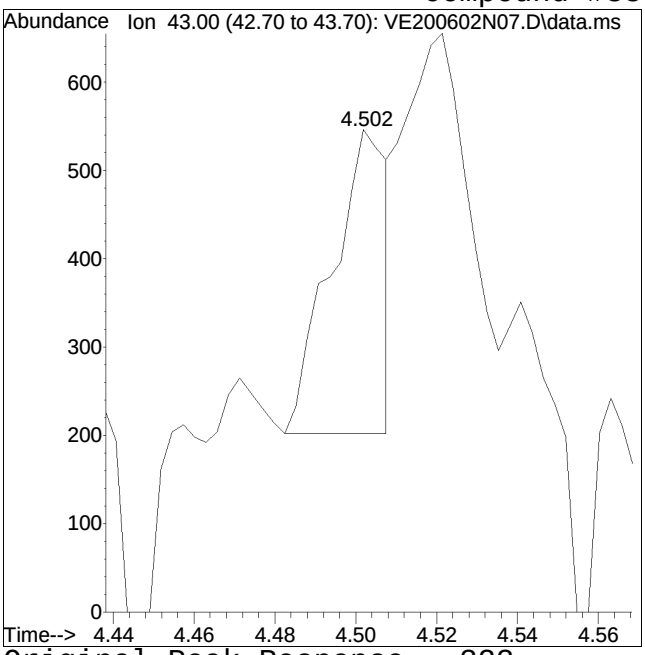
Manual Peak Response = 2317 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

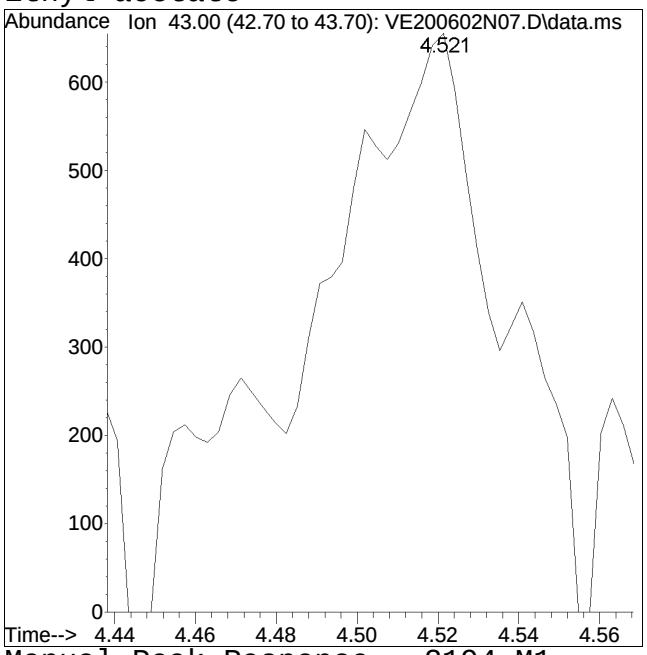
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200602N_8260.m
Data File : VE200602N07.D Operator : ELAINE:NLK
Date Inj'd : 6/2/2020 4:25 pm Instrument : Elaine
Sample : I8260STDL0.5PPB Quant Date : 6/3/2020 1:27 pm

Compound #33: Ethyl acetate



Original Peak Response = 323



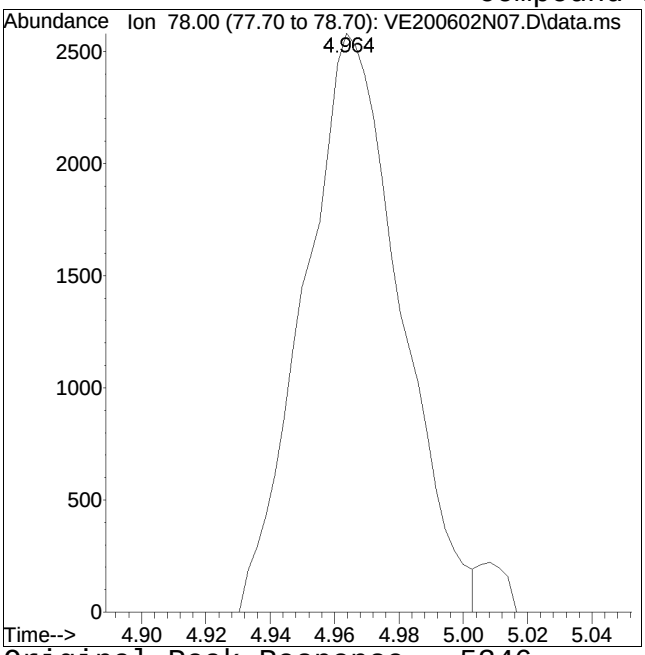
Manual Peak Response = 2194 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

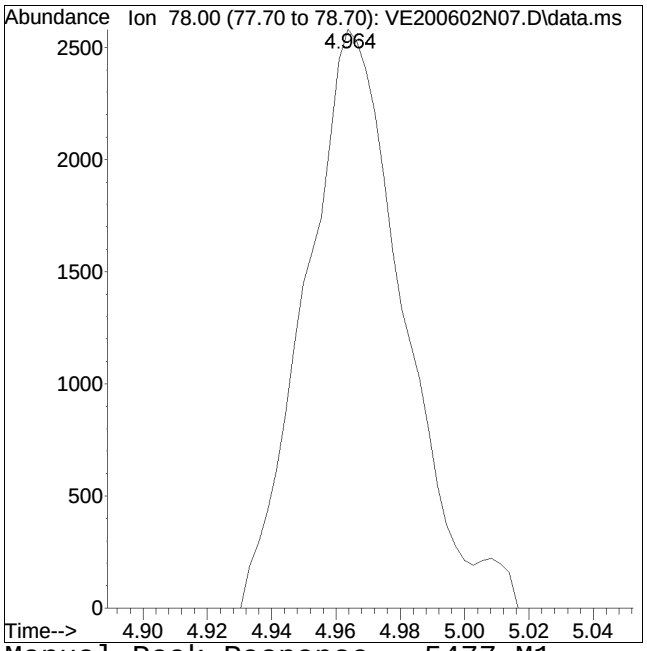
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200602N_8260.m
Data File : VE200602N07.D Operator : ELAINE:NLK
Date Inj'd : 6/2/2020 4:25 pm Instrument : Elaine
Sample : I8260STDL0.5PPB Quant Date : 6/3/2020 1:27 pm

Compound #41: Benzene



Original Peak Response = 5346



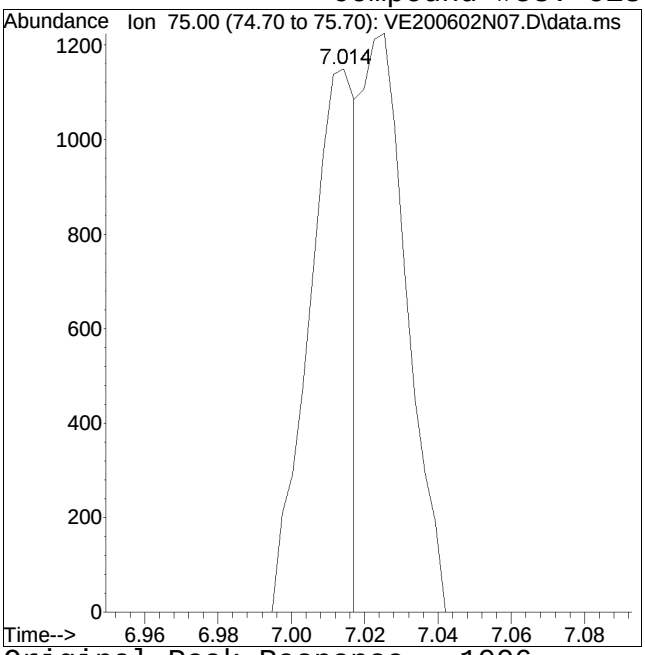
Manual Peak Response = 5477 M1

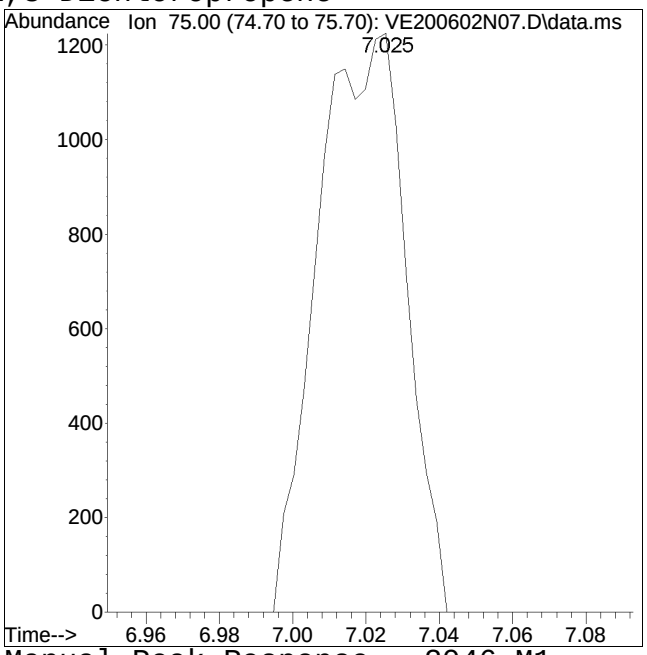
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200602N_8260.m
Data File : VE200602N07.D Operator : ELAINE:NLK
Date Inj'd : 6/2/2020 4:25 pm Instrument : Elaine
Sample : I8260STDL0.5PPB Quant Date : 6/3/2020 1:27 pm

Compound #58: cis-1,3-Dichloropropene



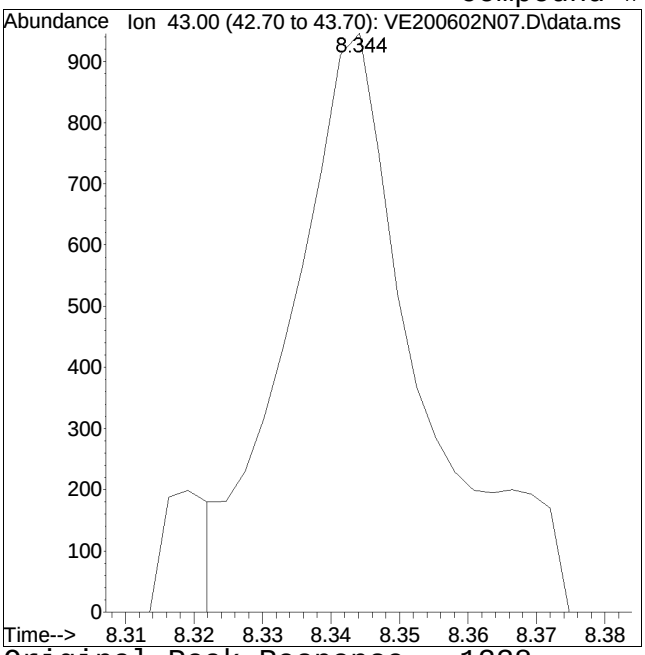


Original Peak Response = 1006 Manual Peak Response = 2046 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

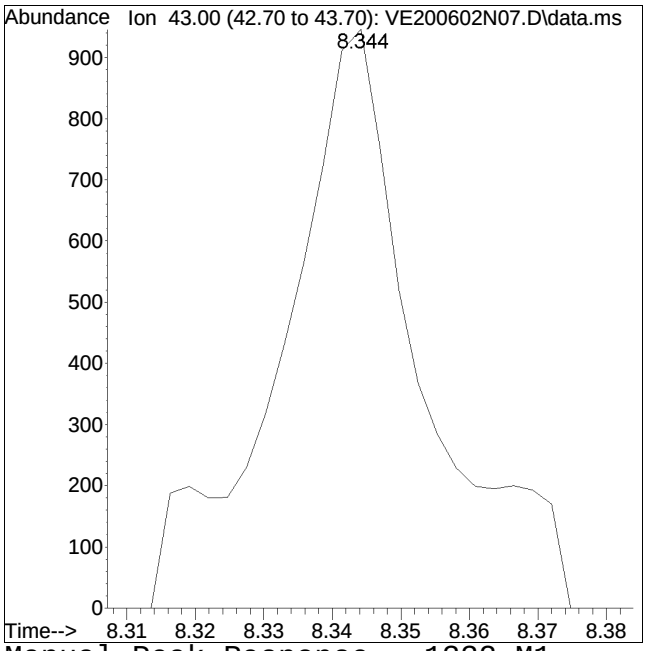
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200602N_8260.m
Data File : VE200602N07.D Operator : ELAINE:NLK
Date Inj'd : 6/2/2020 4:25 pm Instrument : Elaine
Sample : I8260STDL0.5PPB Quant Date : 6/3/2020 1:27 pm

Compound #72: 2-Hexanone



Original Peak Response = 1238



Manual Peak Response = 1332 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2020\200602N\
Data File : VE200602N09.D
Acq On : 2 Jun 2020 5:10 pm
Operator : ELAINE:NLK
Sample : I8260STDL2.0PPB
Misc : WG1377468
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 03 14:54:00 2020
Quant Method : I:\VOLATILES\Elaine\2020\200602N\Elaine_200602N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jun 03 12:52:52 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2020\200602N\VE200602N10.D
Sub List : 8260-CurvePenta - All compounds listed

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.489	96	176669	10.000 ug/L	0.00
Standard Area 1 = 179437			Recovery = 98.46%		
59) Chlorobenzene-d5	8.497	117	130885	10.000 ug/L	0.00
Standard Area 1 = 132096			Recovery = 99.08%		
79) 1,4-Dichlorobenzene-d4	9.988	152	61879	10.000 ug/L	0.00
Standard Area 1 = 65606			Recovery = 94.32%		
System Monitoring Compounds					
36) Dibromofluoromethane	4.505	113	41476	10.038 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.38%		
43) 1,2-Dichloroethane-d4	5.147	65	52034	10.190 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.90%		
60) Toluene-d8	7.195	98	172618	10.185 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.85%		
83) 4-Bromofluorobenzene	9.318	95	66206	10.397 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.97%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.938	85	6281	1.776 ug/L	98
3) Chloromethane	1.060	50	7212	2.055 ug/L	94
4) Vinyl chloride	1.113	62	7580	1.880 ug/L	92
5) Bromomethane	1.319	94	3215	2.135 ug/L	88
6) Chloroethane	1.400	64	4772	1.977 ug/L	93
7) Trichlorofluoromethane	1.497	101	8769	1.784 ug/L	98
8) Ethyl ether	1.736	74	3268	1.787 ug/L	70
10) 1,1-Dichloroethene	1.864	96	5107	1.806 ug/L #	77
11) Carbon disulfide	1.867	76	12200	1.942 ug/L	95
12) Freon-113	1.906	101	5447	1.789 ug/L	94
13) Iodomethane	1.967	142	1440	1.123 ug/L #	81
14) Acrolein	2.148	56	995	1.694 ug/L	93
15) Methylene chloride	2.357	84	6434	2.044 ug/L	80
17) Acetone	2.418	43	1370M1	1.899 ug/L	
18) trans-1,2-Dichloroethene	2.496	96	5589	1.803 ug/L	88
19) Methyl acetate	2.546	43	4430	2.081 ug/L #	97
20) Methyl tert-butyl ether	2.627	73	15899	1.865 ug/L #	87
21) tert-Butyl alcohol	2.780	59	2697M1	8.482 ug/L	
22) Diisopropyl ether	3.049	45	23150	1.865 ug/L	89
23) 1,1-Dichloroethane	3.138	63	12195	1.909 ug/L	94
24) Halothane	3.289	117	5312	2.138 ug/L	99

Data Path : I:\VOLATILES\Elaine\2020\200602N\
Data File : VE200602N09.D
Acq On : 2 Jun 2020 5:10 pm
Operator : ELAINE:NLK
Sample : I8260STDL2.0PPB
Misc : WG1377468
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 03 14:54:00 2020
Quant Method : I:\VOLATILES\Elaine\2020\200602N\Elaine_200602N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jun 03 12:52:52 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2020\200602N\VE200602N10.D
Sub List : 8260-CurvePenta - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	3.214	53	1681	1.771	ug/L	#	90
26) Ethyl tert-butyl ether	3.492	59	22189	1.876	ug/L		92
27) Vinyl acetate	3.511	43	14698	1.817	ug/L		98
28) cis-1,2-Dichloroethene	3.828	96	6393	1.886	ug/L	#	80
29) 2,2-Dichloropropane	3.973	77	9335M1	1.930	ug/L		
30) Bromochloromethane	4.107	128	2906	1.820	ug/L	#	65
31) Cyclohexane	4.059	56	12811	2.006	ug/L		85
32) Chloroform	4.260	83	10856	1.935	ug/L	#	95
33) Ethyl acetate	4.513	43	4244	1.731	ug/L	#	88
34) Carbon tetrachloride	4.374	117	8030	1.826	ug/L	#	92
35) Tetrahydrofuran	4.452	42	1549M1	1.922	ug/L		
37) 1,1,1-Trichloroethane	4.480	97	10038	1.910	ug/L	#	97
39) 2-Butanone	4.705	43	1784	1.475	ug/L	#	76
40) 1,1-Dichloropropene	4.652	75	8181	1.997	ug/L	#	85
41) Benzene	4.964	78	25317	1.906	ug/L		93
42) tert-Amyl methyl ether	5.189	73	17704	1.796	ug/L		93
44) 1,2-Dichloroethane	5.231	62	8647	1.975	ug/L		98
47) Methyl cyclohexane	5.637	83	11124	1.900	ug/L		81
48) Trichloroethene	5.681	95	5864	1.778	ug/L	#	87
50) Dibromomethane	6.138	93	3301	1.909	ug/L		95
51) 1,2-Dichloropropane	6.249	63	6765	1.845	ug/L		91
53) 2-Chloroethyl vinyl ether	7.009	63	3943	1.784	ug/L		94
54) Bromodichloromethane	6.358	83	7717	1.803	ug/L	#	95
57) 1,4-Dioxane	6.583	88	9835	389.621	ug/L	#	80
58) cis-1,3-Dichloropropene	7.020	75	9343	1.747	ug/L		93
61) Toluene	7.245	92	16545	1.920	ug/L		98
62) 4-Methyl-2-pentanone	7.660	58	2045	1.741	ug/L	#	80
63) Tetrachloroethene	7.596	166	7443	2.059	ug/L		86
65) trans-1,3-Dichloropropene	7.676	75	8227	1.777	ug/L		92
67) Ethyl methacrylate	7.863	69	6594	1.714	ug/L		99
68) 1,1,2-Trichloroethane	7.804	83	3946	1.767	ug/L		92
69) Chlorodibromomethane	7.935	129	5430	1.753	ug/L		93
70) 1,3-Dichloropropane	8.016	76	8688	1.769	ug/L		96
71) 1,2-Dibromoethane	8.096	107	4955	1.841	ug/L		98
72) 2-Hexanone	8.344	43	4345	2.162	ug/L		91
73) Chlorobenzene	8.508	112	17077	1.840	ug/L		97
74) Ethylbenzene	8.547	91	30503	1.880	ug/L		98
75) 1,1,1,2-Tetrachloroethane	8.567	131	5599	1.702	ug/L		97
76) p/m Xylene	8.656	106	24808	3.928	ug/L		91
77) o Xylene	8.939	106	22469	3.673	ug/L		95

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2020\200602N\
Data File : VE200602N09.D
Acq On : 2 Jun 2020 5:10 pm
Operator : ELAINE:NLK
Sample : I8260STDL2.0PPB
Misc : WG1377468
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 03 14:54:00 2020
Quant Method : I:\VOLATILES\Elaine\2020\200602N\Elaine_200602N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jun 03 12:52:52 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2020\200602N\VE200602N10.D
Sub List : 8260-CurvePenta - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
78) Styrene	8.978	104	37820	3.697	ug/L		91
80) Bromoform	8.981	173	3188	1.766	ug/L		92
82) Isopropylbenzene	9.151	105	31562	2.041	ug/L		98
84) Bromobenzene	9.373	156	7520	1.986	ug/L		99
85) n-Propylbenzene	9.410	91	35808	2.009	ug/L		97
86) 1,4-Dichlorobutane	9.418	55	9387	1.865	ug/L		94
87) 1,1,2,2-Tetrachloroethane	9.465	83	5633	1.806	ug/L		97
88) 4-Ethyltoluene	9.479	105	29372	1.952	ug/L		99
89) 2-Chlorotoluene	9.493	91	24721	2.002	ug/L		100
90) 1,3,5-Trimethylbenzene	9.535	105	24969	1.937	ug/L		91
91) 1,2,3-Trichloropropane	9.532	75	4689	1.817	ug/L		93
92) trans-1,4-Dichloro-2-b...	9.565	53	1736	1.793	ug/L	#	81
93) 4-Chlorotoluene	9.596	91	21971	1.993	ug/L		96
94) tert-Butylbenzene	9.721	119	25029	2.095	ug/L		94
95) Pentachloroethane	9.730	167	3649	3.100	ug/L		95
97) 1,2,4-Trimethylbenzene	9.763	105	24647	1.988	ug/L		93
98) sec-Butylbenzene	9.824	105	30514	1.886	ug/L		97
99) p-Isopropyltoluene	9.913	119	26666	1.946	ug/L		97
100) 1,3-Dichlorobenzene	9.941	146	13577	1.944	ug/L		98
101) 1,4-Dichlorobenzene	9.994	146	13192	1.929	ug/L		93
102) p-Diethylbenzene	10.122	119	15328	1.909	ug/L		92
103) n-Butylbenzene	10.155	91	22056	1.808	ug/L		98
104) 1,2-Dichlorobenzene	10.236	146	13050	1.980	ug/L		96
105) 1,2,4,5-Tetramethylben...	10.578	119	24766	1.945	ug/L		96
106) 1,2-Dibromo-3-chloropr...	10.695	155	925	2.027	ug/L		92
107) 1,3,5-Trichlorobenzene	10.706	180	9545	1.974	ug/L		93
108) Hexachlorobutadiene	11.051	225	3663	1.891	ug/L		92
109) 1,2,4-Trichlorobenzene	11.065	180	7919	1.799	ug/L		96
110) Naphthalene	11.246	128	17546	1.754	ug/L		100
111) 1,2,3-Trichlorobenzene	11.349	180	7673	1.951	ug/L		95

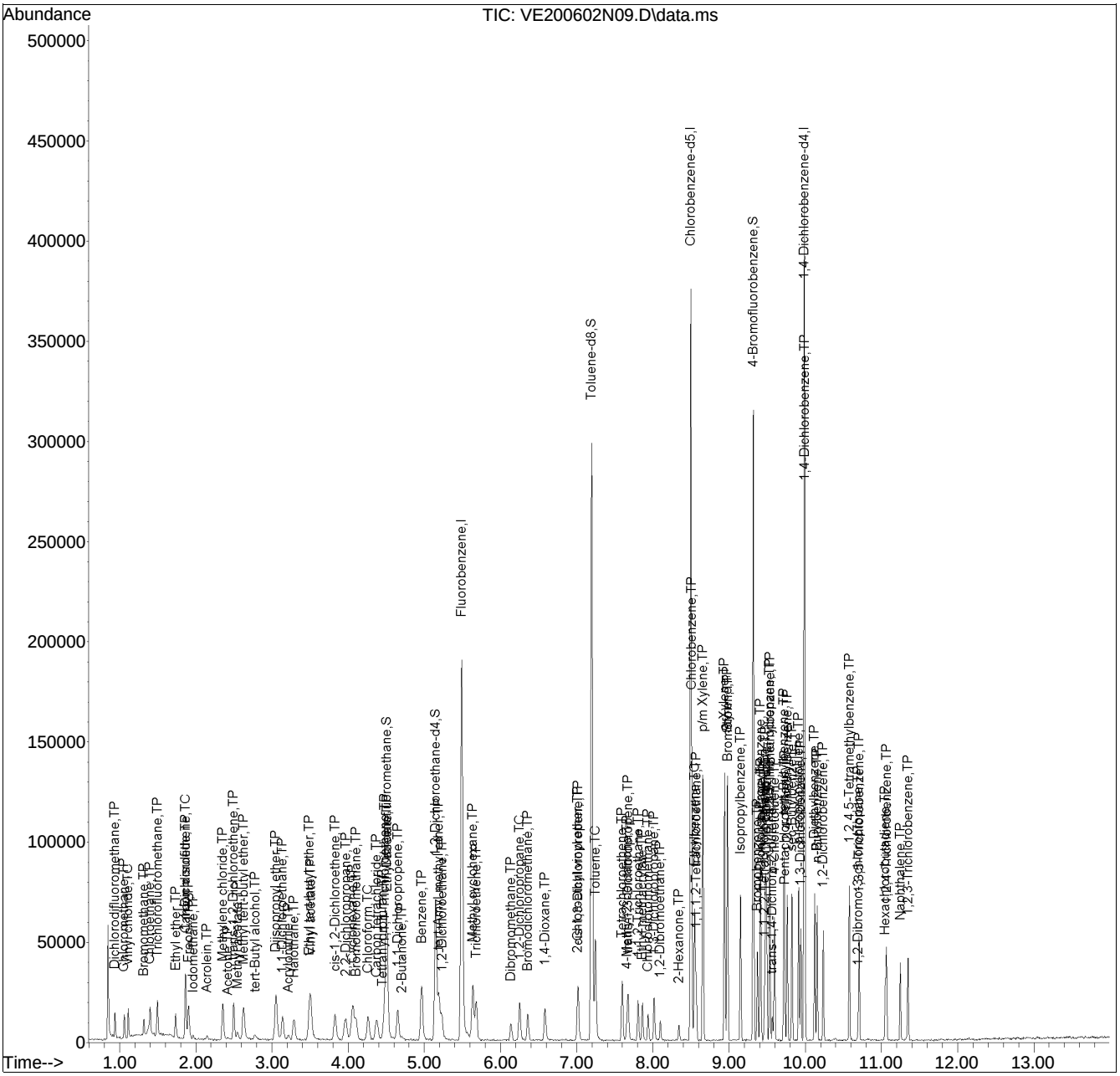
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2020\200602N\
Data File : VE200602N09.D
Acq On : 2 Jun 2020 5:10 pm
Operator : ELAINE:NLK
Sample : I8260STDL2.0PPB
Misc : WG1377468
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 03 14:54:00 2020
Quant Method : I:\VOLATILES\Elaine\2020\200602N\Elaine_200602N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jun 03 12:52:52 2020
Response via : Initial Calibration

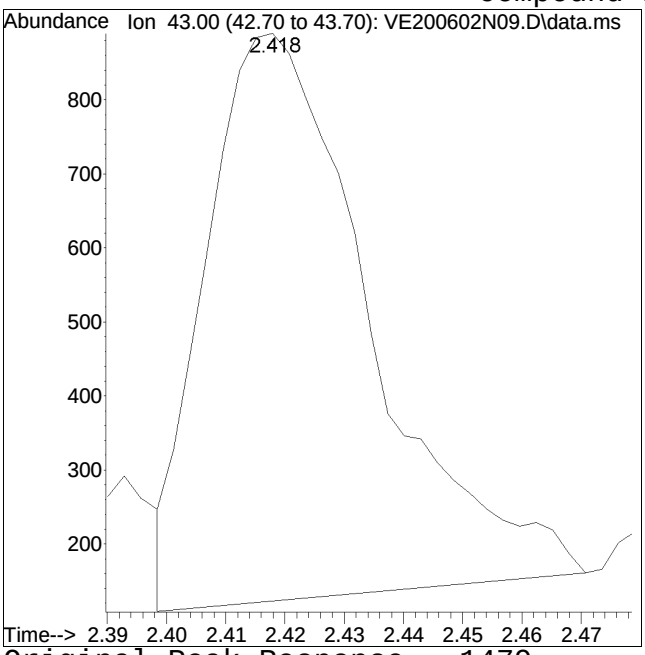
Sub List : 8260-CurvePenta - All compounds listedE200602N10.D•



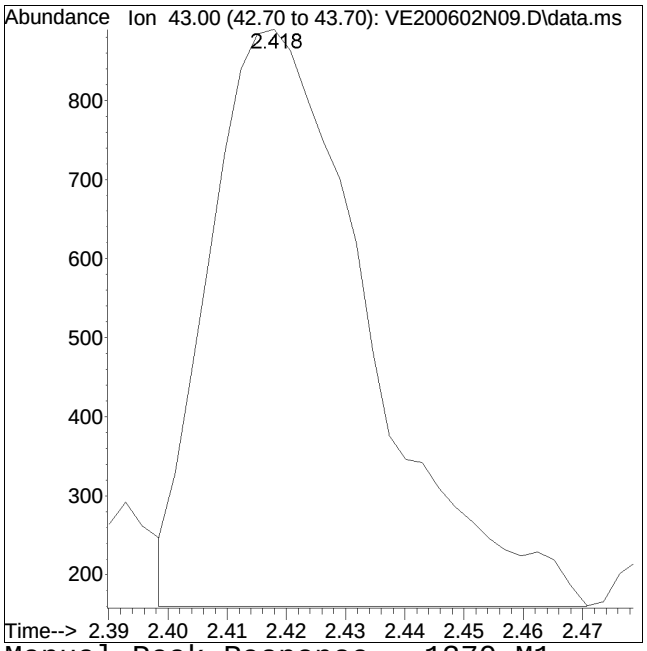
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200602N_8260.m
Data File : VE200602N09.D Operator : ELAINE:NLK
Date Inj'd : 6/2/2020 5:10 pm Instrument : Elaine
Sample : I8260STDL2.0PPB Quant Date : 6/3/2020 12:53 pm

Compound #17: Acetone



Original Peak Response = 1479



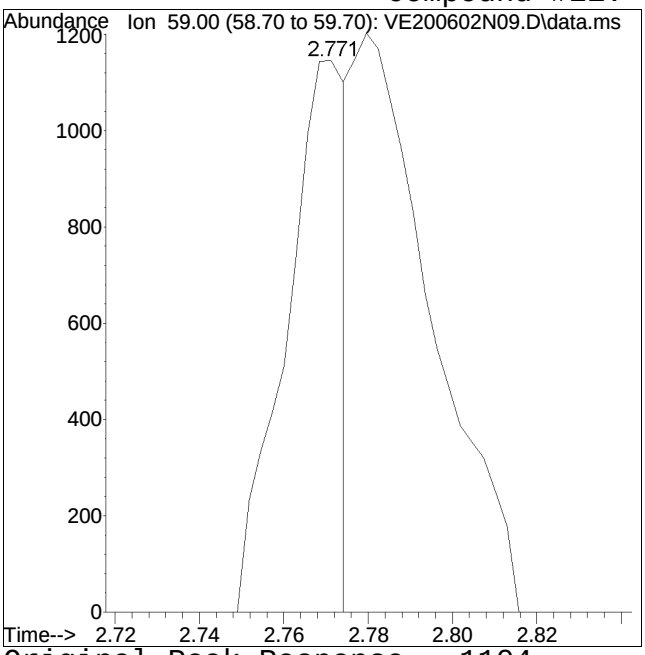
Manual Peak Response = 1370 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

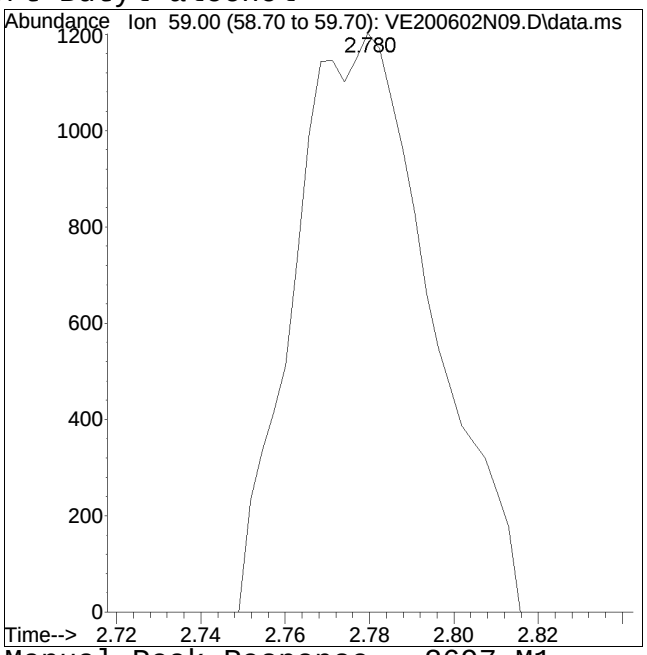
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200602N_8260.m
Data File : VE200602N09.D Operator : ELAINE:NLK
Date Inj'd : 6/2/2020 5:10 pm Instrument : Elaine
Sample : I8260STDL2.0PPB Quant Date : 6/3/2020 12:53 pm

Compound #21: tert-Butyl alcohol



Original Peak Response = 1104



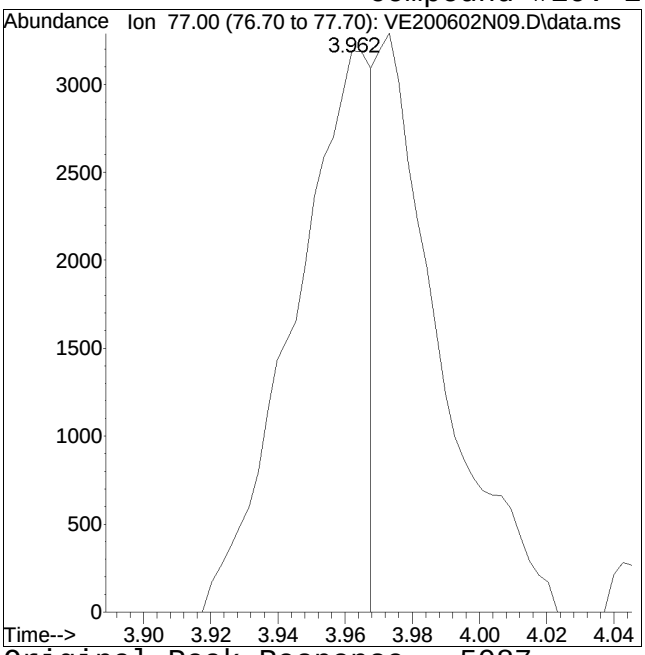
Manual Peak Response = 2697 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

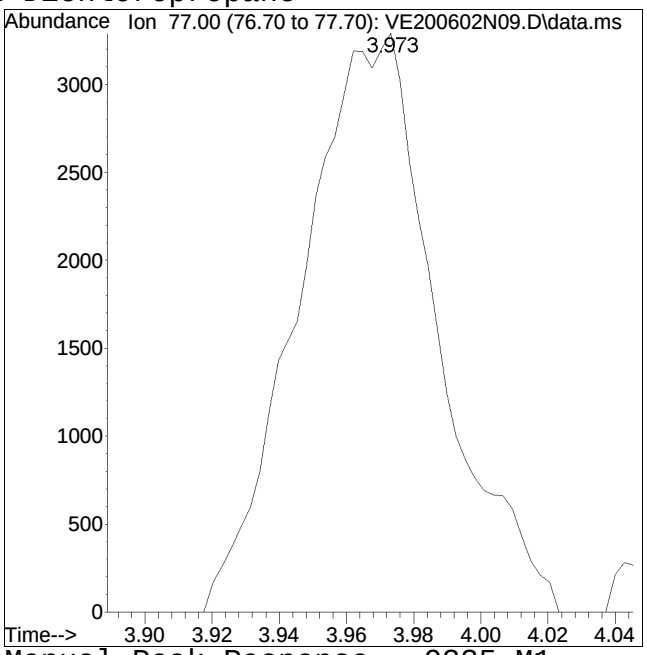
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200602N_8260.m
Data File : VE200602N09.D Operator : ELAINE:NLK
Date Inj'd : 6/2/2020 5:10 pm Instrument : Elaine
Sample : I8260STDL2.0PPB Quant Date : 6/3/2020 12:53 pm

Compound #29: 2,2-Dichloropropane



Original Peak Response = 5087



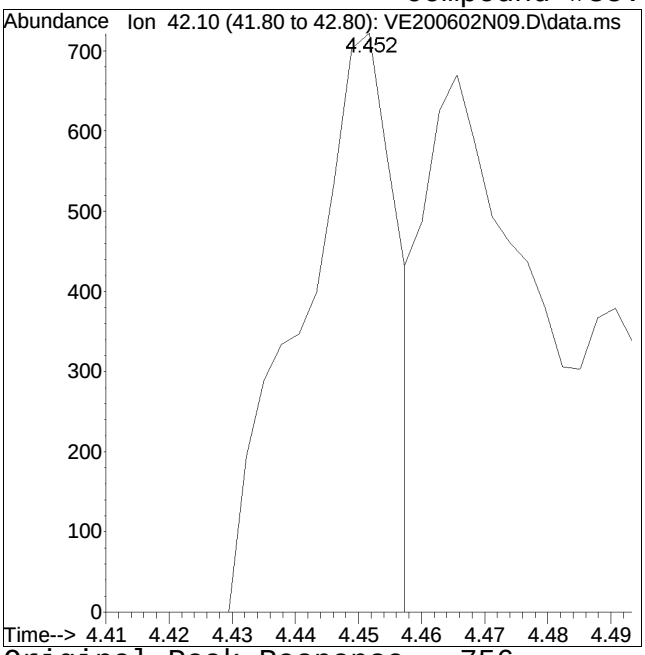
Manual Peak Response = 9335 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

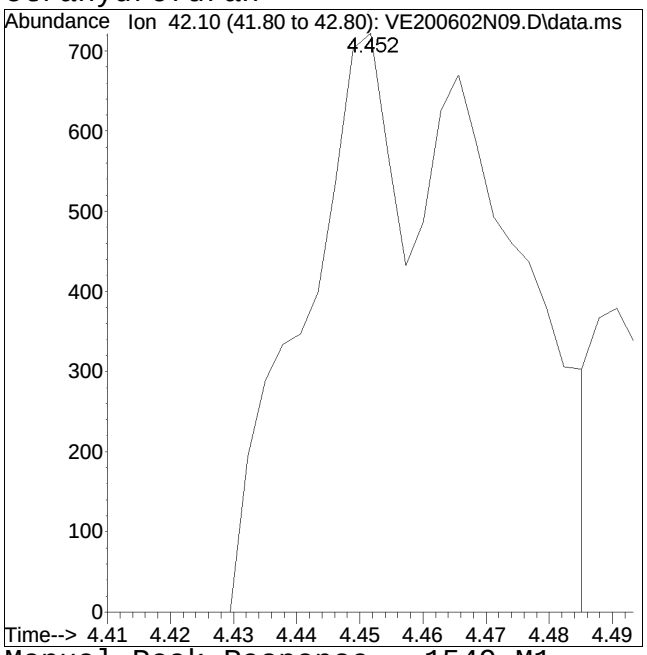
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200602N_8260.m
Data File : VE200602N09.D Operator : ELAINE:NLK
Date Inj'd : 6/2/2020 5:10 pm Instrument : Elaine
Sample : I8260STDL2.0PPB Quant Date : 6/3/2020 12:53 pm

Compound #35: Tetrahydrofuran



Original Peak Response = 756



Manual Peak Response = 1549 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2020\200602N\
Data File : VE200602N10.D
Acq On : 2 Jun 2020 5:32 pm
Operator : ELAINE:NLK
Sample : I8260STDL10.0PPB
Misc : WG1377468
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 03 12:50:18 2020
Quant Method : I:\VOLATILES\Elaine\2020\200602N\Elaine_200602N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 22 18:53:41 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2020\200602N\VE200602N10.D
Sub List : 8260-CurvePenta - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.489	96	179437	10.000	ug/L	0.00
Standard Area 1 = 179437			Recovery = 100.00%			
59) Chlorobenzene-d5	8.497	117	132096	10.000	ug/L	0.00
Standard Area 1 = 132096			Recovery = 100.00%			
79) 1,4-Dichlorobenzene-d4	9.986	152	65606	10.000	ug/L	0.00
Standard Area 1 = 65606			Recovery = 100.00%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.505	113	41968	9.845	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.45%			
43) 1,2-Dichloroethane-d4	5.147	65	51865	10.265	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.65%			
60) Toluene-d8	7.195	98	171046	9.586	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.86%			
83) 4-Bromofluorobenzene	9.318	95	67514	10.735	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 107.35%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.938	85	35910	12.208	ug/L	99
3) Chloromethane	1.060	50	35640	7.967	ug/L	99
4) Vinyl chloride	1.113	62	40947	9.948	ug/L	98
5) Bromomethane	1.319	94	15294	6.900	ug/L	100
6) Chloroethane	1.400	64	24511	10.333	ug/L	98
7) Trichlorofluoromethane	1.497	101	49914	11.137	ug/L	96
8) Ethyl ether	1.733	74	18571	9.519	ug/L	73
10) 1,1-Dichloroethene	1.864	96	28721	9.701	ug/L #	72
11) Carbon disulfide	1.867	76	63791	9.480	ug/L	98
12) Freon-113	1.906	101	30917	10.229	ug/L	90
13) Iodomethane	1.964	142	13026	3.457	ug/L	84
14) Acrolein	2.148	56	5966	12.452	ug/L	92
15) Methylene chloride	2.354	84	31971	9.459	ug/L	80
17) Acetone	2.415	43	7327	8.961	ug/L	99
18) trans-1,2-Dichloroethene	2.499	96	31483	10.619	ug/L	81
19) Methyl acetate	2.543	43	21619	8.810	ug/L #	93
20) Methyl tert-butyl ether	2.624	73	86575	9.449	ug/L	99
21) tert-Butyl alcohol	2.777	59	16148M1	54.987	ug/L	
22) Diisopropyl ether	3.049	45	126090	8.884	ug/L	94
23) 1,1-Dichloroethane	3.138	63	64898	9.963	ug/L	98
24) Halothane	3.280	117	25235	9.062	ug/L	99

Data Path : I:\VOLATILES\Elaine\2020\200602N\
Data File : VE200602N10.D
Acq On : 2 Jun 2020 5:32 pm
Operator : ELAINE:NLK
Sample : I8260STDL10.0PPB
Misc : WG1377468
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 03 12:50:18 2020
Quant Method : I:\VOLATILES\Elaine\2020\200602N\Elaine_200602N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 22 18:53:41 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2020\200602N\VE200602N10.D
Sub List : 8260-CurvePenta - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	3.219	53	9638M1	8.737	ug/L		
26) Ethyl tert-butyl ether	3.495	59	120143	9.664	ug/L		90
27) Vinyl acetate	3.511	43	82158	8.554	ug/L		97
28) cis-1,2-Dichloroethene	3.826	96	34435	9.226	ug/L	#	76
29) 2,2-Dichloropropane	3.965	77	49135	9.734	ug/L		93
30) Bromochloromethane	4.101	128	16215	9.958	ug/L	#	67
31) Cyclohexane	4.057	56	64878	9.391	ug/L		76
32) Chloroform	4.260	83	56986	9.891	ug/L		99
33) Ethyl acetate	4.505	43	24896	8.001	ug/L	#	92
34) Carbon tetrachloride	4.371	117	44666	10.124	ug/L		99
35) Tetrahydrofuran	4.449	42	8184	9.278	ug/L	#	67
37) 1,1,1-Trichloroethane	4.477	97	53368	10.364	ug/L	#	98
39) 2-Butanone	4.699	43	12283	9.081	ug/L	#	74
40) 1,1-Dichloropropene	4.649	75	41607	9.231	ug/L		93
41) Benzene	4.964	78	134928	9.505	ug/L		93
42) tert-Amyl methyl ether	5.189	73	100121	10.089	ug/L		89
44) 1,2-Dichloroethane	5.228	62	44471	9.947	ug/L		97
47) Methyl cyclohexane	5.637	83	59465	10.032	ug/L		81
48) Trichloroethene	5.681	95	33495	9.632	ug/L		91
50) Dibromomethane	6.138	93	17564	9.924	ug/L		91
51) 1,2-Dichloropropane	6.249	63	37245	9.810	ug/L		94
53) 2-Chloroethyl vinyl ether	7.011	63	22443	10.554	ug/L		96
54) Bromodichloromethane	6.358	83	43483	10.084	ug/L		100
57) 1,4-Dioxane	6.583	88	12819	524.202	ug/L	#	78
58) cis-1,3-Dichloropropene	7.020	75	54318	9.695	ug/L		99
61) Toluene	7.245	92	86955	9.955	ug/L		97
62) 4-Methyl-2-pentanone	7.657	58	11858	10.324	ug/L	#	97
63) Tetrachloroethene	7.598	166	36483	9.934	ug/L		89
65) trans-1,3-Dichloropropene	7.674	75	46730	9.391	ug/L		96
67) Ethyl methacrylate	7.863	69	38820	10.014	ug/L		99
68) 1,1,2-Trichloroethane	7.804	83	22544	9.834	ug/L		93
69) Chlorodibromomethane	7.938	129	31270	9.948	ug/L		96
70) 1,3-Dichloropropane	8.016	76	49577	10.307	ug/L		99
71) 1,2-Dibromoethane	8.096	107	27171	10.219	ug/L		100
72) 2-Hexanone	8.341	43	20285	9.465	ug/L		97
73) Chlorobenzene	8.508	112	93658	10.036	ug/L		93
74) Ethylbenzene	8.547	91	163717	10.313	ug/L		97
75) 1,1,1,2-Tetrachloroethane	8.567	131	33200	9.827	ug/L		94
76) p/m Xylene	8.656	106	127486	20.156	ug/L		95
77) o Xylene	8.939	106	123468	20.396	ug/L		91

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2020\200602N\
Data File : VE200602N10.D
Acq On : 2 Jun 2020 5:32 pm
Operator : ELAINE:NLK
Sample : I8260STDL10.0PPB
Misc : WG1377468
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 03 12:50:18 2020
Quant Method : I:\VOLATILES\Elaine\2020\200602N\Elaine_200602N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 22 18:53:41 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2020\200602N\VE200602N10.D
Sub List : 8260-CurvePenta - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Styrene	8.978	104	206485	20.956	ug/L	90
80) Bromoform	8.981	173	19144	10.301	ug/L	93
82) Isopropylbenzene	9.151	105	163963	10.641	ug/L	94
84) Bromobenzene	9.373	156	40142	10.651	ug/L	100
85) n-Propylbenzene	9.410	91	189016	10.921	ug/L	95
86) 1,4-Dichlorobutane	9.418	55	53377	10.060	ug/L	93
87) 1,1,2,2-Tetrachloroethane	9.465	83	33072	11.049	ug/L	98
88) 4-Ethyltoluene	9.479	105	159572	10.971	ug/L	96
89) 2-Chlorotoluene	9.493	91	130903	10.833	ug/L	95
90) 1,3,5-Trimethylbenzene	9.535	105	136642	10.592	ug/L	93
91) 1,2,3-Trichloropropane	9.535	75	27354	10.767	ug/L	97
92) trans-1,4-Dichloro-2-b...	9.568	53	10263	10.074	ug/L	87
93) 4-Chlorotoluene	9.596	91	116883	10.694	ug/L	94
94) tert-Butylbenzene	9.721	119	126673	9.980	ug/L	97
95) Pentachloroethane	9.730	167	12479	5.577	ug/L	91
97) 1,2,4-Trimethylbenzene	9.763	105	131455	10.368	ug/L	93
98) sec-Butylbenzene	9.824	105	171569	11.441	ug/L	98
99) p-Isopropyltoluene	9.913	119	145271	10.439	ug/L	97
100) 1,3-Dichlorobenzene	9.941	146	74057	10.303	ug/L	98
101) 1,4-Dichlorobenzene	9.997	146	72516	10.075	ug/L	98
102) p-Diethylbenzene	10.122	119	85142	10.623	ug/L	94
103) n-Butylbenzene	10.155	91	129320	11.027	ug/L	98
104) 1,2-Dichlorobenzene	10.236	146	69871	10.355	ug/L	96
105) 1,2,4,5-Tetramethylben...	10.578	119	135035	10.612	ug/L	98
106) 1,2-Dibromo-3-chloropr...	10.692	155	4838	9.354	ug/L	91
107) 1,3,5-Trichlorobenzene	10.706	180	51254	10.221	ug/L	95
108) Hexachlorobutadiene	11.051	225	20541	11.468	ug/L	95
109) 1,2,4-Trichlorobenzene	11.065	180	46678	10.026	ug/L	99
110) Naphthalene	11.246	128	106086	10.194	ug/L	100
111) 1,2,3-Trichlorobenzene	11.346	180	41687	9.842	ug/L	98

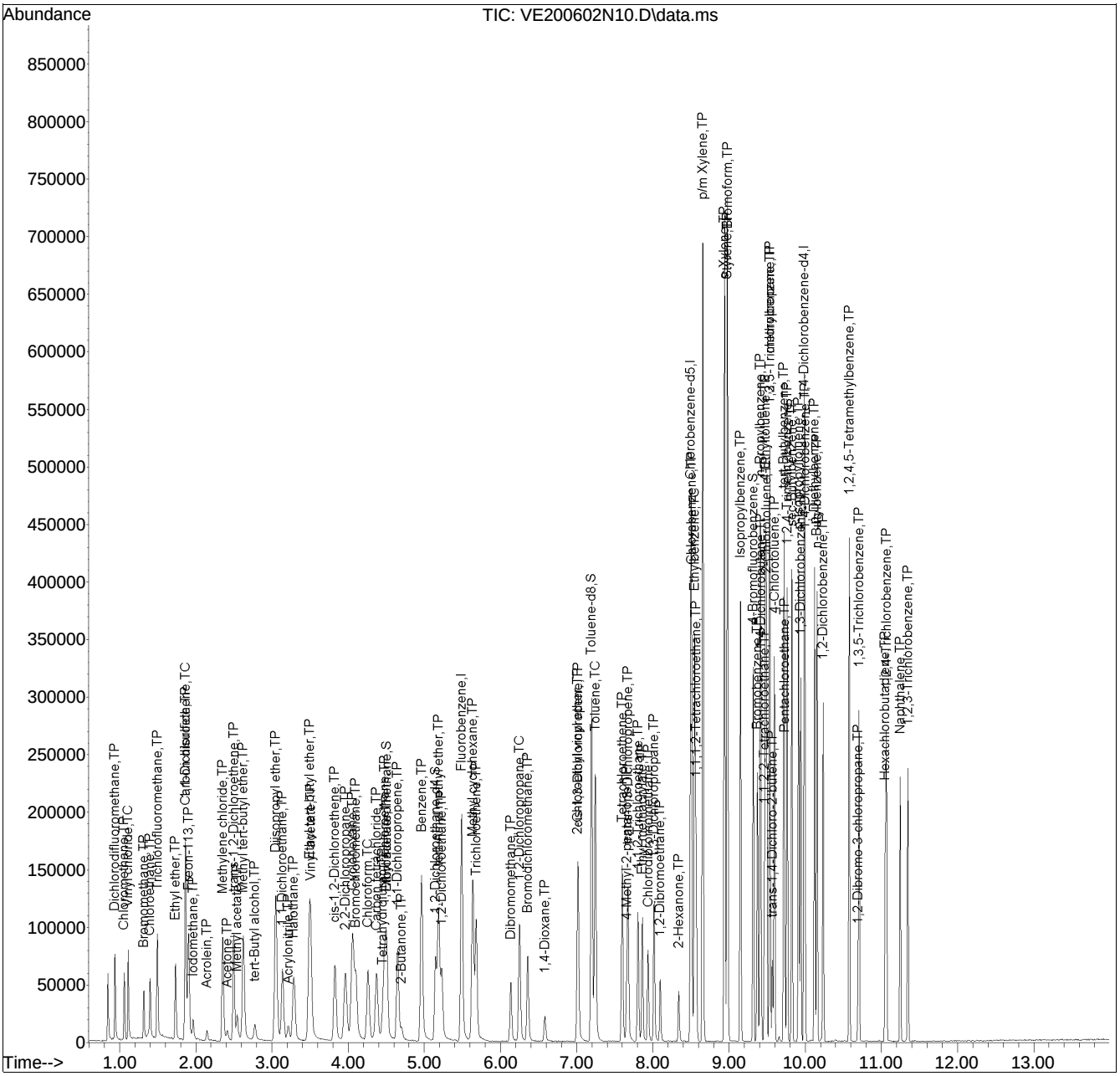
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2020\200602N\
Data File : VE200602N10.D
Acq On : 2 Jun 2020 5:32 pm
Operator : ELAINE:NLK
Sample : I8260STDL10.0PPB
Misc : WG1377468
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 03 12:50:18 2020
Quant Method : I:\VOLATILES\Elaine\2020\200602N\Elaine_200602N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Apr 22 18:53:41 2020
Response via : Initial Calibration

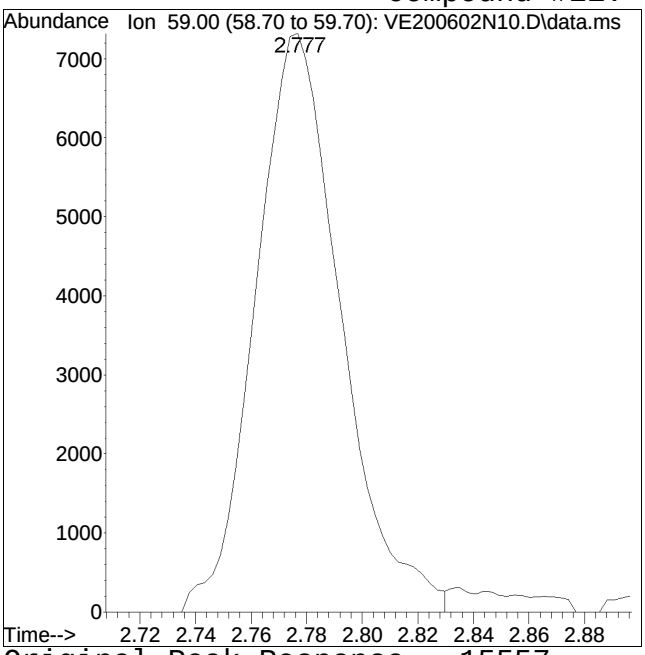
Sub List : 8260-CurvePenta - All compounds listedE200602N10.D•



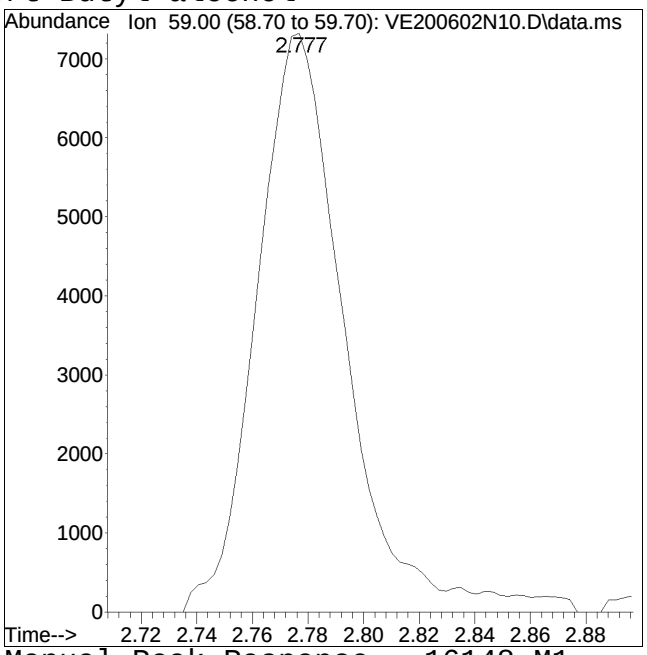
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200602N_8260.m
Data File : VE200602N10.D Operator : ELAINE:NLK
Date Inj'd : 6/2/2020 5:32 pm Instrument : Elaine
Sample : I8260STDL10.0PPB Quant Date : 6/3/2020 12:47 pm

Compound #21: tert-Butyl alcohol



Original Peak Response = 15557



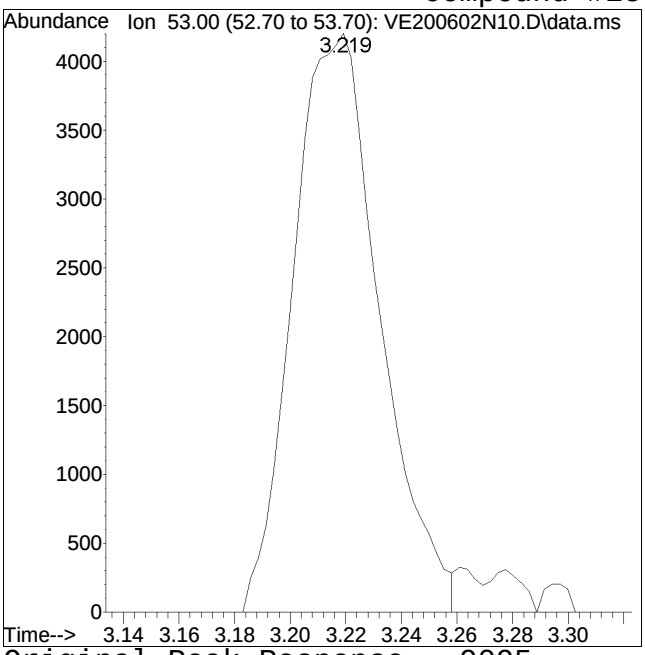
Manual Peak Response = 16148 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

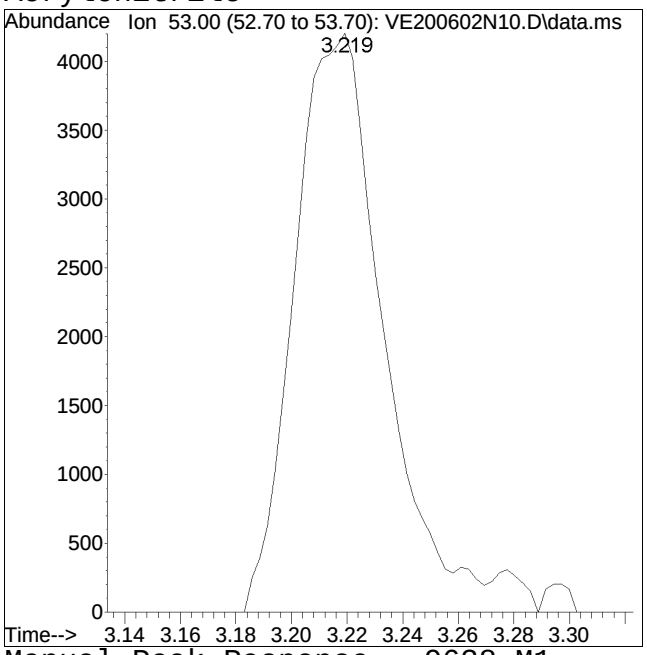
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200602N_8260.m
Data File : VE200602N10.D Operator : ELAINE:NLK
Date Inj'd : 6/2/2020 5:32 pm Instrument : Elaine
Sample : I8260STDL10.0PPB Quant Date : 6/3/2020 12:47 pm

Compound #25: Acrylonitrile



Original Peak Response = 9095



Manual Peak Response = 9638 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2020\200602N\
Data File : VE200602N11.D
Acq On : 2 Jun 2020 5:54 pm
Operator : ELAINE:NLK
Sample : I8260STDL30.0PPB
Misc : WG1377468
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 03 13:04:28 2020
Quant Method : I:\VOLATILES\Elaine\2020\200602N\Elaine_200602N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jun 03 12:52:52 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2020\200602N\VE200602N10.D
Sub List : 8260-CurvePenta - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.490	96	180963	10.000	ug/L	0.00
Standard Area 1 = 179437			Recovery = 100.85%			
59) Chlorobenzene-d5	8.497	117	130858	10.000	ug/L	0.00
Standard Area 1 = 132096			Recovery = 99.06%			
79) 1,4-Dichlorobenzene-d4	9.988	152	65749	10.000	ug/L	0.00
Standard Area 1 = 65606			Recovery = 100.22%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.502	113	41798	9.876	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.76%			
43) 1,2-Dichloroethane-d4	5.147	65	52406	10.019	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.19%			
60) Toluene-d8	7.195	98	173252	10.225	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.25%			
83) 4-Bromofluorobenzene	9.318	95	68006	10.051	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.51%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.938	85	91917	25.381	ug/L	98
3) Chloromethane	1.060	50	97900	27.237	ug/L	99
4) Vinyl chloride	1.113	62	103482	25.059	ug/L	96
5) Bromomethane	1.319	94	45419	29.447	ug/L	96
6) Chloroethane	1.400	64	62172	25.151	ug/L	95
7) Trichlorofluoromethane	1.494	101	125249	24.881	ug/L	98
8) Ethyl ether	1.734	74	49672	26.522	ug/L	76
10) 1,1-Dichloroethene	1.861	96	73118	25.243	ug/L #	75
11) Carbon disulfide	1.867	76	177758	27.631	ug/L	100
12) Freon-113	1.903	101	78285	25.107	ug/L	95
13) Iodomethane	1.964	142	54181	41.244	ug/L	85
14) Acrolein	2.145	56	15183	25.235	ug/L	91
15) Methylene chloride	2.354	84	88017	27.298	ug/L	81
17) Acetone	2.412	43	20997	28.415	ug/L	98
18) trans-1,2-Dichloroethene	2.496	96	80199	25.259	ug/L	86
19) Methyl acetate	2.543	43	60732	27.855	ug/L #	93
20) Methyl tert-butyl ether	2.624	73	246111	28.188	ug/L	98
21) tert-Butyl alcohol	2.777	59	45315	139.128	ug/L #	67
22) Diisopropyl ether	3.050	45	342926	26.968	ug/L	94
23) 1,1-Dichloroethane	3.139	63	169180	25.849	ug/L	99
24) Halothane	3.289	117	68502	26.917	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2020\200602N\
Data File : VE200602N11.D
Acq On : 2 Jun 2020 5:54 pm
Operator : ELAINE:NLK
Sample : I8260STDL30.0PPB
Misc : WG1377468
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 03 13:04:28 2020
Quant Method : I:\VOLATILES\Elaine\2020\200602N\Elaine_200602N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jun 03 12:52:52 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2020\200602N\VE200602N10.D
Sub List : 8260-CurvePenta - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	3.214	53	28015M1	28.822	ug/L		
26) Ethyl tert-butyl ether	3.492	59	336567	27.778	ug/L		91
27) Vinyl acetate	3.509	43	232644	28.078	ug/L	#	95
28) cis-1,2-Dichloroethene	3.829	96	94500	27.212	ug/L	#	75
29) 2,2-Dichloropropane	3.962	77	130615	26.359	ug/L		96
30) Bromochloromethane	4.104	128	44692	27.330	ug/L	#	67
31) Cyclohexane	4.057	56	164798	25.187	ug/L		80
32) Chloroform	4.260	83	153624	26.731	ug/L		98
33) Ethyl acetate	4.505	43	81216M1	32.347	ug/L		
34) Carbon tetrachloride	4.374	117	119093	26.438	ug/L		98
35) Tetrahydrofuran	4.441	42	23684	28.695	ug/L	#	74
37) 1,1,1-Trichloroethane	4.474	97	141932	26.371	ug/L	#	98
39) 2-Butanone	4.699	43	34807	28.099	ug/L	#	82
40) 1,1-Dichloropropene	4.649	75	115337	27.487	ug/L		95
41) Benzene	4.964	78	368759	27.100	ug/L		92
42) tert-Amyl methyl ether	5.186	73	274116	27.148	ug/L		92
44) 1,2-Dichloroethane	5.231	62	127164	28.354	ug/L		97
47) Methyl cyclohexane	5.634	83	147014	24.514	ug/L		81
48) Trichloroethene	5.679	95	88996	26.346	ug/L		91
50) Dibromomethane	6.135	93	50999	28.791	ug/L		94
51) 1,2-Dichloropropane	6.249	63	101812	27.105	ug/L		94
53) 2-Chloroethyl vinyl ether	7.009	63	64507	28.500	ug/L		98
54) Bromodichloromethane	6.358	83	120452	27.467	ug/L		99
57) 1,4-Dioxane	6.580	88	16632	643.254	ug/L	#	80
58) cis-1,3-Dichloropropene	7.020	75	153655	28.050	ug/L		97
61) Toluene	7.245	92	238251	27.659	ug/L		95
62) 4-Methyl-2-pentanone	7.657	58	32470	27.641	ug/L	#	91
63) Tetrachloroethene	7.596	166	100184	27.720	ug/L		89
65) trans-1,3-Dichloropropene	7.674	75	134697	29.097	ug/L		99
67) Ethyl methacrylate	7.860	69	111448	28.981	ug/L		99
68) 1,1,2-Trichloroethane	7.804	83	62970	28.196	ug/L		94
69) Chlorodibromomethane	7.938	129	89779	28.983	ug/L		96
70) 1,3-Dichloropropane	8.016	76	134468	27.380	ug/L		99
71) 1,2-Dibromoethane	8.097	107	76120	28.280	ug/L		98
72) 2-Hexanone	8.339	43	57386	28.558	ug/L		97
73) Chlorobenzene	8.508	112	250689	27.020	ug/L		92
74) Ethylbenzene	8.547	91	446122	27.507	ug/L		98
75) 1,1,1,2-Tetrachloroethane	8.567	131	89698	27.273	ug/L		96
76) p/m Xylene	8.656	106	339115	53.704	ug/L		98
77) o Xylene	8.940	106	333789	54.580	ug/L		92

Data Path : I:\VOLATILES\Elaine\2020\200602N\
Data File : VE200602N11.D
Acq On : 2 Jun 2020 5:54 pm
Operator : ELAINE:NLK
Sample : I8260STDL30.0PPB
Misc : WG1377468
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 03 13:04:28 2020
Quant Method : I:\VOLATILES\Elaine\2020\200602N\Elaine_200602N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jun 03 12:52:52 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2020\200602N\VE200602N10.D
Sub List : 8260-CurvePenta - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
78) Styrene	8.978	104	571878	55.916	ug/L		90
80) Bromoform	8.981	173	56380	29.386	ug/L		95
82) Isopropylbenzene	9.151	105	441339	26.858	ug/L		97
84) Bromobenzene	9.374	156	106877	26.567	ug/L		97
85) n-Propylbenzene	9.410	91	504626	26.639	ug/L		96
86) 1,4-Dichlorobutane	9.418	55	147057	27.491	ug/L		94
87) 1,1,2,2-Tetrachloroethane	9.465	83	89585	27.029	ug/L		99
88) 4-Ethyltoluene	9.479	105	430893	26.944	ug/L		96
89) 2-Chlorotoluene	9.493	91	357947	27.285	ug/L		97
90) 1,3,5-Trimethylbenzene	9.535	105	362409	26.465	ug/L		91
91) 1,2,3-Trichloropropane	9.535	75	77216	28.167	ug/L		98
92) trans-1,4-Dichloro-2-b...	9.568	53	27414	26.653	ug/L	#	80
93) 4-Chlorotoluene	9.596	91	318700	27.207	ug/L		95
94) tert-Butylbenzene	9.721	119	359293	28.302	ug/L		93
95) Pentachloroethane	9.730	167	68785	55.001	ug/L		99
97) 1,2,4-Trimethylbenzene	9.763	105	360942	27.398	ug/L		93
98) sec-Butylbenzene	9.824	105	444916	25.876	ug/L		99
99) p-Isopropyltoluene	9.913	119	380138	26.111	ug/L		96
100) 1,3-Dichlorobenzene	9.941	146	200239	26.980	ug/L		99
101) 1,4-Dichlorobenzene	9.997	146	199263	27.419	ug/L		98
102) p-Diethylbenzene	10.122	119	224657	26.329	ug/L		96
103) n-Butylbenzene	10.155	91	333849	25.760	ug/L		97
104) 1,2-Dichlorobenzene	10.236	146	191103	27.291	ug/L		98
105) 1,2,4,5-Tetramethylben...	10.578	119	367433	27.151	ug/L		97
106) 1,2-Dibromo-3-chloropr...	10.692	155	14391	29.681	ug/L		89
107) 1,3,5-Trichlorobenzene	10.706	180	142632	27.768	ug/L		94
108) Hexachlorobutadiene	11.051	225	48563	23.591	ug/L		98
109) 1,2,4-Trichlorobenzene	11.065	180	129691	27.724	ug/L		98
110) Naphthalene	11.246	128	304261	28.618	ug/L		100
111) 1,2,3-Trichlorobenzene	11.346	180	118906	28.461	ug/L		100

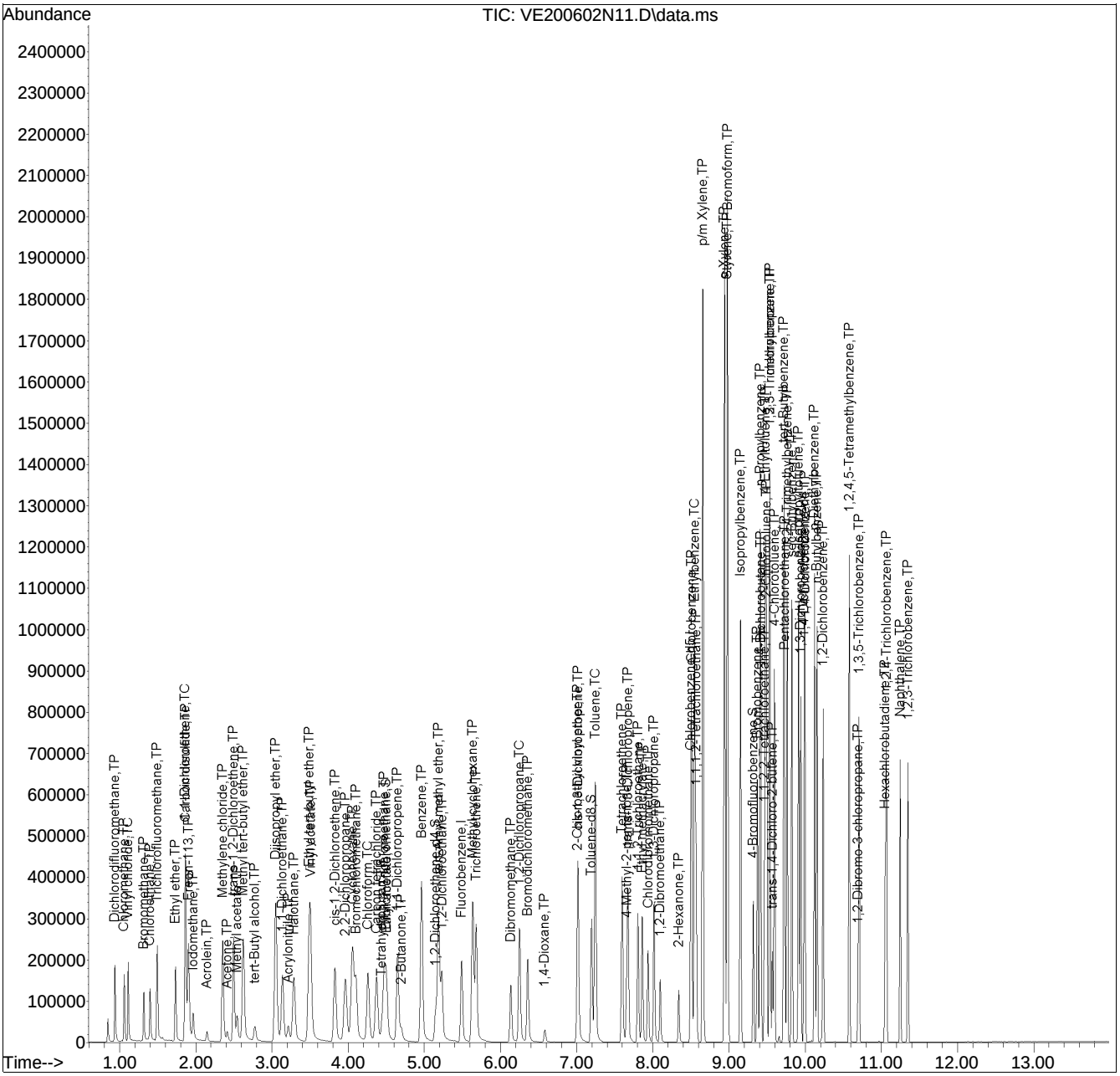
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2020\200602N\
Data File : VE200602N11.D
Acq On : 2 Jun 2020 5:54 pm
Operator : ELAINE:NLK
Sample : I8260STDL30.0PPB
Misc : WG1377468
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 03 13:04:28 2020
Quant Method : I:\VOLATILES\Elaine\2020\200602N\Elaine_200602N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jun 03 12:52:52 2020
Response via : Initial Calibration

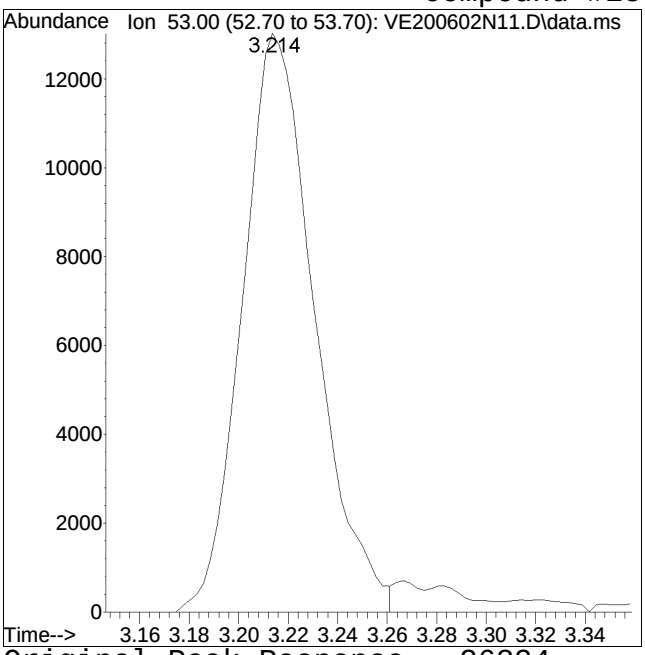
Sub List : 8260-CurvePenta - All compounds listedE200602N10.D•

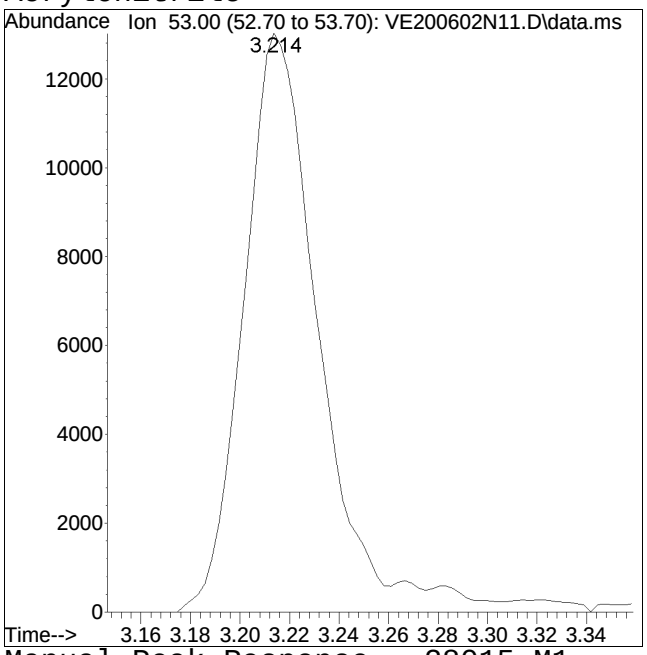


Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200602N_8260.m
Data File : VE200602N11.D Operator : ELAINE:NLK
Date Inj'd : 6/2/2020 5:54 pm Instrument : Elaine
Sample : I8260STDL30.0PPB Quant Date : 6/3/2020 12:53 pm

Compound #25: Acrylonitrile



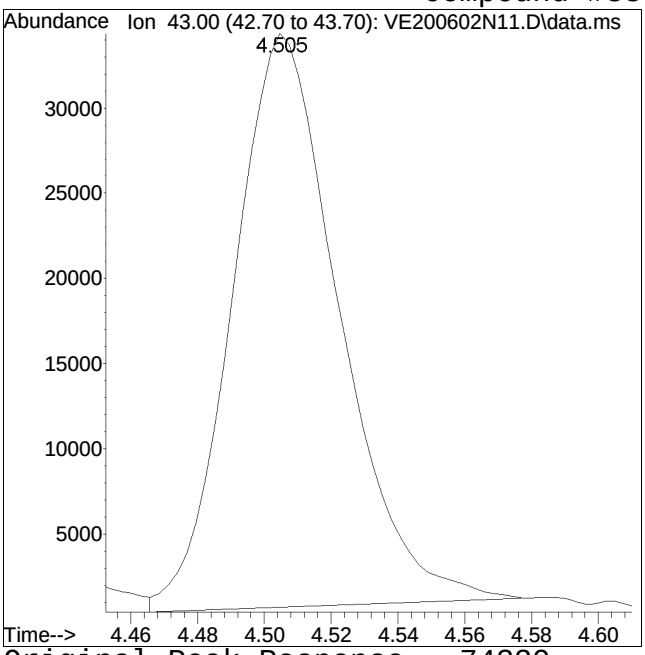


Original Peak Response = 26324 Manual Peak Response = 28015 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

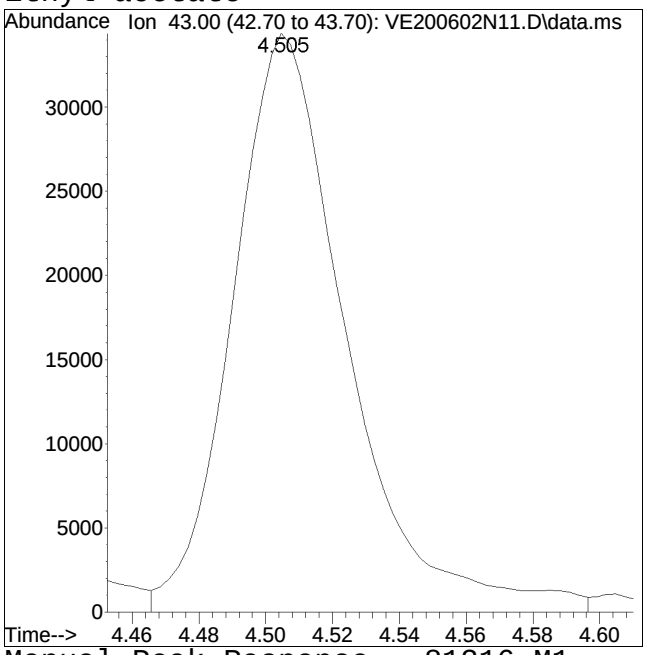
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200602N_8260.m
Data File : VE200602N11.D Operator : ELAINE:NLK
Date Inj'd : 6/2/2020 5:54 pm Instrument : Elaine
Sample : I8260STDL30.0PPB Quant Date : 6/3/2020 12:53 pm

Compound #33: Ethyl acetate



Original Peak Response = 74339



Manual Peak Response = 81216 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2020\200602N\
Data File : VE200602N12.D
Acq On : 2 Jun 2020 6:17 pm
Operator : ELAINE:NLK
Sample : I8260STDL80.0PPB
Misc : WG1377468
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 03 13:06:03 2020
Quant Method : I:\VOLATILES\Elaine\2020\200602N\Elaine_200602N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jun 03 12:52:52 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2020\200602N\VE200602N10.D
Sub List : 8260-CurvePenta - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.490	96	180158	10.000	ug/L	0.00
Standard Area 1 = 179437			Recovery = 100.40%			
59) Chlorobenzene-d5	8.497	117	133259	10.000	ug/L	0.00
Standard Area 1 = 132096			Recovery = 100.88%			
79) 1,4-Dichlorobenzene-d4	9.988	152	65555	10.000	ug/L	0.00
Standard Area 1 = 65606			Recovery = 99.92%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.505	113	43278	10.271	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.71%			
43) 1,2-Dichloroethane-d4	5.147	65	52260	10.036	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.36%			
60) Toluene-d8	7.195	98	173783	10.071	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.71%			
83) 4-Bromofluorobenzene	9.318	95	67031	9.936	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.36%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.938	85	244167	67.722	ug/L	99
3) Chloromethane	1.060	50	237645	66.412	ug/L	98
4) Vinyl chloride	1.110	62	276866	67.345	ug/L	96
5) Bromomethane	1.319	94	120683	78.593	ug/L	100
6) Chloroethane	1.400	64	154991	62.980	ug/L	96
7) Trichlorofluoromethane	1.492	101	336092	67.065	ug/L	98
8) Ethyl ether	1.736	74	128529	68.933	ug/L	74
10) 1,1-Dichloroethene	1.862	96	203274	70.492	ug/L #	70
11) Carbon disulfide	1.867	76	471414	73.604	ug/L	100
12) Freon-113	1.903	101	211099	68.006	ug/L	94
13) Iodomethane	1.964	142	190455	145.626	ug/L	84
14) Acrolein	2.145	56	39220	65.476	ug/L	93
15) Methylene chloride	2.354	84	229792	71.587	ug/L	79
17) Acetone	2.412	43	55950	76.056	ug/L	99
18) trans-1,2-Dichloroethene	2.496	96	213182	67.442	ug/L	85
19) Methyl acetate	2.540	43	153888	70.897	ug/L #	93
20) Methyl tert-butyl ether	2.621	73	640200	73.652	ug/L	98
21) tert-Butyl alcohol	2.777	59	112306	346.348	ug/L #	70
22) Diisopropyl ether	3.050	45	876284	69.219	ug/L	94
23) 1,1-Dichloroethane	3.136	63	438867	67.353	ug/L	99
24) Halothane	3.286	117	183412	72.391	ug/L	100

Data Path : I:\VOLATILES\Elaine\2020\200602N\
Data File : VE200602N12.D
Acq On : 2 Jun 2020 6:17 pm
Operator : ELAINE:NLK
Sample : I8260STDL80.0PPB
Misc : WG1377468
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 03 13:06:03 2020
Quant Method : I:\VOLATILES\Elaine\2020\200602N\Elaine_200602N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jun 03 12:52:52 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2020\200602N\VE200602N10.D
Sub List : 8260-CurvePenta - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	3.217	53	71956	74.360	ug/L		97
26) Ethyl tert-butyl ether	3.492	59	853771	70.779	ug/L		89
27) Vinyl acetate	3.509	43	610884	74.057	ug/L	#	96
28) cis-1,2-Dichloroethene	3.826	96	240580	69.585	ug/L	#	76
29) 2,2-Dichloropropane	3.962	77	326833	66.251	ug/L		96
30) Bromochloromethane	4.101	128	114856	70.550	ug/L	#	64
31) Cyclohexane	4.057	56	439272	67.436	ug/L		75
32) Chloroform	4.260	83	385273	67.338	ug/L		97
33) Ethyl acetate	4.505	43	208164M1	83.279	ug/L		
34) Carbon tetrachloride	4.371	117	313354	69.874	ug/L		99
35) Tetrahydrofuran	4.441	42	57244	69.666	ug/L	#	68
37) 1,1,1-Trichloroethane	4.474	97	368418	68.757	ug/L	#	97
39) 2-Butanone	4.697	43	89975	72.958	ug/L	#	78
40) 1,1-Dichloropropene	4.649	75	301387	72.147	ug/L		95
41) Benzene	4.964	78	945935	69.826	ug/L		92
42) tert-Amyl methyl ether	5.186	73	705851	70.218	ug/L		90
44) 1,2-Dichloroethane	5.228	62	327428	73.333	ug/L		99
47) Methyl cyclohexane	5.634	83	398708	66.781	ug/L		81
48) Trichloroethene	5.679	95	234750	69.805	ug/L		94
50) Dibromomethane	6.135	93	131963	74.832	ug/L		93
51) 1,2-Dichloropropane	6.249	63	260140	69.566	ug/L		93
53) 2-Chloroethyl vinyl ether	7.009	63	170995	75.886	ug/L		94
54) Bromodichloromethane	6.355	83	314696	72.083	ug/L		100
57) 1,4-Dioxane	6.583	88	20931	813.138	ug/L	#	80
58) cis-1,3-Dichloropropene	7.020	75	397802	72.943	ug/L		97
61) Toluene	7.245	92	600919	68.504	ug/L		95
62) 4-Methyl-2-pentanone	7.657	58	83662	69.937	ug/L	#	94
63) Tetrachloroethene	7.596	166	252072	68.490	ug/L		89
65) trans-1,3-Dichloropropene	7.674	75	348824	73.995	ug/L		99
67) Ethyl methacrylate	7.860	69	289339	73.883	ug/L		99
68) 1,1,2-Trichloroethane	7.804	83	160417	70.536	ug/L		93
69) Chlorodibromomethane	7.935	129	235781	74.744	ug/L		96
70) 1,3-Dichloropropane	8.016	76	348539	69.689	ug/L		99
71) 1,2-Dibromoethane	8.097	107	194772	71.058	ug/L		98
72) 2-Hexanone	8.339	43	146003	71.348	ug/L		95
73) Chlorobenzene	8.508	112	645904	68.362	ug/L		91
74) Ethylbenzene	8.547	91	1121260	67.890	ug/L		98
75) 1,1,1,2-Tetrachloroethane	8.567	131	236013	70.468	ug/L		95
76) p/m Xylene	8.656	106	872395	135.667	ug/L		95
77) o Xylene	8.942	106	843817	135.493	ug/L		90

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2020\200602N\
Data File : VE200602N12.D
Acq On : 2 Jun 2020 6:17 pm
Operator : ELAINE:NLK
Sample : I8260STDL80.0PPB
Misc : WG1377468
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 03 13:06:03 2020
Quant Method : I:\VOLATILES\Elaine\2020\200602N\Elaine_200602N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jun 03 12:52:52 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2020\200602N\VE200602N10.D
Sub List : 8260-CurvePenta - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
78) Styrene	8.979	104	1434303	137.713	ug/L		91
80) Bromoform	8.981	173	147926	77.330	ug/L		96
82) Isopropylbenzene	9.151	105	1107283	67.585	ug/L		96
84) Bromobenzene	9.374	156	270929	67.545	ug/L		97
85) n-Propylbenzene	9.410	91	1277870	67.659	ug/L		95
86) 1,4-Dichlorobutane	9.418	55	374506	70.217	ug/L		94
87) 1,1,2,2-Tetrachloroethane	9.465	83	232340	70.307	ug/L		99
88) 4-Ethyltoluene	9.479	105	1101355	69.073	ug/L		96
89) 2-Chlorotoluene	9.493	91	902402	68.990	ug/L		95
90) 1,3,5-Trimethylbenzene	9.535	105	922379	67.556	ug/L		91
91) 1,2,3-Trichloropropane	9.535	75	196806	72.004	ug/L		98
92) trans-1,4-Dichloro-2-b...	9.568	53	70599	68.843	ug/L	#	75
93) 4-Chlorotoluene	9.596	91	816274	69.891	ug/L		95
94) tert-Butylbenzene	9.721	119	915626	72.339	ug/L		93
95) Pentachloroethane	9.730	167	180496	144.752	ug/L		98
97) 1,2,4-Trimethylbenzene	9.763	105	925262	70.441	ug/L		93
98) sec-Butylbenzene	9.824	105	1133017	66.090	ug/L		98
99) p-Isopropyltoluene	9.913	119	980394	67.540	ug/L		96
100) 1,3-Dichlorobenzene	9.941	146	508631	68.734	ug/L		99
101) 1,4-Dichlorobenzene	9.997	146	508875	70.229	ug/L		98
102) p-Diethylbenzene	10.122	119	587895	69.102	ug/L		95
103) n-Butylbenzene	10.155	91	863734	66.842	ug/L		97
104) 1,2-Dichlorobenzene	10.236	146	475461	68.101	ug/L		99
105) 1,2,4,5-Tetramethylben...	10.578	119	946411	70.141	ug/L		98
106) 1,2-Dibromo-3-chloropr...	10.692	155	39127	80.937	ug/L		90
107) 1,3,5-Trichlorobenzene	10.706	180	368331	71.920	ug/L		93
108) Hexachlorobutadiene	11.051	225	128732	62.720	ug/L		97
109) 1,2,4-Trichlorobenzene	11.065	180	343082	73.557	ug/L		98
110) Naphthalene	11.246	128	801207	75.583	ug/L		100
111) 1,2,3-Trichlorobenzene	11.349	180	312493	75.020	ug/L		100

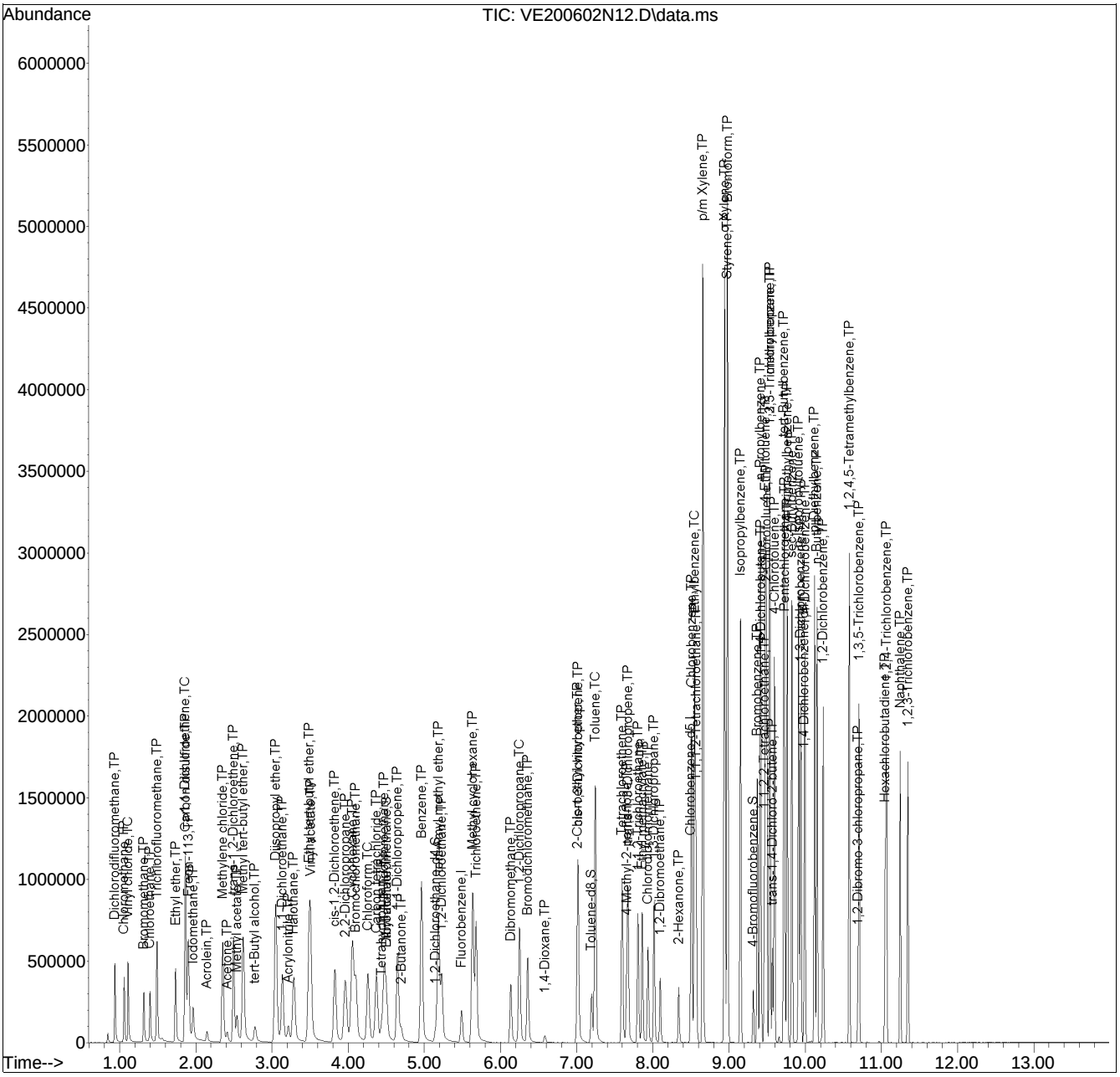
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2020\200602N\
Data File : VE200602N12.D
Acq On : 2 Jun 2020 6:17 pm
Operator : ELAINE:NLK
Sample : I8260STDL80.0PPB
Misc : WG1377468
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 03 13:06:03 2020
Quant Method : I:\VOLATILES\Elaine\2020\200602N\Elaine_200602N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jun 03 12:52:52 2020
Response via : Initial Calibration

Sub List : 8260-CurvePenta - All compounds listedE200602N10.D•

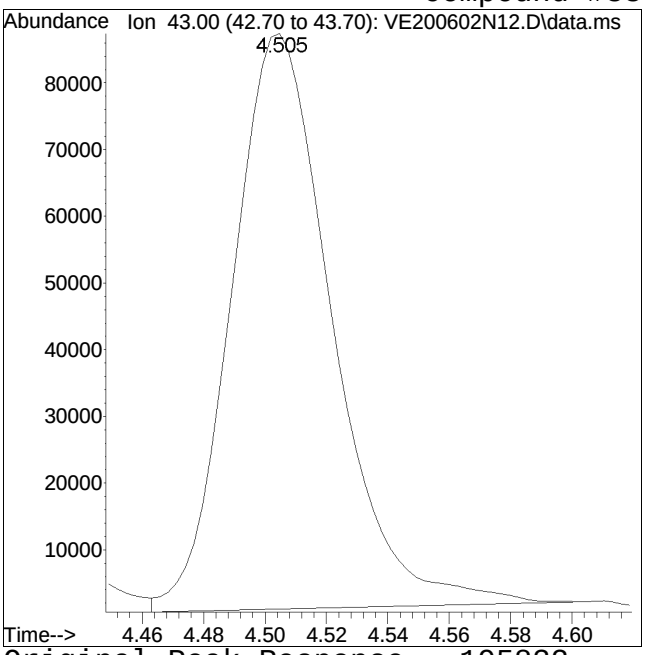


Manual Integration Report

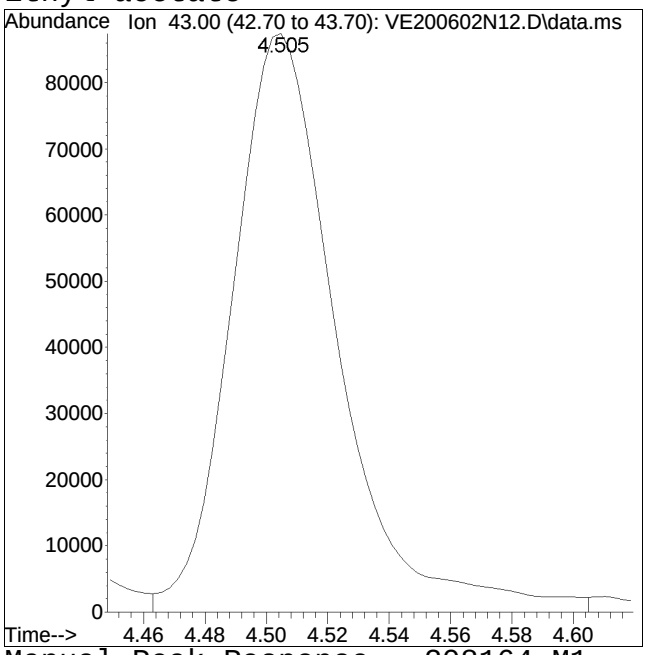
Data Path : I:\VOLATILES\Elaine\2020\2Q
Data File : VE200602N12.D
Date Inj'd : 6/2/2020 6:17 pm
Sample : I8260STDL80.0PPB

Method : Elaine_200602N_8260.m
Operator : ELAINE:NLK
Instrument : Elaine
Quant Date : 6/3/2020 12:54 pm

Compound #33: Ethyl acetate



Original Peak Response = 195832



Manual Peak Response = 208164 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2020\200602N\
Data File : VE200602N13.D
Acq On : 2 Jun 2020 6:39 pm
Operator : ELAINE:NLK
Sample : I8260STDL120.0PPB
Misc : WG1377468
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 03 13:08:24 2020
Quant Method : I:\VOLATILES\Elaine\2020\200602N\Elaine_200602N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jun 03 12:52:52 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2020\200602N\VE200602N10.D
Sub List : 8260-CurvePenta - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.490	96	180674	10.000	ug/L	0.00
Standard Area 1 = 179437			Recovery = 100.69%			
59) Chlorobenzene-d5	8.497	117	133913	10.000	ug/L	0.00
Standard Area 1 = 132096			Recovery = 101.38%			
79) 1,4-Dichlorobenzene-d4	9.989	152	66976	10.000	ug/L	0.00
Standard Area 1 = 65606			Recovery = 102.09%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.505	113	42805	10.130	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.30%			
43) 1,2-Dichloroethane-d4	5.147	65	51711	9.902	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.02%			
60) Toluene-d8	7.195	98	176972	10.206	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.06%			
83) 4-Bromofluorobenzene	9.318	95	67200	9.750	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.50%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.938	85	388300	107.391	ug/L	99
3) Chloromethane	1.060	50	417345	116.298	ug/L	100
4) Vinyl chloride	1.110	62	457662	111.004	ug/L	97
5) Bromomethane	1.319	94	232514	150.989	ug/L	97
6) Chloroethane	1.400	64	256483	103.924	ug/L	97
7) Trichlorofluoromethane	1.489	101	515752	102.621	ug/L	98
8) Ethyl ether	1.736	74	208457	111.480	ug/L	77
10) 1,1-Dichloroethene	1.862	96	338961	117.210	ug/L #	71
11) Carbon disulfide	1.864	76	774739	120.618	ug/L	100
12) Freon-113	1.901	101	348738	112.026	ug/L	92
13) Iodomethane	1.965	142	348632	265.811	ug/L	82
14) Acrolein	2.148	56	63178	105.172	ug/L	96
15) Methylene chloride	2.354	84	379850	117.997	ug/L	79
17) Acetone	2.415	43	87456	118.544	ug/L	97
18) trans-1,2-Dichloroethene	2.496	96	363984	114.821	ug/L	83
19) Methyl acetate	2.540	43	246503	113.241	ug/L #	93
20) Methyl tert-butyl ether	2.624	73	1056857	121.238	ug/L	98
21) tert-Butyl alcohol	2.780	59	184662	567.865	ug/L #	73
22) Diisopropyl ether	3.050	45	1488057	117.207	ug/L	95
23) 1,1-Dichloroethane	3.139	63	750015	114.777	ug/L	100
24) Halothane	3.289	117	305032	120.049	ug/L	98

Data Path : I:\VOLATILES\Elaine\2020\200602N\
Data File : VE200602N13.D
Acq On : 2 Jun 2020 6:39 pm
Operator : ELAINE:NLK
Sample : I8260STDL120.0PPB
Misc : WG1377468
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 03 13:08:24 2020
Quant Method : I:\VOLATILES\Elaine\2020\200602N\Elaine_200602N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jun 03 12:52:52 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2020\200602N\VE200602N10.D
Sub List : 8260-CurvePenta - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	3.217	53	114441	117.926	ug/L		97
26) Ethyl tert-butyl ether	3.492	59	1446436	119.569	ug/L		92
27) Vinyl acetate	3.509	43	984849	119.052	ug/L	#	95
28) cis-1,2-Dichloroethene	3.826	96	405348	116.908	ug/L	#	76
29) 2,2-Dichloropropane	3.965	77	545668	110.295	ug/L		96
30) Bromochloromethane	4.104	128	187907	115.091	ug/L	#	67
31) Cyclohexane	4.057	56	729454	111.665	ug/L		76
32) Chloroform	4.260	83	663167	115.577	ug/L		97
33) Ethyl acetate	4.505	43	319083	127.289	ug/L	#	93
34) Carbon tetrachloride	4.371	117	522663	116.215	ug/L		98
35) Tetrahydrofuran	4.438	42	90562	109.900	ug/L	#	68
37) 1,1,1-Trichloroethane	4.474	97	613494	114.168	ug/L	#	97
39) 2-Butanone	4.697	43	139489	112.785	ug/L	#	74
40) 1,1-Dichloropropene	4.649	75	505423	120.644	ug/L		95
41) Benzene	4.964	78	1606544	118.252	ug/L		92
42) tert-Amyl methyl ether	5.186	73	1162094	115.274	ug/L		91
44) 1,2-Dichloroethane	5.228	62	538300	120.216	ug/L		98
47) Methyl cyclohexane	5.637	83	646818	108.028	ug/L		81
48) Trichloroethene	5.679	95	388744	115.266	ug/L		92
50) Dibromomethane	6.135	93	216619	122.487	ug/L		92
51) 1,2-Dichloropropane	6.249	63	438329	116.882	ug/L		93
53) 2-Chloroethyl vinyl ether	7.012	63	273953	121.230	ug/L		94
54) Bromodichloromethane	6.358	83	533558	121.865	ug/L		98
57) 1,4-Dioxane	6.583	88	31193	1208.341	ug/L	#	79
58) cis-1,3-Dichloropropene	7.020	75	656847	120.098	ug/L		97
61) Toluene	7.245	92	1009751	114.548	ug/L		94
62) 4-Methyl-2-pentanone	7.660	58	132261	110.024	ug/L	#	93
63) Tetrachloroethene	7.599	166	417283	112.825	ug/L		89
65) trans-1,3-Dichloropropene	7.676	75	579276	122.280	ug/L		99
67) Ethyl methacrylate	7.863	69	465694	118.335	ug/L		99
68) 1,1,2-Trichloroethane	7.804	83	261371	114.365	ug/L		93
69) Chlorodibromomethane	7.938	129	390200	123.091	ug/L		96
70) 1,3-Dichloropropane	8.016	76	567063	112.828	ug/L		99
71) 1,2-Dibromoethane	8.097	107	316399	114.867	ug/L		98
72) 2-Hexanone	8.339	43	227137	110.454	ug/L		96
73) Chlorobenzene	8.508	112	1071535	112.857	ug/L		91
74) Ethylbenzene	8.550	91	1852272	111.604	ug/L		98
75) 1,1,1,2-Tetrachloroethane	8.570	131	390289	115.962	ug/L		95
76) p/m Xylene	8.659	106	1429587	221.231	ug/L		93
77) o Xylene	8.942	106	1385450	221.377	ug/L		87

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2020\200602N\
Data File : VE200602N13.D
Acq On : 2 Jun 2020 6:39 pm
Operator : ELAINE:NLK
Sample : I8260STDL120.0PPB
Misc : WG1377468
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 03 13:08:24 2020
Quant Method : I:\VOLATILES\Elaine\2020\200602N\Elaine_200602N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jun 03 12:52:52 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2020\200602N\VE200602N10.D
Sub List : 8260-CurvePenta - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
78)	Styrene	8.981	104	2330188	222.638	ug/L		92
80)	Bromoform	8.984	173	239602	122.598	ug/L		95
82)	Isopropylbenzene	9.151	105	1804053	107.777	ug/L		95
84)	Bromobenzene	9.374	156	447482	109.195	ug/L		97
85)	n-Propylbenzene	9.410	91	2063800	106.953	ug/L		94
86)	1,4-Dichlorobutane	9.418	55	599297	109.980	ug/L		94
87)	1,1,2,2-Tetrachloroethane	9.465	83	372083	110.206	ug/L		99
88)	4-Ethyltoluene	9.482	105	1783731	109.496	ug/L		95
89)	2-Chlorotoluene	9.493	91	1479185	110.687	ug/L		94
90)	1,3,5-Trimethylbenzene	9.535	105	1511942	108.387	ug/L		90
91)	1,2,3-Trichloropropane	9.535	75	312067	111.751	ug/L		98
92)	trans-1,4-Dichloro-2-b...	9.568	53	114000	108.807	ug/L	#	76
93)	4-Chlorotoluene	9.596	91	1344530	112.679	ug/L		94
94)	tert-Butylbenzene	9.721	119	1487780	115.048	ug/L		94
95)	Pentachloroethane	9.730	167	284573	223.377	ug/L		98
97)	1,2,4-Trimethylbenzene	9.763	105	1524955	113.633	ug/L		93
98)	sec-Butylbenzene	9.827	105	1811479	103.423	ug/L		97
99)	p-Isopropyltoluene	9.913	119	1589307	107.165	ug/L		96
100)	1,3-Dichlorobenzene	9.944	146	847008	112.033	ug/L		100
101)	1,4-Dichlorobenzene	9.997	146	842579	113.815	ug/L		98
102)	p-Diethylbenzene	10.125	119	964286	110.940	ug/L		96
103)	n-Butylbenzene	10.155	91	1399538	106.009	ug/L		97
104)	1,2-Dichlorobenzene	10.236	146	793462	111.238	ug/L		99
105)	1,2,4,5-Tetramethylben...	10.578	119	1555904	112.865	ug/L		98
106)	1,2-Dibromo-3-chloropr...	10.695	155	62477	126.497	ug/L		92
107)	1,3,5-Trichlorobenzene	10.706	180	618243	118.156	ug/L		93
108)	Hexachlorobutadiene	11.051	225	211492	100.855	ug/L		97
109)	1,2,4-Trichlorobenzene	11.065	180	571701	119.972	ug/L		98
110)	Naphthalene	11.249	128	1302237	120.242	ug/L		100
111)	1,2,3-Trichlorobenzene	11.349	180	519501	122.070	ug/L		100

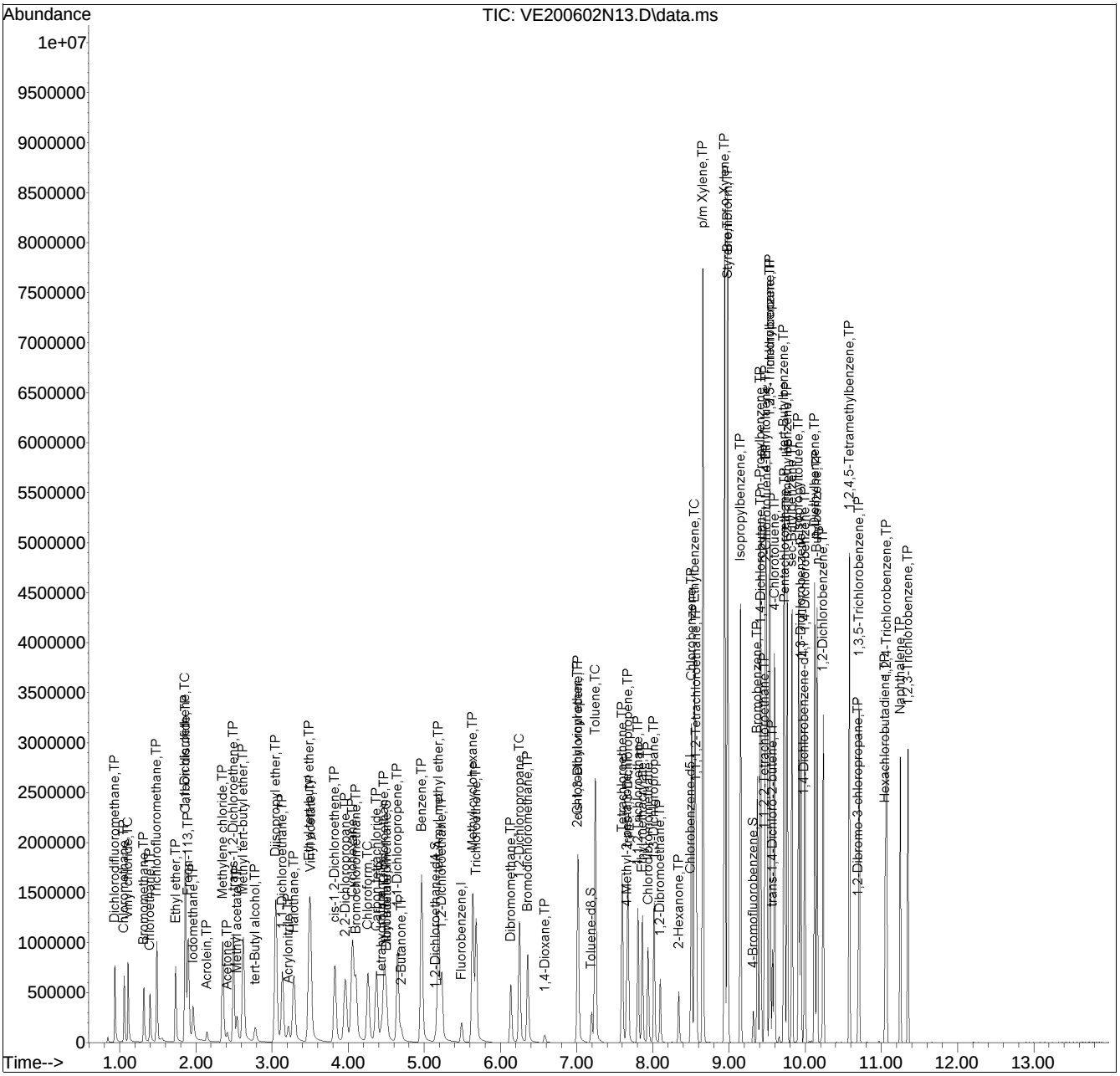
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2020\200602N\
Data File : VE200602N13.D
Acq On : 2 Jun 2020 6:39 pm
Operator : ELAINE:NLK
Sample : I8260STDL120.0PPB
Misc : WG1377468
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 03 13:08:24 2020
Quant Method : I:\VOLATILES\Elaine\2020\200602N\Elaine_200602N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jun 03 12:52:52 2020
Response via : Initial Calibration

Sub List : 8260-CurvePenta - All compounds listedE200602N10.D•



Manual Integration Report

Data Path	: I:\VOLATILES\Elaine\2020\2	QMethod	: Elaine_200602N_8260.m
Data File	: VE200602N13.D	Operator	: ELAINE:NLK
Date Inj'd	: 6/2/2020 6:39 pm	Instrument	: Elaine
Sample	: I8260STDL120.0PPB	Quant Date	: 6/3/2020 12:54 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2020\200602N\
Data File : VE200602N14.D
Acq On : 2 Jun 2020 7:01 pm
Operator : ELAINE:NLK
Sample : I8260STDL200.0PPB
Misc : WG1377468
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 03 13:08:15 2020
Quant Method : I:\VOLATILES\Elaine\2020\200602N\Elaine_200602N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jun 03 12:52:52 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2020\200602N\VE200602N10.D
Sub List : 8260-CurvePenta - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.492	96	184434	10.000	ug/L	0.00
Standard Area 1 = 179437			Recovery = 102.78%			
59) Chlorobenzene-d5	8.500	117	129336	10.000	ug/L	0.00
Standard Area 1 = 132096			Recovery = 97.91%			
79) 1,4-Dichlorobenzene-d4	9.989	152	66584	10.000	ug/L	0.00
Standard Area 1 = 65606			Recovery = 101.49%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.502	113	44350	10.281	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.81%			
43) 1,2-Dichloroethane-d4	5.147	65	52347	9.819	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.19%			
60) Toluene-d8	7.198	98	174996	10.449	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.49%			
83) 4-Bromofluorobenzene	9.318	95	66892	9.762	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.62%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.938	85	702356	190.289	ug/L	100
3) Chloromethane	1.060	50	729922	199.255	ug/L	98
4) Vinyl chloride	1.110	62	822154	195.345	ug/L	95
5) Bromomethane	1.319	94	450570	286.624	ug/L	100
6) Chloroethane	1.400	64	439467	174.436	ug/L	96
7) Trichlorofluoromethane	1.489	101	949611	185.095	ug/L	97
8) Ethyl ether	1.736	74	361847	189.566	ug/L	75
10) 1,1-Dichloroethene	1.859	96	612145	207.360	ug/L #	72
11) Carbon disulfide	1.864	76	1434450	218.775	ug/L	100
12) Freon-113	1.901	101	633945	199.492	ug/L	92
13) Iodomethane	1.965	142	631523	471.682	ug/L	83
14) Acrolein	2.148	56	104653	170.663	ug/L	97
15) Methylene chloride	2.354	84	660188	200.901	ug/L	79
17) Acetone	2.415	43	143081	189.988	ug/L	99
18) trans-1,2-Dichloroethene	2.496	96	661474	204.413	ug/L	84
19) Methyl acetate	2.543	43	408931	184.029	ug/L #	92
20) Methyl tert-butyl ether	2.624	73	1795362	201.758	ug/L	98
21) tert-Butyl alcohol	2.788	59	293781	885.006	ug/L #	67
22) Diisopropyl ether	3.052	45	2579054	198.999	ug/L	94
23) 1,1-Dichloroethane	3.139	63	1319869	197.866	ug/L	99
24) Halothane	3.289	117	547043	210.906	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2020\200602N\
Data File : VE200602N14.D
Acq On : 2 Jun 2020 7:01 pm
Operator : ELAINE:NLK
Sample : I8260STDL200.0PPB
Misc : WG1377468
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 03 13:08:15 2020
Quant Method : I:\VOLATILES\Elaine\2020\200602N\Elaine_200602N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jun 03 12:52:52 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2020\200602N\VE200602N10.D
Sub List : 8260-CurvePenta - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	3.217	53	191958	193.772	ug/L		96
26) Ethyl tert-butyl ether	3.495	59	2476701	200.561	ug/L		91
27) Vinyl acetate	3.511	43	1699602	201.265	ug/L	#	96
28) cis-1,2-Dichloroethene	3.826	96	720014	203.429	ug/L	#	76
29) 2,2-Dichloropropane	3.965	77	962473	190.576	ug/L		97
30) Bromochloromethane	4.104	128	313307	187.985	ug/L	#	66
31) Cyclohexane	4.060	56	1334341	200.097	ug/L		76
32) Chloroform	4.260	83	1195615	204.124	ug/L		97
33) Ethyl acetate	4.505	43	534704	208.956	ug/L	#	94
34) Carbon tetrachloride	4.374	117	940914	204.948	ug/L		99
35) Tetrahydrofuran	4.435	42	150966	179.467	ug/L	#	69
37) 1,1,1-Trichloroethane	4.477	97	1111431	202.615	ug/L	#	97
39) 2-Butanone	4.697	43	226184	179.155	ug/L	#	76
40) 1,1-Dichloropropene	4.649	75	906763	212.031	ug/L		96
41) Benzene	4.967	78	2813772	202.889	ug/L		92
42) tert-Amyl methyl ether	5.186	73	2010903	195.406	ug/L		91
44) 1,2-Dichloroethane	5.231	62	940216	205.694	ug/L		99
47) Methyl cyclohexane	5.637	83	1203728	196.942	ug/L		81
48) Trichloroethene	5.682	95	705339	204.875	ug/L		92
50) Dibromomethane	6.135	93	372103	206.116	ug/L		92
51) 1,2-Dichloropropane	6.249	63	760571	198.675	ug/L		95
53) 2-Chloroethyl vinyl ether	7.012	63	458804	198.892	ug/L		95
54) Bromodichloromethane	6.358	83	930137	208.113	ug/L		98
57) 1,4-Dioxane	6.583	88	49975	1896.442	ug/L	#	81
58) cis-1,3-Dichloropropene	7.020	75	1138992	204.008	ug/L		96
61) Toluene	7.245	92	1757888	206.475	ug/L		93
62) 4-Methyl-2-pentanone	7.660	58	218483	188.181	ug/L	#	96
63) Tetrachloroethene	7.599	166	746918	209.099	ug/L		89
65) trans-1,3-Dichloropropene	7.676	75	989673	216.305	ug/L		99
67) Ethyl methacrylate	7.863	69	776800	204.373	ug/L		99
68) 1,1,2-Trichloroethane	7.804	83	442399	200.426	ug/L		95
69) Chlorodibromomethane	7.938	129	659178	215.301	ug/L		95
70) 1,3-Dichloropropane	8.019	76	955349	196.812	ug/L		99
71) 1,2-Dibromoethane	8.099	107	532782	200.269	ug/L		99
72) 2-Hexanone	8.341	43	376344	189.487	ug/L		96
73) Chlorobenzene	8.508	112	1820765	198.554	ug/L		92
74) Ethylbenzene	8.550	91	3127414	195.102	ug/L		96
75) 1,1,1,2-Tetrachloroethane	8.570	131	675689	207.864	ug/L		95
76) p/m Xylene	8.659	106	2443914	391.583	ug/L		87
77) o Xylene	8.945	106	2321319	384.044	ug/L		82

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2020\200602N\
Data File : VE200602N14.D
Acq On : 2 Jun 2020 7:01 pm
Operator : ELAINE:NLK
Sample : I8260STDL200.0PPB
Misc : WG1377468
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 03 13:08:15 2020
Quant Method : I:\VOLATILES\Elaine\2020\200602N\Elaine_200602N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jun 03 12:52:52 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2020\200602N\VE200602N10.D
Sub List : 8260-CurvePenta - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
78) Styrene	8.981	104	3743480	370.329	ug/L		96
80) Bromoform	8.987	173	397547	204.611	ug/L		95
82) Isopropylbenzene	9.151	105	3038248	182.579	ug/L		93
84) Bromobenzene	9.374	156	766915	188.244	ug/L		97
85) n-Propylbenzene	9.413	91	3462023	180.470	ug/L		91
86) 1,4-Dichlorobutane	9.421	55	1002531	185.062	ug/L		95
87) 1,1,2,2-Tetrachloroethane	9.468	83	619178	184.471	ug/L		98
88) 4-Ethyltoluene	9.482	105	3036056	187.468	ug/L		93
89) 2-Chlorotoluene	9.496	91	2538821	191.098	ug/L		93
90) 1,3,5-Trimethylbenzene	9.538	105	2598651	187.386	ug/L		88
91) 1,2,3-Trichloropropane	9.535	75	526025	189.478	ug/L		97
92) trans-1,4-Dichloro-2-b...	9.568	53	195275	187.476	ug/L	#	76
93) 4-Chlorotoluene	9.599	91	2296491	193.592	ug/L		92
94) tert-Butylbenzene	9.724	119	2574823	200.280	ug/L		95
95) Pentachloroethane	9.730	167	495604	391.317	ug/L		97
97) 1,2,4-Trimethylbenzene	9.766	105	2618731	196.285	ug/L		90
98) sec-Butylbenzene	9.827	105	3168049	181.939	ug/L		95
99) p-Isopropyltoluene	9.916	119	2788542	189.135	ug/L		96
100) 1,3-Dichlorobenzene	9.944	146	1475959	196.373	ug/L		100
101) 1,4-Dichlorobenzene	9.997	146	1461741	198.614	ug/L		98
102) p-Diethylbenzene	10.125	119	1740331	201.401	ug/L		96
103) n-Butylbenzene	10.158	91	2512925	191.464	ug/L		94
104) 1,2-Dichlorobenzene	10.239	146	1373457	193.683	ug/L		99
105) 1,2,4,5-Tetramethylben...	10.581	119	2697842	196.854	ug/L		97
106) 1,2-Dibromo-3-chloropr...	10.695	155	109104	222.202	ug/L		91
107) 1,3,5-Trichlorobenzene	10.709	180	1098541	211.185	ug/L		94
108) Hexachlorobutadiene	11.051	225	421053	201.971	ug/L		97
109) 1,2,4-Trichlorobenzene	11.068	180	1007472	212.664	ug/L		99
110) Naphthalene	11.249	128	2209234	205.191	ug/L		100
111) 1,2,3-Trichlorobenzene	11.349	180	910998	215.323	ug/L		99

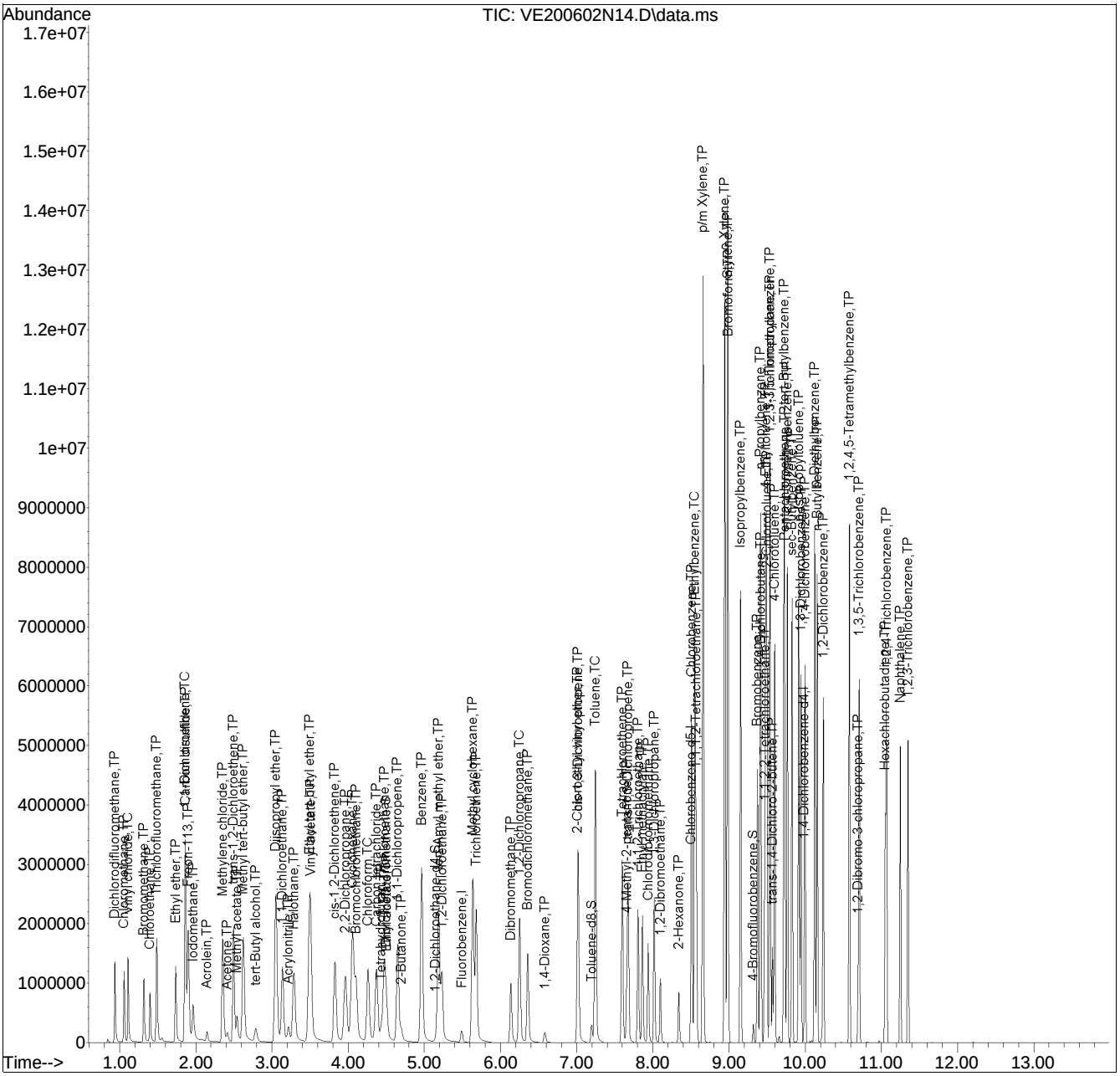
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2020\200602N\
Data File : VE200602N14.D
Acq On : 2 Jun 2020 7:01 pm
Operator : ELAINE:NLK
Sample : I8260STDL200.0PPB
Misc : WG1377468
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 03 13:08:15 2020
Quant Method : I:\VOLATILES\Elaine\2020\200602N\Elaine_200602N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jun 03 12:52:52 2020
Response via : Initial Calibration

Sub List : 8260-CurvePenta - All compounds listedE200602N10.D•



Manual Integration Report

Data Path	: I:\VOLATILES\Elaine\2020\2	QMethod	: Elaine_200602N_8260.m
Data File	: VE200602N14.D	Operator	: ELAINE:NLK
Date Inj'd	: 6/2/2020 7:01 pm	Instrument	: Elaine
Sample	: I8260STDL200.0PPB	Quant Date	: 6/3/2020 12:54 pm

There are no manual integrations or false positives in this file.

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\Elaine\2020\200602N\
Data File : VE200602N20.D
Acq On : 2 Jun 2020 9:11 pm
Operator : ELAINE:NLK
Sample : C8260STDL10PPB
Misc : WG1377468
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 03 14:55:53 2020
Quant Method : I:\VOLATILES\Elaine\2020\200602N\Elaine_200602N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jun 03 14:54:45 2020
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	97	0.00
2	TP	Dichlorodifluoromethane	0.174	0.217	-24.7#	105	0.00
3	TP	Chloromethane	0.185	0.238	-28.6#	116	0.00
4	TC	Vinyl chloride	0.207	0.243	-17.4	103	0.00
5	TP	Bromomethane	0.094	0.102	-8.5	116	0.00
6	TP	Chloroethane	0.120	0.131	-9.2	93	0.00
7	TP	Trichlorofluoromethane	0.238	0.288	-21.0#	100	0.00
8	TP	Ethyl ether	0.093	0.101	-8.6	94	0.00
10	TC	1,1-Dichloroethene	0.144	0.164	-13.9	99	0.00
11	TP	Carbon disulfide	0.339	0.404	-19.2	110	0.00
12	TP	Freon-113	0.153	0.171	-11.8	96	0.00
13	TP	Iodomethane	* 10.000	5.611	43.9#	54	0.00
14	TP	Acrolein	0.029	0.029#	0.0	85	0.00
15	TP	Methylene chloride	0.176	0.186	-5.7	101	0.00
17	TP	Acetone	0.039	0.046#	-17.9	108	0.00
18	TP	trans-1,2-Dichloroethene	0.156	0.177	-13.5	98	0.00
19	TP	Methyl acetate	0.115	0.118	-2.6	95	0.00
20	TP	Methyl tert-butyl ether	0.455	0.516	-13.4	103	0.00
21	TP	tert-Butyl alcohol	0.016	0.017#	-6.3	94	0.00
22	TP	Diisopropyl ether	0.657	0.715	-8.8	98	0.00
23	TP	1,1-Dichloroethane	0.327	0.388	-18.7	104	0.00
24	TP	Halothane	0.134	0.148	-10.4	102	0.00
25	TP	Acrylonitrile	0.052	0.060	-15.4	108	0.00
26	TP	Ethyl tert-butyl ether	0.637	0.668	-4.9	96	0.00
27	TP	Vinyl acetate	0.458	0.458	0.0	97	0.00
28	TP	cis-1,2-Dichloroethene	0.178	0.197	-10.7	100	0.00
29	TP	2,2-Dichloropropane	0.249	0.257	-3.2	91	0.00
30	TP	Bromochloromethane	0.080	0.093	-16.2	100	0.00
31	TP	Cyclohexane	0.327	0.357	-9.2	96	0.00
32	TC	Chloroform	0.294	0.346	-17.7	105	0.00
33	TP	Ethyl acetate	0.141	0.138	2.1	97	0.00
34	TP	Carbon tetrachloride	0.224	0.252	-12.5	98	0.00
35	TP	Tetrahydrofuran	0.046	0.046#	0.0	98	0.00
36	S	Dibromofluoromethane	0.237	0.242	-2.1	100	0.00
37	TP	1,1,1-Trichloroethane	0.274	0.307	-12.0	100	0.00
39	TP	2-Butanone	0.062	0.076#	-22.6#	107	0.00
40	TP	1,1-Dichloropropene	0.219	0.247	-12.8	103	0.00
41	TP	Benzene	0.736	0.768	-4.3	99	0.00
42	TP	tert-Amyl methyl ether	0.510	0.538	-5.5	93	0.00

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\Elaine\2020\200602N\
Data File : VE200602N20.D
Acq On : 2 Jun 2020 9:11 pm
Operator : ELAINE:NLK
Sample : C8260STDL10PPB
Misc : WG1377468
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 03 14:55:53 2020
Quant Method : I:\VOLATILES\Elaine\2020\200602N\Elaine_200602N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jun 03 14:54:45 2020
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
43	S	1,2-Dichloroethane-d4	0.290	0.289	0.3	97	0.00
44	TP	1,2-Dichloroethane	0.237	0.271	-14.3	106	0.00
47	TP	Methyl cyclohexane	0.292	0.306	-4.8	89	0.00
48	TP	Trichloroethene	* 10.000	12.402	-24.0#	103	0.00
50	TP	Dibromomethane	0.094	0.105	-11.7	104	0.00
51	TC	1,2-Dichloropropane	0.192	0.221	-15.1	103	0.00
53	TP	2-Chloroethyl vinyl ether	0.119	0.136	-14.3	105	0.00
54	TP	Bromodichloromethane	0.226	0.273	-20.8#	109	0.00
57	TP	1,4-Dioxane	0.00140	0.00143#	-2.1	97	0.00
58	TP	cis-1,3-Dichloropropene	0.281	0.305	-8.5	97	0.00
59	I	Chlorobenzene-d5	1.000	1.000	0.0	98	0.00
60	S	Toluene-d8	1.322	1.335	-1.0	101	0.00
61	TC	Toluene	0.616	0.702	-14.0	104	0.00
62	TP	4-Methyl-2-pentanone	0.081	0.096#	-18.5	104	0.00
63	TP	Tetrachloroethene	0.261	0.310	-18.8	109	0.00
65	TP	trans-1,3-Dichloropropene	0.333	0.373	-12.0	103	0.00
67	TP	Ethyl methacrylate	0.275	0.327	-18.9	108	0.00
68	TP	1,1,2-Trichloroethane	0.158	0.194	-22.8#	111	0.00
69	TP	Chlorodibromomethane	0.224	0.255	-13.8	105	0.00
70	TP	1,3-Dichloropropane	0.344	0.398	-15.7	103	0.00
71	TP	1,2-Dibromoethane	0.191	0.221	-15.7	105	0.00
72	TP	2-Hexanone	0.156	0.163	-4.5	104	0.00
73	TP	Chlorobenzene	0.650	0.775	-19.2	107	0.00
74	TC	Ethylbenzene	1.139	1.398	-22.7#	110	0.00
75	TP	1,1,1,2-Tetrachloroethane	0.230	0.277	-20.4#	108	0.00
76	TP	p/m Xylene	0.440	0.523	-18.9	106	0.00
77	TP	o Xylene	0.421	0.491	-16.6	103	0.00
78	TP	Styrene	0.702	0.848	-20.8#	106	0.00
79	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	97	0.00
80	TP	Bromoform	0.276	0.320	-15.9	106	0.00
82	TP	Isopropylbenzene	2.265	2.726	-20.4#	106	0.00
83	S	4-Bromofluorobenzene	1.031	1.043	-1.2	98	0.00
84	TP	Bromobenzene	0.552	0.666	-20.7#	105	0.00
85	TP	n-Propylbenzene	2.587	3.068	-18.6	103	0.00
86	TP	1,4-Dichlorobutane	0.748	0.885	-18.3	105	0.00
87	TP	1,1,2,2-Tetrachloroethane	0.460	0.533	-15.9	102	0.00
88	TP	4-Ethyltoluene	2.213	2.546	-15.0	101	0.00

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\Elaine\2020\200602N\
Data File : VE200602N20.D
Acq On : 2 Jun 2020 9:11 pm
Operator : ELAINE:NLK
Sample : C8260STDL10PPB
Misc : WG1377468
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 03 14:55:53 2020
Quant Method : I:\VOLATILES\Elaine\2020\200602N\Elaine_200602N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jun 03 14:54:45 2020
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
89 TP	2-Chlorotoluene	1.835	2.138	-16.5	104	0.00
90 TP	1,3,5-Trimethylbenzene	1.890	2.196	-16.2	102	0.00
91 TP	1,2,3-Trichloropropane	0.386	0.452	-17.1	105	0.00
92 TP	trans-1,4-Dichloro-2-butene	0.138	0.147	-6.5	91	0.00
93 TP	4-Chlorotoluene	1.654	1.952	-18.0	106	0.00
94 TP	tert-Butylbenzene	1.851	2.132	-15.2	107	0.00
95 TP	Pentachloroethane	* 10.000	8.179	18.2	128	0.00
97 TP	1,2,4-Trimethylbenzene	1.862	2.247	-20.7#	109	0.00
98 TP	sec-Butylbenzene	2.287	2.768	-21.0#	103	0.00
99 TP	p-Isopropyltoluene	1.989	2.365	-18.9	104	0.00
100 TP	1,3-Dichlorobenzene	1.026	1.204	-17.3	103	0.00
101 TP	1,4-Dichlorobenzene	1.037	1.227	-18.3	108	0.00
102 TP	p-Diethylbenzene	1.196	1.277	-6.8	95	0.00
103 TP	n-Butylbenzene	1.737	2.046	-17.8	101	0.00
104 TP	1,2-Dichlorobenzene	0.988	1.163	-17.7	106	0.00
105 TP	1,2,4,5-Tetramethylbenzene	1.896	2.060	-8.6	97	0.00
106 TP	1,2-Dibromo-3-chloropropane	0.074	0.083	-12.2	110	0.00
107 TP	1,3,5-Trichlorobenzene	0.752	0.778	-3.5	97	0.00
108 TP	Hexachlorobutadiene	0.272	0.319	-17.3	99	0.00
109 TP	1,2,4-Trichlorobenzene	0.671	0.744	-10.9	101	0.00
110 TP	Naphthalene	1.524	1.724	-13.1	103	0.00
111 TP	1,2,3-Trichlorobenzene	0.611	0.682	-11.6	104	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 7 CCC's out = 1

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2020\200602N\
Data File : VE200602N20.D
Acq On : 2 Jun 2020 9:11 pm
Operator : ELAINE:NLK
Sample : C8260STDL10PPB
Misc : WG1377468
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 03 14:55:53 2020
Quant Method : I:\VOLATILES\Elaine\2020\200602N\Elaine_200602N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jun 03 14:54:45 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2020\200602N\VE200602N10.D
Sub List : 8260-CurvePenta - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.490	96	173628	10.000	ug/L	0.00
Standard Area 1 = 179437			Recovery = 96.76%			
59) Chlorobenzene-d5	8.497	117	128803	10.000	ug/L	0.00
Standard Area 1 = 132096			Recovery = 97.51%			
79) 1,4-Dichlorobenzene-d4	9.986	152	63575	10.000	ug/L	0.00
Standard Area 1 = 65606			Recovery = 96.90%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.505	113	42024	10.212	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.12%			
43) 1,2-Dichloroethane-d4	5.147	65	50147	9.943	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.43%			
60) Toluene-d8	7.195	98	171978	10.101	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.01%			
83) 4-Bromofluorobenzene	9.318	95	66293	10.112	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.12%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.938	85	37680	12.458	ug/L	98
3) Chloromethane	1.060	50	41239	12.865	ug/L	99
4) Vinyl chloride	1.113	62	42186	11.718	ug/L	97
5) Bromomethane	1.319	94	17689	10.876	ug/L	99
6) Chloroethane	1.400	64	22735	10.909	ug/L	95
7) Trichlorofluoromethane	1.497	101	50070	12.137	ug/L	97
8) Ethyl ether	1.734	74	17461	10.780	ug/L	77
10) 1,1-Dichloroethene	1.864	96	28484	11.355	ug/L #	71
11) Carbon disulfide	1.867	76	70123	11.926	ug/L	99
12) Freon-113	1.906	101	29757	11.195	ug/L	93
13) Iodomethane	1.967	142	7069M1	5.611	ug/L	
14) Acrolein	2.145	56	5052	10.064	ug/L	98
15) Methylene chloride	2.354	84	32288	10.553	ug/L	81
17) Acetone	2.415	43	7914	11.577	ug/L	100
18) trans-1,2-Dichloroethene	2.499	96	30796	11.375	ug/L	85
19) Methyl acetate	2.543	43	20524	10.293	ug/L #	90
20) Methyl tert-butyl ether	2.624	73	89514	11.335	ug/L	97
21) tert-Butyl alcohol	2.774	59	15166	54.295	ug/L #	80
22) Diisopropyl ether	3.050	45	124102	10.882	ug/L	94
23) 1,1-Dichloroethane	3.139	63	67446	11.875	ug/L	98
24) Halothane	3.286	117	25665	11.035	ug/L #	68

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2020\200602N\
Data File : VE200602N20.D
Acq On : 2 Jun 2020 9:11 pm
Operator : ELAINE:NLK
Sample : C8260STDL10PPB
Misc : WG1377468
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 03 14:55:53 2020
Quant Method : I:\VOLATILES\Elaine\2020\200602N\Elaine_200602N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jun 03 14:54:45 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2020\200602N\VE200602N10.D
Sub List : 8260-CurvePenta - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	3.217	53	10391	11.421	ug/L		96
26) Ethyl tert-butyl ether	3.495	59	115923	10.483	ug/L		90
27) Vinyl acetate	3.509	43	79600	10.020	ug/L	#	95
28) cis-1,2-Dichloroethene	3.826	96	34265	11.096	ug/L	#	76
29) 2,2-Dichloropropane	3.965	77	44546	10.304	ug/L		94
30) Bromochloromethane	4.104	128	16227	11.643	ug/L	#	69
31) Cyclohexane	4.060	56	61992	10.906	ug/L		74
32) Chloroform	4.263	83	60000	11.737	ug/L		97
33) Ethyl acetate	4.507	43	24038M1	9.830	ug/L		
34) Carbon tetrachloride	4.374	117	43806	11.246	ug/L		98
35) Tetrahydrofuran	4.446	42	7984M3	10.029	ug/L		
37) 1,1,1-Trichloroethane	4.477	97	53387	11.238	ug/L	#	81
39) 2-Butanone	4.697	43	13122	12.218	ug/L	#	75
40) 1,1-Dichloropropene	4.649	75	42934	11.269	ug/L		93
41) Benzene	4.964	78	133339	10.429	ug/L		93
42) tert-Amyl methyl ether	5.186	73	93420	10.549	ug/L		93
44) 1,2-Dichloroethane	5.231	62	47103	11.455	ug/L		99
47) Methyl cyclohexane	5.637	83	53050	10.452	ug/L		83
48) Trichloroethene	5.679	95	34485	12.402	ug/L		92
50) Dibromomethane	6.135	93	18280	11.201	ug/L		92
51) 1,2-Dichloropropane	6.249	63	38323	11.524	ug/L		96
53) 2-Chloroethyl vinyl ether	7.009	63	23539	11.366	ug/L		98
54) Bromodichloromethane	6.358	83	47324	12.042	ug/L		96
57) 1,4-Dioxane	6.583	88	12423	512.578	ug/L	#	78
58) cis-1,3-Dichloropropene	7.017	75	52909	10.836	ug/L		99
61) Toluene	7.245	92	90377	11.385	ug/L		98
62) 4-Methyl-2-pentanone	7.660	58	12364	11.889	ug/L	#	97
63) Tetrachloroethene	7.599	166	39926	11.874	ug/L		88
65) trans-1,3-Dichloropropene	7.674	75	48027	11.201	ug/L		95
67) Ethyl methacrylate	7.863	69	42063	11.872	ug/L		99
68) 1,1,2-Trichloroethane	7.804	83	24949	12.263	ug/L		95
69) Chlorodibromomethane	7.938	129	32841	11.364	ug/L		94
70) 1,3-Dichloropropane	8.016	76	51200	11.572	ug/L		96
71) 1,2-Dibromoethane	8.097	107	28444	11.568	ug/L		96
72) 2-Hexanone	8.341	43	21028	10.491	ug/L		97
73) Chlorobenzene	8.508	112	99849	11.929	ug/L		92
74) Ethylbenzene	8.547	91	180093	12.276	ug/L		99
75) 1,1,1,2-Tetrachloroethane	8.567	131	35705	12.050	ug/L		97
76) p/m Xylene	8.656	106	134793	23.765	ug/L		96
77) o Xylene	8.940	106	126598	23.344	ug/L		92

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2020\200602N\
Data File : VE200602N20.D
Acq On : 2 Jun 2020 9:11 pm
Operator : ELAINE:NLK
Sample : C8260STDL10PPB
Misc : WG1377468
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 03 14:55:53 2020
Quant Method : I:\VOLATILES\Elaine\2020\200602N\Elaine_200602N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jun 03 14:54:45 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2020\200602N\VE200602N10.D
Sub List : 8260-CurvePenta - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
78) Styrene	8.979	104	218406	24.166	ug/L		90
80) Bromoform	8.981	173	20340	11.576	ug/L		97
82) Isopropylbenzene	9.151	105	173315	12.034	ug/L		96
84) Bromobenzene	9.374	156	42344	12.075	ug/L		100
85) n-Propylbenzene	9.410	91	195073	11.863	ug/L		96
86) 1,4-Dichlorobutane	9.418	55	56276	11.826	ug/L		93
87) 1,1,2,2-Tetrachloroethane	9.465	83	33895	11.591	ug/L		99
88) 4-Ethyltoluene	9.479	105	161884	11.508	ug/L		96
89) 2-Chlorotoluene	9.490	91	135932	11.650	ug/L		93
90) 1,3,5-Trimethylbenzene	9.535	105	139612	11.618	ug/L		91
91) 1,2,3-Trichloropropane	9.532	75	28767	11.718	ug/L		99
92) trans-1,4-Dichloro-2-b...	9.568	53	9332	10.647	ug/L	#	83
93) 4-Chlorotoluene	9.596	91	124120	11.805	ug/L		95
94) tert-Butylbenzene	9.719	119	135539	11.516	ug/L		97
95) Pentachloroethane	9.727	167	16024	8.179	ug/L		89
97) 1,2,4-Trimethylbenzene	9.763	105	142867	12.068	ug/L		93
98) sec-Butylbenzene	9.824	105	176004	12.105	ug/L		97
99) p-Isopropyltoluene	9.913	119	150364	11.891	ug/L		96
100) 1,3-Dichlorobenzene	9.941	146	76569	11.742	ug/L		97
101) 1,4-Dichlorobenzene	9.994	146	77993	11.826	ug/L		99
102) p-Diethylbenzene	10.122	119	81156	10.670	ug/L		93
103) n-Butylbenzene	10.155	91	130071	11.778	ug/L		97
104) 1,2-Dichlorobenzene	10.236	146	73928	11.769	ug/L		97
105) 1,2,4,5-Tetramethylben...	10.578	119	130967	10.867	ug/L		97
106) 1,2-Dibromo-3-chloropr...	10.692	155	5298	11.191	ug/L		92
107) 1,3,5-Trichlorobenzene	10.706	180	49469	10.353	ug/L		96
108) Hexachlorobutadiene	11.051	225	20285	11.744	ug/L		95
109) 1,2,4-Trichlorobenzene	11.065	180	47330	11.095	ug/L		99
110) Naphthalene	11.246	128	109615	11.313	ug/L		100
111) 1,2,3-Trichlorobenzene	11.349	180	43340	11.166	ug/L		99

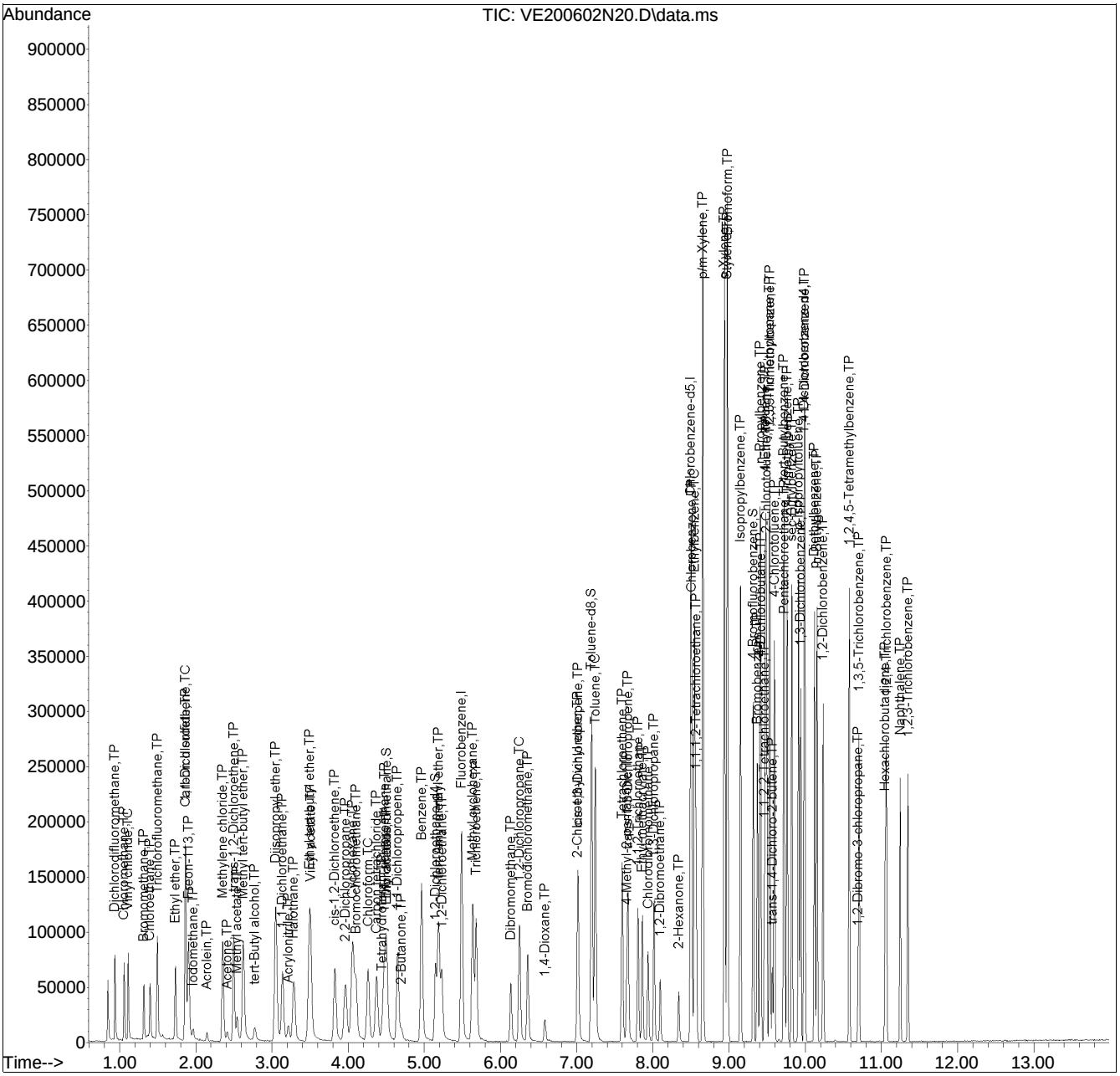
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2020\200602N\
Data File : VE200602N20.D
Acq On : 2 Jun 2020 9:11 pm
Operator : ELAINE:NLK
Sample : C8260STDL10PPB
Misc : WG1377468
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 03 14:55:53 2020
Quant Method : I:\VOLATILES\Elaine\2020\200602N\Elaine_200602N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jun 03 14:54:45 2020
Response via : Initial Calibration

Sub List : 8260-CurvePenta - All compounds listedE200602N10.D•

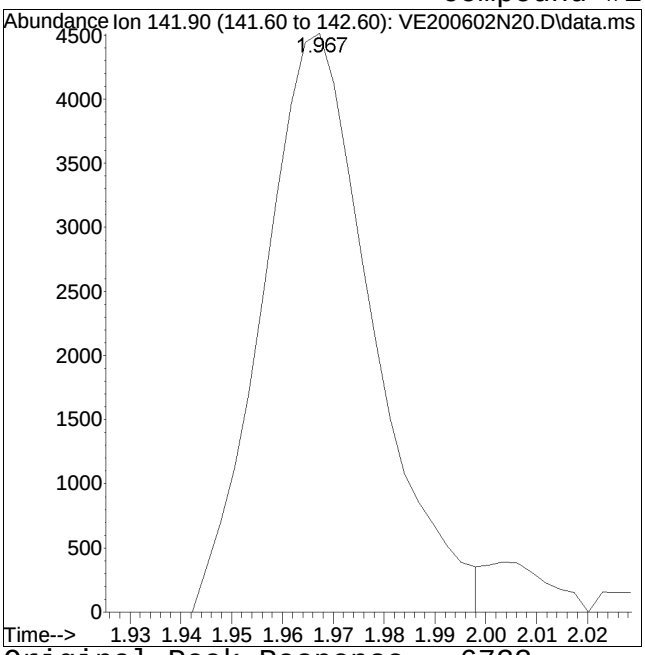


Manual Integration Report

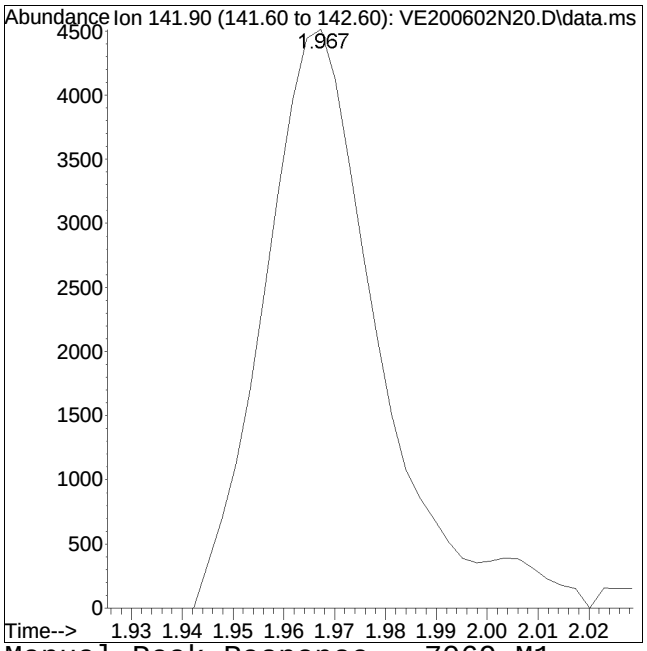
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Data File : VE200602N20.D
Date Inj'd : 6/2/2020 9:11 pm
Sample : C8260STDL10PPB

Method : Elaine_200602N_8260.m
Operator : ELAINE:NLK
Instrument : Elaine
Quant Date : 6/3/2020 2:55 pm

Compound #13: Iodomethane



Original Peak Response = 6733



Manual Peak Response = 7069 M1

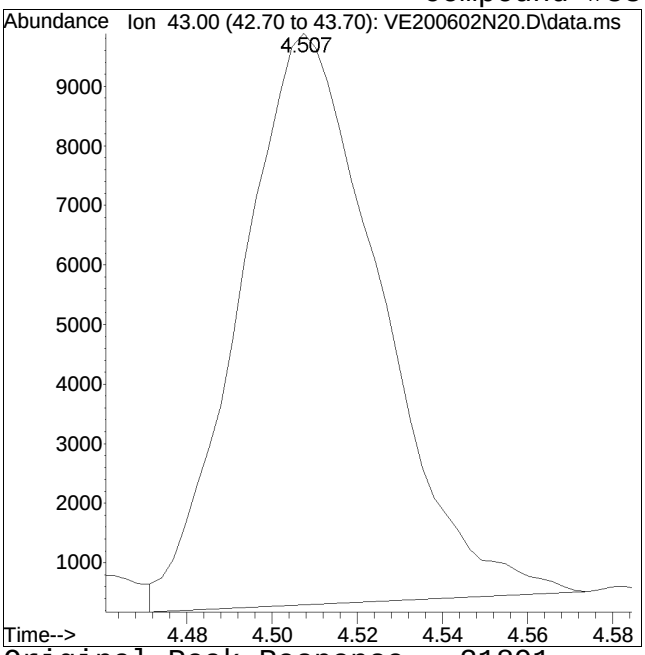
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

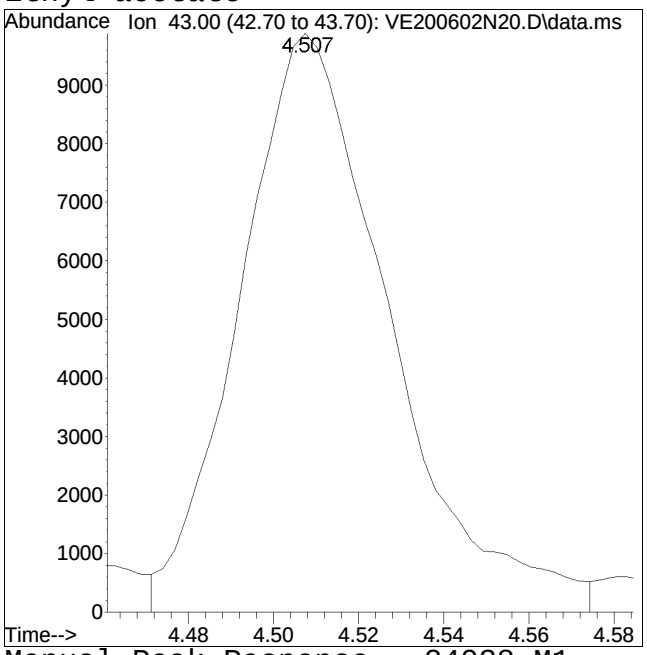
Data Path : I:\VOLATILES\Elaine\2020\2Q
Data File : VE200602N20.D
Date Inj'd : 6/2/2020 9:11 pm
Sample : C8260STDL10PPB

Method : Elaine_200602N_8260.m
Operator : ELAINE:NLK
Instrument : Elaine
Quant Date : 6/3/2020 2:55 pm

Compound #33: Ethyl acetate



Original Peak Response = 21891



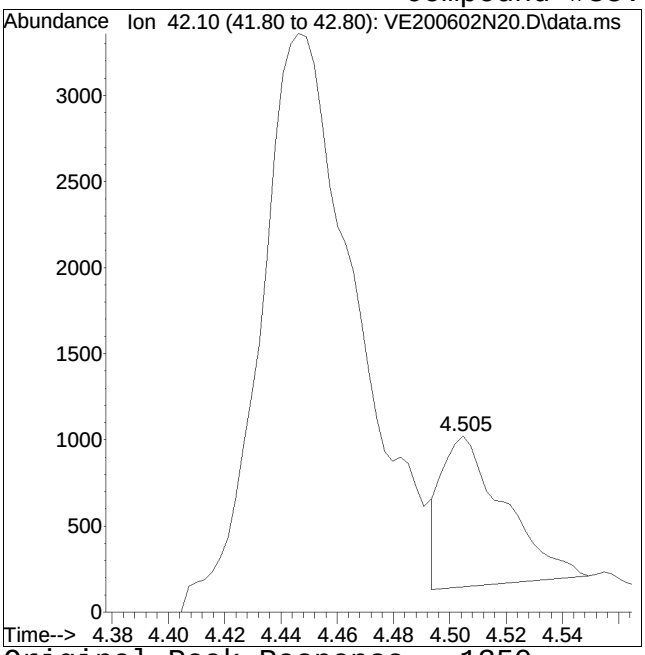
Manual Peak Response = 24038 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

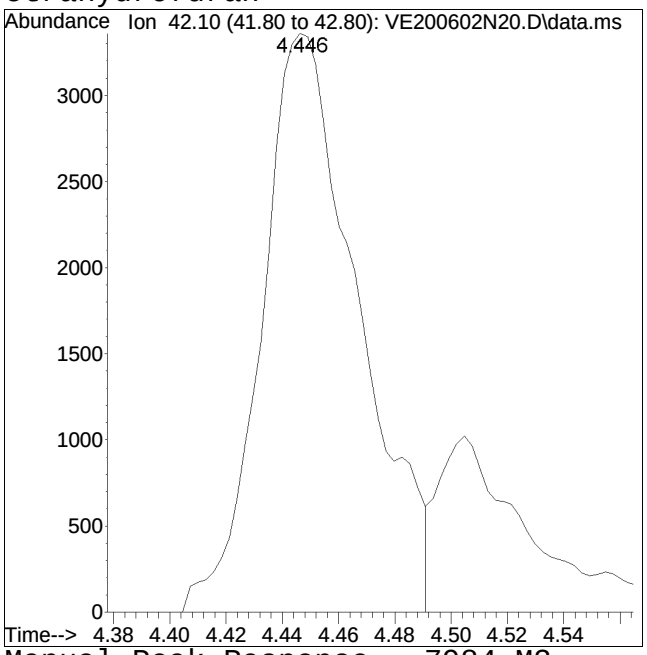
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200602N_8260.m
Data File : VE200602N20.D Operator : ELAINE:NLK
Date Inj'd : 6/2/2020 9:11 pm Instrument : Elaine
Sample : C8260STDL10PPB Quant Date : 6/3/2020 2:55 pm

Compound #35: Tetrahydrofuran



Original Peak Response = 1350



Manual Peak Response = 7984 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Response Factor Report VOA122

Method Path : I:\VOLATILES\VOA122\2020\200617N\
Method File : V122_200617N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Thu Jun 18 17:18:38 2020
Response Via : Initial Calibration

Calibration Files
L11 =V22200617N03.D L1 =V22200617N05.D L2 =V22200617N08.D L3 =V22200617N09.D L4 =V22200617N10.D
L6 =V22200617N11.D L8 =V22200617N12.D L10 =V22200617N13.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1)	I	Fluorobenzene	----------	----------	ISTD	----------	----------	----------	----------	----------		
2)	TP	Dichlorodifluo...		0.141	0.193	0.192	0.221	0.215	0.211	0.205	0.197	13.74
3)	TP	Chloromethane		0.241	0.249	0.250	0.266	0.261	0.258	0.249	0.253	3.31
4)	TC	Vinyl chloride	0.314	0.173	0.207	0.209	0.235	0.228	0.228	0.219	0.227	17.67
5)	TP	Bromomethane		0.103	0.096	0.097	0.116	0.120	0.125	0.122	0.111	11.02
6)	TP	Chloroethane		0.124	0.123	0.119	0.127	0.121	0.116	0.107	0.120	5.40
7)	TP	Trichlorofluor...		0.256	0.318	0.312	0.355	0.336	0.328	0.308	0.316	9.75
8)	TP	Ethyl ether		0.090	0.101	0.103	0.108	0.103	0.103	0.098	0.101	5.40
10)	TC	1,1-Dichloroet...		0.180	0.206	0.201	0.219	0.202	0.195	0.183	0.198	6.76
11)	TP	Carbon disulfide		0.477	0.526	0.497	0.518	0.490	0.477	0.450	0.491	5.28
12)	TP	Freon-113		0.158	0.210	0.207	0.229	0.208	0.203	0.193	0.201	10.88
13)	TP	Iodomethane		0.208	0.271	0.336	0.363	0.339	0.325	0.305	0.307	17.11
14)	TP	Acrolein		0.040	0.030	0.031	0.029	0.027	0.027	0.027	0.030#	15.24
15)	TP	Methylene chlo...		0.202	0.224	0.217	0.222	0.211	0.208	0.202	0.212	4.18
17)	TP	Acetone			0.051	0.039	0.041	0.037	0.038	0.039	0.041#	12.34
18)	TP	trans-1,2-Dich...		0.193	0.239	0.224	0.231	0.219	0.213	0.201	0.217	7.59
19)	TP	Methyl acetate			0.121	0.125	0.122	0.112	0.112	0.104	0.116	7.07
21)	TP	Methyl tert-bu...		0.463	0.494	0.483	0.477	0.453	0.448	0.433	0.464	4.60
22)	TP	tert-Butyl alc...		0.013	0.013	0.012	0.012	0.011	0.011	0.013	0.012#	7.37
24)	TP	Diisopropyl ether		0.681	0.743	0.735	0.741	0.712	0.708	0.676	0.714	3.87
25)	TP	1,1-Dichloroet...		0.359	0.409	0.394	0.404	0.390	0.385	0.367	0.387	4.78
26)	TP	Halothane		0.158	0.203	0.196	0.210	0.202	0.199	0.189	0.194	8.83
27)	TP	Acrylonitrile		0.053	0.064	0.060	0.058	0.055	0.056	0.055	0.057	6.21
28)	TP	Ethyl tert-but...		0.632	0.676	0.680	0.687	0.658	0.651	0.618	0.658	3.89
29)	TP	Vinyl acetate		0.506	0.440	0.414	0.397	0.387	0.398	0.387	0.419	10.26
30)	TP	cis-1,2-Dichlo...		0.215	0.252	0.243	0.248	0.235	0.230	0.218	0.234	6.13
31)	TP	2,2-Dichloropr...		0.285	0.306	0.267	0.294	0.275	0.268	0.254	0.278	6.35
32)	TP	Bromochloromet...		0.123	0.131	0.129	0.128	0.120	0.118	0.111	0.123	5.67
33)	TP	Cyclohexane		0.357	0.457	0.425	0.457	0.428	0.421	0.399	0.421	8.24
34)	TC	Chloroform		0.333	0.392	0.362	0.366	0.351	0.350	0.333	0.355	5.80
35)	TP	Ethyl acetate		0.142	0.168	0.164	0.163	0.158	0.159	0.156	0.159	5.33

Response Factor Report VOA122

Method Path : I:\VOLATILES\VOA122\2020\200617N\
Method File : V122_200617N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Thu Jun 18 17:18:38 2020
Response Via : Initial Calibration

Calibration Files
L11 =V22200617N03.D L1 =V22200617N05.D L2 =V22200617N08.D L3 =V22200617N09.D L4 =V22200617N10.D
L6 =V22200617N11.D L8 =V22200617N12.D L10 =V22200617N13.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
36)	TP	Carbon tetrach...	0.484	0.283	0.349	0.327	0.354	0.339	0.335	0.323	0.349	16.78
37)	TP	Tetrahydrofuran		0.081	0.060	0.056	0.052	0.052	0.052	0.059		19.01
38)	S	Dibromofluorom...	0.279	0.282	0.287	0.282	0.280	0.274	0.274	0.265	0.278	2.37
39)	TP	1,1,1-Trichlor...		0.298	0.357	0.338	0.357	0.340	0.335	0.319	0.335	6.29
41)	TP	2-Butanone			0.074	0.068	0.067	0.063	0.064	0.065	0.067#	5.58
42)	TP	1,1-Dichloropr...		0.230	0.280	0.264	0.287	0.277	0.272	0.260	0.267	7.11
44)	TP	Benzene	1.139	0.733	0.893	0.851	0.872	0.853	0.837	0.798	0.872	13.61
45)	TP	tert-Amyl meth...		0.509	0.553	0.590	0.597	0.575	0.574	0.552	0.564	5.24
46)	S	1,2-Dichloroet...	0.274	0.279	0.250	0.253	0.250	0.248	0.253	0.251	0.257	4.68
47)	T	1,2-Dichloroet...		0.295	0.312	0.280	0.282	0.272	0.272	0.260	0.282	6.08
50)	TP	Methyl cyclohe...		0.308	0.371	0.367	0.409	0.392	0.385	0.364	0.371	8.65
51)	TP	Trichloroethene	0.345	0.206	0.236	0.225	0.239	0.233	0.228	0.217	0.241	17.93
53)	TP	Dibromomethane		0.121	0.129	0.120	0.123	0.121	0.121	0.117	0.122	2.87
54)	TC	1,2-Dichloropr...		0.206	0.229	0.226	0.229	0.224	0.225	0.217	0.222	3.69
56)	TP	2-Chloroethyl ...		0.124	0.130	0.137	0.140	0.134	0.134	0.130	0.133	4.01
57)	TP	Bromodichlorom...		0.263	0.279	0.277	0.287	0.282	0.281	0.273	0.277	2.79
60)	TP	1,4-Dioxane		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001#	8.83
61)	TP	cis-1,3-Dichlo...		0.295	0.339	0.337	0.354	0.345	0.345	0.354	0.338	5.95
62)	I	Chlorobenzene-d5	----------ISTD----------									
63)	S	Toluene-d8	1.350	1.371	1.376	1.367	1.367	1.394	1.389	1.425	1.380	1.66
64)	TC	Toluene		0.602	0.698	0.680	0.705	0.693	0.689	0.673	0.677	5.18
65)	TP	4-Methyl-2-pen...		0.073	0.081	0.080	0.079	0.077	0.079	0.078	0.078#	3.41
66)	TP	Tetrachloroethene		0.264	0.329	0.322	0.341	0.337	0.335	0.326	0.322	8.22
68)	TP	trans-1,3-Dich...		0.333	0.349	0.341	0.353	0.344	0.343	0.334	0.342	2.14
70)	TP	Ethyl methacry...		0.262	0.269	0.259	0.264	0.255	0.257	0.251	0.260	2.29
71)	TP	1,1,2-Trichlor...		0.162	0.173	0.167	0.172	0.167	0.167	0.164	0.167	2.37
72)	TP	Chlorodibromom...		0.267	0.291	0.292	0.296	0.296	0.301	0.298	0.292	3.95
73)	TP	1,3-Dichloropr...		0.341	0.353	0.342	0.345	0.341	0.340	0.337	0.343	1.48
74)	TP	1,2-Dibromoethane		0.209	0.226	0.222	0.228	0.224	0.225	0.224	0.223	2.91
76)	TP	2-Hexanone		0.179	0.164	0.135	0.132	0.128	0.130	0.132	0.143	14.09
77)	TP	Chlorobenzene		0.702	0.824	0.804	0.814	0.804	0.793	0.773	0.788	5.22

Response Factor Report VOA122

Method Path : I:\VOLATILES\VOA122\2020\200617N\
Method File : V122_200617N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Thu Jun 18 17:18:38 2020
Response Via : Initial Calibration

Calibration Files
L11 =V22200617N03.D L1 =V22200617N05.D L2 =V22200617N08.D L3 =V22200617N09.D L4 =V22200617N10.D
L6 =V22200617N11.D L8 =V22200617N12.D L10 =V22200617N13.D

		Compound		L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
78)	TC	Ethylbenzene		1.148	1.311	1.277	1.309	1.286	1.260	1.209	1.257		4.70
79)	TP	1,1,1,2-Tetrac...		0.255	0.308	0.298	0.302	0.294	0.290	0.283	0.290		6.00
80)	TP	p/m Xylene		0.459	0.566	0.541	0.548	0.531	0.514	0.490	0.521		7.06
81)	TP	o Xylene		0.468	0.545	0.522	0.532	0.515	0.500	0.476	0.508		5.58
82)	TP	Styrene		0.751	0.891	0.860	0.855	0.822	0.795	0.741	0.816		6.96
83)	I	1,4-Dichlorobenzene-d4		----------ISTD----------									
84)	TP	Bromoform		0.284	0.324	0.326	0.339	0.336	0.337	0.336	0.326		5.97
86)	TP	Isopropylbenzene		1.460	1.704	1.618	1.665	1.619	1.556	1.561	1.597		5.03
87)	S	4-Bromofluorob...	0.905	0.927	0.928	0.932	0.943	0.978	0.982	1.011	0.951		3.77
88)	TP	Bromobenzene		0.613	0.682	0.664	0.681	0.699	0.692	0.687	0.674		4.32
89)	TP	n-Propylbenzene		2.497	3.068	2.987	3.164	3.141	3.049	2.934	2.977		7.60
90)	TP	1,4-Dichlorobu...		0.782	0.725	0.699	0.720	0.713	0.704	0.697	0.720		4.09
91)	TP	1,1,2,2-Tetrac...		0.460	0.494	0.477	0.488	0.476	0.473	0.476	0.478		2.27
92)	TP	4-Ethyltoluene		2.214	2.694	2.655	2.774	2.704	2.611	2.531	2.598		7.15
93)	TP	2-Chlorotoluene		1.790	2.024	1.993	2.045	2.019	1.955	1.927	1.965		4.45
94)	TP	1,3,5-Trimethy...		1.876	2.238	2.175	2.250	2.219	2.163	2.101	2.146		6.03
95)	TP	1,2,3-Trichlor...		0.355	0.376	0.369	0.368	0.361	0.361	0.360	0.364		1.89
96)	TP	trans-1,4-Dich...		0.136	0.149	0.135	0.139	0.139	0.140	0.137	0.139		3.28
97)	TP	4-Chlorotoluene		1.666	1.835	1.795	1.845	1.859	1.809	1.779	1.798		3.60
98)	TP	tert-Butylbenzene		1.661	2.040	1.957	2.064	2.051	2.002	1.964	1.963		7.11
101)	TP	1,2,4-Trimethy...		1.828	2.192	2.159	2.256	2.238	2.167	2.120	2.137		6.75
102)	TP	sec-Butylbenzene		2.203	2.713	2.657	2.803	2.784	2.672	2.580	2.630		7.73
103)	TP	p-Isopropyltol...		2.343	2.775	2.682	2.744	2.677	2.590	2.522	2.619		5.70
104)	TP	1,3-Dichlorobe...		1.188	1.355	1.304	1.333	1.320	1.280	1.251	1.290		4.39
105)	TP	1,4-Dichlorobe...		1.214	1.323	1.285	1.311	1.274	1.267	1.249	1.275		2.89
106)	TP	p-Diethylbenzene		1.071	1.392	1.385	1.447	1.456	1.412	1.369	1.362		9.71
107)	TP	n-Butylbenzene		1.492	1.826	1.760	1.860	1.845	1.783	1.730	1.756		7.16
108)	TP	1,2-Dichlorobe...		1.061	1.203	1.176	1.218	1.191	1.162	1.139	1.164		4.51
109)	TP	1,2,4,5-Tetram...		1.603	1.971	1.930	2.009	2.021	2.006	1.965	1.929		7.64
110)	TP	1,2-Dibromo-3-...		0.080	0.098	0.090	0.093	0.093	0.094	0.097	0.092		6.58
111)	TP	1,3,5-Trichlor...		0.574	0.698	0.698	0.730	0.731	0.722	0.717	0.696		7.97

Method Path : I:\VOLATILES\VOA122\2020\200617N\
Method File : V122_200617N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Thu Jun 18 17:18:38 2020
Response Via : Initial Calibration

Calibration Files
L11 =V22200617N03.D L1 =V22200617N05.D L2 =V22200617N08.D L3 =V22200617N09.D L4 =V22200617N10.D
L6 =V22200617N11.D L8 =V22200617N12.D L10 =V22200617N13.D

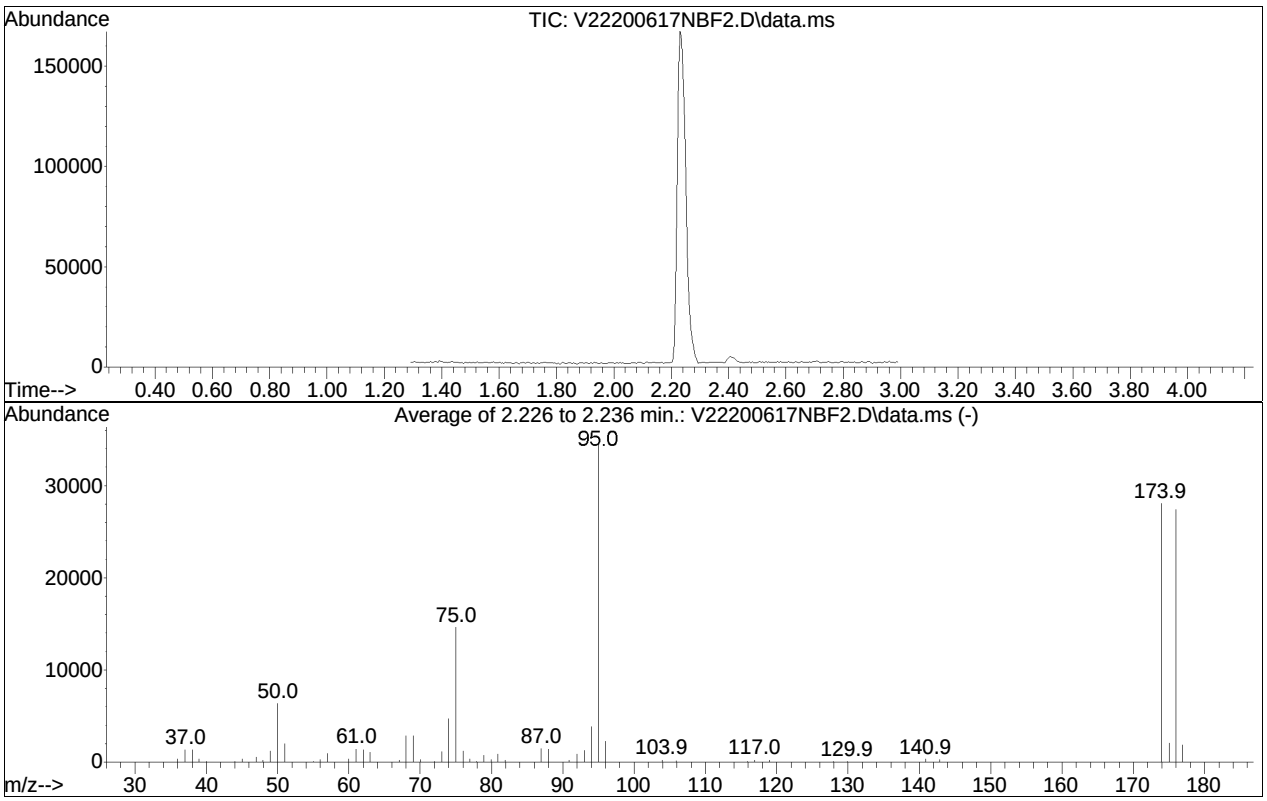
	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
112) TP	Hexachlorobuta...	0.162	0.211	0.202	0.215	0.225	0.223	0.225	0.209	10.73	
113) TP	1,2,4-Trichlor...	0.566	0.641	0.628	0.674	0.676	0.659	0.662	0.644	5.95	
114) TP	Naphthalene	1.645	1.841	1.754	1.824	1.831	1.848	1.863	1.801	4.28	
115) TP	1,2,3-Trichlor...	0.519	0.593	0.572	0.604	0.610	0.601	0.600	0.585	5.44	

(#) = Out of Range

Data Path : I:\VOLATILES\VOA122\2020\200617N\
Data File : V22200617NBF2.D
Acq On : 17 Jun 2020 02:51 pm
Operator : VOA122:PD
Sample : WG1383235-1
Misc : WG1383235
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\VOLATILES\VOA122\2020\200617N\V122_200617N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Thu Jun 18 12:23:45 2020



AutoFind: Scans 179, 180, 181; Background Corrected with Scan 172

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.4	6368	PASS
75	95	30	60	42.2	14636	PASS
95	95	100	100	100.0	34669	PASS
96	95	5	9	6.5	2252	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	81.0	28088	PASS
175	174	5	9	7.3	2063	PASS
176	174	95	101	97.6	27411	PASS
177	176	5	9	6.8	1869	PASS

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2020\200617N\
Data File : V22200617N03.D
Acq On : 17 Jun 2020 04:01 pm
Operator : VOA122:PD
Sample : I8260STDL0.19PPB
Misc : WG1383235,ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 18 12:20:21 2020
Quant Method : I:\VOLATILES\VOA122\2020\200617N\V122_200617N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jun 18 12:19:29 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2020\200617N\V22200617N09.D
Sub List : 8260-L11 - Level 11 for 8260-LRR product

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.784	96	293836	10.000	ug/L	0.00
Standard Area 1 = 274244			Recovery = 107.14%			
62) Chlorobenzene-d5	9.298	117	245875	10.000	ug/L	0.00
Standard Area 1 = 229778			Recovery = 107.01%			
83) 1,4-Dichlorobenzene-d4	12.065	152	127250	10.000	ug/L	0.00
Standard Area 1 = 116288			Recovery = 109.43%			
System Monitoring Compounds						
38) Dibromofluoromethane	4.979	113	81868	9.963	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.63%			
46) 1,2-Dichloroethane-d4	5.494	65	80496	10.614	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 106.14%			
63) Toluene-d8	7.464	98	331820	9.827	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.27%			
87) 4-Bromofluorobenzene	10.828	95	115172	9.606	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.06%			
Target Compounds						Qvalue
4) Vinyl chloride	1.764	62	1751	0.262	ug/L	98
36) Carbon tetrachloride	4.932	117	2701	0.260	ug/L #	90
44) Benzene	5.369	78	6357	0.245	ug/L	93
51) Trichloroethene	5.957	95	1926	0.268	ug/L	94

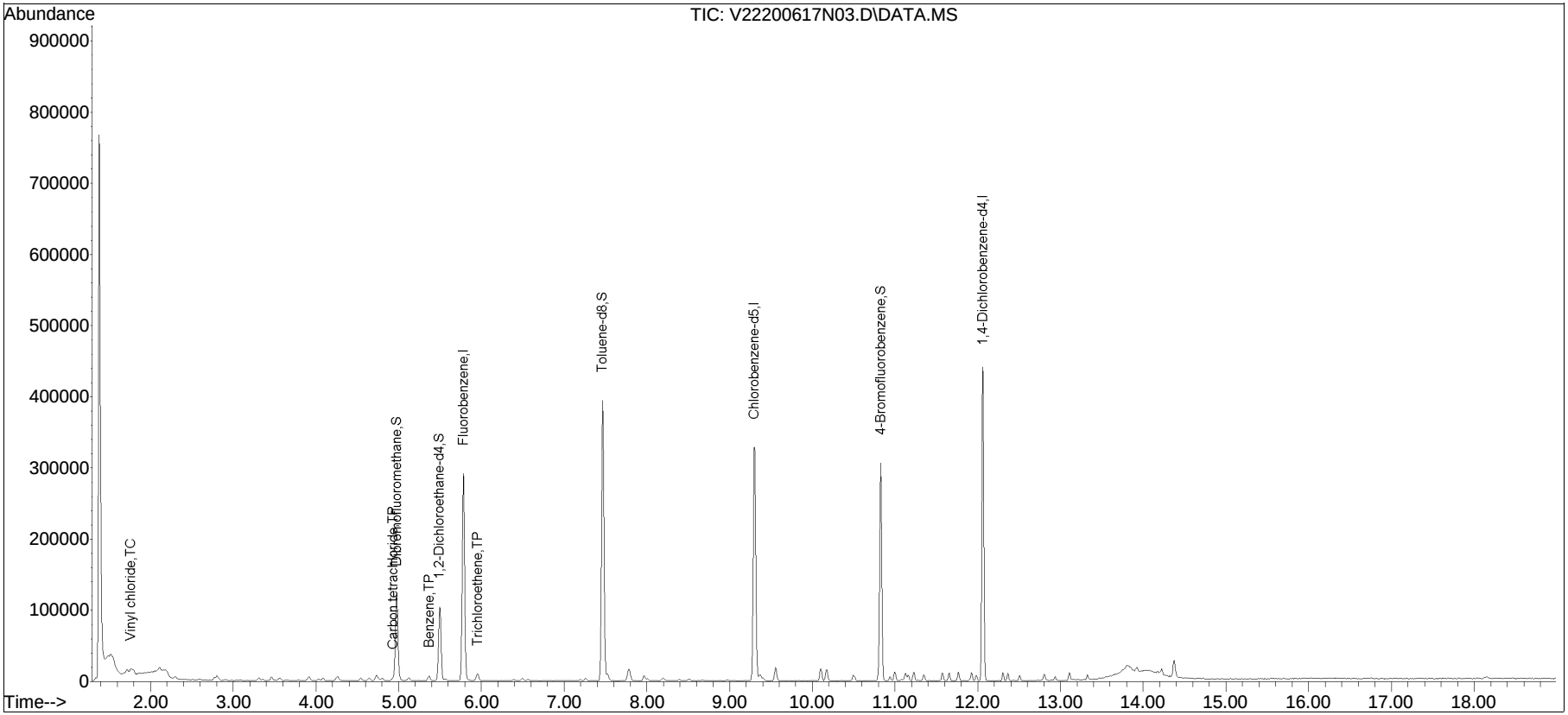
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2020\200617N\
Data File : V22200617N03.D
Acq On : 17 Jun 2020 04:01 pm
Operator : VOA122:PD
Sample : I8260STDL0.19PPB
Misc : WG1383235,ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 18 12:20:21 2020
Quant Method : I:\VOLATILES\VOA122\2020\200617N\V122_200617N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jun 18 12:19:29 2020
Response via : Initial Calibration

Sub List : 8260-L11 - Level 11 for 8260-LRR product200617N09.D•



Manual Integration Report

Data Path	: I:\VOLATILES\VOA122\2020\2Q	Method	: V122_200617N_8260.m
Data File	: V22200617N03.D	Operator	: VOA122:PD
Date Inj'd	: 6/17/2020 4:01 pm	Instrument	: VOA122
Sample	: I8260STDL0.19PPB	Quant Date	: 6/18/2020 12:20 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2020\200617N\
Data File : V22200617N05.D
Acq On : 17 Jun 2020 04:50 pm
Operator : VOA122:PD
Sample : I8260STDL0.5PPB
Misc : WG1383235,ICAL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 18 12:20:30 2020
Quant Method : I:\VOLATILES\VOA122\2020\200617N\V122_200617N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jun 18 12:19:29 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2020\200617N\V22200617N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.784	96	287779	10.000	ug/L	0.00
Standard Area 1 = 274244			Recovery = 104.94%			
62) Chlorobenzene-d5	9.298	117	237637	10.000	ug/L	0.00
Standard Area 1 = 229778			Recovery = 103.42%			
83) 1,4-Dichlorobenzene-d4	12.058	152	121405	10.000	ug/L	0.00
Standard Area 1 = 116288			Recovery = 104.40%			
System Monitoring Compounds						
38) Dibromofluoromethane	4.979	113	81178	10.087	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.87%			
46) 1,2-Dichloroethane-d4	5.494	65	80257	10.805	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 108.05%			
63) Toluene-d8	7.464	98	325802	9.984	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.84%			
87) 4-Bromofluorobenzene	10.827	95	112482	9.833	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.33%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.522	85	2023	0.359	ug/L #	88
3) Chloromethane	1.717	50	3471	0.475	ug/L #	93
4) Vinyl chloride	1.764	62	2494	0.381	ug/L	86
5) Bromomethane	2.060	94	1481	0.470	ug/L	85
6) Chloroethane	2.169	64	1788	0.510	ug/L	92
7) Trichlorofluoromethane	2.302	101	3689	0.404	ug/L	95
8) Ethyl ether	2.591	74	1298	0.445	ug/L #	1
10) 1,1-Dichloroethene	2.778	96	2590	0.449	ug/L	96
11) Carbon disulfide	2.802	76	6863	0.479	ug/L	98
12) Freon-113	2.817	101	2276	0.390	ug/L	97
13) Iodomethane	2.903	142	2986	0.338	ug/L #	82
14) Acrolein	3.083	56	575	0.652	ug/L #	46
15) Methylene chloride	3.309	84	2906	0.472	ug/L	74
17) Acetone	3.356	43	2776	1.449	ug/L #	46
18) trans-1,2-Dichloroethene	3.465	96	2770	0.438	ug/L	87
19) Methyl acetate	3.473	43	3615	0.894	ug/L #	50
21) Methyl tert-butyl ether	3.559	73	6666	0.493	ug/L #	84
22) tert-Butyl alcohol	3.644	59	922	2.674	ug/L #	59
24) Diisopropyl ether	3.918	45	9800	0.473	ug/L	92
25) 1,1-Dichloroethane	4.027	63	5160	0.460	ug/L	95
26) Halothane	4.089	117	2272	0.406	ug/L	92

Data Path : I:\VOLATILES\VOA122\2020\200617N\
Data File : V22200617N05.D
Acq On : 17 Jun 2020 04:50 pm
Operator : VOA122:PD
Sample : I8260STDL0.5PPB
Misc : WG1383235,ICAL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 18 12:20:30 2020
Quant Method : I:\VOLATILES\VOA122\2020\200617N\V122_200617N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jun 18 12:19:29 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2020\200617N\V22200617N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	4.082	53	765	0.460	ug/L	#	64
28) Ethyl tert-butyl ether	4.253	59	9100	0.476	ug/L		84
29) Vinyl acetate	4.269	43	7285	0.597	ug/L	#	71
30) cis-1,2-Dichloroethene	4.542	96	3095	0.453	ug/L		89
31) 2,2-Dichloropropane	4.643	77	4097	0.504	ug/L		91
32) Bromochloromethane	4.729	128	1774	0.494	ug/L		86
33) Cyclohexane	4.745	56	5140	0.421	ug/L		77
34) Chloroform	4.800	83	4794	0.464	ug/L	#	96
35) Ethyl acetate	4.917	43	2043M1	0.446	ug/L		
36) Carbon tetrachloride	4.940	117	4069	0.401	ug/L		97
37) Tetrahydrofuran	4.948	42	1365	0.718	ug/L	#	37
39) 1,1,1-Trichloroethane	5.002	97	4285	0.441	ug/L	#	92
41) 2-Butanone	5.096	43	2081	0.902	ug/L	#	22
42) 1,1-Dichloropropene	5.127	75	3304	0.428	ug/L		97
44) Benzene	5.369	78	10540	0.415	ug/L	#	93
45) tert-Amyl methyl ether	5.479	73	7323	0.449	ug/L	#	82
47) 1,2-Dichloroethane	5.564	62	4243	0.516	ug/L	#	92
50) Methyl cyclohexane	5.948	83	4425	0.414	ug/L	#	59
51) Trichloroethene	5.957	95	2971	0.422	ug/L		94
53) Dibromomethane	6.389	93	1735	0.493	ug/L	#	82
54) 1,2-Dichloropropane	6.493	63	2966	0.462	ug/L	#	93
56) 2-Chloroethyl vinyl ether	7.202	63	1780	0.465	ug/L	#	42
57) Bromodichloromethane	6.562	83	3780	0.472	ug/L	#	90
60) 1,4-Dioxane	6.787	88	2585	90.569	ug/L	#	50
61) cis-1,3-Dichloropropene	7.263	75	4250	0.440	ug/L	#	76
64) Toluene	7.527	92	7147	0.444	ug/L		100
65) 4-Methyl-2-pentanone	7.972	58	865	0.466	ug/L	#	31
66) Tetrachloroethene	7.972	166	3135	0.411	ug/L		93
68) trans-1,3-Dichloropropene	8.003	75	3956	0.484	ug/L	#	76
70) Ethyl methacrylate	8.206	69	3113	0.502	ug/L	#	86
71) 1,1,2-Trichloroethane	8.190	83	1920	0.482	ug/L		98
72) Chlorodibromomethane	8.393	129	3168	0.459	ug/L	#	93
73) 1,3-Dichloropropane	8.510	76	4051	0.496	ug/L		89
74) 1,2-Dibromoethane	8.666	107	2478	0.469	ug/L		98
76) 2-Hexanone	8.970	43	2129	0.619	ug/L	#	62
77) Chlorobenzene	9.321	112	8337	0.444	ug/L	#	83
78) Ethylbenzene	9.368	91	13645	0.454	ug/L		100
79) 1,1,1,2-Tetrachloroethane	9.407	131	3032	0.438	ug/L		95
80) p/m Xylene	9.555	106	10904	0.871	ug/L		96
81) o Xylene	10.102	106	11126	0.911	ug/L		92

Data Path : I:\VOLATILES\VOA122\2020\200617N\
Data File : V22200617N05.D
Acq On : 17 Jun 2020 04:50 pm
Operator : VOA122:PD
Sample : I8260STDL0.5PPB
Misc : WG1383235,ICAL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 18 12:20:30 2020
Quant Method : I:\VOLATILES\VOA122\2020\200617N\V122_200617N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jun 18 12:19:29 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2020\200617N\V22200617N09.D
Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
82)	Styrene	10.172	104	17846	0.906	ug/L		97
84)	Bromoform	10.180	173	1722	0.437	ug/L		80
86)	Isopropylbenzene	10.492	105	8860	0.455	ug/L		97
88)	Bromobenzene	10.937	156	3720	0.456	ug/L		100
89)	n-Propylbenzene	10.991	91	15159	0.418	ug/L		98
90)	1,4-Dichlorobutane	11.007	55	4749	0.540	ug/L		91
91)	1,1,2,2-Tetrachloroethane	11.077	83	2790	0.481	ug/L	#	94
92)	4-Ethyltoluene	11.124	105	13441	0.424	ug/L		98
93)	2-Chlorotoluene	11.163	91	10863	0.454	ug/L		98
94)	1,3,5-Trimethylbenzene	11.226	105	11388	0.436	ug/L		98
95)	1,2,3-Trichloropropane	11.218	75	2155	0.486	ug/L		94
96)	trans-1,4-Dichloro-2-b...	11.280	53	824	0.486	ug/L	#	55
97)	4-Chlorotoluene	11.350	91	10115	0.462	ug/L		99
98)	tert-Butylbenzene	11.577	119	10081	0.423	ug/L		96
101)	1,2,4-Trimethylbenzene	11.655	105	11095	0.427	ug/L		99
102)	sec-Butylbenzene	11.764	105	13372	0.417	ug/L		99
103)	p-Isopropyltoluene	11.926	119	14221	0.445	ug/L		99
104)	1,3-Dichlorobenzene	11.981	146	7210	0.458	ug/L		98
105)	1,4-Dichlorobenzene	12.079	146	7370M2	0.475	ug/L		
106)	p-Diethylbenzene	12.308	119	6500	0.394	ug/L		98
107)	n-Butylbenzene	12.364	91	9054	0.424	ug/L		97
108)	1,2-Dichlorobenzene	12.503	146	6440	0.454	ug/L		97
109)	1,2,4,5-Tetramethylben...	13.109	119	9728	0.417	ug/L		99
110)	1,2-Dibromo-3-chloropr...	13.290	155	484M2	0.437	ug/L		
111)	1,3,5-Trichlorobenzene	13.325	180	3484	0.415	ug/L		94
112)	Hexachlorobutadiene	13.910	225	983	0.393	ug/L		92
113)	1,2,4-Trichlorobenzene	13.930	180	3436	0.442	ug/L		94
114)	Naphthalene	14.223	128	9984	0.459	ug/L		100
115)	1,2,3-Trichlorobenzene	14.390	180	3148	0.445	ug/L		98

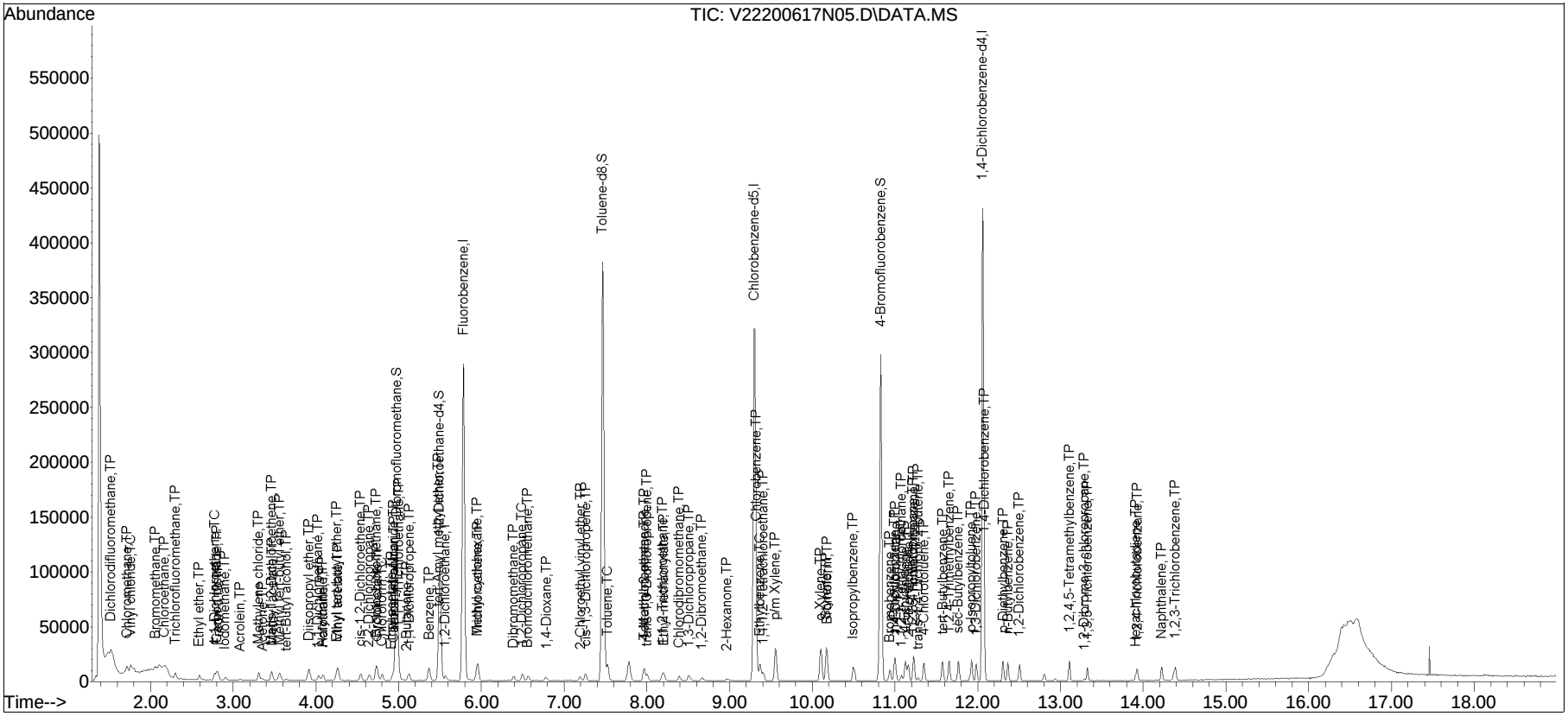
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2020\200617N\
Data File : V22200617N05.D
Acq On : 17 Jun 2020 04:50 pm
Operator : VOA122:PD
Sample : I8260STDL0.5PPB
Misc : WG1383235,ICAL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 18 12:20:30 2020
Quant Method : I:\VOLATILES\VOA122\2020\200617N\V122_200617N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jun 18 12:19:29 2020
Response via : Initial Calibration

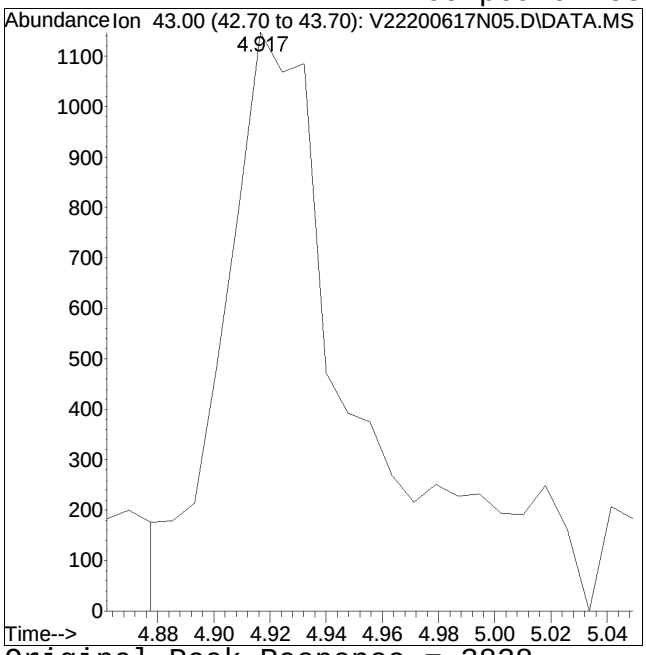
Sub List : 8260-Curve - Megamix plus Diox00617N\V22200617N09.D•

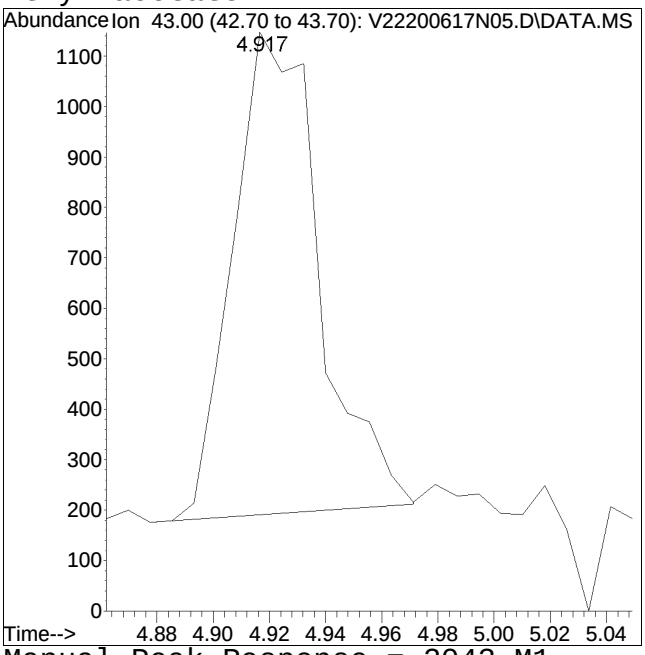


Manual Integration Report

Data Path : I:\VOLATILES\VOA122\2020\2QMethod : V122_200617N_8260.m
Data File : V22200617N05.D Operator : VOA122:PD
Date Inj'd : 6/17/2020 4:50 pm Instrument : VOA122
Sample : I8260STDL0.5PPB Quant Date : 6/18/2020 12:20 pm

Compound #35: Ethyl acetate



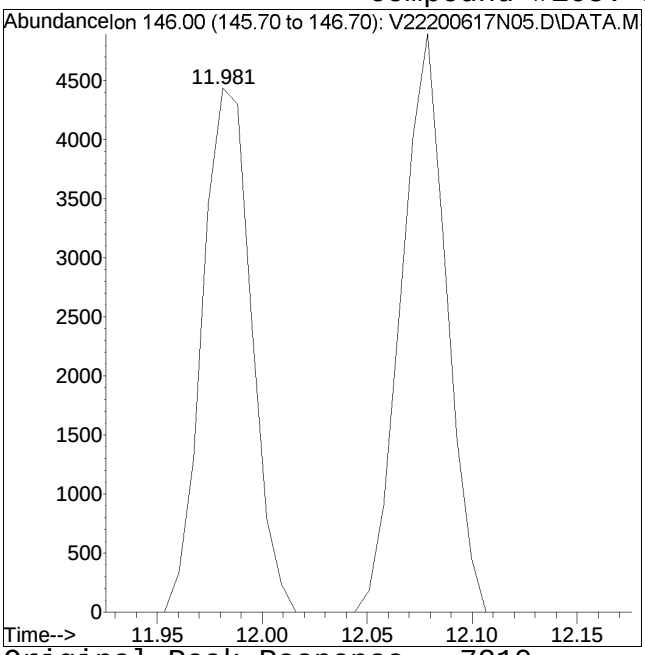


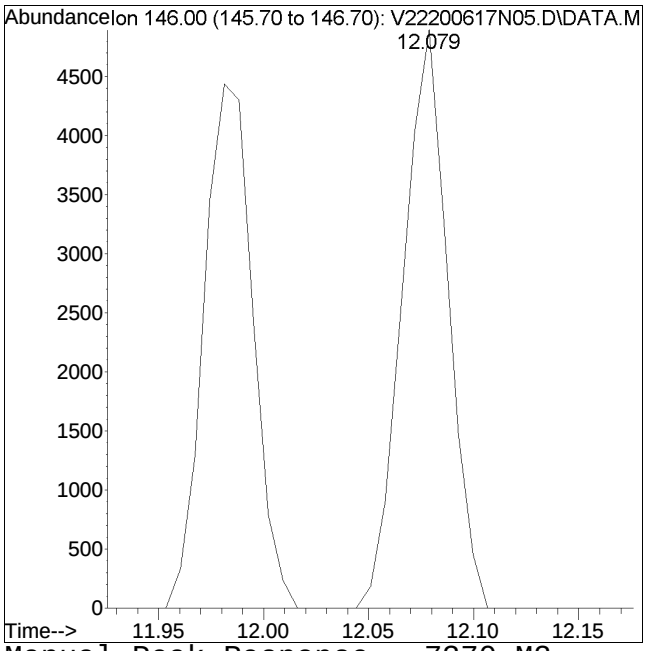
Original Peak Response = 3838 Manual Peak Response = 2043 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA122\2020\2QMethod : V122_200617N_8260.m
Data File : V22200617N05.D Operator : VOA122:PD
Date Inj'd : 6/17/2020 4:50 pm Instrument : VOA122
Sample : I8260STDL0.5PPB Quant Date : 6/18/2020 12:20 pm

Compound #105: 1,4-Dichlorobenzene



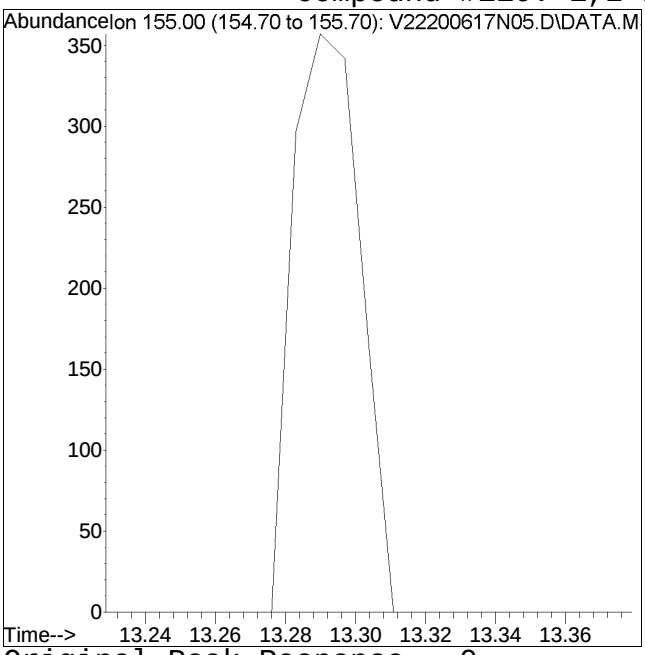


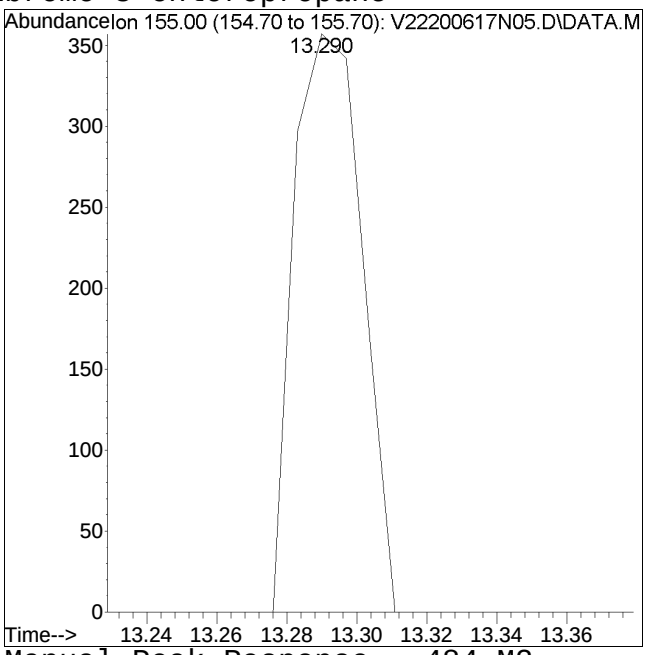
Original Peak Response = 7210 Manual Peak Response = 7370 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\VOLATILES\VOA122\2020\2QMethod : V122_200617N_8260.m
Data File : V22200617N05.D Operator : VOA122:PD
Date Inj'd : 6/17/2020 4:50 pm Instrument : VOA122
Sample : I8260STDL0.5PPB Quant Date : 6/18/2020 12:20 pm

Compound #110: 1,2-Dibromo-3-chloropropane





Original Peak Response = 0 Manual Peak Response = 484 M2
M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2020\200617N\
Data File : V22200617N08.D
Acq On : 17 Jun 2020 06:05 pm
Operator : VOA122:PD
Sample : I8260STDL2.0PPB
Misc : WG1383235,ICAL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 18 12:20:37 2020
Quant Method : I:\VOLATILES\VOA122\2020\200617N\V122_200617N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jun 18 12:19:29 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2020\200617N\V22200617N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.784	96	268377	10.000	ug/L	0.00
Standard Area 1 = 274244			Recovery = 97.86%			
62) Chlorobenzene-d5	9.298	117	226981	10.000	ug/L	0.00
Standard Area 1 = 229778			Recovery = 98.78%			
83) 1,4-Dichlorobenzene-d4	12.058	152	116108	10.000	ug/L	0.00
Standard Area 1 = 116288			Recovery = 99.85%			
System Monitoring Compounds						
38) Dibromofluoromethane	4.971	113	76971	10.256	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.56%			
46) 1,2-Dichloroethane-d4	5.494	65	67112	9.688	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.88%			
63) Toluene-d8	7.464	98	312281	10.018	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.18%			
87) 4-Bromofluorobenzene	10.827	95	107778	9.852	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.52%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.522	85	10372	1.976	ug/L	98
3) Chloromethane	1.717	50	13377	1.961	ug/L	94
4) Vinyl chloride	1.764	62	11136	1.823	ug/L	98
5) Bromomethane	2.052	94	5160	1.755	ug/L	84
6) Chloroethane	2.169	64	6582	2.015	ug/L	100
7) Trichlorofluoromethane	2.302	101	17067	2.003	ug/L	100
8) Ethyl ether	2.591	74	5443	2.002	ug/L #	1
10) 1,1-Dichloroethene	2.770	96	11033	2.051	ug/L	97
11) Carbon disulfide	2.802	76	28212	2.113	ug/L	100
12) Freon-113	2.817	101	11273	2.072	ug/L	96
13) Iodomethane	2.911	142	14533	1.765	ug/L	100
14) Acrolein	3.090	56	1595	1.940	ug/L	99
15) Methylene chloride	3.309	84	12031	2.096	ug/L	84
17) Acetone	3.356	43	2725M1	1.526	ug/L	
18) trans-1,2-Dichloroethene	3.457	96	12843	2.177	ug/L	96
19) Methyl acetate	3.473	43	6492M1	1.721	ug/L	
21) Methyl tert-butyl ether	3.559	73	26498	2.103	ug/L	89
22) tert-Butyl alcohol	3.644	59	3475	10.806	ug/L #	94
24) Diisopropyl ether	3.918	45	39881	2.064	ug/L	93
25) 1,1-Dichloroethane	4.035	63	21969	2.098	ug/L	99
26) Halothane	4.082	117	10915	2.090	ug/L	99

Data Path : I:\VOLATILES\VOA122\2020\200617N\
Data File : V22200617N08.D
Acq On : 17 Jun 2020 06:05 pm
Operator : VOA122:PD
Sample : I8260STDL2.0PPB
Misc : WG1383235,ICAL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 18 12:20:37 2020
Quant Method : I:\VOLATILES\VOA122\2020\200617N\V122_200617N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jun 18 12:19:29 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2020\200617N\V22200617N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	4.074	53	3435	2.216	ug/L		91
28) Ethyl tert-butyl ether	4.253	59	36300	2.036	ug/L		93
29) Vinyl acetate	4.269	43	23636	2.078	ug/L	#	92
30) cis-1,2-Dichloroethene	4.542	96	13529	2.126	ug/L		91
31) 2,2-Dichloropropane	4.643	77	16411	2.164	ug/L		90
32) Bromochloromethane	4.729	128	7040	2.100	ug/L	#	86
33) Cyclohexane	4.737	56	24509	2.153	ug/L		78
34) Chloroform	4.800	83	21038	2.183	ug/L		98
35) Ethyl acetate	4.924	43	9034	2.117	ug/L	#	90
36) Carbon tetrachloride	4.940	117	18738	1.978	ug/L		97
37) Tetrahydrofuran	4.956	42	4332	2.443	ug/L	#	70
39) 1,1,1-Trichloroethane	5.002	97	19179	2.118	ug/L		98
41) 2-Butanone	5.104	43	3949	1.836	ug/L	#	70
42) 1,1-Dichloropropene	5.127	75	15045	2.088	ug/L		96
44) Benzene	5.369	78	47910	2.023	ug/L		95
45) tert-Amyl methyl ether	5.479	73	29685	1.953	ug/L	#	92
47) 1,2-Dichloroethane	5.564	62	16757	2.186	ug/L		95
50) Methyl cyclohexane	5.948	83	19893	1.994	ug/L	#	75
51) Trichloroethene	5.957	95	12664	1.929	ug/L		92
53) Dibromomethane	6.389	93	6901	2.101	ug/L		86
54) 1,2-Dichloropropane	6.502	63	12265	2.048	ug/L		96
56) 2-Chloroethyl vinyl ether	7.194	63	6956	1.948	ug/L	#	88
57) Bromodichloromethane	6.562	83	14961	2.005	ug/L		99
60) 1,4-Dioxane	6.779	88	11926	448.051	ug/L	#	68
61) cis-1,3-Dichloropropene	7.254	75	18184	2.017	ug/L	#	88
64) Toluene	7.527	92	31709	2.061	ug/L		100
65) 4-Methyl-2-pentanone	7.964	58	3674	2.072	ug/L	#	73
66) Tetrachloroethene	7.972	166	14942	2.049	ug/L		99
68) trans-1,3-Dichloropropene	8.003	75	15847	2.031	ug/L		85
70) Ethyl methacrylate	8.206	69	12224	2.062	ug/L		99
71) 1,1,2-Trichloroethane	8.182	83	7845	2.061	ug/L		99
72) Chlorodibromomethane	8.393	129	13209	2.003	ug/L		98
73) 1,3-Dichloropropane	8.510	76	16015	2.053	ug/L		98
74) 1,2-Dibromoethane	8.666	107	10261	2.033	ug/L		97
76) 2-Hexanone	8.970	43	7426	2.262	ug/L	#	82
77) Chlorobenzene	9.321	112	37406	2.086	ug/L		97
78) Ethylbenzene	9.368	91	59519	2.073	ug/L		98
79) 1,1,1,2-Tetrachloroethane	9.407	131	13982	2.115	ug/L		96
80) p/m Xylene	9.556	106	51359	4.297	ug/L		92
81) o Xylene	10.102	106	49469	4.242	ug/L		95

Data Path : I:\VOLATILES\VOA122\2020\200617N\
Data File : V22200617N08.D
Acq On : 17 Jun 2020 06:05 pm
Operator : VOA122:PD
Sample : I8260STDL2.0PPB
Misc : WG1383235,ICAL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 18 12:20:37 2020
Quant Method : I:\VOLATILES\VOA122\2020\200617N\V122_200617N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jun 18 12:19:29 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2020\200617N\V22200617N09.D
Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
82)	Styrene	10.172	104	80886	4.299	ug/L		96
84)	Bromoform	10.188	173	7535	2.001	ug/L		100
86)	Isopropylbenzene	10.492	105	39560	2.125	ug/L		97
88)	Bromobenzene	10.937	156	15834	2.030	ug/L		98
89)	n-Propylbenzene	10.991	91	71248	2.056	ug/L		96
90)	1,4-Dichlorobutane	11.007	55	16844	2.004	ug/L		94
91)	1,1,2,2-Tetrachloroethane	11.077	83	11462	2.066	ug/L		99
92)	4-Ethyltoluene	11.124	105	62565	2.065	ug/L		97
93)	2-Chlorotoluene	11.155	91	47000	2.054	ug/L		92
94)	1,3,5-Trimethylbenzene	11.226	105	51973	2.079	ug/L		96
95)	1,2,3-Trichloropropane	11.218	75	8722	2.058	ug/L		93
96)	trans-1,4-Dichloro-2-b...	11.272	53	3453	2.131	ug/L	#	80
97)	4-Chlorotoluene	11.351	91	42616	2.037	ug/L		93
98)	tert-Butylbenzene	11.577	119	47366	2.079	ug/L		95
101)	1,2,4-Trimethylbenzene	11.655	105	50904	2.049	ug/L		96
102)	sec-Butylbenzene	11.764	105	62995	2.056	ug/L		99
103)	p-Isopropyltoluene	11.926	119	64431	2.106	ug/L		97
104)	1,3-Dichlorobenzene	11.981	146	31461	2.090	ug/L		99
105)	1,4-Dichlorobenzene	12.079	146	30716	2.069	ug/L		97
106)	p-Diethylbenzene	12.309	119	32322	2.046	ug/L		98
107)	n-Butylbenzene	12.364	91	42400	2.074	ug/L		96
108)	1,2-Dichlorobenzene	12.503	146	27929	2.059	ug/L		98
109)	1,2,4,5-Tetramethylben...	13.109	119	45780	2.050	ug/L		99
110)	1,2-Dibromo-3-chloropr...	13.290	155	2265	2.139	ug/L		94
111)	1,3,5-Trichlorobenzene	13.325	180	16208	2.017	ug/L		98
112)	Hexachlorobutadiene	13.910	225	4890	2.043	ug/L		96
113)	1,2,4-Trichlorobenzene	13.930	180	14882	2.001	ug/L		97
114)	Naphthalene	14.223	128	42743	2.056	ug/L		100
115)	1,2,3-Trichlorobenzene	14.390	180	13770	2.034	ug/L	#	96

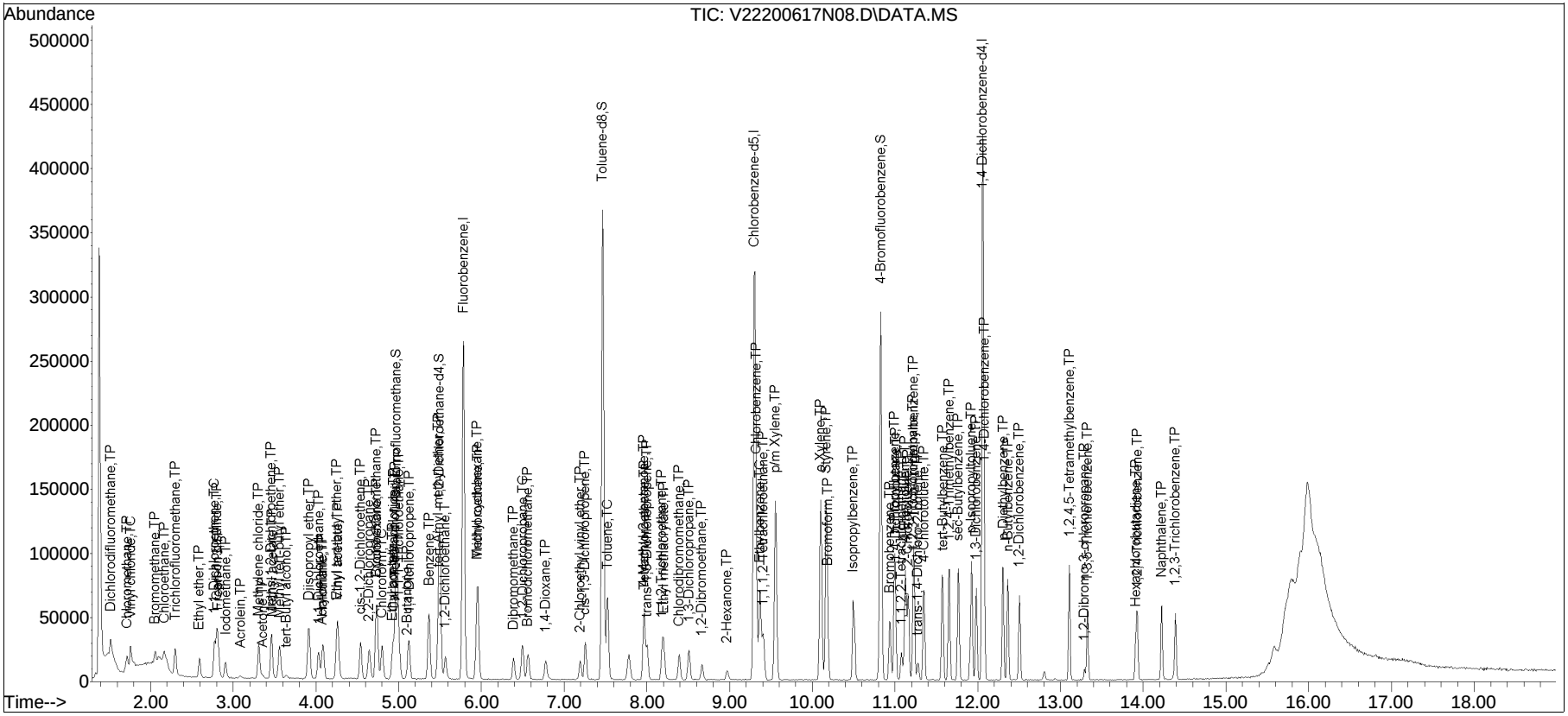
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2020\200617N\
Data File : V22200617N08.D
Acq On : 17 Jun 2020 06:05 pm
Operator : VOA122:PD
Sample : I8260STDL2.0PPB
Misc : WG1383235,ICAL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 18 12:20:37 2020
Quant Method : I:\VOLATILES\VOA122\2020\200617N\V122_200617N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jun 18 12:19:29 2020
Response via : Initial Calibration

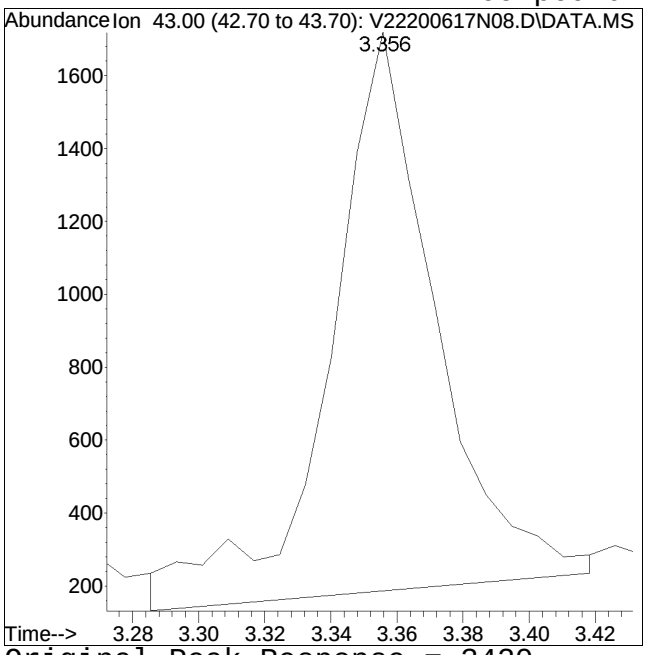
Sub List : 8260-Curve - Megamix plus Diox00617N\V22200617N09.D•

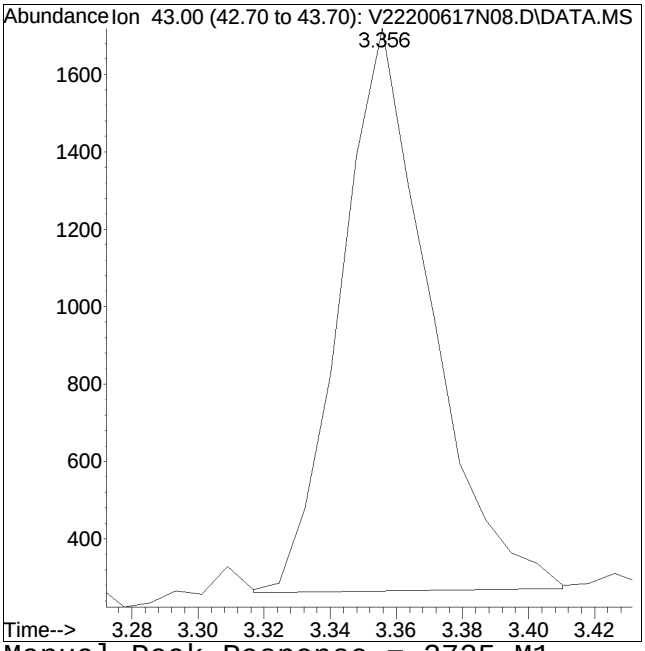


Manual Integration Report

Data Path : I:\VOLATILES\VOA122\2020\2QMethod : V122_200617N_8260.m
Data File : V22200617N08.D Operator : VOA122:PD
Date Inj'd : 6/17/2020 6:05 pm Instrument : VOA122
Sample : I8260STDL2.0PPB Quant Date : 6/18/2020 12:20 pm

Compound #17: Acetone



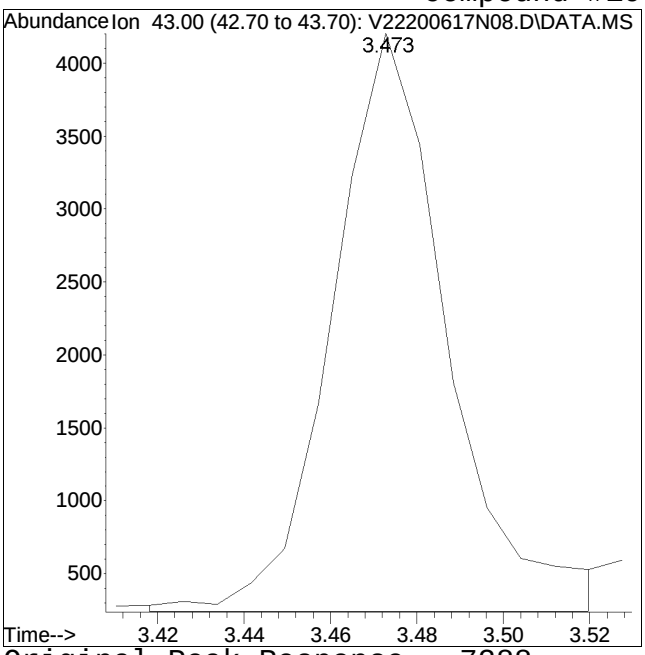


Original Peak Response = 3420 Manual Peak Response = 2725 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

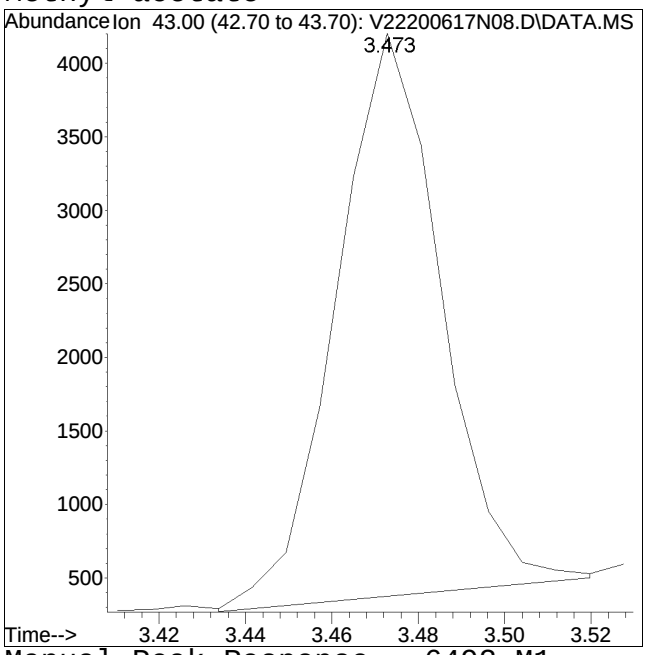
Manual Integration Report

Data Path : I:\VOLATILES\VOA122\2020\2QMethod : V122_200617N_8260.m
Data File : V22200617N08.D Operator : VOA122:PD
Date Inj'd : 6/17/2020 6:05 pm Instrument : VOA122
Sample : I8260STDL2.0PPB Quant Date : 6/18/2020 12:20 pm

Compound #19: Methyl acetate



Original Peak Response = 7288



Manual Peak Response = 6492 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2020\200617N\
Data File : V22200617N09.D
Acq On : 17 Jun 2020 06:30 pm
Operator : VOA122:PD
Sample : I8260STDL10.0PPB
Misc : WG1383235,ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 18 12:20:45 2020
Quant Method : I:\VOLATILES\VOA122\2020\200617N\V122_200617N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jun 18 12:19:29 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2020\200617N\V22200617N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.784	96	274244	10.000	ug/L	0.00
Standard Area 1 = 274244			Recovery = 100.00%			
62) Chlorobenzene-d5	9.298	117	229778	10.000	ug/L	0.00
Standard Area 1 = 229778			Recovery = 100.00%			
83) 1,4-Dichlorobenzene-d4	12.058	152	116288	10.000	ug/L	0.00
Standard Area 1 = 116288			Recovery = 100.00%			
System Monitoring Compounds						
38) Dibromofluoromethane	4.979	113	77309	10.081	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.81%			
46) 1,2-Dichloroethane-d4	5.494	65	69252	9.783	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.83%			
63) Toluene-d8	7.465	98	313894	9.948	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.48%			
87) 4-Bromofluorobenzene	10.828	95	108362	9.890	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.90%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.522	85	52752	9.835	ug/L	99
3) Chloromethane	1.717	50	68641	9.847	ug/L	98
4) Vinyl chloride	1.764	62	57225	9.167	ug/L	98
5) Bromomethane	2.053	94	26576	8.848	ug/L	98
6) Chloroethane	2.170	64	32718	9.801	ug/L	99
7) Trichlorofluoromethane	2.302	101	85516	9.821	ug/L	99
8) Ethyl ether	2.599	74	28136	10.129	ug/L #	1
10) 1,1-Dichloroethene	2.778	96	55232	10.048	ug/L	95
11) Carbon disulfide	2.802	76	136264	9.989	ug/L	100
12) Freon-113	2.817	101	56814	10.217	ug/L	97
13) Iodomethane	2.911	142	92137	10.951	ug/L	99
14) Acrolein	3.083	56	8565	10.197	ug/L	94
15) Methylene chloride	3.309	84	59383	10.123	ug/L	82
17) Acetone	3.356	43	10829	5.933	ug/L #	87
18) trans-1,2-Dichloroethene	3.465	96	61490	10.200	ug/L	94
19) Methyl acetate	3.473	43	34363	8.913	ug/L #	87
21) Methyl tert-butyl ether	3.559	73	132432	10.283	ug/L	91
22) tert-Butyl alcohol	3.637	59	17129	52.124	ug/L	98
24) Diisopropyl ether	3.918	45	201615	10.209	ug/L	92
25) 1,1-Dichloroethane	4.035	63	108155	10.108	ug/L	97
26) Halothane	4.082	117	53814	10.082	ug/L	100

Data Path : I:\VOLATILES\VOA122\2020\200617N\
Data File : V22200617N09.D
Acq On : 17 Jun 2020 06:30 pm
Operator : VOA122:PD
Sample : I8260STDL10.0PPB
Misc : WG1383235,ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 18 12:20:45 2020
Quant Method : I:\VOLATILES\VOA122\2020\200617N\V122_200617N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jun 18 12:19:29 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2020\200617N\V22200617N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	4.074	53	16348	10.322	ug/L		95
28) Ethyl tert-butyl ether	4.253	59	186538	10.241	ug/L		96
29) Vinyl acetate	4.269	43	113524	9.769	ug/L	#	94
30) cis-1,2-Dichloroethene	4.542	96	66525	10.229	ug/L		91
31) 2,2-Dichloropropane	4.644	77	73213	9.449	ug/L		94
32) Bromochloromethane	4.729	128	35273	10.298	ug/L		92
33) Cyclohexane	4.737	56	116512	10.015	ug/L		76
34) Chloroform	4.800	83	99266	10.081	ug/L		97
35) Ethyl acetate	4.917	43	44901	10.297	ug/L		96
36) Carbon tetrachloride	4.940	117	89755	9.271	ug/L		97
37) Tetrahydrofuran	4.956	42	16555M2	9.136	ug/L		
39) 1,1,1-Trichloroethane	5.003	97	92630	10.010	ug/L		99
41) 2-Butanone	5.096	43	18629	8.476	ug/L	#	73
42) 1,1-Dichloropropene	5.127	75	72531	9.850	ug/L		96
44) Benzene	5.369	78	233306	9.642	ug/L		96
45) tert-Amyl methyl ether	5.479	73	161833	10.419	ug/L		96
47) 1,2-Dichloroethane	5.565	62	76898	9.818	ug/L		99
50) Methyl cyclohexane	5.949	83	100612	9.868	ug/L	#	80
51) Trichloroethene	5.957	95	61810	9.212	ug/L		93
53) Dibromomethane	6.390	93	33046	9.845	ug/L		90
54) 1,2-Dichloropropane	6.502	63	62038	10.138	ug/L		96
56) 2-Chloroethyl vinyl ether	7.194	63	37627	10.313	ug/L		88
57) Bromodichloromethane	6.563	83	76003	9.969	ug/L		100
60) 1,4-Dioxane	6.779	88	14850	545.969	ug/L	#	74
61) cis-1,3-Dichloropropene	7.254	75	92485	10.040	ug/L		93
64) Toluene	7.527	92	156213	10.028	ug/L		97
65) 4-Methyl-2-pentanone	7.964	58	18412	10.259	ug/L		91
66) Tetrachloroethene	7.964	166	73952	10.016	ug/L		99
68) trans-1,3-Dichloropropene	8.003	75	78303	9.912	ug/L		94
70) Ethyl methacrylate	8.206	69	59569	9.925	ug/L		96
71) 1,1,2-Trichloroethane	8.182	83	38252	9.929	ug/L		97
72) Chlorodibromomethane	8.393	129	67138	10.057	ug/L		98
73) 1,3-Dichloropropane	8.510	76	78459	9.937	ug/L		98
74) 1,2-Dibromoethane	8.666	107	51040	9.989	ug/L		98
76) 2-Hexanone	8.970	43	31075	9.351	ug/L		97
77) Chlorobenzene	9.322	112	184491	10.164	ug/L	#	84
78) Ethylbenzene	9.368	91	293307	10.089	ug/L		98
79) 1,1,1,2-Tetrachloroethane	9.407	131	68457	10.231	ug/L		97
80) p/m Xylene	9.556	106	248632	20.548	ug/L		93
81) o Xylene	10.102	106	239809	20.313	ug/L		95

Data Path : I:\VOLATILES\VOA122\2020\200617N\
Data File : V22200617N09.D
Acq On : 17 Jun 2020 06:30 pm
Operator : VOA122:PD
Sample : I8260STDL10.0PPB
Misc : WG1383235,ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 18 12:20:45 2020
Quant Method : I:\VOLATILES\VOA122\2020\200617N\V122_200617N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jun 18 12:19:29 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2020\200617N\V22200617N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) Styrene	10.172	104	395018	20.738	ug/L	95
84) Bromoform	10.180	173	37883	10.045	ug/L	99
86) Isopropylbenzene	10.492	105	188212	10.093	ug/L	96
88) Bromobenzene	10.937	156	77249	9.887	ug/L	100
89) n-Propylbenzene	10.992	91	347309	10.008	ug/L	96
90) 1,4-Dichlorobutane	11.007	55	81649	9.699	ug/L	94
91) 1,1,2,2-Tetrachloroethane	11.077	83	55479	9.985	ug/L	99
92) 4-Ethyltoluene	11.124	105	308727	10.176	ug/L	97
93) 2-Chlorotoluene	11.156	91	231761	10.112	ug/L	94
94) 1,3,5-Trimethylbenzene	11.226	105	252880	10.099	ug/L	96
95) 1,2,3-Trichloropropane	11.218	75	42895	10.108	ug/L	95
96) trans-1,4-Dichloro-2-b...	11.273	53	15734	9.693	ug/L	90
97) 4-Chlorotoluene	11.351	91	208794	9.966	ug/L	95
98) tert-Butylbenzene	11.569	119	227592	9.973	ug/L	95
101) 1,2,4-Trimethylbenzene	11.655	105	251048	10.088	ug/L	97
102) sec-Butylbenzene	11.764	105	308999	10.070	ug/L	98
103) p-Isopropyltoluene	11.926	119	311899	10.179	ug/L	97
104) 1,3-Dichlorobenzene	11.982	146	151599	10.055	ug/L	98
105) 1,4-Dichlorobenzene	12.079	146	149413	10.046	ug/L	98
106) p-Diethylbenzene	12.302	119	161016	10.178	ug/L	97
107) n-Butylbenzene	12.364	91	204681	9.996	ug/L	98
108) 1,2-Dichlorobenzene	12.504	146	136737	10.063	ug/L	97
109) 1,2,4,5-Tetramethylben...	13.109	119	224461	10.036	ug/L	98
110) 1,2-Dibromo-3-chloropr...	13.290	155	10447	9.849	ug/L	100
111) 1,3,5-Trichlorobenzene	13.325	180	81126	10.079	ug/L	97
112) Hexachlorobutadiene	13.910	225	23487	9.798	ug/L	98
113) 1,2,4-Trichlorobenzene	13.931	180	72981	9.799	ug/L	98
114) Naphthalene	14.223	128	203929	9.796	ug/L	100
115) 1,2,3-Trichlorobenzene	14.390	180	66532	9.813	ug/L	96

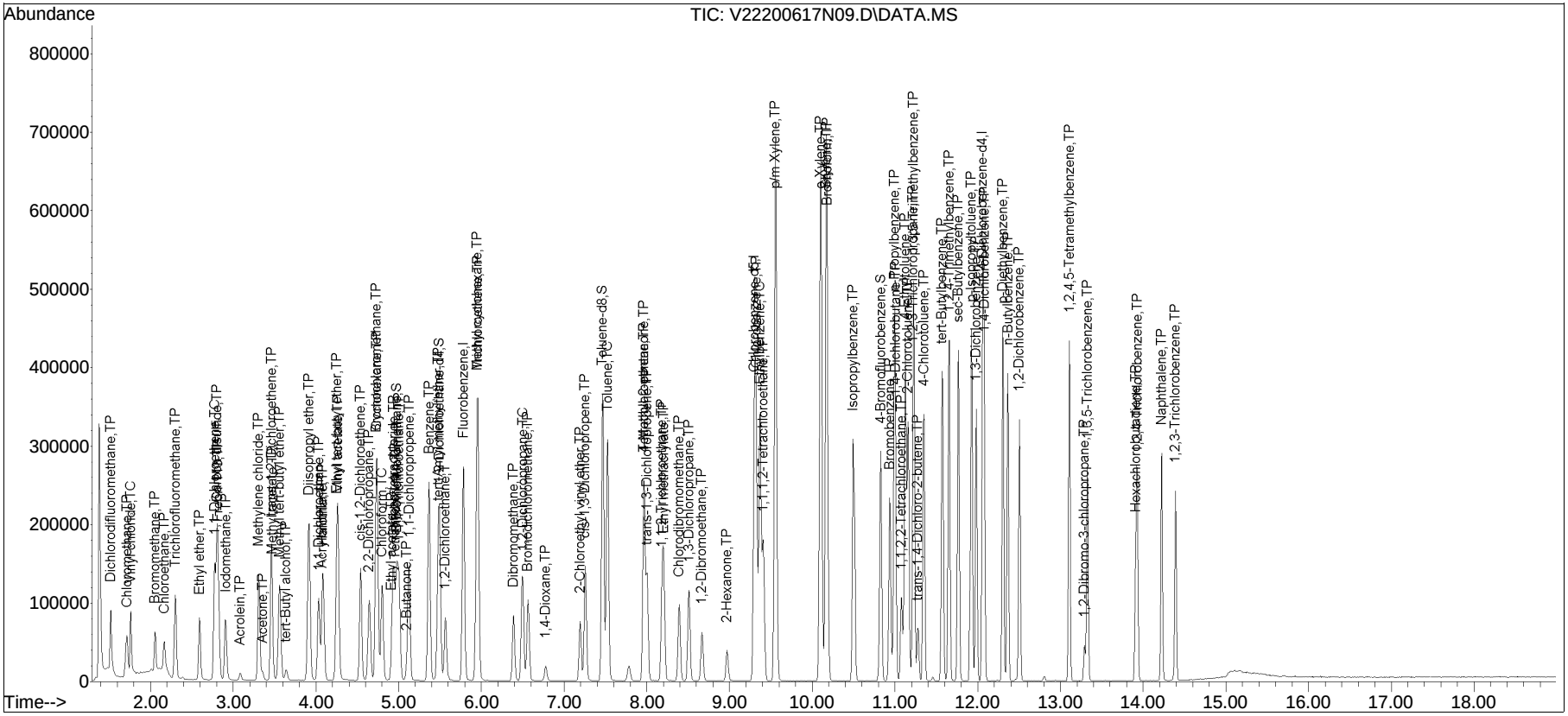
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2020\200617N\
Data File : V22200617N09.D
Acq On : 17 Jun 2020 06:30 pm
Operator : VOA122:PD
Sample : I8260STDL10.0PPB
Misc : WG1383235,ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 18 12:20:45 2020
Quant Method : I:\VOLATILES\VOA122\2020\200617N\V122_200617N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jun 18 12:19:29 2020
Response via : Initial Calibration

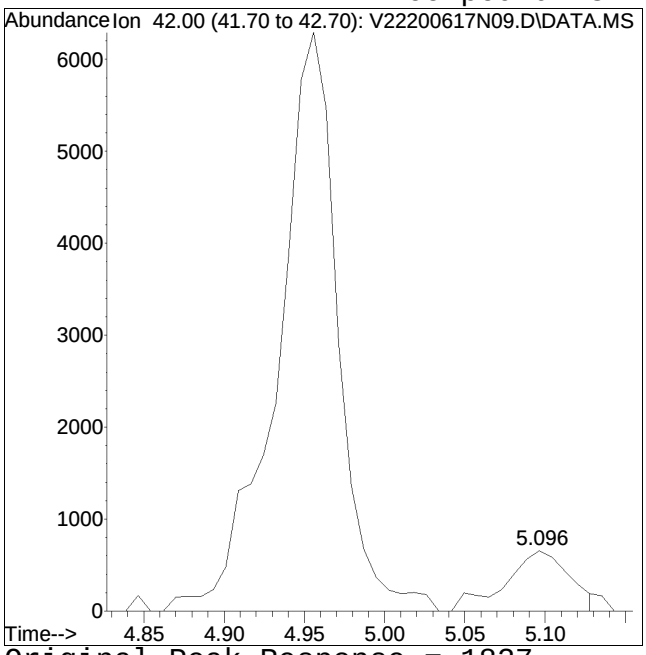
Sub List : 8260-Curve - Megamix plus Diox00617N\V22200617N09.D•

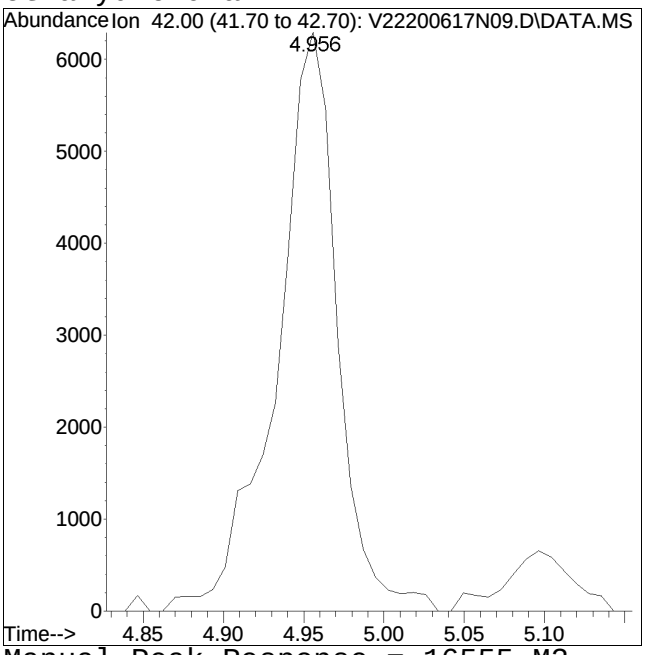


Manual Integration Report

Data Path : I:\VOLATILES\VOA122\2020\2QMethod : V122_200617N_8260.m
Data File : V22200617N09.D Operator : VOA122:PD
Date Inj'd : 6/17/2020 6:30 pm Instrument : VOA122
Sample : I8260STDL10.0PPB Quant Date : 6/18/2020 12:20 pm

Compound #37: Tetrahydrofuran





Original Peak Response = 1827 Manual Peak Response = 16555 M2
M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2020\200617N\
Data File : V22200617N10.D
Acq On : 17 Jun 2020 06:55 pm
Operator : VOA122:PD
Sample : I8260STDL30.0PPB
Misc : WG1383235,ICAL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 18 12:20:53 2020
Quant Method : I:\VOLATILES\VOA122\2020\200617N\V122_200617N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jun 18 12:19:29 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2020\200617N\V22200617N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.784	96	274789	10.000	ug/L	0.00
Standard Area 1 = 274244			Recovery = 100.20%			
62) Chlorobenzene-d5	9.306	117	233297	10.000	ug/L	0.00
Standard Area 1 = 229778			Recovery = 101.53%			
83) 1,4-Dichlorobenzene-d4	12.065	152	113889	10.000	ug/L	0.00
Standard Area 1 = 116288			Recovery = 97.94%			
System Monitoring Compounds						
38) Dibromofluoromethane	4.971	113	76925	10.011	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.11%			
46) 1,2-Dichloroethane-d4	5.502	65	68781	9.698	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.98%			
63) Toluene-d8	7.464	98	318842	9.952	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.52%			
87) 4-Bromofluorobenzene	10.827	95	107454	10.014	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.14%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.522	85	182484	33.955	ug/L	98
3) Chloromethane	1.709	50	219146	31.377	ug/L	97
4) Vinyl chloride	1.764	62	193772	30.980	ug/L	98
5) Bromomethane	2.052	94	95849	31.846	ug/L	98
6) Chloroethane	2.162	64	104377	31.205	ug/L	99
7) Trichlorofluoromethane	2.302	101	292765	33.555	ug/L	99
8) Ethyl ether	2.591	74	88667	31.858	ug/L #	1
10) 1,1-Dichloroethene	2.778	96	180197	32.717	ug/L	94
11) Carbon disulfide	2.802	76	426930	31.234	ug/L	100
12) Freon-113	2.817	101	188991	33.920	ug/L	98
13) Iodomethane	2.911	142	299102	35.481	ug/L	99
14) Acrolein	3.082	56	23796	28.273	ug/L	99
15) Methylene chloride	3.309	84	182679	31.080	ug/L	83
17) Acetone	3.356	43	33945	18.562	ug/L	96
18) trans-1,2-Dichloroethene	3.465	96	190589	31.551	ug/L	94
19) Methyl acetate	3.473	43	100736	26.077	ug/L #	88
21) Methyl tert-butyl ether	3.559	73	393377	30.485	ug/L	92
22) tert-Butyl alcohol	3.644	59	48254	146.548	ug/L	97
24) Diisopropyl ether	3.918	45	611247	30.891	ug/L	93
25) 1,1-Dichloroethane	4.035	63	333212	31.078	ug/L	97
26) Halothane	4.081	117	172885	32.327	ug/L	98

Data Path : I:\VOLATILES\VOA122\2020\200617N\
Data File : V22200617N10.D
Acq On : 17 Jun 2020 06:55 pm
Operator : VOA122:PD
Sample : I8260STDL30.0PPB
Misc : WG1383235,ICAL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 18 12:20:53 2020
Quant Method : I:\VOLATILES\VOA122\2020\200617N\V122_200617N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jun 18 12:19:29 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2020\200617N\V22200617N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	4.074	53	47919	30.197	ug/L		96
28) Ethyl tert-butyl ether	4.261	59	566267	31.025	ug/L		94
29) Vinyl acetate	4.269	43	327439	28.120	ug/L	#	94
30) cis-1,2-Dichloroethene	4.542	96	204570	31.392	ug/L		93
31) 2,2-Dichloropropane	4.643	77	242652	31.254	ug/L		94
32) Bromochloromethane	4.729	128	105436	30.721	ug/L		93
33) Cyclohexane	4.737	56	377042	32.347	ug/L		77
34) Chloroform	4.799	83	302103	30.619	ug/L		98
35) Ethyl acetate	4.917	43	134600	30.805	ug/L	#	95
36) Carbon tetrachloride	4.940	117	291468	30.047	ug/L		97
37) Tetrahydrofuran	4.956	42	46488	25.605	ug/L	#	87
39) 1,1,1-Trichloroethane	5.002	97	294329	31.743	ug/L		99
41) 2-Butanone	5.096	43	55427	25.167	ug/L	#	76
42) 1,1-Dichloropropene	5.127	75	236815	32.097	ug/L		96
44) Benzene	5.369	78	718455	29.634	ug/L		95
45) tert-Amyl methyl ether	5.478	73	491751	31.597	ug/L		93
47) 1,2-Dichloroethane	5.564	62	232229	29.591	ug/L		99
50) Methyl cyclohexane	5.948	83	337462	33.033	ug/L	#	80
51) Trichloroethene	5.957	95	196939	29.295	ug/L		94
53) Dibromomethane	6.389	93	101294	30.119	ug/L		91
54) 1,2-Dichloropropane	6.493	63	189180	30.853	ug/L		95
56) 2-Chloroethyl vinyl ether	7.194	63	115178	31.506	ug/L		92
57) Bromodichloromethane	6.562	83	236357	30.941	ug/L		99
60) 1,4-Dioxane	6.778	88	16467	604.218	ug/L	#	70
61) cis-1,3-Dichloropropene	7.254	75	291905	31.625	ug/L		96
64) Toluene	7.527	92	493688	31.215	ug/L		96
65) 4-Methyl-2-pentanone	7.964	58	55225	30.306	ug/L		91
66) Tetrachloroethene	7.971	166	238961	31.877	ug/L		100
68) trans-1,3-Dichloropropene	8.003	75	246853	30.776	ug/L		95
70) Ethyl methacrylate	8.206	69	185009	30.361	ug/L		96
71) 1,1,2-Trichloroethane	8.190	83	120178	30.724	ug/L		98
72) Chlorodibromomethane	8.393	129	207356	30.592	ug/L		99
73) 1,3-Dichloropropane	8.510	76	241652	30.144	ug/L		98
74) 1,2-Dibromoethane	8.666	107	159848	30.811	ug/L		99
76) 2-Hexanone	8.970	43	92194	27.325	ug/L		99
77) Chlorobenzene	9.321	112	569520	30.903	ug/L	#	84
78) Ethylbenzene	9.368	91	915995	31.033	ug/L		97
79) 1,1,1,2-Tetrachloroethane	9.407	131	211484	31.129	ug/L		96
80) p/m Xylene	9.555	106	767670	62.486	ug/L		94
81) o Xylene	10.102	106	744567	62.116	ug/L		93

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2020\200617N\
Data File : V22200617N10.D
Acq On : 17 Jun 2020 06:55 pm
Operator : VOA122:PD
Sample : I8260STDL30.0PPB
Misc : WG1383235,ICAL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 18 12:20:53 2020
Quant Method : I:\VOLATILES\VOA122\2020\200617N\V122_200617N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jun 18 12:19:29 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2020\200617N\V22200617N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) Styrene	10.172	104	1196638	61.874	ug/L	96
84) Bromoform	10.180	173	115943	31.391	ug/L	98
86) Isopropylbenzene	10.492	105	568722	31.141	ug/L	97
88) Bromobenzene	10.937	156	232539	30.389	ug/L	100
89) n-Propylbenzene	10.991	91	1080953	31.805	ug/L	96
90) 1,4-Dichlorobutane	11.007	55	245883	29.824	ug/L	95
91) 1,1,2,2-Tetrachloroethane	11.077	83	166597	30.615	ug/L	99
92) 4-Ethyltoluene	11.124	105	947883	31.903	ug/L	97
93) 2-Chlorotoluene	11.163	91	698630	31.124	ug/L	94
94) 1,3,5-Trimethylbenzene	11.226	105	768594	31.340	ug/L	96
95) 1,2,3-Trichloropropane	11.218	75	125662	30.234	ug/L	94
96) trans-1,4-Dichloro-2-b...	11.272	53	47430	29.836	ug/L	91
97) 4-Chlorotoluene	11.350	91	630433	30.726	ug/L	92
98) tert-Butylbenzene	11.577	119	705159	31.552	ug/L	95
101) 1,2,4-Trimethylbenzene	11.655	105	770907	31.631	ug/L	97
102) sec-Butylbenzene	11.764	105	957617	31.865	ug/L	97
103) p-Isopropyltoluene	11.926	119	937633	31.244	ug/L	98
104) 1,3-Dichlorobenzene	11.981	146	455572	30.852	ug/L	98
105) 1,4-Dichlorobenzene	12.079	146	448086	30.764	ug/L	98
106) p-Diethylbenzene	12.308	119	494383	31.910	ug/L	97
107) n-Butylbenzene	12.364	91	635408	31.685	ug/L	98
108) 1,2-Dichlorobenzene	12.503	146	416102	31.267	ug/L	98
109) 1,2,4,5-Tetramethylben...	13.109	119	686257	31.331	ug/L	97
110) 1,2-Dibromo-3-chloropr...	13.290	155	31842	30.651	ug/L	100
111) 1,3,5-Trichlorobenzene	13.325	180	249459	31.644	ug/L	97
112) Hexachlorobutadiene	13.909	225	73344	31.241	ug/L	98
113) 1,2,4-Trichlorobenzene	13.930	180	230246	31.567	ug/L	97
114) Naphthalene	14.223	128	623255	30.568	ug/L	100
115) 1,2,3-Trichlorobenzene	14.390	180	206202	31.053	ug/L	98

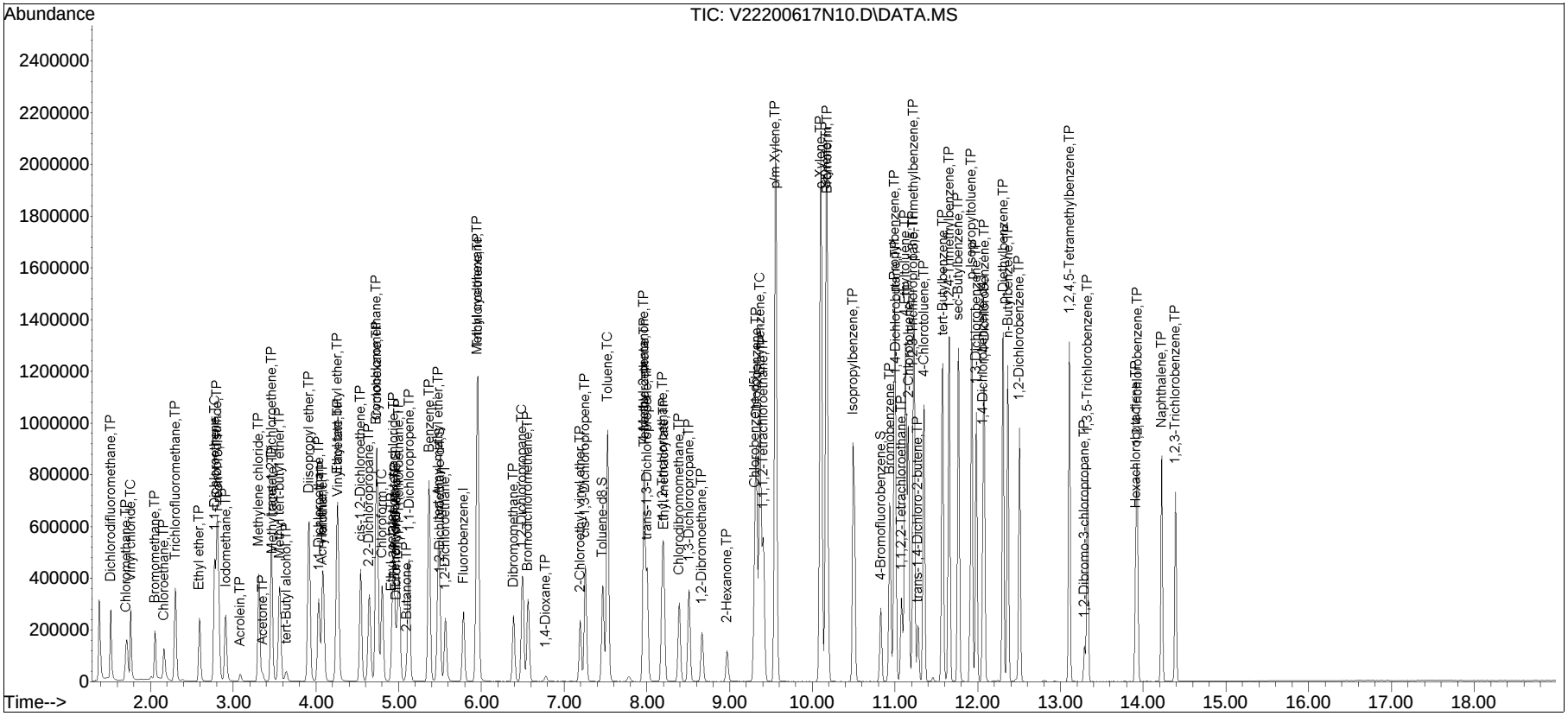
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2020\200617N\
Data File : V22200617N10.D
Acq On : 17 Jun 2020 06:55 pm
Operator : VOA122:PD
Sample : I8260STDL30.0PPB
Misc : WG1383235,ICAL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 18 12:20:53 2020
Quant Method : I:\VOLATILES\VOA122\2020\200617N\V122_200617N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jun 18 12:19:29 2020
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox00617N\V22200617N09.D•



Manual Integration Report

Data Path	: I:\VOLATILES\VOA122\2020\2Q	Method	: V122_200617N_8260.m
Data File	: V22200617N10.D	Operator	: VOA122:PD
Date Inj'd	: 6/17/2020 6:55 pm	Instrument	: VOA122
Sample	: I8260STDL30.0PPB	Quant Date	: 6/18/2020 12:20 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2020\200617N\
Data File : V22200617N11.D
Acq On : 17 Jun 2020 07:20 pm
Operator : VOA122:PD
Sample : I8260STDL80.0PPB
Misc : WG1383235,ICAL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 18 12:21:01 2020
Quant Method : I:\VOLATILES\VOA122\2020\200617N\V122_200617N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jun 18 12:19:29 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2020\200617N\V22200617N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.784	96	275661	10.000	ug/L	0.00
Standard Area 1 = 274244			Recovery = 100.52%			
62) Chlorobenzene-d5	9.306	117	230612	10.000	ug/L	0.00
Standard Area 1 = 229778			Recovery = 100.36%			
83) 1,4-Dichlorobenzene-d4	12.065	152	109294	10.000	ug/L	0.00
Standard Area 1 = 116288			Recovery = 93.99%			
System Monitoring Compounds						
38) Dibromofluoromethane	4.979	113	75469	9.790	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.90%			
46) 1,2-Dichloroethane-d4	5.502	65	68436	9.618	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.18%			
63) Toluene-d8	7.465	98	321483	10.151	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.51%			
87) 4-Bromofluorobenzene	10.828	95	106876	10.379	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.79%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.522	85	473791	87.879	ug/L	98
3) Chloromethane	1.709	50	574596	82.010	ug/L	98
4) Vinyl chloride	1.756	62	502072	80.016	ug/L	98
5) Bromomethane	2.052	94	265510	87.937	ug/L	98
6) Chloroethane	2.162	64	267341	79.673	ug/L	98
7) Trichlorofluoromethane	2.302	101	741183	84.681	ug/L	98
8) Ethyl ether	2.591	74	227997	81.661	ug/L #	1
10) 1,1-Dichloroethene	2.771	96	445731	80.671	ug/L	94
11) Carbon disulfide	2.802	76	1080037	78.766	ug/L	99
12) Freon-113	2.817	101	459789	82.262	ug/L	97
13) Iodomethane	2.903	142	747542	88.396	ug/L	99
14) Acrolein	3.083	56	59477	70.443	ug/L	96
15) Methylene chloride	3.309	84	465324	78.918	ug/L	82
17) Acetone	3.356	43	81502	44.426	ug/L	93
18) trans-1,2-Dichloroethene	3.457	96	483393	79.770	ug/L	94
19) Methyl acetate	3.473	43	247555	63.882	ug/L #	87
21) Methyl tert-butyl ether	3.559	73	998611	77.144	ug/L	92
22) tert-Butyl alcohol	3.637	59	119119	360.622	ug/L	96
24) Diisopropyl ether	3.918	45	1569422	79.064	ug/L	93
25) 1,1-Dichloroethane	4.035	63	859095	79.873	ug/L	97
26) Halothane	4.082	117	445486	83.035	ug/L	100

Data Path : I:\VOLATILES\VOA122\2020\200617N\
Data File : V22200617N11.D
Acq On : 17 Jun 2020 07:20 pm
Operator : VOA122:PD
Sample : I8260STDL80.0PPB
Misc : WG1383235,ICAL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 18 12:21:01 2020
Quant Method : I:\VOLATILES\VOA122\2020\200617N\V122_200617N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jun 18 12:19:29 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2020\200617N\V22200617N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	4.074	53	121932	76.594	ug/L		94
28) Ethyl tert-butyl ether	4.253	59	1451555	79.278	ug/L		95
29) Vinyl acetate	4.269	43	852991	73.023	ug/L		94
30) cis-1,2-Dichloroethene	4.542	96	518665	79.339	ug/L		93
31) 2,2-Dichloropropane	4.644	77	607306	77.974	ug/L		94
32) Bromochloromethane	4.729	128	265087	76.995	ug/L		92
33) Cyclohexane	4.737	56	943909	80.722	ug/L		81
34) Chloroform	4.800	83	773121	78.111	ug/L		98
35) Ethyl acetate	4.917	43	348379	79.479	ug/L	#	95
36) Carbon tetrachloride	4.940	117	748276	76.895	ug/L		97
37) Tetrahydrofuran	4.956	42	114380	62.799	ug/L		88
39) 1,1,1-Trichloroethane	5.003	97	749353	80.562	ug/L		99
41) 2-Butanone	5.096	43	139738	63.249	ug/L	#	76
42) 1,1-Dichloropropene	5.127	75	611155	82.570	ug/L		97
44) Benzene	5.369	78	1880281	77.309	ug/L		95
45) tert-Amyl methyl ether	5.479	73	1268645	81.258	ug/L		95
47) 1,2-Dichloroethane	5.564	62	600889	76.325	ug/L		98
50) Methyl cyclohexane	5.949	83	863557	84.262	ug/L	#	80
51) Trichloroethene	5.957	95	513172	76.093	ug/L		94
53) Dibromomethane	6.390	93	266737	79.061	ug/L		91
54) 1,2-Dichloropropane	6.493	63	493799	80.278	ug/L		95
56) 2-Chloroethyl vinyl ether	7.194	63	294741	80.370	ug/L		92
57) Bromodichloromethane	6.562	83	621864	81.149	ug/L		99
60) 1,4-Dioxane	6.779	88	21579	789.286	ug/L	#	73
61) cis-1,3-Dichloropropene	7.254	75	759934	82.070	ug/L		92
64) Toluene	7.527	92	1277678	81.727	ug/L		96
65) 4-Methyl-2-pentanone	7.964	58	142233	78.964	ug/L		93
66) Tetrachloroethene	7.972	166	620828	83.783	ug/L		100
68) trans-1,3-Dichloropropene	8.003	75	635278	80.124	ug/L		95
70) Ethyl methacrylate	8.206	69	471060	78.202	ug/L		95
71) 1,1,2-Trichloroethane	8.190	83	307576	79.548	ug/L		98
72) Chlorodibromomethane	8.393	129	546907	81.626	ug/L		99
73) 1,3-Dichloropropane	8.510	76	629095	79.387	ug/L		99
74) 1,2-Dibromoethane	8.666	107	413247	80.582	ug/L		100
76) 2-Hexanone	8.970	43	236510	70.915	ug/L		99
77) Chlorobenzene	9.322	112	1483035	81.409	ug/L	#	84
78) Ethylbenzene	9.368	91	2371969	81.295	ug/L		97
79) 1,1,1,2-Tetrachloroethane	9.407	131	542848	80.834	ug/L		97
80) p/m Xylene	9.556	106	1959030	161.316	ug/L		92
81) o Xylene	10.102	106	1901138	160.450	ug/L		93

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2020\200617N\
Data File : V22200617N11.D
Acq On : 17 Jun 2020 07:20 pm
Operator : VOA122:PD
Sample : I8260STDL80.0PPB
Misc : WG1383235,ICAL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 18 12:21:01 2020
Quant Method : I:\VOLATILES\VOA122\2020\200617N\V122_200617N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jun 18 12:19:29 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2020\200617N\V22200617N09.D
Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
82)	Styrene	10.172	104	3033266	158.666	ug/L	96
84)	Bromoform	10.188	173	293821	82.896	ug/L	98
86)	Isopropylbenzene	10.492	105	1415958	80.793	ug/L	96
88)	Bromobenzene	10.937	156	611455	83.266	ug/L	98
89)	n-Propylbenzene	10.999	91	2746205	84.199	ug/L	95
90)	1,4-Dichlorobutane	11.007	55	623658	78.825	ug/L	94
91)	1,1,2,2-Tetrachloroethane	11.077	83	416113	79.683	ug/L	99
92)	4-Ethyltoluene	11.124	105	2364236	82.918	ug/L	97
93)	2-Chlorotoluene	11.163	91	1765467	81.959	ug/L	93
94)	1,3,5-Trimethylbenzene	11.226	105	1940076	82.434	ug/L	96
95)	1,2,3-Trichloropropane	11.218	75	315791	79.174	ug/L	95
96)	trans-1,4-Dichloro-2-b...	11.280	53	121805	79.842	ug/L	92
97)	4-Chlorotoluene	11.351	91	1625109	82.535	ug/L	94
98)	tert-Butylbenzene	11.577	119	1793306	83.614	ug/L	95
101)	1,2,4-Trimethylbenzene	11.655	105	1957077	83.676	ug/L	97
102)	sec-Butylbenzene	11.764	105	2434606	84.418	ug/L	97
103)	p-Isopropyltoluene	11.926	119	2340271	81.261	ug/L	98
104)	1,3-Dichlorobenzene	11.981	146	1153948	81.434	ug/L	99
105)	1,4-Dichlorobenzene	12.079	146	1113548	79.666	ug/L	99
106)	p-Diethylbenzene	12.309	119	1273210	85.634	ug/L	98
107)	n-Butylbenzene	12.364	91	1613137	83.822	ug/L	97
108)	1,2-Dichlorobenzene	12.504	146	1041687	81.567	ug/L	97
109)	1,2,4,5-Tetramethylben...	13.109	119	1766859	84.058	ug/L	97
110)	1,2-Dibromo-3-chloropr...	13.290	155	80989	81.238	ug/L	98
111)	1,3,5-Trichlorobenzene	13.325	180	639166	84.488	ug/L	97
112)	Hexachlorobutadiene	13.910	225	196842	87.371	ug/L	99
113)	1,2,4-Trichlorobenzene	13.931	180	590773	84.401	ug/L	96
114)	Naphthalene	14.223	128	1600597	81.804	ug/L	100
115)	1,2,3-Trichlorobenzene	14.390	180	533410	83.707	ug/L	96

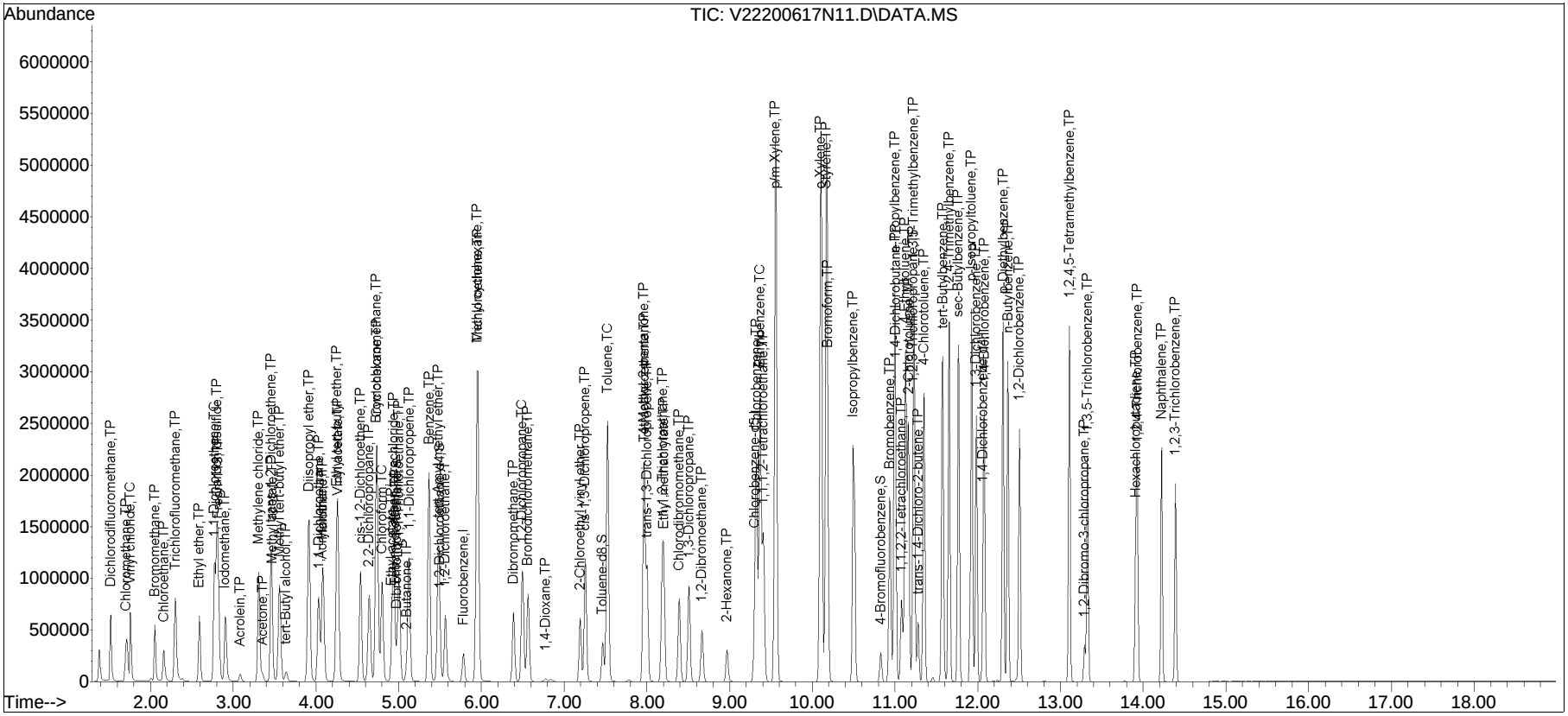
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2020\200617N\
Data File : V22200617N11.D
Acq On : 17 Jun 2020 07:20 pm
Operator : VOA122:PD
Sample : I8260STDL80.0PPB
Misc : WG1383235,ICAL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 18 12:21:01 2020
Quant Method : I:\VOLATILES\VOA122\2020\200617N\V122_200617N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jun 18 12:19:29 2020
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox00617N\V22200617N09.D•



Manual Integration Report

Data Path	: I:\VOLATILES\VOA122\2020\2Q	Method	: V122_200617N_8260.m
Data File	: V22200617N11.D	Operator	: VOA122:PD
Date Inj'd	: 6/17/2020 7:20 pm	Instrument	: VOA122
Sample	: I8260STDL80.0PPB	Quant Date	: 6/18/2020 12:20 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2020\200617N\
Data File : V22200617N12.D
Acq On : 17 Jun 2020 07:45 pm
Operator : VOA122:PD
Sample : I8260STDL120.0PPB
Misc : WG1383235,ICAL
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 18 12:21:09 2020
Quant Method : I:\VOLATILES\VOA122\2020\200617N\V122_200617N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jun 18 12:19:29 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2020\200617N\V22200617N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.784	96	275289	10.000	ug/L	0.00
Standard Area 1 = 274244			Recovery = 100.38%			
62) Chlorobenzene-d5	9.306	117	230087	10.000	ug/L	0.00
Standard Area 1 = 229778			Recovery = 100.13%			
83) 1,4-Dichlorobenzene-d4	12.065	152	108608	10.000	ug/L	0.00
Standard Area 1 = 116288			Recovery = 93.40%			
System Monitoring Compounds						
38) Dibromofluoromethane	4.979	113	75539	9.812	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.12%			
46) 1,2-Dichloroethane-d4	5.494	65	69587	9.793	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.93%			
63) Toluene-d8	7.464	98	319523	10.112	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.12%			
87) 4-Bromofluorobenzene	10.827	95	106690	10.426	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.26%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.522	85	697335	129.517	ug/L	98
3) Chloromethane	1.709	50	851901	121.753	ug/L	98
4) Vinyl chloride	1.756	62	751660	119.955	ug/L	98
5) Bromomethane	2.052	94	411431	136.451	ug/L	99
6) Chloroethane	2.162	64	384251	114.669	ug/L	99
7) Trichlorofluoromethane	2.302	101	1082523	123.846	ug/L	98
8) Ethyl ether	2.591	74	338776	121.502	ug/L #	1
10) 1,1-Dichloroethene	2.778	96	644096	116.730	ug/L	93
11) Carbon disulfide	2.802	76	1577280	115.185	ug/L	100
12) Freon-113	2.817	101	672106	120.410	ug/L	97
13) Iodomethane	2.911	142	1072391	126.981	ug/L	99
14) Acrolein	3.083	56	89295	105.902	ug/L	97
15) Methylene chloride	3.309	84	687565	116.768	ug/L	82
17) Acetone	3.356	43	125511	68.507	ug/L	93
18) trans-1,2-Dichloroethene	3.457	96	702260	116.045	ug/L	94
19) Methyl acetate	3.473	43	368461	95.210	ug/L #	87
21) Methyl tert-butyl ether	3.559	73	1478898	114.401	ug/L	91
22) tert-Butyl alcohol	3.644	59	183849	557.338	ug/L	96
24) Diisopropyl ether	3.918	45	2339299	118.008	ug/L	93
25) 1,1-Dichloroethane	4.035	63	1271948	118.418	ug/L	97
26) Halothane	4.081	117	655858	122.413	ug/L	100

Data Path : I:\VOLATILES\VOA122\2020\200617N\
Data File : V22200617N12.D
Acq On : 17 Jun 2020 07:45 pm
Operator : VOA122:PD
Sample : I8260STDL120.0PPB
Misc : WG1383235,ICAL
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 18 12:21:09 2020
Quant Method : I:\VOLATILES\VOA122\2020\200617N\V122_200617N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jun 18 12:19:29 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2020\200617N\V22200617N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	4.074	53	185995	116.995	ug/L		95
28) Ethyl tert-butyl ether	4.253	59	2151378	117.658	ug/L		96
29) Vinyl acetate	4.269	43	1314521	112.685	ug/L		94
30) cis-1,2-Dichloroethene	4.542	96	759256	116.299	ug/L		93
31) 2,2-Dichloropropane	4.643	77	885596	113.858	ug/L		94
32) Bromochloromethane	4.729	128	390491	113.572	ug/L		94
33) Cyclohexane	4.737	56	1390998	119.118	ug/L		80
34) Chloroform	4.799	83	1156887	117.042	ug/L		98
35) Ethyl acetate	4.917	43	524556	119.834	ug/L	#	95
36) Carbon tetrachloride	4.940	117	1107416	113.955	ug/L		97
37) Tetrahydrofuran	4.956	42	172579	94.880	ug/L		89
39) 1,1,1-Trichloroethane	5.002	97	1106156	119.083	ug/L		99
41) 2-Butanone	5.096	43	211935	96.057	ug/L	#	76
42) 1,1-Dichloropropene	5.127	75	899315	121.667	ug/L		96
44) Benzene	5.369	78	2766558	113.903	ug/L		95
45) tert-Amyl methyl ether	5.486	73	1897237	121.685	ug/L		95
47) 1,2-Dichloroethane	5.564	62	898297	114.256	ug/L		98
50) Methyl cyclohexane	5.948	83	1270874	124.174	ug/L	#	81
51) Trichloroethene	5.957	95	753752	111.917	ug/L		94
53) Dibromomethane	6.389	93	399280	118.506	ug/L		91
54) 1,2-Dichloropropane	6.493	63	741917	120.779	ug/L		95
56) 2-Chloroethyl vinyl ether	7.194	63	443831	121.187	ug/L		92
57) Bromodichloromethane	6.562	83	927252	121.164	ug/L		98
60) 1,4-Dioxane	6.778	88	29114	1066.329	ug/L	#	73
61) cis-1,3-Dichloropropene	7.254	75	1140907	123.380	ug/L		96
64) Toluene	7.527	92	1902886	121.996	ug/L		95
65) 4-Methyl-2-pentanone	7.964	58	217348	120.941	ug/L		95
66) Tetrachloroethene	7.971	166	924627	125.066	ug/L		99
68) trans-1,3-Dichloropropene	8.003	75	946390	119.634	ug/L		95
70) Ethyl methacrylate	8.206	69	709081	117.986	ug/L		96
71) 1,1,2-Trichloroethane	8.190	83	459875	119.208	ug/L		98
72) Chlorodibromomethane	8.393	129	829729	124.120	ug/L		98
73) 1,3-Dichloropropane	8.510	76	938918	118.754	ug/L		99
74) 1,2-Dibromoethane	8.666	107	621211	121.411	ug/L		99
76) 2-Hexanone	8.970	43	358098	107.616	ug/L		99
77) Chlorobenzene	9.321	112	2189228	120.449	ug/L	#	86
78) Ethylbenzene	9.368	91	3478641	119.496	ug/L		97
79) 1,1,1,2-Tetrachloroethane	9.407	131	799330	119.297	ug/L		97
80) p/m Xylene	9.563	106	2839888	234.384	ug/L		92
81) o Xylene	10.109	106	2762982	233.719	ug/L		94

Data Path : I:\VOLATILES\VOA122\2020\200617N\
Data File : V22200617N12.D
Acq On : 17 Jun 2020 07:45 pm
Operator : VOA122:PD
Sample : I8260STDL120.0PPB
Misc : WG1383235,ICAL
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 18 12:21:09 2020
Quant Method : I:\VOLATILES\VOA122\2020\200617N\V122_200617N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jun 18 12:19:29 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2020\200617N\V22200617N09.D
Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
82)	Styrene	10.172	104	4389184	230.117	ug/L	97
84)	Bromoform	10.187	173	438583	124.519	ug/L	100
86)	Isopropylbenzene	10.492	105	2027454	116.415	ug/L	95
88)	Bromobenzene	10.937	156	902489	123.674	ug/L	98
89)	n-Propylbenzene	10.999	91	3973228	122.589	ug/L	95
90)	1,4-Dichlorobutane	11.007	55	917547	116.703	ug/L	94
91)	1,1,2,2-Tetrachloroethane	11.077	83	616477	118.797	ug/L	99
92)	4-Ethyltoluene	11.132	105	3403362	120.116	ug/L	97
93)	2-Chlorotoluene	11.163	91	2548005	119.034	ug/L	94
94)	1,3,5-Trimethylbenzene	11.233	105	2819031	120.537	ug/L	96
95)	1,2,3-Trichloropropane	11.218	75	470743	118.769	ug/L	95
96)	trans-1,4-Dichloro-2-b...	11.280	53	181983	120.042	ug/L	90
97)	4-Chlorotoluene	11.350	91	2357097	120.466	ug/L	93
98)	tert-Butylbenzene	11.577	119	2608739	122.403	ug/L	95
101)	1,2,4-Trimethylbenzene	11.655	105	2823733	121.493	ug/L	97
102)	sec-Butylbenzene	11.772	105	3482833	121.528	ug/L	97
103)	p-Isopropyltoluene	11.926	119	3375543	117.948	ug/L	97
104)	1,3-Dichlorobenzene	11.988	146	1668016	118.455	ug/L	99
105)	1,4-Dichlorobenzene	12.079	146	1650922	118.857	ug/L	99
106)	p-Diethylbenzene	12.308	119	1839878	124.529	ug/L	97
107)	n-Butylbenzene	12.364	91	2323381	121.491	ug/L	97
108)	1,2-Dichlorobenzene	12.510	146	1514748	119.358	ug/L	98
109)	1,2,4,5-Tetramethylben...	13.109	119	2614079	125.149	ug/L	98
110)	1,2-Dibromo-3-chloropr...	13.290	155	122986	124.143	ug/L	100
111)	1,3,5-Trichlorobenzene	13.325	180	941508	125.240	ug/L	97
112)	Hexachlorobutadiene	13.909	225	290026	129.545	ug/L	99
113)	1,2,4-Trichlorobenzene	13.930	180	858296	123.396	ug/L	97
114)	Naphthalene	14.223	128	2408073	123.849	ug/L	100
115)	1,2,3-Trichlorobenzene	14.390	180	783250	123.691	ug/L	96

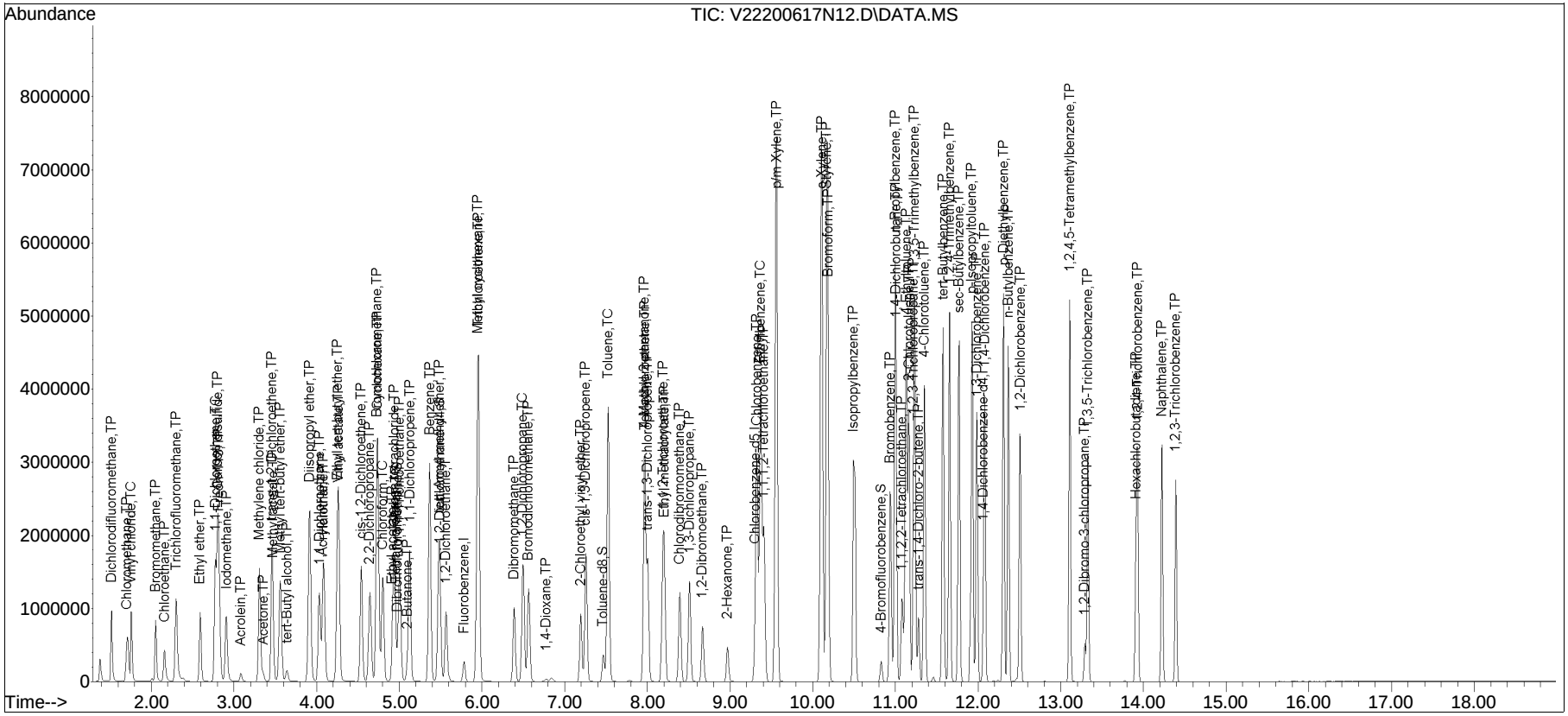
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2020\200617N\
Data File : V22200617N12.D
Acq On : 17 Jun 2020 07:45 pm
Operator : VOA122:PD
Sample : I8260STDL120.0PPB
Misc : WG1383235,ICAL
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 18 12:21:09 2020
Quant Method : I:\VOLATILES\VOA122\2020\200617N\V122_200617N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jun 18 12:19:29 2020
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox00617N\V22200617N09.D•



Manual Integration Report

Data Path	: I:\VOLATILES\VOA122\2020\2Q	Method	: V122_200617N_8260.m
Data File	: V22200617N12.D	Operator	: VOA122:PD
Date Inj'd	: 6/17/2020 7:45 pm	Instrument	: VOA122
Sample	: I8260STDL120.0PPB	Quant Date	: 6/18/2020 12:21 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2020\200617N\
Data File : V22200617N13.D
Acq On : 17 Jun 2020 08:10 pm
Operator : VOA122:PD
Sample : I8260STDL200.0PPB
Misc : WG1383235,ICAL
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 18 12:21:17 2020
Quant Method : I:\VOLATILES\VOA122\2020\200617N\V122_200617N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jun 18 12:19:29 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2020\200617N\V22200617N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.784	96	281633	10.000	ug/L	0.00
Standard Area 1 = 274244			Recovery = 102.69%			
62) Chlorobenzene-d5	9.306	117	229803	10.000	ug/L	0.00
Standard Area 1 = 229778			Recovery = 100.01%			
83) 1,4-Dichlorobenzene-d4	12.065	152	105085	10.000	ug/L	0.00
Standard Area 1 = 116288			Recovery = 90.37%			
System Monitoring Compounds						
38) Dibromofluoromethane	4.979	113	74745	9.491	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.91%			
46) 1,2-Dichloroethane-d4	5.502	65	70585	9.710	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.10%			
63) Toluene-d8	7.464	98	327478	10.377	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.77%			
87) 4-Bromofluorobenzene	10.827	95	106274	10.734	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 107.34%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.522	85	1153923	209.492	ug/L	98
3) Chloromethane	1.709	50	1401279	195.758	ug/L	98
4) Vinyl chloride	1.763	62	1235500	192.728	ug/L	98
5) Bromomethane	2.052	94	686779	222.639	ug/L	99
6) Chloroethane	2.154	64	603088	175.921	ug/L	98
7) Trichlorofluoromethane	2.302	101	1737528	194.305	ug/L	98
8) Ethyl ether	2.591	74	553091	193.897	ug/L #	1
10) 1,1-Dichloroethene	2.778	96	1029329	182.343	ug/L	93
11) Carbon disulfide	2.801	76	2534169	180.895	ug/L	99
12) Freon-113	2.817	101	1086873	190.331	ug/L	98
13) Iodomethane	2.911	142	1717026	198.732	ug/L	99
14) Acrolein	3.082	56	154145	178.694	ug/L	98
15) Methylene chloride	3.309	84	1138786	189.041	ug/L	83
17) Acetone	3.356	43	219294	117.000	ug/L	93
18) trans-1,2-Dichloroethene	3.457	96	1132283	182.889	ug/L	94
19) Methyl acetate	3.473	43	583679	147.424	ug/L #	88
21) Methyl tert-butyl ether	3.559	73	2440820	184.559	ug/L	92
22) tert-Butyl alcohol	3.644	59	363052	1075.801	ug/L	98
24) Diisopropyl ether	3.918	45	3810000	187.870	ug/L	93
25) 1,1-Dichloroethane	4.035	63	2068449	188.234	ug/L	97
26) Halothane	4.081	117	1062391	193.823	ug/L	99

Data Path : I:\VOLATILES\VOA122\2020\200617N\
Data File : V22200617N13.D
Acq On : 17 Jun 2020 08:10 pm
Operator : VOA122:PD
Sample : I8260STDL200.0PPB
Misc : WG1383235,ICAL
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 18 12:21:17 2020
Quant Method : I:\VOLATILES\VOA122\2020\200617N\V122_200617N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jun 18 12:19:29 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2020\200617N\V22200617N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	4.074	53	312298	192.017	ug/L		94
28) Ethyl tert-butyl ether	4.261	59	3483562	186.223	ug/L		96
29) Vinyl acetate	4.269	43	2180831	182.737	ug/L		95
30) cis-1,2-Dichloroethene	4.542	96	1226332	183.611	ug/L		93
31) 2,2-Dichloropropane	4.643	77	1431834	179.939	ug/L		95
32) Bromochloromethane	4.729	128	626420	178.087	ug/L		94
33) Cyclohexane	4.737	56	2247999	188.170	ug/L		81
34) Chloroform	4.799	83	1875156	185.436	ug/L		98
35) Ethyl acetate	4.916	43	876141	195.644	ug/L	#	95
36) Carbon tetrachloride	4.940	117	1816960	182.757	ug/L		97
37) Tetrahydrofuran	4.956	42	292149	156.999	ug/L		90
39) 1,1,1-Trichloroethane	5.002	97	1795440	188.933	ug/L		99
41) 2-Butanone	5.096	43	365728	162.027	ug/L	#	75
42) 1,1-Dichloropropene	5.127	75	1464437	193.658	ug/L		96
44) Benzene	5.369	78	4495089	180.900	ug/L		95
45) tert-Amyl methyl ether	5.486	73	3111992	195.100	ug/L		95
47) 1,2-Dichloroethane	5.564	62	1463726	181.980	ug/L		98
50) Methyl cyclohexane	5.948	83	2051755	195.956	ug/L	#	81
51) Trichloroethene	5.957	95	1221508	177.283	ug/L		95
53) Dibromomethane	6.389	93	659924	191.454	ug/L		92
54) 1,2-Dichloropropane	6.502	63	1221466	194.367	ug/L		95
56) 2-Chloroethyl vinyl ether	7.193	63	733969	195.894	ug/L		93
57) Bromodichloromethane	6.562	83	1535901	196.176	ug/L		99
60) 1,4-Dioxane	6.778	88	59275	2122.102	ug/L	#	76
61) cis-1,3-Dichloropropene	7.263	75	1994289	210.808	ug/L		95
64) Toluene	7.527	92	3094314	198.625	ug/L		95
65) 4-Methyl-2-pentanone	7.964	58	359941	200.532	ug/L		96
66) Tetrachloroethene	7.971	166	1499714	203.104	ug/L		99
68) trans-1,3-Dichloropropene	8.003	75	1533917	194.144	ug/L		95
70) Ethyl methacrylate	8.206	69	1155901	192.571	ug/L		96
71) 1,1,2-Trichloroethane	8.190	83	753777	195.634	ug/L		98
72) Chlorodibromomethane	8.393	129	1371409	205.403	ug/L		98
73) 1,3-Dichloropropane	8.510	76	1548910	196.148	ug/L		99
74) 1,2-Dibromoethane	8.666	107	1027328	201.032	ug/L		99
76) 2-Hexanone	8.970	43	607831	182.893	ug/L		98
77) Chlorobenzene	9.329	112	3554950	195.831	ug/L	#	86
78) Ethylbenzene	9.376	91	5556668	191.114	ug/L		96
79) 1,1,1,2-Tetrachloroethane	9.407	131	1300710	194.367	ug/L		96
80) p/m Xylene	9.563	106	4505781	372.335	ug/L		91
81) o Xylene	10.109	106	4379064	370.880	ug/L		91

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2020\200617N\
Data File : V22200617N13.D
Acq On : 17 Jun 2020 08:10 pm
Operator : VOA122:PD
Sample : I8260STDL200.0PPB
Misc : WG1383235,ICAL
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 18 12:21:17 2020
Quant Method : I:\VOLATILES\VOA122\2020\200617N\V122_200617N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jun 18 12:19:29 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2020\200617N\V22200617N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
82) Styrene	10.180	104	6814030	357.688	ug/L		97
84) Bromoform	10.187	173	705303	206.957	ug/L		98
86) Isopropylbenzene	10.515	105	3280893	194.702	ug/L		97
88) Bromobenzene	10.944	156	1443297	204.415	ug/L		99
89) n-Propylbenzene	10.999	91	6165962	196.621	ug/L		94
90) 1,4-Dichlorobutane	11.007	55	1463898	192.435	ug/L		95
91) 1,1,2,2-Tetrachloroethane	11.077	83	1000473	199.258	ug/L		99
92) 4-Ethyltoluene	11.132	105	5319578	194.040	ug/L		96
93) 2-Chlorotoluene	11.163	91	4049624	195.526	ug/L		93
94) 1,3,5-Trimethylbenzene	11.233	105	4416343	195.166	ug/L		96
95) 1,2,3-Trichloropropane	11.225	75	756526	197.271	ug/L		95
96) trans-1,4-Dichloro-2-b...	11.280	53	286995	195.658	ug/L		94
97) 4-Chlorotoluene	11.350	91	3739410	197.521	ug/L		93
98) tert-Butylbenzene	11.577	119	4127792	200.170	ug/L		95
101) 1,2,4-Trimethylbenzene	11.655	105	4454999	198.105	ug/L		97
102) sec-Butylbenzene	11.772	105	5422806	195.563	ug/L		97
103) p-Isopropyltoluene	11.932	119	5300746	191.428	ug/L		98
104) 1,3-Dichlorobenzene	11.988	146	2629005	192.959	ug/L		96
105) 1,4-Dichlorobenzene	12.079	146	2625514	195.359	ug/L		99
106) p-Diethylbenzene	12.308	119	2876944	201.250	ug/L		98
107) n-Butylbenzene	12.364	91	3636860	196.549	ug/L		96
108) 1,2-Dichlorobenzene	12.510	146	2394744	195.026	ug/L		98
109) 1,2,4,5-Tetramethylben...	13.109	119	4130598	204.383	ug/L		97
110) 1,2-Dibromo-3-chloropr...	13.290	155	204267	213.101	ug/L		99
111) 1,3,5-Trichlorobenzene	13.332	180	1507753	207.286	ug/L		97
112) Hexachlorobutadiene	13.909	225	473847	218.748	ug/L		99
113) 1,2,4-Trichlorobenzene	13.930	180	1391123	206.704	ug/L		95
114) Naphthalene	14.223	128	3915844	208.147	ug/L		100
115) 1,2,3-Trichlorobenzene	14.390	180	1261464	205.889	ug/L	#	96

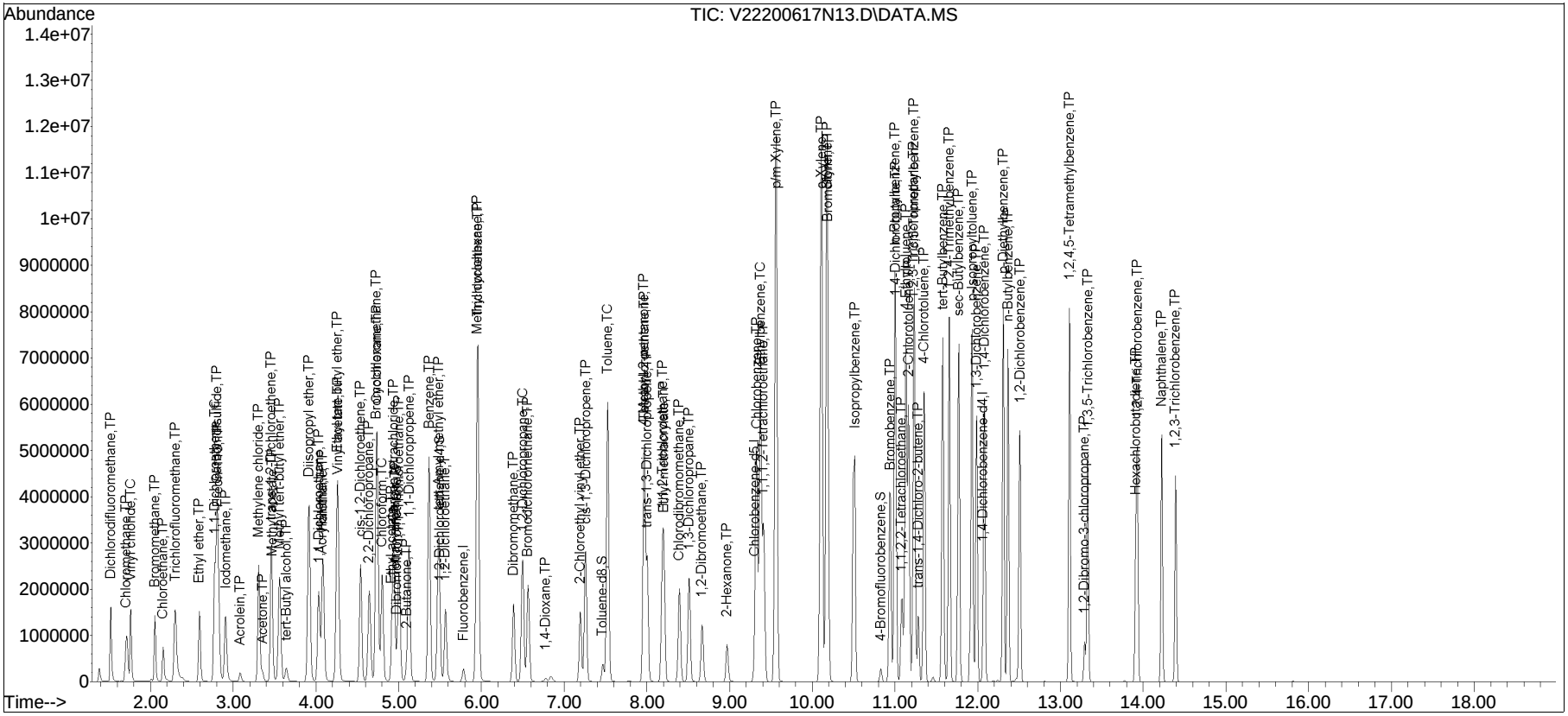
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2020\200617N\
Data File : V22200617N13.D
Acq On : 17 Jun 2020 08:10 pm
Operator : VOA122:PD
Sample : I8260STDL200.0PPB
Misc : WG1383235,ICAL
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 18 12:21:17 2020
Quant Method : I:\VOLATILES\VOA122\2020\200617N\V122_200617N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jun 18 12:19:29 2020
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox00617N\V22200617N09.D•



Manual Integration Report

Data Path	: I:\VOLATILES\VOA122\2020\2Q	Method	: V122_200617N_8260.m
Data File	: V22200617N13.D	Operator	: VOA122:PD
Date Inj'd	: 6/17/2020 8:10 pm	Instrument	: VOA122
Sample	: I8260STDL200.0PPB	Quant Date	: 6/18/2020 12:21 pm

There are no manual integrations or false positives in this file.

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA122\2020\200617N\
Data File : V22200617N20.D
Acq On : 17 Jun 2020 11:05 pm
Operator : VOA122:KJD
Sample : C8260STDL10PPB
Misc : WG1383235,ICAL
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 18 17:40:28 2020
Quant Method : I:\VOLATILES\VOA122\2020\200617N\V122_200617N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jun 18 17:40:25 2020
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	102	0.00
2	TP	Dichlorodifluoromethane	0.197	0.227	-15.2	120	0.00
3	TP	Chloromethane	0.253	0.300	-18.6	122	0.00
4	TC	Vinyl chloride	0.227	0.234	-3.1	114	0.00
5	TP	Bromomethane	0.111	0.133	-19.8	139	0.00
6	TP	Chloroethane	0.120	0.116	3.3	99	-0.02
7	TP	Trichlorofluoromethane	0.316	0.335	-6.0	109	0.00
8	TP	Ethyl ether	0.101	0.100	1.0	99	0.00
10	TC	1,1-Dichloroethene	0.198	0.205	-3.5	103	0.00
11	TP	Carbon disulfide	0.491	0.473	3.7	97	0.00
12	TP	Freon-113	0.201	0.201	0.0	98	0.00
13	TP	Iodomethane	0.307	0.285	7.2	86	0.00
14	TP	Acrolein	0.030	0.032#	-6.7	103	0.00
15	TP	Methylene chloride	0.212	0.223	-5.2	104	0.00
17	TP	Acetone	0.041	0.053#	-29.3#	136	0.00
18	TP	trans-1,2-Dichloroethene	0.217	0.230	-6.0	104	0.00
19	TP	Methyl acetate	0.116	0.146	-25.9#	119	0.00
21	TP	Methyl tert-butyl ether	0.464	0.466	-0.4	98	0.00
22	TP	tert-Butyl alcohol	0.012	0.015#	-25.0#	122	0.00
24	TP	Diisopropyl ether	0.714	0.718	-0.6	99	0.00
25	TP	1,1-Dichloroethane	0.387	0.413	-6.7	106	0.00
26	TP	Halothane	0.194	0.179	7.7	93	0.00
27	TP	Acrylonitrile	0.057	0.069	-21.1#	118	0.00
28	TP	Ethyl tert-butyl ether	0.658	0.641	2.6	96	0.00
29	TP	Vinyl acetate	0.419	0.452	-7.9	111	0.00
30	TP	cis-1,2-Dichloroethene	0.234	0.245	-4.7	103	0.00
31	TP	2,2-Dichloropropane	0.278	0.238	14.4	90	0.00
32	TP	Bromochloromethane	0.123	0.128	-4.1	101	0.00
33	TP	Cyclohexane	0.421	0.400	5.0	96	0.00
34	TC	Chloroform	0.355	0.374	-5.4	105	0.00
35	TP	Ethyl acetate	0.159	0.155	2.5	96	0.00
36	TP	Carbon tetrachloride	0.349	0.328	6.0	102	0.00
37	TP	Tetrahydrofuran	0.059	0.061	-3.4	103	0.00
38	S	Dibromofluoromethane	0.278	0.277	0.4	100	0.00
39	TP	1,1,1-Trichloroethane	0.335	0.342	-2.1	103	0.00
41	TP	2-Butanone	0.067	0.076#	-13.4	114	0.00
42	TP	1,1-Dichloropropene	0.267	0.275	-3.0	106	0.00
44	TP	Benzene	0.872	0.833	4.5	99	0.00
45	TP	tert-Amyl methyl ether	0.564	0.503	10.8	87	0.00

Data Path : I:\VOLATILES\VOA122\2020\200617N\
Data File : V22200617N20.D
Acq On : 17 Jun 2020 11:05 pm
Operator : VOA122:KJD
Sample : C8260STDL10PPB
Misc : WG1383235,ICAL
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 18 17:40:28 2020
Quant Method : I:\VOLATILES\VOA122\2020\200617N\V122_200617N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jun 18 17:40:25 2020
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
46	S	1,2-Dichloroethane-d4	0.257	0.255	0.8	103	0.00
47	T	1,2-Dichloroethane	0.282	0.298	-5.7	108	0.00
50	TP	Methyl cyclohexane	0.371	0.317	14.6	88	0.00
51	TP	Trichloroethene	0.241	0.231	4.1	104	0.00
53	TP	Dibromomethane	0.122	0.120	1.6	101	0.00
54	TC	1,2-Dichloropropane	0.222	0.226	-1.8	101	0.00
56	TP	2-Chloroethyl vinyl ether	0.133	0.143	-7.5	106	0.00
57	TP	Bromodichloromethane	0.277	0.284	-2.5	104	0.00
60	TP	1,4-Dioxane	0.00100	0.00105#	-5.0	99	0.00
61	TP	cis-1,3-Dichloropropene	0.338	0.310	8.3	93	0.00
62	I	Chlorobenzene-d5	1.000	1.000	0.0	99	0.00
63	S	Toluene-d8	1.380	1.391	-0.8	101	0.00
64	TC	Toluene	0.677	0.695	-2.7	101	0.00
65	TP	4-Methyl-2-pentanone	0.078	0.087#	-11.5	108	0.00
66	TP	Tetrachloroethene	0.322	0.329	-2.2	102	0.00
68	TP	trans-1,3-Dichloropropene	0.342	0.338	1.2	98	0.00
70	TP	Ethyl methacrylate	0.260	0.273	-5.0	104	0.00
71	TP	1,1,2-Trichloroethane	0.167	0.177	-6.0	105	0.00
72	TP	Chlorodibromomethane	0.292	0.287	1.7	97	0.00
73	TP	1,3-Dichloropropane	0.343	0.358	-4.4	104	0.00
74	TP	1,2-Dibromoethane	0.223	0.234	-4.9	104	0.00
76	TP	2-Hexanone	0.143	0.152	-6.3	111	0.00
77	TP	Chlorobenzene	0.788	0.817	-3.7	101	0.00
78	TC	Ethylbenzene	1.257	1.322	-5.2	103	0.00
79	TP	1,1,1,2-Tetrachloroethane	0.290	0.303	-4.5	101	0.00
80	TP	p/m Xylene	0.521	0.553	-6.1	101	0.00
81	TP	o Xylene	0.508	0.527	-3.7	100	0.00
82	TP	Styrene	0.816	0.870	-6.6	100	0.00
83	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
84	TP	Bromoform	0.326	0.323	0.9	99	0.00
86	TP	Isopropylbenzene	1.597	1.618	-1.3	100	0.00
87	S	4-Bromofluorobenzene	0.951	0.925	2.7	99	0.00
88	TP	Bromobenzene	0.674	0.675	-0.1	102	0.00
89	TP	n-Propylbenzene	2.977	2.980	-0.1	100	0.00
90	TP	1,4-Dichlorobutane	0.720	0.809	-12.4	116	0.00
91	TP	1,1,2,2-Tetrachloroethane	0.478	0.502	-5.0	105	0.00
92	TP	4-Ethyltoluene	2.598	2.592	0.2	98	0.00

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA122\2020\200617N\
Data File : V22200617N20.D
Acq On : 17 Jun 2020 11:05 pm
Operator : VOA122:KJD
Sample : C8260STDL10PPB
Misc : WG1383235,ICAL
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 18 17:40:28 2020
Quant Method : I:\VOLATILES\VOA122\2020\200617N\V122_200617N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jun 18 17:40:25 2020
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
93 TP	2-Chlorotoluene	1.965	1.988	-1.2	100	0.00
94 TP	1,3,5-Trimethylbenzene	2.146	2.160	-0.7	99	0.00
95 TP	1,2,3-Trichloropropane	0.364	0.381	-4.7	103	0.00
96 TP	trans-1,4-Dichloro-2-butene	0.139	0.147	-5.8	109	0.00
97 TP	4-Chlorotoluene	1.798	1.835	-2.1	102	0.00
98 TP	tert-Butylbenzene	1.963	1.972	-0.5	101	0.00
101 TP	1,2,4-Trimethylbenzene	2.137	2.211	-3.5	102	0.00
102 TP	sec-Butylbenzene	2.630	2.688	-2.2	101	0.00
103 TP	p-Isopropyltoluene	2.619	2.693	-2.8	100	0.00
104 TP	1,3-Dichlorobenzene	1.290	1.322	-2.5	101	0.00
105 TP	1,4-Dichlorobenzene	1.275	1.299	-1.9	101	0.00
106 TP	p-Diethylbenzene	1.362	1.244	8.7	90	0.00
107 TP	n-Butylbenzene	1.756	1.782	-1.5	101	0.00
108 TP	1,2-Dichlorobenzene	1.164	1.212	-4.1	103	0.00
109 TP	1,2,4,5-Tetramethylbenzene	1.929	1.816	5.9	94	0.00
110 TP	1,2-Dibromo-3-chloropropane	0.092	0.093	-1.1	104	0.00
111 TP	1,3,5-Trichlorobenzene	0.696	0.642	7.8	92	0.00
112 TP	Hexachlorobutadiene	0.209	0.194	7.2	96	0.00
113 TP	1,2,4-Trichlorobenzene	0.644	0.640	0.6	102	0.00
114 TP	Naphthalene	1.801	1.827	-1.4	104	0.00
115 TP	1,2,3-Trichlorobenzene	0.585	0.572	2.2	100	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 6 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2020\200617N\
Data File : V22200617N20.D
Acq On : 17 Jun 2020 11:05 pm
Operator : VOA122:KJD
Sample : C8260STDL10PPB
Misc : WG1383235,ICAL
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 18 17:40:28 2020
Quant Method : I:\VOLATILES\VOA122\2020\200617N\V122_200617N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jun 18 17:40:25 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2020\200617N\V22200617N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.784	96	278492	10.000	ug/L	0.00
Standard Area 1 = 274244			Recovery = 101.55%			
62) Chlorobenzene-d5	9.306	117	227899	10.000	ug/L	0.00
Standard Area 1 = 229778			Recovery = 99.18%			
83) 1,4-Dichlorobenzene-d4	12.065	152	116276	10.000	ug/L	0.00
Standard Area 1 = 116288			Recovery = 99.99%			
System Monitoring Compounds						
38) Dibromofluoromethane	4.971	113	77166	9.972	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.72%			
46) 1,2-Dichloroethane-d4	5.502	65	71080	9.924	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.24%			
63) Toluene-d8	7.464	98	317031	10.082	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.82%			
87) 4-Bromofluorobenzene	10.827	95	107601	9.732	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.32%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.522	85	63266	11.537	ug/L	99
3) Chloromethane	1.709	50	83583	11.844	ug/L	97
4) Vinyl chloride	1.756	62	65161	10.326	ug/L	99
5) Bromomethane	2.052	94	37051	11.953	ug/L	100
6) Chloroethane	2.154	64	32285	9.690	ug/L	97
7) Trichlorofluoromethane	2.294	101	93415	10.607	ug/L	99
8) Ethyl ether	2.591	74	27949	9.952	ug/L #	1
10) 1,1-Dichloroethene	2.770	96	56962	10.335	ug/L	92
11) Carbon disulfide	2.802	76	131808	9.647	ug/L	100
12) Freon-113	2.817	101	55844	9.958	ug/L	98
13) Iodomethane	2.903	142	79407	9.303	ug/L	100
14) Acrolein	3.082	56	8810	10.488	ug/L	98
15) Methylene chloride	3.309	84	61996	10.490	ug/L	80
17) Acetone	3.356	43	14709	12.918	ug/L	97
18) trans-1,2-Dichloroethene	3.457	96	63926	10.571	ug/L	93
19) Methyl acetate	3.473	43	40765	12.621	ug/L #	83
21) Methyl tert-butyl ether	3.559	73	129885	10.043	ug/L #	90
22) tert-Butyl alcohol	3.644	59	20876	61.888	ug/L	93
24) Diisopropyl ether	3.918	45	199982	10.059	ug/L	92
25) 1,1-Dichloroethane	4.035	63	115067	10.679	ug/L	97
26) Halothane	4.081	117	49778	9.225	ug/L	99

Data Path : I:\VOLATILES\VOA122\2020\200617N\
Data File : V22200617N20.D
Acq On : 17 Jun 2020 11:05 pm
Operator : VOA122:KJD
Sample : C8260STDL10PPB
Misc : WG1383235,ICAL
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 18 17:40:28 2020
Quant Method : I:\VOLATILES\VOA122\2020\200617N\V122_200617N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jun 18 17:40:25 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2020\200617N\V22200617N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	4.074	53	19263	12.046	ug/L		93
28) Ethyl tert-butyl ether	4.253	59	178500	9.746	ug/L		91
29) Vinyl acetate	4.269	43	125825	10.795	ug/L	#	93
30) cis-1,2-Dichloroethene	4.542	96	68296	10.463	ug/L		92
31) 2,2-Dichloropropane	4.643	77	66153	8.529	ug/L		91
32) Bromochloromethane	4.729	128	35553	10.384	ug/L	#	88
33) Cyclohexane	4.737	56	111407	9.511	ug/L		77
34) Chloroform	4.799	83	104042	10.514	ug/L		97
35) Ethyl acetate	4.924	43	43134	9.771	ug/L	#	95
36) Carbon tetrachloride	4.940	117	91451	9.404	ug/L		97
37) Tetrahydrofuran	4.956	42	17014	10.371	ug/L	#	85
39) 1,1,1-Trichloroethane	5.002	97	95133	10.204	ug/L		99
41) 2-Butanone	5.096	43	21301	11.439	ug/L	#	71
42) 1,1-Dichloropropene	5.127	75	76557	10.285	ug/L		97
44) Benzene	5.369	78	231877	9.551	ug/L		94
45) tert-Amyl methyl ether	5.478	73	139989	8.906	ug/L	#	91
47) 1,2-Dichloroethane	5.564	62	82956	10.566	ug/L		99
50) Methyl cyclohexane	5.948	83	88323	8.555	ug/L	#	77
51) Trichloroethene	5.957	95	64432	9.593	ug/L		92
53) Dibromomethane	6.389	93	33418	9.865	ug/L		90
54) 1,2-Dichloropropane	6.493	63	62817	10.149	ug/L		95
56) 2-Chloroethyl vinyl ether	7.194	63	39958	10.817	ug/L		92
57) Bromodichloromethane	6.562	83	78992	10.231	ug/L		99
60) 1,4-Dioxane	6.778	88	14686	527.106	ug/L	#	73
61) cis-1,3-Dichloropropene	7.254	75	86456	9.171	ug/L		93
64) Toluene	7.527	92	158279	10.255	ug/L		96
65) 4-Methyl-2-pentanone	7.964	58	19831	11.136	ug/L		86
66) Tetrachloroethene	7.971	166	75070	10.229	ug/L		99
68) trans-1,3-Dichloropropene	8.003	75	76924	9.859	ug/L		90
70) Ethyl methacrylate	8.206	69	62155	10.497	ug/L		97
71) 1,1,2-Trichloroethane	8.190	83	40353	10.594	ug/L		98
72) Chlorodibromomethane	8.393	129	65360	9.833	ug/L		99
73) 1,3-Dichloropropane	8.510	76	81600	10.449	ug/L		99
74) 1,2-Dibromoethane	8.666	107	53274	10.504	ug/L		100
76) 2-Hexanone	8.970	43	34547	10.611	ug/L		94
77) Chlorobenzene	9.321	112	186233	10.376	ug/L		94
78) Ethylbenzene	9.368	91	301324	10.517	ug/L		98
79) 1,1,1,2-Tetrachloroethane	9.407	131	68962	10.433	ug/L		97
80) p/m Xylene	9.555	106	252250	21.229	ug/L		93
81) o Xylene	10.102	106	240225	20.731	ug/L		93

Data Path : I:\VOLATILES\VOA122\2020\200617N\
Data File : V22200617N20.D
Acq On : 17 Jun 2020 11:05 pm
Operator : VOA122:KJD
Sample : C8260STDL10PPB
Misc : WG1383235,ICAL
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 18 17:40:28 2020
Quant Method : I:\VOLATILES\VOA122\2020\200617N\V122_200617N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jun 18 17:40:25 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2020\200617N\V22200617N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
82) Styrene	10.172	104	396566	21.313	ug/L		95
84) Bromoform	10.187	173	37597	9.921	ug/L		99
86) Isopropylbenzene	10.492	105	188117	10.128	ug/L		98
88) Bromobenzene	10.937	156	78469	10.012	ug/L		99
89) n-Propylbenzene	10.991	91	346511	10.010	ug/L		95
90) 1,4-Dichlorobutane	11.007	55	94068	11.236	ug/L		94
91) 1,1,2,2-Tetrachloroethane	11.077	83	58386	10.515	ug/L		99
92) 4-Ethyltoluene	11.124	105	301402	9.978	ug/L		98
93) 2-Chlorotoluene	11.155	91	231174	10.120	ug/L		93
94) 1,3,5-Trimethylbenzene	11.226	105	251111	10.064	ug/L		96
95) 1,2,3-Trichloropropane	11.218	75	44335	10.468	ug/L		94
96) trans-1,4-Dichloro-2-b...	11.280	53	17106	10.572	ug/L	#	83
97) 4-Chlorotoluene	11.350	91	213384	10.205	ug/L		95
98) tert-Butylbenzene	11.577	119	229251	10.046	ug/L		96
101) 1,2,4-Trimethylbenzene	11.655	105	257046	10.344	ug/L		97
102) sec-Butylbenzene	11.764	105	312525	10.218	ug/L		98
103) p-Isopropyltoluene	11.926	119	313139	10.283	ug/L		98
104) 1,3-Dichlorobenzene	11.981	146	153766	10.251	ug/L		99
105) 1,4-Dichlorobenzene	12.079	146	150986	10.187	ug/L		99
106) p-Diethylbenzene	12.308	119	144658	9.137	ug/L		98
107) n-Butylbenzene	12.364	91	207261	10.148	ug/L		98
108) 1,2-Dichlorobenzene	12.503	146	140911	10.408	ug/L		98
109) 1,2,4,5-Tetramethylben...	13.109	119	211124	9.412	ug/L		99
110) 1,2-Dibromo-3-chloropr...	13.290	155	10834	10.120	ug/L		98
111) 1,3,5-Trichlorobenzene	13.325	180	74612	9.222	ug/L		96
112) Hexachlorobutadiene	13.909	225	22589	9.300	ug/L		97
113) 1,2,4-Trichlorobenzene	13.930	180	74407	9.944	ug/L		96
114) Naphthalene	14.223	128	212397	10.144	ug/L		100
115) 1,2,3-Trichlorobenzene	14.390	180	66500	9.768	ug/L	#	97

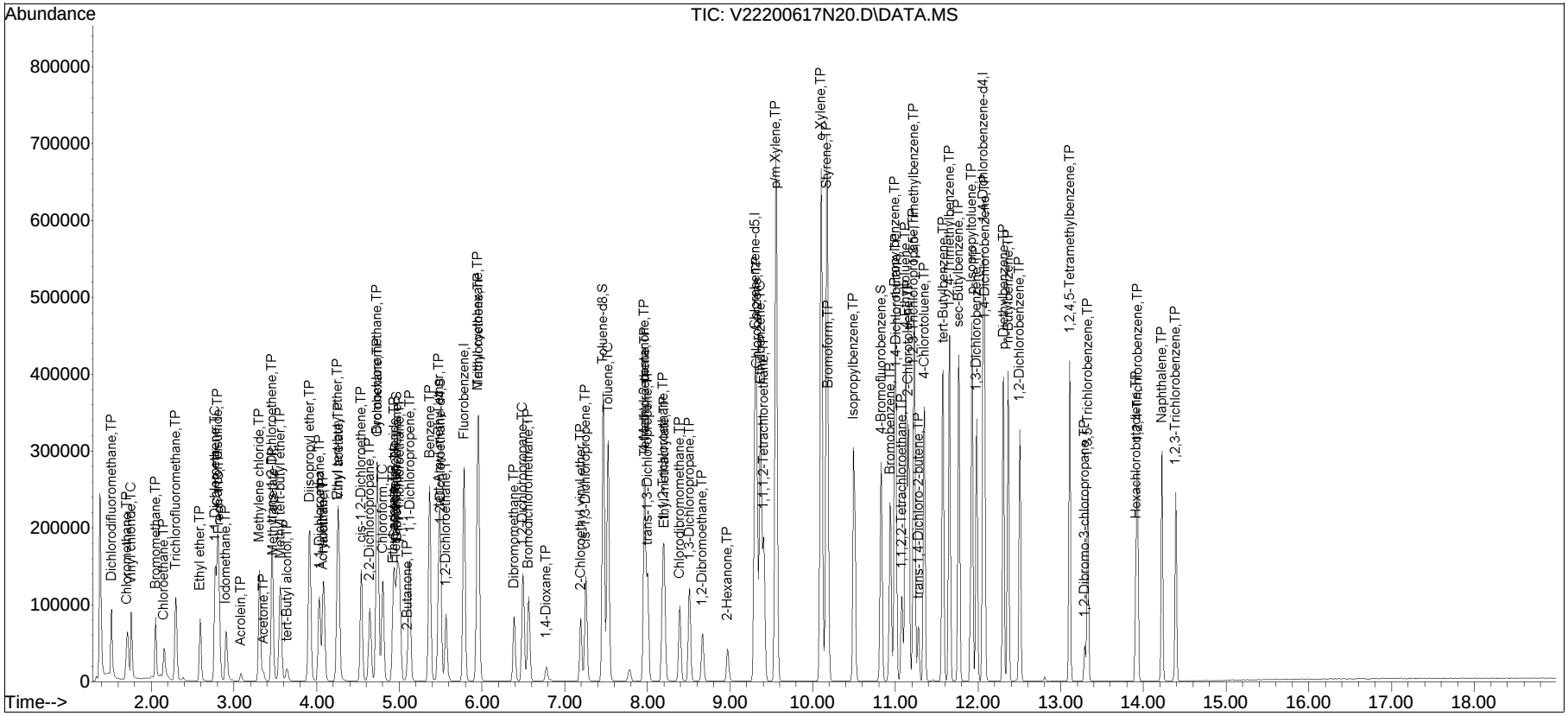
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2020\200617N\
Data File : V22200617N20.D
Acq On : 17 Jun 2020 11:05 pm
Operator : VOA122:KJD
Sample : C8260STDL10PPB
Misc : WG1383235,ICAL
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 18 17:40:28 2020
Quant Method : I:\VOLATILES\VOA122\2020\200617N\V122_200617N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jun 18 17:40:25 2020
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox00617N\V22200617N09.D•



Manual Integration Report

Data Path	: I:\VOLATILES\VOA122\2020\2Q	Method	: V122_200617N_8260.m
Data File	: V22200617N20.D	Operator	: VOA122:KJD
Date Inj'd	: 6/17/2020 11:05 pm	Instrument	: VOA122
Sample	: C8260STDL10PPB	Quant Date	: 6/18/2020 5:40 pm

There are no manual integrations or false positives in this file.

Response Factor Report VOA 108

Method Path : I:\VOLATILES\VOA108\2020\200623N\
Method File : V108_200623N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Wed Jun 24 10:26:22 2020
Response Via : Initial Calibration

Calibration Files
L11 =V08200623N04.D L1 =V08200623N06.D L2 =V08200623N08.D L3 =V08200623N09.D L4 =V08200623N10.D
L6 =V08200623N11.D L8 =V08200623N12.D L10 =V08200623N13.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1)	I	Fluorobenzene	----------	----------	ISTD	----------	----------	----------	----------	----------		
2)	TP	Dichlorodifluo...		0.174	0.263	0.256	0.256	0.266	0.270	0.255	0.249	13.40
3)	TP	Chloromethane		0.305	0.345	0.371	0.346	0.336	0.346	0.335	0.341	5.78
4)	TC	Vinyl chloride	0.244	0.217	0.323	0.326	0.327	0.327	0.342	0.326	0.304	15.20
5)	TP	Bromomethane		0.145	0.169	0.158	0.158	0.166	0.188	0.187	0.167	9.48
6)	TP	Chloroethane		0.142	0.186	0.181	0.165	0.143	0.154	0.147	0.160	11.31
7)	TP	Trichlorofluor...		0.252	0.373	0.364	0.378	0.383	0.395	0.340	0.355	13.73
8)	TP	Ethyl ether		0.108	0.138	0.134	0.127	0.129	0.136	0.136	0.130	8.08
10)	TC	1,1-Dichloroet...		0.188	0.230	0.229	0.232	0.242	0.245	0.239	0.229	8.43
11)	TP	Carbon disulfide		0.469	0.649	0.670	0.665	0.673	0.700	0.661	0.641	12.06
12)	TP	Freon-113		0.130	0.238	0.242	0.236	0.240	0.247	0.238	0.224	18.66
13)	TP	Iodomethane			0.273	0.314	0.335	0.356	0.374	0.342	0.332	10.68
14)	TP	Acrolein			0.043	0.041	0.041	0.043	0.043	0.044	0.042#	3.38
15)	TP	Methylene chlo...		0.328	0.325	0.269	0.264	0.266	0.274	0.260	0.284	10.48
17)	TP	Acetone			0.093	0.079	0.072	0.070	0.073	0.071	0.076#	11.40
18)	TP	trans-1,2-Dich...		0.220	0.292	0.262	0.266	0.266	0.277	0.264	0.264	8.36
19)	TP	Methyl acetate			0.247	0.210	0.192	0.197	0.203	0.197	0.208	9.72
20)	TP	Methyl tert-bu...		0.640	0.740	0.740	0.701	0.689	0.713	0.682	0.701	5.02
21)	TP	tert-Butyl alc...		0.034	0.035	0.033	0.031	0.029	0.030	0.029	0.032#	8.04
22)	TP	Diisopropyl ether		1.116	1.251	1.185	1.166	1.138	1.180	1.109	1.164	4.19
23)	TP	1,1-Dichloroet...		0.427	0.545	0.502	0.503	0.498	0.522	0.494	0.499	7.27
24)	TP	Halothane		0.163	0.214	0.205	0.213	0.208	0.224	0.210	0.205	9.58
25)	TP	Acrylonitrile		0.117	0.101	0.108	0.100	0.096	0.100	0.095	0.103	7.61
26)	TP	Ethyl tert-but...		0.938	1.072	1.013	1.003	0.986	1.027	0.973	1.002	4.25
27)	TP	Vinyl acetate			0.535	0.709	0.704	0.747	0.775	0.740	0.702	12.18
28)	TP	cis-1,2-Dichlo...		0.270	0.324	0.302	0.296	0.281	0.307	0.280	0.294	6.32
29)	TP	2,2-Dichloropr...		0.336	0.414	0.387	0.389	0.376	0.388	0.366	0.379	6.35
30)	TP	Bromochloromet...		0.110	0.140	0.143	0.143	0.139	0.144	0.133	0.136	9.04
31)	TP	Cyclohexane		0.406	0.537	0.538	0.554	0.551	0.568	0.535	0.527	10.37
32)	TC	Chloroform		0.556	0.537	0.495	0.470	0.464	0.486	0.463	0.496	7.45
33)	TP	Ethyl acetate		0.290	0.253	0.308	0.288	0.286	0.294	0.275	0.285	6.01

Response Factor Report VOA 108

Method Path : I:\VOLATILES\VOA108\2020\200623N\
Method File : V108_200623N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Wed Jun 24 10:26:22 2020
Response Via : Initial Calibration

Calibration Files
L11 =V08200623N04.D L1 =V08200623N06.D L2 =V08200623N08.D L3 =V08200623N09.D L4 =V08200623N10.D
L6 =V08200623N11.D L8 =V08200623N12.D L10 =V08200623N13.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
34)	TP	Carbon tetrach...	0.310	0.273	0.380	0.360	0.353	0.354	0.372	0.354	0.345	10.23
35)	TP	Tetrahydrofuran		0.079	0.090	0.074	0.077	0.078	0.074	0.079		7.82
36)	S	Dibromofluorom...	0.269	0.276	0.282	0.266	0.264	0.265	0.272	0.259	0.269	2.71
37)	TP	1,1,1-Trichlor...		0.382	0.439	0.453	0.446	0.436	0.456	0.431	0.435	5.76
39)	TP	2-Butanone		0.105	0.123	0.125	0.122	0.139	0.129	0.124		8.76
40)	TP	1,1-Dichloropr...		0.260	0.364	0.341	0.345	0.337	0.355	0.334	0.334	10.21
41)	TP	Benzene	1.037	0.879	1.125	1.025	1.032	1.018	1.065	1.011	1.024	6.74
42)	TP	tert-Amyl meth...		0.803	0.861	0.821	0.778	0.772	0.803	0.763	0.800	4.22
43)	S	1,2-Dichloroet...	0.296	0.309	0.324	0.284	0.288	0.284	0.291	0.285	0.295	4.89
44)	TP	1,2-Dichloroet...		0.350	0.395	0.396	0.381	0.371	0.390	0.369	0.379	4.39
47)	TP	Methyl cyclohe...		0.405	0.469	0.463	0.452	0.457	0.470	0.447	0.452	4.95
48)	TP	Trichloroethene	0.416	0.320	0.300	0.291	0.279	0.279	0.293	0.278	0.307	15.06
50)	TP	Dibromomethane		0.140	0.163	0.158	0.158	0.159	0.165	0.158	0.157	5.20
51)	TC	1,2-Dichloropr...		0.271	0.335	0.308	0.312	0.308	0.319	0.304	0.308	6.27
53)	TP	2-Chloroethyl ...		0.164	0.196	0.201	0.195	0.195	0.204	0.195	0.193	6.76
54)	TP	Bromodichlorom...		0.458	0.414	0.382	0.382	0.380	0.396	0.377	0.399	7.36
57)	TP	1,4-Dioxane		0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002#	7.67
58)	TP	cis-1,3-Dichlo...		0.402	0.476	0.443	0.444	0.444	0.462	0.440	0.444	5.17
59)	I	Chlorobenzene-d5	----------ISTD----------									
60)	S	Toluene-d8	1.310	1.311	1.289	1.286	1.300	1.268	1.289	1.300	1.294	1.10
61)	TC	Toluene		0.759	0.904	0.889	0.871	0.842	0.872	0.869	0.858	5.56
62)	TP	4-Methyl-2-pen...		0.179	0.167	0.155	0.149	0.141	0.143	0.141	0.154	9.58
63)	TP	Tetrachloroethene		0.262	0.385	0.378	0.366	0.361	0.375	0.371	0.357	11.92
65)	TP	trans-1,3-Dich...		0.462	0.491	0.510	0.510	0.500	0.514	0.512	0.500	3.70
67)	TP	Ethyl methacry...		0.489	0.462	0.428	0.420	0.405	0.415	0.408	0.432	7.25
68)	TP	1,1,2-Trichlor...		0.274	0.286	0.260	0.249	0.240	0.246	0.246	0.257	6.63
69)	TP	Chlorodibromom...		0.379	0.384	0.384	0.378	0.369	0.382	0.378	0.379	1.37
70)	TP	1,3-Dichloropr...		0.485	0.513	0.519	0.503	0.480	0.493	0.488	0.497	2.91
71)	TP	1,2-Dibromoethane		0.300	0.315	0.314	0.312	0.303	0.309	0.305	0.308	1.89
72)	TP	2-Hexanone		0.242	0.284	0.288	0.279	0.267	0.266	0.260	0.270	5.90
73)	TP	Chlorobenzene		0.900	1.033	1.005	0.978	0.940	0.963	0.942	0.966	4.57

Method Path : I:\VOLATILES\VOA108\2020\200623N\
Method File : V108_200623N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Wed Jun 24 10:26:22 2020
Response Via : Initial Calibration

Calibration Files
L11 =V08200623N04.D L1 =V08200623N06.D L2 =V08200623N08.D L3 =V08200623N09.D L4 =V08200623N10.D
L6 =V08200623N11.D L8 =V08200623N12.D L10 =V08200623N13.D

		Compound		L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
74)	TC	Ethylbenzene		1.322	1.689	1.666	1.636	1.568	1.592	1.546	1.574		7.78
75)	TP	1,1,1,2-Tetrac...		0.314	0.375	0.377	0.372	0.358	0.365	0.358	0.360		6.04
76)	TP	p/m Xylene		0.565	0.675	0.664	0.651	0.625	0.634	0.611	0.632		5.87
77)	TP	o Xylene		0.544	0.663	0.670	0.638	0.602	0.611	0.588	0.617		7.20
78)	TP	Styrene		0.933	1.091	1.083	1.052	0.996	1.008	0.956	1.017		6.00
79)	I	1,4-Dichlorobenzene-d4		ISTD									
80)	TP	Bromoform		0.404	0.438	0.438	0.428	0.438	0.437	0.434	0.431		2.86
82)	TP	Isopropylbenzene		2.841	3.501	3.472	3.396	3.409	3.369	3.206	3.313		6.90
83)	S	4-Bromofluorob...	1.056	1.042	1.028	1.043	1.051	1.080	1.056	1.060	1.052		1.45
84)	TP	Bromobenzene		0.701	0.838	0.827	0.813	0.818	0.818	0.807	0.803		5.73
85)	TP	n-Propylbenzene		3.290	4.054	3.964	3.912	3.861	3.828	3.622	3.790		6.81
86)	TP	1,4-Dichlorobu...		1.478	1.272	1.295	1.242	1.222	1.203	1.164	1.268		8.06
87)	TP	1,1,2,2-Tetrac...		1.012	0.831	0.793	0.756	0.748	0.746	0.739	0.804		12.13
88)	TP	4-Ethyltoluene		2.756	3.479	3.432	3.334	3.340	3.301	3.147	3.256		7.50
89)	TP	2-Chlorotoluene		2.408	2.801	2.741	2.676	2.636	2.626	2.528	2.631		5.00
90)	TP	1,3,5-Trimethy...		2.332	2.974	2.870	2.812	2.756	2.739	2.608	2.727		7.63
91)	TP	1,2,3-Trichlor...		0.664	0.616	0.595	0.577	0.569	0.553	0.562	0.591		6.53
92)	TP	trans-1,4-Dich...		0.285	0.309	0.271	0.268	0.239	0.249	0.245	0.267		9.26
93)	TP	4-Chlorotoluene		2.346	2.454	2.492	2.402	2.367	2.344	2.265	2.381		3.17
94)	TP	tert-Butylbenzene		2.645	3.094	3.063	2.997	2.941	2.897	2.792	2.918		5.42
95)	TP	Pentachloroethane		0.437	0.484	0.500	0.507	0.498	0.499	0.497	0.489		4.89
97)	TP	1,2,4-Trimethy...		2.644	2.894	2.844	2.789	2.737	2.707	2.596	2.744		3.87
98)	TP	sec-Butylbenzene		2.972	3.697	3.594	3.473	3.434	3.383	3.181	3.390		7.26
99)	TP	p-Isopropyltol...		2.651	3.381	3.280	3.201	3.131	3.096	2.955	3.099		7.74
100)	TP	1,3-Dichlorobe...		1.500	1.624	1.648	1.613	1.584	1.589	1.549	1.587		3.14
101)	TP	1,4-Dichlorobe...		1.526	1.666	1.653	1.633	1.607	1.584	1.571	1.606		3.07
102)	TP	p-Diethylbenzene		1.614	1.996	1.949	1.913	1.892	1.898	1.828	1.870		6.65
103)	TP	n-Butylbenzene		2.408	2.761	2.762	2.692	2.592	2.598	2.471	2.612		5.26
104)	TP	1,2-Dichlorobe...		1.382	1.602	1.558	1.497	1.484	1.495	1.470	1.498		4.64
105)	TP	1,2,4,5-Tetram...		2.828	3.044	3.093	3.053	3.075	3.103	2.997	3.027		3.13
106)	TP	1,2-Dibromo-3-...		0.113	0.110	0.123	0.118	0.124	0.127	0.129	0.121		5.90

Method Path : I:\VOLATILES\VOA108\2020\200623N\
Method File : V108_200623N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Wed Jun 24 10:26:22 2020
Response Via : Initial Calibration

Calibration Files
L11 =V08200623N04.D L1 =V08200623N06.D L2 =V08200623N08.D L3 =V08200623N09.D L4 =V08200623N10.D
L6 =V08200623N11.D L8 =V08200623N12.D L10 =V08200623N13.D

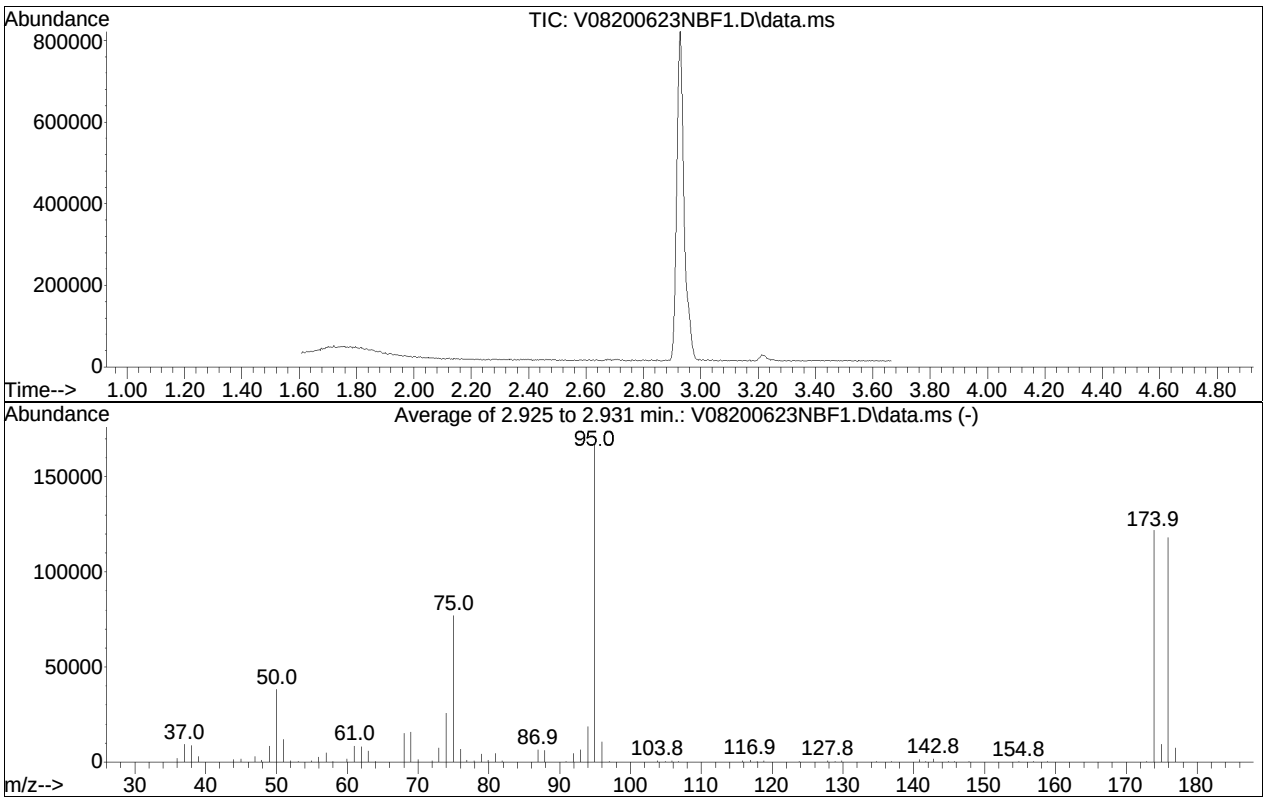
	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
107)	TP 1,3,5-Trichlor...	0.941	1.060	1.049	1.046	1.066	1.085	1.072	1.045		4.59
108)	TP Hexachlorobuta...	0.302	0.396	0.369	0.374	0.387	0.389	0.385	0.372		8.65
109)	TP 1,2,4-Trichlor...	0.892	0.924	0.952	0.946	0.984	1.000	0.992	0.956		4.13
110)	TP Naphthalene	2.471	2.392	2.443	2.444	2.535	2.514	2.488	2.470		1.95
111)	TP 1,2,3-Trichlor...	0.768	0.837	0.848	0.857	0.889	0.900	0.895	0.856		5.37

(#) = Out of Range

Data Path : I:\VOLATILES\VOA108\2020\200623N\
Data File : V08200623NBF1.D
Acq On : 23 Jun 2020 3:21 pm
Operator : VOA108:NLK
Sample : WG1385357-1
Misc : WG1385357
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\VOLATILES\VOA108\2020\200623N\V108_200623N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Wed Jun 24 10:26:22 2020



AutoFind: Scans 474, 475, 476; Background Corrected with Scan 456

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.9	38410	PASS
75	95	30	60	45.9	77117	PASS
95	95	100	100	100.0	168078	PASS
96	95	5	9	6.2	10496	PASS
173	174	0.00	2	0.4	467	PASS
174	95	50	100	72.5	121904	PASS
175	174	5	9	7.8	9535	PASS
176	174	95	101	97.0	118200	PASS
177	176	5	9	6.4	7574	PASS

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2020\200623N\
Data File : V08200623N04.D
Acq On : 23 Jun 2020 4:49 pm
Operator : VOA108:NLK
Sample : I8260STDL0.19PPB
Misc : WG1385357
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 24 10:08:22 2020
Quant Method : I:\VOLATILES\VOA108\2020\200623N\V108_200623N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jun 24 10:05:18 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2020\200623N\V08200623N09.D
Sub List : 8260-L11 - Level 11 for 8260-LRR product

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.400	96	220593	10.000	ug/L	0.00
Standard Area 1 = 214871			Recovery = 102.66%			
59) Chlorobenzene-d5	8.431	117	166429	10.000	ug/L	0.00
Standard Area 1 = 164408			Recovery = 101.23%			
79) 1,4-Dichlorobenzene-d4	9.923	152	79329	10.000	ug/L	0.00
Standard Area 1 = 79243			Recovery = 100.11%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.402	113	59265M1	10.104	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.04%			
43) 1,2-Dichloroethane-d4	5.051	65	65222	10.423	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.23%			
60) Toluene-d8	7.109	98	217957	10.187	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.87%			
83) 4-Bromofluorobenzene	9.254	95	83771	10.121	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.21%			
Target Compounds						Qvalue
4) Vinyl chloride	1.105	62	1023	0.142	ug/L #	46
34) Carbon tetrachloride	4.282	117	1301M1	0.164	ug/L	
41) Benzene	4.873	78	4348	0.192	ug/L #	66
48) Trichloroethene	5.601	95	1744M1	0.271	ug/L	

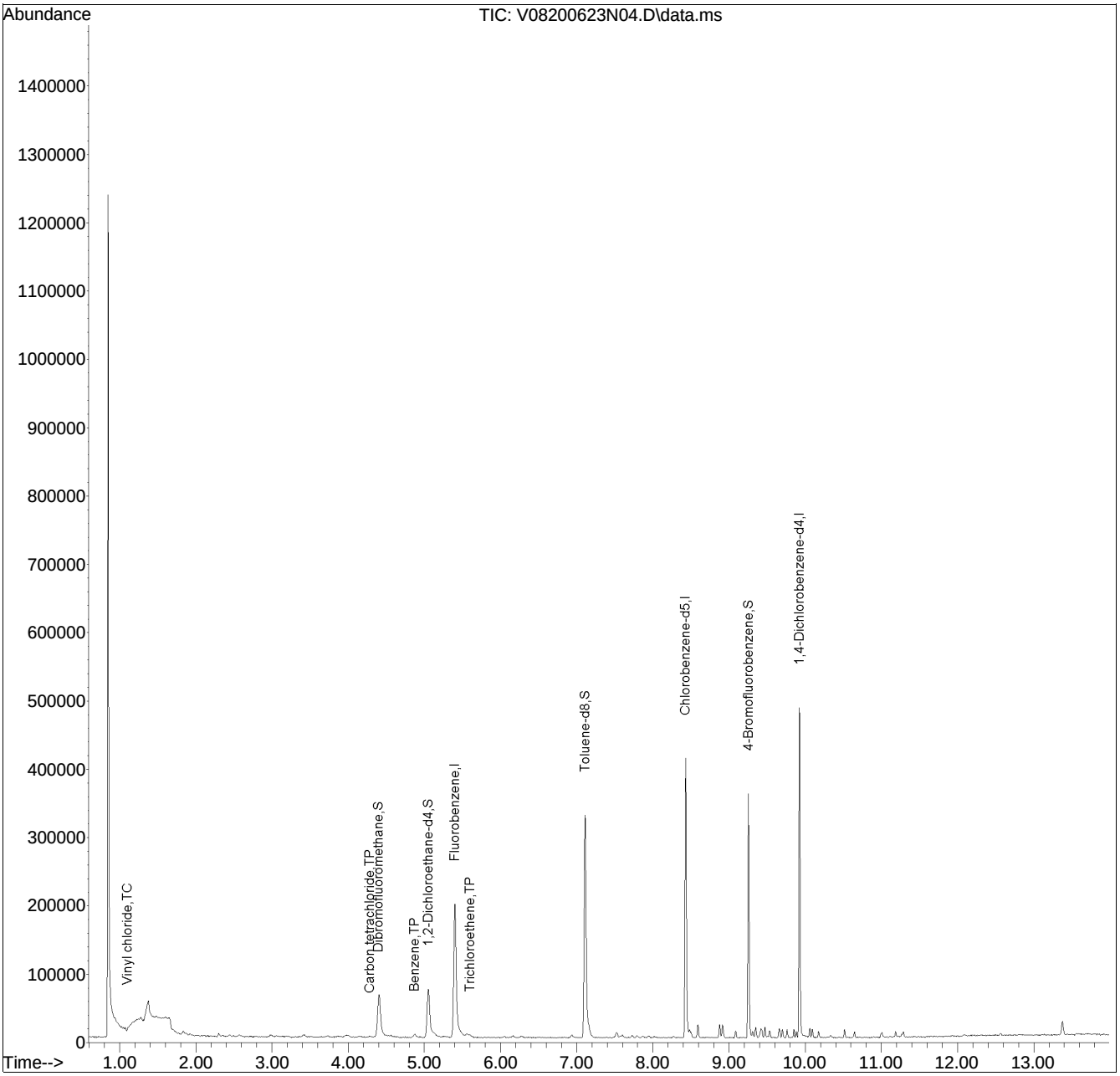
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2020\200623N\
Data File : V08200623N04.D
Acq On : 23 Jun 2020 4:49 pm
Operator : VOA108:NLK
Sample : I8260STDL0.19PPB
Misc : WG1385357
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 24 10:08:22 2020
Quant Method : I:\VOLATILES\VOA108\2020\200623N\V108_200623N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jun 24 10:05:18 2020
Response via : Initial Calibration

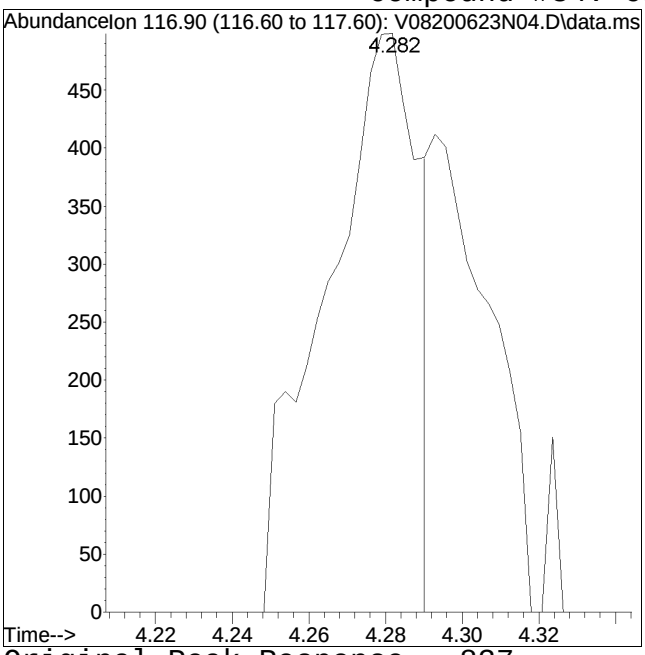
Sub List : 8260-L11 - Level 11 for 8260-LRR product200623N09.D•



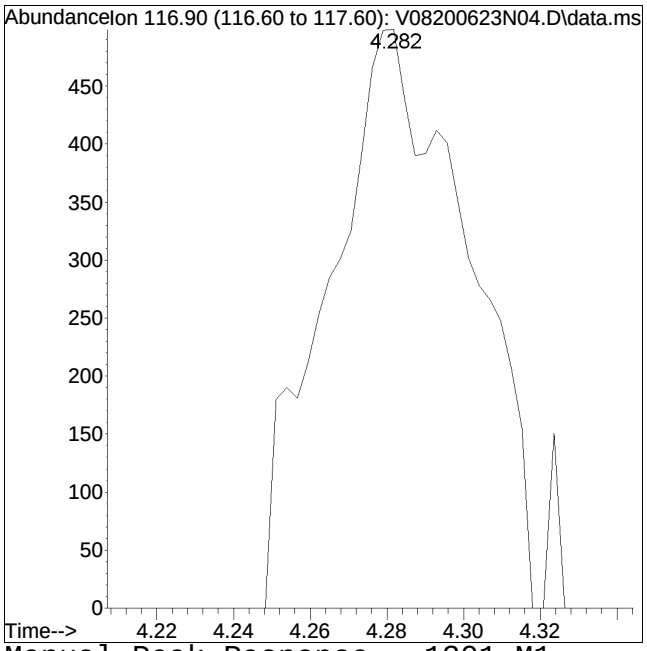
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200623N04.D Operator : VOA108:NLK
Date Inj'd : 6/23/2020 4:49 pm Instrument : VOA 108
Sample : I8260STDL0.19PPB Quant Date : 6/24/2020 10:05 am

Compound #34: Carbon tetrachloride



Original Peak Response = 837



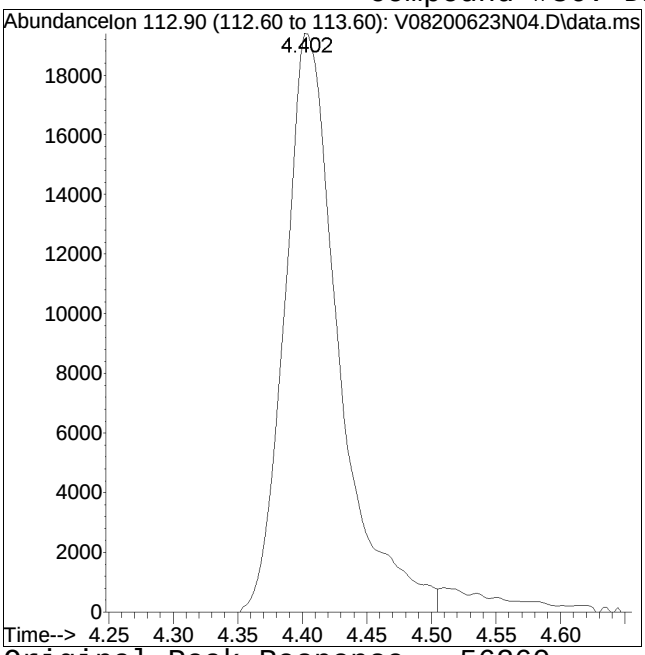
Manual Peak Response = 1301 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

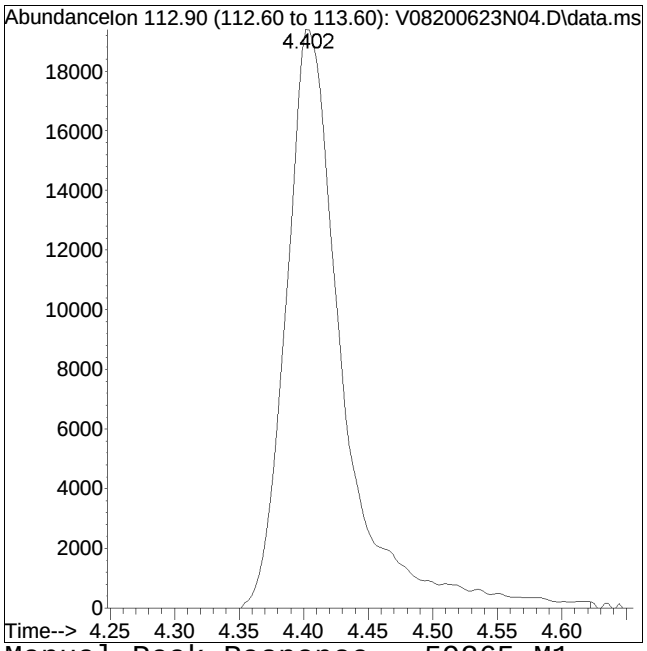
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200623N04.D Operator : VOA108:NLK
Date Inj'd : 6/23/2020 4:49 pm Instrument : VOA 108
Sample : I8260STDL0.19PPB Quant Date : 6/24/2020 10:05 am

Compound #36: Dibromofluoromethane



Original Peak Response = 56260



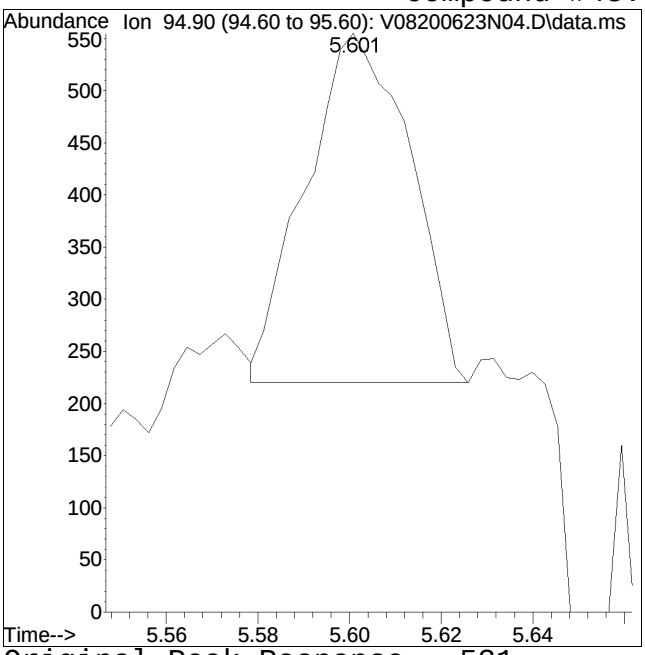
Manual Peak Response = 59265 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

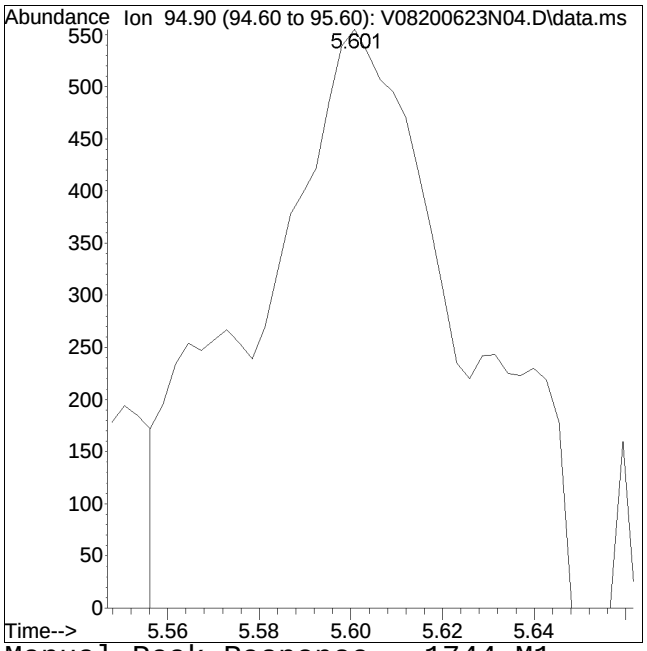
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200623N04.D Operator : VOA108:NLK
Date Inj'd : 6/23/2020 4:49 pm Instrument : VOA 108
Sample : I8260STDL0.19PPB Quant Date : 6/24/2020 10:05 am

Compound #48: Trichloroethene



Original Peak Response = 531



Manual Peak Response = 1744 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2020\200623N\
Data File : V08200623N06.D
Acq On : 23 Jun 2020 5:33 pm
Operator : VOA108:NLK
Sample : I8260STDL0.5PPB
Misc : WG1385357
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 24 10:13:08 2020
Quant Method : I:\VOLATILES\VOA108\2020\200623N\V108_200623N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jun 24 10:05:18 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2020\200623N\V08200623N09.D
Sub List : 8260-CurvePenta - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.400	96	212666	10.000	ug/L	0.00
Standard Area 1 = 214871			Recovery = 98.97%			
59) Chlorobenzene-d5	8.431	117	159440	10.000	ug/L	0.00
Standard Area 1 = 164408			Recovery = 96.98%			
79) 1,4-Dichlorobenzene-d4	9.926	152	76293	10.000	ug/L	0.00
Standard Area 1 = 79243			Recovery = 96.28%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.404	113	58638M1	10.370	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.70%			
43) 1,2-Dichloroethane-d4	5.051	65	65659	10.884	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 108.84%			
60) Toluene-d8	7.109	98	209036	10.198	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.98%			
83) 4-Bromofluorobenzene	9.254	95	79483	9.986	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.86%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.938	85	1852	0.340	ug/L #	49
3) Chloromethane	1.052	50	3245	0.411	ug/L #	92
4) Vinyl chloride	1.105	62	2309	0.333	ug/L	99
5) Bromomethane	1.303	94	1537	0.458	ug/L #	73
6) Chloroethane	1.382	64	1513	0.392	ug/L #	35
7) Trichlorofluoromethane	1.482	101	2676	0.346	ug/L	92
8) Ethyl ether	1.708	74	1146	0.401	ug/L #	92
10) 1,1-Dichloroethene	1.833	96	1997	0.410	ug/L #	54
11) Carbon disulfide	1.839	76	4990M1	0.350	ug/L	
12) Freon-113	1.872	101	1380	0.268	ug/L	88
13) Iodomethane	1.931	142	1822	0.273	ug/L #	80
14) Acrolein	0.000		0	N.D.		
15) Methylene chloride	2.305	84	3487M1	0.610	ug/L	
17) Acetone	2.363	43	1367	0.817	ug/L #	44
18) trans-1,2-Dichloroethene	2.444	96	2340	0.419	ug/L	68
19) Methyl acetate	2.489	43	3361	0.753	ug/L #	65
20) Methyl tert-butyl ether	2.572	73	6805	0.432	ug/L #	71
21) tert-Butyl alcohol	2.717	59	1820	2.561	ug/L #	78
22) Diisopropyl ether	2.982	45	11870M1	0.471	ug/L	
23) 1,1-Dichloroethane	3.063	63	4539M1	0.425	ug/L	

Data Path : I:\VOLATILES\VOA108\2020\200623N\
Data File : V08200623N06.D
Acq On : 23 Jun 2020 5:33 pm
Operator : VOA108:NLK
Sample : I8260STDL0.5PPB
Misc : WG1385357
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 24 10:13:08 2020
Quant Method : I:\VOLATILES\VOA108\2020\200623N\V108_200623N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jun 24 10:05:18 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2020\200623N\V08200623N09.D
Sub List : 8260-CurvePenta - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
24) Halothane	3.197	117	1731M1	0.398	ug/L		
25) Acrylonitrile	3.130	53	1247	0.543	ug/L	#	70
26) Ethyl tert-butyl ether	3.414	59	9974M1	0.463	ug/L		
27) Vinyl acetate	3.423	43	4076	0.270	ug/L	#	81
28) cis-1,2-Dichloroethene	3.721	96	2870M1	0.447	ug/L		
29) 2,2-Dichloropropane	3.869	77	3573M1	0.434	ug/L		
30) Bromochloromethane	3.997	128	1165	0.382	ug/L	#	70
31) Cyclohexane	3.967	56	4316M1	0.377	ug/L		
32) Chloroform	4.165	83	5911M1	0.562	ug/L		
33) Ethyl acetate	4.413	43	3086	0.472	ug/L	#	90
34) Carbon tetrachloride	4.273	117	2908M1	0.379	ug/L		
35) Tetrahydrofuran	0.000		0	N.D.	d		
37) 1,1,1-Trichloroethane	4.371	97	4059	0.421	ug/L	#	57
39) 2-Butanone	0.000		0	N.D.	d		
40) 1,1-Dichloropropene	4.561	75	2766	0.382	ug/L	#	65
41) Benzene	4.870	78	9347M1	0.429	ug/L		
42) tert-Amyl methyl ether	5.110	73	8534M1	0.489	ug/L		
44) 1,2-Dichloroethane	5.129	62	3725	0.442	ug/L	#	73
47) Methyl cyclohexane	5.556	83	4305M1	0.437	ug/L		
48) Trichloroethene	5.601	95	3406M1	0.550	ug/L		
50) Dibromomethane	6.052	93	1484	0.442	ug/L	#	86
51) 1,2-Dichloropropane	6.158	63	2886	0.440	ug/L	#	85
53) 2-Chloroethyl vinyl ether	6.931	63	1747	0.410	ug/L	#	88
54) Bromodichloromethane	6.270	83	4873M1	0.599	ug/L		
57) 1,4-Dioxane	6.501	88	4695M1	103.272	ug/L		
58) cis-1,3-Dichloropropene	6.934	75	4271	0.454	ug/L	#	94
61) Toluene	7.160	92	6051	0.427	ug/L		97
62) 4-Methyl-2-pentanone	7.578	58	1429	0.577	ug/L	#	88
63) Tetrachloroethene	7.525	166	2089	0.346	ug/L		93
65) trans-1,3-Dichloropropene	7.600	75	3682	0.453	ug/L		94
67) Ethyl methacrylate	7.790	69	3896	0.571	ug/L	#	77
68) 1,1,2-Trichloroethane	7.728	83	2181	0.526	ug/L	#	80
69) Chlorodibromomethane	7.868	129	3022	0.493	ug/L		93
70) 1,3-Dichloropropane	7.943	76	3870	0.468	ug/L		92
71) 1,2-Dibromoethane	8.024	107	2389	0.477	ug/L		100
72) 2-Hexanone	8.275	43	1931	0.420	ug/L	#	73
73) Chlorobenzene	8.442	112	7177	0.448	ug/L		93
74) Ethylbenzene	8.481	91	10542	0.397	ug/L		94
75) 1,1,1,2-Tetrachloroethane	8.501	131	2502	0.416	ug/L		91
76) p/m Xylene	8.590	106	9009	0.851	ug/L		93

Data Path : I:\VOLATILES\VOA108\2020\200623N\
Data File : V08200623N06.D
Acq On : 23 Jun 2020 5:33 pm
Operator : VOA108:NLK
Sample : I8260STDL0.5PPB
Misc : WG1385357
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 24 10:13:08 2020
Quant Method : I:\VOLATILES\VOA108\2020\200623N\V108_200623N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jun 24 10:05:18 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2020\200623N\V08200623N09.D
Sub List : 8260-CurvePenta - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
77) o Xylene	8.877	106	8671	0.811	ug/L		93
78) Styrene	8.914	104	14882	0.862	ug/L		87
80) Bromoform	8.919	173	1542	0.462	ug/L		92
82) Isopropylbenzene	9.087	105	10838	0.409	ug/L		94
84) Bromobenzene	9.310	156	2675	0.424	ug/L		94
85) n-Propylbenzene	9.346	91	12549	0.415	ug/L		94
86) 1,4-Dichlorobutane	9.354	55	5638	0.571	ug/L		98
87) 1,1,2,2-Tetrachloroethane	9.402	83	3860M1	0.638	ug/L		
88) 4-Ethyltoluene	9.416	105	10513	0.402	ug/L		93
89) 2-Chlorotoluene	9.430	91	9184	0.439	ug/L		95
90) 1,3,5-Trimethylbenzene	9.471	105	8897	0.406	ug/L	#	83
91) 1,2,3-Trichloropropane	9.469	75	2532	0.558	ug/L		98
92) trans-1,4-Dichloro-2-b...	9.508	53	1088M1	0.527	ug/L		
93) 4-Chlorotoluene	9.533	91	8948M3	0.471	ug/L		
94) tert-Butylbenzene	9.658	119	10088	0.432	ug/L		89
95) Pentachloroethane	9.667	167	1667	0.437	ug/L		86
97) 1,2,4-Trimethylbenzene	9.700	105	10087	0.465	ug/L		95
98) sec-Butylbenzene	9.761	105	11336	0.413	ug/L		99
99) p-Isopropyltoluene	9.851	119	10113	0.404	ug/L		99
100) 1,3-Dichlorobenzene	9.881	146	5722	0.455	ug/L		96
101) 1,4-Dichlorobenzene	9.934	146	5822	0.462	ug/L	#	84
102) p-Diethylbenzene	10.060	119	6155M1	0.414	ug/L		
103) n-Butylbenzene	10.093	91	9186M1	0.436	ug/L		
104) 1,2-Dichlorobenzene	10.174	146	5271	0.443	ug/L		99
105) 1,2,4,5-Tetramethylben...	10.517	119	10788	0.457	ug/L		96
106) 1,2-Dibromo-3-chloropr...	10.631	155	431M1	0.461	ug/L		
107) 1,3,5-Trichlorobenzene	10.648	180	3589	0.449	ug/L		94
108) Hexachlorobutadiene	10.991	225	1151	0.409	ug/L	#	87
109) 1,2,4-Trichlorobenzene	11.008	180	3401	0.468	ug/L		93
110) Naphthalene	11.186	128	9427	0.506	ug/L		100
111) 1,2,3-Trichlorobenzene	11.290	180	2929	0.453	ug/L		90

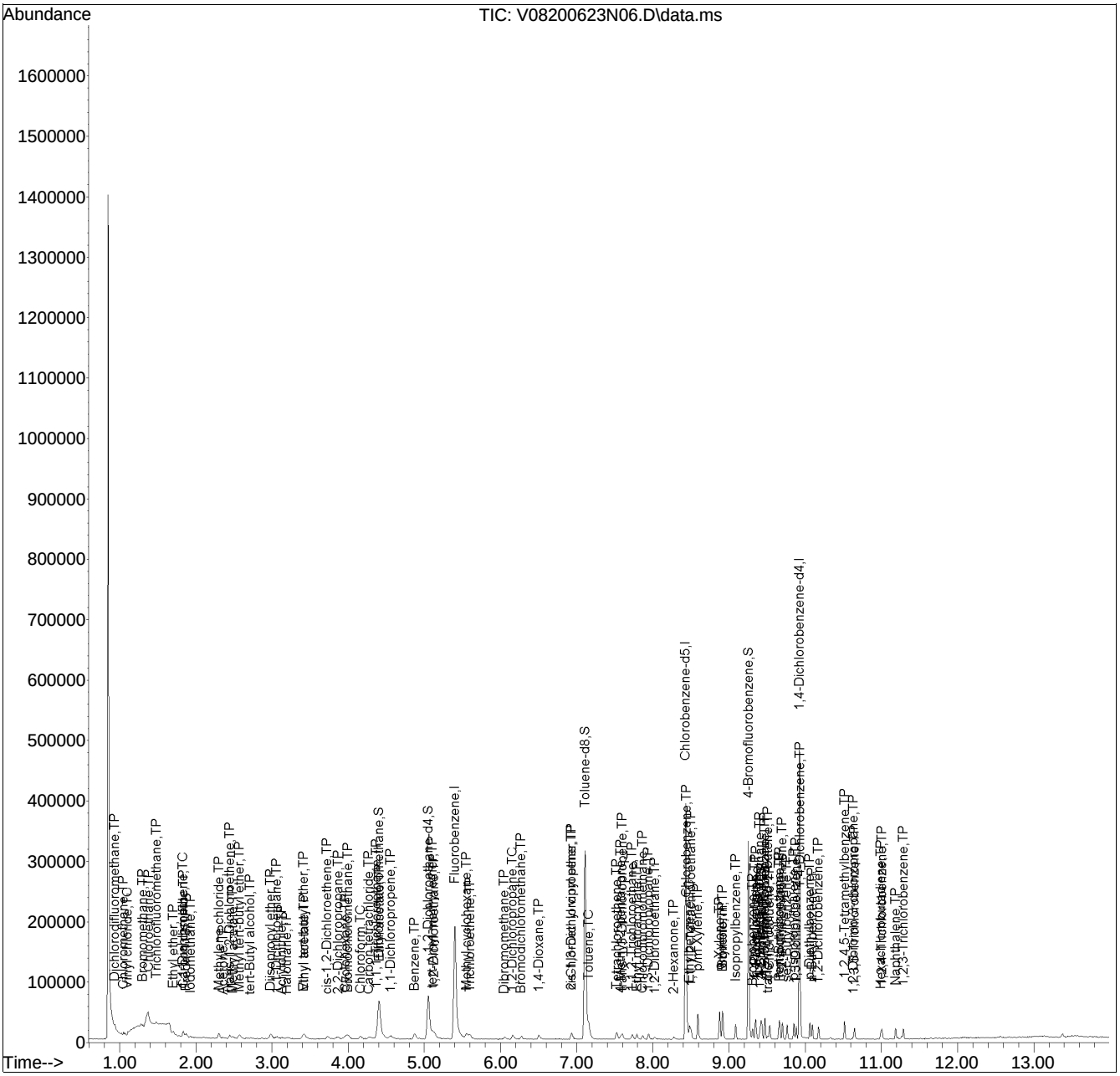
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2020\200623N\
Data File : V08200623N06.D
Acq On : 23 Jun 2020 5:33 pm
Operator : VOA108:NLK
Sample : I8260STDL0.5PPB
Misc : WG1385357
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 24 10:13:08 2020
Quant Method : I:\VOLATILES\VOA108\2020\200623N\V108_200623N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jun 24 10:05:18 2020
Response via : Initial Calibration

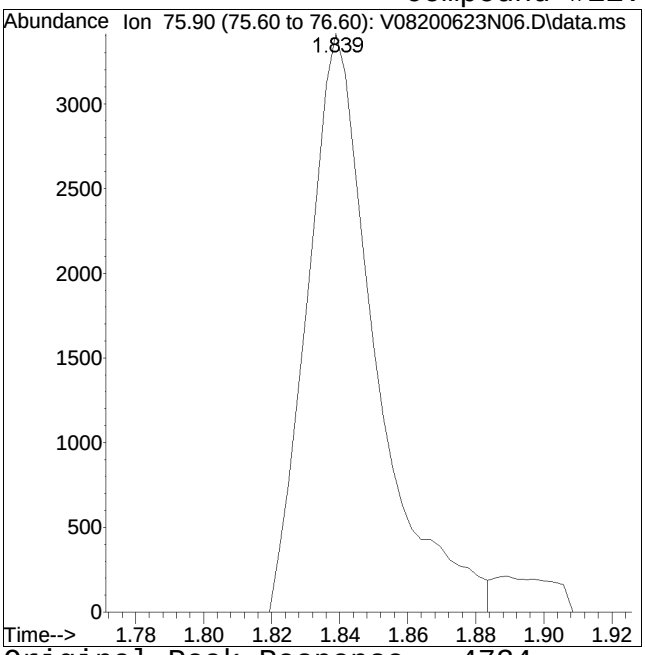
Sub List : 8260-CurvePenta - All compounds listed08200623N09.D•



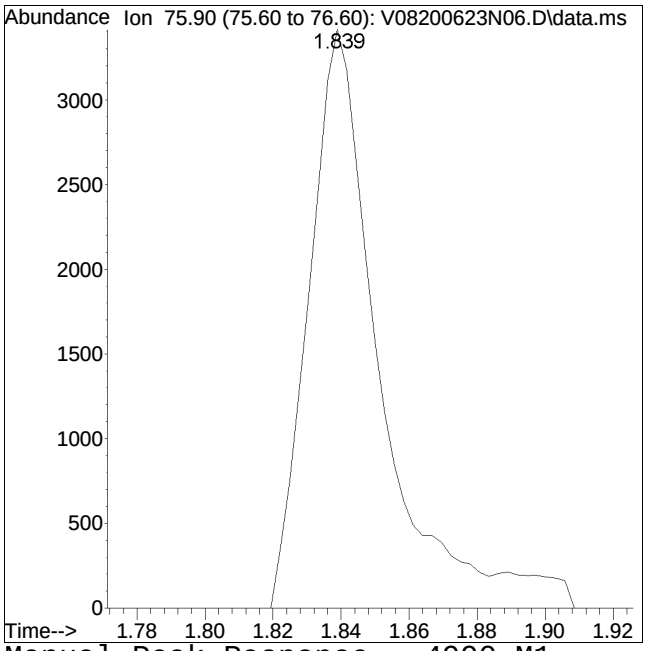
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200623N06.D Operator : VOA108:NLK
Date Inj'd : 6/23/2020 5:33 pm Instrument : VOA 108
Sample : I8260STDL0.5PPB Quant Date : 6/24/2020 10:06 am

Compound #11: Carbon disulfide



Original Peak Response = 4734



Manual Peak Response = 4990 M1

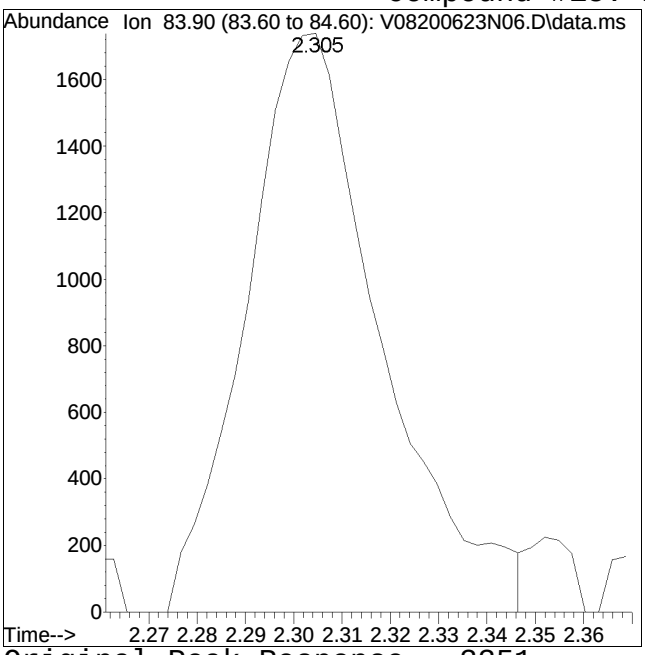
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

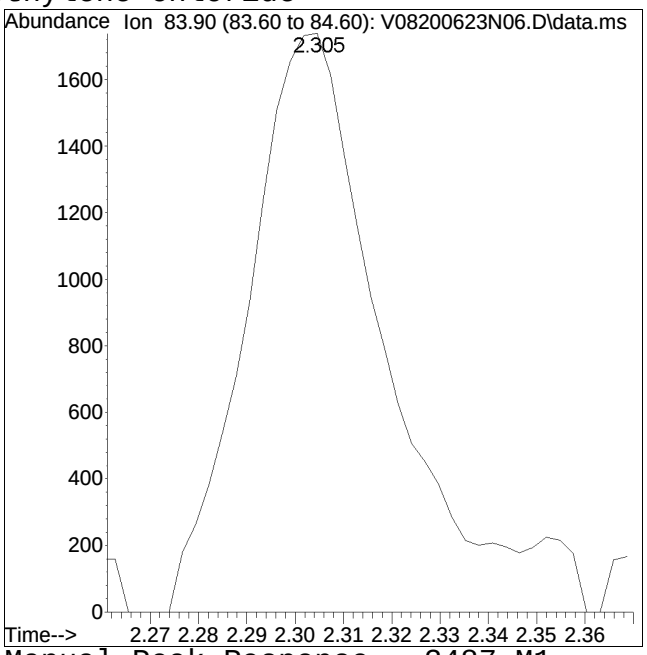
Data Path : I:\VOLATILES\VOA108\2020\2Q
Data File : V08200623N06.D
Date Inj'd : 6/23/2020 5:33 pm
Sample : I8260STDL0.5PPB

Method : V108_200623N_8260.m
Operator : VOA108:NLK
Instrument : VOA 108
Quant Date : 6/24/2020 10:06 am

Compound #15: Methylene chloride



Original Peak Response = 3351



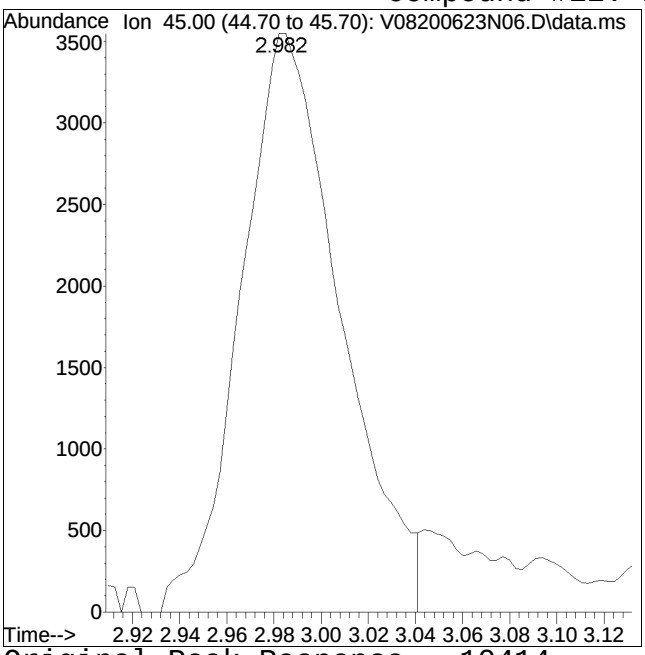
Manual Peak Response = 3487 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

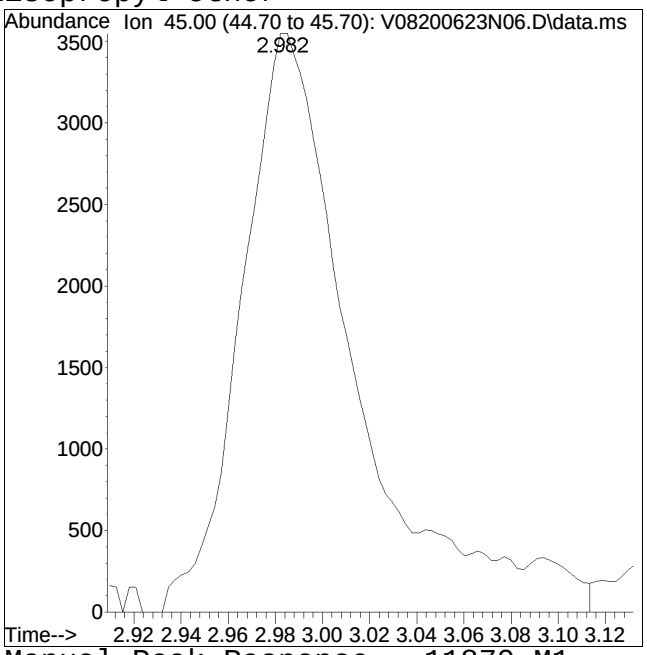
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200623N06.D Operator : VOA108:NLK
Date Inj'd : 6/23/2020 5:33 pm Instrument : VOA 108
Sample : I8260STDL0.5PPB Quant Date : 6/24/2020 10:06 am

Compound #22: Diisopropyl ether



Original Peak Response = 10414



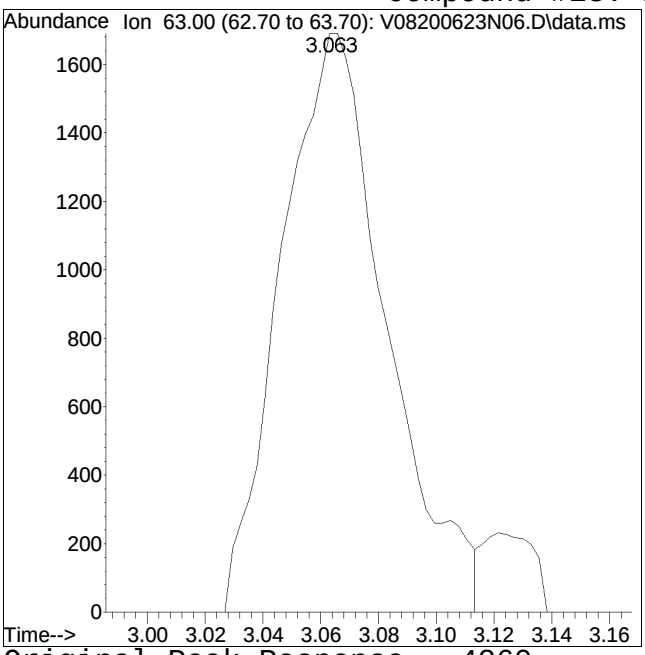
Manual Peak Response = 11870 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

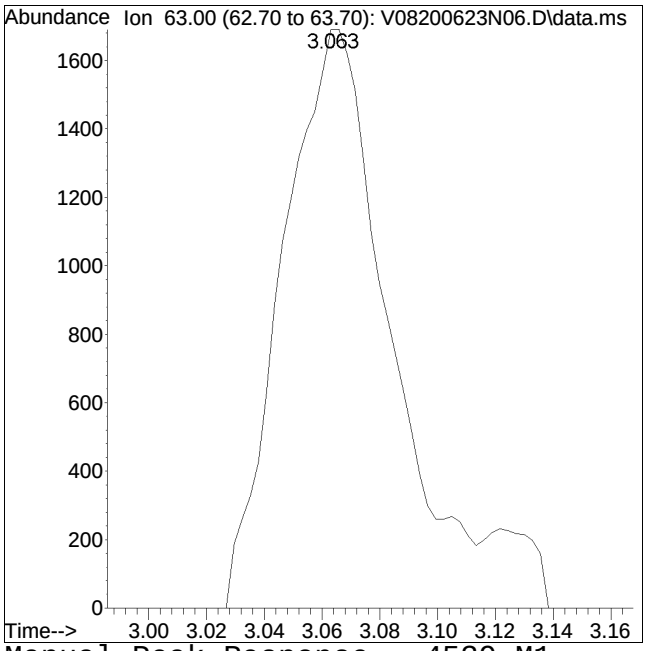
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200623N06.D Operator : VOA108:NLK
Date Inj'd : 6/23/2020 5:33 pm Instrument : VOA 108
Sample : I8260STDL0.5PPB Quant Date : 6/24/2020 10:06 am

Compound #23: 1,1-Dichloroethane



Original Peak Response = 4260



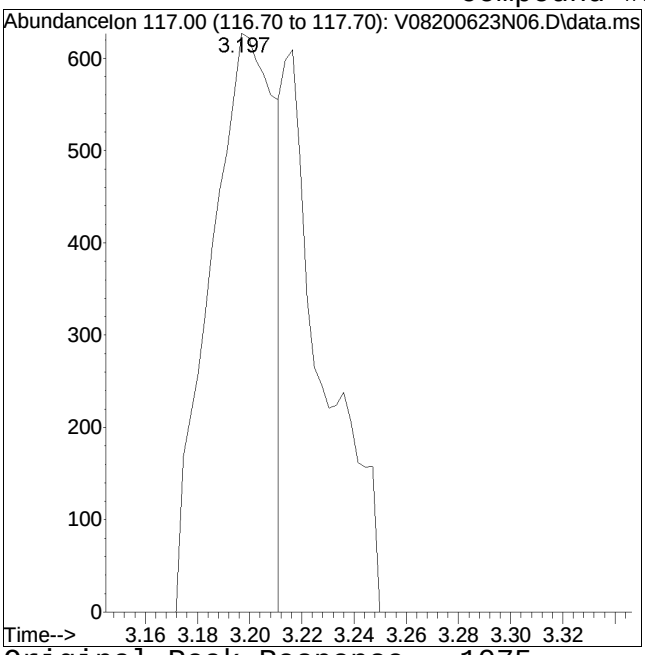
Manual Peak Response = 4539 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

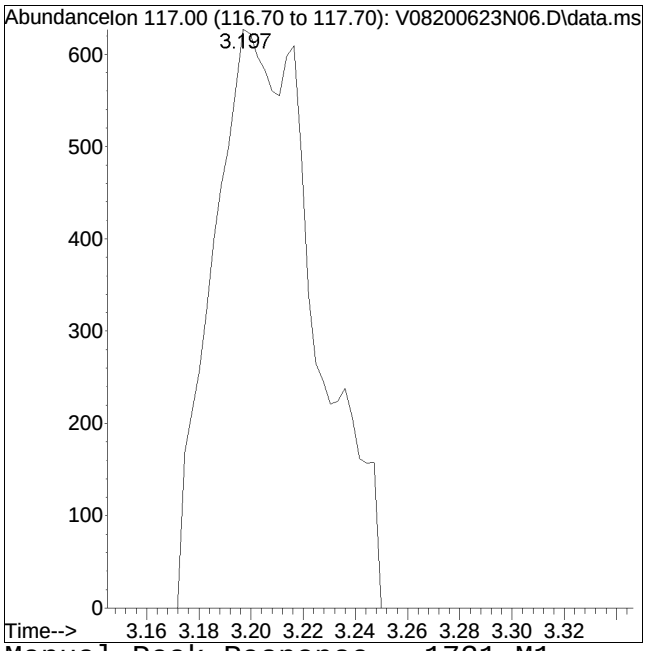
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200623N06.D Operator : VOA108:NLK
Date Inj'd : 6/23/2020 5:33 pm Instrument : VOA 108
Sample : I8260STDL0.5PPB Quant Date : 6/24/2020 10:06 am

Compound #24: Halothane



Original Peak Response = 1075



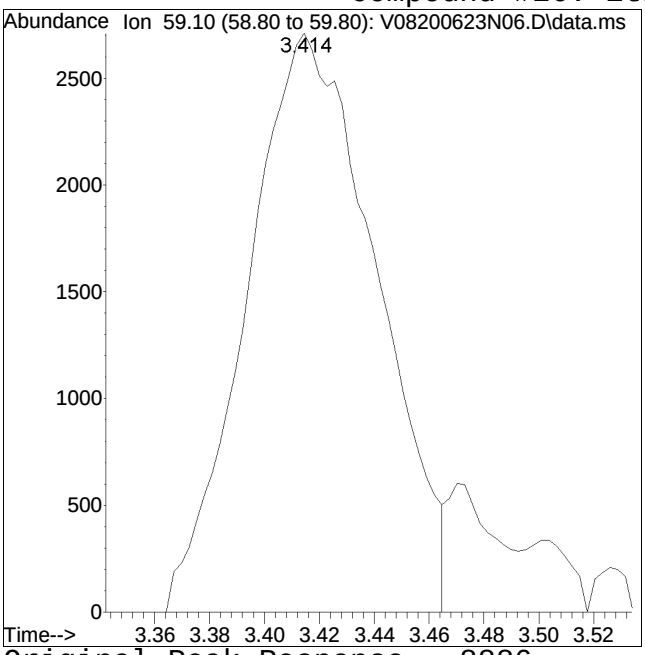
Manual Peak Response = 1731 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

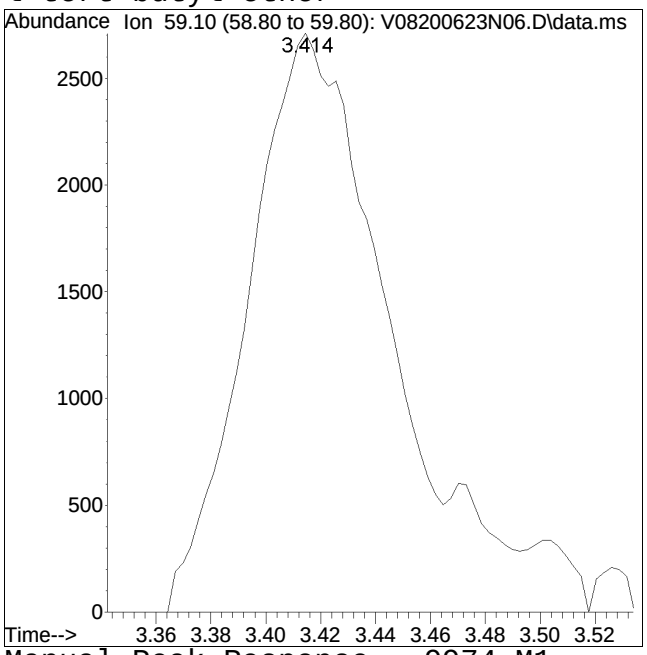
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200623N06.D Operator : VOA108:NLK
Date Inj'd : 6/23/2020 5:33 pm Instrument : VOA 108
Sample : I8260STDL0.5PPB Quant Date : 6/24/2020 10:06 am

Compound #26: Ethyl tert-butyl ether



Original Peak Response = 8886



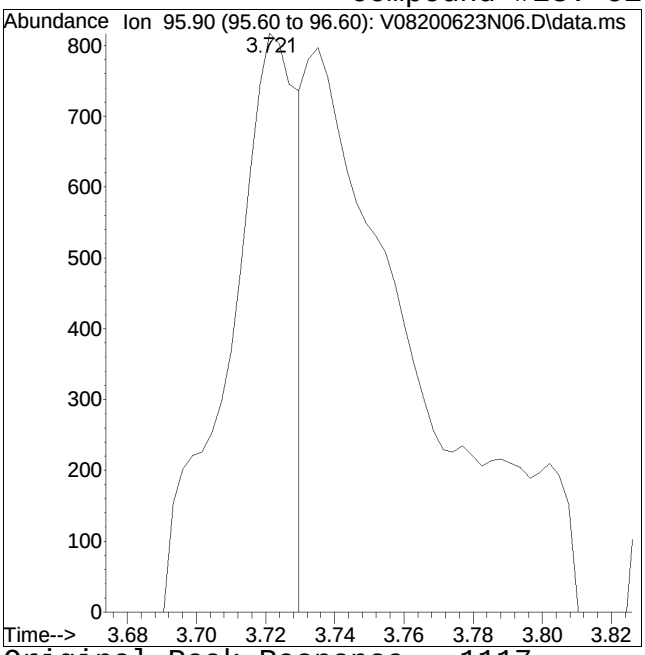
Manual Peak Response = 9974 M1

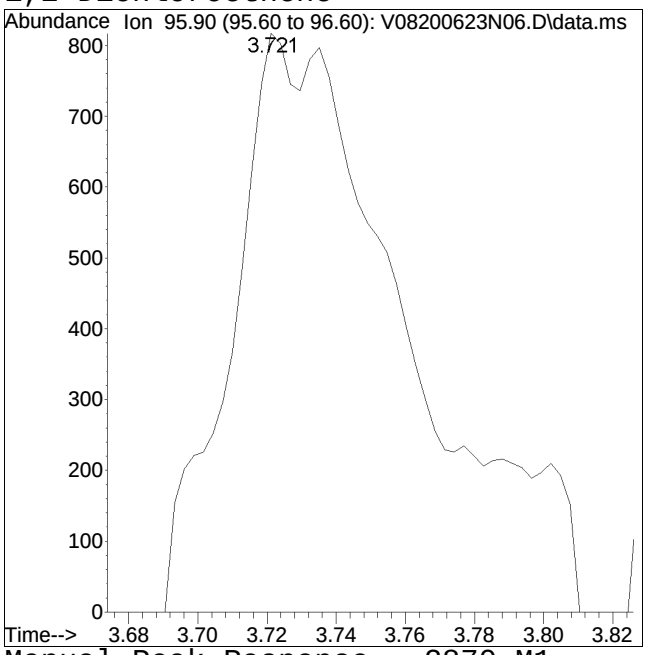
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200623N06.D Operator : VOA108:NLK
Date Inj'd : 6/23/2020 5:33 pm Instrument : VOA 108
Sample : I8260STDL0.5PPB Quant Date : 6/24/2020 10:06 am

Compound #28: cis-1,2-Dichloroethene



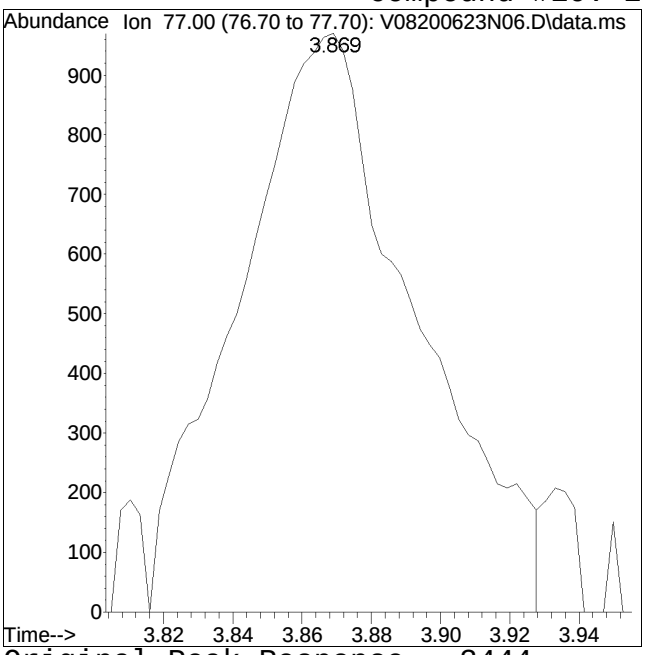


Original Peak Response = 1117 Manual Peak Response = 2870 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

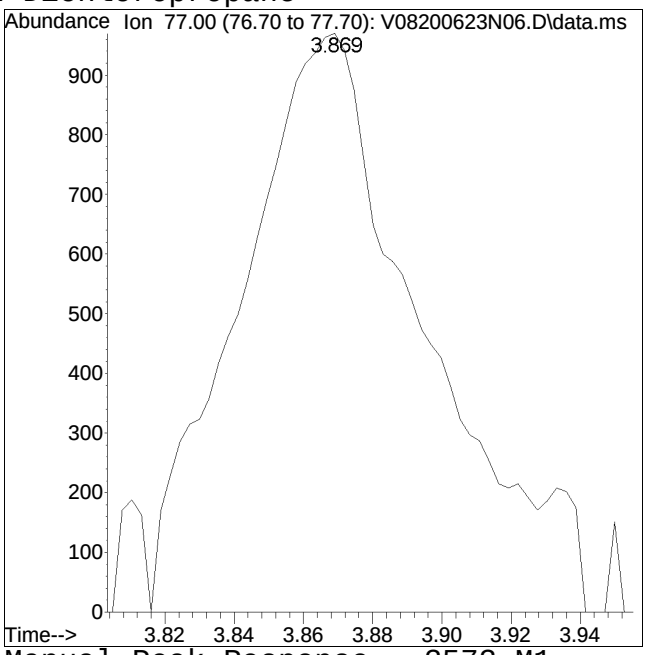
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200623N06.D Operator : VOA108:NLK
Date Inj'd : 6/23/2020 5:33 pm Instrument : VOA 108
Sample : I8260STDL0.5PPB Quant Date : 6/24/2020 10:06 am

Compound #29: 2,2-Dichloropropane



Original Peak Response = 3444



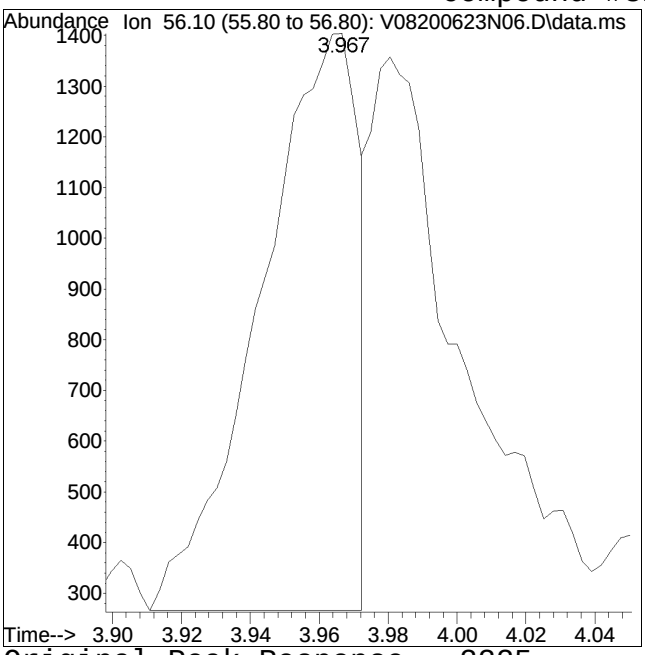
Manual Peak Response = 3573 M1

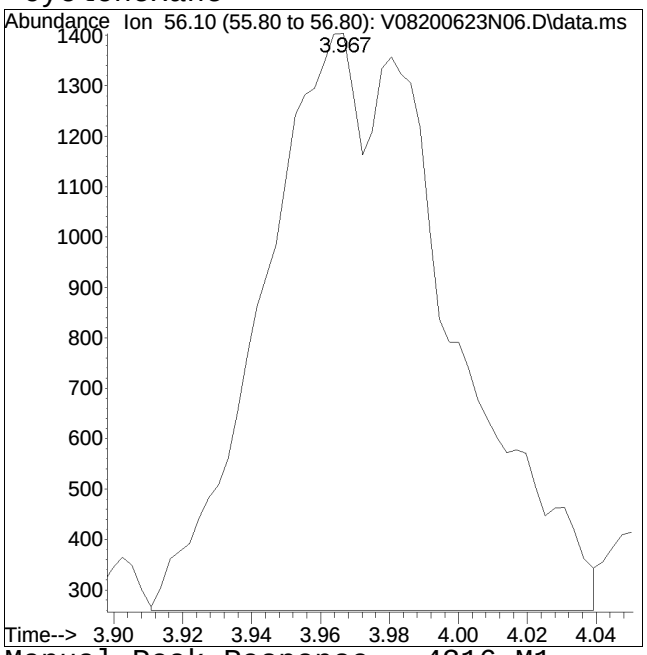
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200623N06.D Operator : VOA108:NLK
Date Inj'd : 6/23/2020 5:33 pm Instrument : VOA 108
Sample : I8260STDL0.5PPB Quant Date : 6/24/2020 10:06 am

Compound #31: Cyclohexane





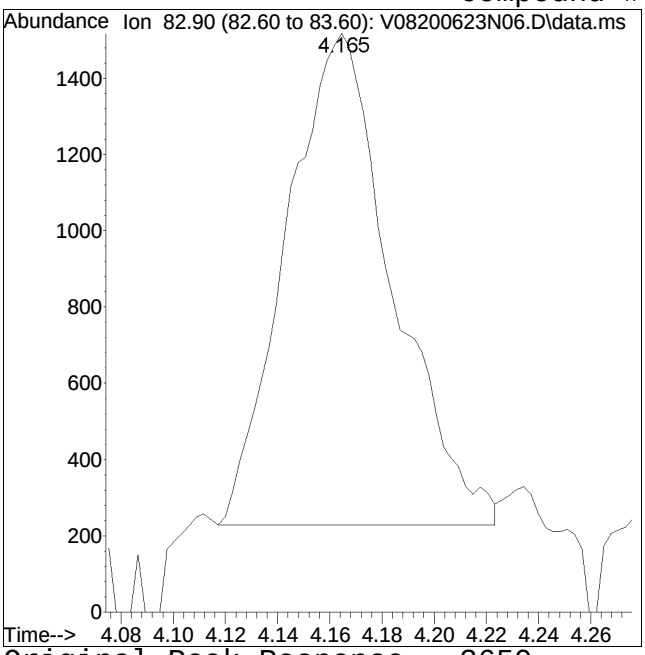
Original Peak Response = 2225 Manual Peak Response = 4316 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

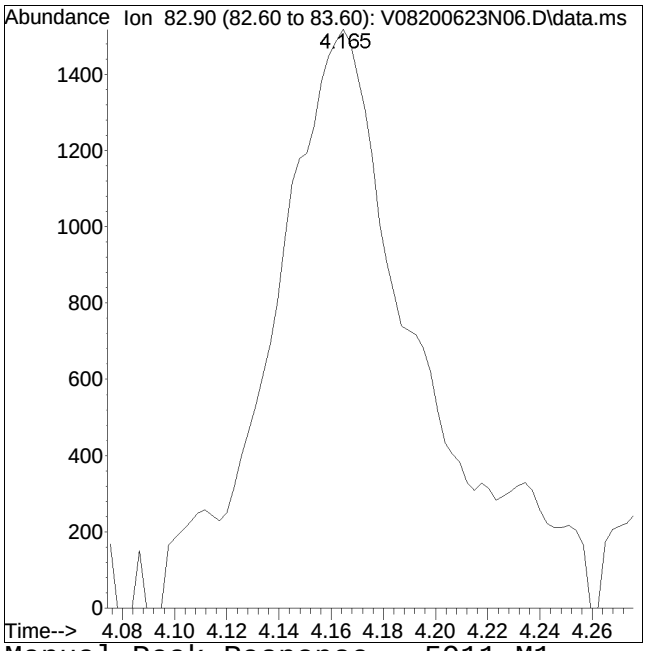
Data Path : I:\VOLATILES\VOA108\2020\2Q
Data File : V08200623N06.D
Date Inj'd : 6/23/2020 5:33 pm
Sample : I8260STDL0.5PPB

Method : V108_200623N_8260.m
Operator : VOA108:NLK
Instrument : VOA 108
Quant Date : 6/24/2020 10:06 am

Compound #32: Chloroform



Original Peak Response = 3650



Manual Peak Response = 5911 M1

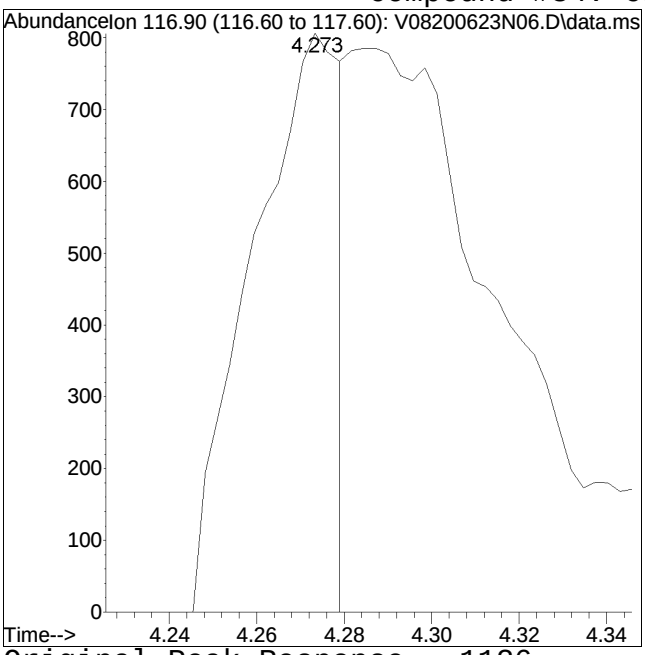
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

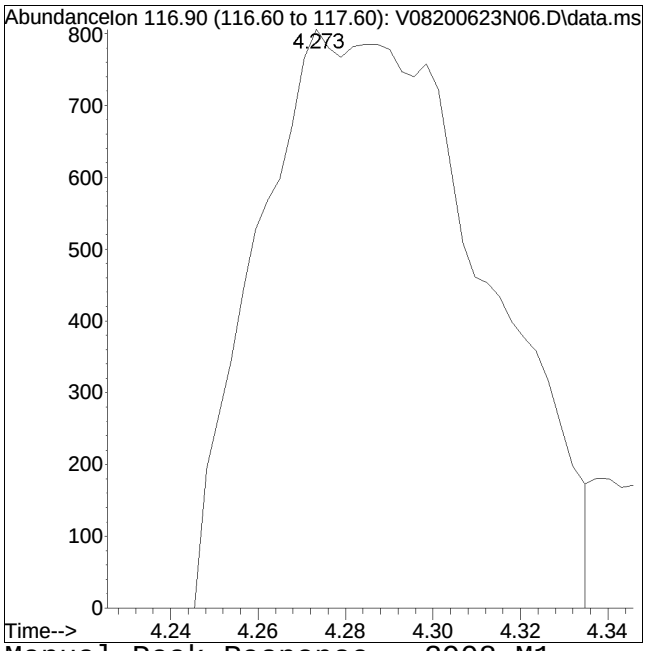
Data Path : I:\VOLATILES\VOA108\2020\2Q
Data File : V08200623N06.D
Date Inj'd : 6/23/2020 5:33 pm
Sample : I8260STDL0.5PPB

Method : V108_200623N_8260.m
Operator : VOA108:NLK
Instrument : VOA 108
Quant Date : 6/24/2020 10:06 am

Compound #34: Carbon tetrachloride



Original Peak Response = 1126



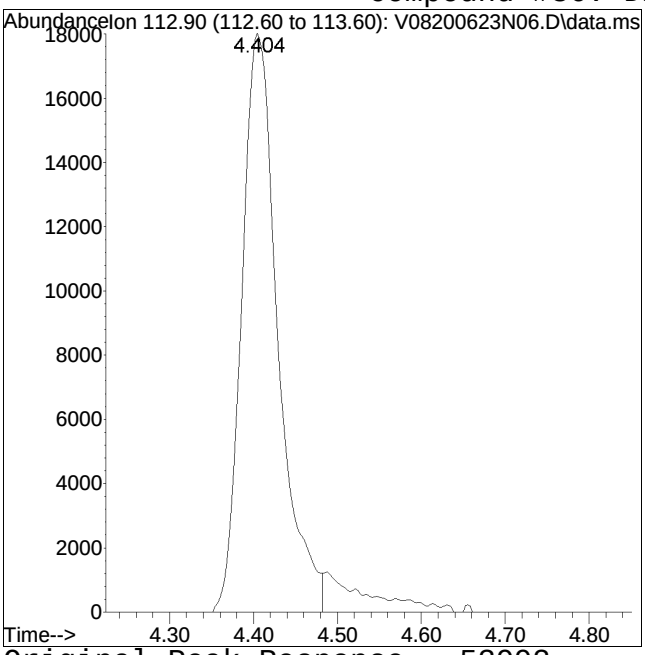
Manual Peak Response = 2908 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

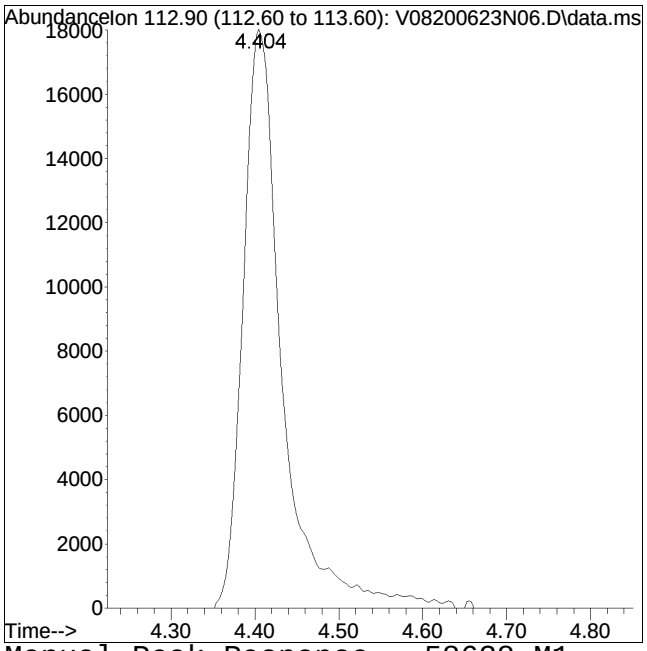
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200623N06.D Operator : VOA108:NLK
Date Inj'd : 6/23/2020 5:33 pm Instrument : VOA 108
Sample : I8260STDL0.5PPB Quant Date : 6/24/2020 10:06 am

Compound #36: Dibromofluoromethane



Original Peak Response = 53992



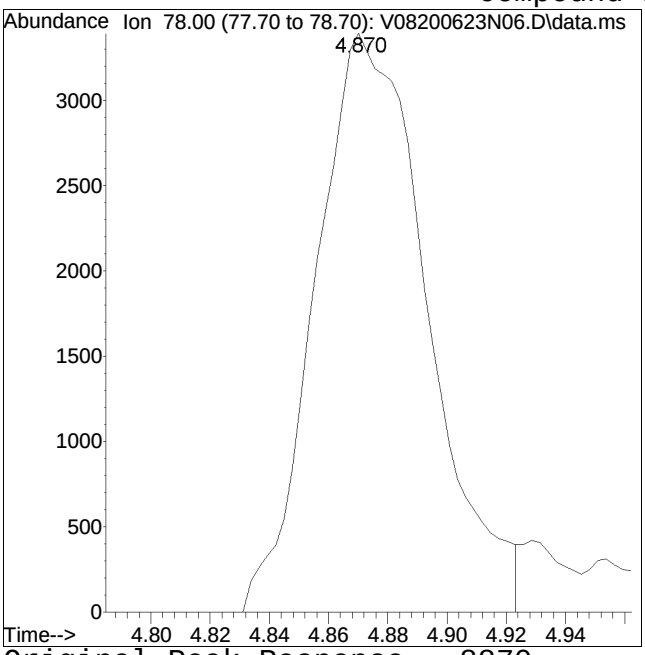
Manual Peak Response = 58638 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

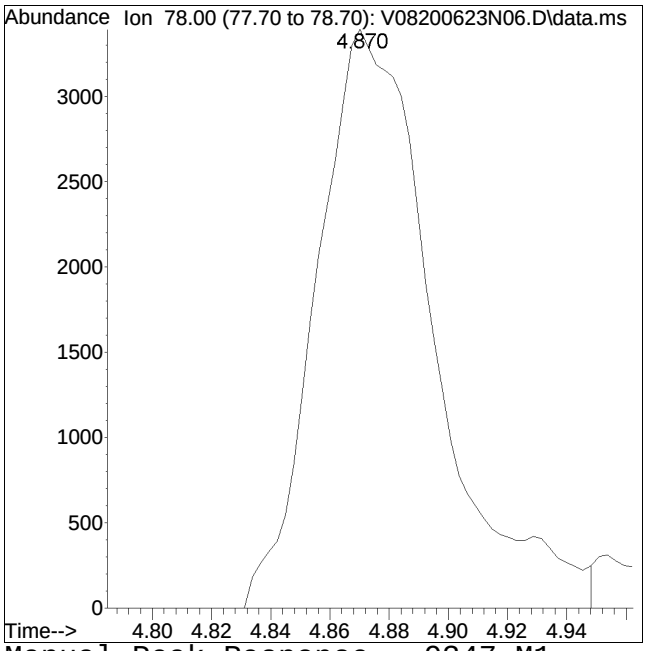
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200623N06.D Operator : VOA108:NLK
Date Inj'd : 6/23/2020 5:33 pm Instrument : VOA 108
Sample : I8260STDL0.5PPB Quant Date : 6/24/2020 10:06 am

Compound #41: Benzene



Original Peak Response = 8870



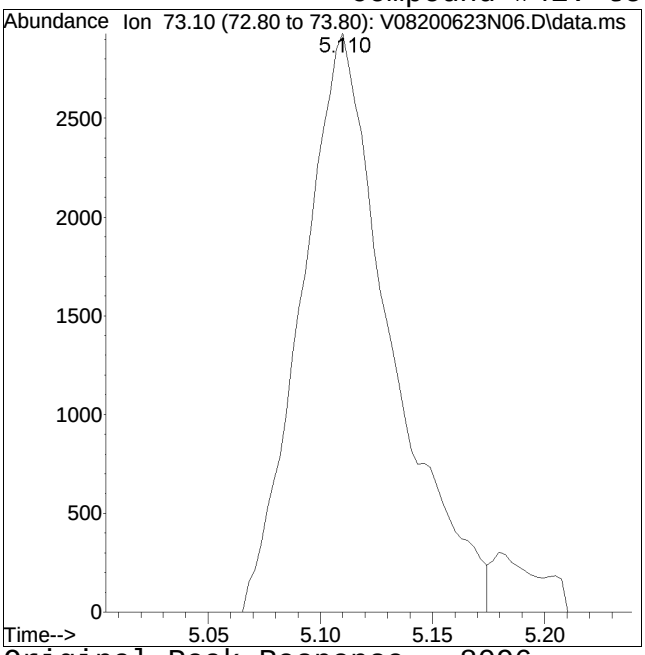
Manual Peak Response = 9347 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

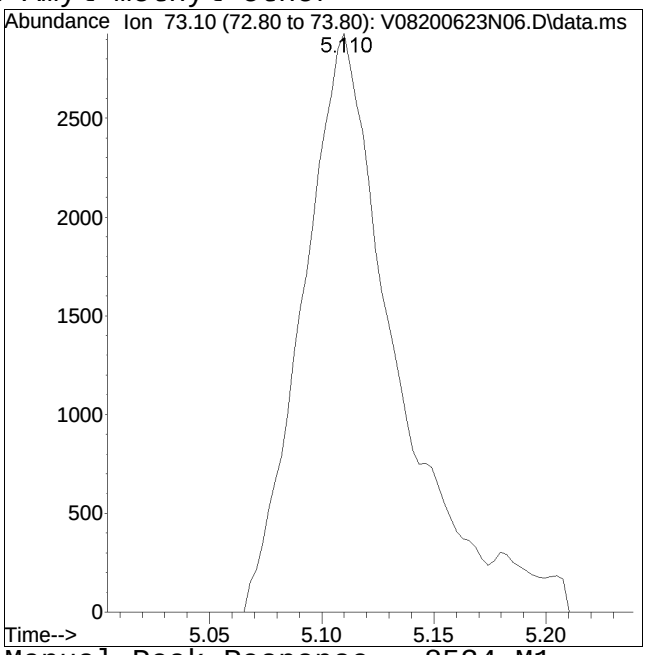
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200623N06.D Operator : VOA108:NLK
Date Inj'd : 6/23/2020 5:33 pm Instrument : VOA 108
Sample : I8260STDL0.5PPB Quant Date : 6/24/2020 10:06 am

Compound #42: tert-Amyl methyl ether



Original Peak Response = 8096



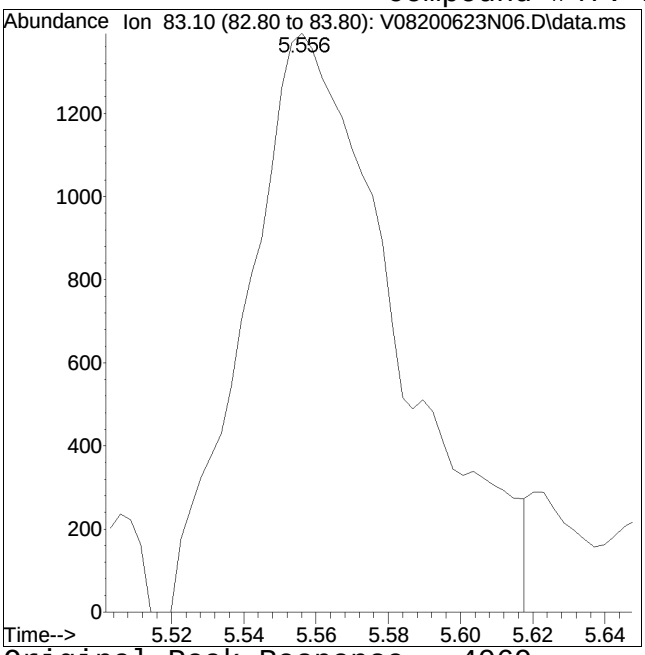
Manual Peak Response = 8534 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

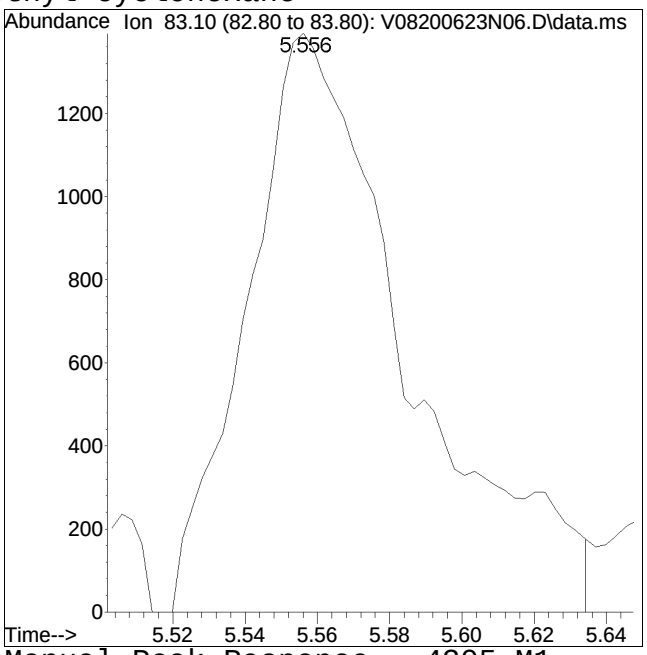
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200623N06.D Operator : VOA108:NLK
Date Inj'd : 6/23/2020 5:33 pm Instrument : VOA 108
Sample : I8260STDL0.5PPB Quant Date : 6/24/2020 10:06 am

Compound #47: Methyl cyclohexane



Original Peak Response = 4069



Manual Peak Response = 4305 M1

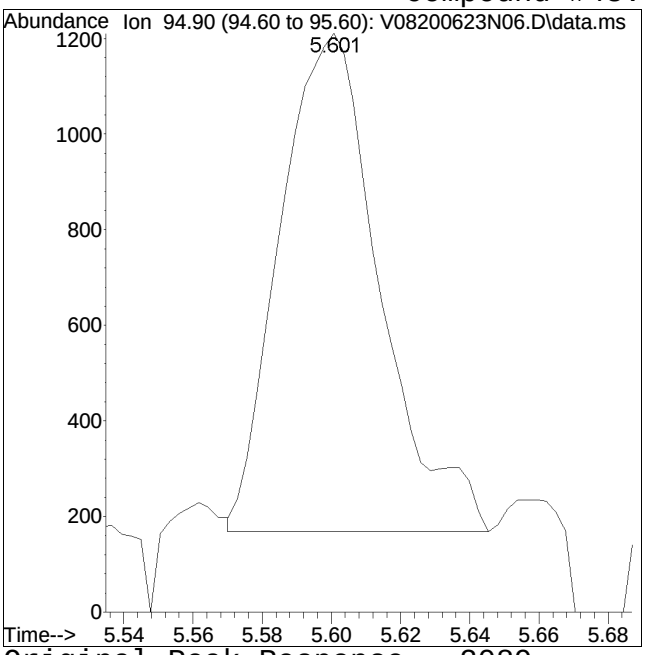
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

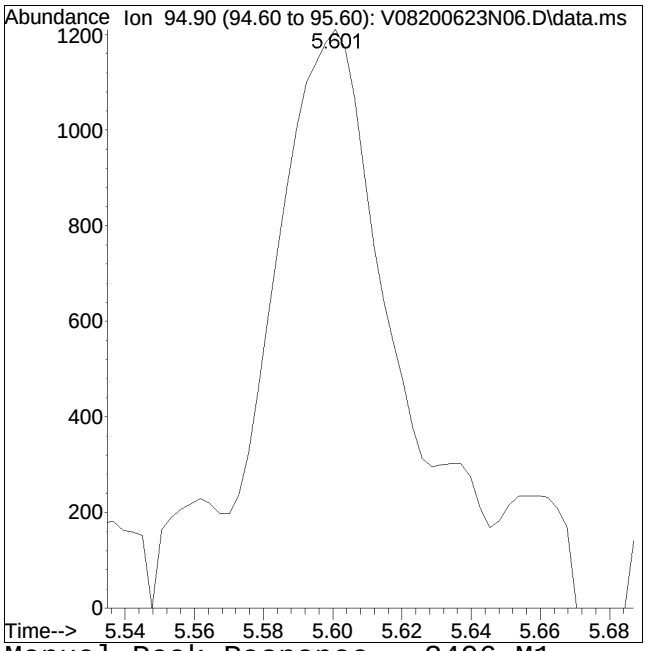
Data Path : I:\VOLATILES\VOA108\2020\2Q
Data File : V08200623N06.D
Date Inj'd : 6/23/2020 5:33 pm
Sample : I8260STDL0.5PPB

Method : V108_200623N_8260.m
Operator : VOA108:NLK
Instrument : VOA 108
Quant Date : 6/24/2020 10:06 am

Compound #48: Trichloroethene



Original Peak Response = 2089



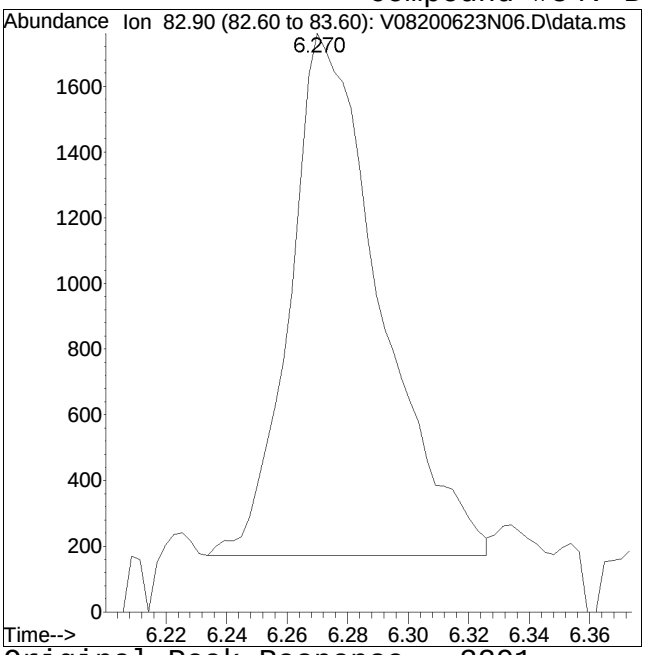
Manual Peak Response = 3406 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

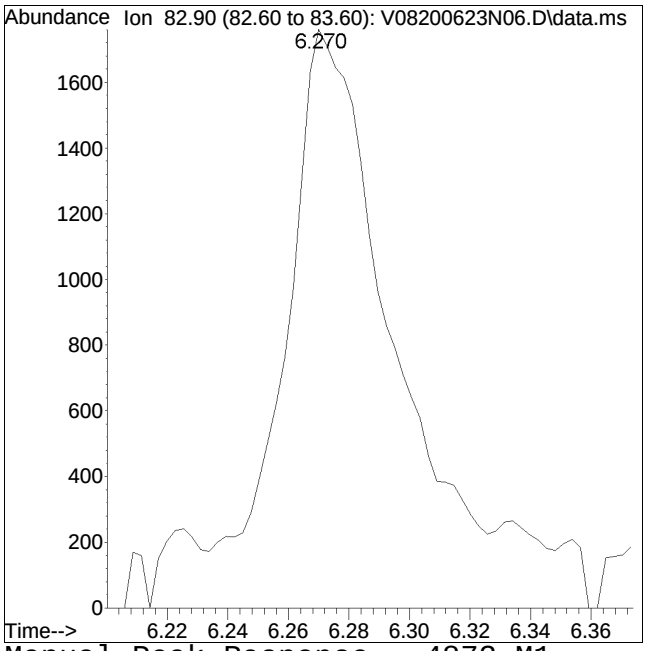
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200623N06.D Operator : VOA108:NLK
Date Inj'd : 6/23/2020 5:33 pm Instrument : VOA 108
Sample : I8260STDL0.5PPB Quant Date : 6/24/2020 10:06 am

Compound #54: Bromodichloromethane



Original Peak Response = 3291



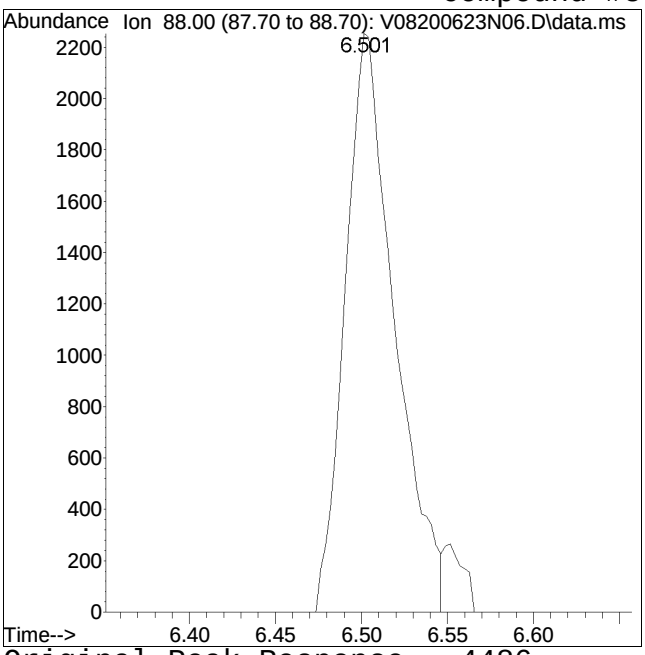
Manual Peak Response = 4873 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

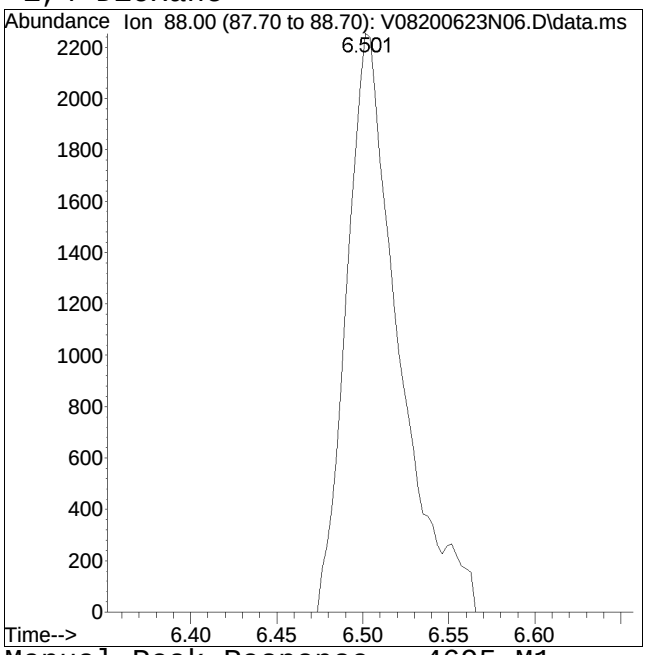
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200623N06.D Operator : VOA108:NLK
Date Inj'd : 6/23/2020 5:33 pm Instrument : VOA 108
Sample : I8260STDL0.5PPB Quant Date : 6/24/2020 10:06 am

Compound #57: 1,4-Dioxane



Original Peak Response = 4486



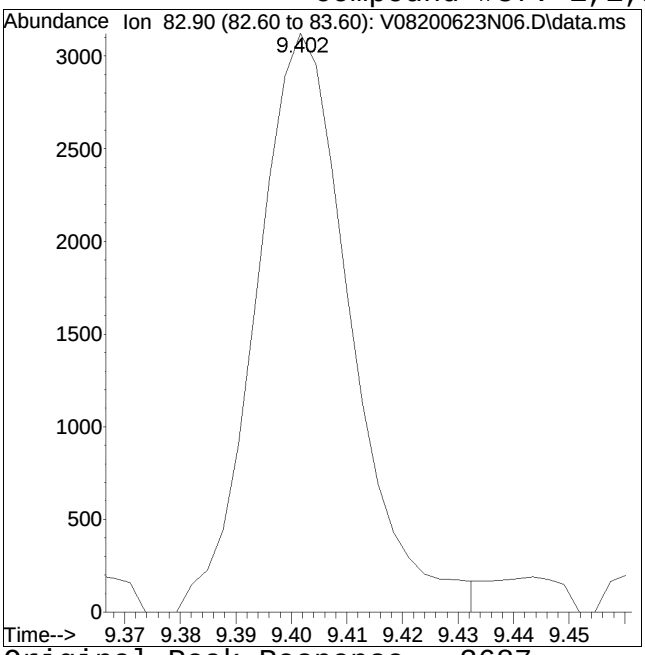
Manual Peak Response = 4695 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

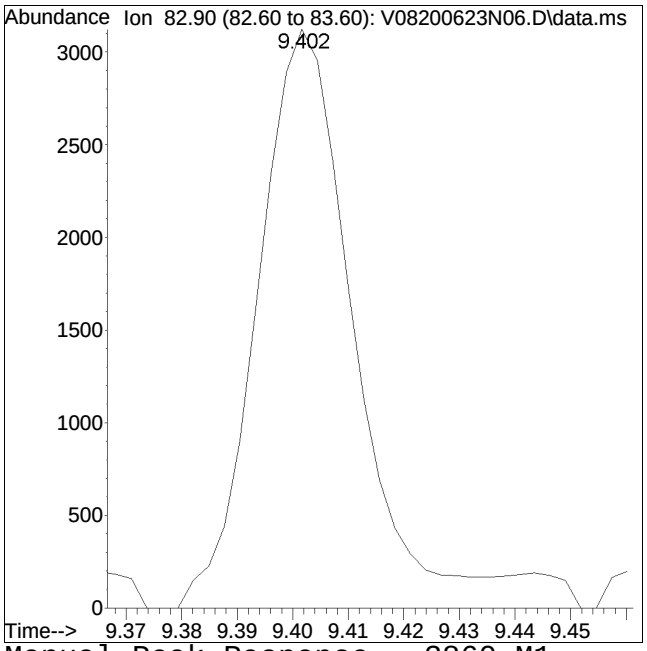
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200623N06.D Operator : VOA108:NLK
Date Inj'd : 6/23/2020 5:33 pm Instrument : VOA 108
Sample : I8260STDL0.5PPB Quant Date : 6/24/2020 10:06 am

Compound #87: 1,1,2,2-Tetrachloroethane



Original Peak Response = 3687



Manual Peak Response = 3860 M1

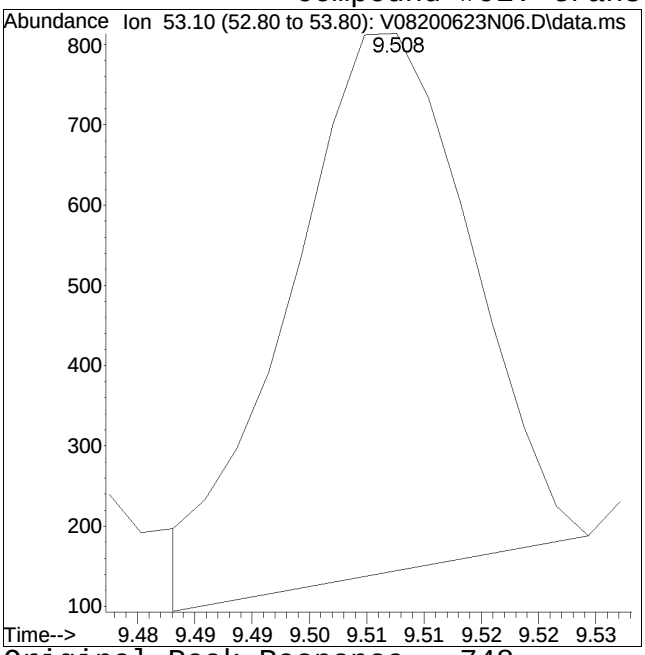
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

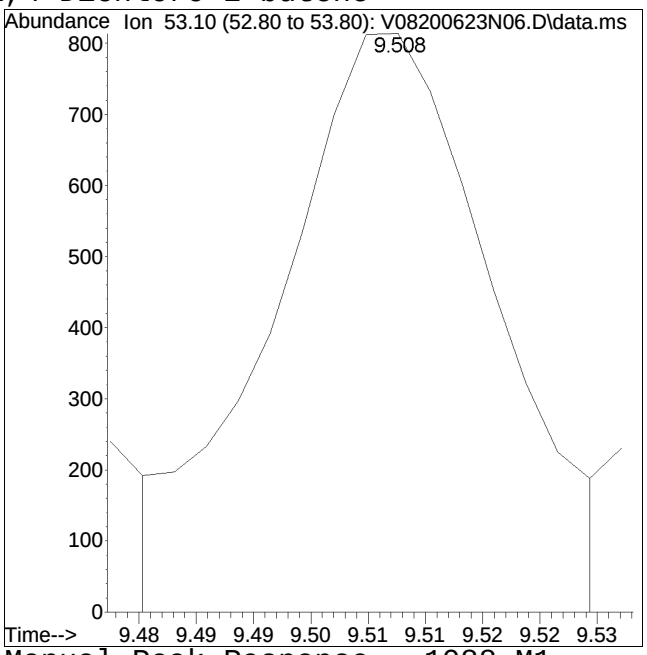
Data Path : I:\VOLATILES\VOA108\2020\2Q
Data File : V08200623N06.D
Date Inj'd : 6/23/2020 5:33 pm
Sample : I8260STDL0.5PPB

Method : V108_200623N_8260.m
Operator : VOA108:NLK
Instrument : VOA 108
Quant Date : 6/24/2020 10:06 am

Compound #92: trans-1,4-Dichloro-2-butene



Original Peak Response = 748



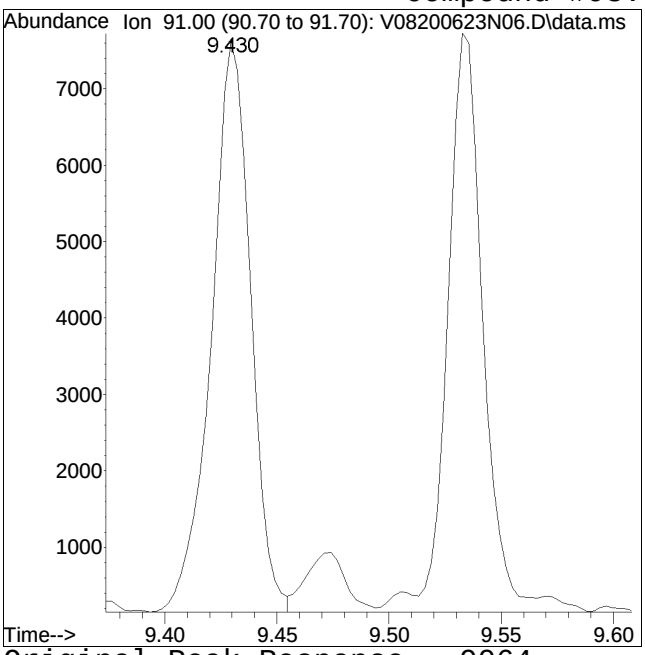
Manual Peak Response = 1088 M1

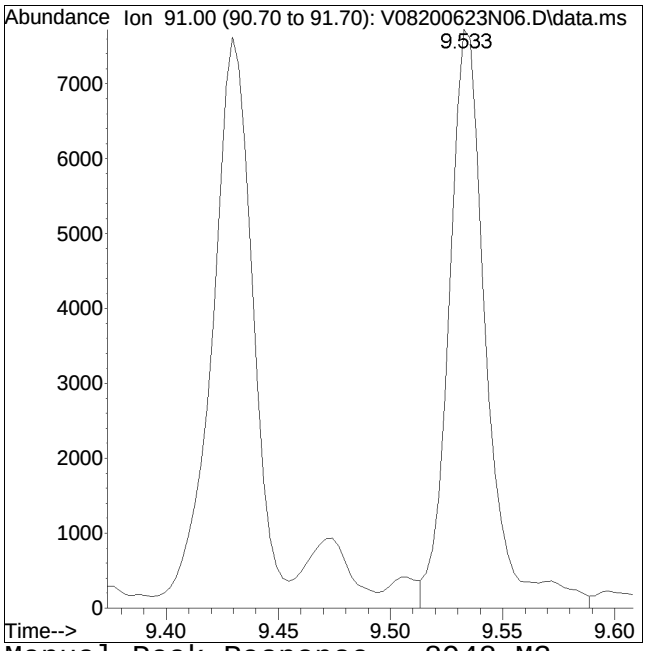
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200623N06.D Operator : VOA108:NLK
Date Inj'd : 6/23/2020 5:33 pm Instrument : VOA 108
Sample : I8260STDL0.5PPB Quant Date : 6/24/2020 10:06 am

Compound #93: 4-Chlorotoluene





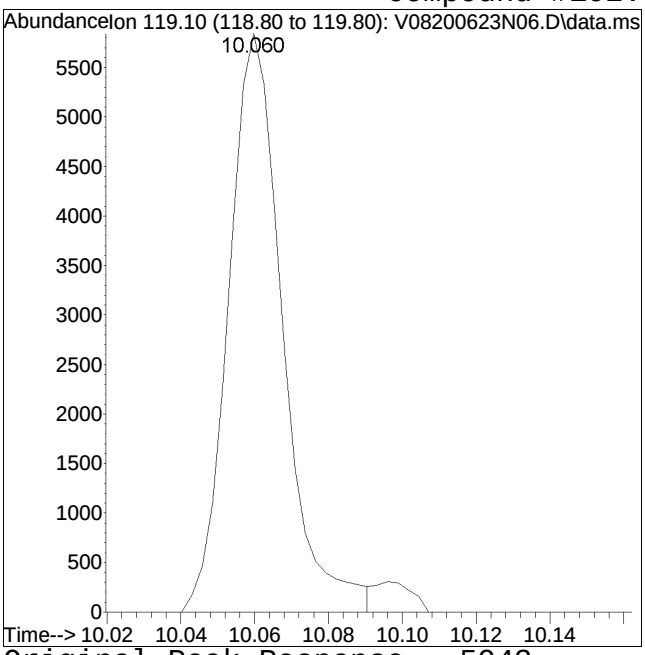
Original Peak Response = 9064 Manual Peak Response = 8948 M3

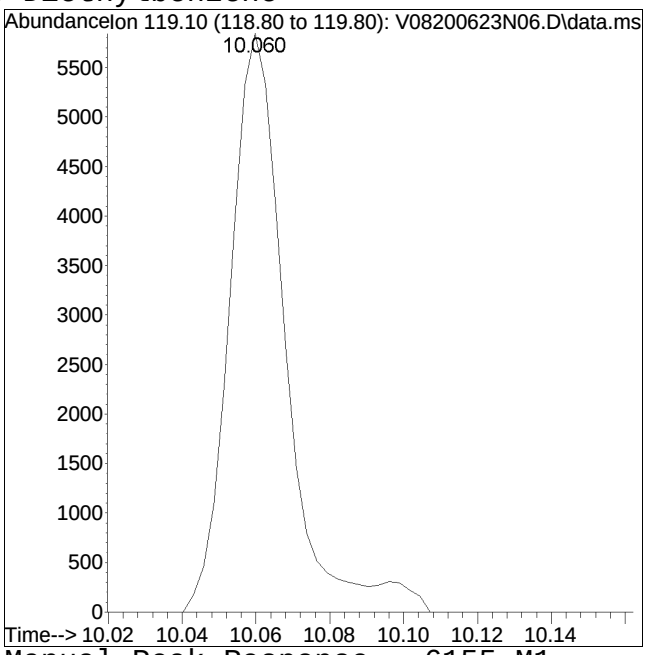
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200623N06.D Operator : VOA108:NLK
Date Inj'd : 6/23/2020 5:33 pm Instrument : VOA 108
Sample : I8260STDL0.5PPB Quant Date : 6/24/2020 10:06 am

Compound #102: p-Diethylbenzene





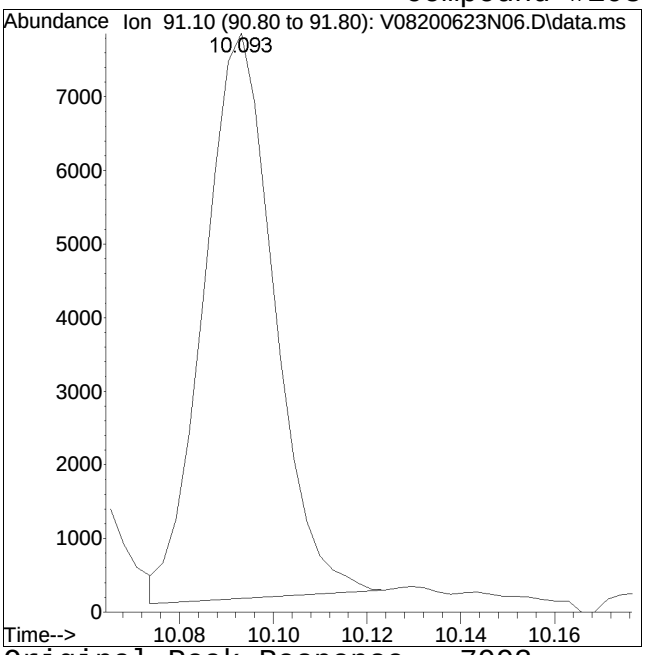
Original Peak Response = 5943 Manual Peak Response = 6155 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

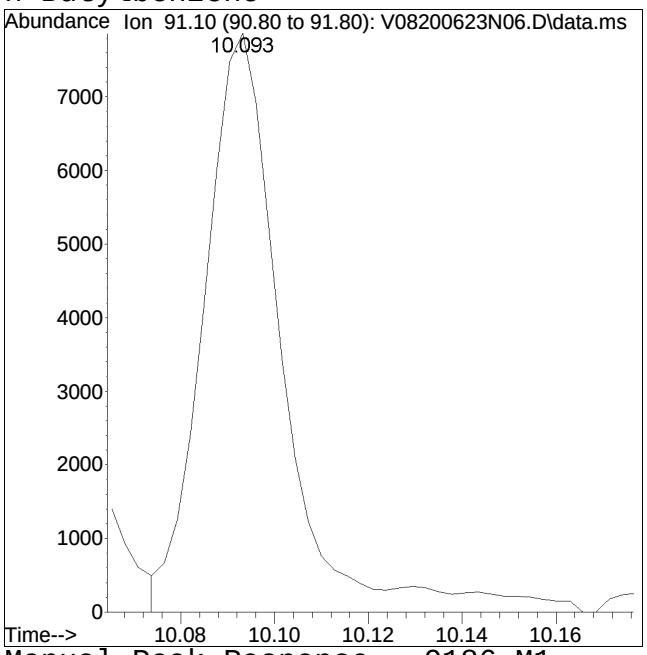
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200623N06.D Operator : VOA108:NLK
Date Inj'd : 6/23/2020 5:33 pm Instrument : VOA 108
Sample : I8260STDL0.5PPB Quant Date : 6/24/2020 10:06 am

Compound #103: n-Butylbenzene



Original Peak Response = 7993



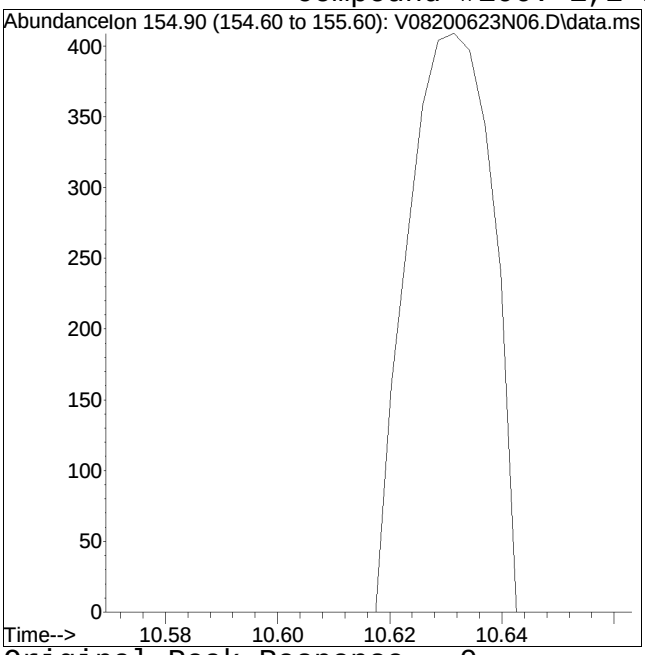
Manual Peak Response = 9186 M1

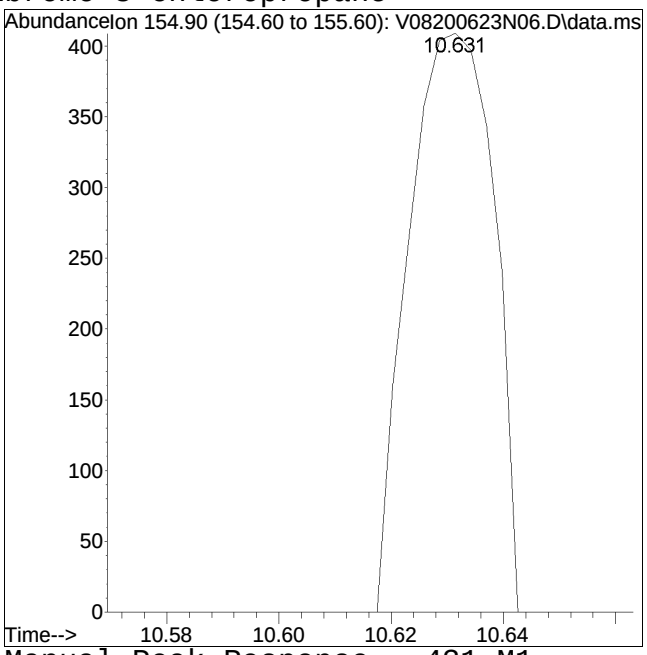
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200623N06.D Operator : VOA108:NLK
Date Inj'd : 6/23/2020 5:33 pm Instrument : VOA 108
Sample : I8260STDL0.5PPB Quant Date : 6/24/2020 10:06 am

Compound #106: 1,2-Dibromo-3-chloropropane





Original Peak Response = 0 Manual Peak Response = 431 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2020\200623N\
Data File : V08200623N08.D
Acq On : 23 Jun 2020 6:17 pm
Operator : VOA108:NLK
Sample : I8260STDL2.0PPB
Misc : WG1385357
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 24 10:16:18 2020
Quant Method : I:\VOLATILES\VOA108\2020\200623N\V108_200623N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jun 24 10:05:18 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2020\200623N\V08200623N09.D
Sub List : 8260-CurvePenta - All compounds listed

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.400	96	208544	10.000 ug/L	0.00
Standard Area 1 = 214871			Recovery = 97.06%		
59) Chlorobenzene-d5	8.431	117	162846	10.000 ug/L	0.00
Standard Area 1 = 164408			Recovery = 99.05%		
79) 1,4-Dichlorobenzene-d4	9.923	152	78831	10.000 ug/L	0.00
Standard Area 1 = 79243			Recovery = 99.48%		
System Monitoring Compounds					
36) Dibromofluoromethane	4.405	113	58726M1	10.591 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.91%		
43) 1,2-Dichloroethane-d4	5.052	65	67575M1	11.423 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 114.23%		
60) Toluene-d8	7.110	98	209960	10.029 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.29%		
83) 4-Bromofluorobenzene	9.254	95	81008	9.849 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.49%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.938	85	10960	2.050 ug/L	92
3) Chloromethane	1.053	50	14395	1.859 ug/L	99
4) Vinyl chloride	1.106	62	13483	1.985 ug/L	98
5) Bromomethane	1.304	94	7061	2.145 ug/L	91
6) Chloroethane	1.382	64	7753	2.050 ug/L	97
7) Trichlorofluoromethane	1.476	101	15576M1	2.052 ug/L	
8) Ethyl ether	1.705	74	5756M1	2.053 ug/L	
10) 1,1-Dichloroethene	1.833	96	9609	2.013 ug/L #	76
11) Carbon disulfide	1.839	76	27068	1.938 ug/L	96
12) Freon-113	1.872	101	9917M1	1.963 ug/L	
13) Iodomethane	1.931	142	11373M1	1.737 ug/L	
14) Acrolein	2.096	56	1779	2.096 ug/L #	59
15) Methylene chloride	2.305	84	13573M1	2.422 ug/L	
17) Acetone	2.358	43	3882	2.365 ug/L	97
18) trans-1,2-Dichloroethene	2.447	96	12193M1	2.227 ug/L	
19) Methyl acetate	2.486	43	10295	2.353 ug/L #	90
20) Methyl tert-butyl ether	2.572	73	30865M1	1.999 ug/L	
21) tert-Butyl alcohol	2.709	59	7326M1	10.514 ug/L	
22) Diisopropyl ether	2.982	45	52185M1	2.111 ug/L	

Data Path : I:\VOLATILES\VOA108\2020\200623N\
Data File : V08200623N08.D
Acq On : 23 Jun 2020 6:17 pm
Operator : VOA108:NLK
Sample : I8260STDL2.0PPB
Misc : WG1385357
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 24 10:16:18 2020
Quant Method : I:\VOLATILES\VOA108\2020\200623N\V108_200623N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jun 24 10:05:18 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2020\200623N\V08200623N09.D
Sub List : 8260-CurvePenta - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
23) 1,1-Dichloroethane	3.063	63	22727M1	2.170	ug/L		
24) Halothane	3.205	117	8940M1	2.094	ug/L		
25) Acrylonitrile	3.127	53	4224	1.876	ug/L		96
26) Ethyl tert-butyl ether	3.415	59	44729M1	2.117	ug/L		
27) Vinyl acetate	3.420	43	22328	1.510	ug/L		98
28) cis-1,2-Dichloroethene	3.733	96	13512M1	2.147	ug/L		
29) 2,2-Dichloropropane	3.864	77	17267M1	2.140	ug/L		
30) Bromochloromethane	4.000	128	5834M1	1.950	ug/L		
31) Cyclohexane	3.975	56	22417	1.998	ug/L		82
32) Chloroform	4.162	83	22407M1	2.171	ug/L		
33) Ethyl acetate	4.407	43	10539	1.643	ug/L	#	94
34) Carbon tetrachloride	4.287	117	15835	2.107	ug/L	#	93
35) Tetrahydrofuran	4.354	42	3314	1.757	ug/L	#	55
37) 1,1,1-Trichloroethane	4.382	97	18304	1.936	ug/L	#	96
39) 2-Butanone	4.603	43	4399	1.708	ug/L		95
40) 1,1-Dichloropropene	4.561	75	15193M1	2.137	ug/L		
41) Benzene	4.873	78	46926M1	2.195	ug/L		
42) tert-Amyl methyl ether	5.105	73	35899M1	2.096	ug/L		
44) 1,2-Dichloroethane	5.132	62	16489	1.997	ug/L		97
47) Methyl cyclohexane	5.559	83	19569	2.027	ug/L		83
48) Trichloroethene	5.604	95	12522M1	2.060	ug/L		
50) Dibromomethane	6.050	93	6786M1	2.061	ug/L		
51) 1,2-Dichloropropane	6.161	63	13992M1	2.175	ug/L		
53) 2-Chloroethyl vinyl ether	6.923	63	8194M1	1.959	ug/L		
54) Bromodichloromethane	6.273	83	17272M1	2.166	ug/L		
57) 1,4-Dioxane	6.499	88	19132M1	429.147	ug/L		
58) cis-1,3-Dichloropropene	6.934	75	19848M1	2.151	ug/L		
61) Toluene	7.160	92	29454	2.035	ug/L		96
62) 4-Methyl-2-pentanone	7.575	58	5450	2.156	ug/L		92
63) Tetrachloroethene	7.525	166	12533	2.034	ug/L		89
65) trans-1,3-Dichloropropene	7.598	75	16002	1.927	ug/L		83
67) Ethyl methacrylate	7.787	69	15061	2.162	ug/L		98
68) 1,1,2-Trichloroethane	7.729	83	9324	2.201	ug/L		96
69) Chlorodibromomethane	7.865	129	12505	1.999	ug/L		97
70) 1,3-Dichloropropane	7.941	76	16700	1.977	ug/L		97
71) 1,2-Dibromoethane	8.027	107	10250	2.005	ug/L		97
72) 2-Hexanone	8.272	43	9253	1.970	ug/L		97
73) Chlorobenzene	8.443	112	33629	2.054	ug/L		91
74) Ethylbenzene	8.482	91	55003	2.028	ug/L		97
75) 1,1,1,2-Tetrachloroethane	8.501	131	12211	1.988	ug/L		93

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2020\200623N\
Data File : V08200623N08.D
Acq On : 23 Jun 2020 6:17 pm
Operator : VOA108:NLK
Sample : I8260STDL2.0PPB
Misc : WG1385357
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 24 10:16:18 2020
Quant Method : I:\VOLATILES\VOA108\2020\200623N\V108_200623N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jun 24 10:05:18 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2020\200623N\V08200623N09.D
Sub List : 8260-CurvePenta - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
76) p/m Xylene	8.590	106	43995	4.068	ug/L		92
77) o Xylene	8.875	106	43171	3.955	ug/L		88
78) Styrene	8.914	104	71078	4.029	ug/L		90
80) Bromoform	8.919	173	6901	2.000	ug/L		94
82) Isopropylbenzene	9.087	105	55197	2.017	ug/L		94
84) Bromobenzene	9.310	156	13216	2.028	ug/L		99
85) n-Propylbenzene	9.346	91	63915	2.045	ug/L		94
86) 1,4-Dichlorobutane	9.352	55	20059	1.965	ug/L		99
87) 1,1,2,2-Tetrachloroethane	9.402	83	13099	2.095	ug/L		94
88) 4-Ethyltoluene	9.416	105	54847	2.027	ug/L		96
89) 2-Chlorotoluene	9.430	91	44163	2.044	ug/L		94
90) 1,3,5-Trimethylbenzene	9.472	105	46882	2.072	ug/L	#	85
91) 1,2,3-Trichloropropane	9.469	75	9717	2.073	ug/L		97
92) trans-1,4-Dichloro-2-b...	9.505	53	4870	2.282	ug/L	#	91
93) 4-Chlorotoluene	9.533	91	38683	1.969	ug/L		90
94) tert-Butylbenzene	9.658	119	48781	2.021	ug/L		90
95) Pentachloroethane	9.667	167	7629	1.934	ug/L	#	83
97) 1,2,4-Trimethylbenzene	9.700	105	45621	2.035	ug/L		87
98) sec-Butylbenzene	9.762	105	58286	2.058	ug/L		97
99) p-Isopropyltoluene	9.851	119	53306	2.062	ug/L		93
100) 1,3-Dichlorobenzene	9.881	146	25602	1.970	ug/L		97
101) 1,4-Dichlorobenzene	9.934	146	26265	2.016	ug/L		96
102) p-Diethylbenzene	10.060	119	31462	2.048	ug/L		88
103) n-Butylbenzene	10.091	91	43525	1.999	ug/L		97
104) 1,2-Dichlorobenzene	10.174	146	25256	2.056	ug/L		99
105) 1,2,4,5-Tetramethylben...	10.514	119	47998	1.969	ug/L		97
106) 1,2-Dibromo-3-chloropr...	10.629	155	1742	1.803	ug/L		84
107) 1,3,5-Trichlorobenzene	10.646	180	16705	2.021	ug/L		96
108) Hexachlorobutadiene	10.991	225	6250	2.148	ug/L		95
109) 1,2,4-Trichlorobenzene	11.005	180	14571	1.941	ug/L		94
110) Naphthalene	11.187	128	37711	1.958	ug/L		100
111) 1,2,3-Trichlorobenzene	11.287	180	13201	1.974	ug/L	#	92

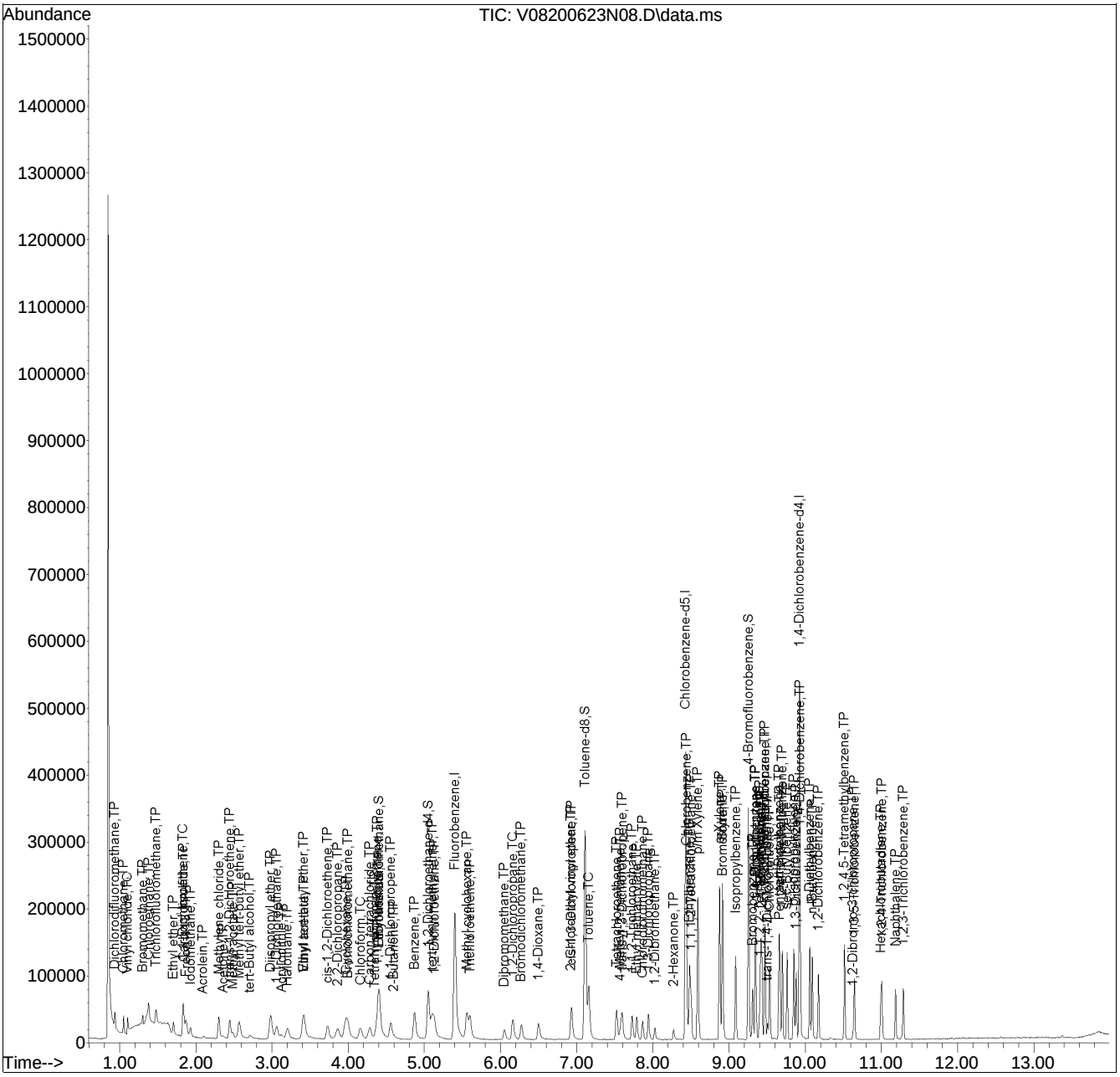
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2020\200623N\
Data File : V08200623N08.D
Acq On : 23 Jun 2020 6:17 pm
Operator : VOA108:NLK
Sample : I8260STDL2.0PPB
Misc : WG1385357
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 24 10:16:18 2020
Quant Method : I:\VOLATILES\VOA108\2020\200623N\V108_200623N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jun 24 10:05:18 2020
Response via : Initial Calibration

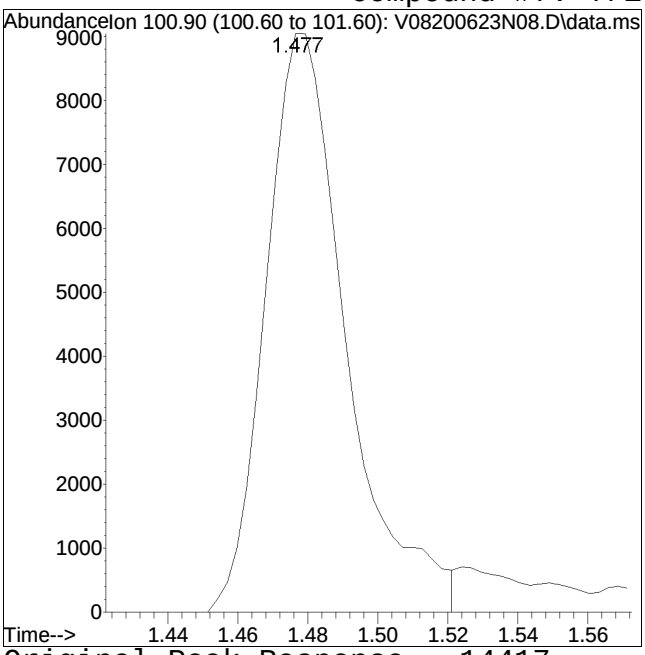
Sub List : 8260-CurvePenta - All compounds listed08200623N09.D•



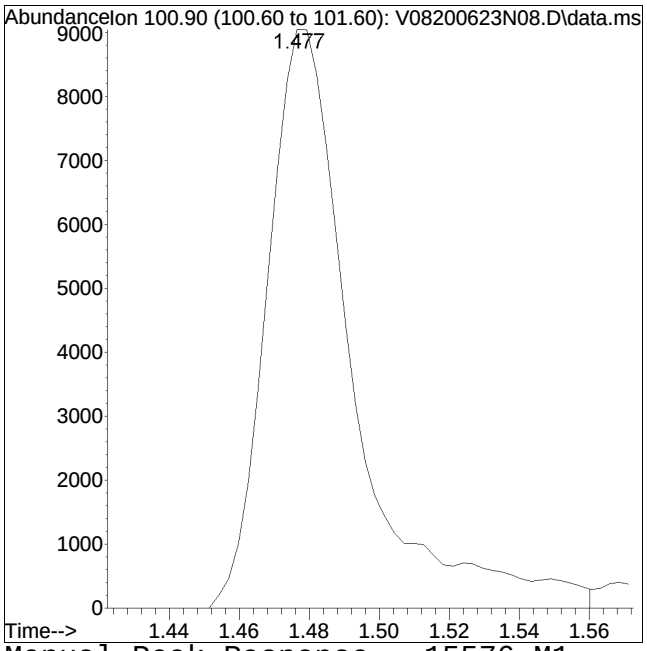
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200623N08.D Operator : VOA108:NLK
Date Inj'd : 6/23/2020 6:17 pm Instrument : VOA 108
Sample : I8260STDL2.0PPB Quant Date : 6/24/2020 10:06 am

Compound #7: Trichlorofluoromethane



Original Peak Response = 14417



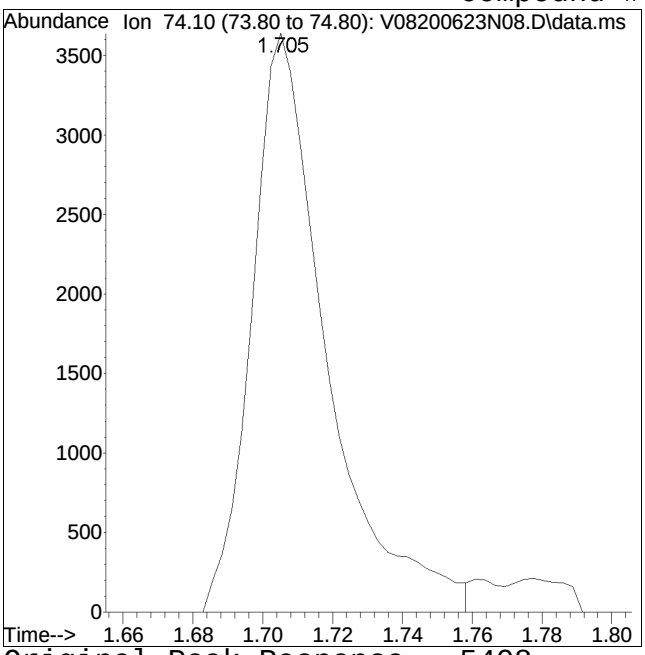
Manual Peak Response = 15576 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

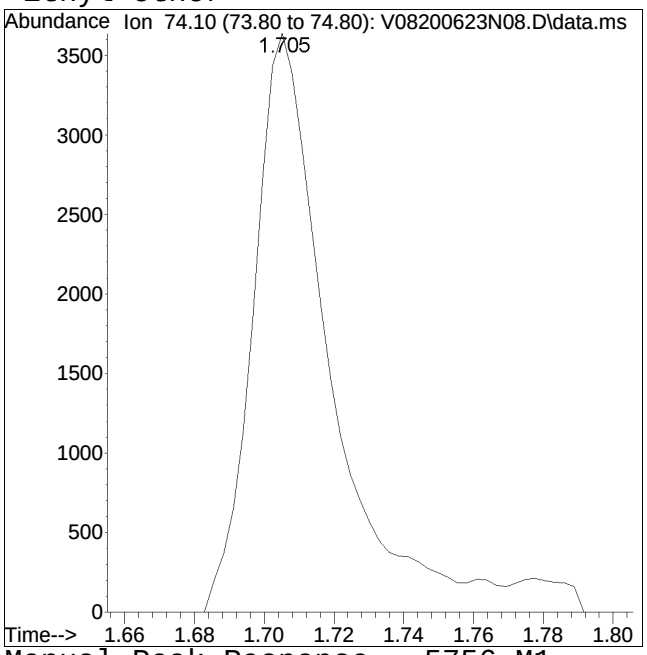
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200623N08.D Operator : VOA108:NLK
Date Inj'd : 6/23/2020 6:17 pm Instrument : VOA 108
Sample : I8260STDL2.0PPB Quant Date : 6/24/2020 10:06 am

Compound #8: Ethyl ether



Original Peak Response = 5408



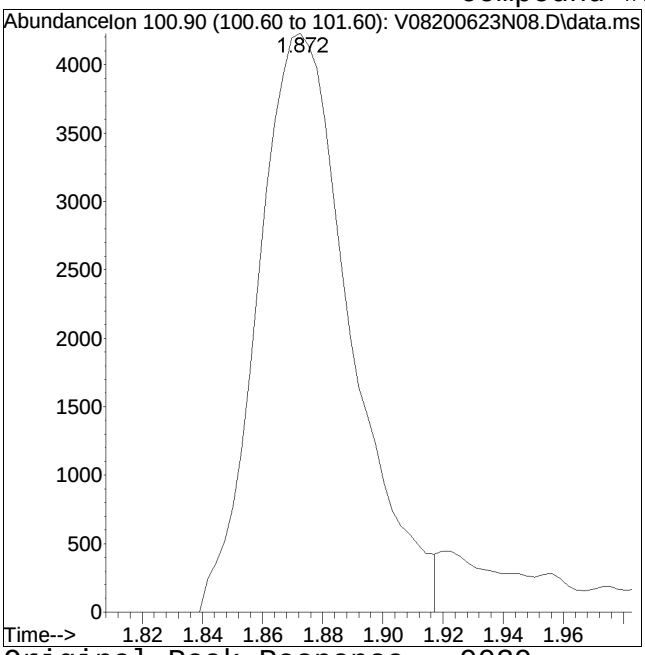
Manual Peak Response = 5756 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

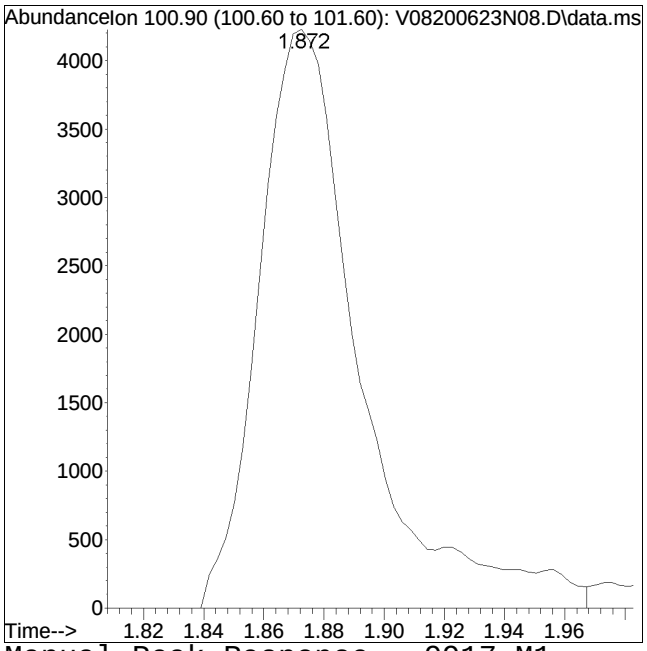
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200623N08.D Operator : VOA108:NLK
Date Inj'd : 6/23/2020 6:17 pm Instrument : VOA 108
Sample : I8260STDL2.0PPB Quant Date : 6/24/2020 10:06 am

Compound #12: Freon-113



Original Peak Response = 9039



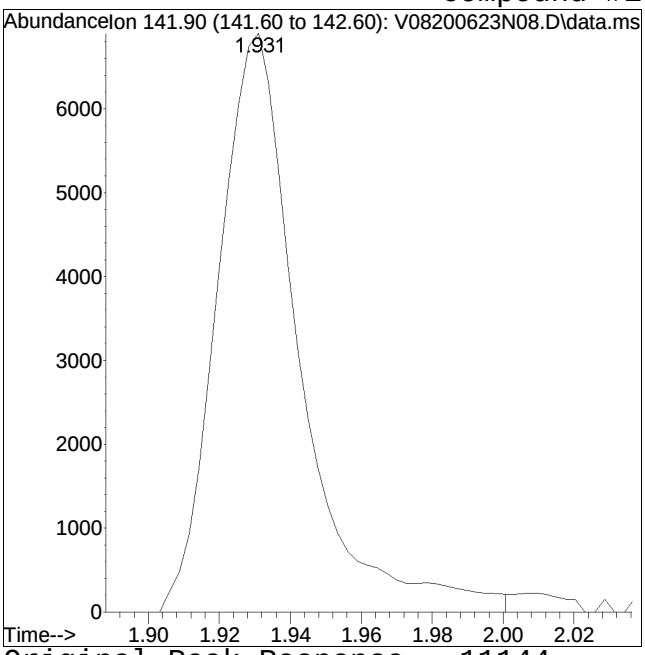
Manual Peak Response = 9917 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

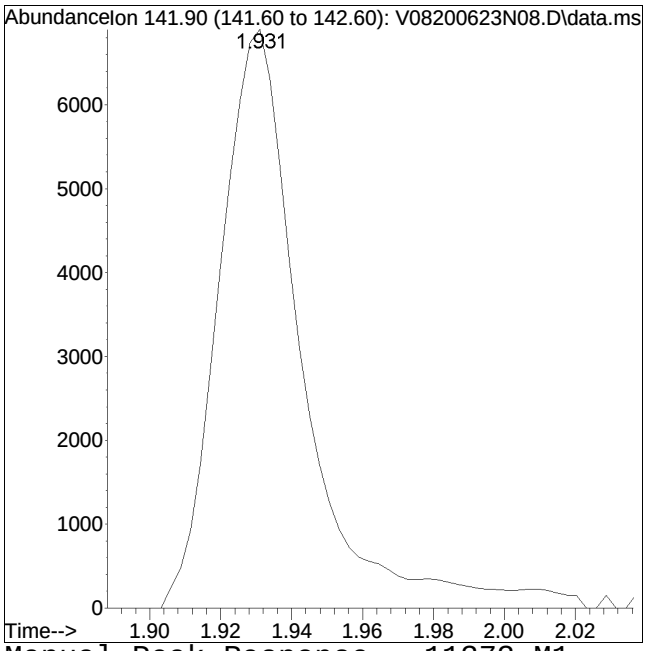
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200623N08.D Operator : VOA108:NLK
Date Inj'd : 6/23/2020 6:17 pm Instrument : VOA 108
Sample : I8260STDL2.0PPB Quant Date : 6/24/2020 10:06 am

Compound #13: Iodomethane



Original Peak Response = 11144



Manual Peak Response = 11373 M1

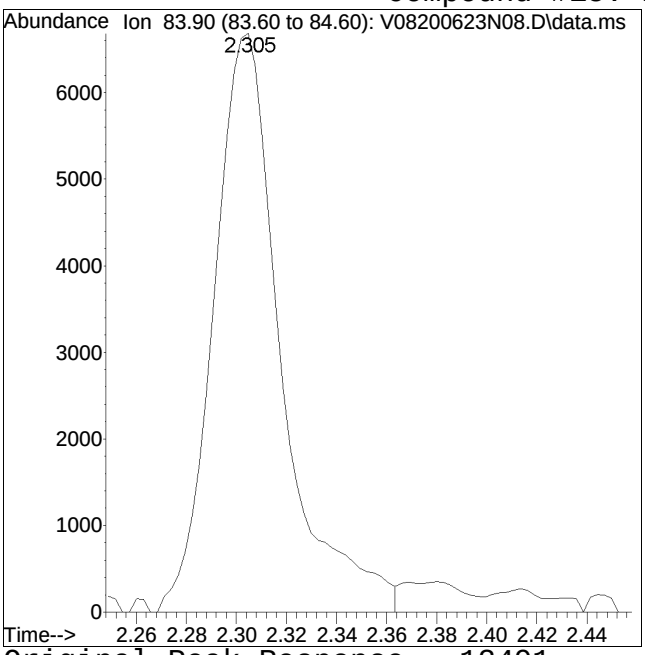
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

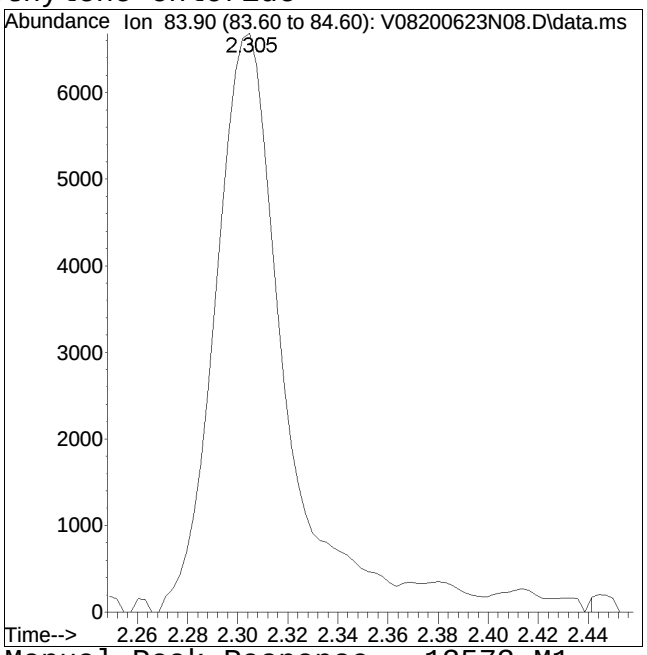
Data Path : I:\VOLATILES\VOA108\2020\2Q
Data File : V08200623N08.D
Date Inj'd : 6/23/2020 6:17 pm
Sample : I8260STDL2.0PPB

Method : V108_200623N_8260.m
Operator : VOA108:NLK
Instrument : VOA 108
Quant Date : 6/24/2020 10:06 am

Compound #15: Methylene chloride



Original Peak Response = 12491



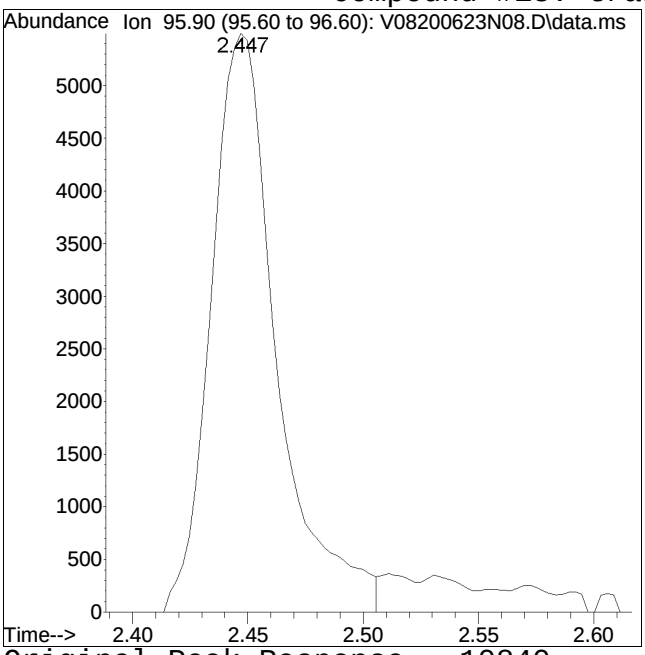
Manual Peak Response = 13573 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

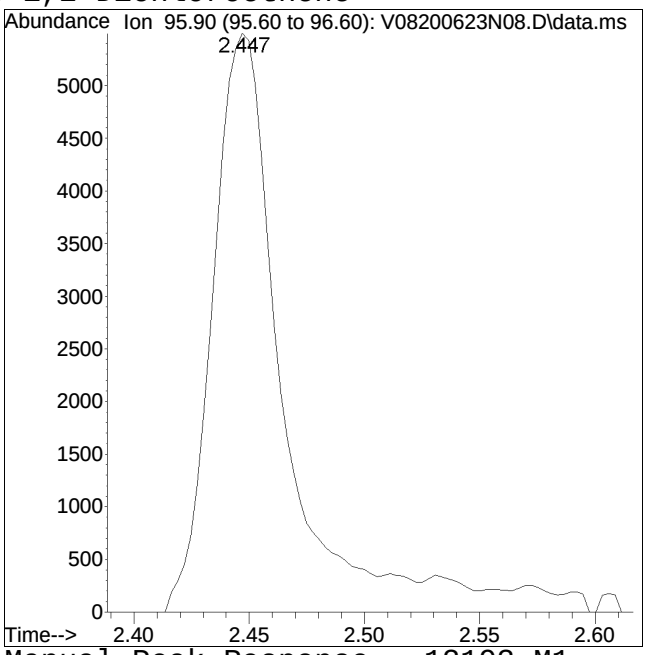
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200623N08.D Operator : VOA108:NLK
Date Inj'd : 6/23/2020 6:17 pm Instrument : VOA 108
Sample : I8260STDL2.0PPB Quant Date : 6/24/2020 10:06 am

Compound #18: trans-1,2-Dichloroethene



Original Peak Response = 10840



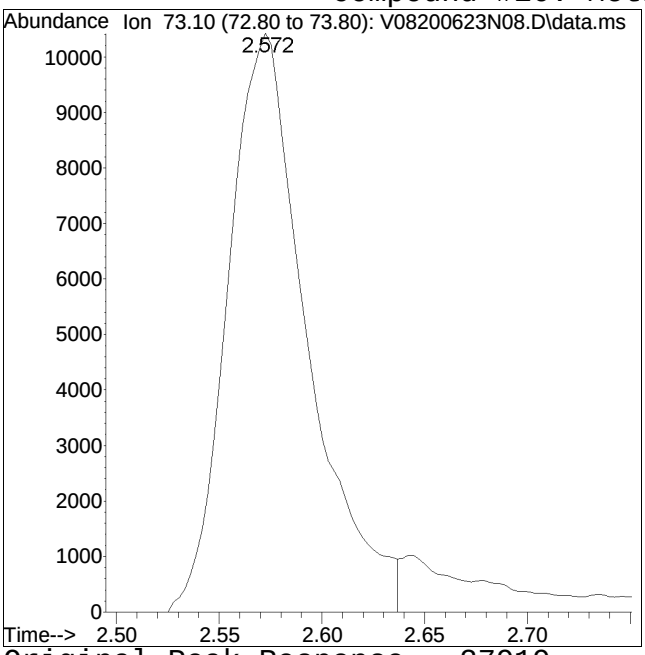
Manual Peak Response = 12193 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

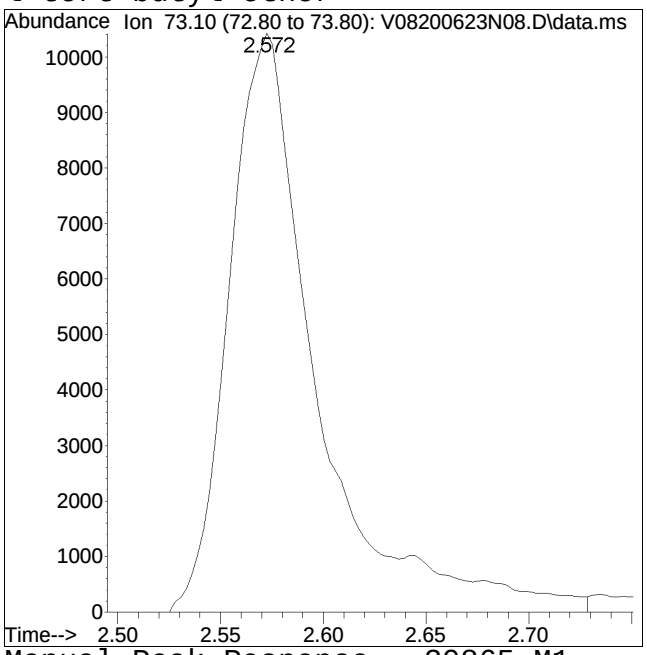
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200623N08.D Operator : VOA108:NLK
Date Inj'd : 6/23/2020 6:17 pm Instrument : VOA 108
Sample : I8260STDL2.0PPB Quant Date : 6/24/2020 10:06 am

Compound #20: Methyl tert-butyl ether



Original Peak Response = 27919



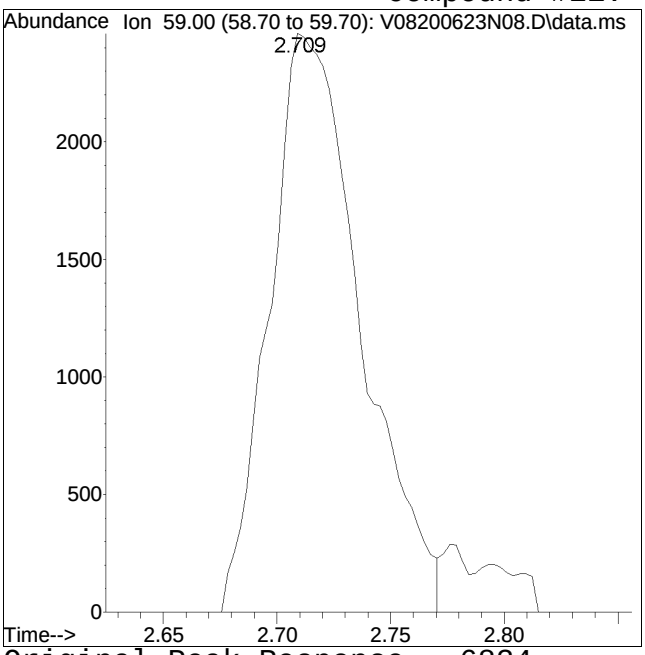
Manual Peak Response = 30865 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

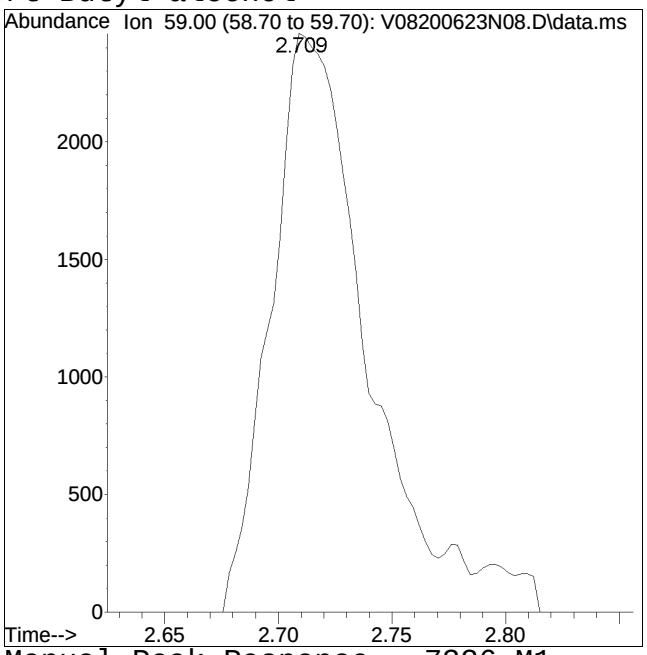
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200623N08.D Operator : VOA108:NLK
Date Inj'd : 6/23/2020 6:17 pm Instrument : VOA 108
Sample : I8260STDL2.0PPB Quant Date : 6/24/2020 10:06 am

Compound #21: tert-Butyl alcohol



Original Peak Response = 6834



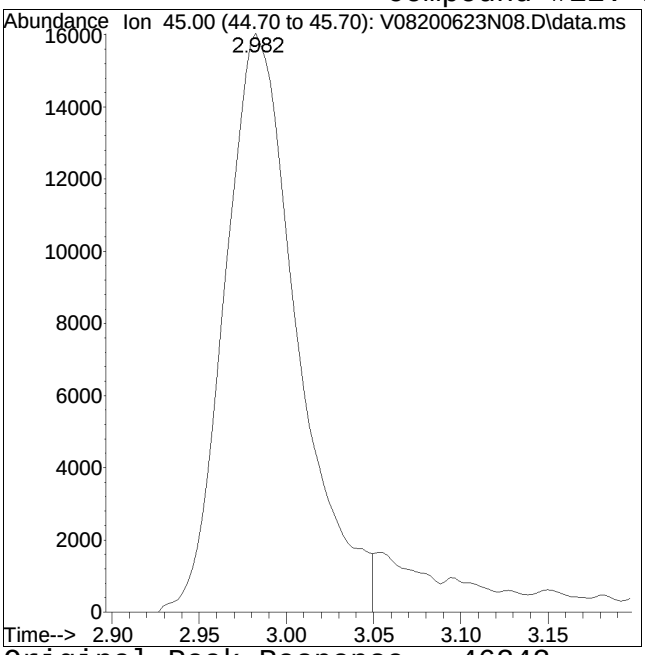
Manual Peak Response = 7326 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

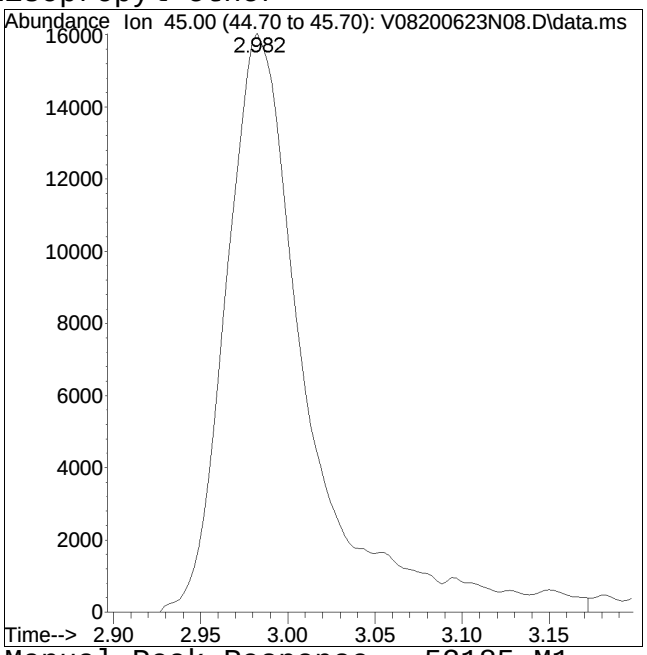
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200623N08.D Operator : VOA108:NLK
Date Inj'd : 6/23/2020 6:17 pm Instrument : VOA 108
Sample : I8260STDL2.0PPB Quant Date : 6/24/2020 10:06 am

Compound #22: Diisopropyl ether



Original Peak Response = 46242



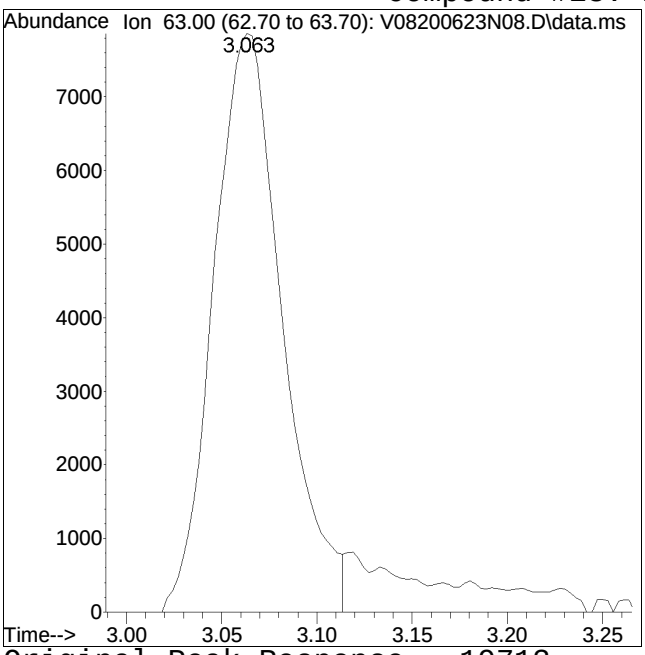
Manual Peak Response = 52185 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

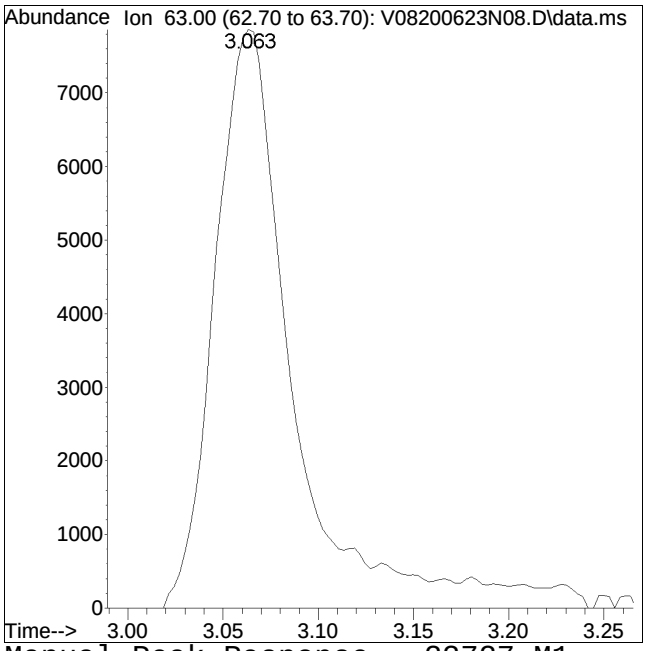
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200623N08.D Operator : VOA108:NLK
Date Inj'd : 6/23/2020 6:17 pm Instrument : VOA 108
Sample : I8260STDL2.0PPB Quant Date : 6/24/2020 10:06 am

Compound #23: 1,1-Dichloroethane



Original Peak Response = 19713



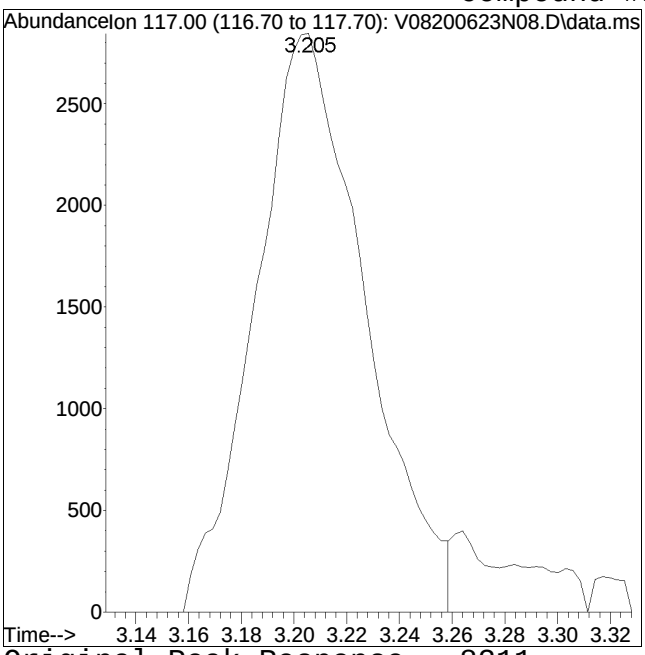
Manual Peak Response = 22727 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

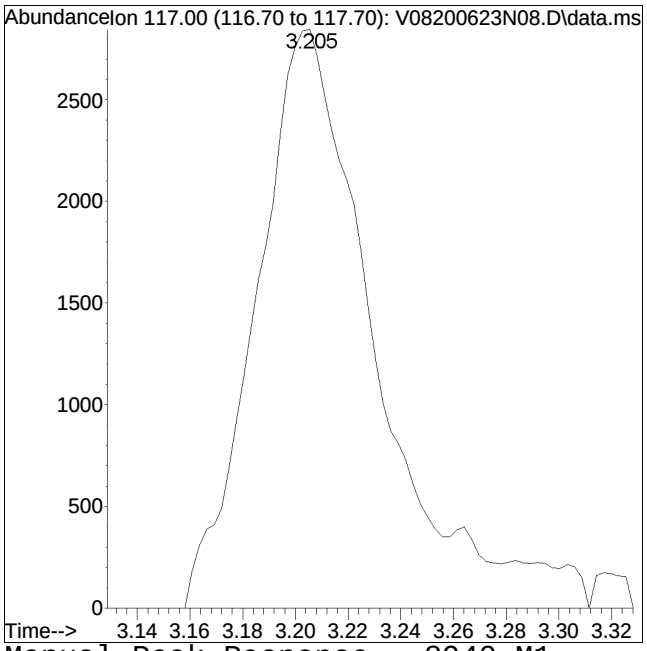
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200623N08.D Operator : VOA108:NLK
Date Inj'd : 6/23/2020 6:17 pm Instrument : VOA 108
Sample : I8260STDL2.0PPB Quant Date : 6/24/2020 10:06 am

Compound #24: Halothane



Original Peak Response = 8211



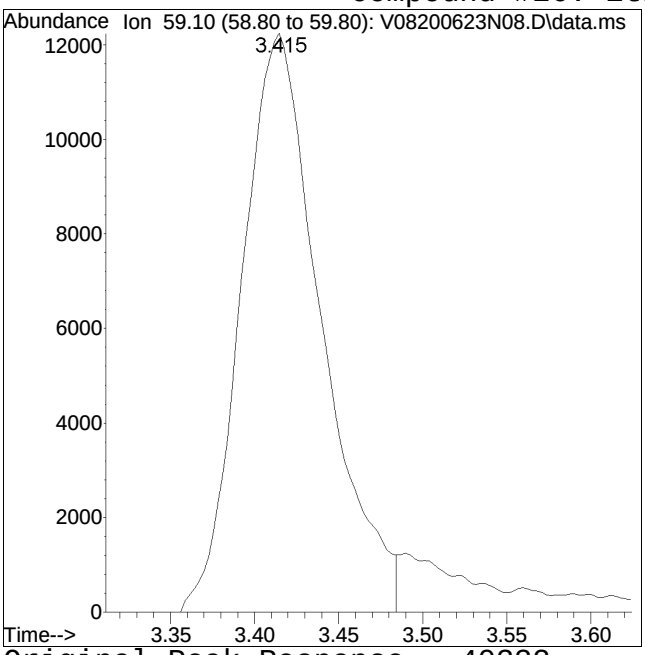
Manual Peak Response = 8940 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

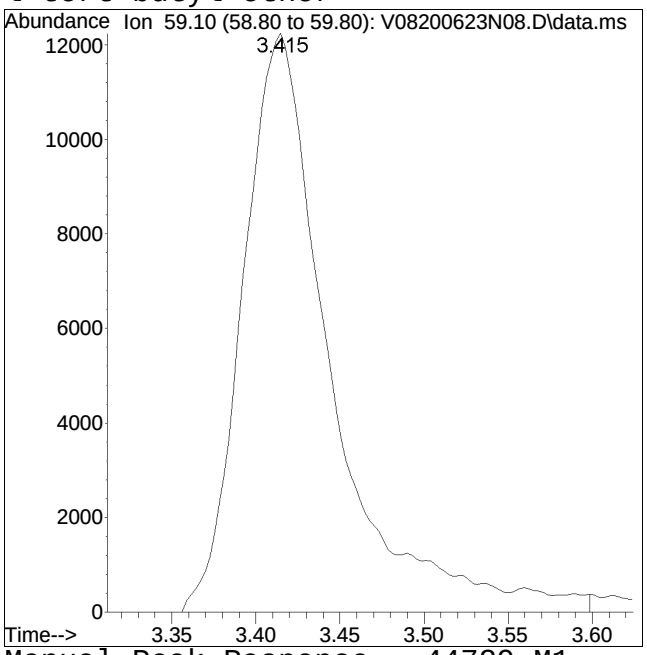
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200623N08.D Operator : VOA108:NLK
Date Inj'd : 6/23/2020 6:17 pm Instrument : VOA 108
Sample : I8260STDL2.0PPB Quant Date : 6/24/2020 10:06 am

Compound #26: Ethyl tert-butyl ether



Original Peak Response = 40332



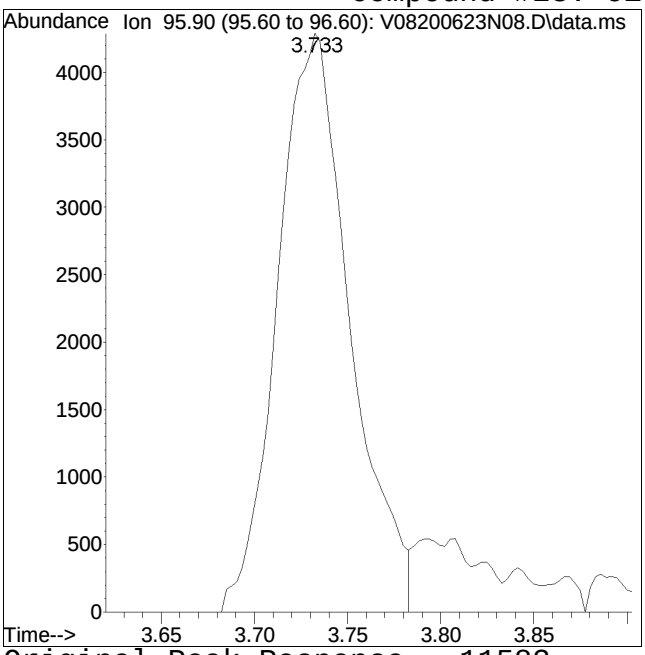
Manual Peak Response = 44729 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

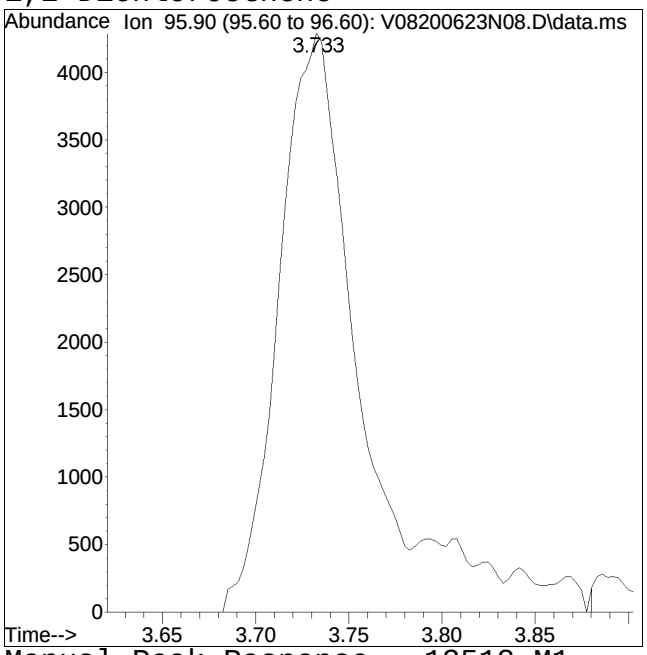
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200623N08.D Operator : VOA108:NLK
Date Inj'd : 6/23/2020 6:17 pm Instrument : VOA 108
Sample : I8260STDL2.0PPB Quant Date : 6/24/2020 10:06 am

Compound #28: cis-1,2-Dichloroethene



Original Peak Response = 11583



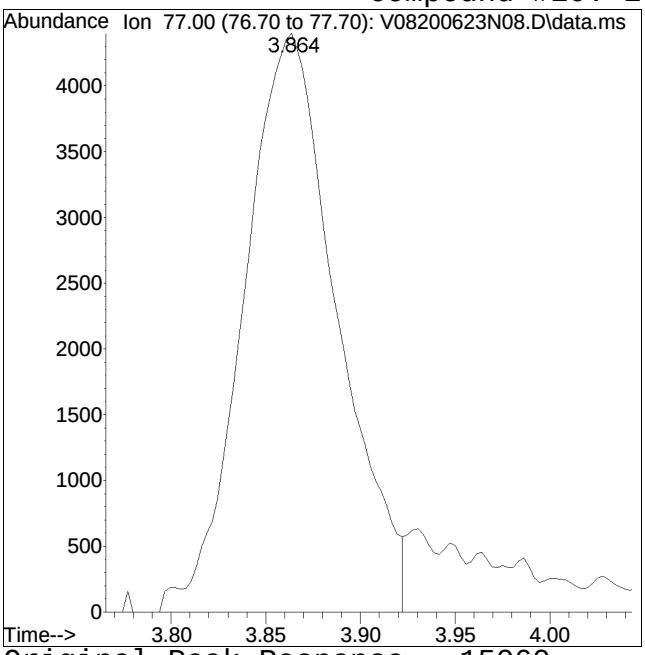
Manual Peak Response = 13512 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

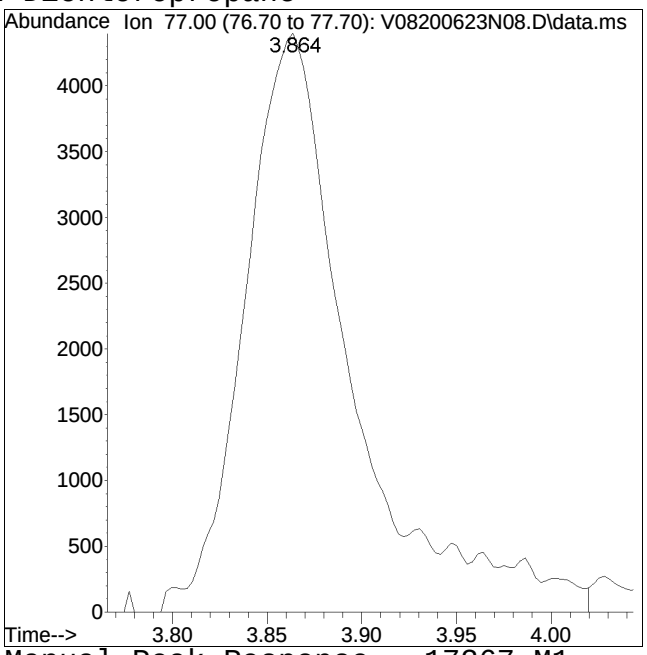
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200623N08.D Operator : VOA108:NLK
Date Inj'd : 6/23/2020 6:17 pm Instrument : VOA 108
Sample : I8260STDL2.0PPB Quant Date : 6/24/2020 10:06 am

Compound #29: 2,2-Dichloropropane



Original Peak Response = 15060



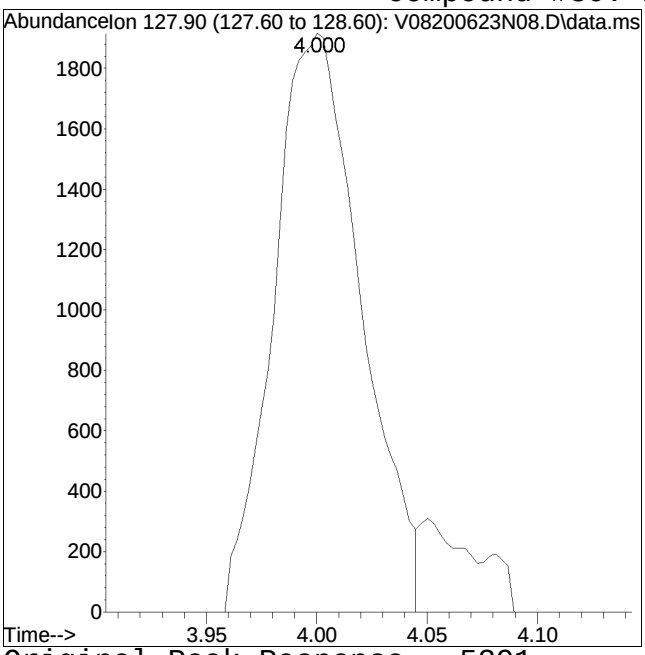
Manual Peak Response = 17267 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

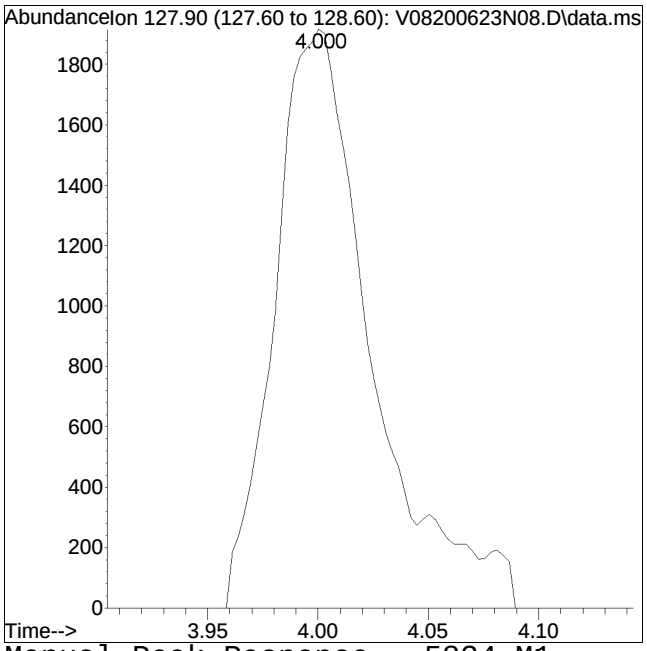
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200623N08.D Operator : VOA108:NLK
Date Inj'd : 6/23/2020 6:17 pm Instrument : VOA 108
Sample : I8260STDL2.0PPB Quant Date : 6/24/2020 10:06 am

Compound #30: Bromochloromethane



Original Peak Response = 5291



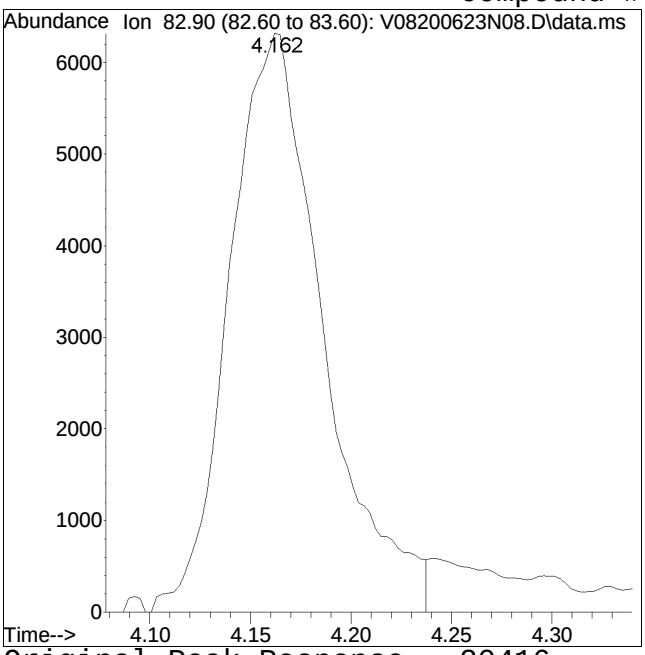
Manual Peak Response = 5834 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

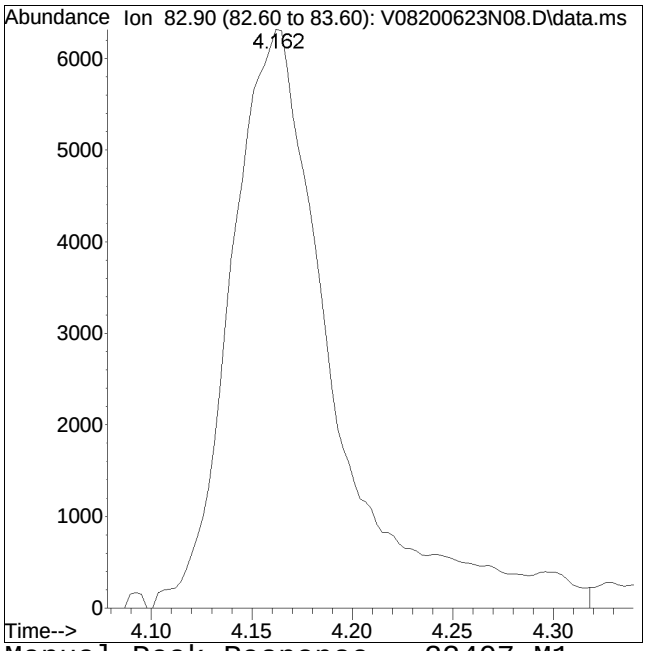
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200623N08.D Operator : VOA108:NLK
Date Inj'd : 6/23/2020 6:17 pm Instrument : VOA 108
Sample : I8260STDL2.0PPB Quant Date : 6/24/2020 10:06 am

Compound #32: Chloroform



Original Peak Response = 20416



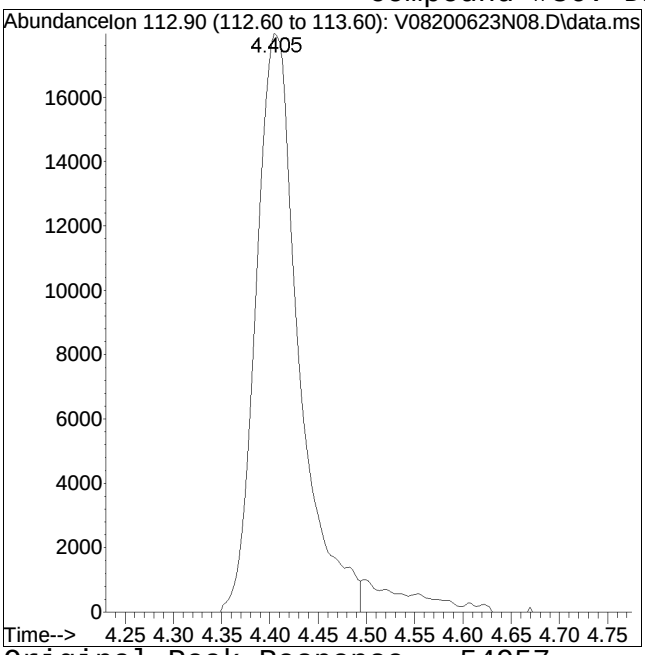
Manual Peak Response = 22407 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

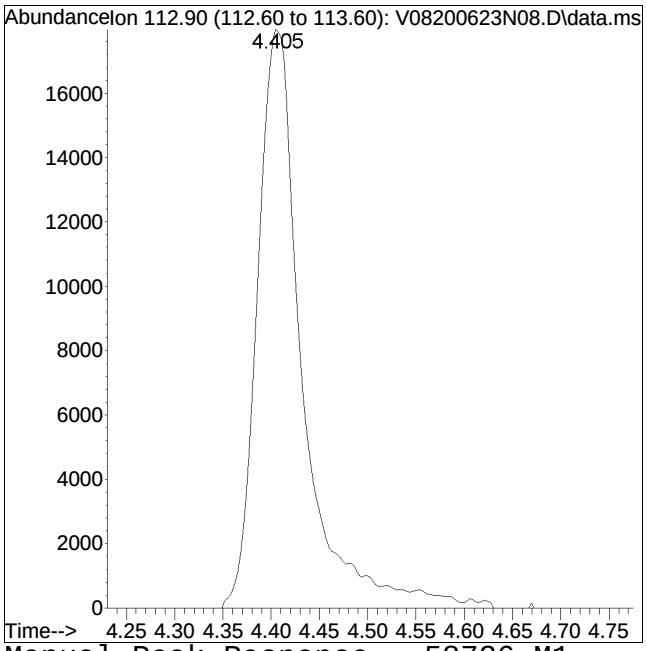
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200623N08.D Operator : VOA108:NLK
Date Inj'd : 6/23/2020 6:17 pm Instrument : VOA 108
Sample : I8260STDL2.0PPB Quant Date : 6/24/2020 10:06 am

Compound #36: Dibromofluoromethane



Original Peak Response = 54957



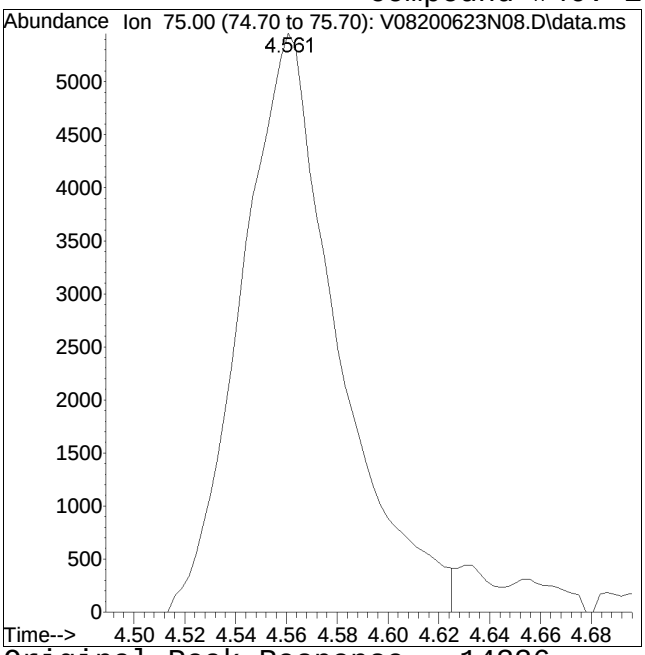
Manual Peak Response = 58726 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

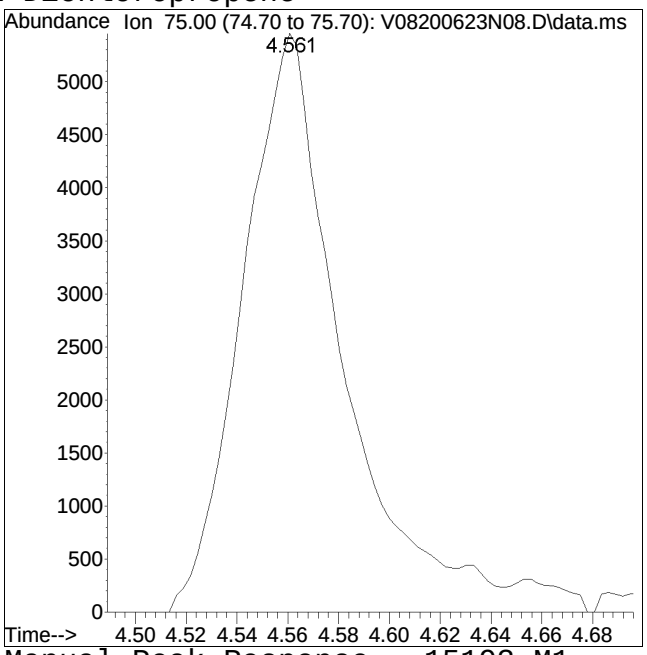
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200623N08.D Operator : VOA108:NLK
Date Inj'd : 6/23/2020 6:17 pm Instrument : VOA 108
Sample : I8260STDL2.0PPB Quant Date : 6/24/2020 10:06 am

Compound #40: 1,1-Dichloropropene



Original Peak Response = 14336



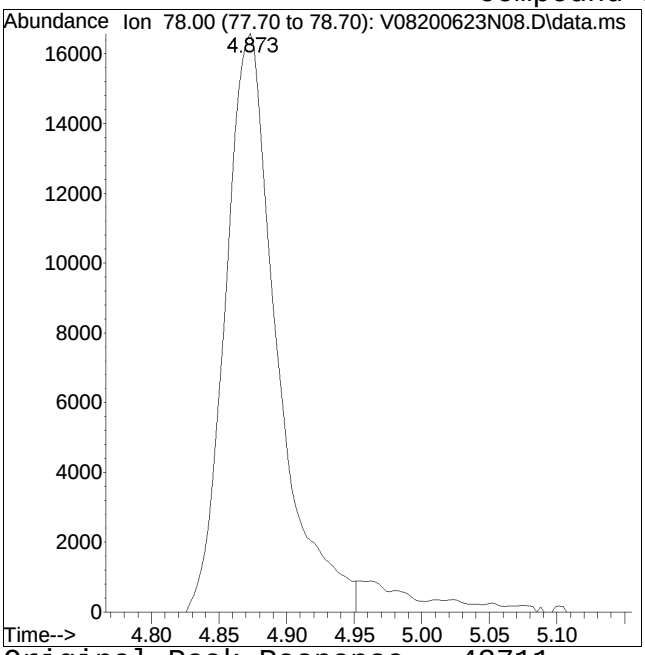
Manual Peak Response = 15193 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

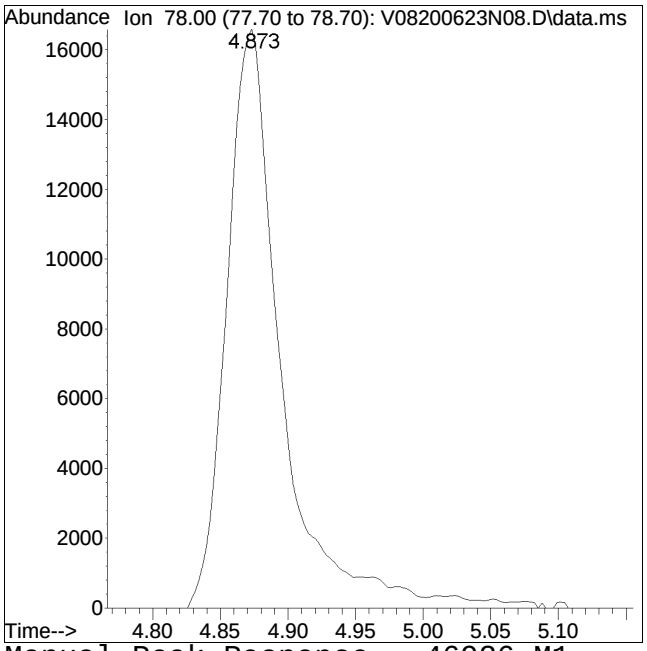
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200623N08.D Operator : VOA108:NLK
Date Inj'd : 6/23/2020 6:17 pm Instrument : VOA 108
Sample : I8260STDL2.0PPB Quant Date : 6/24/2020 10:06 am

Compound #41: Benzene



Original Peak Response = 43711



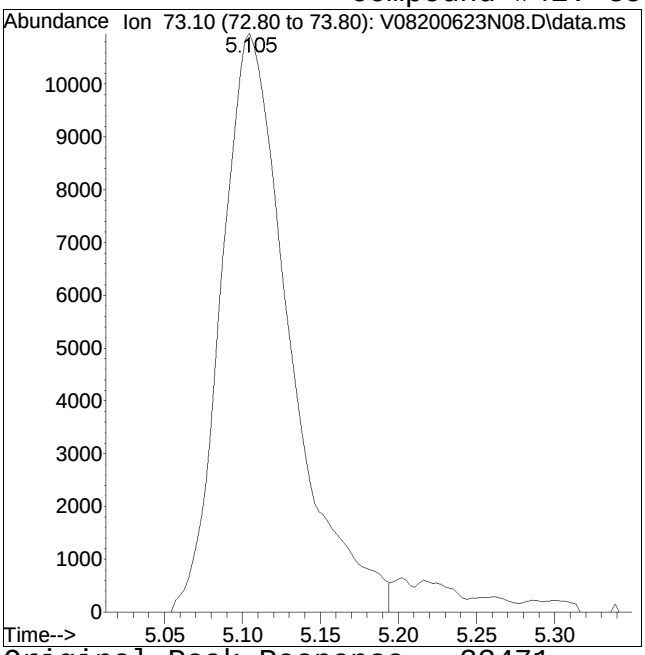
Manual Peak Response = 46926 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

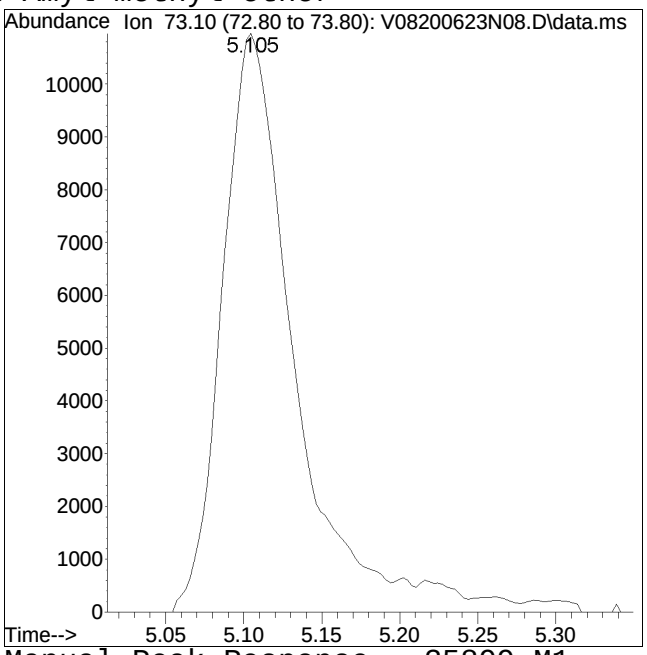
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200623N08.D Operator : VOA108:NLK
Date Inj'd : 6/23/2020 6:17 pm Instrument : VOA 108
Sample : I8260STDL2.0PPB Quant Date : 6/24/2020 10:06 am

Compound #42: tert-Amyl methyl ether



Original Peak Response = 33471



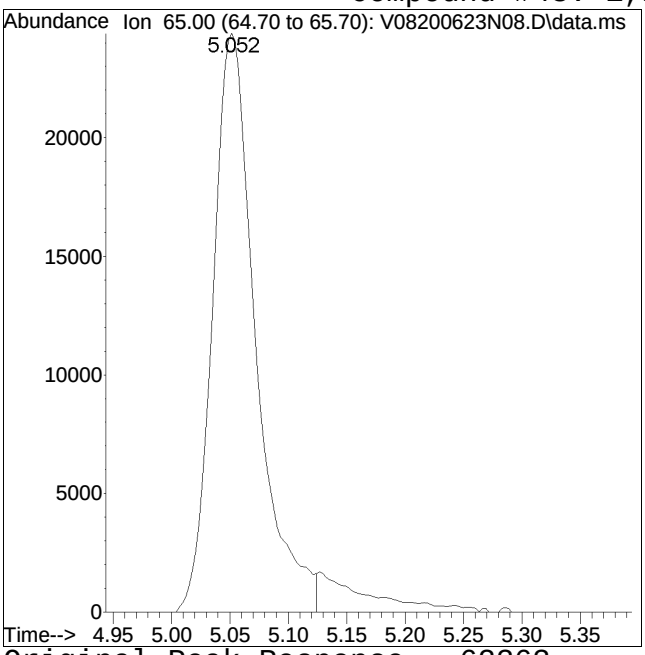
Manual Peak Response = 35899 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

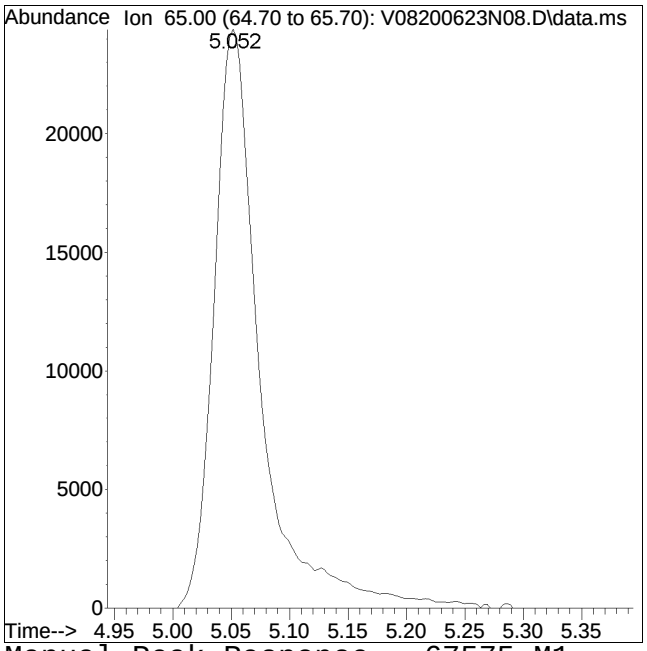
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200623N08.D Operator : VOA108:NLK
Date Inj'd : 6/23/2020 6:17 pm Instrument : VOA 108
Sample : I8260STDL2.0PPB Quant Date : 6/24/2020 10:06 am

Compound #43: 1,2-Dichloroethane-d4



Original Peak Response = 62363



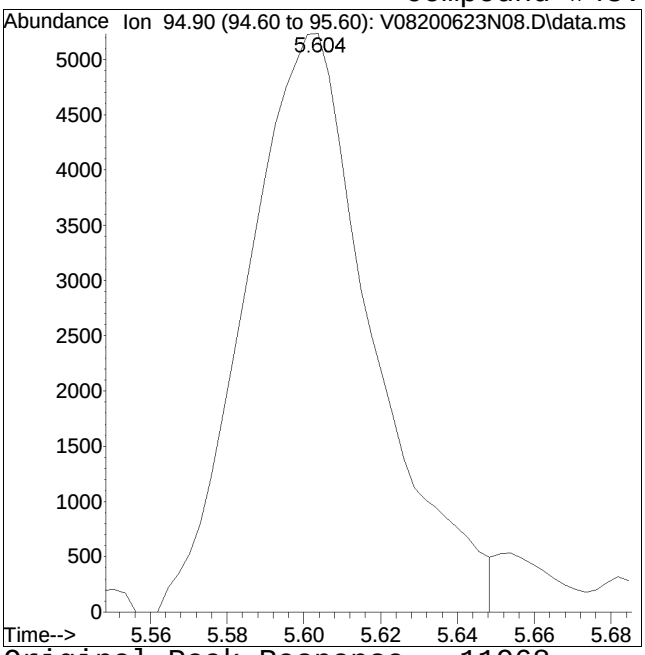
Manual Peak Response = 67575 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

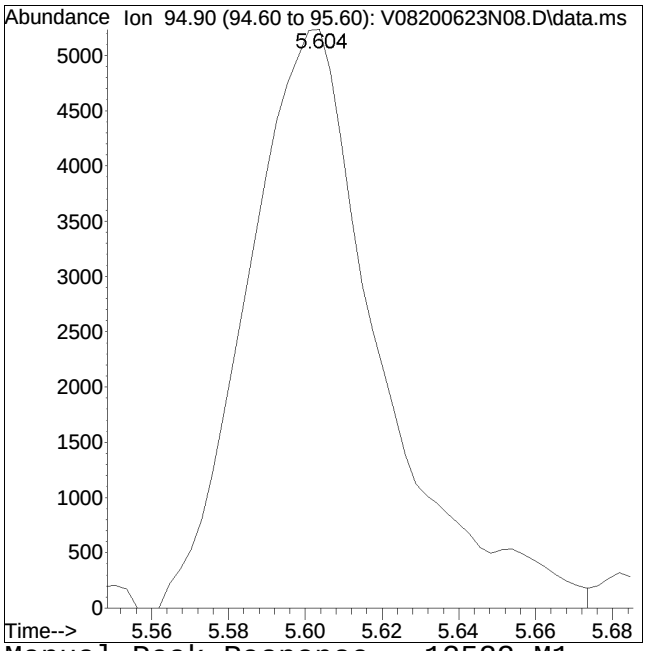
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200623N08.D Operator : VOA108:NLK
Date Inj'd : 6/23/2020 6:17 pm Instrument : VOA 108
Sample : I8260STDL2.0PPB Quant Date : 6/24/2020 10:06 am

Compound #48: Trichloroethene



Original Peak Response = 11968



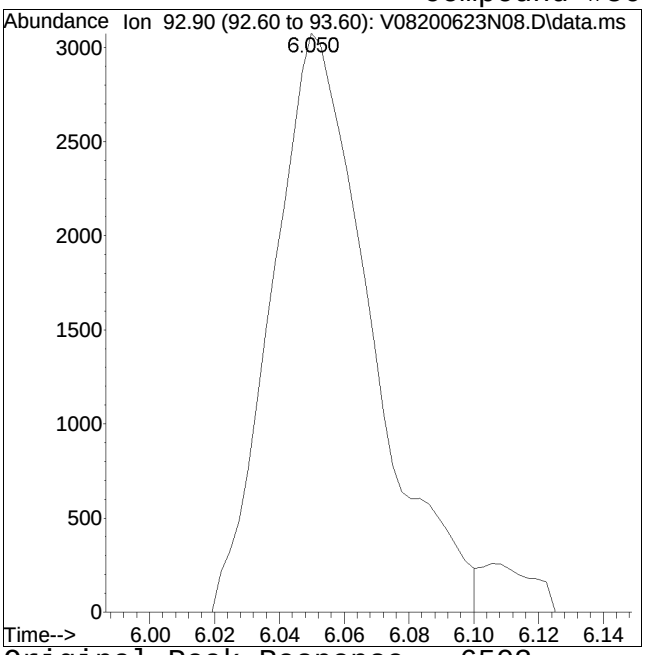
Manual Peak Response = 12522 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

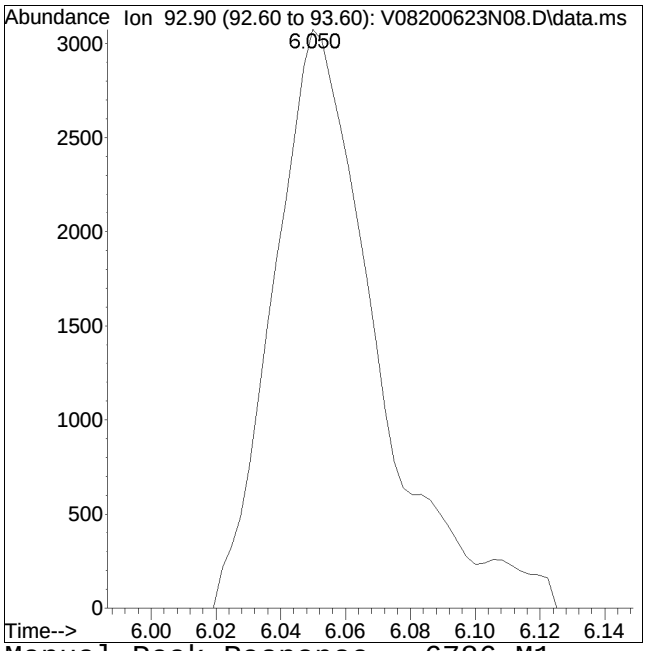
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200623N08.D Operator : VOA108:NLK
Date Inj'd : 6/23/2020 6:17 pm Instrument : VOA 108
Sample : I8260STDL2.0PPB Quant Date : 6/24/2020 10:06 am

Compound #50: Dibromomethane



Original Peak Response = 6503



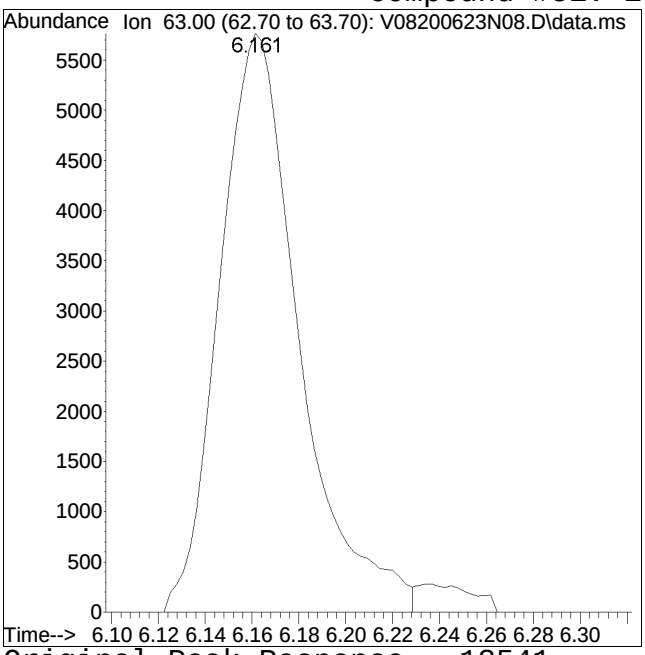
Manual Peak Response = 6786 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

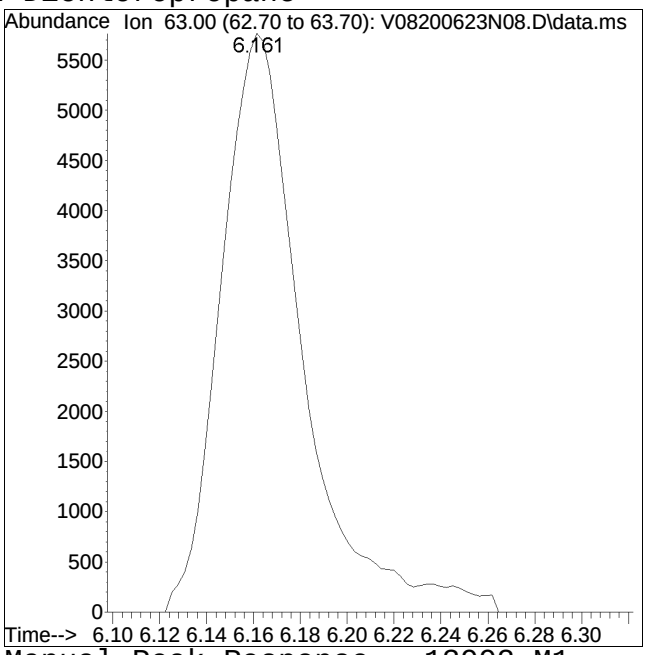
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200623N08.D Operator : VOA108:NLK
Date Inj'd : 6/23/2020 6:17 pm Instrument : VOA 108
Sample : I8260STDL2.0PPB Quant Date : 6/24/2020 10:06 am

Compound #51: 1,2-Dichloropropane



Original Peak Response = 13541



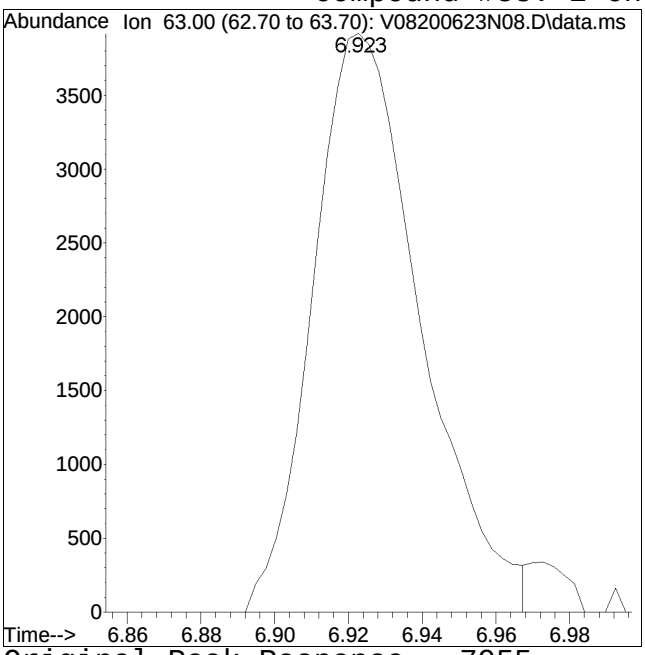
Manual Peak Response = 13992 M1

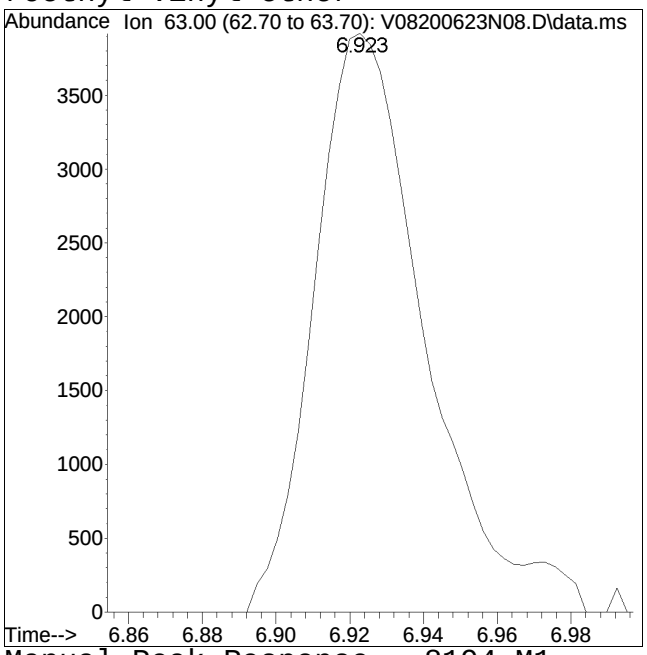
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200623N08.D Operator : VOA108:NLK
Date Inj'd : 6/23/2020 6:17 pm Instrument : VOA 108
Sample : I8260STDL2.0PPB Quant Date : 6/24/2020 10:06 am

Compound #53: 2-Chloroethyl vinyl ether



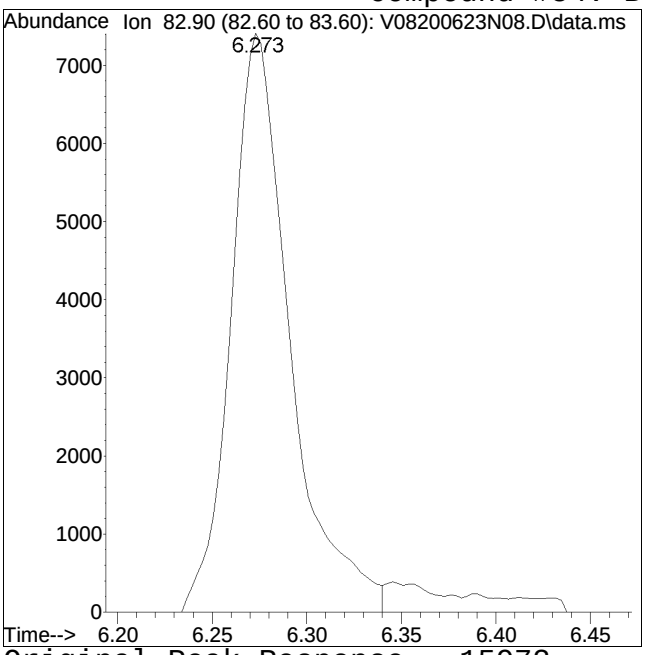


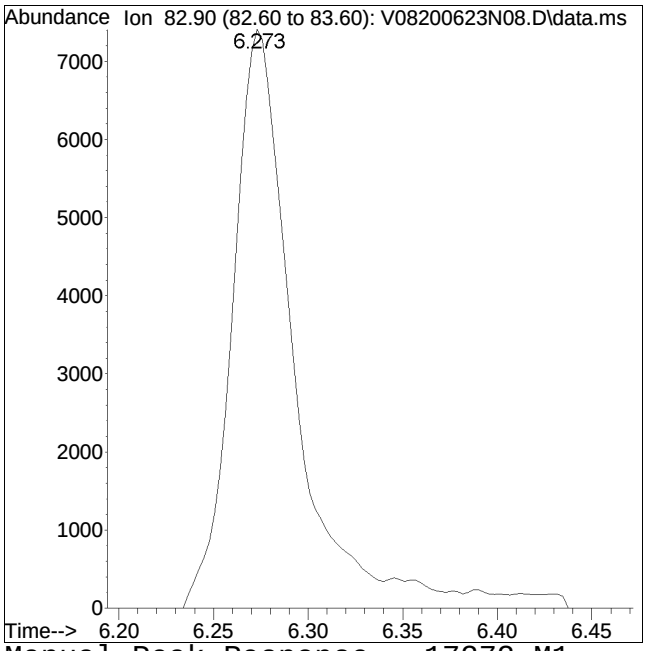
Original Peak Response = 7955 Manual Peak Response = 8194 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200623N08.D Operator : VOA108:NLK
Date Inj'd : 6/23/2020 6:17 pm Instrument : VOA 108
Sample : I8260STDL2.0PPB Quant Date : 6/24/2020 10:06 am

Compound #54: Bromodichloromethane



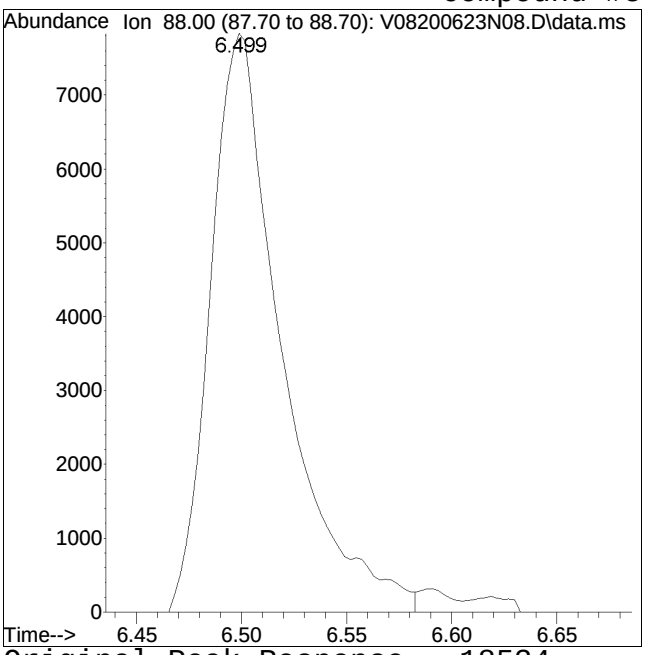


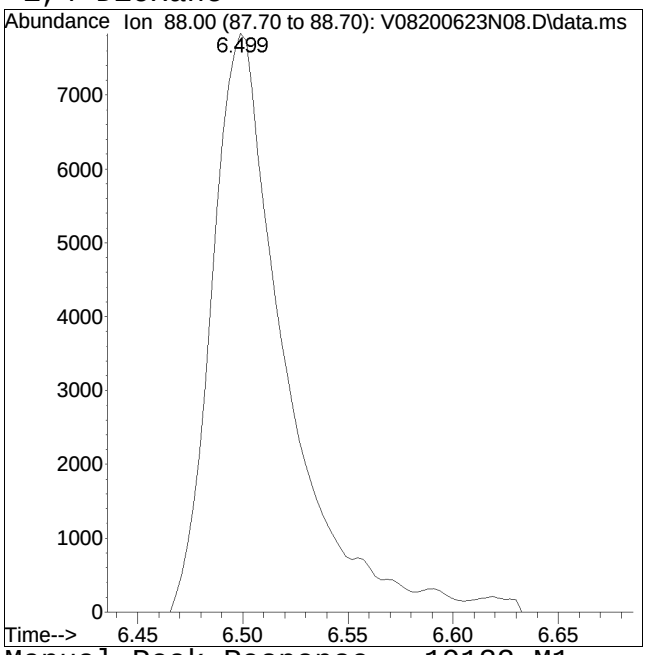
Original Peak Response = 15972 Manual Peak Response = 17272 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200623N08.D Operator : VOA108:NLK
Date Inj'd : 6/23/2020 6:17 pm Instrument : VOA 108
Sample : I8260STDL2.0PPB Quant Date : 6/24/2020 10:06 am

Compound #57: 1,4-Dioxane



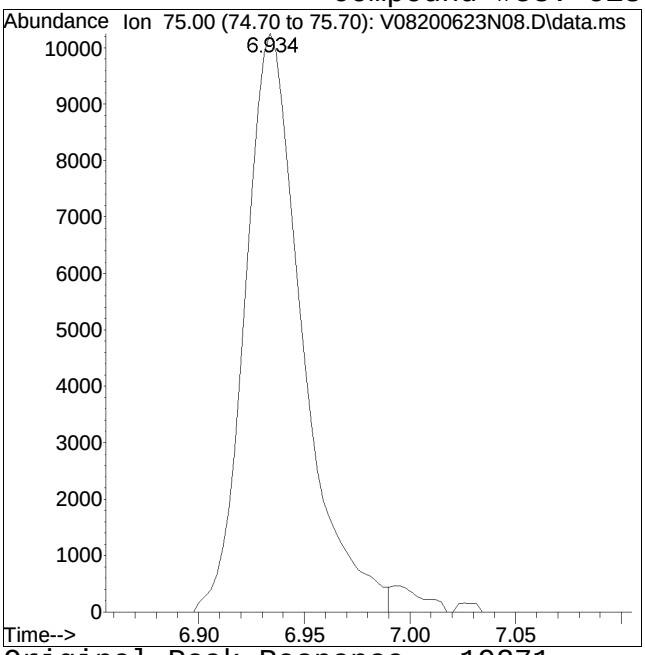


Original Peak Response = 18534 Manual Peak Response = 19132 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

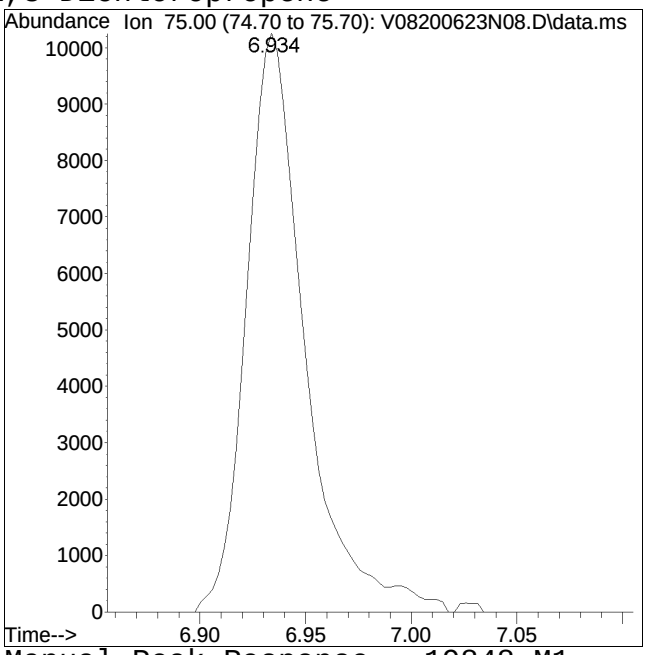
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200623N08.D Operator : VOA108:NLK
Date Inj'd : 6/23/2020 6:17 pm Instrument : VOA 108
Sample : I8260STDL2.0PPB Quant Date : 6/24/2020 10:06 am

Compound #58: cis-1,3-Dichloropropene



Original Peak Response = 19271



Manual Peak Response = 19848 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2020\200623N\
Data File : V08200623N09.D
Acq On : 23 Jun 2020 6:39 pm
Operator : VOA108:NLK
Sample : I8260STDL10.0PPB
Misc : WG1385357
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 24 10:03:38 2020
Quant Method : I:\VOLATILES\VOA108\2020\200623N\V108_200623N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon May 18 08:06:45 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2020\200623N\V08200623N09.D
Sub List : 8260-CurvePenta - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.400	96	214871	10.000	ug/L	0.00
Standard Area 1 = 214871			Recovery = 100.00%			
59) Chlorobenzene-d5	8.428	117	164408	10.000	ug/L	0.00
Standard Area 1 = 164408			Recovery = 100.00%			
79) 1,4-Dichlorobenzene-d4	9.923	152	79243	10.000	ug/L	0.00
Standard Area 1 = 79243			Recovery = 100.00%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.404	113	57131	9.986	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.86%			
43) 1,2-Dichloroethane-d4	5.051	65	60954	8.560	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 85.60%			
60) Toluene-d8	7.109	98	211361	10.039	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.39%			
83) 4-Bromofluorobenzene	9.254	95	82676	10.312	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.12%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.938	85	55078	8.580	ug/L	99
3) Chloromethane	1.053	50	79770	8.635	ug/L	97
4) Vinyl chloride	1.106	62	69989	9.074	ug/L	98
5) Bromomethane	1.304	94	33923	9.198	ug/L	95
6) Chloroethane	1.382	64	38959	9.967	ug/L	95
7) Trichlorofluoromethane	1.479	101	78222	10.127	ug/L	99
8) Ethyl ether	1.705	74	28893M1	10.466	ug/L	
10) 1,1-Dichloroethene	1.833	96	49178	10.748	ug/L #	76
11) Carbon disulfide	1.839	76	143903	10.060	ug/L	98
12) Freon-113	1.872	101	52052M1	10.662	ug/L	
13) Iodomethane	1.931	142	67467M1	14.660	ug/L	
14) Acrolein	2.098	56	8747	7.609	ug/L	100
15) Methylene chloride	2.302	84	57752	10.390	ug/L	92
17) Acetone	2.355	43	16914	10.008	ug/L	98
18) trans-1,2-Dichloroethene	2.447	96	56403	11.034	ug/L	82
19) Methyl acetate	2.480	43	45079	9.801	ug/L	97
20) Methyl tert-butyl ether	2.567	73	159100M1	12.447	ug/L	
21) tert-Butyl alcohol	2.709	59	35896M1	69.016	ug/L	
22) Diisopropyl ether	2.979	45	254683	9.816	ug/L	98
23) 1,1-Dichloroethane	3.060	63	107898	9.811	ug/L	98
24) Halothane	3.205	117	43981	10.700	ug/L	98

Data Path : I:\VOLATILES\VOA108\2020\200623N\
Data File : V08200623N09.D
Acq On : 23 Jun 2020 6:39 pm
Operator : VOA108:NLK
Sample : I8260STDL10.0PPB
Misc : WG1385357
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 24 10:03:38 2020
Quant Method : I:\VOLATILES\VOA108\2020\200623N\V108_200623N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon May 18 08:06:45 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2020\200623N\V08200623N09.D
Sub List : 8260-CurvePenta - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	3.122	53	23196M1	10.579	ug/L		
26) Ethyl tert-butyl ether	3.409	59	217659	10.567	ug/L		92
27) Vinyl acetate	3.417	43	152372	8.931	ug/L		98
28) cis-1,2-Dichloroethene	3.732	96	64833M1	11.745	ug/L		
29) 2,2-Dichloropropane	3.861	77	83140M1	12.096	ug/L		
30) Bromochloromethane	3.997	128	30824M1	11.011	ug/L		
31) Cyclohexane	3.964	56	115629	9.496	ug/L		88
32) Chloroform	4.159	83	106351M1	11.492	ug/L		
33) Ethyl acetate	4.402	43	66088	10.859	ug/L	#	95
34) Carbon tetrachloride	4.282	117	77438	11.354	ug/L		95
35) Tetrahydrofuran	4.349	42	19432M1	11.368	ug/L		
37) 1,1,1-Trichloroethane	4.379	97	97423M1	12.055	ug/L		
39) 2-Butanone	4.591	43	26534	8.762	ug/L	#	59
40) 1,1-Dichloropropene	4.558	75	73243	10.852	ug/L		95
41) Benzene	4.870	78	220255	10.499	ug/L		98
42) tert-Amyl methyl ether	5.102	73	176458M1	12.693	ug/L		
44) 1,2-Dichloroethane	5.132	62	85091	10.316	ug/L		98
47) Methyl cyclohexane	5.559	83	99462M1	10.987	ug/L		
48) Trichloroethene	5.598	95	62623M1	11.489	ug/L		
50) Dibromomethane	6.047	93	33932	10.657	ug/L		97
51) 1,2-Dichloropropane	6.159	63	66277	10.021	ug/L	#	91
53) 2-Chloroethyl vinyl ether	6.923	63	43093	10.799	ug/L		94
54) Bromodichloromethane	6.273	83	82143	11.079	ug/L		98
57) 1,4-Dioxane	6.496	88	22967M1	533.835	ug/L		
58) cis-1,3-Dichloropropene	6.931	75	95093	11.149	ug/L		95
61) Toluene	7.157	92	146137	11.150	ug/L		95
62) 4-Methyl-2-pentanone	7.572	58	25524	11.179	ug/L	#	83
63) Tetrachloroethene	7.522	166	62203	10.462	ug/L		89
65) trans-1,3-Dichloropropene	7.595	75	83817	11.517	ug/L		90
67) Ethyl methacrylate	7.787	69	70336	11.900	ug/L		99
68) 1,1,2-Trichloroethane	7.729	83	42777	11.392	ug/L		92
69) Chlorodibromomethane	7.865	129	63156	11.241	ug/L		96
70) 1,3-Dichloropropane	7.940	76	85278	10.951	ug/L		100
71) 1,2-Dibromoethane	8.024	107	51620	11.876	ug/L		97
72) 2-Hexanone	8.270	43	47427	11.202	ug/L		98
73) Chlorobenzene	8.440	112	165269	11.513	ug/L		89
74) Ethylbenzene	8.481	91	273870	11.319	ug/L		97
75) 1,1,1,2-Tetrachloroethane	8.501	131	62017	11.475	ug/L		94
76) p/m Xylene	8.590	106	218346	23.907	ug/L		92
77) o Xylene	8.875	106	220404	24.855	ug/L		84

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2020\200623N\
Data File : V08200623N09.D
Acq On : 23 Jun 2020 6:39 pm
Operator : VOA108:NLK
Sample : I8260STDL10.0PPB
Misc : WG1385357
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 24 10:03:38 2020
Quant Method : I:\VOLATILES\VOA108\2020\200623N\V108_200623N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon May 18 08:06:45 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2020\200623N\V08200623N09.D
Sub List : 8260-CurvePenta - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Styrene	8.914	104	356237	22.320	ug/L	88
80) Bromoform	8.916	173	34689	10.742	ug/L	96
82) Isopropylbenzene	9.087	105	275113	11.113	ug/L	94
84) Bromobenzene	9.310	156	65521	10.979	ug/L	98
85) n-Propylbenzene	9.346	91	314119	10.908	ug/L	92
86) 1,4-Dichlorobutane	9.352	55	102625	9.618	ug/L	94
87) 1,1,2,2-Tetrachloroethane	9.402	83	62866	11.039	ug/L	99
88) 4-Ethyltoluene	9.416	105	271960	11.510	ug/L	94
89) 2-Chlorotoluene	9.430	91	217214	10.832	ug/L	93
90) 1,3,5-Trimethylbenzene	9.471	105	227442	11.496	ug/L	87
91) 1,2,3-Trichloropropane	9.469	75	47122	9.984	ug/L	95
92) trans-1,4-Dichloro-2-b...	9.502	53	21457	11.059	ug/L	93
93) 4-Chlorotoluene	9.533	91	197459	11.178	ug/L	94
94) tert-Butylbenzene	9.655	119	242692	11.885	ug/L	89
95) Pentachloroethane	9.667	167	39659	12.003	ug/L	90
97) 1,2,4-Trimethylbenzene	9.700	105	225364	11.529	ug/L	89
98) sec-Butylbenzene	9.761	105	284763	11.198	ug/L	97
99) p-Isopropyltoluene	9.848	119	259913	12.215	ug/L	94
100) 1,3-Dichlorobenzene	9.879	146	130613	11.345	ug/L	99
101) 1,4-Dichlorobenzene	9.932	146	130991	11.022	ug/L	99
102) p-Diethylbenzene	10.060	119	154453	12.245	ug/L	91
103) n-Butylbenzene	10.091	91	218906	11.282	ug/L	98
104) 1,2-Dichlorobenzene	10.174	146	123493	11.422	ug/L	98
105) 1,2,4,5-Tetramethylben...	10.514	119	245071	12.390	ug/L	97
106) 1,2-Dibromo-3-chloropr...	10.629	155	9713	11.994	ug/L	94
107) 1,3,5-Trichlorobenzene	10.645	180	83101	10.956	ug/L	95
108) Hexachlorobutadiene	10.991	225	29243	10.124	ug/L	95
109) 1,2,4-Trichlorobenzene	11.005	180	75466	11.807	ug/L	96
110) Naphthalene	11.184	128	193618	12.244	ug/L	100
111) 1,2,3-Trichlorobenzene	11.287	180	67223	11.382	ug/L	97

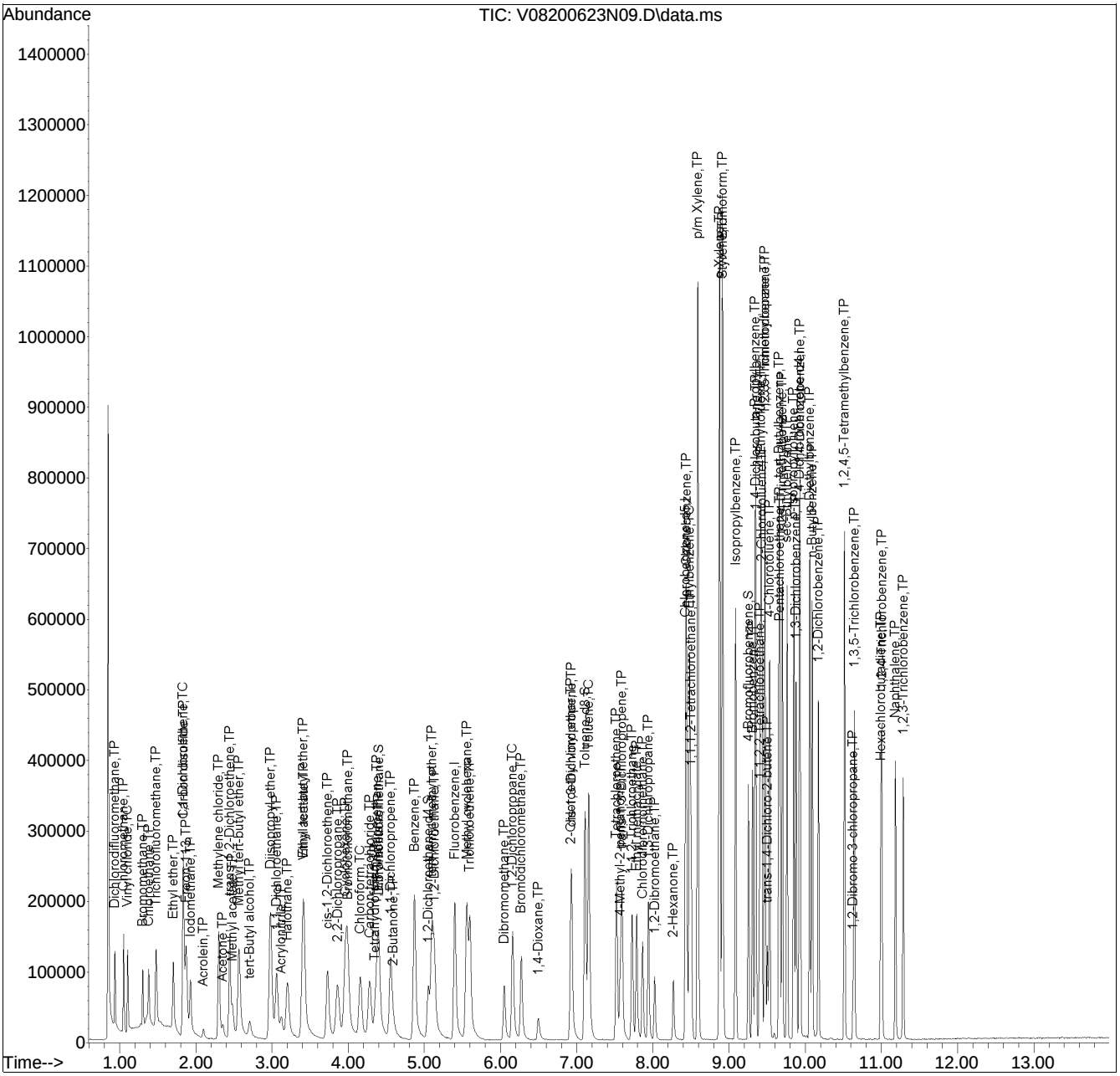
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2020\200623N\
Data File : V08200623N09.D
Acq On : 23 Jun 2020 6:39 pm
Operator : VOA108:NLK
Sample : I8260STDL10.0PPB
Misc : WG1385357
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 24 10:03:38 2020
Quant Method : I:\VOLATILES\VOA108\2020\200623N\V108_200623N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon May 18 08:06:45 2020
Response via : Initial Calibration

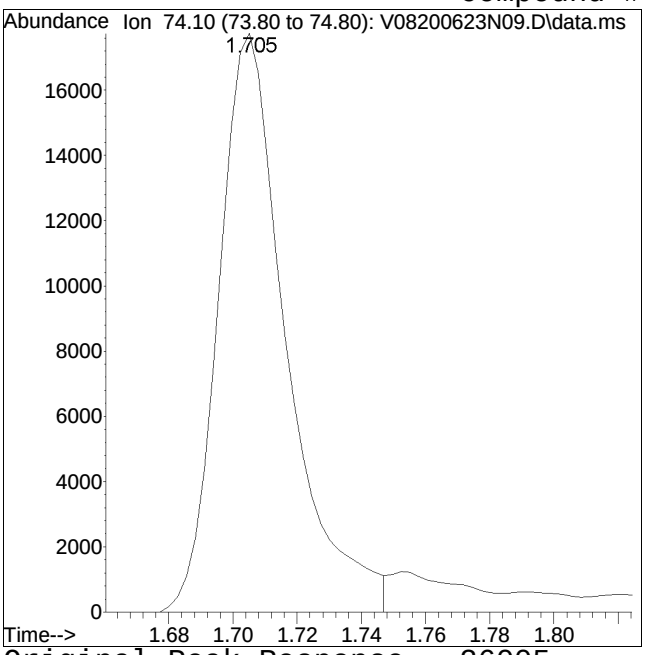
Sub List : 8260-CurvePenta - All compounds listed08200623N09.D•



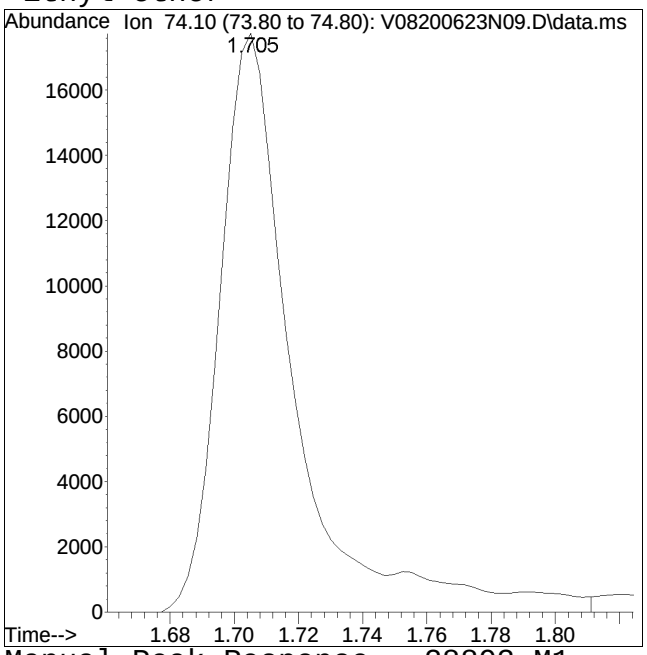
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200623N09.D Operator : VOA108:NLK
Date Inj'd : 6/23/2020 6:39 pm Instrument : VOA 108
Sample : I8260STDL10.0PPB Quant Date : 6/24/2020 10:00 am

Compound #8: Ethyl ether



Original Peak Response = 26005



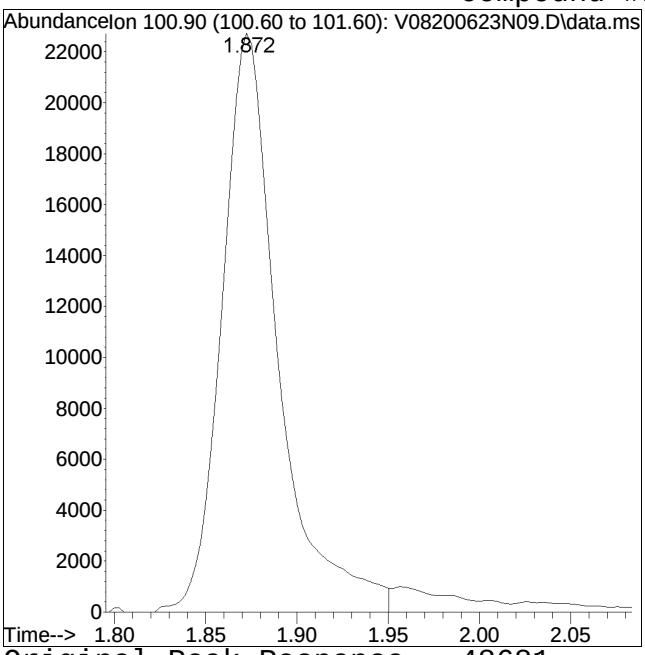
Manual Peak Response = 28893 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

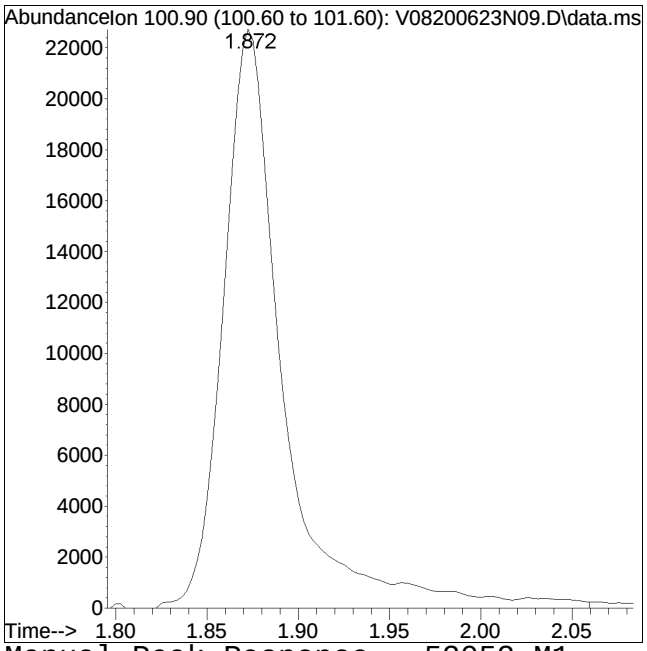
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200623N09.D Operator : VOA108:NLK
Date Inj'd : 6/23/2020 6:39 pm Instrument : VOA 108
Sample : I8260STDL10.0PPB Quant Date : 6/24/2020 10:00 am

Compound #12: Freon-113



Original Peak Response = 48681



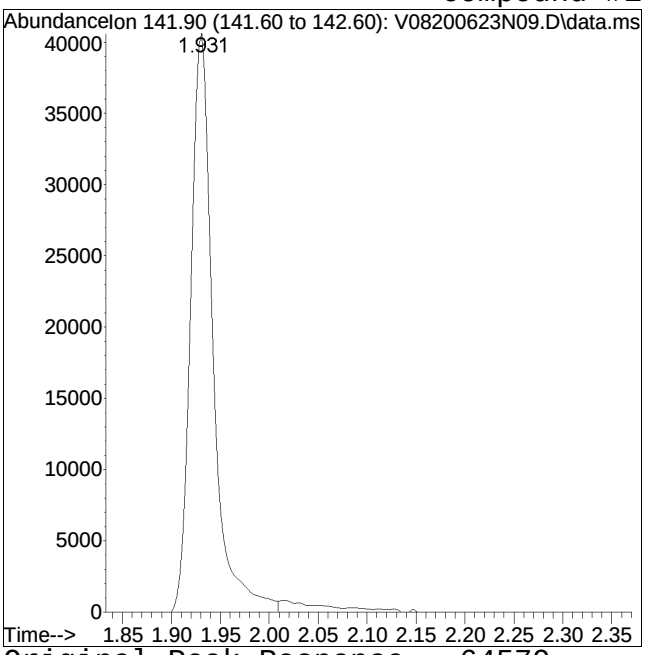
Manual Peak Response = 52052 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

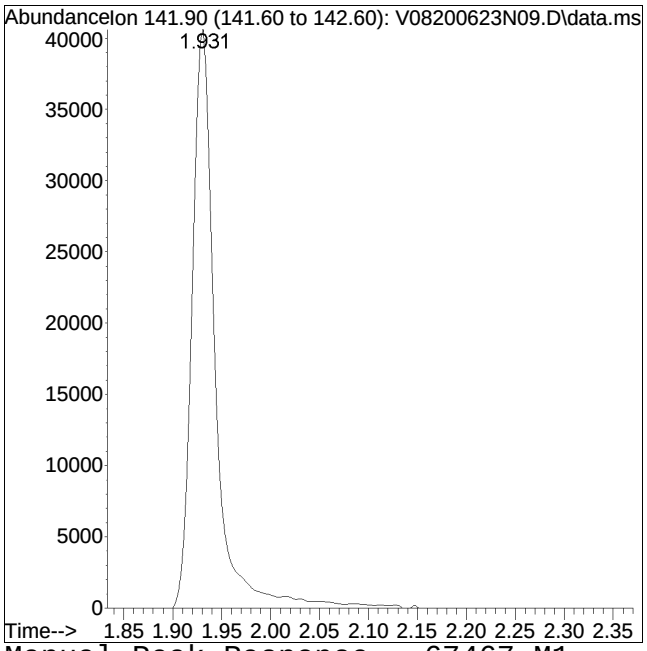
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200623N09.D Operator : VOA108:NLK
Date Inj'd : 6/23/2020 6:39 pm Instrument : VOA 108
Sample : I8260STDL10.0PPB Quant Date : 6/24/2020 10:00 am

Compound #13: Iodomethane



Original Peak Response = 64579



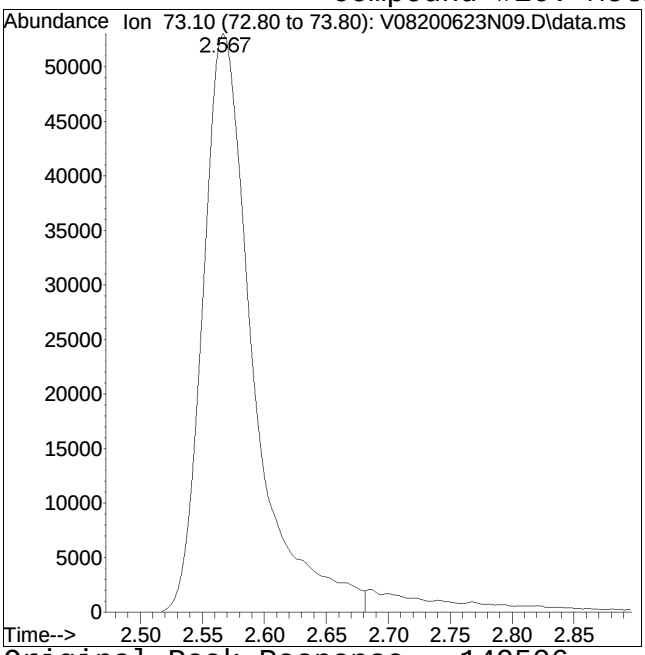
Manual Peak Response = 67467 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

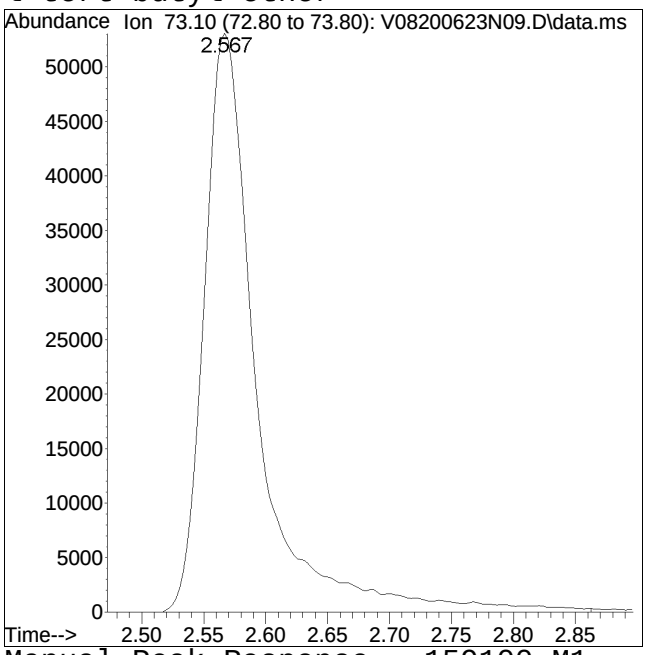
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200623N09.D Operator : VOA108:NLK
Date Inj'd : 6/23/2020 6:39 pm Instrument : VOA 108
Sample : I8260STDL10.0PPB Quant Date : 6/24/2020 10:00 am

Compound #20: Methyl tert-butyl ether



Original Peak Response = 149506



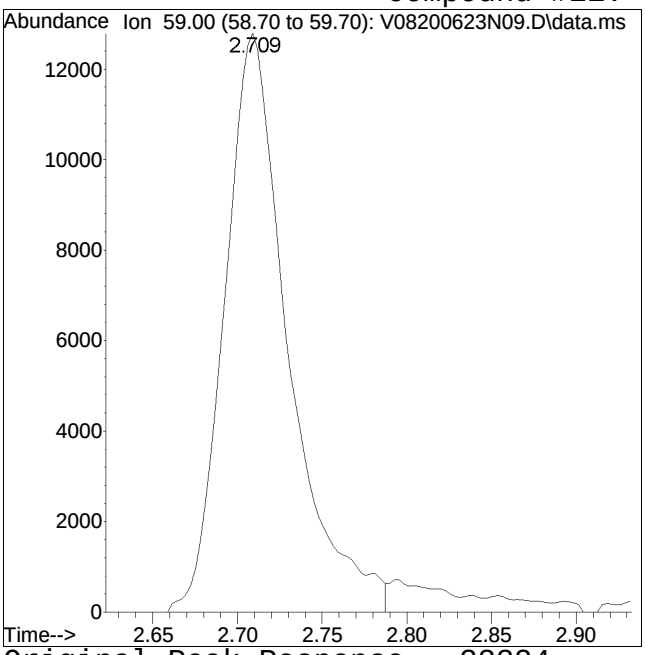
Manual Peak Response = 159100 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

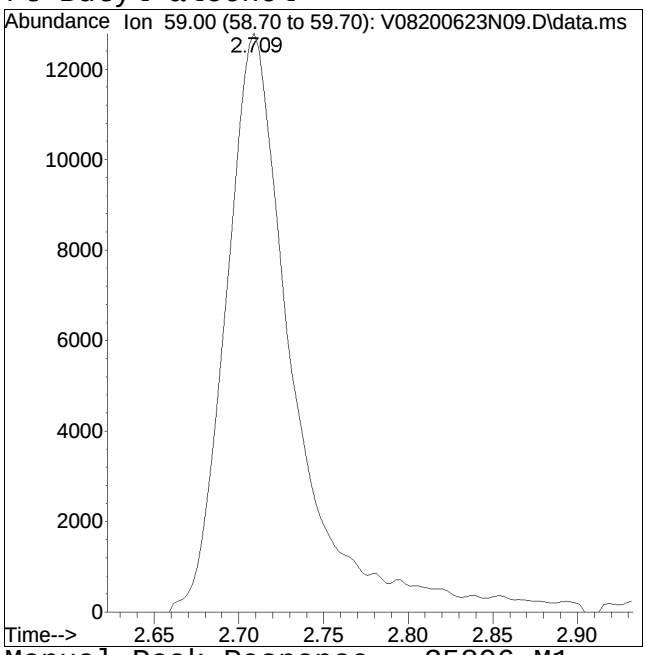
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200623N09.D Operator : VOA108:NLK
Date Inj'd : 6/23/2020 6:39 pm Instrument : VOA 108
Sample : I8260STDL10.0PPB Quant Date : 6/24/2020 10:00 am

Compound #21: tert-Butyl alcohol



Original Peak Response = 33324



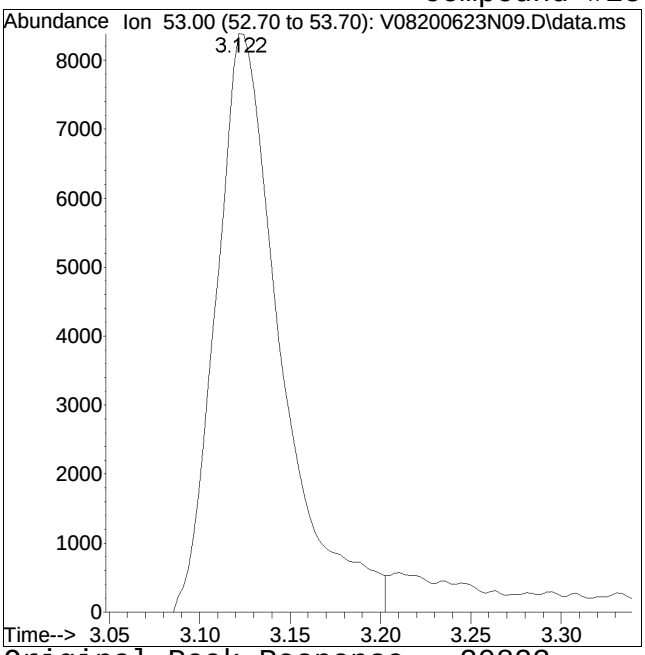
Manual Peak Response = 35896 M1

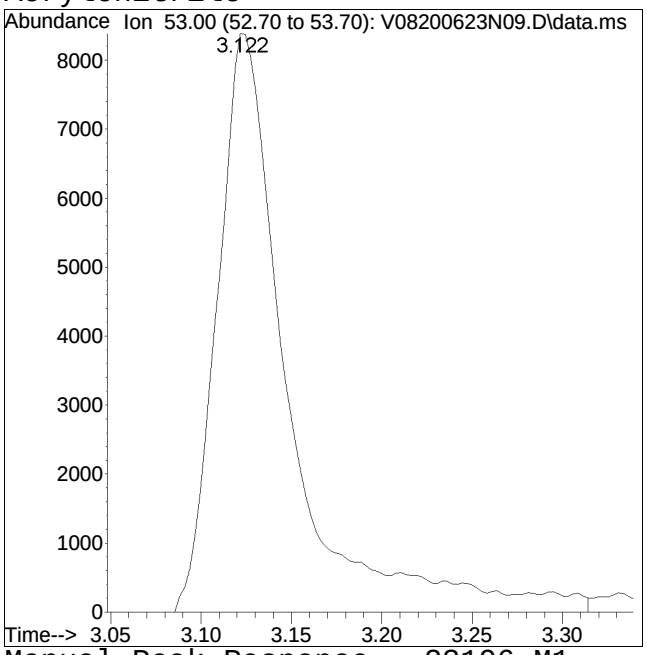
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200623N09.D Operator : VOA108:NLK
Date Inj'd : 6/23/2020 6:39 pm Instrument : VOA 108
Sample : I8260STDL10.0PPB Quant Date : 6/24/2020 10:00 am

Compound #25: Acrylonitrile



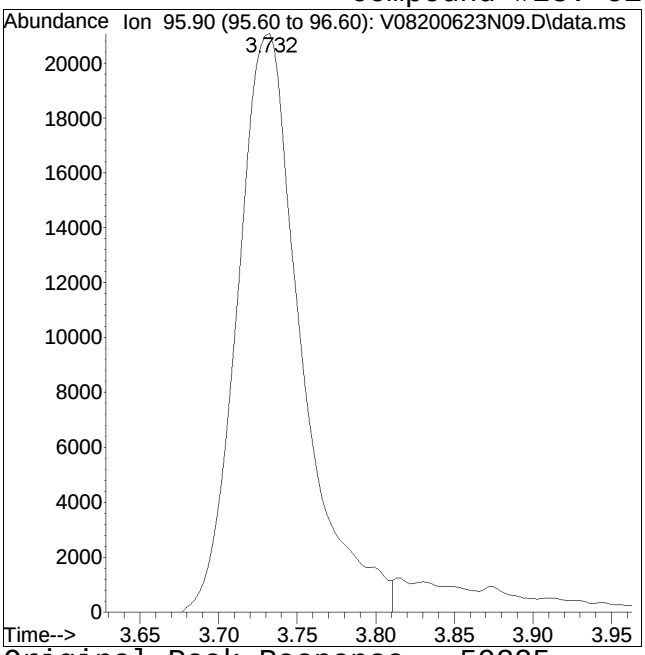


Original Peak Response = 20823 Manual Peak Response = 23196 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

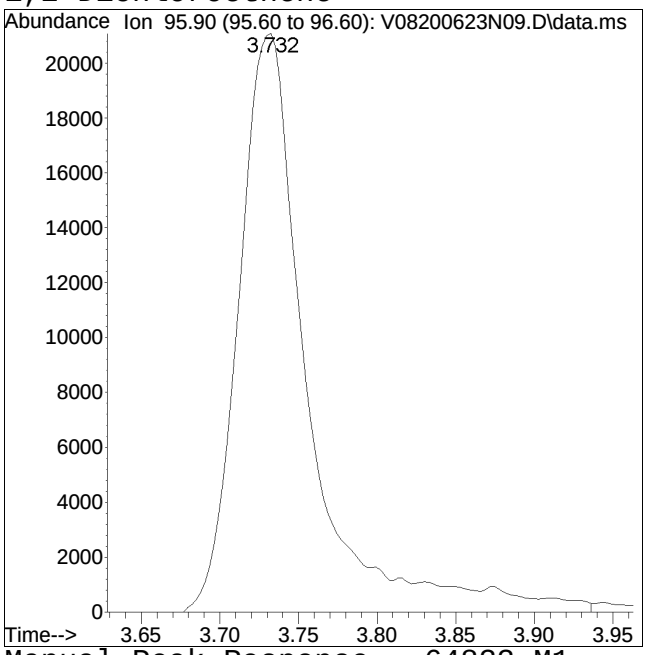
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200623N09.D Operator : VOA108:NLK
Date Inj'd : 6/23/2020 6:39 pm Instrument : VOA 108
Sample : I8260STDL10.0PPB Quant Date : 6/24/2020 10:00 am

Compound #28: cis-1,2-Dichloroethene



Original Peak Response = 59225



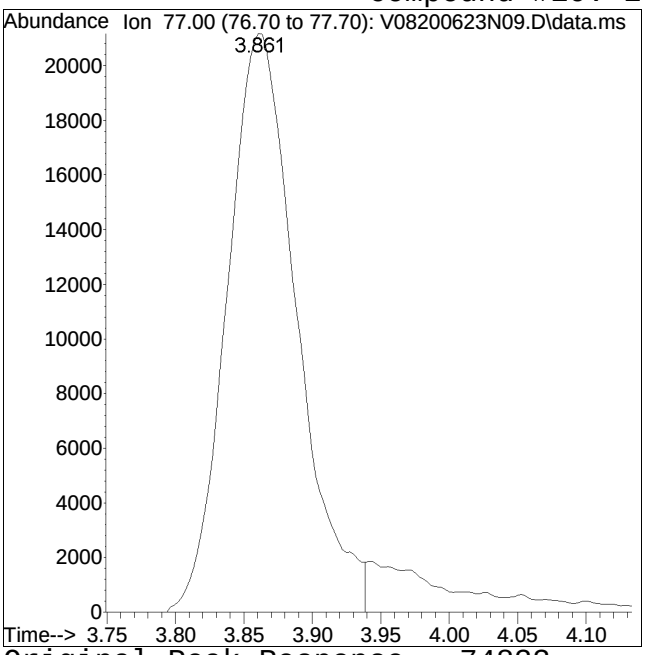
Manual Peak Response = 64833 M1

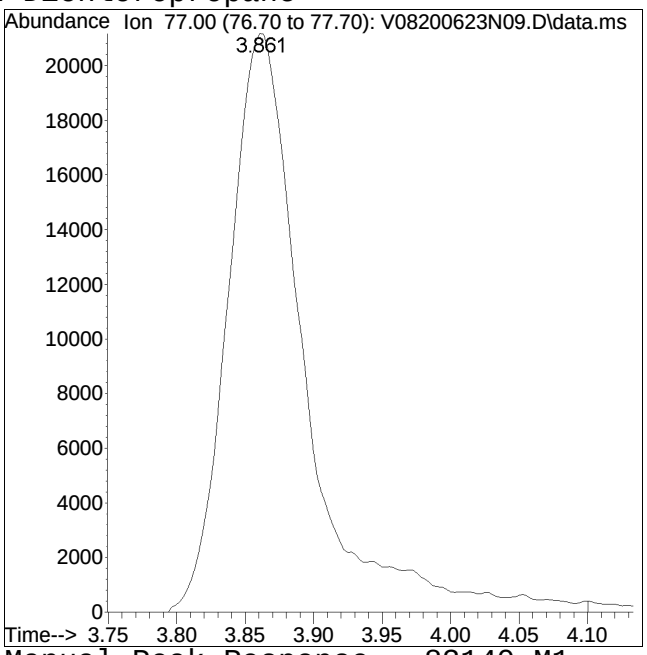
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200623N09.D Operator : VOA108:NLK
Date Inj'd : 6/23/2020 6:39 pm Instrument : VOA 108
Sample : I8260STDL10.0PPB Quant Date : 6/24/2020 10:00 am

Compound #29: 2,2-Dichloropropane



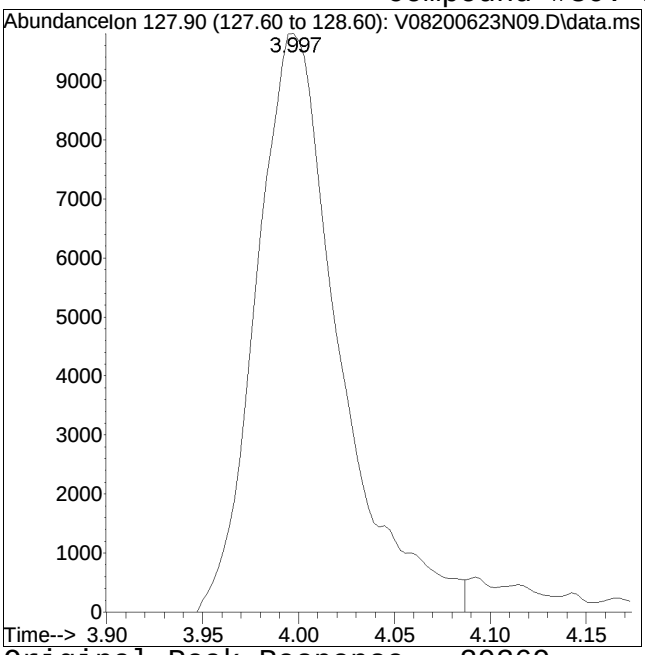


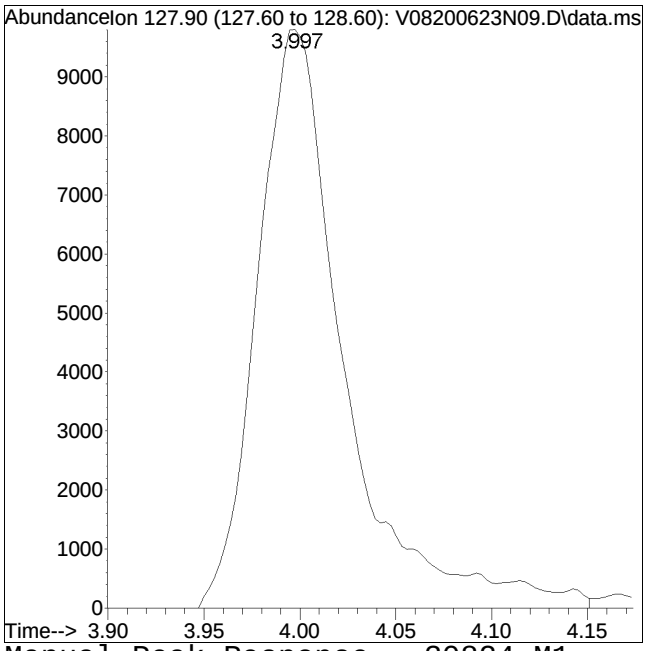
Original Peak Response = 74833 Manual Peak Response = 83140 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200623N09.D Operator : VOA108:NLK
Date Inj'd : 6/23/2020 6:39 pm Instrument : VOA 108
Sample : I8260STDL10.0PPB Quant Date : 6/24/2020 10:00 am

Compound #30: Bromochloromethane



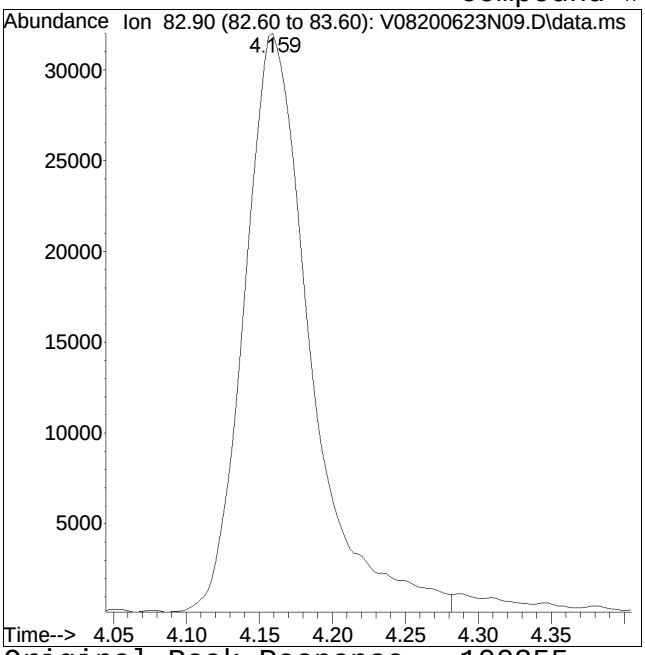


Original Peak Response = 29369 Manual Peak Response = 30824 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

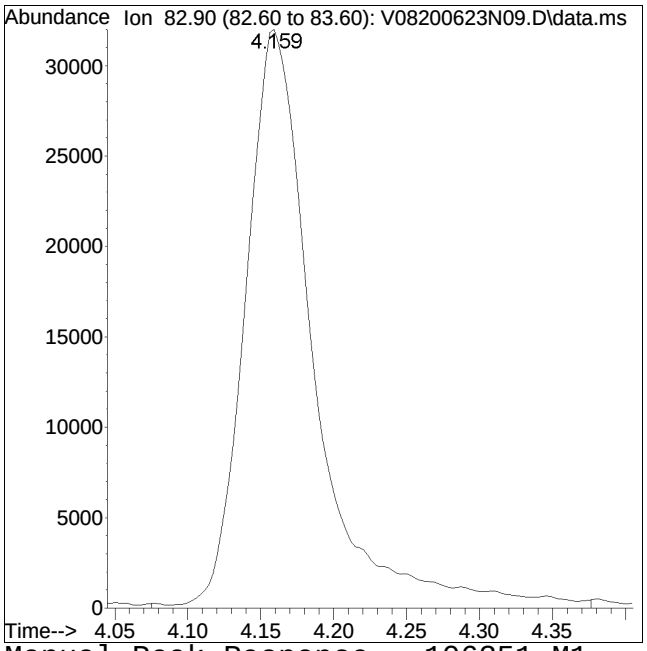
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200623N09.D Operator : VOA108:NLK
Date Inj'd : 6/23/2020 6:39 pm Instrument : VOA 108
Sample : I8260STDL10.0PPB Quant Date : 6/24/2020 10:00 am

Compound #32: Chloroform



Original Peak Response = 100355



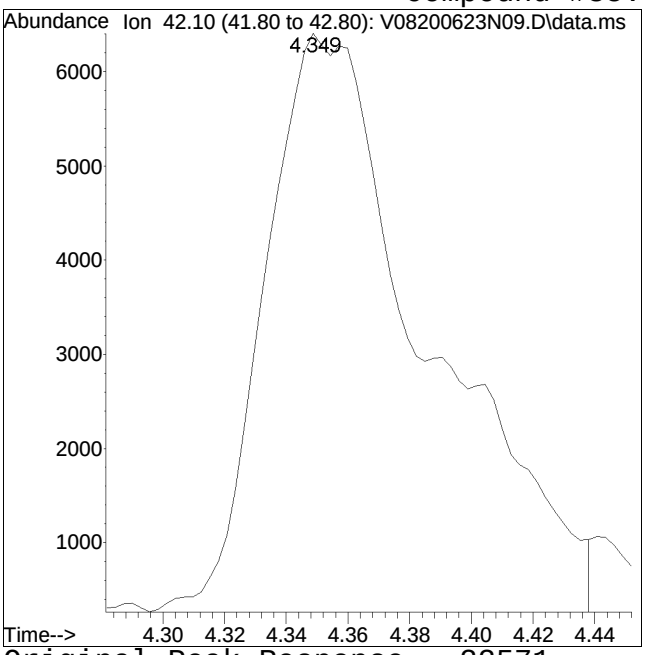
Manual Peak Response = 106351 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

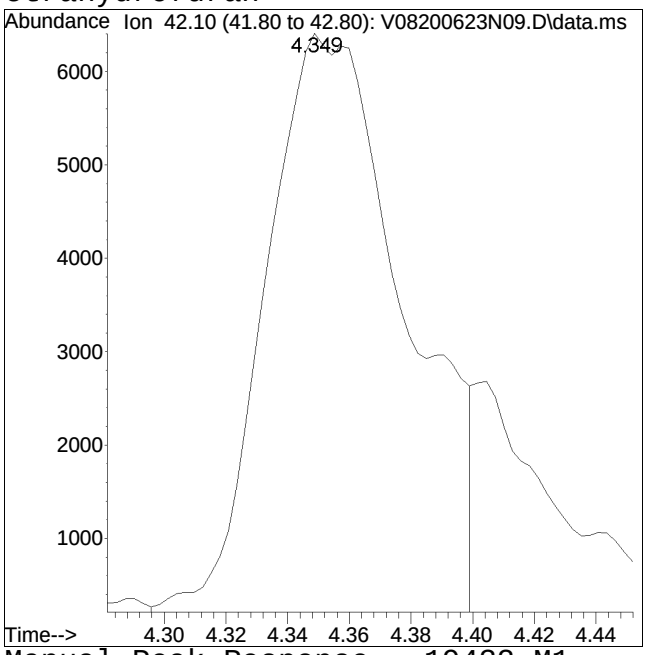
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200623N09.D Operator : VOA108:NLK
Date Inj'd : 6/23/2020 6:39 pm Instrument : VOA 108
Sample : I8260STDL10.0PPB Quant Date : 6/24/2020 10:00 am

Compound #35: Tetrahydrofuran



Original Peak Response = 22571



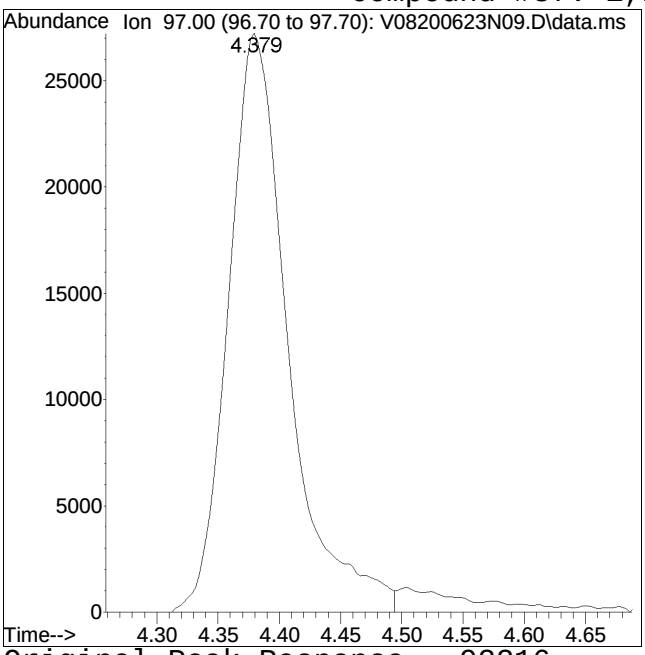
Manual Peak Response = 19432 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

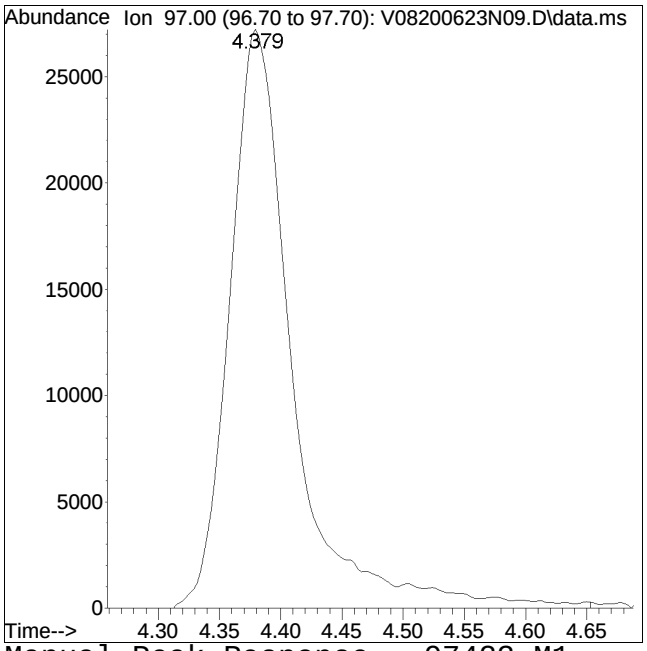
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200623N09.D Operator : VOA108:NLK
Date Inj'd : 6/23/2020 6:39 pm Instrument : VOA 108
Sample : I8260STDL10.0PPB Quant Date : 6/24/2020 10:00 am

Compound #37: 1,1,1-Trichloroethane



Original Peak Response = 92216



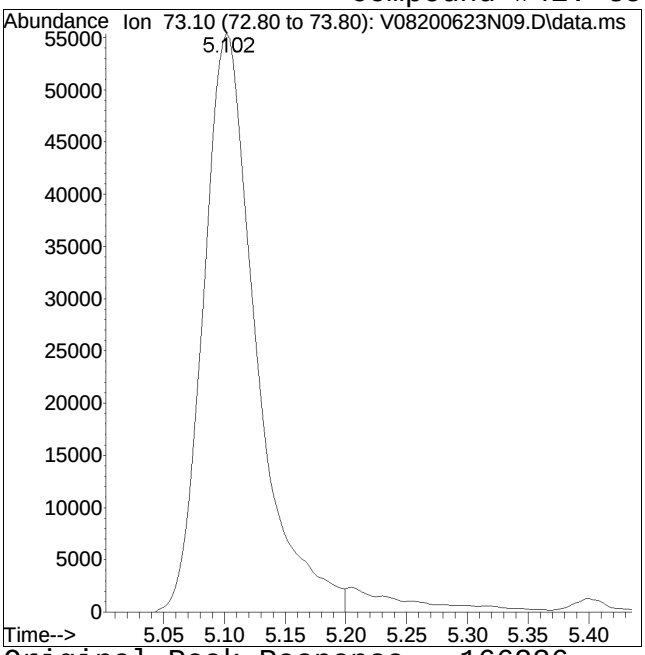
Manual Peak Response = 97423 M1

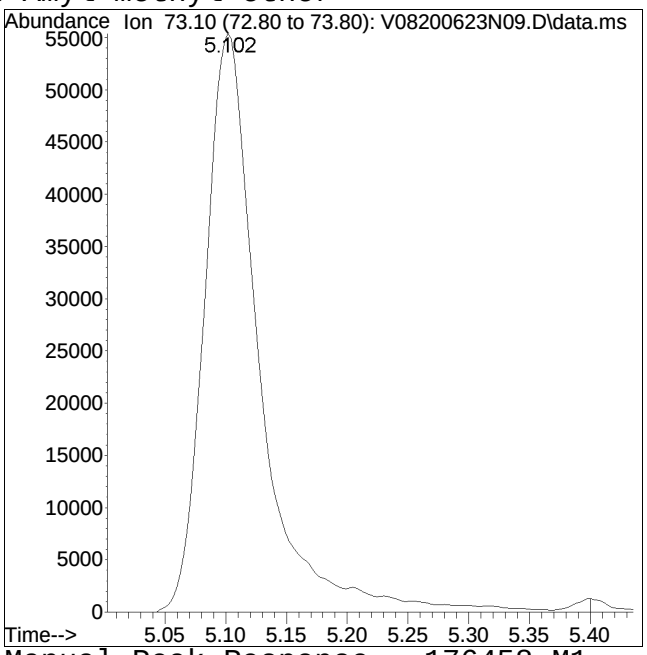
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200623N09.D Operator : VOA108:NLK
Date Inj'd : 6/23/2020 6:39 pm Instrument : VOA 108
Sample : I8260STDL10.0PPB Quant Date : 6/24/2020 10:00 am

Compound #42: tert-Amyl methyl ether



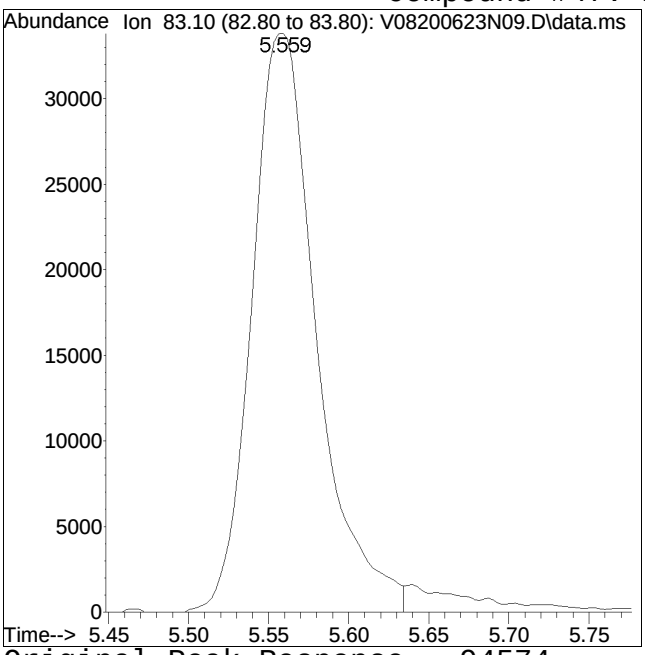


Original Peak Response = 166236 Manual Peak Response = 176458 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

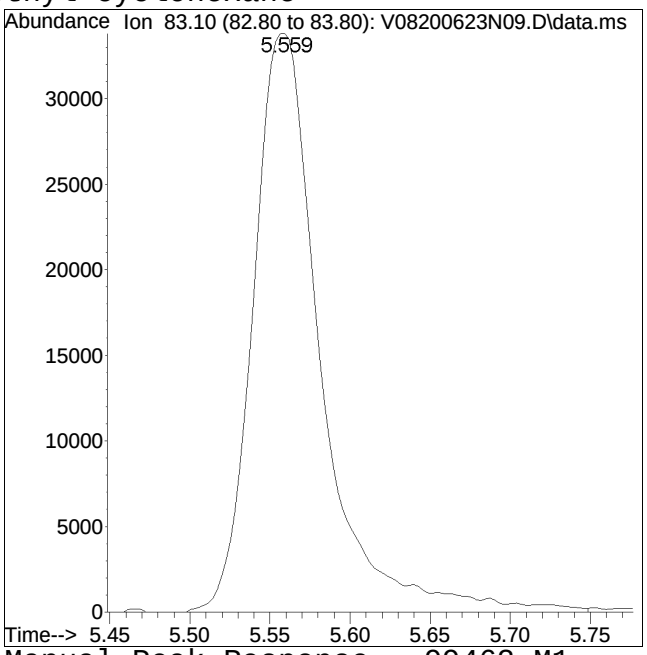
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200623N09.D Operator : VOA108:NLK
Date Inj'd : 6/23/2020 6:39 pm Instrument : VOA 108
Sample : I8260STDL10.0PPB Quant Date : 6/24/2020 10:00 am

Compound #47: Methyl cyclohexane



Original Peak Response = 94574



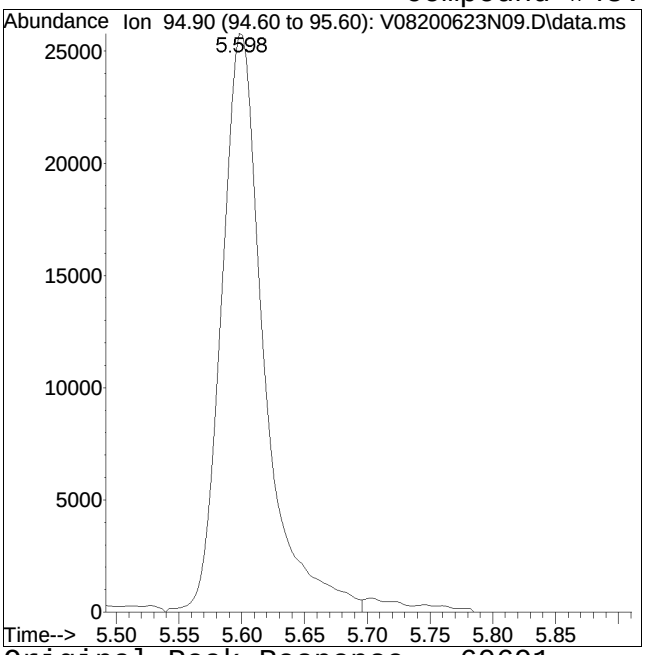
Manual Peak Response = 99462 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

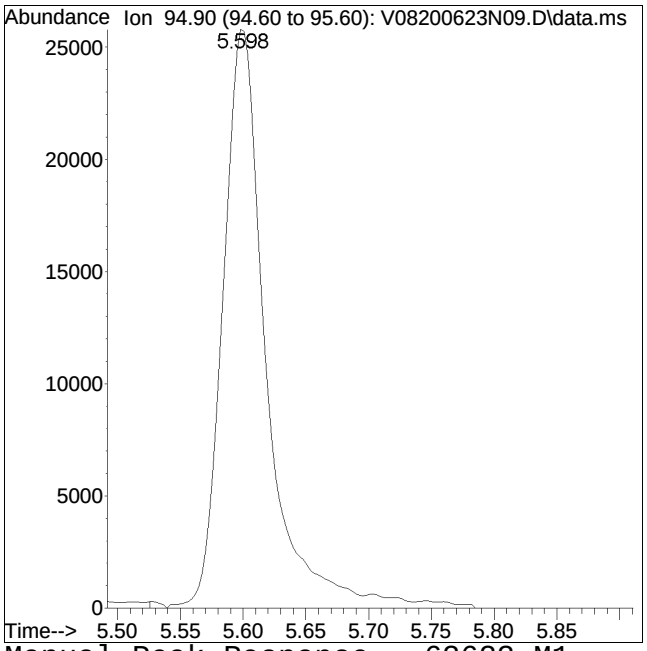
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200623N09.D Operator : VOA108:NLK
Date Inj'd : 6/23/2020 6:39 pm Instrument : VOA 108
Sample : I8260STDL10.0PPB Quant Date : 6/24/2020 10:00 am

Compound #48: Trichloroethene



Original Peak Response = 60691



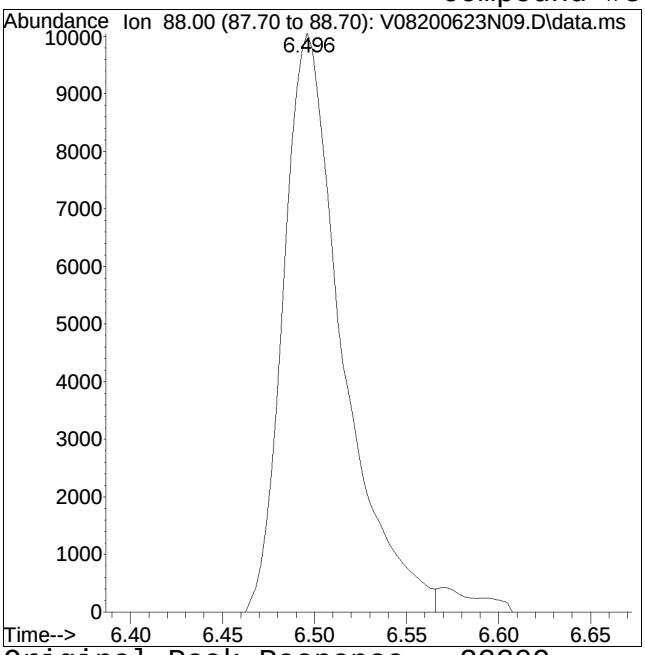
Manual Peak Response = 62623 M1

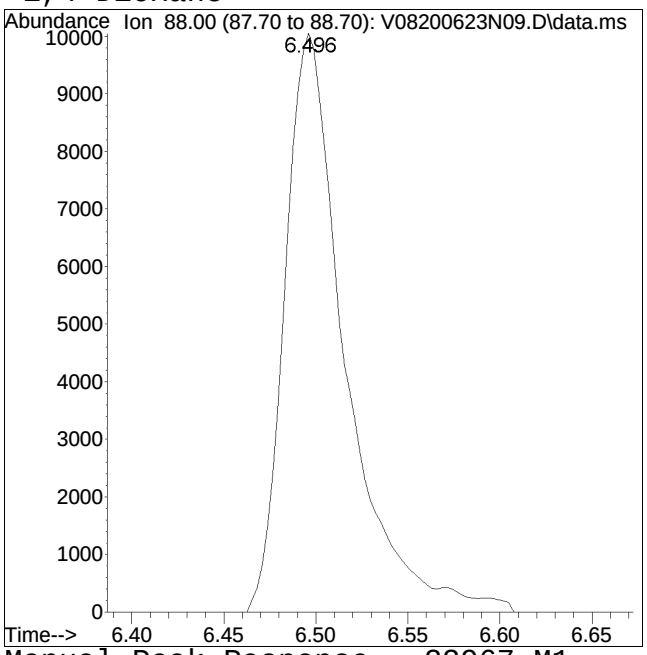
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200623N09.D Operator : VOA108:NLK
Date Inj'd : 6/23/2020 6:39 pm Instrument : VOA 108
Sample : I8260STDL10.0PPB Quant Date : 6/24/2020 10:00 am

Compound #57: 1,4-Dioxane





Original Peak Response = 22309 Manual Peak Response = 22967 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2020\200623N\
Data File : V08200623N10.D
Acq On : 23 Jun 2020 7:01 pm
Operator : VOA108:NLK
Sample : I8260STDL30.0PPB
Misc : WG1385357
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 24 10:19:52 2020
Quant Method : I:\VOLATILES\VOA108\2020\200623N\V108_200623N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jun 24 10:05:18 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2020\200623N\V08200623N09.D
Sub List : 8260-CurvePenta - All compounds listed

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.400	96	210830	10.000 ug/L	0.00
Standard Area 1 = 214871			Recovery = 98.12%		
59) Chlorobenzene-d5	8.429	117	162209	10.000 ug/L	0.00
Standard Area 1 = 164408			Recovery = 98.66%		
79) 1,4-Dichlorobenzene-d4	9.923	152	77181	10.000 ug/L	0.00
Standard Area 1 = 79243			Recovery = 97.40%		
System Monitoring Compounds					
36) Dibromofluoromethane	4.405	113	55592	9.917 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.17%		
43) 1,2-Dichloroethane-d4	5.052	65	60688	10.147 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.47%		
60) Toluene-d8	7.110	98	210899	10.113 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.13%		
83) 4-Bromofluorobenzene	9.254	95	81124	10.074 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.74%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.938	85	161836	29.946 ug/L	98
3) Chloromethane	1.053	50	219071	27.989 ug/L	99
4) Vinyl chloride	1.106	62	206891	30.127 ug/L	97
5) Bromomethane	1.304	94	100082	30.068 ug/L	98
6) Chloroethane	1.382	64	104591M1	27.361 ug/L	
7) Trichlorofluoromethane	1.476	101	239096	31.152 ug/L	96
8) Ethyl ether	1.705	74	80609	28.434 ug/L	94
10) 1,1-Dichloroethene	1.831	96	146422	30.345 ug/L #	72
11) Carbon disulfide	1.839	76	420343	29.770 ug/L	97
12) Freon-113	1.872	101	149341	29.241 ug/L	100
13) Iodomethane	1.928	142	212073	32.036 ug/L	86
14) Acrolein	2.098	56	25709	29.955 ug/L	95
15) Methylene chloride	2.302	84	166677	29.414 ug/L	93
17) Acetone	2.352	43	45780	27.585 ug/L	96
18) trans-1,2-Dichloroethene	2.444	96	168180	30.389 ug/L	82
19) Methyl acetate	2.480	43	121215	27.405 ug/L	100
20) Methyl tert-butyl ether	2.567	73	443150	28.387 ug/L	98
21) tert-Butyl alcohol	2.709	59	96741M1	137.335 ug/L	
22) Diisopropyl ether	2.977	45	737348	29.507 ug/L	99
23) 1,1-Dichloroethane	3.060	63	318104	30.047 ug/L	98
24) Halothane	3.205	117	134453M1	31.157 ug/L	

Data Path : I:\VOLATILES\VOA108\2020\200623N\
Data File : V08200623N10.D
Acq On : 23 Jun 2020 7:01 pm
Operator : VOA108:NLK
Sample : I8260STDL30.0PPB
Misc : WG1385357
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 24 10:19:52 2020
Quant Method : I:\VOLATILES\VOA108\2020\200623N\V108_200623N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jun 24 10:05:18 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2020\200623N\V08200623N09.D
Sub List : 8260-CurvePenta - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	3.122	53	63495M1	27.898	ug/L		
26) Ethyl tert-butyl ether	3.409	59	634529	29.711	ug/L		92
27) Vinyl acetate	3.415	43	445389	29.791	ug/L		100
28) cis-1,2-Dichloroethene	3.727	96	187437	29.465	ug/L	#	71
29) 2,2-Dichloropropane	3.855	77	245773M1	30.128	ug/L		
30) Bromochloromethane	3.997	128	90683M1	29.983	ug/L		
31) Cyclohexane	3.967	56	350544	30.897	ug/L		90
32) Chloroform	4.159	83	297035	28.465	ug/L		98
33) Ethyl acetate	4.396	43	182192M1	28.096	ug/L		
34) Carbon tetrachloride	4.282	117	223447	29.408	ug/L		96
35) Tetrahydrofuran	4.343	42	46547M1	24.413	ug/L		
37) 1,1,1-Trichloroethane	4.379	97	282191M1	29.521	ug/L		
39) 2-Butanone	4.589	43	79088	30.378	ug/L	#	62
40) 1,1-Dichloropropene	4.558	75	217924M1	30.324	ug/L		
41) Benzene	4.870	78	652821	30.207	ug/L		97
42) tert-Amyl methyl ether	5.099	73	491885	28.410	ug/L		94
44) 1,2-Dichloroethane	5.132	62	241096	28.877	ug/L		98
47) Methyl cyclohexane	5.559	83	285685	29.274	ug/L		91
48) Trichloroethene	5.598	95	176319	28.695	ug/L		95
50) Dibromomethane	6.047	93	99934	30.016	ug/L		98
51) 1,2-Dichloropropane	6.159	63	197204	30.325	ug/L	#	93
53) 2-Chloroethyl vinyl ether	6.920	63	123451	29.197	ug/L		94
54) Bromodichloromethane	6.273	83	241629	29.979	ug/L		98
57) 1,4-Dioxane	6.499	88	24012M1	532.770	ug/L		
58) cis-1,3-Dichloropropene	6.931	75	281061	30.123	ug/L		95
61) Toluene	7.157	92	423914	29.401	ug/L		95
62) 4-Methyl-2-pentanone	7.572	58	72317	28.717	ug/L	#	86
63) Tetrachloroethene	7.522	166	178010	29.006	ug/L		90
65) trans-1,3-Dichloropropene	7.595	75	248046	29.995	ug/L		92
67) Ethyl methacrylate	7.784	69	204411	29.456	ug/L		99
68) 1,1,2-Trichloroethane	7.726	83	120983	28.666	ug/L		93
69) Chlorodibromomethane	7.865	129	183847	29.505	ug/L		96
70) 1,3-Dichloropropane	7.941	76	244875	29.104	ug/L		100
71) 1,2-Dibromoethane	8.021	107	151727	29.792	ug/L		99
72) 2-Hexanone	8.267	43	135958	29.055	ug/L		98
73) Chlorobenzene	8.440	112	475783	29.179	ug/L		89
74) Ethylbenzene	8.482	91	796132	29.464	ug/L		97
75) 1,1,1,2-Tetrachloroethane	8.501	131	181176	29.610	ug/L		94
76) p/m Xylene	8.588	106	633790	58.841	ug/L		91
77) o Xylene	8.875	106	621115	57.126	ug/L		86

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2020\200623N\
Data File : V08200623N10.D
Acq On : 23 Jun 2020 7:01 pm
Operator : VOA108:NLK
Sample : I8260STDL30.0PPB
Misc : WG1385357
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 24 10:19:52 2020
Quant Method : I:\VOLATILES\VOA108\2020\200623N\V108_200623N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jun 24 10:05:18 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2020\200623N\V08200623N09.D
Sub List : 8260-CurvePenta - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
78) Styrene	8.914	104	1024250	58.283	ug/L		89
80) Bromoform	8.917	173	99197	29.360	ug/L		96
82) Isopropylbenzene	9.087	105	786415	29.349	ug/L		94
84) Bromobenzene	9.307	156	188299	29.507	ug/L		97
85) n-Propylbenzene	9.346	91	905683	29.603	ug/L		93
86) 1,4-Dichlorobutane	9.352	55	287592	28.772	ug/L		93
87) 1,1,2,2-Tetrachloroethane	9.402	83	175114	28.599	ug/L		100
88) 4-Ethyltoluene	9.416	105	771971	29.144	ug/L		93
89) 2-Chlorotoluene	9.430	91	619640	29.289	ug/L		93
90) 1,3,5-Trimethylbenzene	9.472	105	651084	29.391	ug/L	#	86
91) 1,2,3-Trichloropropane	9.469	75	133504	29.088	ug/L		96
92) trans-1,4-Dichloro-2-b...	9.502	53	62036	29.684	ug/L		88
93) 4-Chlorotoluene	9.530	91	556083	28.914	ug/L		92
94) tert-Butylbenzene	9.656	119	693914	29.356	ug/L		89
95) Pentachloroethane	9.667	167	117345	30.379	ug/L		90
97) 1,2,4-Trimethylbenzene	9.697	105	645819	29.422	ug/L		89
98) sec-Butylbenzene	9.762	105	804202	28.996	ug/L		96
99) p-Isopropyltoluene	9.848	119	741073	29.274	ug/L		95
100) 1,3-Dichlorobenzene	9.879	146	373527	29.362	ug/L		98
101) 1,4-Dichlorobenzene	9.932	146	378116	29.637	ug/L		99
102) p-Diethylbenzene	10.060	119	443048	29.451	ug/L		90
103) n-Butylbenzene	10.091	91	623300	29.234	ug/L		98
104) 1,2-Dichlorobenzene	10.171	146	346633	28.819	ug/L		99
105) 1,2,4,5-Tetramethylben...	10.514	119	706853	29.613	ug/L		96
106) 1,2-Dibromo-3-chloropr...	10.629	155	27224	28.777	ug/L		91
107) 1,3,5-Trichlorobenzene	10.646	180	242108	29.913	ug/L		95
108) Hexachlorobutadiene	10.991	225	86653	30.424	ug/L		95
109) 1,2,4-Trichlorobenzene	11.005	180	219083	29.806	ug/L		97
110) Naphthalene	11.184	128	565876	30.007	ug/L		100
111) 1,2,3-Trichlorobenzene	11.284	180	198324	30.291	ug/L		97

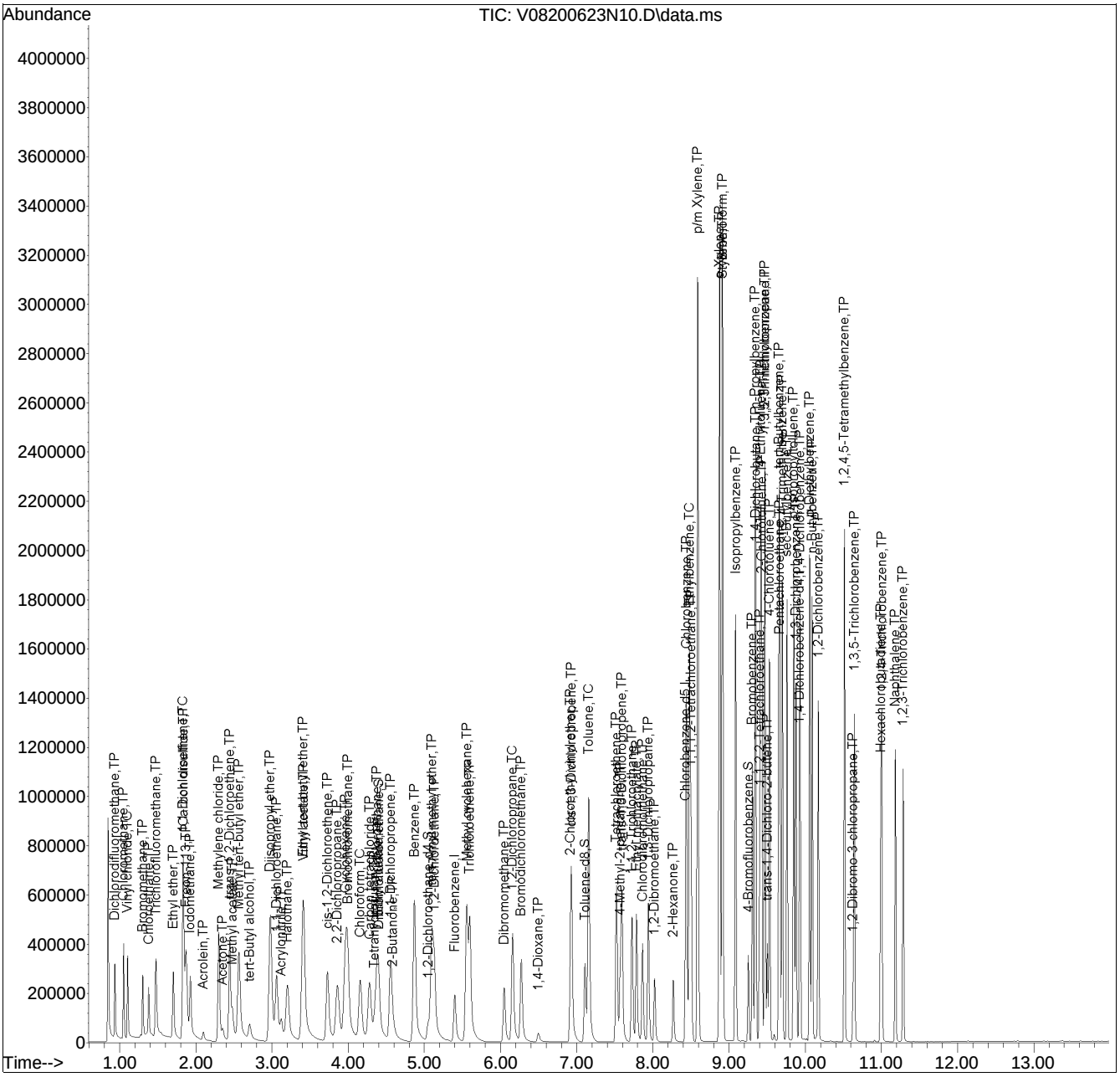
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2020\200623N\
Data File : V08200623N10.D
Acq On : 23 Jun 2020 7:01 pm
Operator : VOA108:NLK
Sample : I8260STDL30.0PPB
Misc : WG1385357
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 24 10:19:52 2020
Quant Method : I:\VOLATILES\VOA108\2020\200623N\V108_200623N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jun 24 10:05:18 2020
Response via : Initial Calibration

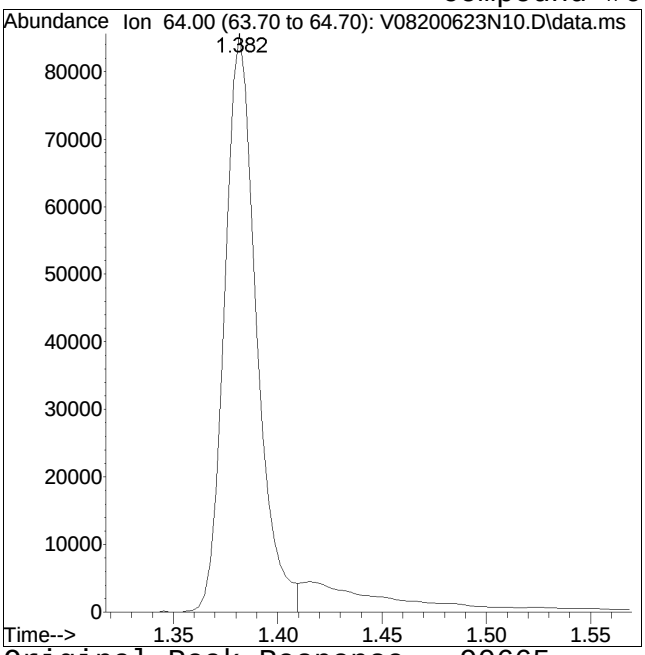
Sub List : 8260-CurvePenta - All compounds listed08200623N09.D•



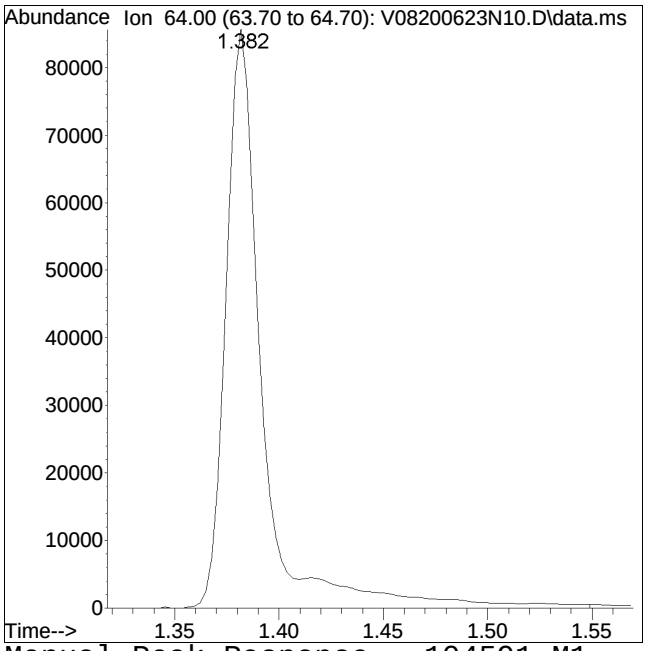
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200623N10.D Operator : VOA108:NLK
Date Inj'd : 6/23/2020 7:01 pm Instrument : VOA 108
Sample : I8260STDL30.0PPB Quant Date : 6/24/2020 10:06 am

Compound #6: Chloroethane



Original Peak Response = 90665



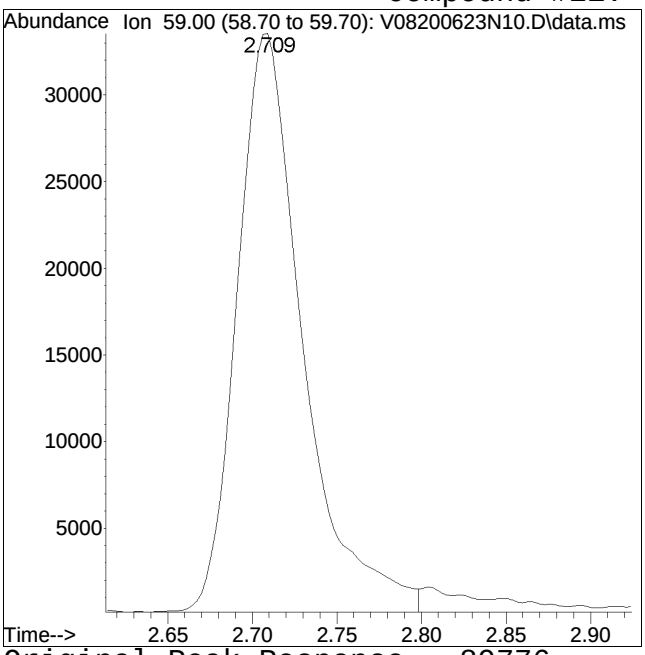
Manual Peak Response = 104591 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

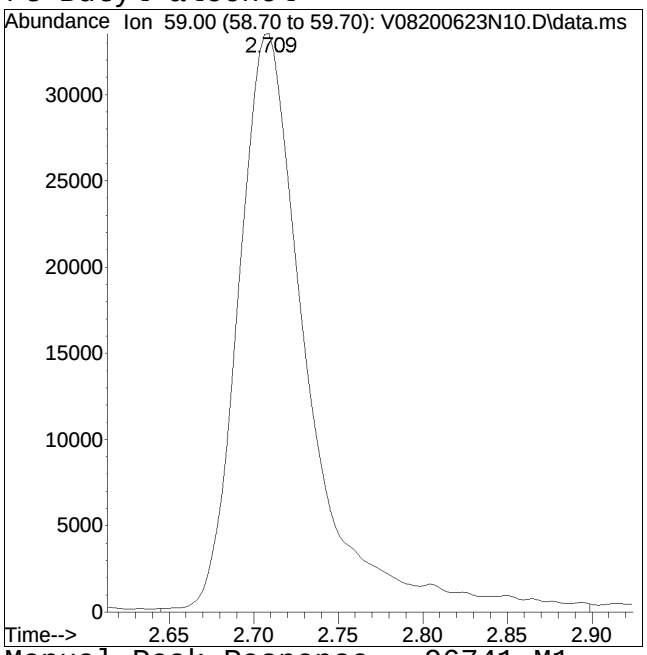
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200623N10.D Operator : VOA108:NLK
Date Inj'd : 6/23/2020 7:01 pm Instrument : VOA 108
Sample : I8260STDL30.0PPB Quant Date : 6/24/2020 10:06 am

Compound #21: tert-Butyl alcohol



Original Peak Response = 89776



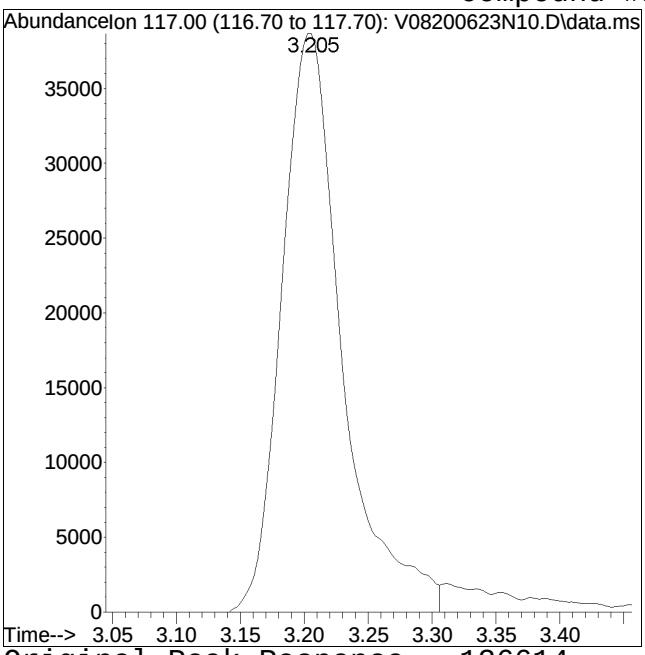
Manual Peak Response = 96741 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

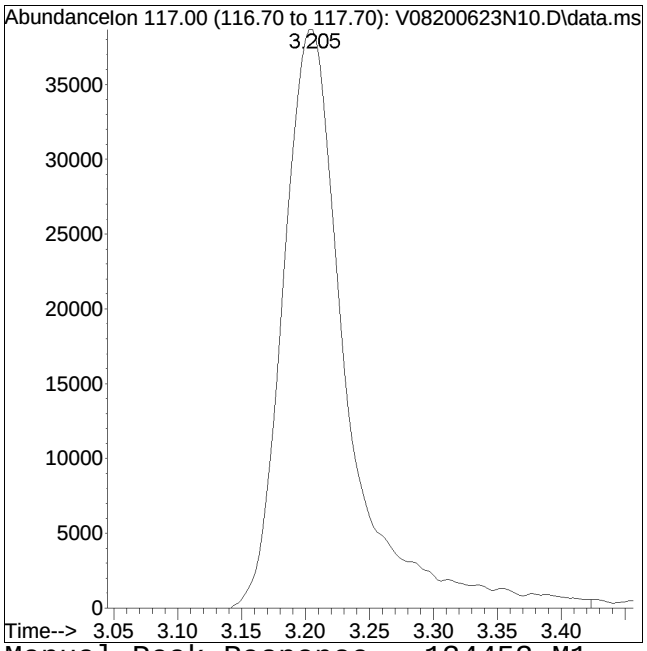
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200623N10.D Operator : VOA108:NLK
Date Inj'd : 6/23/2020 7:01 pm Instrument : VOA 108
Sample : I8260STDL30.0PPB Quant Date : 6/24/2020 10:06 am

Compound #24: Halothane



Original Peak Response = 126614



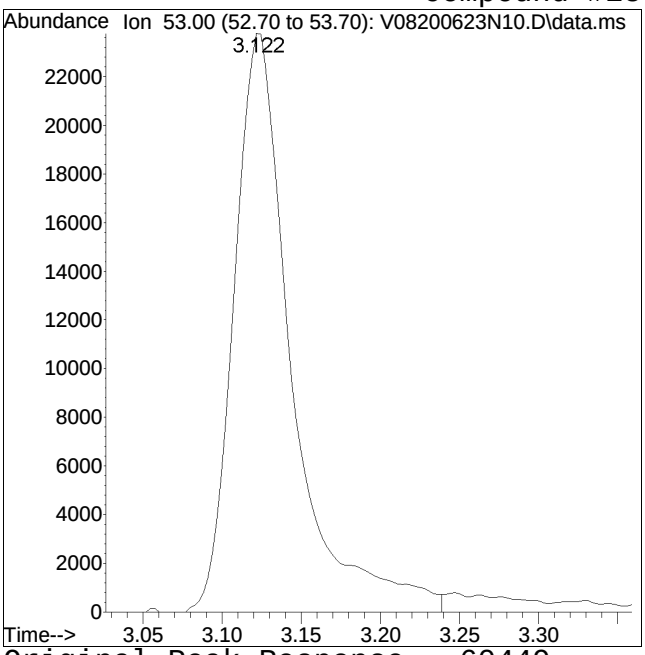
Manual Peak Response = 134453 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

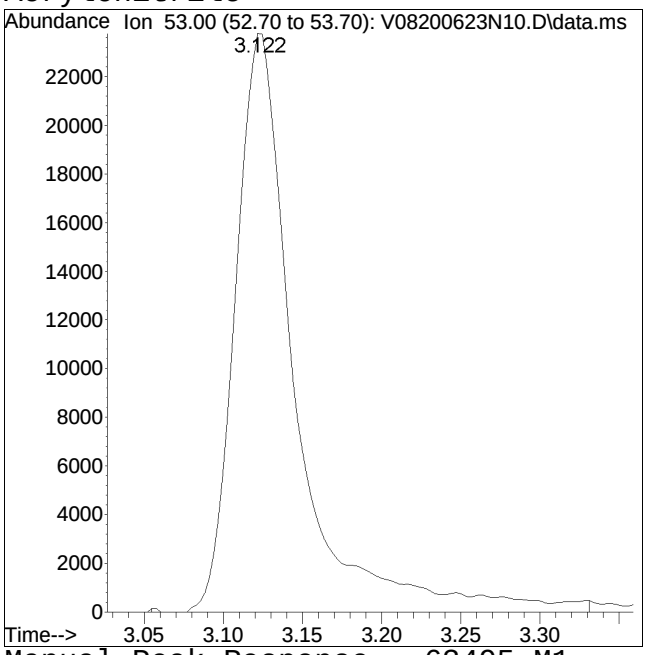
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200623N10.D Operator : VOA108:NLK
Date Inj'd : 6/23/2020 7:01 pm Instrument : VOA 108
Sample : I8260STDL30.0PPB Quant Date : 6/24/2020 10:06 am

Compound #25: Acrylonitrile



Original Peak Response = 60449



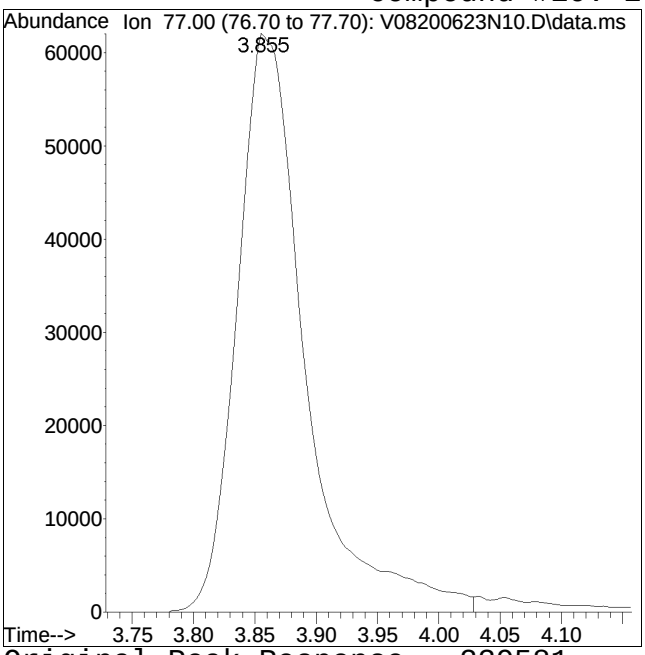
Manual Peak Response = 63495 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

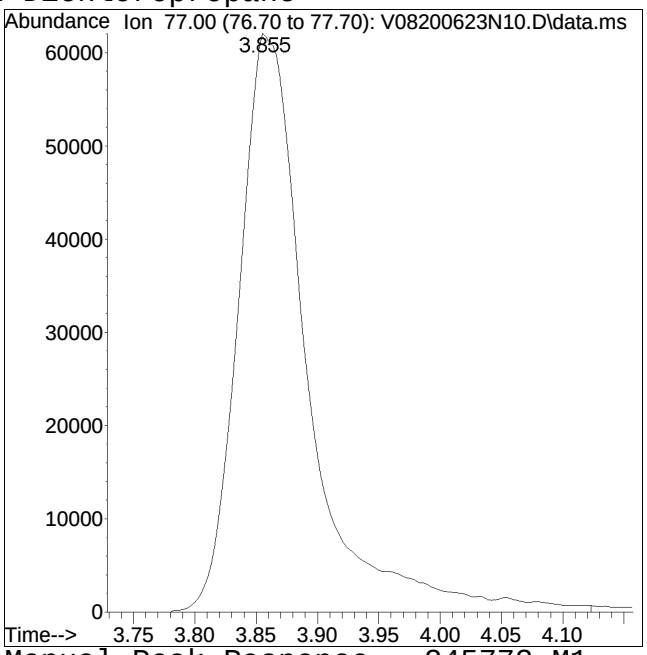
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200623N10.D Operator : VOA108:NLK
Date Inj'd : 6/23/2020 7:01 pm Instrument : VOA 108
Sample : I8260STDL30.0PPB Quant Date : 6/24/2020 10:06 am

Compound #29: 2,2-Dichloropropane



Original Peak Response = 239581



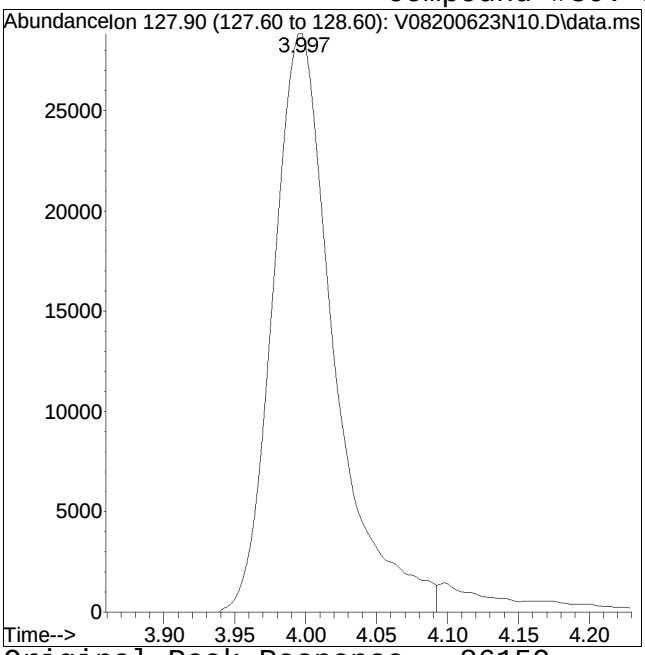
Manual Peak Response = 245773 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

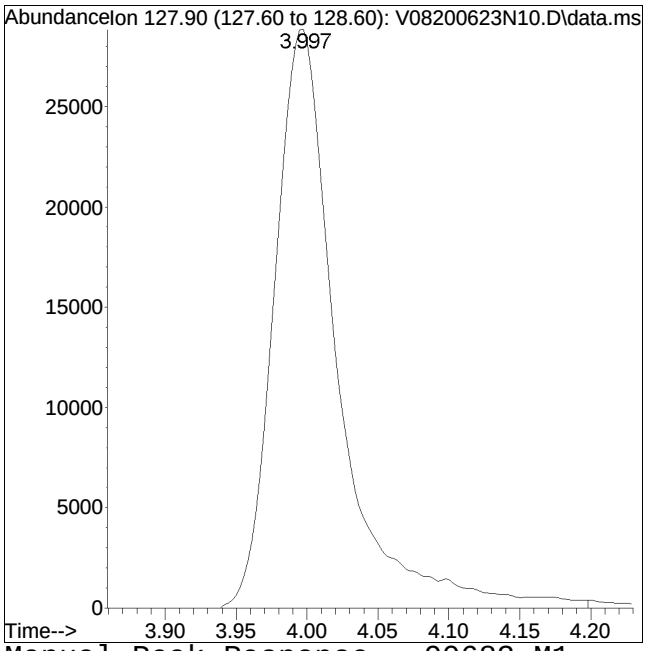
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200623N10.D Operator : VOA108:NLK
Date Inj'd : 6/23/2020 7:01 pm Instrument : VOA 108
Sample : I8260STDL30.0PPB Quant Date : 6/24/2020 10:06 am

Compound #30: Bromochloromethane



Original Peak Response = 86159



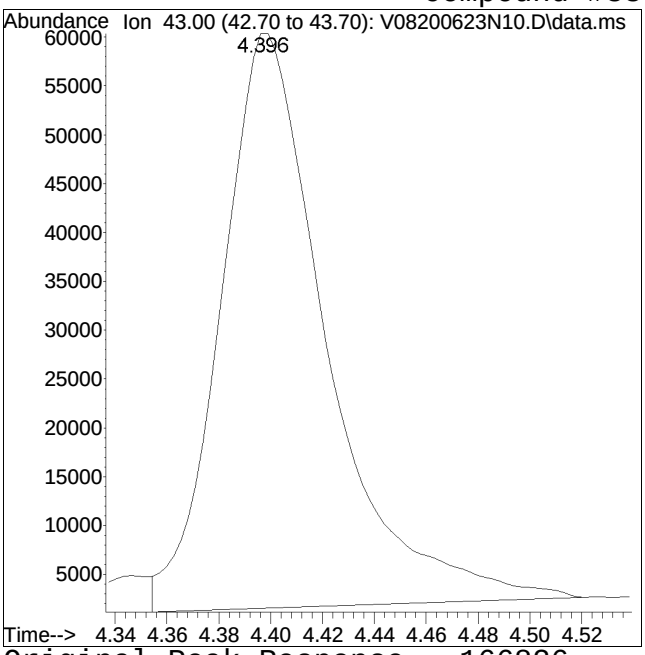
Manual Peak Response = 90683 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

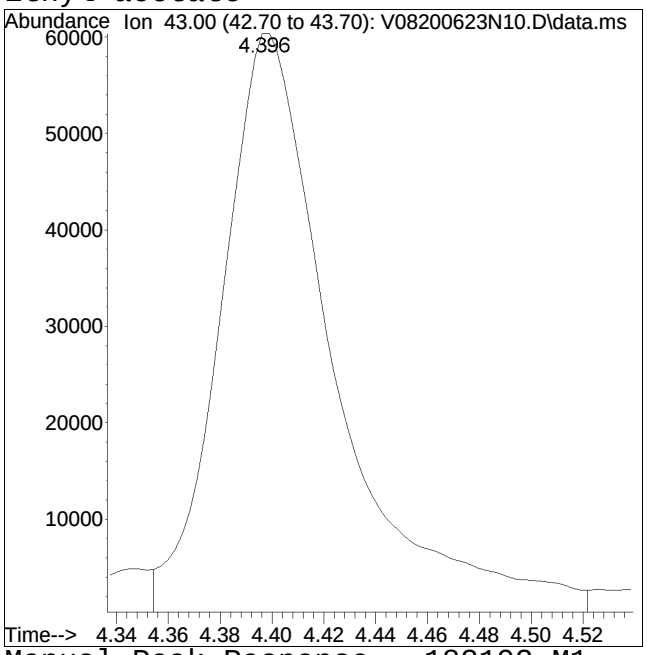
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200623N10.D Operator : VOA108:NLK
Date Inj'd : 6/23/2020 7:01 pm Instrument : VOA 108
Sample : I8260STDL30.0PPB Quant Date : 6/24/2020 10:06 am

Compound #33: Ethyl acetate



Original Peak Response = 166826



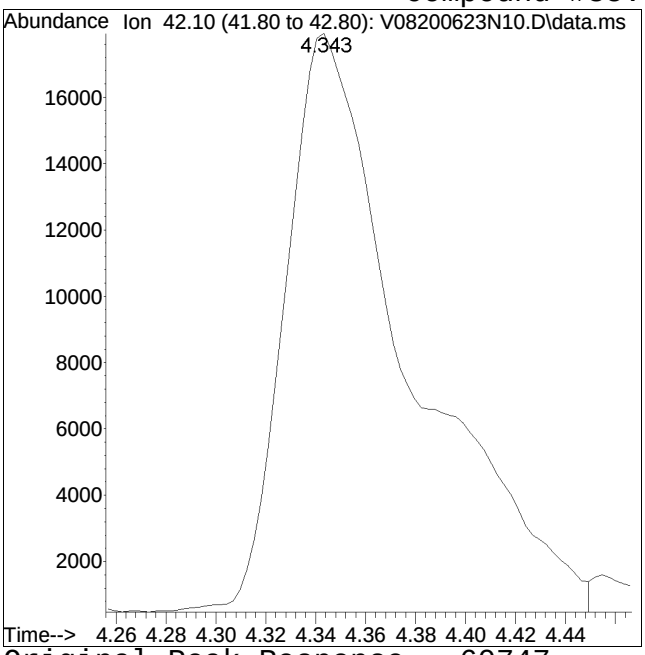
Manual Peak Response = 182192 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

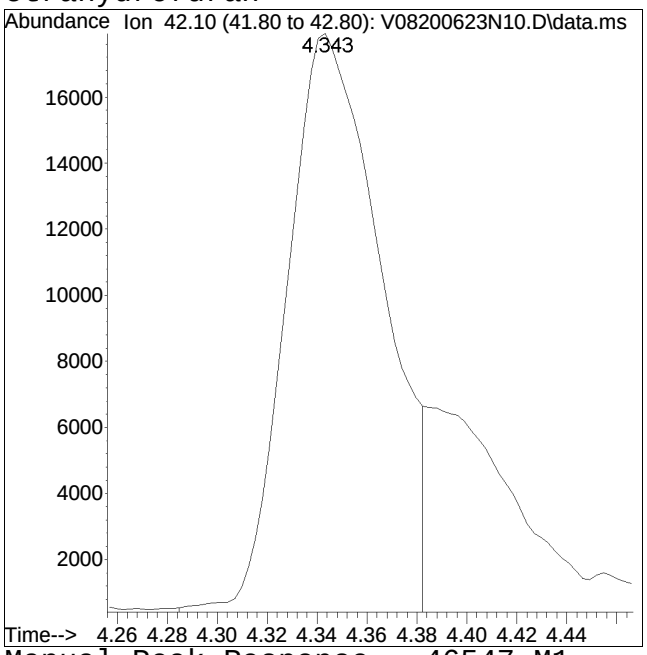
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200623N10.D Operator : VOA108:NLK
Date Inj'd : 6/23/2020 7:01 pm Instrument : VOA 108
Sample : I8260STDL30.0PPB Quant Date : 6/24/2020 10:06 am

Compound #35: Tetrahydrofuran



Original Peak Response = 60747



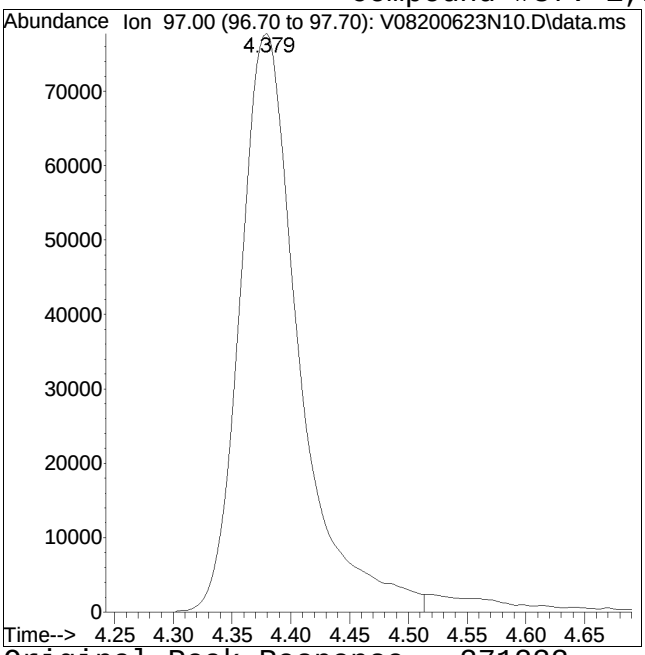
Manual Peak Response = 46547 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

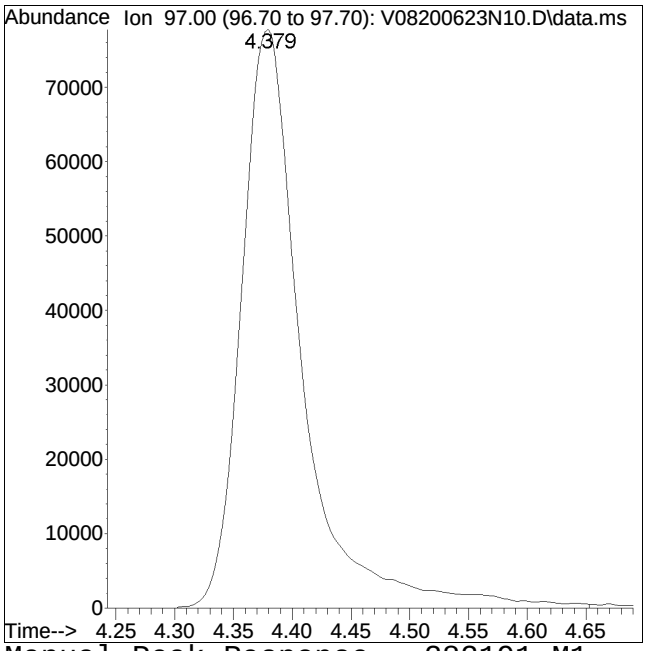
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200623N10.D Operator : VOA108:NLK
Date Inj'd : 6/23/2020 7:01 pm Instrument : VOA 108
Sample : I8260STDL30.0PPB Quant Date : 6/24/2020 10:06 am

Compound #37: 1,1,1-Trichloroethane



Original Peak Response = 271232



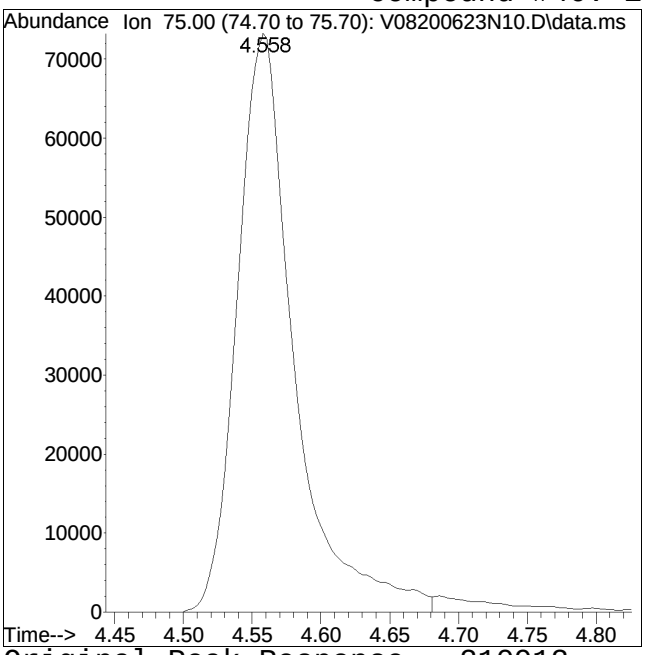
Manual Peak Response = 282191 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

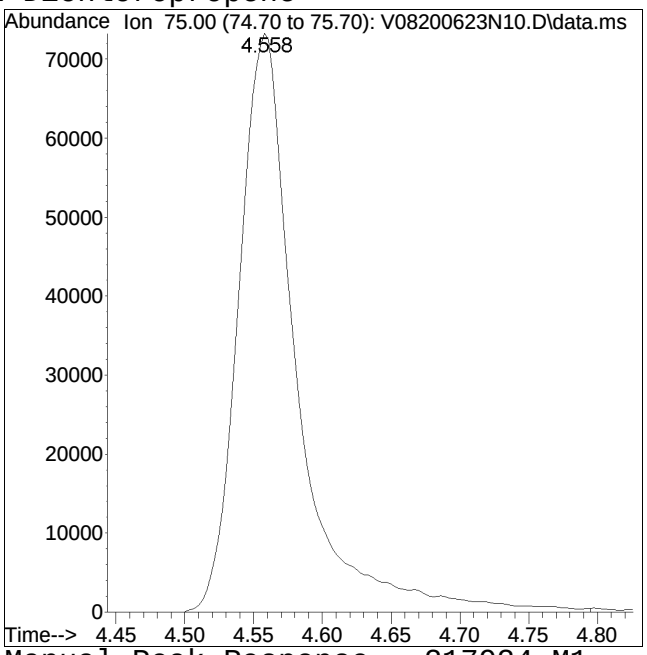
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200623N10.D Operator : VOA108:NLK
Date Inj'd : 6/23/2020 7:01 pm Instrument : VOA 108
Sample : I8260STDL30.0PPB Quant Date : 6/24/2020 10:06 am

Compound #40: 1,1-Dichloropropene



Original Peak Response = 210912



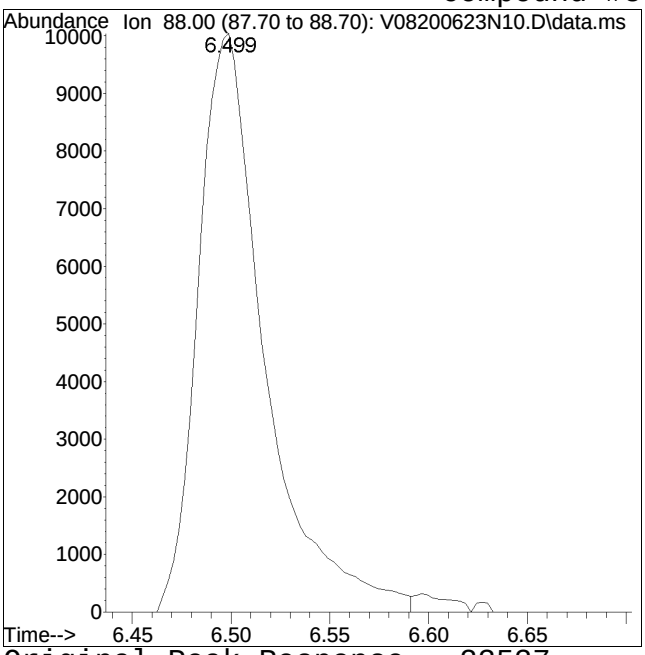
Manual Peak Response = 217924 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

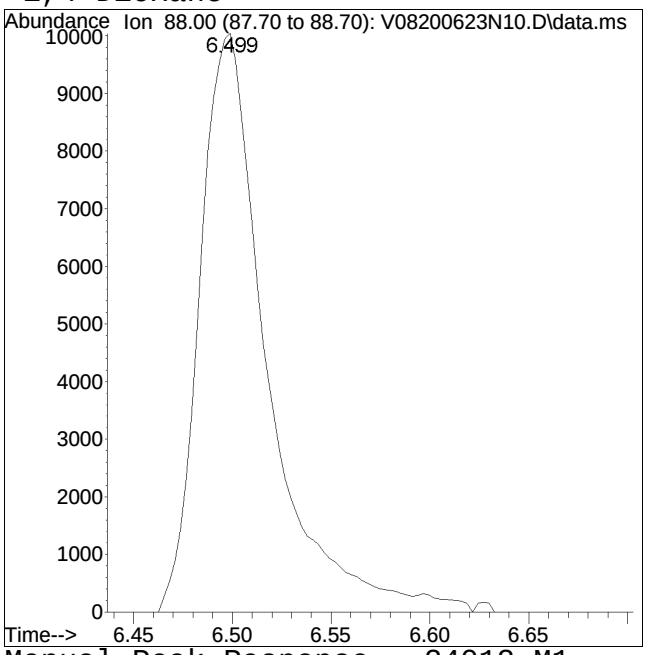
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200623N10.D Operator : VOA108:NLK
Date Inj'd : 6/23/2020 7:01 pm Instrument : VOA 108
Sample : I8260STDL30.0PPB Quant Date : 6/24/2020 10:06 am

Compound #57: 1,4-Dioxane



Original Peak Response = 23537



Manual Peak Response = 24012 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2020\200623N\
Data File : V08200623N11.D
Acq On : 23 Jun 2020 7:23 pm
Operator : VOA108:NLK
Sample : I8260STDL80.00PPB
Misc : WG1385357
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 24 10:20:48 2020
Quant Method : I:\VOLATILES\VOA108\2020\200623N\V108_200623N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jun 24 10:05:18 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2020\200623N\V08200623N09.D
Sub List : 8260-CurvePenta - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.400	96	210533	10.000	ug/L	0.00
Standard Area 1 = 214871			Recovery = 97.98%			
59) Chlorobenzene-d5	8.428	117	165805	10.000	ug/L	0.00
Standard Area 1 = 164408			Recovery = 100.85%			
79) 1,4-Dichlorobenzene-d4	9.923	152	74413	10.000	ug/L	0.00
Standard Area 1 = 79243			Recovery = 93.90%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.402	113	55891	9.985	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.85%			
43) 1,2-Dichloroethane-d4	5.051	65	59810	10.014	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.14%			
60) Toluene-d8	7.109	98	210158	9.859	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.59%			
83) 4-Bromofluorobenzene	9.254	95	80339	10.348	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.48%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.938	85	448283	83.068	ug/L	98
3) Chloromethane	1.053	50	566622	72.496	ug/L	99
4) Vinyl chloride	1.105	62	550072	80.213	ug/L	95
5) Bromomethane	1.304	94	279703	84.151	ug/L	97
6) Chloroethane	1.382	64	240832	63.091	ug/L	100
7) Trichlorofluoromethane	1.474	101	644453	84.085	ug/L	97
8) Ethyl ether	1.705	74	217105	76.689	ug/L	92
10) 1,1-Dichloroethene	1.831	96	407355	84.540	ug/L #	73
11) Carbon disulfide	1.839	76	1134082	80.433	ug/L	97
12) Freon-113	1.870	101	404167	79.247	ug/L	96
13) Iodomethane	1.928	142	600130	90.784	ug/L	86
14) Acrolein	2.098	56	72728	84.859	ug/L	93
15) Methylene chloride	2.302	84	448588	79.275	ug/L	90
17) Acetone	2.355	43	118464	71.482	ug/L	99
18) trans-1,2-Dichloroethene	2.444	96	447273	80.933	ug/L	83
19) Methyl acetate	2.480	43	331757	75.111	ug/L	98
20) Methyl tert-butyl ether	2.567	73	1161294	74.495	ug/L	97
21) tert-Butyl alcohol	2.709	59	247765	352.226	ug/L #	61
22) Diisopropyl ether	2.979	45	1915950	76.779	ug/L	99
23) 1,1-Dichloroethane	3.060	63	838420	79.306	ug/L	98
24) Halothane	3.203	117	350452	81.324	ug/L	99

Data Path : I:\VOLATILES\VOA108\2020\200623N\
Data File : V08200623N11.D
Acq On : 23 Jun 2020 7:23 pm
Operator : VOA108:NLK
Sample : I8260STDL80.00PPB
Misc : WG1385357
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 24 10:20:48 2020
Quant Method : I:\VOLATILES\VOA108\2020\200623N\V108_200623N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jun 24 10:05:18 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2020\200623N\V08200623N09.D
Sub List : 8260-CurvePenta - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	3.122	53	161741	71.165	ug/L		96
26) Ethyl tert-butyl ether	3.409	59	1660543	77.863	ug/L		88
27) Vinyl acetate	3.412	43	1257351	84.219	ug/L		100
28) cis-1,2-Dichloroethene	3.730	96	473690	74.569	ug/L	#	75
29) 2,2-Dichloropropane	3.858	77	633061	77.713	ug/L		97
30) Bromochloromethane	3.995	128	233333	77.258	ug/L	#	70
31) Cyclohexane	3.967	56	928100	81.919	ug/L		90
32) Chloroform	4.159	83	781993	75.045	ug/L		98
33) Ethyl acetate	4.396	43	482068M1	74.446	ug/L		
34) Carbon tetrachloride	4.282	117	596064	78.559	ug/L		95
35) Tetrahydrofuran	4.340	42	130046	68.303	ug/L	#	75
37) 1,1,1-Trichloroethane	4.377	97	733812	76.874	ug/L	#	98
39) 2-Butanone	4.589	43	205494	79.041	ug/L	#	59
40) 1,1-Dichloropropene	4.558	75	567600	79.092	ug/L		93
41) Benzene	4.870	78	1715221	79.479	ug/L		97
42) tert-Amyl methyl ether	5.099	73	1300149	75.199	ug/L		94
44) 1,2-Dichloroethane	5.132	62	625526	75.027	ug/L		98
47) Methyl cyclohexane	5.556	83	769605	78.971	ug/L		89
48) Trichloroethene	5.598	95	470070	76.610	ug/L		95
50) Dibromomethane	6.047	93	267237	80.379	ug/L		98
51) 1,2-Dichloropropane	6.159	63	518158	79.792	ug/L	#	93
53) 2-Chloroethyl vinyl ether	6.920	63	328478	77.796	ug/L		95
54) Bromodichloromethane	6.273	83	640772	79.614	ug/L		98
57) 1,4-Dioxane	6.499	88	32722	727.048	ug/L	#	89
58) cis-1,3-Dichloropropene	6.931	75	747574	80.235	ug/L		97
61) Toluene	7.157	92	1117331	75.814	ug/L		95
62) 4-Methyl-2-pentanone	7.572	58	187617	72.887	ug/L	#	87
63) Tetrachloroethene	7.522	166	478667	76.304	ug/L		90
65) trans-1,3-Dichloropropene	7.595	75	663061	78.442	ug/L		93
67) Ethyl methacrylate	7.784	69	536583	75.646	ug/L		99
68) 1,1,2-Trichloroethane	7.726	83	318067	73.728	ug/L		94
69) Chlorodibromomethane	7.862	129	489459	76.847	ug/L		96
70) 1,3-Dichloropropane	7.940	76	637210	74.092	ug/L		99
71) 1,2-Dibromoethane	8.021	107	401399	77.105	ug/L		99
72) 2-Hexanone	8.267	43	353887	73.989	ug/L		97
73) Chlorobenzene	8.440	112	1246682	74.798	ug/L		89
74) Ethylbenzene	8.481	91	2080417	75.324	ug/L		96
75) 1,1,1,2-Tetrachloroethane	8.501	131	475166	75.973	ug/L		94
76) p/m Xylene	8.590	106	1658234	150.611	ug/L		90
77) o Xylene	8.875	106	1598136	143.797	ug/L		85

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2020\200623N\
Data File : V08200623N11.D
Acq On : 23 Jun 2020 7:23 pm
Operator : VOA108:NLK
Sample : I8260STDL80.00PPB
Misc : WG1385357
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 24 10:20:48 2020
Quant Method : I:\VOLATILES\VOA108\2020\200623N\V108_200623N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jun 24 10:05:18 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2020\200623N\V08200623N09.D
Sub List : 8260-CurvePenta - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
78)	Styrene	8.914	104	2642312	147.096	ug/L		89
80)	Bromoform	8.916	173	260811	80.066	ug/L		96
82)	Isopropylbenzene	9.087	105	2029466	78.557	ug/L		94
84)	Bromobenzene	9.307	156	486743	79.110	ug/L		97
85)	n-Propylbenzene	9.346	91	2298761	77.931	ug/L		93
86)	1,4-Dichlorobutane	9.351	55	727458	75.486	ug/L		93
87)	1,1,2,2-Tetrachloroethane	9.402	83	445243	75.421	ug/L		100
88)	4-Ethyltoluene	9.416	105	1988256	77.854	ug/L		94
89)	2-Chlorotoluene	9.430	91	1569160	76.929	ug/L		93
90)	1,3,5-Trimethylbenzene	9.471	105	1640445	76.807	ug/L	#	86
91)	1,2,3-Trichloropropane	9.469	75	338755	76.555	ug/L		96
92)	trans-1,4-Dichloro-2-b...	9.502	53	142421	70.683	ug/L	#	82
93)	4-Chlorotoluene	9.533	91	1409010	75.989	ug/L		91
94)	tert-Butylbenzene	9.655	119	1750827	76.825	ug/L		88
95)	Pentachloroethane	9.667	167	296695	79.667	ug/L		90
97)	1,2,4-Trimethylbenzene	9.700	105	1629077	76.978	ug/L		89
98)	sec-Butylbenzene	9.761	105	2044112	76.442	ug/L		97
99)	p-Isopropyltoluene	9.848	119	1864146	76.377	ug/L		95
100)	1,3-Dichlorobenzene	9.879	146	943102	76.893	ug/L		98
101)	1,4-Dichlorobenzene	9.932	146	956589	77.767	ug/L		98
102)	p-Diethylbenzene	10.060	119	1126324	77.657	ug/L		90
103)	n-Butylbenzene	10.091	91	1543196	75.072	ug/L		96
104)	1,2-Dichlorobenzene	10.171	146	883183	76.159	ug/L		98
105)	1,2,4,5-Tetramethylben...	10.514	119	1830380	79.536	ug/L		97
106)	1,2-Dibromo-3-chloropr...	10.629	155	73739	80.846	ug/L		92
107)	1,3,5-Trichlorobenzene	10.645	180	634862	81.355	ug/L		95
108)	Hexachlorobutadiene	10.991	225	230253	83.849	ug/L		96
109)	1,2,4-Trichlorobenzene	11.005	180	585735	82.654	ug/L		96
110)	Naphthalene	11.184	128	1508938	82.992	ug/L		100
111)	1,2,3-Trichlorobenzene	11.287	180	529092	83.816	ug/L		98

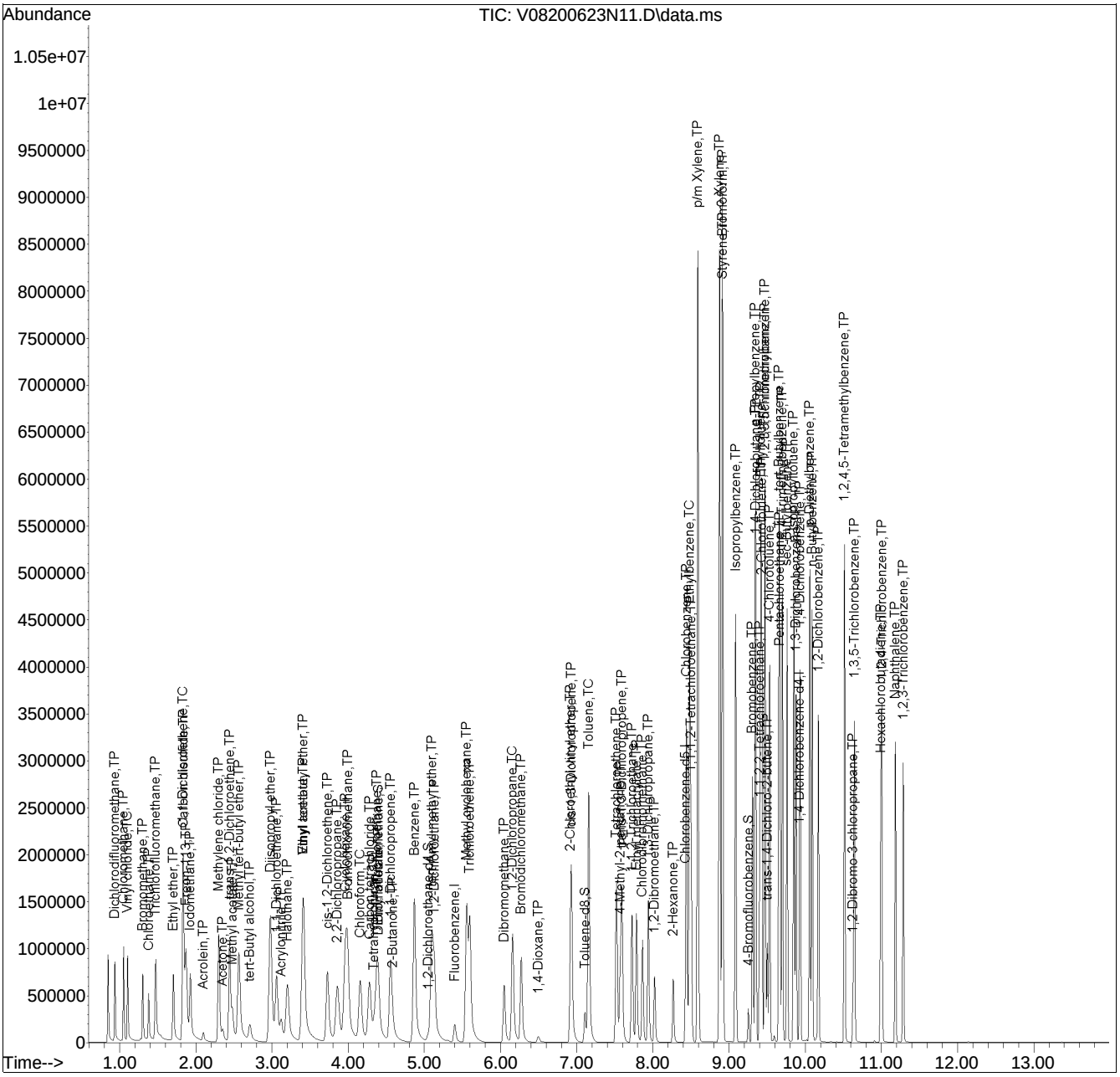
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2020\200623N\
Data File : V08200623N11.D
Acq On : 23 Jun 2020 7:23 pm
Operator : VOA108:NLK
Sample : I8260STDL80.00PPB
Misc : WG1385357
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 24 10:20:48 2020
Quant Method : I:\VOLATILES\VOA108\2020\200623N\V108_200623N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jun 24 10:05:18 2020
Response via : Initial Calibration

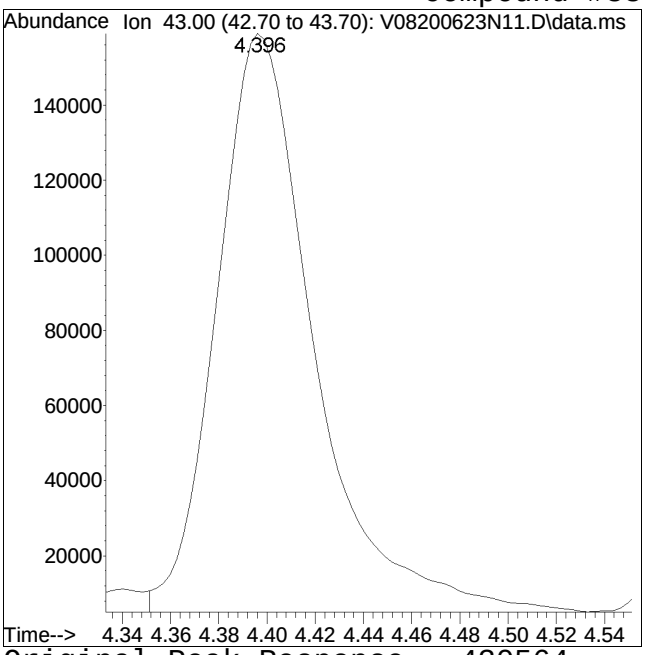
Sub List : 8260-CurvePenta - All compounds listed08200623N09.D•



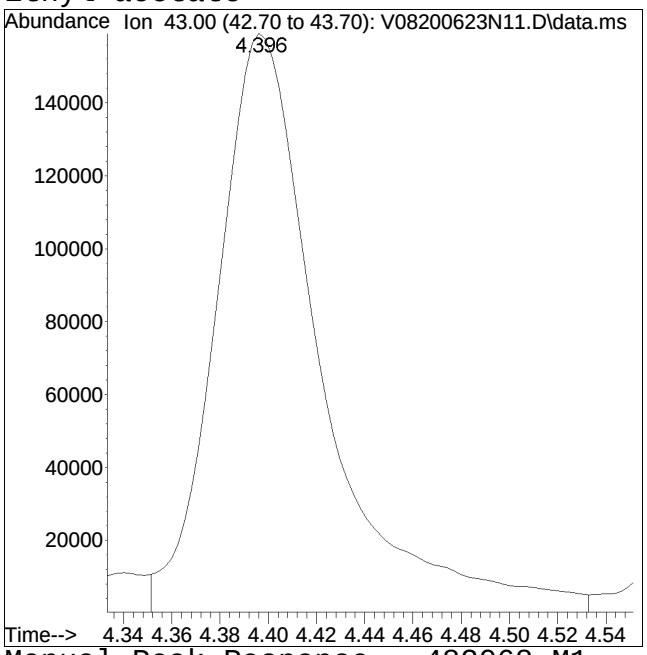
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200623N11.D Operator : VOA108:NLK
Date Inj'd : 6/23/2020 7:23 pm Instrument : VOA 108
Sample : I8260STDL80.00PPB Quant Date : 6/24/2020 10:06 am

Compound #33: Ethyl acetate



Original Peak Response = 430564



Manual Peak Response = 482068 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2020\200623N\
Data File : V08200623N12.D
Acq On : 23 Jun 2020 7:45 pm
Operator : VOA108:NLK
Sample : I8260STDL120.0PPB
Misc : WG1385357
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 24 10:21:34 2020
Quant Method : I:\VOLATILES\VOA108\2020\200623N\V108_200623N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jun 24 10:05:18 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2020\200623N\V08200623N09.D
Sub List : 8260-CurvePenta - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.400	96	198926	10.000	ug/L	0.00
Standard Area 1 = 214871			Recovery = 92.58%			
59) Chlorobenzene-d5	8.428	117	158431	10.000	ug/L	0.00
Standard Area 1 = 164408			Recovery = 96.36%			
79) 1,4-Dichlorobenzene-d4	9.923	152	72027	10.000	ug/L	0.00
Standard Area 1 = 79243			Recovery = 90.89%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.402	113	54094	10.227	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.27%			
43) 1,2-Dichloroethane-d4	5.049	65	57805	10.244	ug/L	-0.01
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.44%			
60) Toluene-d8	7.109	98	204229	10.027	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.27%			
83) 4-Bromofluorobenzene	9.254	95	76094	10.126	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.26%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.935	85	644503	126.396	ug/L	98
3) Chloromethane	1.053	50	825498	111.780	ug/L	99
4) Vinyl chloride	1.106	62	816530	126.017	ug/L	96
5) Bromomethane	1.304	94	449087	142.996	ug/L	98
6) Chloroethane	1.382	64	367912	102.005	ug/L	100
7) Trichlorofluoromethane	1.471	101	943422	130.276	ug/L	96
8) Ethyl ether	1.705	74	325607	121.727	ug/L	91
10) 1,1-Dichloroethene	1.831	96	585432	128.585	ug/L #	75
11) Carbon disulfide	1.836	76	1671104	125.435	ug/L	97
12) Freon-113	1.870	101	588968	122.220	ug/L	95
13) Iodomethane	1.928	142	892635	142.912	ug/L	84
14) Acrolein	2.098	56	103741	128.108	ug/L	94
15) Methylene chloride	2.302	84	653481	122.223	ug/L	90
17) Acetone	2.355	43	175438	112.038	ug/L	98
18) trans-1,2-Dichloroethene	2.444	96	661976	126.773	ug/L	83
19) Methyl acetate	2.480	43	484792	116.163	ug/L #	98
20) Methyl tert-butyl ether	2.567	73	1700847	115.473	ug/L	97
21) tert-Butyl alcohol	2.712	59	359458	540.827	ug/L #	63
22) Diisopropyl ether	2.979	45	2816348	119.446	ug/L	100
23) 1,1-Dichloroethane	3.060	63	1246305	124.766	ug/L	98
24) Halothane	3.203	117	534524	131.277	ug/L	99

Data Path : I:\VOLATILES\VOA108\2020\200623N\
Data File : V08200623N12.D
Acq On : 23 Jun 2020 7:45 pm
Operator : VOA108:NLK
Sample : I8260STDL120.0PPB
Misc : WG1385357
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 24 10:21:34 2020
Quant Method : I:\VOLATILES\VOA108\2020\200623N\V108_200623N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jun 24 10:05:18 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2020\200623N\V08200623N09.D
Sub List : 8260-CurvePenta - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	3.122	53	238942	111.267	ug/L		95
26) Ethyl tert-butyl ether	3.409	59	2450436	121.605	ug/L		88
27) Vinyl acetate	3.412	43	1848955	131.071	ug/L		100
28) cis-1,2-Dichloroethene	3.727	96	733694	122.238	ug/L	#	71
29) 2,2-Dichloropropane	3.858	77	925079	120.186	ug/L		97
30) Bromochloromethane	3.995	128	344446	120.703	ug/L	#	71
31) Cyclohexane	3.967	56	1355199	126.597	ug/L		90
32) Chloroform	4.159	83	1159461	117.761	ug/L		98
33) Ethyl acetate	4.396	43	700793M1	114.539	ug/L		
34) Carbon tetrachloride	4.279	117	888303	123.906	ug/L		96
35) Tetrahydrofuran	4.338	42	186923	103.904	ug/L	#	74
37) 1,1,1-Trichloroethane	4.377	97	1087858	120.614	ug/L	#	98
39) 2-Butanone	4.586	43	331158	134.809	ug/L	#	68
40) 1,1-Dichloropropene	4.555	75	846791	124.881	ug/L		93
41) Benzene	4.870	78	2541954	124.660	ug/L		97
42) tert-Amyl methyl ether	5.099	73	1917117	117.353	ug/L		93
44) 1,2-Dichloroethane	5.132	62	931645	118.264	ug/L		98
47) Methyl cyclohexane	5.556	83	1120845	121.724	ug/L		90
48) Trichloroethene	5.598	95	700122	120.761	ug/L		94
50) Dibromomethane	6.047	93	392906	125.074	ug/L		96
51) 1,2-Dichloropropane	6.159	63	760786	123.990	ug/L	#	93
53) 2-Chloroethyl vinyl ether	6.920	63	486367	121.911	ug/L		95
54) Bromodichloromethane	6.270	83	946228	124.426	ug/L		99
57) 1,4-Dioxane	6.496	88	48993	1152.089	ug/L	#	85
58) cis-1,3-Dichloropropene	6.931	75	1103322	125.326	ug/L		97
61) Toluene	7.157	92	1657879	117.727	ug/L		95
62) 4-Methyl-2-pentanone	7.572	58	271441	110.359	ug/L	#	87
63) Tetrachloroethene	7.522	166	712345	118.840	ug/L		90
65) trans-1,3-Dichloropropene	7.595	75	977550	121.029	ug/L		94
67) Ethyl methacrylate	7.784	69	789931	116.545	ug/L		99
68) 1,1,2-Trichloroethane	7.726	83	468505	113.655	ug/L		94
69) Chlorodibromomethane	7.865	129	726353	119.348	ug/L		96
70) 1,3-Dichloropropane	7.940	76	938019	114.145	ug/L		99
71) 1,2-Dibromoethane	8.024	107	588408	118.289	ug/L		99
72) 2-Hexanone	8.267	43	506453	110.814	ug/L		98
73) Chlorobenzene	8.442	112	1831528	115.002	ug/L		89
74) Ethylbenzene	8.481	91	3027482	114.715	ug/L		96
75) 1,1,1,2-Tetrachloroethane	8.501	131	694719	116.247	ug/L		94
76) p/m Xylene	8.590	106	2409567	229.037	ug/L		90
77) o Xylene	8.877	106	2323528	218.797	ug/L		85

Data Path : I:\VOLATILES\VOA108\2020\200623N\
Data File : V08200623N12.D
Acq On : 23 Jun 2020 7:45 pm
Operator : VOA108:NLK
Sample : I8260STDL120.0PPB
Misc : WG1385357
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 24 10:21:34 2020
Quant Method : I:\VOLATILES\VOA108\2020\200623N\V108_200623N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jun 24 10:05:18 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2020\200623N\V08200623N09.D
Sub List : 8260-CurvePenta - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Styrene	8.914	104	3834133	223.378	ug/L	89
80) Bromoform	8.919	173	378015	119.890	ug/L	96
82) Isopropylbenzene	9.087	105	2911918	116.448	ug/L	94
84) Bromobenzene	9.310	156	706885	118.695	ug/L	97
85) n-Propylbenzene	9.346	91	3308902	115.892	ug/L	93
86) 1,4-Dichlorobutane	9.352	55	1039665	111.457	ug/L	93
87) 1,1,2,2-Tetrachloroethane	9.402	83	645005	112.879	ug/L	100
88) 4-Ethyltoluene	9.416	105	2852873	115.410	ug/L	94
89) 2-Chlorotoluene	9.430	91	2269434	114.946	ug/L	92
90) 1,3,5-Trimethylbenzene	9.471	105	2367202	114.507	ug/L	87
91) 1,2,3-Trichloropropane	9.469	75	477787	111.552	ug/L	95
92) trans-1,4-Dichloro-2-b...	9.502	53	215462	110.476	ug/L	86
93) 4-Chlorotoluene	9.533	91	2026206	112.894	ug/L	91
94) tert-Butylbenzene	9.658	119	2504299	113.526	ug/L	88
95) Pentachloroethane	9.667	167	430926	119.544	ug/L	90
97) 1,2,4-Trimethylbenzene	9.700	105	2339768	114.223	ug/L	88
98) sec-Butylbenzene	9.761	105	2923608	112.954	ug/L	97
99) p-Isopropyltoluene	9.851	119	2675881	113.267	ug/L	95
100) 1,3-Dichlorobenzene	9.879	146	1373183	115.667	ug/L	98
101) 1,4-Dichlorobenzene	9.934	146	1368862	114.970	ug/L	97
102) p-Diethylbenzene	10.060	119	1640778	116.874	ug/L	91
103) n-Butylbenzene	10.091	91	2245326	112.846	ug/L	96
104) 1,2-Dichlorobenzene	10.171	146	1291891	115.093	ug/L	98
105) 1,2,4,5-Tetramethylben...	10.514	119	2681902	120.397	ug/L	97
106) 1,2-Dibromo-3-chloropr...	10.629	155	109762	124.327	ug/L	91
107) 1,3,5-Trichlorobenzene	10.645	180	937583	124.128	ug/L	95
108) Hexachlorobutadiene	10.991	225	335858	126.357	ug/L	96
109) 1,2,4-Trichlorobenzene	11.005	180	864716	126.063	ug/L	97
110) Naphthalene	11.184	128	2173114	123.482	ug/L	100
111) 1,2,3-Trichlorobenzene	11.287	180	777618	127.266	ug/L	97

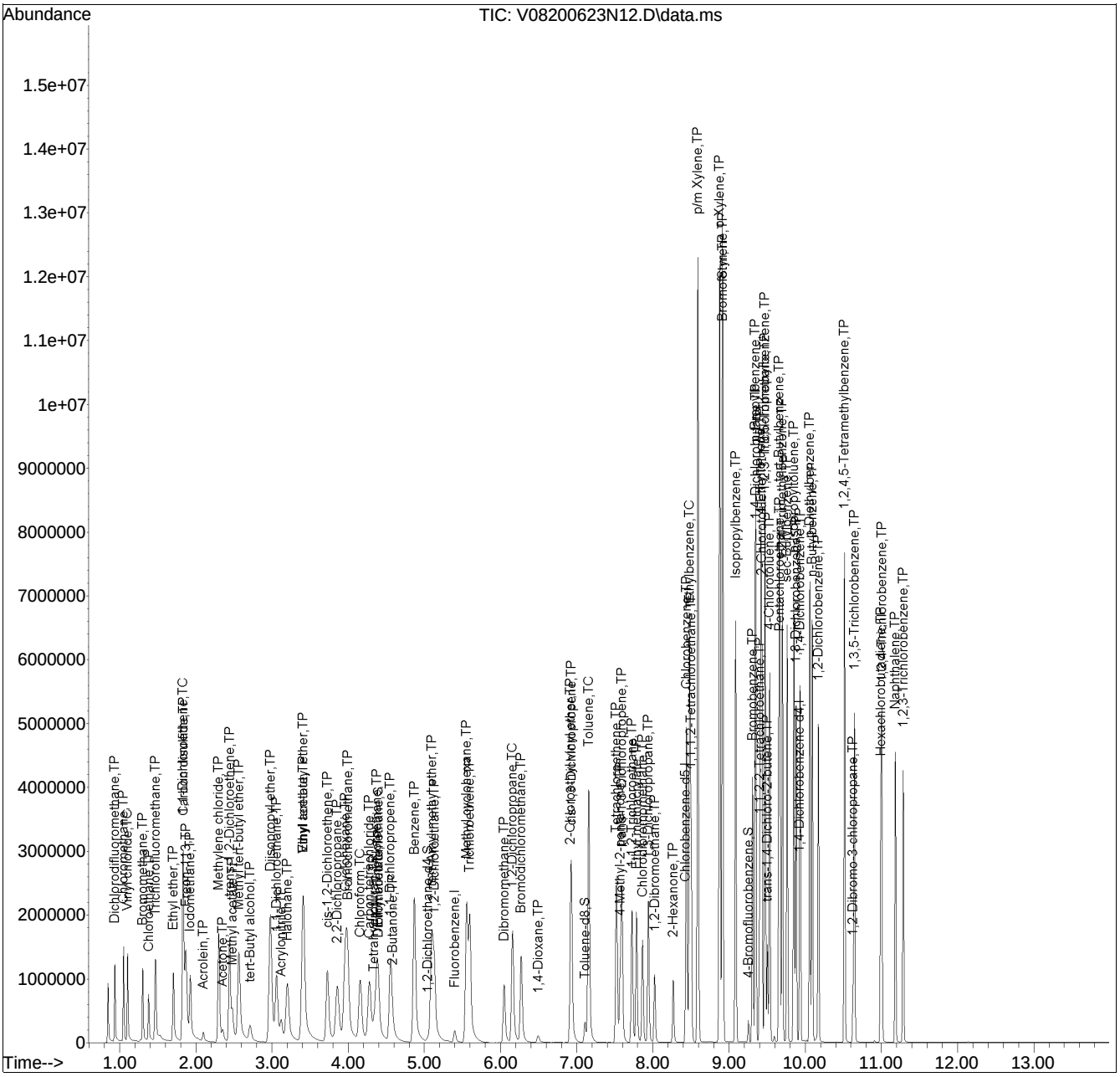
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2020\200623N\
Data File : V08200623N12.D
Acq On : 23 Jun 2020 7:45 pm
Operator : VOA108:NLK
Sample : I8260STDL120.0PPB
Misc : WG1385357
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 24 10:21:34 2020
Quant Method : I:\VOLATILES\VOA108\2020\200623N\V108_200623N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jun 24 10:05:18 2020
Response via : Initial Calibration

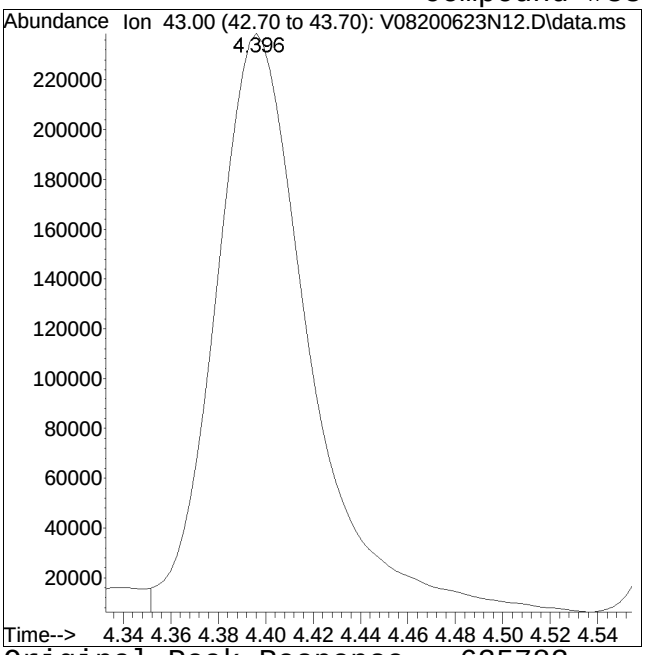
Sub List : 8260-CurvePenta - All compounds listed08200623N09.D•



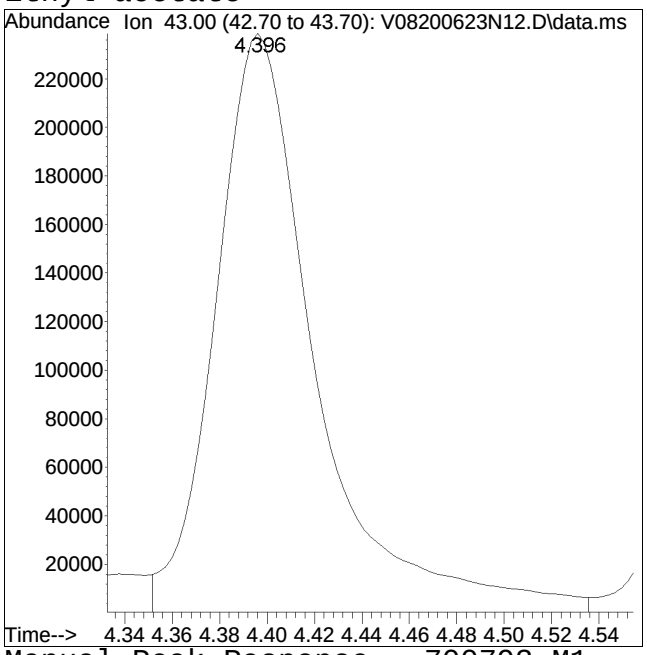
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200623N12.D Operator : VOA108:NLK
Date Inj'd : 6/23/2020 7:45 pm Instrument : VOA 108
Sample : I8260STDL120.0PPB Quant Date : 6/24/2020 10:06 am

Compound #33: Ethyl acetate



Original Peak Response = 635783



Manual Peak Response = 700793 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2020\200623N\
Data File : V08200623N13.D
Acq On : 23 Jun 2020 8:07 pm
Operator : VOA108:NLK
Sample : I8260STDL200.0PPB
Misc : WG1385357
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 24 10:22:13 2020
Quant Method : I:\VOLATILES\VOA108\2020\200623N\V108_200623N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jun 24 10:05:18 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2020\200623N\V08200623N09.D
Sub List : 8260-CurvePenta - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.400	96	203569	10.000	ug/L	0.00
Standard Area 1 = 214871			Recovery = 94.74%			
59) Chlorobenzene-d5	8.428	117	154021	10.000	ug/L	0.00
Standard Area 1 = 164408			Recovery = 93.68%			
79) 1,4-Dichlorobenzene-d4	9.926	152	69893	10.000	ug/L	0.00
Standard Area 1 = 79243			Recovery = 88.20%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.404	113	52642	9.726	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.26%			
43) 1,2-Dichloroethane-d4	5.051	65	57964	10.037	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.37%			
60) Toluene-d8	7.109	98	200223	10.112	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.12%			
83) 4-Bromofluorobenzene	9.254	95	74054	10.155	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.55%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.938	85	1037333	198.795	ug/L	99
3) Chloromethane	1.052	50	1362006	180.221	ug/L	99
4) Vinyl chloride	1.105	62	1326725	200.086	ug/L	97
5) Bromomethane	1.303	94	760551	236.647	ug/L	98
6) Chloroethane	1.381	64	598296	162.097	ug/L	100
7) Trichlorofluoromethane	1.468	101	1382473	186.549	ug/L	96
8) Ethyl ether	1.708	74	552834	201.961	ug/L	87
10) 1,1-Dichloroethene	1.828	96	974957	209.257	ug/L #	73
11) Carbon disulfide	1.836	76	2690983	197.382	ug/L	96
12) Freon-113	1.867	101	969900	196.678	ug/L	97
13) Iodomethane	1.928	142	1392876	217.915	ug/L	86
14) Acrolein	2.098	56	179166	216.203	ug/L	95
15) Methylene chloride	2.302	84	1057230	193.227	ug/L	89
17) Acetone	2.355	43	287121	179.178	ug/L	100
18) trans-1,2-Dichloroethene	2.444	96	1073361	200.868	ug/L	83
19) Methyl acetate	2.480	43	803368	188.108	ug/L	98
20) Methyl tert-butyl ether	2.567	73	2776411	184.196	ug/L	97
21) tert-Butyl alcohol	2.720	59	584673	859.613	ug/L #	57
22) Diisopropyl ether	2.979	45	4517039	187.206	ug/L	99
23) 1,1-Dichloroethane	3.060	63	2011319	196.759	ug/L	99
24) Halothane	3.202	117	856096	205.458	ug/L	97

Data Path : I:\VOLATILES\VOA108\2020\200623N\
Data File : V08200623N13.D
Acq On : 23 Jun 2020 8:07 pm
Operator : VOA108:NLK
Sample : I8260STDL200.0PPB
Misc : WG1385357
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 24 10:22:13 2020
Quant Method : I:\VOLATILES\VOA108\2020\200623N\V108_200623N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jun 24 10:05:18 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2020\200623N\V08200623N09.D
Sub List : 8260-CurvePenta - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	3.124	53	384804	175.103	ug/L		96
26) Ethyl tert-butyl ether	3.409	59	3960221	192.048	ug/L		87
27) Vinyl acetate	3.412	43	3013351	208.742	ug/L		98
28) cis-1,2-Dichloroethene	3.727	96	1140472	185.676	ug/L	#	76
29) 2,2-Dichloropropane	3.858	77	1489466	189.098	ug/L		98
30) Bromochloromethane	3.997	128	542276	185.694	ug/L	#	71
31) Cyclohexane	3.964	56	2176583	198.689	ug/L		90
32) Chloroform	4.159	83	1885348	187.118	ug/L		98
33) Ethyl acetate	4.396	43	1121182M1	179.069	ug/L		
34) Carbon tetrachloride	4.279	117	1439520	196.214	ug/L		96
35) Tetrahydrofuran	4.337	42	300864	163.425	ug/L	#	76
37) 1,1,1-Trichloroethane	4.376	97	1753796	190.013	ug/L	#	98
39) 2-Butanone	4.588	43	524454	208.627	ug/L	#	63
40) 1,1-Dichloropropene	4.555	75	1360337	196.041	ug/L		93
41) Benzene	4.870	78	4116509	197.274	ug/L		97
42) tert-Amyl methyl ether	5.099	73	3104531	185.704	ug/L		94
44) 1,2-Dichloroethane	5.132	62	1503687	186.526	ug/L		98
47) Methyl cyclohexane	5.556	83	1818386	192.972	ug/L		89
48) Trichloroethene	5.598	95	1131108	190.650	ug/L		95
50) Dibromomethane	6.047	93	643250	200.095	ug/L		97
51) 1,2-Dichloropropane	6.158	63	1235720	196.799	ug/L	#	93
53) 2-Chloroethyl vinyl ether	6.920	63	792821	194.193	ug/L		96
54) Bromodichloromethane	6.273	83	1533593	197.063	ug/L		98
57) 1,4-Dioxane	6.501	88	77116	1772.052	ug/L		89
58) cis-1,3-Dichloropropene	6.931	75	1789659	198.650	ug/L		99
61) Toluene	7.160	92	2678066	195.616	ug/L		94
62) 4-Methyl-2-pentanone	7.572	58	434185	181.580	ug/L	#	89
63) Tetrachloroethene	7.522	166	1142528	196.064	ug/L		89
65) trans-1,3-Dichloropropene	7.595	75	1575832	200.688	ug/L		95
67) Ethyl methacrylate	7.787	69	1256746	190.727	ug/L		99
68) 1,1,2-Trichloroethane	7.726	83	756987	188.895	ug/L		94
69) Chlorodibromomethane	7.865	129	1165660	197.015	ug/L		96
70) 1,3-Dichloropropane	7.940	76	1503074	188.142	ug/L		100
71) 1,2-Dibromoethane	8.024	107	939847	194.349	ug/L		99
72) 2-Hexanone	8.267	43	801705	180.440	ug/L		97
73) Chlorobenzene	8.442	112	2902992	187.498	ug/L		89
74) Ethylbenzene	8.484	91	4762554	185.626	ug/L		96
75) 1,1,1,2-Tetrachloroethane	8.501	131	1103065	189.860	ug/L		94
76) p/m Xylene	8.593	106	3763752	368.001	ug/L		88
77) o Xylene	8.877	106	3622553	350.888	ug/L		83

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2020\200623N\
Data File : V08200623N13.D
Acq On : 23 Jun 2020 8:07 pm
Operator : VOA108:NLK
Sample : I8260STDL200.0PPB
Misc : WG1385357
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 24 10:22:13 2020
Quant Method : I:\VOLATILES\VOA108\2020\200623N\V108_200623N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jun 24 10:05:18 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2020\200623N\V08200623N09.D
Sub List : 8260-CurvePenta - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
78) Styrene	8.916	104	5890888	353.033	ug/L		90
80) Bromoform	8.919	173	606660	198.281	ug/L		96
82) Isopropylbenzene	9.086	105	4480926	184.665	ug/L		94
84) Bromobenzene	9.310	156	1128673	195.306	ug/L		98
85) n-Propylbenzene	9.349	91	5063645	182.766	ug/L		92
86) 1,4-Dichlorobutane	9.351	55	1627062	179.754	ug/L		93
87) 1,1,2,2-Tetrachloroethane	9.402	83	1033321	186.357	ug/L		100
88) 4-Ethyltoluene	9.418	105	4399673	183.418	ug/L		93
89) 2-Chlorotoluene	9.429	91	3533658	184.444	ug/L		92
90) 1,3,5-Trimethylbenzene	9.474	105	3645209	181.710	ug/L	#	86
91) 1,2,3-Trichloropropane	9.469	75	786102	189.140	ug/L		97
92) trans-1,4-Dichloro-2-b...	9.502	53	342782	181.124	ug/L	#	84
93) 4-Chlorotoluene	9.533	91	3166334	181.806	ug/L		91
94) tert-Butylbenzene	9.658	119	3902149	182.295	ug/L		88
95) Pentachloroethane	9.666	167	695152	198.731	ug/L		91
97) 1,2,4-Trimethylbenzene	9.700	105	3628604	182.550	ug/L		88
98) sec-Butylbenzene	9.761	105	4446836	177.050	ug/L		96
99) p-Isopropyltoluene	9.851	119	4130020	180.157	ug/L		94
100) 1,3-Dichlorobenzene	9.881	146	2164639	187.900	ug/L		99
101) 1,4-Dichlorobenzene	9.934	146	2196132	190.083	ug/L		98
102) p-Diethylbenzene	10.060	119	2555075	187.558	ug/L		91
103) n-Butylbenzene	10.093	91	3454345	178.910	ug/L		95
104) 1,2-Dichlorobenzene	10.174	146	2054804	188.649	ug/L		98
105) 1,2,4,5-Tetramethylben...	10.517	119	4188769	193.786	ug/L		97
106) 1,2-Dibromo-3-chloropr...	10.629	155	180965	211.236	ug/L		92
107) 1,3,5-Trichlorobenzene	10.645	180	1498227	204.408	ug/L		95
108) Hexachlorobutadiene	10.991	225	537781	208.502	ug/L		96
109) 1,2,4-Trichlorobenzene	11.005	180	1387210	208.410	ug/L		97
110) Naphthalene	11.184	128	3477972	203.661	ug/L		100
111) 1,2,3-Trichlorobenzene	11.287	180	1251230	211.031	ug/L		98

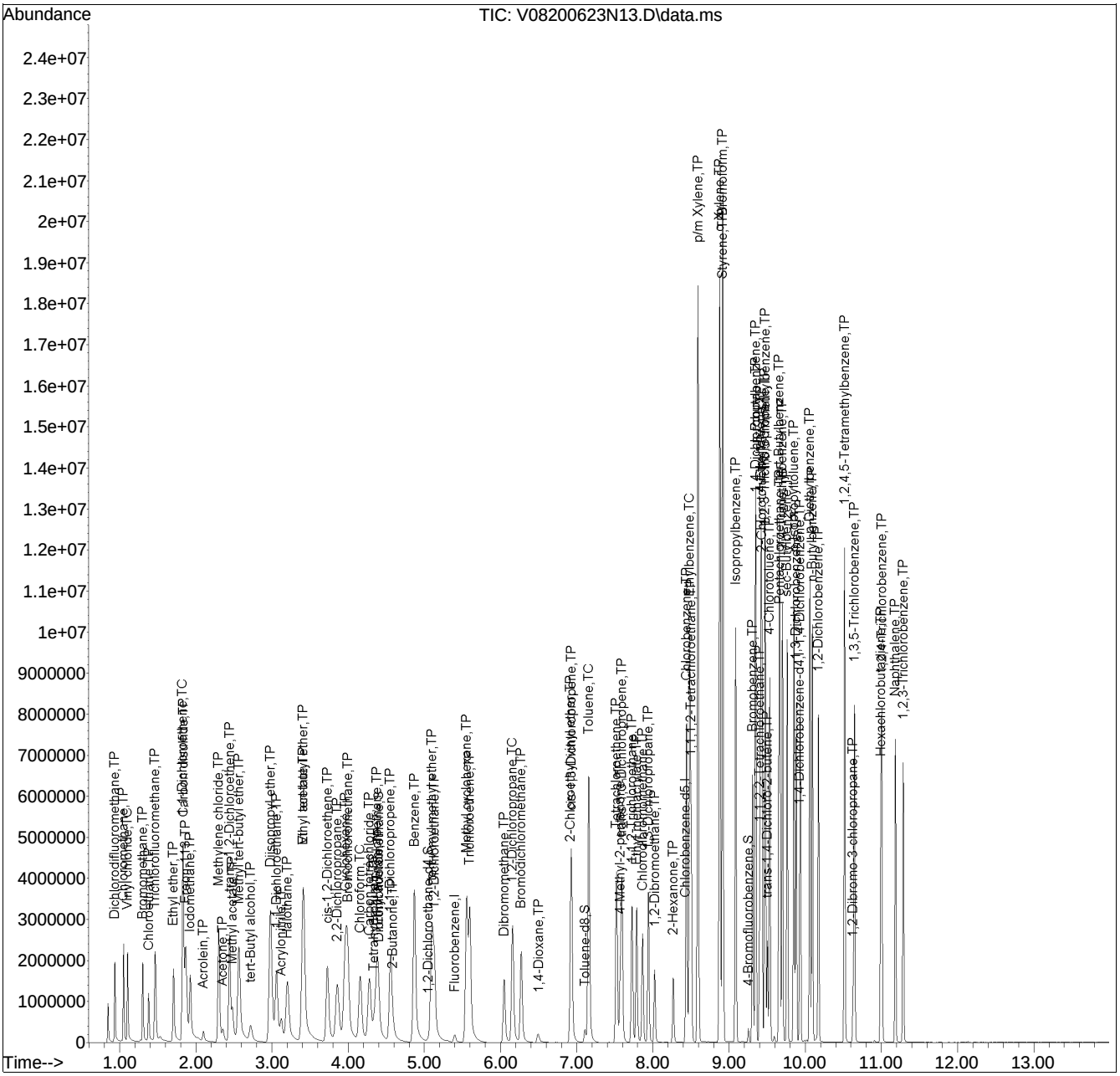
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2020\200623N\
Data File : V08200623N13.D
Acq On : 23 Jun 2020 8:07 pm
Operator : VOA108:NLK
Sample : I8260STDL200.0PPB
Misc : WG1385357
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 24 10:22:13 2020
Quant Method : I:\VOLATILES\VOA108\2020\200623N\V108_200623N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jun 24 10:05:18 2020
Response via : Initial Calibration

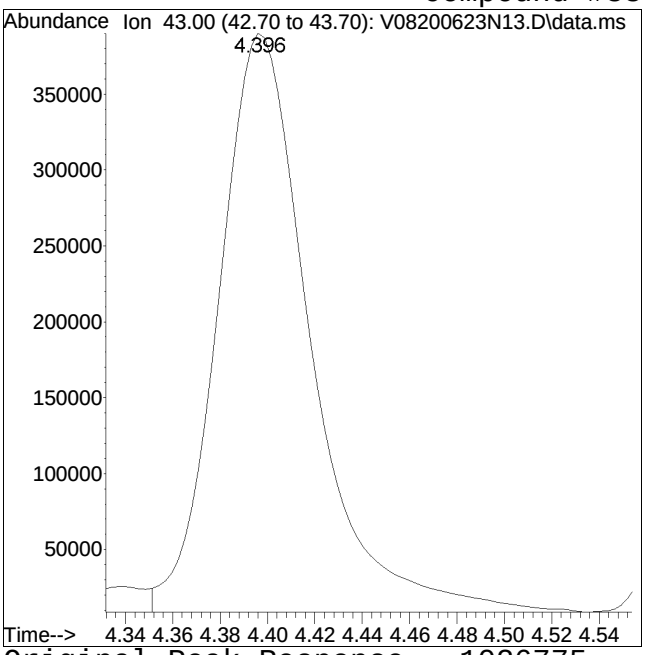
Sub List : 8260-CurvePenta - All compounds listed08200623N09.D•

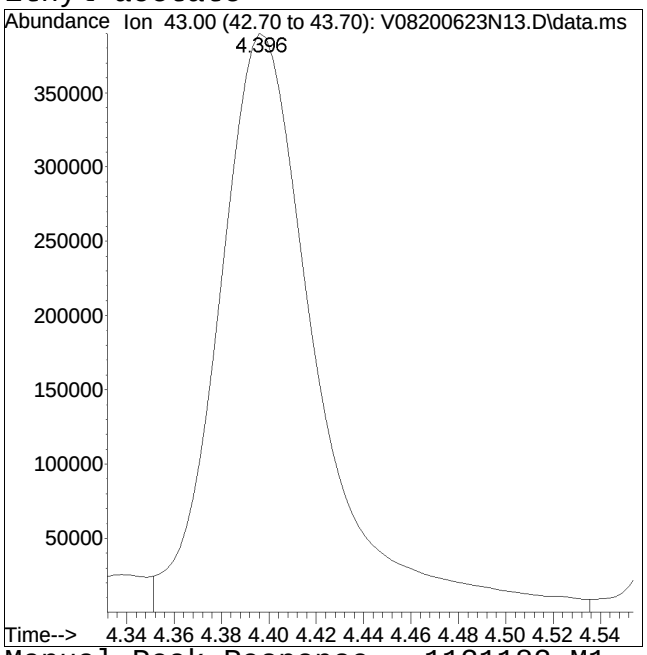


Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200623N13.D Operator : VOA108:NLK
Date Inj'd : 6/23/2020 8:07 pm Instrument : VOA 108
Sample : I8260STDL200.0PPB Quant Date : 6/24/2020 10:06 am

Compound #33: Ethyl acetate





Original Peak Response = 1026775 Manual Peak Response = 1121182 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA108\2020\200623N\
Data File : V08200623N19.D
Acq On : 23 Jun 2020 10:19 pm
Operator : VOA108:NLK
Sample : C8260STDL10.0PPB
Misc : WG1385357
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 24 10:30:17 2020
Quant Method : I:\VOLATILES\VOA108\2020\200623N\V108_200623N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jun 24 10:26:22 2020
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	98	0.00
2	TP	Dichlorodifluoromethane	0.249	0.249	0.0	96	0.00
3	TP	Chloromethane	0.341	0.385	-12.9	102	0.00
4	TC	Vinyl chloride	0.304	0.326	-7.2	98	0.00
5	TP	Bromomethane	0.167	0.222	-32.9#	138	0.00
6	TP	Chloroethane	0.160	0.159	0.6	86	0.00
7	TP	Trichlorofluoromethane	0.355	0.361	-1.7	97	0.00
8	TP	Ethyl ether	0.130	0.125	3.8	91	0.00
10	TC	1,1-Dichloroethene	0.229	0.224	2.2	96	0.00
11	TP	Carbon disulfide	0.641	0.601	6.2	88	0.00
12	TP	Freon-113	0.224	0.219	2.2	89	0.00
13	TP	Iodomethane	0.332	0.145	56.3#	45#	0.00
14	TP	Acrolein	0.042	0.040#	4.8	98	0.00
15	TP	Methylene chloride	0.284	0.260	8.5	95	0.00
17	TP	Acetone	0.076	0.080#	-5.3	99	0.00
18	TP	trans-1,2-Dichloroethene	0.264	0.249	5.7	93	0.00
19	TP	Methyl acetate	0.208	0.208	0.0	97	0.00
20	TP	Methyl tert-butyl ether	0.701	0.699	0.3	93	0.00
21	TP	tert-Butyl alcohol	0.032	0.031#	3.1	92	0.00
22	TP	Diisopropyl ether	1.164	1.108	4.8	92	0.00
23	TP	1,1-Dichloroethane	0.499	0.516	-3.4	101	0.00
24	TP	Halothane	0.205	0.202	1.5	97	0.00
25	TP	Acrylonitrile	0.103	0.113	-9.7	103	0.00
26	TP	Ethyl tert-butyl ether	1.002	1.003	-0.1	97	0.00
27	TP	Vinyl acetate	0.702	0.673	4.1	93	0.00
28	TP	cis-1,2-Dichloroethene	0.294	0.291	1.0	95	0.00
29	TP	2,2-Dichloropropane	0.379	0.346	8.7	88	-0.01
30	TP	Bromochloromethane	0.136	0.147	-8.1	101	-0.01
31	TP	Cyclohexane	0.527	0.528	-0.2	96	0.00
32	TC	Chloroform	0.496	0.500	-0.8	99	0.00
33	TP	Ethyl acetate	0.285	0.249	12.6	80	0.00
34	TP	Carbon tetrachloride	0.345	0.343	0.6	93	0.00
35	TP	Tetrahydrofuran	0.079	0.072	8.9	79	0.00
36	S	Dibromofluoromethane	0.269	0.260	3.3	96	0.00
37	TP	1,1,1-Trichloroethane	0.435	0.448	-3.0	97	0.00
39	TP	2-Butanone	0.124	0.129	-4.0	102	0.00
40	TP	1,1-Dichloropropene	0.334	0.348	-4.2	100	0.00
41	TP	Benzene	1.024	1.018	0.6	98	0.00
42	TP	tert-Amyl methyl ether	0.800	0.737	7.9	88	-0.01

Data Path : I:\VOLATILES\VOA108\2020\200623N\
Data File : V08200623N19.D
Acq On : 23 Jun 2020 10:19 pm
Operator : VOA108:NLK
Sample : C8260STDL10.0PPB
Misc : WG1385357
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 24 10:30:17 2020
Quant Method : I:\VOLATILES\VOA108\2020\200623N\V108_200623N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jun 24 10:26:22 2020
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
43	S	1,2-Dichloroethane-d4	0.295	0.295	0.0	102	0.00
44	TP	1,2-Dichloroethane	0.379	0.392	-3.4	97	0.00
47	TP	Methyl cyclohexane	0.452	0.395	12.6	84	0.00
48	TP	Trichloroethene	0.307	0.292	4.9	98	0.00
50	TP	Dibromomethane	0.157	0.156	0.6	97	0.00
51	TC	1,2-Dichloropropane	0.308	0.307	0.3	98	0.00
53	TP	2-Chloroethyl vinyl ether	0.193	0.202	-4.7	99	0.00
54	TP	Bromodichloromethane	0.399	0.389	2.5	100	0.00
57	TP	1,4-Dioxane	0.00206	0.00141#	31.6#	65	0.00
58	TP	cis-1,3-Dichloropropene	0.444	0.407	8.3	90	0.00
59	I	Chlorobenzene-d5	1.000	1.000	0.0	97	0.00
60	S	Toluene-d8	1.294	1.282	0.9	97	0.00
61	TC	Toluene	0.858	0.884	-3.0	97	0.00
62	TP	4-Methyl-2-pentanone	0.154	0.165	-7.1	103	0.00
63	TP	Tetrachloroethene	0.357	0.403	-12.9	104	0.00
65	TP	trans-1,3-Dichloropropene	0.500	0.499	0.2	95	0.00
67	TP	Ethyl methacrylate	0.432	0.448	-3.7	102	0.00
68	TP	1,1,2-Trichloroethane	0.257	0.260	-1.2	97	0.00
69	TP	Chlorodibromomethane	0.379	0.380	-0.3	96	0.00
70	TP	1,3-Dichloropropane	0.497	0.528	-6.2	99	0.00
71	TP	1,2-Dibromoethane	0.308	0.318	-3.2	99	0.00
72	TP	2-Hexanone	0.270	0.301	-11.5	102	0.00
73	TP	Chlorobenzene	0.966	1.006	-4.1	97	0.00
74	TC	Ethylbenzene	1.574	1.687	-7.2	99	0.00
75	TP	1,1,1,2-Tetrachloroethane	0.360	0.392	-8.9	101	0.00
76	TP	p/m Xylene	0.632	0.676	-7.0	99	0.00
77	TP	o Xylene	0.617	0.659	-6.8	96	0.00
78	TP	Styrene	1.017	1.095	-7.7	98	0.00
79	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	97	0.00
80	TP	Bromoform	0.431	0.426	1.2	94	0.00
82	TP	Isopropylbenzene	3.313	3.531	-6.6	98	0.00
83	S	4-Bromofluorobenzene	1.052	1.044	0.8	97	0.00
84	TP	Bromobenzene	0.803	0.839	-4.5	98	0.00
85	TP	n-Propylbenzene	3.790	3.970	-4.7	97	0.00
86	TP	1,4-Dichlorobutane	1.268	1.409	-11.1	105	0.00
87	TP	1,1,2,2-Tetrachloroethane	0.804	0.792	1.5	97	0.00
88	TP	4-Ethyltoluene	3.256	3.493	-7.3	99	0.00

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA108\2020\200623N\
Data File : V08200623N19.D
Acq On : 23 Jun 2020 10:19 pm
Operator : VOA108:NLK
Sample : C8260STDL10.0PPB
Misc : WG1385357
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 24 10:30:17 2020
Quant Method : I:\VOLATILES\VOA108\2020\200623N\V108_200623N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jun 24 10:26:22 2020
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
89 TP	2-Chlorotoluene	2.631	2.781	-5.7	98	0.00
90 TP	1,3,5-Trimethylbenzene	2.727	2.892	-6.1	98	0.00
91 TP	1,2,3-Trichloropropane	0.591	0.613	-3.7	100	0.00
92 TP	trans-1,4-Dichloro-2-butene	0.267	0.269	-0.7	96	0.00
93 TP	4-Chlorotoluene	2.381	2.492	-4.7	97	0.00
94 TP	tert-Butylbenzene	2.918	2.960	-1.4	94	0.00
95 TP	Pentachloroethane	0.489	0.370	24.3#	72	0.00
97 TP	1,2,4-Trimethylbenzene	2.744	2.976	-8.5	101	0.00
98 TP	sec-Butylbenzene	3.390	3.620	-6.8	98	0.00
99 TP	p-Isopropyltoluene	3.099	3.335	-7.6	98	0.00
100 TP	1,3-Dichlorobenzene	1.587	1.672	-5.4	98	0.00
101 TP	1,4-Dichlorobenzene	1.606	1.695	-5.5	99	0.00
102 TP	p-Diethylbenzene	1.870	1.885	-0.8	94	0.00
103 TP	n-Butylbenzene	2.612	2.757	-5.6	97	0.00
104 TP	1,2-Dichlorobenzene	1.498	1.579	-5.4	98	0.00
105 TP	1,2,4,5-Tetramethylbenzene	3.027	3.064	-1.2	96	0.00
106 TP	1,2-Dibromo-3-chloropropane	0.121	0.125	-3.3	99	0.00
107 TP	1,3,5-Trichlorobenzene	1.045	1.009	3.4	93	0.00
108 TP	Hexachlorobutadiene	0.372	0.355	4.6	93	0.00
109 TP	1,2,4-Trichlorobenzene	0.956	0.967	-1.2	98	0.00
110 TP	Naphthalene	2.470	2.470	0.0	98	0.00
111 TP	1,2,3-Trichlorobenzene	0.856	0.884	-3.3	101	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 4 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2020\200623N\
Data File : V08200623N19.D
Acq On : 23 Jun 2020 10:19 pm
Operator : VOA108:NLK
Sample : C8260STDL10.0PPB
Misc : WG1385357
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 24 10:30:17 2020
Quant Method : I:\VOLATILES\VOA108\2020\200623N\V108_200623N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jun 24 10:26:22 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2020\200623N\V08200623N09.D
Sub List : 8260-CurvePenta - All compounds listed

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.400	96	211032	10.000 ug/L	0.00
Standard Area 1 = 214871			Recovery = 98.21%		
59) Chlorobenzene-d5	8.429	117	160033	10.000 ug/L	0.00
Standard Area 1 = 164408			Recovery = 97.34%		
79) 1,4-Dichlorobenzene-d4	9.923	152	76712	10.000 ug/L	0.00
Standard Area 1 = 79243			Recovery = 96.81%		
System Monitoring Compounds					
36) Dibromofluoromethane	4.405	113	54867	9.667 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.67%		
43) 1,2-Dichloroethane-d4	5.051	65	62263	10.004 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.04%		
60) Toluene-d8	7.109	98	205226	9.910 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.10%		
83) 4-Bromofluorobenzene	9.254	95	80076	9.923 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.23%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.938	85	52633	10.033 ug/L	99
3) Chloromethane	1.053	50	81153	11.288 ug/L	98
4) Vinyl chloride	1.106	62	68877	10.737 ug/L	98
5) Bromomethane	1.304	94	46925	13.293 ug/L	98
6) Chloroethane	1.382	64	33476	9.924 ug/L	93
7) Trichlorofluoromethane	1.476	101	76221	10.176 ug/L	95
8) Ethyl ether	1.705	74	26359	9.621 ug/L	91
10) 1,1-Dichloroethene	1.831	96	47193	9.752 ug/L #	72
11) Carbon disulfide	1.839	76	126789	9.373 ug/L	98
12) Freon-113	1.872	101	46121	9.739 ug/L	98
13) Iodomethane	1.931	142	30532M1	4.353 ug/L	
14) Acrolein	2.098	56	8544	9.539 ug/L	88
15) Methylene chloride	2.302	84	54845	9.163 ug/L	94
17) Acetone	2.355	43	16818	10.428 ug/L	99
18) trans-1,2-Dichloroethene	2.447	96	52583	9.442 ug/L	87
19) Methyl acetate	2.483	43	43951	10.032 ug/L	99
20) Methyl tert-butyl ether	2.567	73	147460M1	9.972 ug/L	
21) tert-Butyl alcohol	2.712	59	32930M1	49.286 ug/L	
22) Diisopropyl ether	2.980	45	233731	9.518 ug/L	98
23) 1,1-Dichloroethane	3.060	63	108851	10.343 ug/L	97
24) Halothane	3.205	117	42654M1	9.848 ug/L	

Data Path : I:\VOLATILES\VOA108\2020\200623N\
Data File : V08200623N19.D
Acq On : 23 Jun 2020 10:19 pm
Operator : VOA108:NLK
Sample : C8260STDL10.0PPB
Misc : WG1385357
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 24 10:30:17 2020
Quant Method : I:\VOLATILES\VOA108\2020\200623N\V108_200623N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jun 24 10:26:22 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2020\200623N\V08200623N09.D
Sub List : 8260-CurvePenta - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	3.125	53	23838M1	11.020	ug/L		
26) Ethyl tert-butyl ether	3.412	59	211626M1	10.011	ug/L		
27) Vinyl acetate	3.415	43	142017	9.591	ug/L		99
28) cis-1,2-Dichloroethene	3.730	96	61313M1	9.869	ug/L		
29) 2,2-Dichloropropane	3.861	77	72919M1	9.111	ug/L		
30) Bromochloromethane	3.995	128	30991M1	10.795	ug/L		
31) Cyclohexane	3.970	56	111415M1	10.018	ug/L		
32) Chloroform	4.162	83	105547M1	10.087	ug/L		
33) Ethyl acetate	4.405	43	52590	8.750	ug/L	#	83
34) Carbon tetrachloride	4.282	117	72398	9.955	ug/L		96
35) Tetrahydrofuran	4.352	42	15265M1	9.178	ug/L		
37) 1,1,1-Trichloroethane	4.379	97	94513M1	10.305	ug/L		
39) 2-Butanone	4.594	43	27181	10.393	ug/L	#	59
40) 1,1-Dichloropropene	4.558	75	73464M1	10.433	ug/L		
41) Benzene	4.870	78	214897	9.943	ug/L		97
42) tert-Amyl methyl ether	5.099	73	155565	9.215	ug/L		93
44) 1,2-Dichloroethane	5.135	62	82728	10.340	ug/L		97
47) Methyl cyclohexane	5.559	83	83372M1	8.747	ug/L		
48) Trichloroethene	5.598	95	61650M1	9.512	ug/L		
50) Dibromomethane	6.050	93	32830	9.905	ug/L		96
51) 1,2-Dichloropropane	6.159	63	64883	9.978	ug/L	#	91
53) 2-Chloroethyl vinyl ether	6.920	63	42686	10.488	ug/L		94
54) Bromodichloromethane	6.273	83	82032	9.752	ug/L		97
57) 1,4-Dioxane	6.499	88	14854M1	341.533	ug/L		
58) cis-1,3-Dichloropropene	6.934	75	85788	9.150	ug/L		93
61) Toluene	7.157	92	141508	10.304	ug/L		95
62) 4-Methyl-2-pentanone	7.575	58	26330	10.707	ug/L	#	88
63) Tetrachloroethene	7.522	166	64475	11.292	ug/L		89
65) trans-1,3-Dichloropropene	7.595	75	79872	9.987	ug/L		91
67) Ethyl methacrylate	7.787	69	71702	10.361	ug/L		99
68) 1,1,2-Trichloroethane	7.726	83	41568	10.098	ug/L		92
69) Chlorodibromomethane	7.865	129	60744	10.010	ug/L		96
70) 1,3-Dichloropropane	7.941	76	84522	10.618	ug/L		99
71) 1,2-Dibromoethane	8.024	107	50940	10.328	ug/L		99
72) 2-Hexanone	8.270	43	48201	11.169	ug/L	#	97
73) Chlorobenzene	8.440	112	160942	10.412	ug/L		89
74) Ethylbenzene	8.482	91	269935	10.714	ug/L		96
75) 1,1,1,2-Tetrachloroethane	8.501	131	62763	10.894	ug/L		94
76) p/m Xylene	8.590	106	216413	21.391	ug/L		91
77) o Xylene	8.875	106	210798	21.361	ug/L		85

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2020\200623N\
Data File : V08200623N19.D
Acq On : 23 Jun 2020 10:19 pm
Operator : VOA108:NLK
Sample : C8260STDL10.0PPB
Misc : WG1385357
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 24 10:30:17 2020
Quant Method : I:\VOLATILES\VOA108\2020\200623N\V108_200623N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jun 24 10:26:22 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2020\200623N\V08200623N09.D
Sub List : 8260-CurvePenta - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78)	Styrene	8.914	104	350578	21.535	ug/L	89
80)	Bromoform	8.917	173	32648	9.873	ug/L	97
82)	Isopropylbenzene	9.087	105	270832	10.655	ug/L	95
84)	Bromobenzene	9.310	156	64358	10.445	ug/L	97
85)	n-Propylbenzene	9.346	91	304534	10.474	ug/L	92
86)	1,4-Dichlorobutane	9.352	55	108103	11.113	ug/L	94
87)	1,1,2,2-Tetrachloroethane	9.402	83	60788	9.860	ug/L	100
88)	4-Ethyltoluene	9.416	105	267984	10.731	ug/L	94
89)	2-Chlorotoluene	9.427	91	213304M1	10.569	ug/L	
90)	1,3,5-Trimethylbenzene	9.471	105	221840	10.604	ug/L	88
91)	1,2,3-Trichloropropane	9.466	75	47009	10.373	ug/L	95
92)	trans-1,4-Dichloro-2-b...	9.502	53	20648	10.094	ug/L	92
93)	4-Chlorotoluene	9.530	91	191139	10.463	ug/L	93
94)	tert-Butylbenzene	9.656	119	227064	10.143	ug/L	91
95)	Pentachloroethane	9.667	167	28365	7.563	ug/L	87
97)	1,2,4-Trimethylbenzene	9.700	105	228305	10.845	ug/L	88
98)	sec-Butylbenzene	9.761	105	277673	10.676	ug/L	97
99)	p-Isopropyltoluene	9.848	119	255831	10.761	ug/L	95
100)	1,3-Dichlorobenzene	9.879	146	128279	10.539	ug/L	98
101)	1,4-Dichlorobenzene	9.932	146	130001	10.554	ug/L	98
102)	p-Diethylbenzene	10.057	119	144587	10.079	ug/L	90
103)	n-Butylbenzene	10.091	91	211486	10.554	ug/L	97
104)	1,2-Dichlorobenzene	10.171	146	121165	10.543	ug/L	99
105)	1,2,4,5-Tetramethylben...	10.514	119	235041	10.121	ug/L	96
106)	1,2-Dibromo-3-chloropr...	10.629	155	9570	10.347	ug/L	95
107)	1,3,5-Trichlorobenzene	10.646	180	77371	9.648	ug/L	95
108)	Hexachlorobutadiene	10.991	225	27204	9.542	ug/L	97
109)	1,2,4-Trichlorobenzene	11.005	180	74171	10.115	ug/L	96
110)	Naphthalene	11.184	128	189446	10.000	ug/L	100
111)	1,2,3-Trichlorobenzene	11.284	180	67819	10.325	ug/L	97

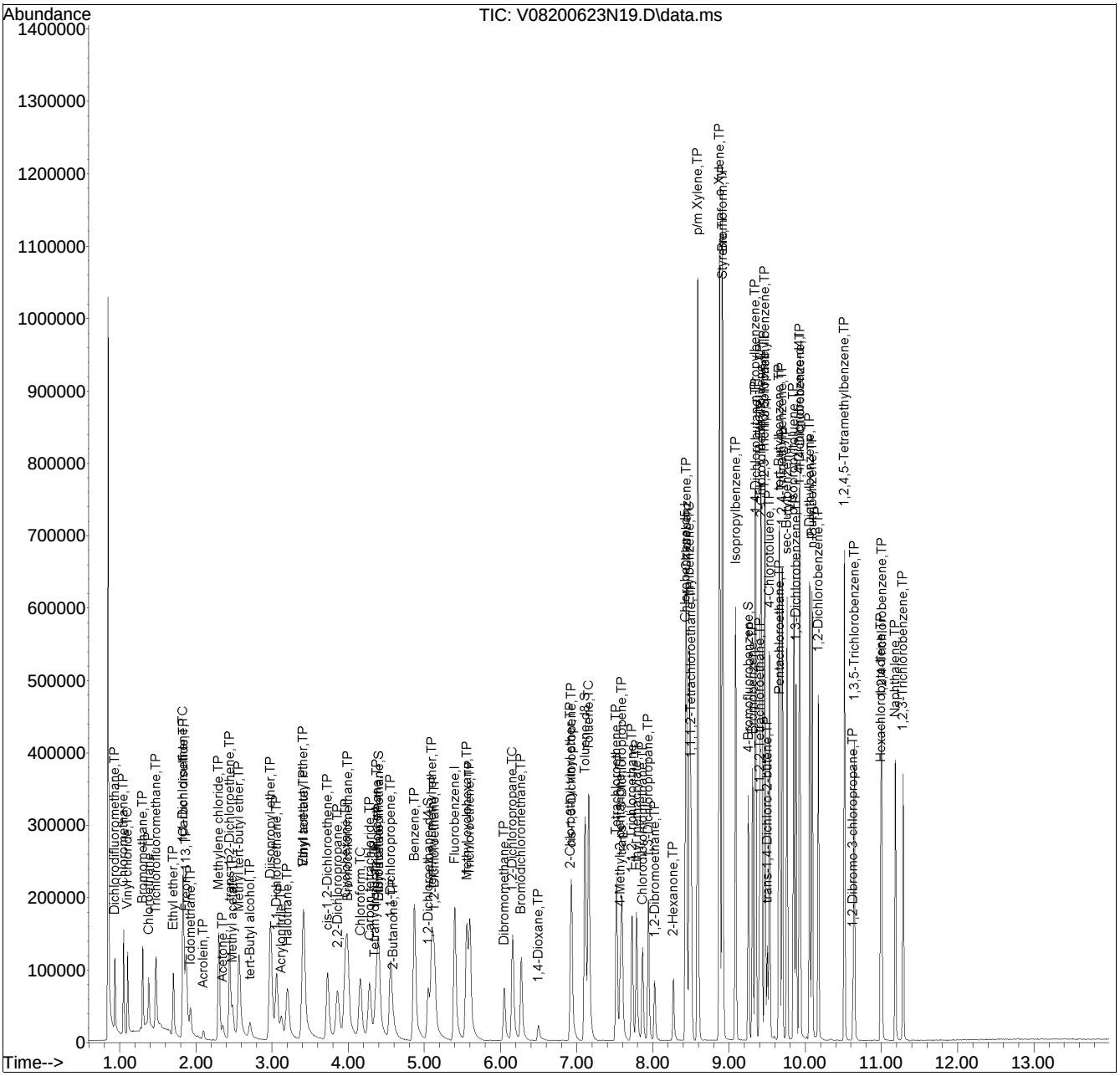
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2020\200623N\
Data File : V08200623N19.D
Acq On : 23 Jun 2020 10:19 pm
Operator : VOA108:NLK
Sample : C8260STDL10.0PPB
Misc : WG1385357
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 24 10:30:17 2020
Quant Method : I:\VOLATILES\VOA108\2020\200623N\V108_200623N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jun 24 10:26:22 2020
Response via : Initial Calibration

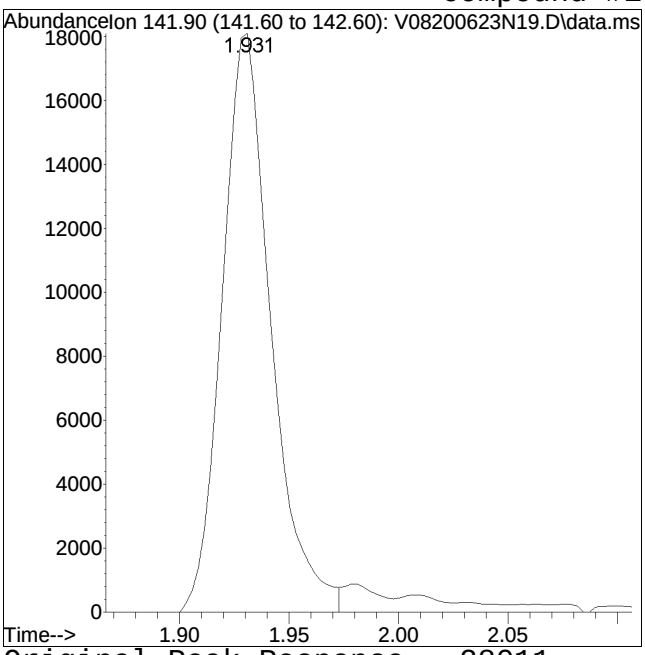
Sub List : 8260-CurvePenta - All compounds listed08200623N09.D•



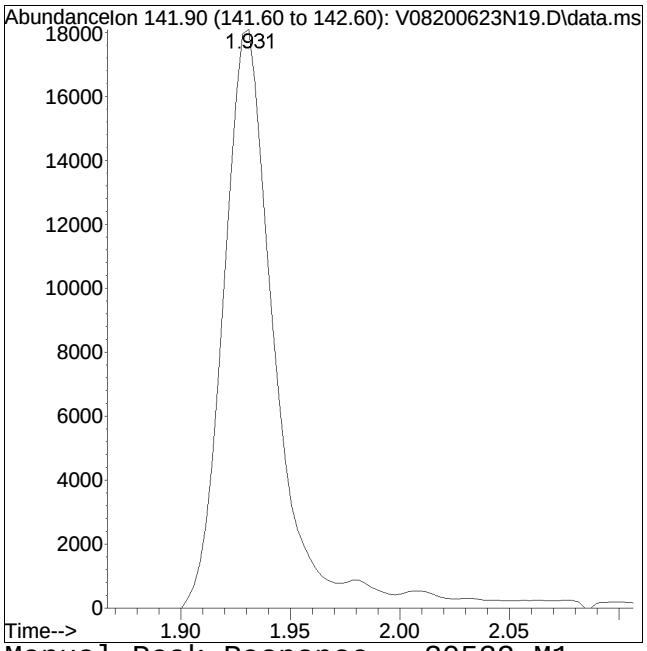
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200623N19.D Operator : VOA108:NLK
Date Inj'd : 6/23/2020 10:19 pm Instrument : VOA 108
Sample : C8260STDL10.0PPB Quant Date : 6/24/2020 10:26 am

Compound #13: Iodomethane



Original Peak Response = 28011



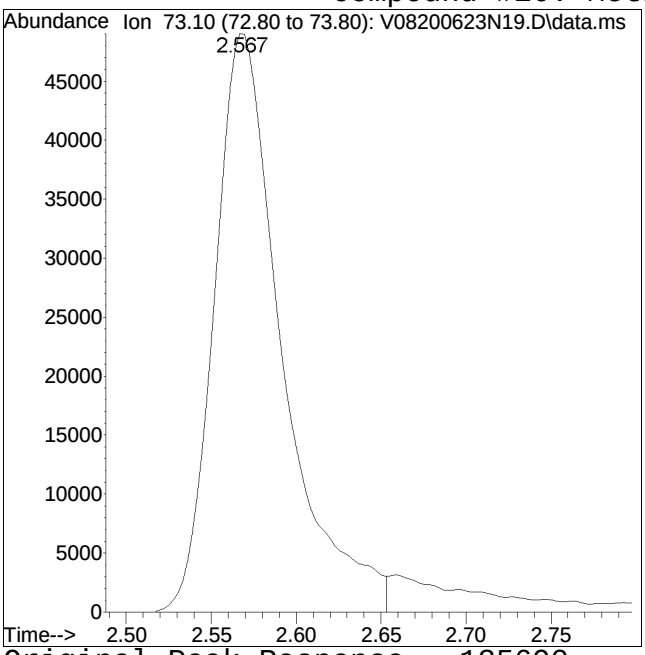
Manual Peak Response = 30532 M1

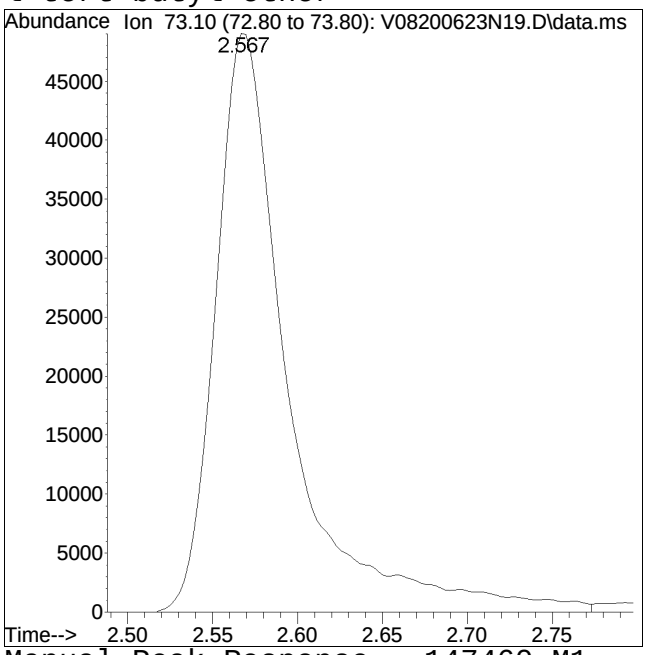
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200623N19.D Operator : VOA108:NLK
Date Inj'd : 6/23/2020 10:19 pm Instrument : VOA 108
Sample : C8260STDL10.0PPB Quant Date : 6/24/2020 10:26 am

Compound #20: Methyl tert-butyl ether



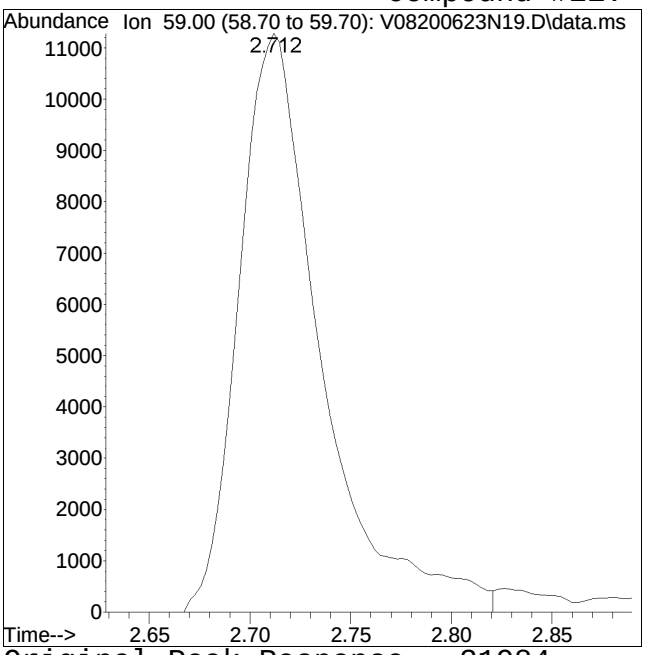


Original Peak Response = 135690 Manual Peak Response = 147460 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

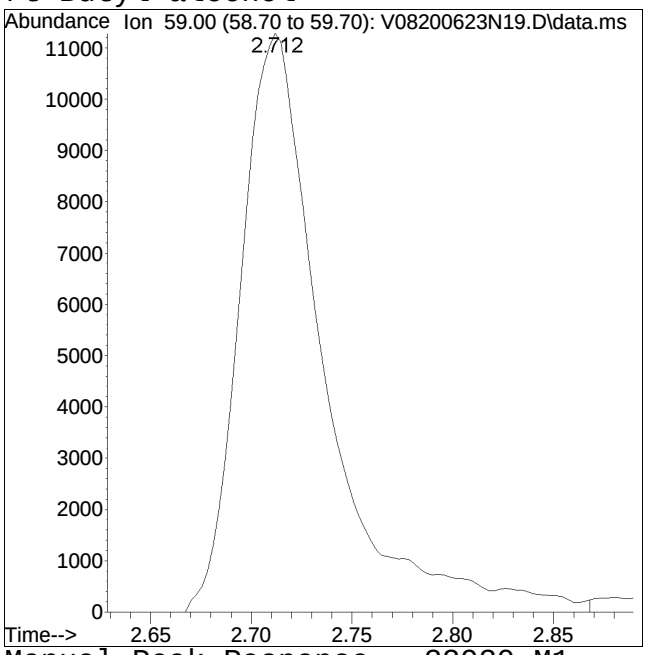
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200623N19.D Operator : VOA108:NLK
Date Inj'd : 6/23/2020 10:19 pm Instrument : VOA 108
Sample : C8260STDL10.0PPB Quant Date : 6/24/2020 10:26 am

Compound #21: tert-Butyl alcohol



Original Peak Response = 31984



Manual Peak Response = 32930 M1

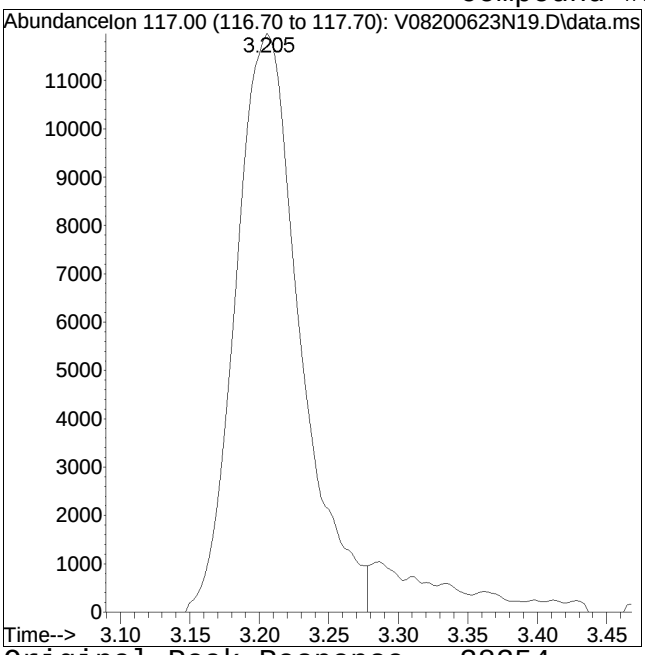
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

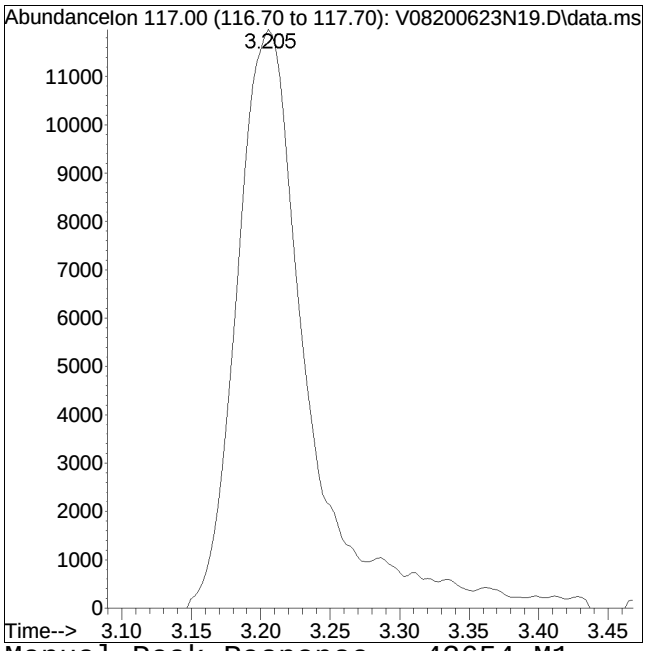
Data Path : I:\VOLATILES\VOA108\2020\2Q
Data File : V08200623N19.D
Date Inj'd : 6/23/2020 10:19 pm
Sample : C8260STDL10.0PPB

Method : V108_200623N_8260.m
Operator : VOA108:NLK
Instrument : VOA 108
Quant Date : 6/24/2020 10:26 am

Compound #24: Halothane



Original Peak Response = 38354



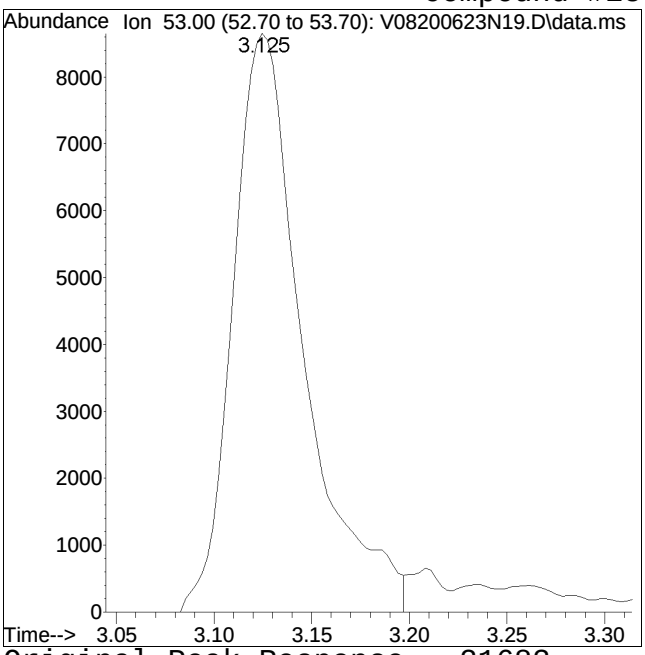
Manual Peak Response = 42654 M1

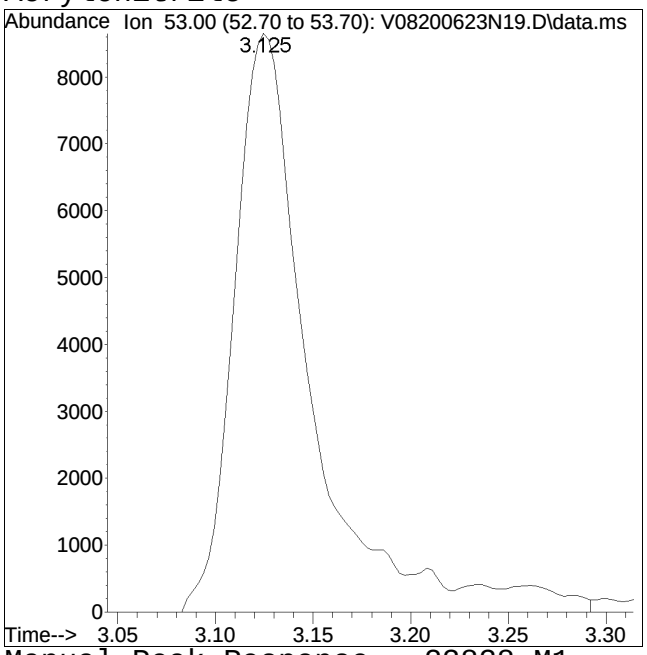
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200623N19.D Operator : VOA108:NLK
Date Inj'd : 6/23/2020 10:19 pm Instrument : VOA 108
Sample : C8260STDL10.0PPB Quant Date : 6/24/2020 10:26 am

Compound #25: Acrylonitrile



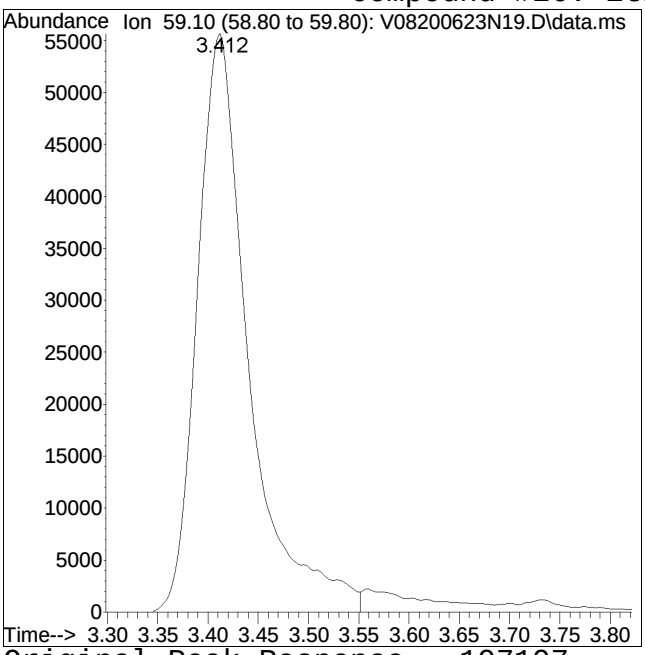


Original Peak Response = 21683 Manual Peak Response = 23838 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

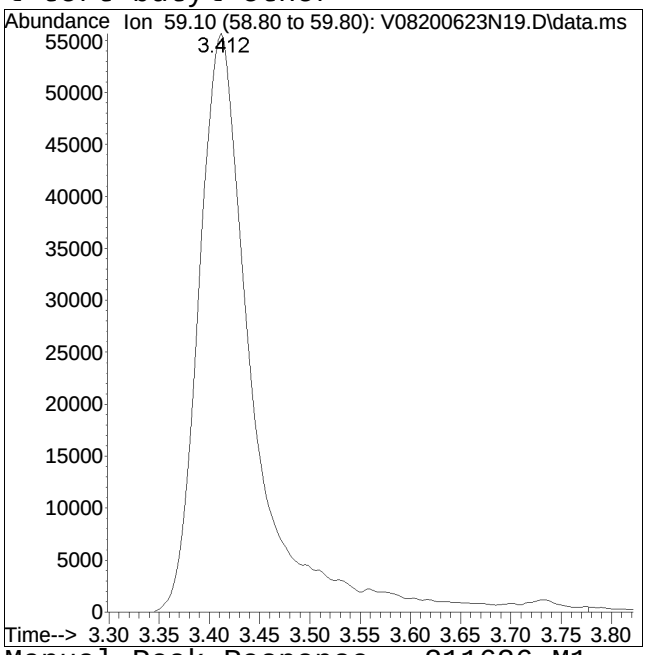
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200623N19.D Operator : VOA108:NLK
Date Inj'd : 6/23/2020 10:19 pm Instrument : VOA 108
Sample : C8260STDL10.0PPB Quant Date : 6/24/2020 10:26 am

Compound #26: Ethyl tert-butyl ether



Original Peak Response = 197197



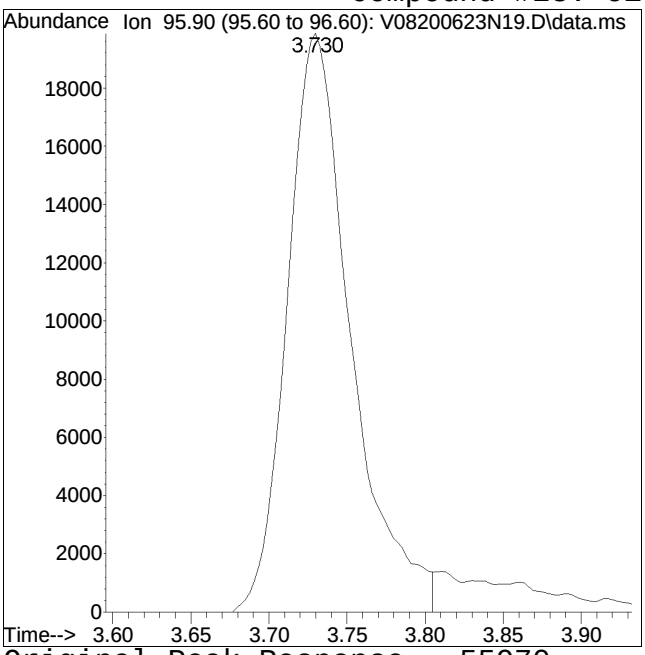
Manual Peak Response = 211626 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

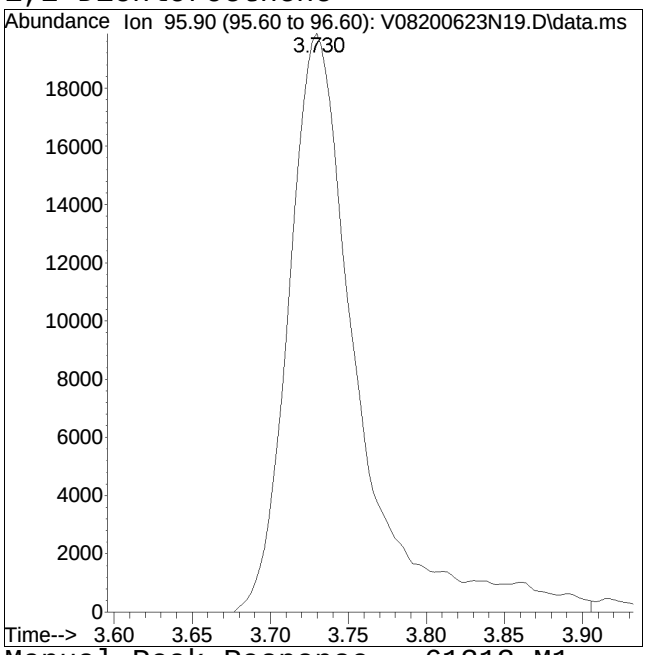
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200623N19.D Operator : VOA108:NLK
Date Inj'd : 6/23/2020 10:19 pm Instrument : VOA 108
Sample : C8260STDL10.0PPB Quant Date : 6/24/2020 10:26 am

Compound #28: cis-1,2-Dichloroethene



Original Peak Response = 55970



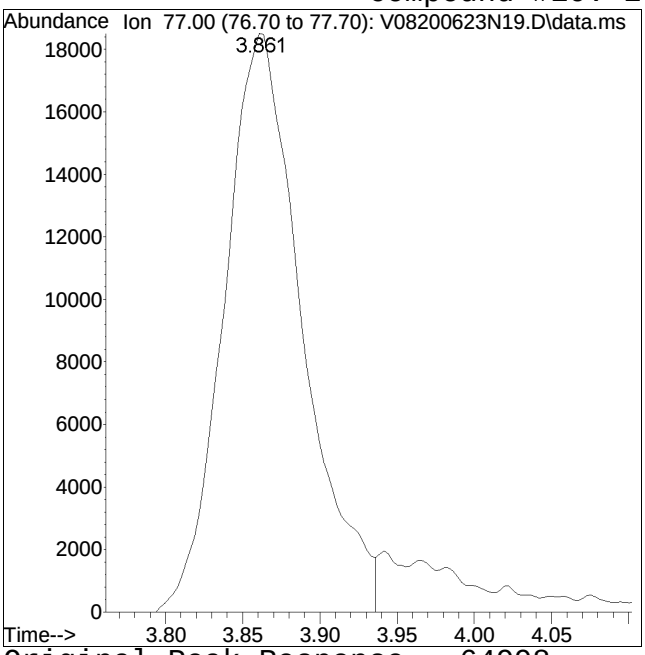
Manual Peak Response = 61313 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

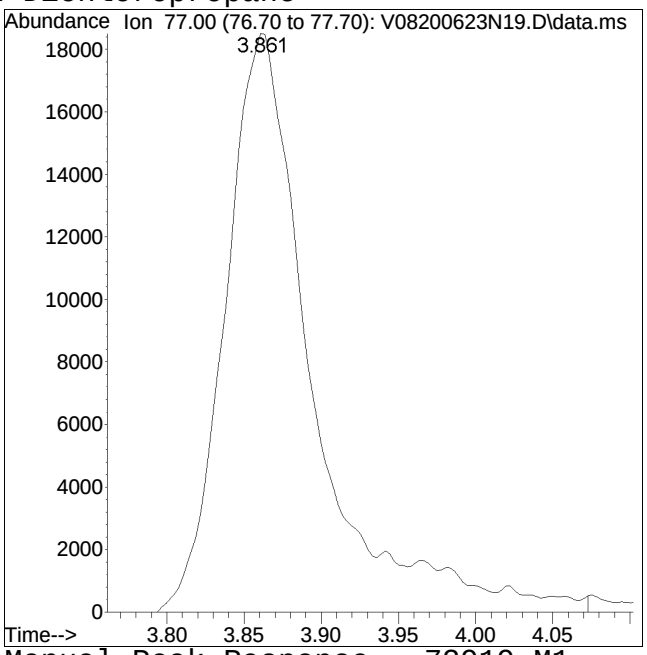
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200623N19.D Operator : VOA108:NLK
Date Inj'd : 6/23/2020 10:19 pm Instrument : VOA 108
Sample : C8260STDL10.0PPB Quant Date : 6/24/2020 10:26 am

Compound #29: 2,2-Dichloropropane



Original Peak Response = 64998



Manual Peak Response = 72919 M1

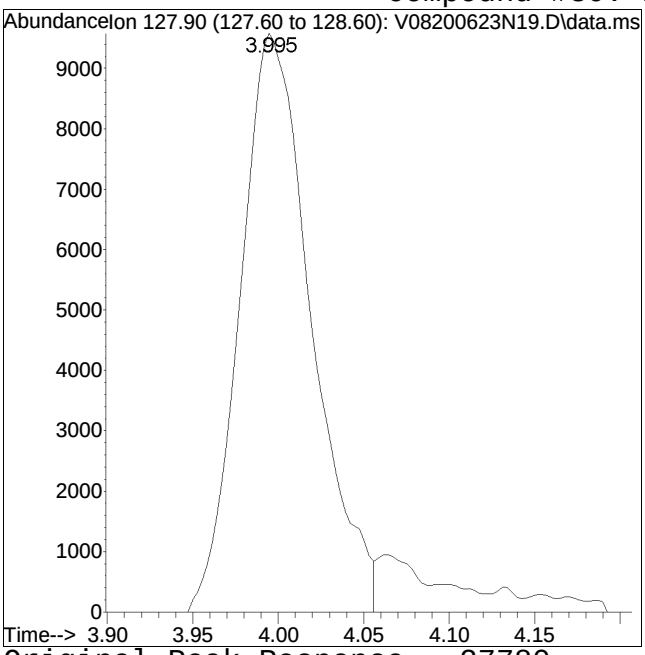
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

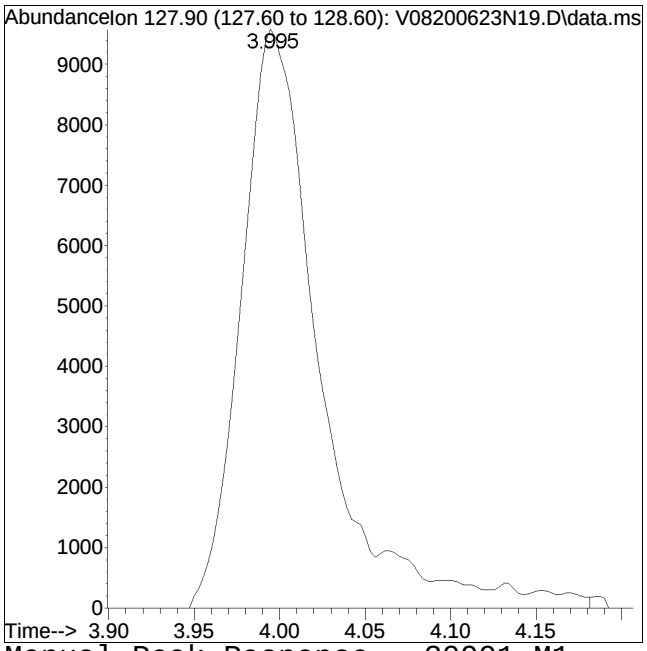
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2Q
Data File : V08200623N19.D
Date Inj'd : 6/23/2020 10:19 pm
Sample : C8260STDL10.0PPB

Method : V108_200623N_8260.m
Operator : VOA108:NLK
Instrument : VOA 108
Quant Date : 6/24/2020 10:26 am

Compound #30: Bromochloromethane





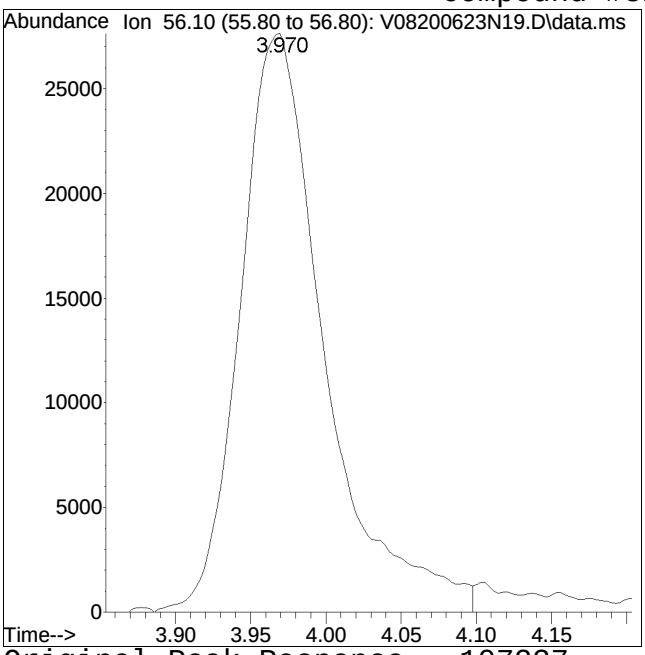
Original Peak Response = 27780 Manual Peak Response = 30991 M1

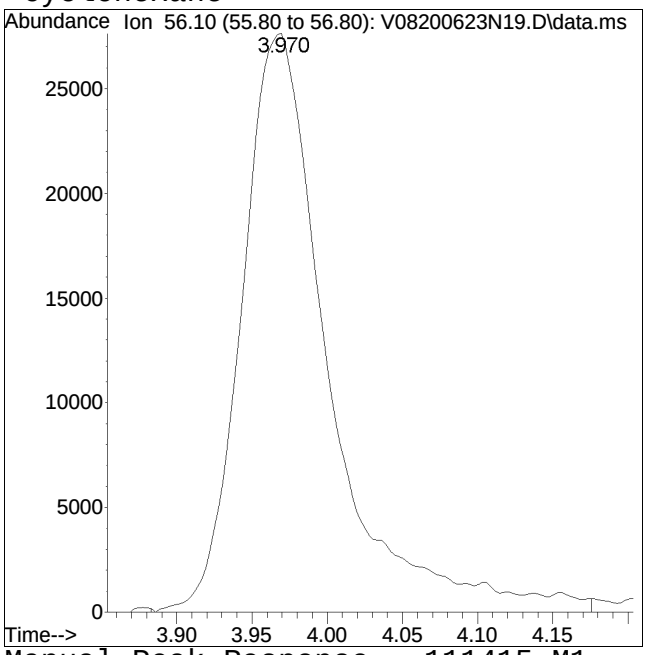
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200623N19.D Operator : VOA108:NLK
Date Inj'd : 6/23/2020 10:19 pm Instrument : VOA 108
Sample : C8260STDL10.0PPB Quant Date : 6/24/2020 10:26 am

Compound #31: Cyclohexane



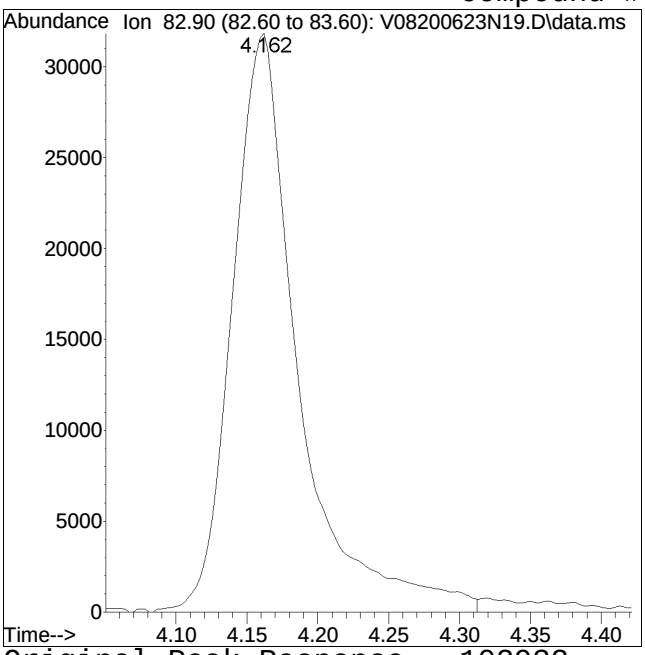


Original Peak Response = 107237 Manual Peak Response = 111415 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

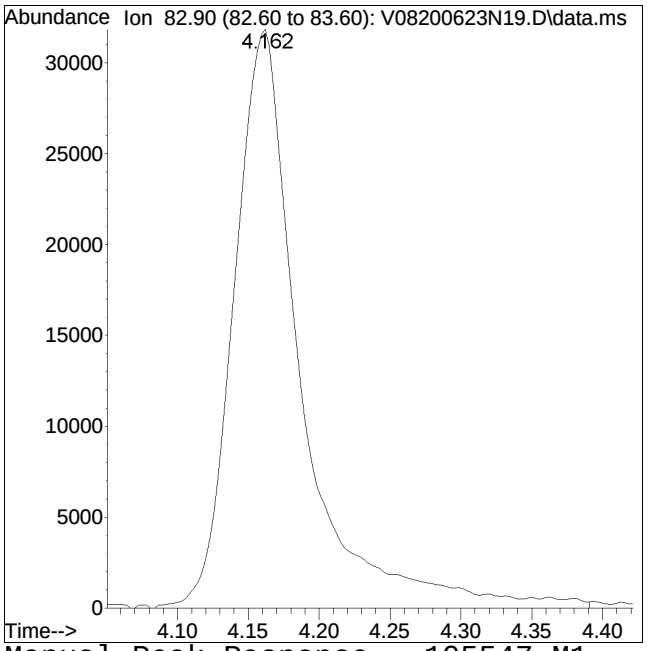
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200623N19.D Operator : VOA108:NLK
Date Inj'd : 6/23/2020 10:19 pm Instrument : VOA 108
Sample : C8260STDL10.0PPB Quant Date : 6/24/2020 10:26 am

Compound #32: Chloroform



Original Peak Response = 102932



Manual Peak Response = 105547 M1

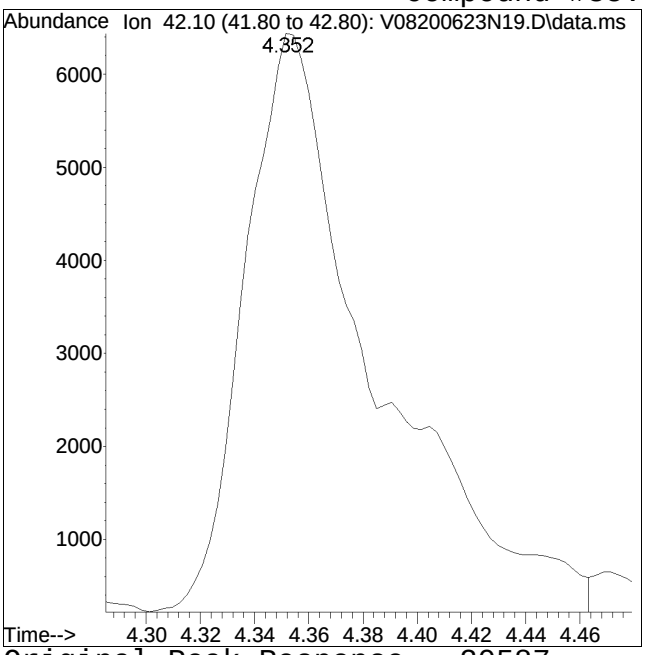
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

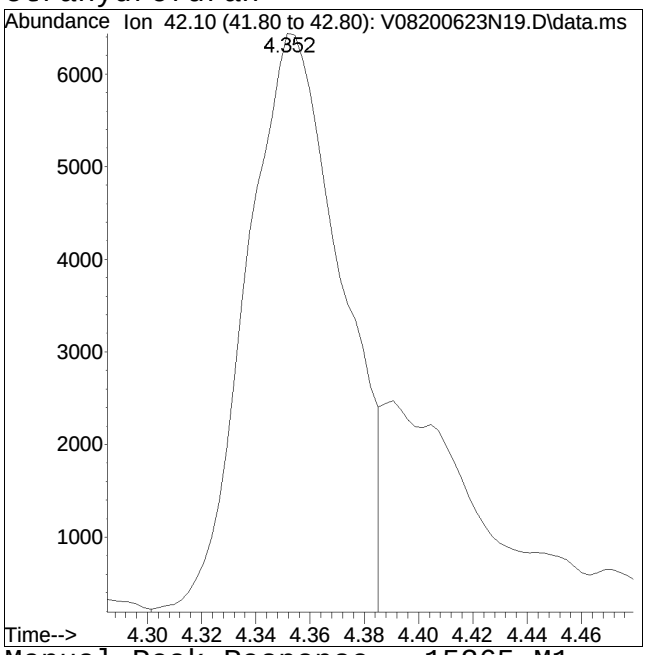
Data Path : I:\VOLATILES\VOA108\2020\2Q
Data File : V08200623N19.D
Date Inj'd : 6/23/2020 10:19 pm
Sample : C8260STDL10.0PPB

Method : V108_200623N_8260.m
Operator : VOA108:NLK
Instrument : VOA 108
Quant Date : 6/24/2020 10:26 am

Compound #35: Tetrahydrofuran



Original Peak Response = 20587



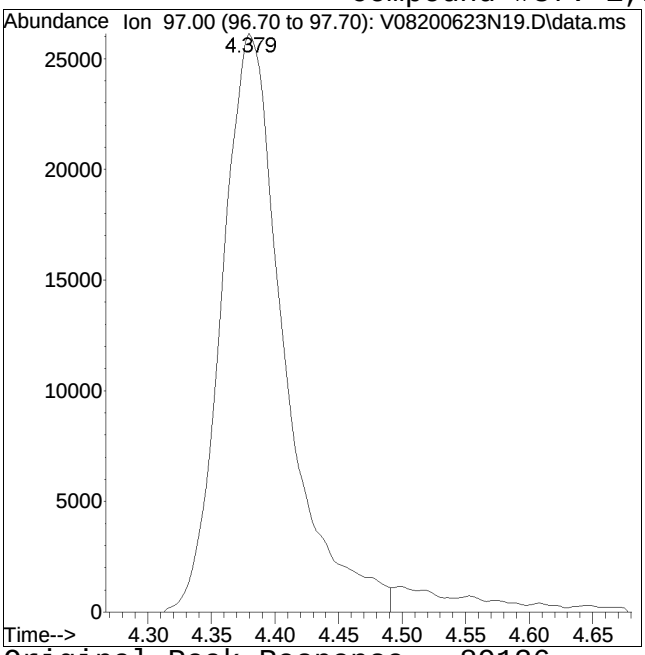
Manual Peak Response = 15265 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

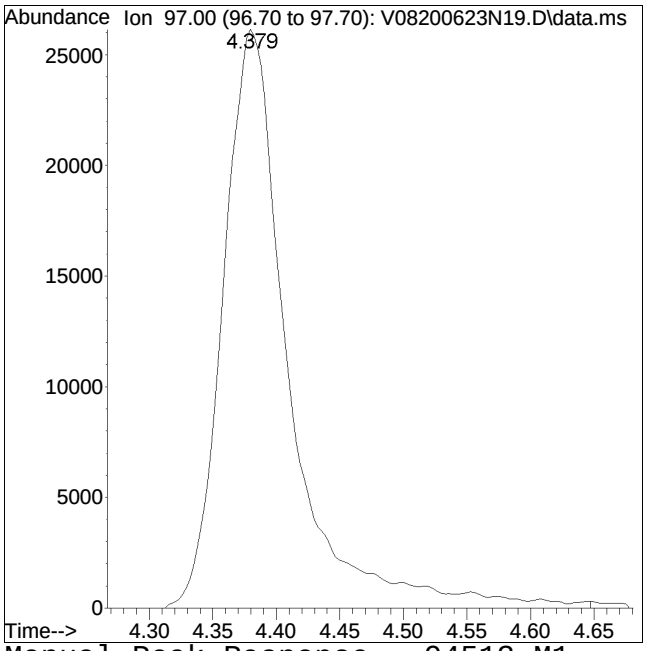
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200623N19.D Operator : VOA108:NLK
Date Inj'd : 6/23/2020 10:19 pm Instrument : VOA 108
Sample : C8260STDL10.0PPB Quant Date : 6/24/2020 10:26 am

Compound #37: 1,1,1-Trichloroethane



Original Peak Response = 89136



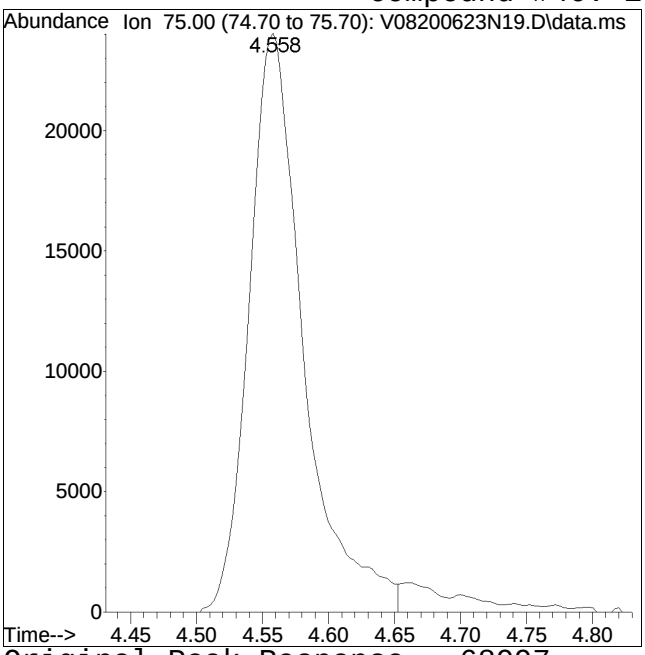
Manual Peak Response = 94513 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

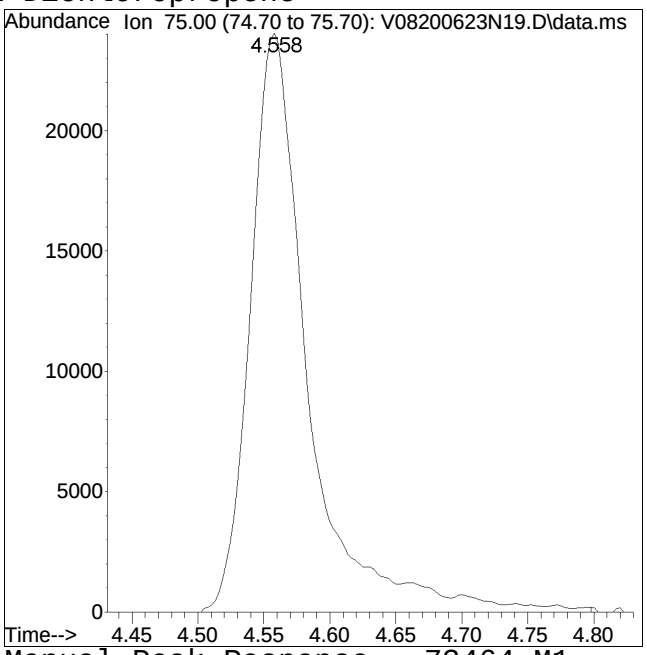
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200623N19.D Operator : VOA108:NLK
Date Inj'd : 6/23/2020 10:19 pm Instrument : VOA 108
Sample : C8260STDL10.0PPB Quant Date : 6/24/2020 10:26 am

Compound #40: 1,1-Dichloropropene



Original Peak Response = 68997



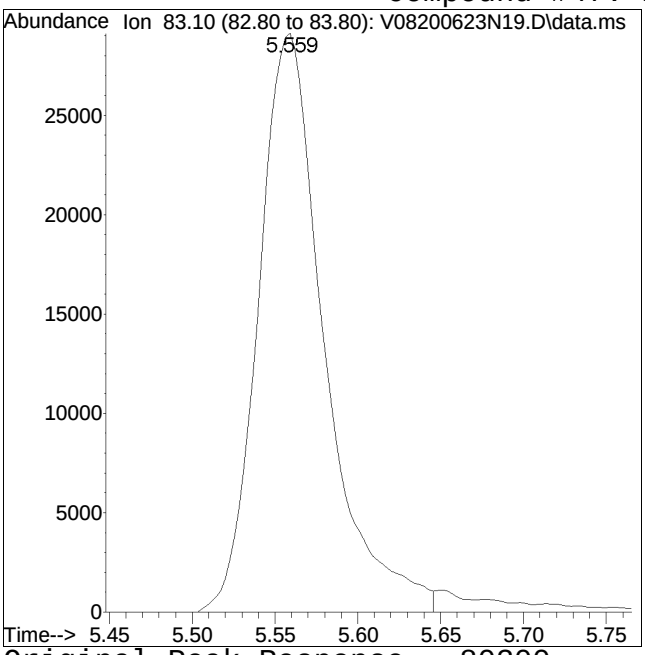
Manual Peak Response = 73464 M1

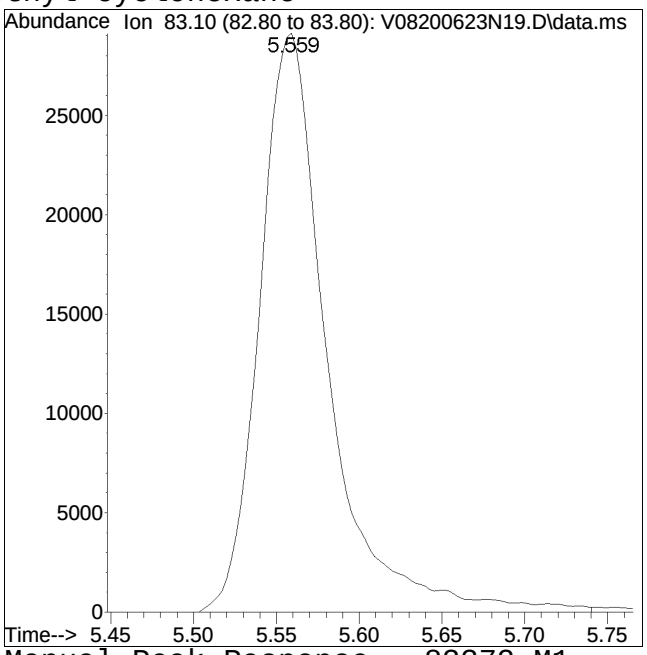
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200623N19.D Operator : VOA108:NLK
Date Inj'd : 6/23/2020 10:19 pm Instrument : VOA 108
Sample : C8260STDL10.0PPB Quant Date : 6/24/2020 10:26 am

Compound #47: Methyl cyclohexane



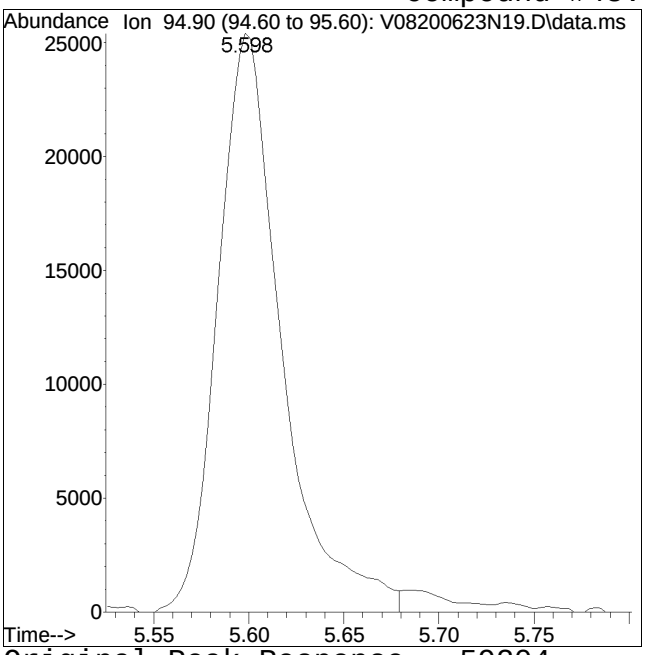


Original Peak Response = 80300 Manual Peak Response = 83372 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

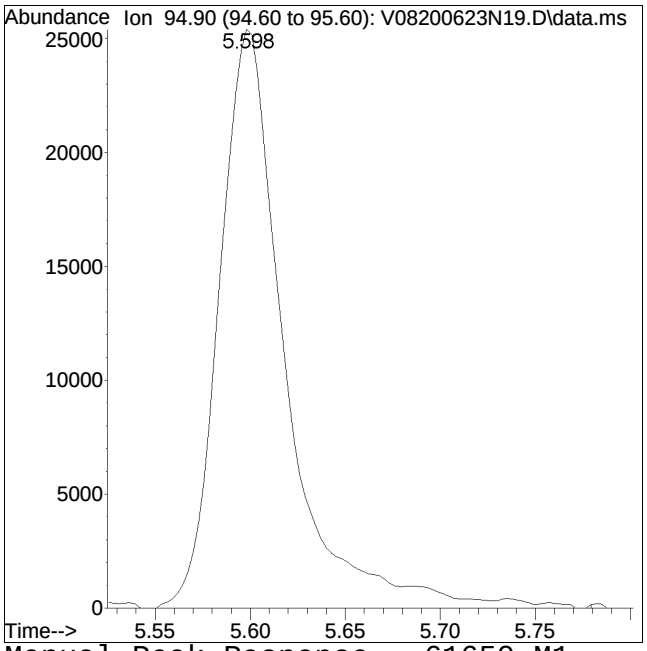
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200623N19.D Operator : VOA108:NLK
Date Inj'd : 6/23/2020 10:19 pm Instrument : VOA 108
Sample : C8260STDL10.0PPB Quant Date : 6/24/2020 10:26 am

Compound #48: Trichloroethene



Original Peak Response = 59204



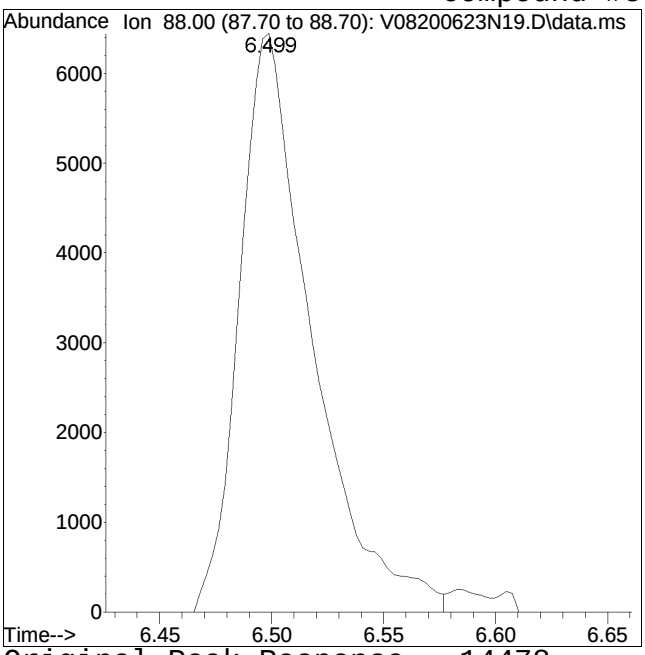
Manual Peak Response = 61650 M1

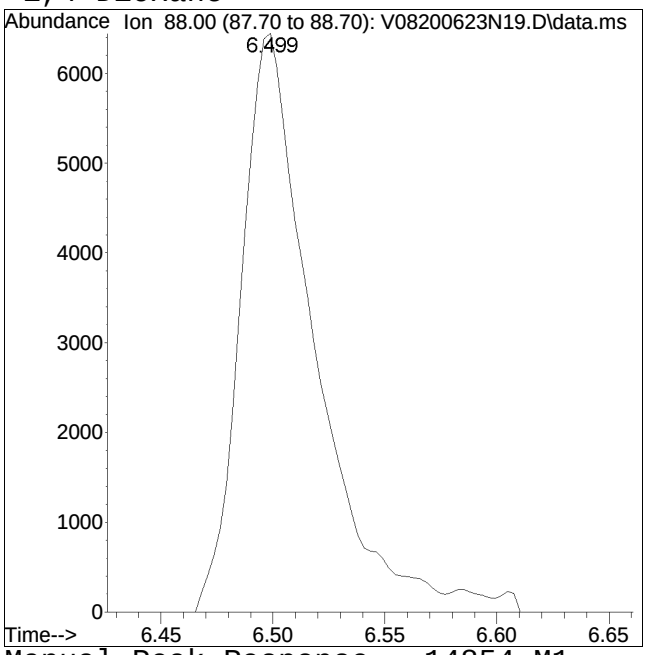
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200623N19.D Operator : VOA108:NLK
Date Inj'd : 6/23/2020 10:19 pm Instrument : VOA 108
Sample : C8260STDL10.0PPB Quant Date : 6/24/2020 10:26 am

Compound #57: 1,4-Dioxane



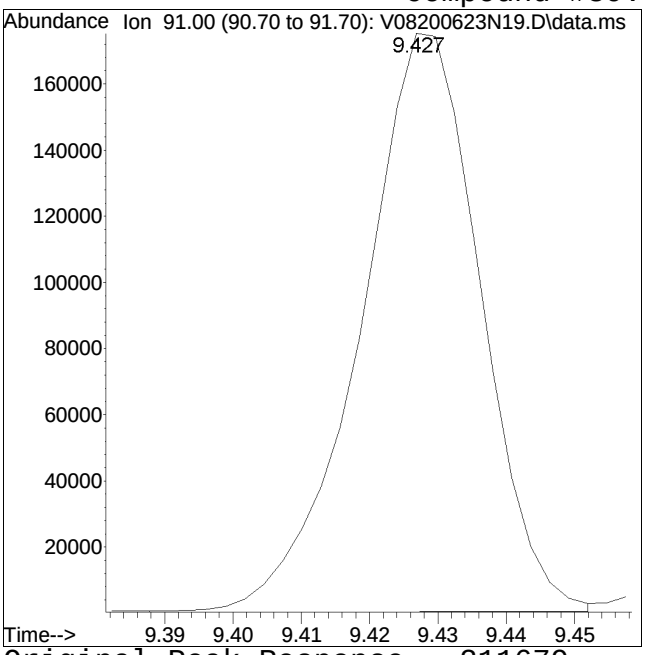


Original Peak Response = 14478 Manual Peak Response = 14854 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

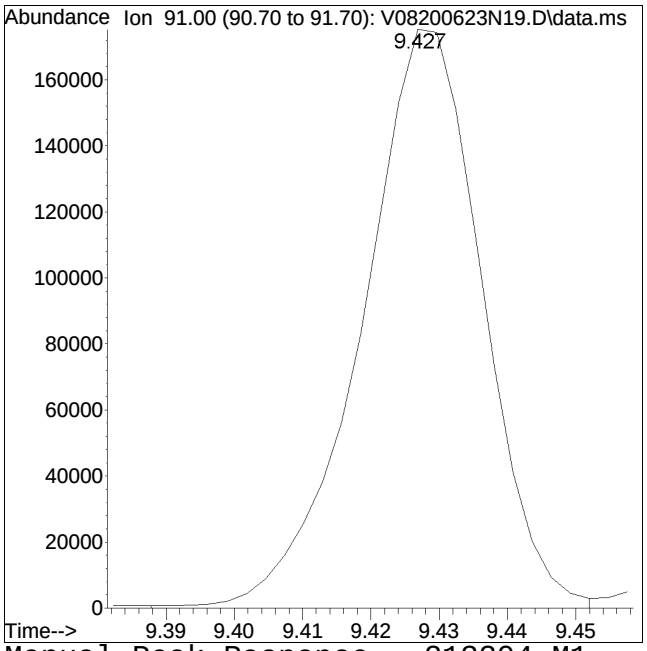
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200623N19.D Operator : VOA108:NLK
Date Inj'd : 6/23/2020 10:19 pm Instrument : VOA 108
Sample : C8260STDL10.0PPB Quant Date : 6/24/2020 10:26 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 211679



Manual Peak Response = 213304 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Continuing Calibration

Calibration Verification Summary
Form 7
Volatiles

Client	: LaBella Associates, P.C.	**Lab Number**	: L2027694		
Project Name	: FORMER WOLLENSACK OPTICAL	**Project Number**	: 2182207		
Instrument ID	: VOA122	**Calibration Date**	: 07/01/20 08:46		
Lab File ID	: V22200701A01	**Init. Calib. Date(s)**	: 06/17/20	06/17/20	
Sample No	: WG1388388-2	**Init. Calib. Times**	: 16:01	20:10	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	66	0
Dichlorodifluoromethane	0.197	0.186	-	5.6	20	64	0
Chloromethane	0.253	0.284	-	-12.3	20	75	0
Vinyl chloride	0.227	0.215	-	5.3	20	68	0
Bromomethane	0.111	0.064*	-	42.3*	20	44	0
Chloroethane	0.12	0.117	-	2.5	20	65	0
Trichlorofluoromethane	0.316	0.344	-	-8.9	20	73	0
Ethyl ether	0.101	0.084	-	16.8	20	54	0
1,1-Dichloroethene	0.198	0.199	-	-0.5	20	65	0
Carbon disulfide	0.491	0.479	-	2.4	20	63	0
Freon-113	0.201	0.212	-	-5.5	20	67	0
Acrolein	0.03	0.027*	-	10	20	56	0
Methylene chloride	0.212	0.206	-	2.8	20	63	0
Acetone	0.041	0.05*	-	-22*	20	83	0
trans-1,2-Dichloroethene	0.217	0.22	-	-1.4	20	65	0
Methyl acetate	0.116	0.128	-	-10.3	20	67	0
Methyl tert-butyl ether	0.464	0.419	-	9.7	20	57	0
tert-Butyl alcohol	0.012	0.016*	-	-33.3*	20	83	0
Diisopropyl ether	0.714	0.723	-	-1.3	20	65	0
1,1-Dichloroethane	0.387	0.41	-	-5.9	20	69	0
Halothane	0.194	0.196	-	-1	20	66	0
Acrylonitrile	0.057	0.058	-	-1.8	20	64	0
Ethyl tert-butyl ether	0.658	0.631	-	4.1	20	61	0
Vinyl acetate	0.419	0.42	-	-0.2	20	67	0
cis-1,2-Dichloroethene	0.234	0.242	-	-3.4	20	66	0
2,2-Dichloropropane	0.278	0.274	-	1.4	20	68	0
Bromochloromethane	0.123	0.129	-	-4.9	20	66	0
Cyclohexane	0.421	0.43	-	-2.1	20	67	0
Chloroform	0.355	0.365	-	-2.8	20	66	0
Ethyl acetate	0.159	0.162	-	-1.9	20	65	0
Carbon tetrachloride	0.349	0.358	-	-2.6	20	72	0
Tetrahydrofuran	0.059	0.054	-	8.5	20	58	0
Dibromofluoromethane	0.278	0.298	-	-7.2	20	70	0
1,1,1-Trichloroethane	0.335	0.358	-	-6.9	20	70	0
2-Butanone	0.067	0.078*	-	-16.4	20	75	0
1,1-Dichloropropene	0.267	0.26	-	2.6	20	65	0
Benzene	0.872	0.788	-	9.6	20	61	0
tert-Amyl methyl ether	0.564	0.453	-	19.7	20	51	0
1,2-Dichloroethane-d4	0.257	0.282	-	-9.7	20	73	0
1,2-Dichloroethane	0.282	0.307	-	-8.9	20	72	0
Methyl cyclohexane	0.371	0.329	-	11.3	20	59	0
Trichloroethene	0.241	0.221	-	8.3	20	65	0
Dibromomethane	0.122	0.118	-	3.3	20	65	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: LaBella Associates, P.C.	**Lab Number**	: L2027694		
Project Name	: FORMER WOLLENSACK OPTICAL	**Project Number**	: 2182207		
Instrument ID	: VOA122	**Calibration Date**	: 07/01/20 08:46		
Lab File ID	: V22200701A01	**Init. Calib. Date(s)**	: 06/17/20	06/17/20	
Sample No	: WG1388388-2	**Init. Calib. Times**	: 16:01	20:10	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dichloropropane	0.222	0.218	-	1.8	20	63	0
2-Chloroethyl vinyl ether	0.133	0.046*	-	65.4*	20	22	0
Bromodichloromethane	0.277	0.264	-	4.7	20	63	0
1,4-Dioxane	0.001	0.00151*	-	-51*	20	92	0
cis-1,3-Dichloropropene	0.338	0.3	-	11.2	20	59	0
Chlorobenzene-d5	1	1	-	0	20	69	0
Toluene-d8	1.38	1.294	-	6.2	20	65	0
Toluene	0.677	0.619	-	8.6	20	63	0
4-Methyl-2-pentanone	0.078	0.066*	-	15.4	20	56	0
Tetrachloroethene	0.322	0.307	-	4.7	20	66	0
trans-1,3-Dichloropropene	0.342	0.298	-	12.9	20	60	0
Ethyl methacrylate	0.26	0.183	-	29.6*	20	48	0
1,1,2-Trichloroethane	0.167	0.144	-	13.8	20	59	0
Chlorodibromomethane	0.292	0.277	-	5.1	20	65	0
1,3-Dichloropropane	0.343	0.298	-	13.1	20	60	0
1,2-Dibromoethane	0.223	0.198	-	11.2	20	61	0
2-Hexanone	0.143	0.107	-	25.2*	20	55	0
Chlorobenzene	0.788	0.752	-	4.6	20	64	0
Ethylbenzene	1.257	1.165	-	7.3	20	63	0
1,1,1,2-Tetrachloroethane	0.29	0.283	-	2.4	20	65	0
p/m Xylene	0.521	0.499	-	4.2	20	63	0
o Xylene	0.508	0.478	-	5.9	20	63	0
Styrene	0.816	0.775	-	5	20	62	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	71	0
Bromoform	0.326	0.294	-	9.8	20	64	0
Isopropylbenzene	1.597	1.456	-	8.8	20	64	0
4-Bromofluorobenzene	0.951	0.82	-	13.8	20	63	0
Bromobenzene	0.674	0.619	-	8.2	20	67	0
n-Propylbenzene	2.977	2.666	-	10.4	20	64	0
1,4-Dichlorobutane	0.72	0.653	-	9.3	20	67	0
1,1,2,2-Tetrachloroethane	0.478	0.404	-	15.5	20	60	0
4-Ethyltoluene	2.598	2.379	-	8.4	20	64	0
2-Chlorotoluene	1.965	1.792	-	8.8	20	64	0
1,3,5-Trimethylbenzene	2.146	1.953	-	9	20	64	0
1,2,3-Trichloropropane	0.364	0.317	-	12.9	20	61	0
trans-1,4-Dichloro-2-buten	0.139	0.117	-	15.8	20	62	0
4-Chlorotoluene	1.798	1.623	-	9.7	20	65	0
tert-Butylbenzene	1.963	1.78	-	9.3	20	65	0
1,2,4-Trimethylbenzene	2.137	1.948	-	8.8	20	64	0
sec-Butylbenzene	2.63	2.423	-	7.9	20	65	0
p-Isopropyltoluene	2.619	2.436	-	7	20	65	0
1,3-Dichlorobenzene	1.29	1.269	-	1.6	20	69	0
1,4-Dichlorobenzene	1.275	1.239	-	2.8	20	69	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: LaBella Associates, P.C.	**Lab Number**	: L2027694	
Project Name	: FORMER WOLLENSACK OPTICAL	**Project Number**	: 2182207	
Instrument ID	: VOA122	**Calibration Date**	: 07/01/20 08:46	
Lab File ID	: V22200701A01	**Init. Calib. Date(s)**	: 06/17/20	06/17/20
Sample No	: WG1388388-2	**Init. Calib. Times**	: 16:01	20:10
Channel	:			

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
p-Diethylbenzene	1.362	1.243	-	8.7	20	64	0
n-Butylbenzene	1.756	1.61	-	8.3	20	65	0
1,2-Dichlorobenzene	1.164	1.134	-	2.6	20	69	0
1,2,4,5-Tetramethylbenzene	1.929	1.709	-	11.4	20	63	0
1,2-Dibromo-3-chloropropan	0.092	0.079	-	14.1	20	63	0
1,3,5-Trichlorobenzene	0.696	0.68	-	2.3	20	70	0
Hexachlorobutadiene	0.209	0.222	-	-6.2	20	78	0
1,2,4-Trichlorobenzene	0.644	0.606	-	5.9	20	69	0
Naphthalene	1.801	1.512	-	16	20	62	0
1,2,3-Trichlorobenzene	0.585	0.545	-	6.8	20	68	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Volatiles

Client	: LaBella Associates, P.C.	**Lab Number**	: L2027694	
Project Name	: FORMER WOLLENSACK OPTICAL	**Project Number**	: 2182207	
Instrument ID	: ELAINE	**Calibration Date**	: 07/01/20 17:15	
Lab File ID	: VE200701N01	**Init. Calib. Date(s)**	: 06/02/20	06/02/20
Sample No	: WG1388497-2	**Init. Calib. Times**	: 15:42	19:01
Channel	:			

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	80	0
Dichlorodifluoromethane	0.174	0.159	-	8.6	20	64	0
Chloromethane	0.185	0.214	-	-15.7	20	86	0
Vinyl chloride	0.207	0.242	-	-16.9	20	85	0
Bromomethane	0.094	0.11	-	-17	20	104	0
Chloroethane	0.12	0.16	-	-33.3*	20	94	0
Trichlorofluoromethane	0.238	0.288	-	-21*	20	83	0
Ethyl ether	0.093	0.099	-	-6.5	20	77	0
1,1-Dichloroethene	0.144	0.171	-	-18.8	20	86	0
Carbon disulfide	0.339	0.375	-	-10.6	20	85	0
Freon-113	0.153	0.184	-	-20.3*	20	86	0
Iodomethane	10	9.683	-	3.2	20	84	0
Acrolein	0.029	0.026*	-	10.3	20	63	-.01
Methylene chloride	0.176	0.199	-	-13.1	20	90	0
Acetone	0.039	0.04*	-	-2.6	20	79	0
trans-1,2-Dichloroethene	0.156	0.183	-	-17.3	20	84	0
Methyl acetate	0.115	0.124	-	-7.8	20	82	0
Methyl tert-butyl ether	0.455	0.416	-	8.6	20	69	-.01
tert-Butyl alcohol	0.016	0.011*	-	31.3*	20	50	-.01
Diisopropyl ether	0.657	0.772	-	-17.5	20	88	0
1,1-Dichloroethane	0.327	0.389	-	-19	20	87	0
Halothane	0.134	0.156	-	-16.4	20	89	0
Acrylonitrile	0.052	0.053	-	-1.9	20	80	-.01
Ethyl tert-butyl ether	0.637	0.647	-	-1.6	20	78	-.01
Vinyl acetate	0.458	0.424	-	7.4	20	74	-.01
cis-1,2-Dichloroethene	0.178	0.229	-	-28.7*	20	96	-.01
2,2-Dichloropropane	0.249	0.257	-	-3.2	20	75	-.02
Bromochloromethane	0.08	0.096	-	-20	20	85	-.01
Cyclohexane	0.327	0.398	-	-21.7*	20	88	-.02
Chloroform	0.294	0.334	-	-13.6	20	85	0
Ethyl acetate	0.141	0.13	-	7.8	20	75	0
Carbon tetrachloride	0.224	0.235	-	-4.9	20	76	-.01
Tetrahydrofuran	0.046	0.039*	-	15.2	20	68	0
Dibromofluoromethane	0.237	0.269	-	-13.5	20	92	-.01
1,1,1-Trichloroethane	0.274	0.283	-	-3.3	20	77	-.01
2-Butanone	0.062	0.048*	-	22.6*	20	56	-.01
1,1-Dichloropropene	0.219	0.241	-	-10	20	84	-.01
Benzene	0.736	0.744	-	-1.1	20	80	-.01
tert-Amyl methyl ether	0.51	0.412	-	19.2	20	59	0
1,2-Dichloroethane-d4	0.29	0.285	-	1.7	20	79	0
1,2-Dichloroethane	0.237	0.234	-	1.3	20	76	0
Methyl cyclohexane	0.292	0.286	-	2.1	20	69	0
Trichloroethene	10	11.319	-	-13.2	20	78	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: LaBella Associates, P.C.	**Lab Number**	: L2027694		
Project Name	: FORMER WOLLENSACK OPTICAL	**Project Number**	: 2182207		
Instrument ID	: ELAINE	**Calibration Date**	: 07/01/20 17:15		
Lab File ID	: VE200701N01	**Init. Calib. Date(s)**	: 06/02/20	06/02/20	
Sample No	: WG1388497-2	**Init. Calib. Times**	: 15:42	19:01	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Dibromomethane	0.094	0.095	-	-1.1	20	78	0
1,2-Dichloropropane	0.192	0.225	-	-17.2	20	87	0
2-Chloroethyl vinyl ether	0.119	0.093	-	21.8*	20	60	0
Bromodichloromethane	0.226	0.226	-	0	20	75	0
1,4-Dioxane	0.0014	0.00101*	-	27.9*	20	57	0
cis-1,3-Dichloropropene	0.281	0.276	-	1.8	20	73	0
Chlorobenzene-d5	1	1	-	0	20	92	0
Toluene-d8	1.322	1.306	-	1.2	20	93	0
Toluene	0.616	0.6	-	2.6	20	84	0
4-Methyl-2-pentanone	0.081	0.058*	-	28.4*	20	59	0
Tetrachloroethene	0.261	0.255	-	2.3	20	85	0
trans-1,3-Dichloropropene	0.333	0.262	-	21.3*	20	68	0
Ethyl methacrylate	0.275	0.197	-	28.4*	20	62	0
1,1,2-Trichloroethane	0.158	0.148	-	6.3	20	80	0
Chlorodibromomethane	0.224	0.183	-	18.3	20	71	0
1,3-Dichloropropane	0.344	0.312	-	9.3	20	77	0
1,2-Dibromoethane	0.191	0.16	-	16.2	20	72	0
2-Hexanone	0.156	0.104	-	33.3*	20	63	0
Chlorobenzene	0.65	0.647	-	0.5	20	84	0
Ethylbenzene	1.139	1.103	-	3.2	20	82	0
1,1,1,2-Tetrachloroethane	0.23	0.207	-	10	20	76	0
p/m Xylene	0.44	0.43	-	2.3	20	82	0
o Xylene	0.421	0.418	-	0.7	20	83	0
Styrene	0.702	0.695	-	1	20	82	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	93	0
Bromoform	0.276	0.197	-	28.6*	20	63	0
Isopropylbenzene	2.265	2.171	-	4.2	20	81	0
4-Bromofluorobenzene	1.031	0.945	-	8.3	20	85	0
Bromobenzene	0.552	0.543	-	1.6	20	83	0
n-Propylbenzene	2.587	2.517	-	2.7	20	81	0
1,4-Dichlorobutane	0.748	0.653	-	12.7	20	75	0
1,1,2,2-Tetrachloroethane	0.46	0.371	-	19.3	20	69	0
4-Ethyltoluene	2.213	2.105	-	4.9	20	81	0
2-Chlorotoluene	1.835	1.773	-	3.4	20	83	0
1,3,5-Trimethylbenzene	1.89	1.778	-	5.9	20	79	0
1,2,3-Trichloropropane	0.386	0.315	-	18.4	20	70	0
trans-1,4-Dichloro-2-buten	0.138	0.097	-	29.7*	20	58	0
4-Chlorotoluene	1.654	1.592	-	3.7	20	83	0
tert-Butylbenzene	1.851	1.51	-	18.4	20	73	0
1,2,4-Trimethylbenzene	1.862	1.751	-	6	20	81	0
sec-Butylbenzene	2.287	2.202	-	3.7	20	78	0
p-Isopropyltoluene	1.989	1.85	-	7	20	78	0
1,3-Dichlorobenzene	1.026	1.035	-	-0.9	20	85	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: LaBella Associates, P.C.	**Lab Number**	: L2027694		
Project Name	: FORMER WOLLENSACK OPTICAL	**Project Number**	: 2182207		
Instrument ID	: ELAINE	**Calibration Date**	: 07/01/20 17:15		
Lab File ID	: VE200701N01	**Init. Calib. Date(s)**	: 06/02/20	06/02/20	
Sample No	: WG1388497-2	**Init. Calib. Times**	: 15:42	19:01	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene	1.037	0.993	-	4.2	20	84	0
p-Diethylbenzene	1.196	1.06	-	11.4	20	76	0
n-Butylbenzene	1.737	1.633	-	6	20	77	0
1,2-Dichlorobenzene	0.988	0.943	-	4.6	20	82	0
1,2,4,5-Tetramethylbenzene	1.896	1.651	-	12.9	20	75	0
1,2-Dibromo-3-chloropropan	0.074	0.046*	-	37.8*	20	58	0
1,3,5-Trichlorobenzene	0.752	0.716	-	4.8	20	85	0
Hexachlorobutadiene	0.272	0.244	-	10.3	20	73	0
1,2,4-Trichlorobenzene	0.671	0.605	-	9.8	20	79	0
Naphthalene	1.524	1.131	-	25.8*	20	65	0
1,2,3-Trichlorobenzene	0.611	0.536	-	12.3	20	78	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: LaBella Associates, P.C.	**Lab Number**	: L2027694	
Project Name	: FORMER WOLLENSACK OPTICAL	**Project Number**	: 2182207	
Instrument ID	: VOA108	**Calibration Date**	: 07/02/20 06:58	
Lab File ID	: V08200702A01	**Init. Calib. Date(s)**	: 06/23/20	06/23/20
Sample No	: WG1388512-2	**Init. Calib. Times**	: 16:49	20:07
Channel	:			

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	95	-.01
Dichlorodifluoromethane	0.249	0.163	-	34.5*	20	61	0
Chloromethane	0.341	0.268	-	21.4*	20	69	0
Vinyl chloride	0.304	0.271	-	10.9	20	79	0
Bromomethane	0.167	0.124	-	25.7*	20	75	0
Chloroethane	0.16	0.163	-	-1.9	20	86	0
Trichlorofluoromethane	0.355	0.341	-	3.9	20	89	0
Ethyl ether	0.13	0.123	-	5.4	20	87	0
1,1-Dichloroethene	0.229	0.216	-	5.7	20	90	0
Carbon disulfide	0.641	0.582	-	9.2	20	83	0
Freon-113	0.224	0.222	-	0.9	20	87	0
Iodomethane	0.332	0.053	-	84*	20	16	0
Acrolein	0.042	0.036*	-	14.3	20	85	0
Methylene chloride	0.284	0.255	-	10.2	20	90	0
Acetone	0.076	0.067*	-	11.8	20	81	0
trans-1,2-Dichloroethene	0.264	0.238	-	9.8	20	86	0
Methyl acetate	0.208	0.166	-	20.2*	20	75	0
Methyl tert-butyl ether	0.701	0.599	-	14.6	20	77	0
tert-Butyl alcohol	0.032	0.025*	-	21.9*	20	70	0
Diisopropyl ether	1.164	1.056	-	9.3	20	85	0
1,1-Dichloroethane	0.499	0.493	-	1.2	20	93	0
Halothane	0.205	0.189	-	7.8	20	88	-.01
Acrylonitrile	0.103	0.085	-	17.5	20	75	0
Ethyl tert-butyl ether	1.002	0.877	-	12.5	20	82	-.01
Vinyl acetate	0.702	0.667	-	5	20	89	0
cis-1,2-Dichloroethene	0.294	0.266	-	9.5	20	84	-.01
2,2-Dichloropropane	0.379	0.363	-	4.2	20	89	-.02
Bromochloromethane	0.136	0.13	-	4.4	20	86	-.01
Cyclohexane	0.527	0.482	-	8.5	20	85	-.01
Chloroform	0.496	0.444	-	10.5	20	85	-.01
Ethyl acetate	0.285	0.251	-	11.9	20	78	0
Carbon tetrachloride	0.345	0.319	-	7.5	20	84	-.01
Tetrahydrofuran	0.079	0.084	-	-6.3	20	88	-.01
Dibromofluoromethane	0.269	0.252	-	6.3	20	90	0
1,1,1-Trichloroethane	0.435	0.393	-	9.7	20	82	-.01
2-Butanone	0.124	0.109	-	12.1	20	84	-.01
1,1-Dichloropropene	0.334	0.303	-	9.3	20	85	0
Benzene	1.024	0.923	-	9.9	20	86	0
tert-Amyl methyl ether	0.8	0.656	-	18	20	76	-.01
1,2-Dichloroethane-d4	0.295	0.306	-	-3.7	20	103	0
1,2-Dichloroethane	0.379	0.358	-	5.5	20	86	-.01
Methyl cyclohexane	0.452	0.397	-	12.2	20	81	0
Trichloroethene	0.307	0.258	-	16	20	84	-.01

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: LaBella Associates, P.C.	**Lab Number**	: L2027694		
Project Name	: FORMER WOLLENSACK OPTICAL	**Project Number**	: 2182207		
Instrument ID	: VOA108	**Calibration Date**	: 07/02/20 06:58		
Lab File ID	: V08200702A01	**Init. Calib. Date(s)**	: 06/23/20	06/23/20	
Sample No	: WG1388512-2	**Init. Calib. Times**	: 16:49	20:07	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Dibromomethane	0.157	0.136	-	13.4	20	82	-.01
1,2-Dichloropropane	0.308	0.275	-	10.7	20	85	0
2-Chloroethyl vinyl ether	0.193	0.15	-	22.3*	20	71	0
Bromodichloromethane	0.399	0.332	-	16.8	20	83	0
1,4-Dioxane	0.00206	0.00203*	-	1.5	20	90	-.01
cis-1,3-Dichloropropene	0.444	0.372	-	16.2	20	80	0
Chlorobenzene-d5	1	1	-	0	20	87	0
Toluene-d8	1.294	1.361	-	-5.2	20	92	-.01
Toluene	0.858	0.855	-	0.3	20	84	0
4-Methyl-2-pentanone	0.154	0.125	-	18.8	20	70	-.01
Tetrachloroethene	0.357	0.352	-	1.4	20	81	0
trans-1,3-Dichloropropene	0.5	0.442	-	11.6	20	76	0
Ethyl methacrylate	0.432	0.334	-	22.7*	20	68	0
1,1,2-Trichloroethane	0.257	0.239	-	7	20	80	0
Chlorodibromomethane	0.379	0.351	-	7.4	20	79	0
1,3-Dichloropropane	0.497	0.476	-	4.2	20	80	0
1,2-Dibromoethane	0.308	0.287	-	6.8	20	80	0
2-Hexanone	0.27	0.226	-	16.3	20	68	0
Chlorobenzene	0.966	0.973	-	-0.7	20	84	0
Ethylbenzene	1.574	1.577	-	-0.2	20	82	0
1,1,1,2-Tetrachloroethane	0.36	0.357	-	0.8	20	82	0
p/m Xylene	0.632	0.644	-	-1.9	20	85	0
o Xylene	0.617	0.629	-	-1.9	20	82	0
Styrene	1.017	1.031	-	-1.4	20	83	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	84	0
Bromoform	0.431	0.383	-	11.1	20	73	0
Isopropylbenzene	3.313	3.458	-	-4.4	20	83	0
4-Bromofluorobenzene	1.052	1.032	-	1.9	20	83	0
Bromobenzene	0.803	0.82	-	-2.1	20	83	0
n-Propylbenzene	3.79	3.991	-	-5.3	20	84	0
1,4-Dichlorobutane	1.268	1.224	-	3.5	20	79	0
1,1,2,2-Tetrachloroethane	0.804	0.738	-	8.2	20	78	0
4-Ethyltoluene	3.256	3.411	-	-4.8	20	83	0
2-Chlorotoluene	2.631	2.811	-	-6.8	20	86	0
1,3,5-Trimethylbenzene	2.727	2.898	-	-6.3	20	85	0
1,2,3-Trichloropropane	0.591	0.555	-	6.1	20	78	0
trans-1,4-Dichloro-2-buten	0.267	0.228	-	14.6	20	71	0
4-Chlorotoluene	2.381	2.47	-	-3.7	20	83	0
tert-Butylbenzene	2.918	2.583	-	11.5	20	71	0
1,2,4-Trimethylbenzene	2.744	2.802	-	-2.1	20	83	0
sec-Butylbenzene	3.39	3.647	-	-7.6	20	85	0
p-Isopropyltoluene	3.099	3.296	-	-6.4	20	84	0
1,3-Dichlorobenzene	1.587	1.693	-	-6.7	20	86	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: LaBella Associates, P.C.	**Lab Number**	: L2027694		
Project Name	: FORMER WOLLENSACK OPTICAL	**Project Number**	: 2182207		
Instrument ID	: VOA108	**Calibration Date**	: 07/02/20 06:58		
Lab File ID	: V08200702A01	**Init. Calib. Date(s)**	: 06/23/20	06/23/20	
Sample No	: WG1388512-2	**Init. Calib. Times**	: 16:49	20:07	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene	1.606	1.703	-	-6	20	86	0
p-Diethylbenzene	1.87	1.914	-	-2.4	20	82	0
n-Butylbenzene	2.612	2.883	-	-10.4	20	87	0
1,2-Dichlorobenzene	1.498	1.562	-	-4.3	20	84	0
1,2,4,5-Tetramethylbenzene	3.027	2.943	-	2.8	20	80	0
1,2-Dibromo-3-chloropropan	0.121	0.101	-	16.5	20	69	0
1,3,5-Trichlorobenzene	1.045	1.084	-	-3.7	20	87	0
Hexachlorobutadiene	0.372	0.395	-	-6.2	20	90	0
1,2,4-Trichlorobenzene	0.956	0.93	-	2.7	20	82	0
Naphthalene	2.47	2.118	-	14.3	20	73	0
1,2,3-Trichlorobenzene	0.856	0.808	-	5.6	20	80	0

* Value outside of QC limits.

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA122\2020\200701A\
Data File : V22200701A01.D
Acq On : 01 Jul 2020 08:46 am
Operator : VOA122:PD
Sample : WG1388388-2
Misc : WG1388388,ICAL16903
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 01 09:12:26 2020
Quant Method : I:\VOLATILES\VOA122\2020\200701A\V122_200617N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jun 18 17:18:38 2020
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	66	0.00
2	TP	Dichlorodifluoromethane	0.197	0.186	5.6	64	0.00
3	TP	Chloromethane	0.253	0.284	-12.3	75	0.00
4	TC	Vinyl chloride	0.227	0.215	5.3	68	0.00
5	TP	Bromomethane	0.111	0.064#	42.3#	44#	0.00
6	TP	Chloroethane	0.120	0.117	2.5	65	0.00
7	TP	Trichlorofluoromethane	0.316	0.344	-8.9	73	0.00
8	TP	Ethyl ether	0.101	0.084	16.8	54	0.00
10	TC	1,1-Dichloroethene	0.198	0.199	-0.5	65	0.00
11	TP	Carbon disulfide	0.491	0.479	2.4	63	0.00
12	TP	Freon-113	0.201	0.212	-5.5	67	0.00
14	TP	Acrolein	0.030	0.027#	10.0	56	0.00
15	TP	Methylene chloride	0.212	0.206	2.8	63	0.00
17	TP	Acetone	0.041	0.050#	-22.0#	83	0.00
18	TP	trans-1,2-Dichloroethene	0.217	0.220	-1.4	65	0.00
19	TP	Methyl acetate	0.116	0.128	-10.3	67	0.00
21	TP	Methyl tert-butyl ether	0.464	0.419	9.7	57	0.00
22	TP	tert-Butyl alcohol	0.012	0.016#	-33.3#	83	0.00
24	TP	Diisopropyl ether	0.714	0.723	-1.3	65	0.00
25	TP	1,1-Dichloroethane	0.387	0.410	-5.9	69	0.00
26	TP	Halothane	0.194	0.196	-1.0	66	0.00
27	TP	Acrylonitrile	0.057	0.058	-1.8	64	0.00
28	TP	Ethyl tert-butyl ether	0.658	0.631	4.1	61	0.00
29	TP	Vinyl acetate	0.419	0.420	-0.2	67	0.00
30	TP	cis-1,2-Dichloroethene	0.234	0.242	-3.4	66	0.00
31	TP	2,2-Dichloropropane	0.278	0.274	1.4	68	0.00
32	TP	Bromochloromethane	0.123	0.129	-4.9	66	0.00
33	TP	Cyclohexane	0.421	0.430	-2.1	67	0.00
34	TC	Chloroform	0.355	0.365	-2.8	66	0.00
35	TP	Ethyl acetate	0.159	0.162	-1.9	65	0.00
36	TP	Carbon tetrachloride	0.349	0.358	-2.6	72	0.00
37	TP	Tetrahydrofuran	0.059	0.054	8.5	58	0.00
38	S	Dibromofluoromethane	0.278	0.298	-7.2	70	0.00
39	TP	1,1,1-Trichloroethane	0.335	0.358	-6.9	70	0.00
41	TP	2-Butanone	0.067	0.078#	-16.4	75	0.00
42	TP	1,1-Dichloropropene	0.267	0.260	2.6	65	0.00
44	TP	Benzene	0.872	0.788	9.6	61	0.00
45	TP	tert-Amyl methyl ether	0.564	0.453	19.7	51	0.00
46	S	1,2-Dichloroethane-d4	0.257	0.282	-9.7	73	0.00

Data Path : I:\VOLATILES\VOA122\2020\200701A\
Data File : V22200701A01.D
Acq On : 01 Jul 2020 08:46 am
Operator : VOA122:PD
Sample : WG1388388-2
Misc : WG1388388,ICAL16903
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 01 09:12:26 2020
Quant Method : I:\VOLATILES\VOA122\2020\200701A\V122_200617N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jun 18 17:18:38 2020
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
47	T	1,2-Dichloroethane	0.282	0.307	-8.9	72	0.00
50	TP	Methyl cyclohexane	0.371	0.329	11.3	59	0.00
51	TP	Trichloroethene	0.241	0.221	8.3	65	0.00
53	TP	Dibromomethane	0.122	0.118	3.3	65	0.00
54	TC	1,2-Dichloropropane	0.222	0.218	1.8	63	0.00
56	TP	2-Chloroethyl vinyl ether	0.133	0.046#	65.4#	22#	0.00
57	TP	Bromodichloromethane	0.277	0.264	4.7	63	0.00
60	TP	1,4-Dioxane	0.00100	0.00151#	-51.0#	92	0.00
61	TP	cis-1,3-Dichloropropene	0.338	0.300	11.2	59	0.00
62	I	Chlorobenzene-d5	1.000	1.000	0.0	69	0.00
63	S	Toluene-d8	1.380	1.294	6.2	65	0.00
64	TC	Toluene	0.677	0.619	8.6	63	0.00
65	TP	4-Methyl-2-pentanone	0.078	0.066#	15.4	56	0.00
66	TP	Tetrachloroethene	0.322	0.307	4.7	66	0.00
68	TP	trans-1,3-Dichloropropene	0.342	0.298	12.9	60	0.00
70	TP	Ethyl methacrylate	0.260	0.183	29.6#	48#	0.00
71	TP	1,1,2-Trichloroethane	0.167	0.144	13.8	59	0.00
72	TP	Chlorodibromomethane	0.292	0.277	5.1	65	0.00
73	TP	1,3-Dichloropropane	0.343	0.298	13.1	60	0.00
74	TP	1,2-Dibromoethane	0.223	0.198	11.2	61	0.00
76	TP	2-Hexanone	0.143	0.107	25.2#	55	0.00
77	TP	Chlorobenzene	0.788	0.752	4.6	64	0.00
78	TC	Ethylbenzene	1.257	1.165	7.3	63	0.00
79	TP	1,1,1,2-Tetrachloroethane	0.290	0.283	2.4	65	0.00
80	TP	p/m Xylene	0.521	0.499	4.2	63	0.00
81	TP	o Xylene	0.508	0.478	5.9	63	0.00
82	TP	Styrene	0.816	0.775	5.0	62	0.00
83	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	71	0.00
84	TP	Bromoform	0.326	0.294	9.8	64	0.00
86	TP	Isopropylbenzene	1.597	1.456	8.8	64	0.00
87	S	4-Bromofluorobenzene	0.951	0.820	13.8	63	0.00
88	TP	Bromobenzene	0.674	0.619	8.2	67	0.00
89	TP	n-Propylbenzene	2.977	2.666	10.4	64	0.00
90	TP	1,4-Dichlorobutane	0.720	0.653	9.3	67	0.00
91	TP	1,1,2,2-Tetrachloroethane	0.478	0.404	15.5	60	0.00
92	TP	4-Ethyltoluene	2.598	2.379	8.4	64	0.00
93	TP	2-Chlorotoluene	1.965	1.792	8.8	64	0.00

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA122\2020\200701A\
Data File : V22200701A01.D
Acq On : 01 Jul 2020 08:46 am
Operator : VOA122:PD
Sample : WG1388388-2
Misc : WG1388388,ICAL16903
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 01 09:12:26 2020
Quant Method : I:\VOLATILES\VOA122\2020\200701A\V122_200617N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jun 18 17:18:38 2020
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
94 TP	1,3,5-Trimethylbenzene	2.146	1.953	9.0	64	0.00
95 TP	1,2,3-Trichloropropane	0.364	0.317	12.9	61	0.00
96 TP	trans-1,4-Dichloro-2-butene	0.139	0.117	15.8	62	0.00
97 TP	4-Chlorotoluene	1.798	1.623	9.7	65	0.00
98 TP	tert-Butylbenzene	1.963	1.780	9.3	65	0.00
101 TP	1,2,4-Trimethylbenzene	2.137	1.948	8.8	64	0.00
102 TP	sec-Butylbenzene	2.630	2.423	7.9	65	0.00
103 TP	p-Isopropyltoluene	2.619	2.436	7.0	65	0.00
104 TP	1,3-Dichlorobenzene	1.290	1.269	1.6	69	0.00
105 TP	1,4-Dichlorobenzene	1.275	1.239	2.8	69	0.00
106 TP	p-Diethylbenzene	1.362	1.243	8.7	64	0.00
107 TP	n-Butylbenzene	1.756	1.610	8.3	65	0.00
108 TP	1,2-Dichlorobenzene	1.164	1.134	2.6	69	0.00
109 TP	1,2,4,5-Tetramethylbenzene	1.929	1.709	11.4	63	0.00
110 TP	1,2-Dibromo-3-chloropropane	0.092	0.079	14.1	63	0.00
111 TP	1,3,5-Trichlorobenzene	0.696	0.680	2.3	70	0.00
112 TP	Hexachlorobutadiene	0.209	0.222	-6.2	78	0.00
113 TP	1,2,4-Trichlorobenzene	0.644	0.606	5.9	69	0.00
114 TP	Naphthalene	1.801	1.512	16.0	62	0.00
115 TP	1,2,3-Trichlorobenzene	0.585	0.545	6.8	68	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 8 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2020\200701A\
Data File : V22200701A01.D
Acq On : 01 Jul 2020 08:46 am
Operator : VOA122:PD
Sample : WG1388388-2
Misc : WG1388388,ICAL16903
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 01 09:12:26 2020
Quant Method : I:\VOLATILES\VOA122\2020\200701A\V122_200617N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jun 18 17:18:38 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2020\200701A\V22200701A01.D
Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.776	96	180591	10.000	ug/L	0.00
Standard Area 1 = 180591			Recovery = 100.00%			
62) Chlorobenzene-d5	9.298	117	157975	10.000	ug/L	0.00
Standard Area 1 = 157975			Recovery = 100.00%			
83) 1,4-Dichlorobenzene-d4	12.065	152	82999	10.000	ug/L	0.00
Standard Area 1 = 82999			Recovery = 100.00%			
System Monitoring Compounds						
38) Dibromofluoromethane	4.971	113	53785	10.718	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 107.18%			
46) 1,2-Dichloroethane-d4	5.494	65	50876	10.954	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 109.54%			
63) Toluene-d8	7.464	98	204409	9.378	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 93.78%			
87) 4-Bromofluorobenzene	10.828	95	68090	8.628	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 86.28%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.522	85	33500	9.421	ug/L	97
3) Chloromethane	1.709	50	51344	11.220	ug/L	97
4) Vinyl chloride	1.764	62	38790	9.480	ug/L	97
5) Bromomethane	2.052	94	11583	5.763	ug/L	98
6) Chloroethane	2.162	64	21148	9.789	ug/L	93
7) Trichlorofluoromethane	2.294	101	62062	10.868	ug/L	100
8) Ethyl ether	2.591	74	15142	8.315	ug/L #	1
10) 1,1-Dichloroethene	2.770	96	36021	10.078	ug/L	87
11) Carbon disulfide	2.802	76	86478	9.760	ug/L	100
12) Freon-113	2.809	101	38208	10.507	ug/L	96
14) Acrolein	3.083	56	4830	8.867	ug/L	98
15) Methylene chloride	3.309	84	37156	9.695	ug/L #	67
17) Acetone	3.356	43	9036	12.238	ug/L	91
18) trans-1,2-Dichloroethene	3.457	96	39701	10.124	ug/L	88
19) Methyl acetate	3.473	43	23039	11.000	ug/L #	81
21) Methyl tert-butyl ether	3.559	73	75626	9.017	ug/L #	85
22) tert-Butyl alcohol	3.637	59	14293	65.343	ug/L	95
24) Diisopropyl ether	3.910	45	130587	10.130	ug/L	92
25) 1,1-Dichloroethane	4.027	63	74114	10.607	ug/L	94
26) Halothane	4.082	117	35439	10.128	ug/L	98
27) Acrylonitrile	4.074	53	10478	10.105	ug/L	93

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2020\200701A\
Data File : V22200701A01.D
Acq On : 01 Jul 2020 08:46 am
Operator : VOA122:PD
Sample : WG1388388-2
Misc : WG1388388,ICAL16903
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 01 09:12:26 2020
Quant Method : I:\VOLATILES\VOA122\2020\200701A\V122_200617N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jun 18 17:18:38 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2020\200701A\V22200701A01.D
Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
28) Ethyl tert-butyl ether	4.253	59	113998	9.598	ug/L		92
29) Vinyl acetate	4.269	43	75781	10.026	ug/L	#	91
30) cis-1,2-Dichloroethene	4.542	96	43693	10.323	ug/L		88
31) 2,2-Dichloropropane	4.643	77	49477	9.838	ug/L		92
32) Bromochloromethane	4.722	128	23375	10.528	ug/L	#	85
33) Cyclohexane	4.737	56	77721	10.232	ug/L		68
34) Chloroform	4.800	83	65956	10.279	ug/L		96
35) Ethyl acetate	4.917	43	29275	10.227	ug/L	#	94
36) Carbon tetrachloride	4.932	117	64722	10.263	ug/L		97
37) Tetrahydrofuran	4.956	42	9678	9.098	ug/L	#	82
39) 1,1,1-Trichloroethane	5.002	97	64593	10.685	ug/L		98
41) 2-Butanone	5.096	43	14022	11.612	ug/L	#	66
42) 1,1-Dichloropropene	5.120	75	46865	9.709	ug/L		96
44) Benzene	5.362	78	142234	9.035	ug/L	#	91
45) tert-Amyl methyl ether	5.479	73	81738	8.020	ug/L	#	86
47) 1,2-Dichloroethane	5.564	62	55519	10.905	ug/L		99
50) Methyl cyclohexane	5.948	83	59381	8.870	ug/L	#	67
51) Trichloroethene	5.957	95	39979	9.179	ug/L		89
53) Dibromomethane	6.389	93	21339	9.714	ug/L		90
54) 1,2-Dichloropropane	6.493	63	39368	9.809	ug/L		95
56) 2-Chloroethyl vinyl ether	7.194	63	8322	3.474	ug/L		88
57) Bromodichloromethane	6.562	83	47723	9.532	ug/L		99
60) 1,4-Dioxane	6.779	88	13611	753.357	ug/L	#	59
61) cis-1,3-Dichloropropene	7.254	75	54176	8.862	ug/L	#	92
64) Toluene	7.519	92	97753	9.137	ug/L		97
65) 4-Methyl-2-pentanone	7.964	58	10366	8.398	ug/L		89
66) Tetrachloroethene	7.964	166	48442	9.522	ug/L		97
68) trans-1,3-Dichloropropene	8.003	75	47052	8.699	ug/L		92
70) Ethyl methacrylate	8.206	69	28831	7.024	ug/L		83
71) 1,1,2-Trichloroethane	8.182	83	22725	8.607	ug/L		95
72) Chlorodibromomethane	8.393	129	43712	9.487	ug/L		99
73) 1,3-Dichloropropane	8.510	76	47036	8.689	ug/L		98
74) 1,2-Dibromoethane	8.666	107	31316	8.908	ug/L		98
76) 2-Hexanone	8.970	43	16943	7.508	ug/L		95
77) Chlorobenzene	9.321	112	118720	9.542	ug/L	#	83
78) Ethylbenzene	9.368	91	183975	9.263	ug/L		97
79) 1,1,1,2-Tetrachloroethane	9.407	131	44696	9.755	ug/L		97
80) p/m Xylene	9.556	106	157749	19.152	ug/L		91
81) o Xylene	10.102	106	150894	18.786	ug/L		92
82) Styrene	10.172	104	244785	18.979	ug/L		94

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2020\200701A\
Data File : V22200701A01.D
Acq On : 01 Jul 2020 08:46 am
Operator : VOA122:PD
Sample : WG1388388-2
Misc : WG1388388,ICAL16903
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 01 09:12:26 2020
Quant Method : I:\VOLATILES\VOA122\2020\200701A\V122_200617N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jun 18 17:18:38 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2020\200701A\V22200701A01.D
Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
84) Bromoform	10.180	173	24370	9.009	ug/L		99
86) Isopropylbenzene	10.492	105	120852	9.115	ug/L		95
88) Bromobenzene	10.937	156	51385	9.185	ug/L		99
89) n-Propylbenzene	10.991	91	221256	8.955	ug/L		95
90) 1,4-Dichlorobutane	11.007	55	54183	9.067	ug/L		97
91) 1,1,2,2-Tetrachloroethane	11.077	83	33494	8.450	ug/L		98
92) 4-Ethyltoluene	11.124	105	197454	9.158	ug/L		96
93) 2-Chlorotoluene	11.155	91	148703	9.119	ug/L		91
94) 1,3,5-Trimethylbenzene	11.226	105	162106	9.101	ug/L		94
95) 1,2,3-Trichloropropane	11.218	75	26298	8.699	ug/L		91
96) trans-1,4-Dichloro-2-b...	11.280	53	9694	8.393	ug/L	#	78
97) 4-Chlorotoluene	11.351	91	134678	9.023	ug/L		90
98) tert-Butylbenzene	11.577	119	147722	9.069	ug/L		93
101) 1,2,4-Trimethylbenzene	11.655	105	161670	9.115	ug/L		97
102) sec-Butylbenzene	11.764	105	201114	9.212	ug/L		97
103) p-Isopropyltoluene	11.926	119	202176	9.301	ug/L		97
104) 1,3-Dichlorobenzene	11.981	146	105356	9.840	ug/L		99
105) 1,4-Dichlorobenzene	12.079	146	102871	9.723	ug/L		99
106) p-Diethylbenzene	12.309	119	103154	9.128	ug/L		97
107) n-Butylbenzene	12.364	91	133637	9.167	ug/L		96
108) 1,2-Dichlorobenzene	12.503	146	94135	9.741	ug/L		97
109) 1,2,4,5-Tetramethylben...	13.109	119	141813	8.856	ug/L		97
110) 1,2-Dibromo-3-chloropr...	13.290	155	6579	8.609	ug/L		98
111) 1,3,5-Trichlorobenzene	13.325	180	56457	9.776	ug/L		98
112) Hexachlorobutadiene	13.910	225	18399	10.612	ug/L		100
113) 1,2,4-Trichlorobenzene	13.930	180	50272	9.412	ug/L		97
114) Naphthalene	14.223	128	125488	8.396	ug/L		100
115) 1,2,3-Trichlorobenzene	14.397	180	45200	9.301	ug/L		97

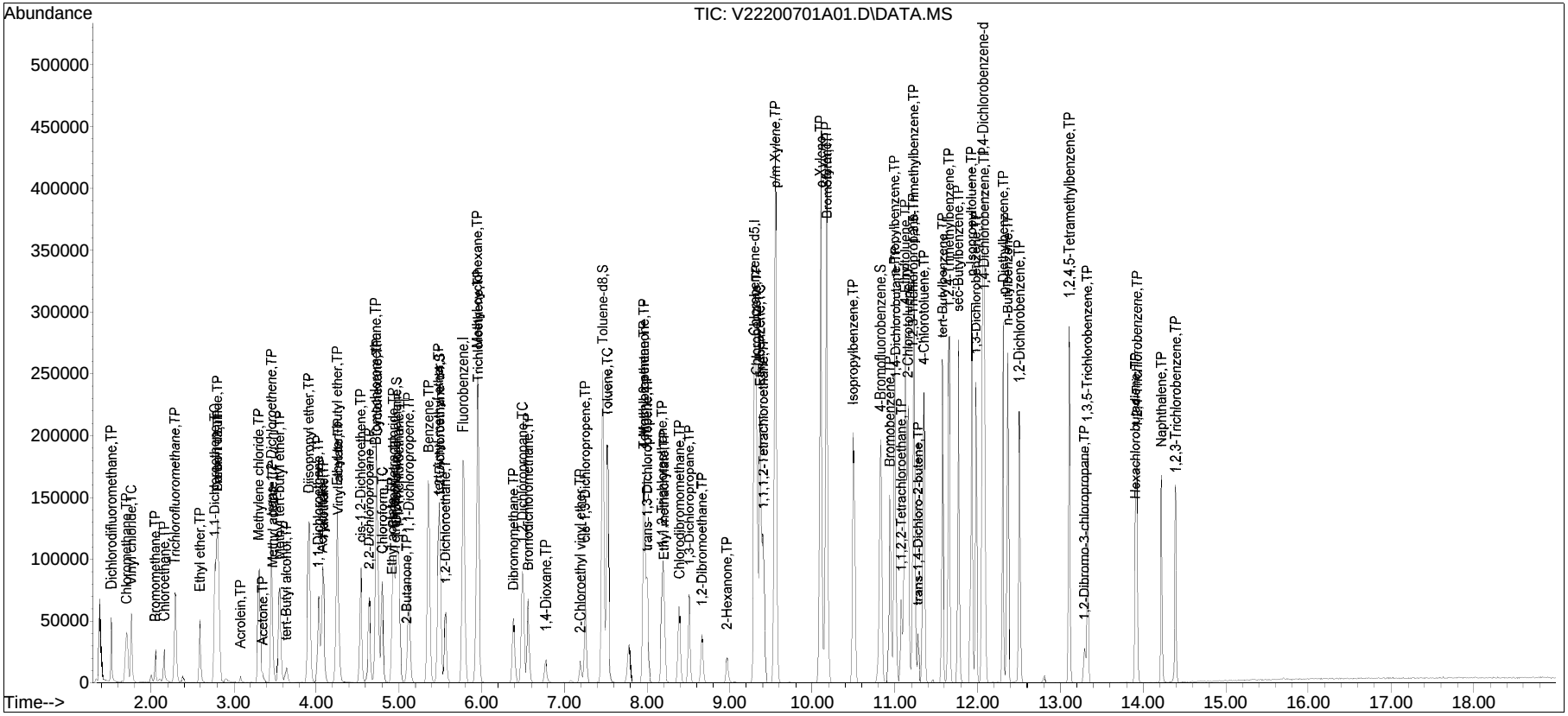
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2020\200701A\
Data File : V22200701A01.D
Acq On : 01 Jul 2020 08:46 am
Operator : VOA122:PD
Sample : WG1388388-2
Misc : WG1388388,ICAL16903
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 01 09:12:26 2020
Quant Method : I:\VOLATILES\VOA122\2020\200701A\V122_200617N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jun 18 17:18:38 2020
Response via : Initial Calibration

Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane



Manual Integration Report

Data Path	: I:\VOLATILES\VOA122\2020\2Q	Method	: V122_200617N_8260.m
Data File	: V22200701A01.D	Operator	: VOA122:PD
Date Inj'd	: 7/1/2020 8:46 am	Instrument	: VOA122
Sample	: WG1388388-2	Quant Date	: 7/1/2020 9:12 am

There are no manual integrations or false positives in this file.

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\Elaine\2020\200701N\
Data File : VE200701N01.D
Acq On : 1 Jul 2020 5:15 pm
Operator : ELAINE:TMS
Sample : WG1388497-2
Misc : WG1388497,ICAL16849
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 01 17:59:59 2020
Quant Method : I:\VOLATILES\Elaine\2020\200701N\Elaine_200602N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jun 03 14:54:28 2020
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	80	0.00
2	TP	Dichlorodifluoromethane	0.174	0.159	8.6	64	0.00
3	TP	Chloromethane	0.185	0.214	-15.7	86	0.00
4	TC	Vinyl chloride	0.207	0.242	-16.9	85	0.00
5	TP	Bromomethane	0.094	0.110	-17.0	104	0.00
6	TP	Chloroethane	0.120	0.160	-33.3#	94	0.00
7	TP	Trichlorofluoromethane	0.238	0.288	-21.0#	83	0.00
8	TP	Ethyl ether	0.093	0.099	-6.5	77	0.00
10	TC	1,1-Dichloroethene	0.144	0.171	-18.8	86	0.00
11	TP	Carbon disulfide	0.339	0.375	-10.6	85	0.00
12	TP	Freon-113	0.153	0.184	-20.3#	86	0.00
13	TP	Iodomethane	* 10.000	9.683	3.2	84	0.00
14	TP	Acrolein	0.029	0.026#	10.3	63	-0.01
15	TP	Methylene chloride	0.176	0.199	-13.1	90	0.00
17	TP	Acetone	0.039	0.040#	-2.6	79	0.00
18	TP	trans-1,2-Dichloroethene	0.156	0.183	-17.3	84	0.00
19	TP	Methyl acetate	0.115	0.124	-7.8	82	0.00
20	TP	Methyl tert-butyl ether	0.455	0.416	8.6	69	-0.01
21	TP	tert-Butyl alcohol	0.016	0.011#	31.3#	50	-0.01
22	TP	Diisopropyl ether	0.657	0.772	-17.5	88	0.00
23	TP	1,1-Dichloroethane	0.327	0.389	-19.0	87	0.00
24	TP	Halothane	0.134	0.156	-16.4	89	0.00
25	TP	Acrylonitrile	0.052	0.053	-1.9	80	-0.01
26	TP	Ethyl tert-butyl ether	0.637	0.647	-1.6	78	-0.01
27	TP	Vinyl acetate	0.458	0.424	7.4	74	-0.01
28	TP	cis-1,2-Dichloroethene	0.178	0.229	-28.7#	96	-0.01
29	TP	2,2-Dichloropropane	0.249	0.257	-3.2	75	-0.02
30	TP	Bromochloromethane	0.080	0.096	-20.0	85	-0.01
31	TP	Cyclohexane	0.327	0.398	-21.7#	88	-0.02
32	TC	Chloroform	0.294	0.334	-13.6	85	0.00
33	TP	Ethyl acetate	0.141	0.130	7.8	75	0.00
34	TP	Carbon tetrachloride	0.224	0.235	-4.9	76	-0.01
35	TP	Tetrahydrofuran	0.046	0.039#	15.2	68	0.00
36	S	Dibromofluoromethane	0.237	0.269	-13.5	92	-0.01
37	TP	1,1,1-Trichloroethane	0.274	0.283	-3.3	77	-0.01
39	TP	2-Butanone	0.062	0.048#	22.6#	56	-0.01
40	TP	1,1-Dichloropropene	0.219	0.241	-10.0	84	-0.01
41	TP	Benzene	0.736	0.744	-1.1	80	-0.01
42	TP	tert-Amyl methyl ether	0.510	0.412	19.2	59	0.00

Data Path : I:\VOLATILES\Elaine\2020\200701N\
Data File : VE200701N01.D
Acq On : 1 Jul 2020 5:15 pm
Operator : ELAINE:TMS
Sample : WG1388497-2
Misc : WG1388497,ICAL16849
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 01 17:59:59 2020
Quant Method : I:\VOLATILES\Elaine\2020\200701N\Elaine_200602N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jun 03 14:54:28 2020
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
43	S	1,2-Dichloroethane-d4	0.290	0.285	1.7	79	0.00
44	TP	1,2-Dichloroethane	0.237	0.234	1.3	76	0.00
47	TP	Methyl cyclohexane	0.292	0.286	2.1	69	0.00
48	TP	Trichloroethene	* 10.000	11.319	-13.2	78	0.00
50	TP	Dibromomethane	0.094	0.095	-1.1	78	0.00
51	TC	1,2-Dichloropropane	0.192	0.225	-17.2	87	0.00
53	TP	2-Chloroethyl vinyl ether	0.119	0.093	21.8#	60	0.00
54	TP	Bromodichloromethane	0.226	0.226	0.0	75	0.00
57	TP	1,4-Dioxane	0.00140	0.00101#	27.9#	57	0.00
58	TP	cis-1,3-Dichloropropene	0.281	0.276	1.8	73	0.00
59	I	Chlorobenzene-d5	1.000	1.000	0.0	92	0.00
60	S	Toluene-d8	1.322	1.306	1.2	93	0.00
61	TC	Toluene	0.616	0.600	2.6	84	0.00
62	TP	4-Methyl-2-pentanone	0.081	0.058#	28.4#	59	0.00
63	TP	Tetrachloroethene	0.261	0.255	2.3	85	0.00
65	TP	trans-1,3-Dichloropropene	0.333	0.262	21.3#	68	0.00
67	TP	Ethyl methacrylate	0.275	0.197	28.4#	62	0.00
68	TP	1,1,2-Trichloroethane	0.158	0.148	6.3	80	0.00
69	TP	Chlorodibromomethane	0.224	0.183	18.3	71	0.00
70	TP	1,3-Dichloropropane	0.344	0.312	9.3	77	0.00
71	TP	1,2-Dibromoethane	0.191	0.160	16.2	72	0.00
72	TP	2-Hexanone	0.156	0.104	33.3#	63	0.00
73	TP	Chlorobenzene	0.650	0.647	0.5	84	0.00
74	TC	Ethylbenzene	1.139	1.103	3.2	82	0.00
75	TP	1,1,1,2-Tetrachloroethane	0.230	0.207	10.0	76	0.00
76	TP	p/m Xylene	0.440	0.430	2.3	82	0.00
77	TP	o Xylene	0.421	0.418	0.7	83	0.00
78	TP	Styrene	0.702	0.695	1.0	82	0.00
79	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	93	0.00
80	TP	Bromoform	0.276	0.197	28.6#	63	0.00
82	TP	Isopropylbenzene	2.265	2.171	4.2	81	0.00
83	S	4-Bromofluorobenzene	1.031	0.945	8.3	85	0.00
84	TP	Bromobenzene	0.552	0.543	1.6	83	0.00
85	TP	n-Propylbenzene	2.587	2.517	2.7	81	0.00
86	TP	1,4-Dichlorobutane	0.748	0.653	12.7	75	0.00
87	TP	1,1,2,2-Tetrachloroethane	0.460	0.371	19.3	69	0.00
88	TP	4-Ethyltoluene	2.213	2.105	4.9	81	0.00

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\Elaine\2020\200701N\
Data File : VE200701N01.D
Acq On : 1 Jul 2020 5:15 pm
Operator : ELAINE:TMS
Sample : WG1388497-2
Misc : WG1388497,ICAL16849
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 01 17:59:59 2020
Quant Method : I:\VOLATILES\Elaine\2020\200701N\Elaine_200602N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jun 03 14:54:28 2020
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
89 TP	2-Chlorotoluene	1.835	1.773	3.4	83	0.00
90 TP	1,3,5-Trimethylbenzene	1.890	1.778	5.9	79	0.00
91 TP	1,2,3-Trichloropropane	0.386	0.315	18.4	70	0.00
92 TP	trans-1,4-Dichloro-2-butene	0.138	0.097	29.7#	58	0.00
93 TP	4-Chlorotoluene	1.654	1.592	3.7	83	0.00
94 TP	tert-Butylbenzene	1.851	1.510	18.4	73	0.00
97 TP	1,2,4-Trimethylbenzene	1.862	1.751	6.0	81	0.00
98 TP	sec-Butylbenzene	2.287	2.202	3.7	78	0.00
99 TP	p-Isopropyltoluene	1.989	1.850	7.0	78	0.00
100 TP	1,3-Dichlorobenzene	1.026	1.035	-0.9	85	0.00
101 TP	1,4-Dichlorobenzene	1.037	0.993	4.2	84	0.00
102 TP	p-Diethylbenzene	1.196	1.060	11.4	76	0.00
103 TP	n-Butylbenzene	1.737	1.633	6.0	77	0.00
104 TP	1,2-Dichlorobenzene	0.988	0.943	4.6	82	0.00
105 TP	1,2,4,5-Tetramethylbenzene	1.896	1.651	12.9	75	0.00
106 TP	1,2-Dibromo-3-chloropropane	0.074	0.046#	37.8#	58	0.00
107 TP	1,3,5-Trichlorobenzene	0.752	0.716	4.8	85	0.00
108 TP	Hexachlorobutadiene	0.272	0.244	10.3	73	0.00
109 TP	1,2,4-Trichlorobenzene	0.671	0.605	9.8	79	0.00
110 TP	Naphthalene	1.524	1.131	25.8#	65	0.00
111 TP	1,2,3-Trichlorobenzene	0.611	0.536	12.3	78	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 8 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2020\200701N\
Data File : VE200701N01.D
Acq On : 1 Jul 2020 5:15 pm
Operator : ELAINE:TMS
Sample : WG1388497-2
Misc : WG1388497,ICAL16849
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 01 17:59:59 2020
Quant Method : I:\VOLATILES\Elaine\2020\200701N\Elaine_200602N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jun 03 14:54:28 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2020\200701N\VE200701N01.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.487	96	144276	10.000 ug/L	0.00
Standard Area 1 = 144276			Recovery = 100.00%		
59) Chlorobenzene-d5	8.497	117	121890	10.000 ug/L	0.00
Standard Area 1 = 121890			Recovery = 100.00%		
79) 1,4-Dichlorobenzene-d4	9.988	152	61045	10.000 ug/L	0.00
Standard Area 1 = 61045			Recovery = 100.00%		
System Monitoring Compounds					
36) Dibromofluoromethane	4.496	113	38782	11.341 ug/L	-0.01
Spiked Amount 10.000	Range 70 - 130		Recovery = 113.41%		
43) 1,2-Dichloroethane-d4	5.145	65	41048	9.795 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.95%		
60) Toluene-d8	7.195	98	159170	9.879 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.79%		
83) 4-Bromofluorobenzene	9.321	95	57662	9.160 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 91.60%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.938	85	22967M1	9.138 ug/L	
3) Chloromethane	1.060	50	30812M1	11.568 ug/L	
4) Vinyl chloride	1.113	62	34948M1	11.682 ug/L	
5) Bromomethane	1.316	94	15936M1	11.791 ug/L	
6) Chloroethane	1.400	64	23111M1	13.345 ug/L	
7) Trichlorofluoromethane	1.494	101	41499M1	12.106 ug/L	
8) Ethyl ether	1.731	74	14247M1	10.585 ug/L	
10) 1,1-Dichloroethene	1.862	96	24690	11.845 ug/L #	74
11) Carbon disulfide	1.864	76	54137M1	11.080 ug/L	
12) Freon-113	1.900	101	26595M1	12.041 ug/L	
13) Iodomethane	1.962	142	10984M1	9.683 ug/L	
14) Acrolein	2.140	56	3780M1	9.062 ug/L	
15) Methylene chloride	2.348	84	28703	11.290 ug/L	84
17) Acetone	2.410	43	5820	10.246 ug/L	97
18) trans-1,2-Dichloroethene	2.493	96	26417	11.742 ug/L	82
19) Methyl acetate	2.538	43	17824	10.757 ug/L	97
20) Methyl tert-butyl ether	2.616	73	59987	9.141 ug/L	97
21) tert-Butyl alcohol	2.766	59	8144M1	35.087 ug/L	
22) Diisopropyl ether	3.044	45	111310	11.746 ug/L	98
23) 1,1-Dichloroethane	3.133	63	56181	11.904 ug/L	96
24) Halothane	3.280	117	22481M1	11.633 ug/L	

Data Path : I:\VOLATILES\Elaine\2020\200701N\
Data File : VE200701N01.D
Acq On : 1 Jul 2020 5:15 pm
Operator : ELAINE:TMS
Sample : WG1388497-2
Misc : WG1388497,ICAL16849
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 01 17:59:59 2020
Quant Method : I:\VOLATILES\Elaine\2020\200701N\Elaine_200602N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jun 03 14:54:28 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2020\200701N\VE200701N01.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	3.208	53	7690M1	10.172	ug/L		
26) Ethyl tert-butyl ether	3.486	59	93333M1	10.157	ug/L		
27) Vinyl acetate	3.503	43	61163M1	9.266	ug/L		
28) cis-1,2-Dichloroethene	3.820	96	33020	12.869	ug/L	#	77
29) 2,2-Dichloropropane	3.957	77	37044	10.312	ug/L		88
30) Bromochloromethane	4.096	128	13828M1	11.940	ug/L		
31) Cyclohexane	4.048	56	57357M1	12.143	ug/L		
32) Chloroform	4.257	83	48171M1	11.340	ug/L		
33) Ethyl acetate	4.505	43	18705	9.206	ug/L	#	86
34) Carbon tetrachloride	4.366	117	33862	10.462	ug/L		99
35) Tetrahydrofuran	4.446	42	5598	8.462	ug/L	#	85
37) 1,1,1-Trichloroethane	4.468	97	40847	10.348	ug/L	#	95
39) 2-Butanone	4.694	43	6906	7.738	ug/L	#	76
40) 1,1-Dichloropropene	4.644	75	34754	10.978	ug/L		95
41) Benzene	4.958	78	107376M1	10.107	ug/L		
42) tert-Amyl methyl ether	5.184	73	59464M1	8.080	ug/L		
44) 1,2-Dichloroethane	5.228	62	33692M1	9.860	ug/L		
47) Methyl cyclohexane	5.631	83	41280M1	9.788	ug/L		
48) Trichloroethene	5.676	95	26143M1	11.319	ug/L		
50) Dibromomethane	6.132	93	13635	10.055	ug/L		93
51) 1,2-Dichloropropane	6.249	63	32527	11.771	ug/L	#	90
53) 2-Chloroethyl vinyl ether	7.009	63	13354	7.760	ug/L		96
54) Bromodichloromethane	6.355	83	32608	9.986	ug/L		94
57) 1,4-Dioxane	6.583	88	7290	361.981	ug/L	#	86
58) cis-1,3-Dichloropropene	7.017	75	39809	9.812	ug/L		93
61) Toluene	7.242	92	73161	9.739	ug/L		97
62) 4-Methyl-2-pentanone	7.660	58	7010	7.123	ug/L	#	90
63) Tetrachloroethene	7.596	166	31090	9.770	ug/L	#	85
65) trans-1,3-Dichloropropene	7.674	75	31994	7.885	ug/L		98
67) Ethyl methacrylate	7.863	69	24057	7.175	ug/L		99
68) 1,1,2-Trichloroethane	7.804	83	18000	9.350	ug/L		92
69) Chlorodibromomethane	7.938	129	22285	8.149	ug/L		93
70) 1,3-Dichloropropane	8.016	76	38078	9.094	ug/L		99
71) 1,2-Dibromoethane	8.097	107	19534	8.395	ug/L		100
72) 2-Hexanone	8.341	43	12699	6.695	ug/L		94
73) Chlorobenzene	8.508	112	78902	9.961	ug/L		92
74) Ethylbenzene	8.550	91	134425	9.683	ug/L		99
75) 1,1,1,2-Tetrachloroethane	8.570	131	25183	8.981	ug/L		95
76) p/m Xylene	8.656	106	104780	19.521	ug/L		94
77) o Xylene	8.942	106	102006	19.876	ug/L		89

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2020\200701N\
Data File : VE200701N01.D
Acq On : 1 Jul 2020 5:15 pm
Operator : ELAINE:TMS
Sample : WG1388497-2
Misc : WG1388497,ICAL16849
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 01 17:59:59 2020
Quant Method : I:\VOLATILES\Elaine\2020\200701N\Elaine_200602N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jun 03 14:54:28 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2020\200701N\VE200701N01.D
Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
78)	Styrene	8.981	104	169350	19.801	ug/L		86
80)	Bromoform	8.984	173	12011	7.119	ug/L		94
82)	Isopropylbenzene	9.151	105	132553	9.585	ug/L		96
84)	Bromobenzene	9.376	156	33138	9.841	ug/L		98
85)	n-Propylbenzene	9.410	91	153659	9.731	ug/L		94
86)	1,4-Dichlorobutane	9.421	55	39859	8.723	ug/L	#	89
87)	1,1,2,2-Tetrachloroethane	9.468	83	22664	8.071	ug/L		99
88)	4-Ethyltoluene	9.482	105	128486	9.512	ug/L		94
89)	2-Chlorotoluene	9.493	91	108227	9.660	ug/L		95
90)	1,3,5-Trimethylbenzene	9.535	105	108511	9.404	ug/L		90
91)	1,2,3-Trichloropropane	9.535	75	19237	8.161	ug/L		99
92)	trans-1,4-Dichloro-2-b...	9.568	53	5946	7.065	ug/L	#	92
93)	4-Chlorotoluene	9.596	91	97177	9.626	ug/L		95
94)	tert-Butylbenzene	9.721	119	92183	8.157	ug/L		97
97)	1,2,4-Trimethylbenzene	9.766	105	106893	9.403	ug/L		92
98)	sec-Butylbenzene	9.827	105	134427	9.629	ug/L		98
99)	p-Isopropyltoluene	9.916	119	112917	9.299	ug/L		95
100)	1,3-Dichlorobenzene	9.944	146	63182	10.090	ug/L		97
101)	1,4-Dichlorobenzene	9.997	146	60617	9.572	ug/L		97
102)	p-Diethylbenzene	10.125	119	64732	8.863	ug/L		95
103)	n-Butylbenzene	10.158	91	99668	9.399	ug/L		98
104)	1,2-Dichlorobenzene	10.239	146	57557	9.542	ug/L		98
105)	1,2,4,5-Tetramethylben...	10.581	119	100792	8.710	ug/L		97
106)	1,2-Dibromo-3-chloropr...	10.695	155	2829	6.224	ug/L		97
107)	1,3,5-Trichlorobenzene	10.709	180	43691	9.522	ug/L		92
108)	Hexachlorobutadiene	11.054	225	14906	8.988	ug/L		96
109)	1,2,4-Trichlorobenzene	11.068	180	36906	9.010	ug/L		97
110)	Naphthalene	11.252	128	69056	7.422	ug/L		100
111)	1,2,3-Trichlorobenzene	11.352	180	32717	8.778	ug/L		99

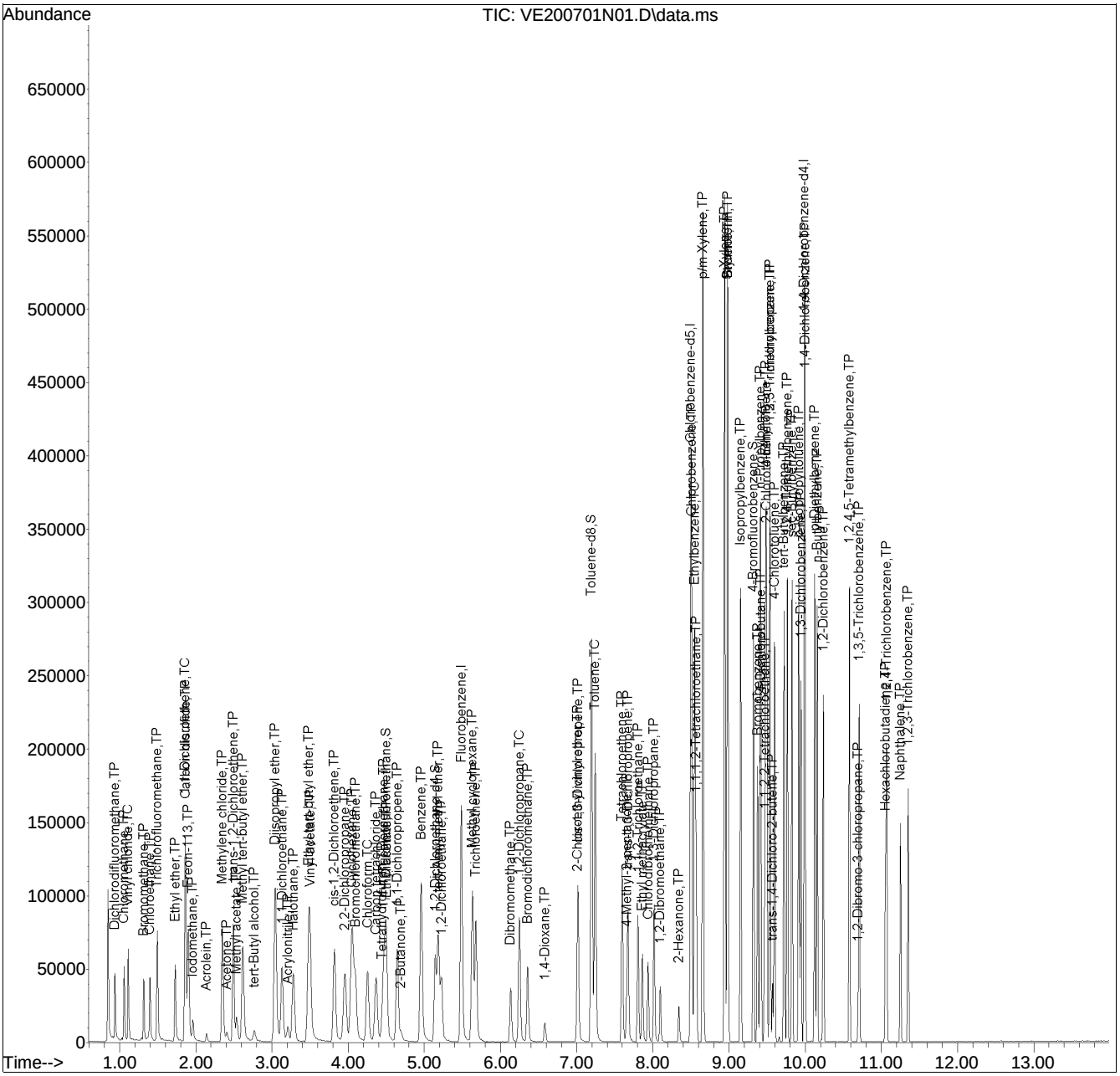
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2020\200701N\
Data File : VE200701N01.D
Acq On : 1 Jul 2020 5:15 pm
Operator : ELAINE:TMS
Sample : WG1388497-2
Misc : WG1388497,ICAL16849
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 01 17:59:59 2020
Quant Method : I:\VOLATILES\Elaine\2020\200701N\Elaine_200602N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jun 03 14:54:28 2020
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox00701N\VE200701N01.D•

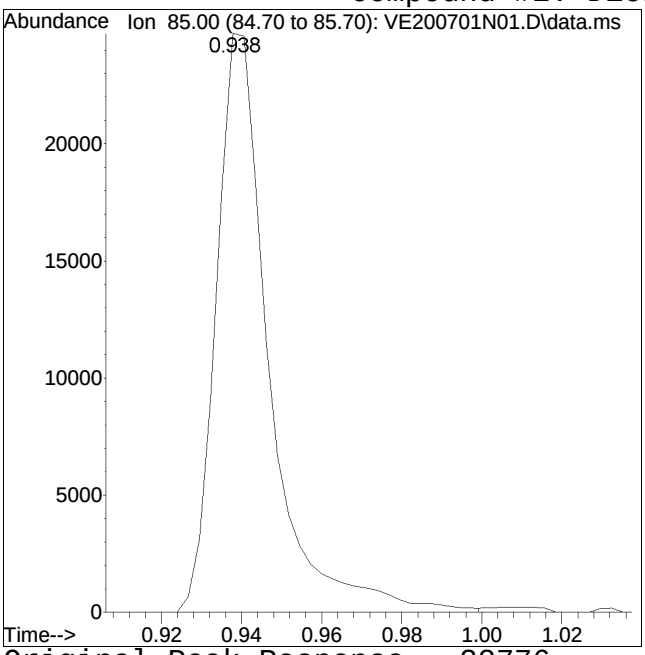


Manual Integration Report

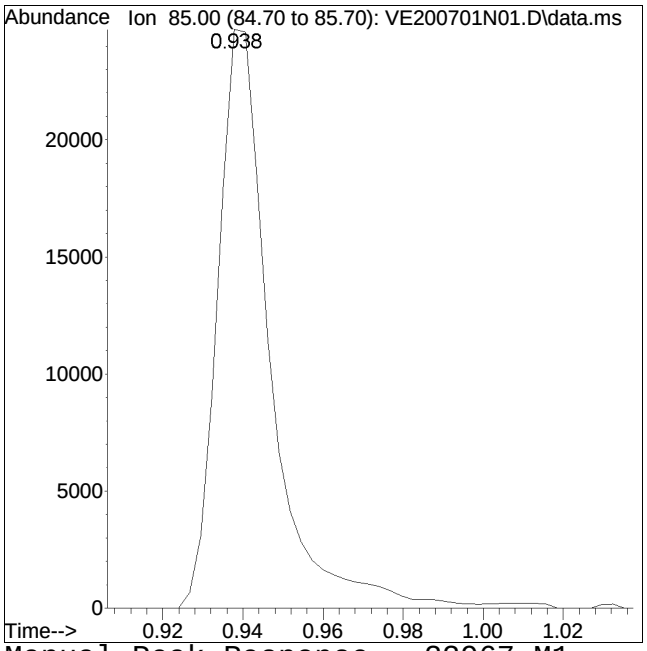
Data Path : I:\VOLATILES\Elaine\2020\2Q
Data File : VE200701N01.D
Date Inj'd : 7/1/2020 5:15 pm
Sample : WG1388497-2

Method : Elaine_200602N_8260.m
Operator : ELAINE:TMS
Instrument : Elaine
Quant Date : 7/1/2020 5:56 pm

Compound #2: Dichlorodifluoromethane



Original Peak Response = 22776



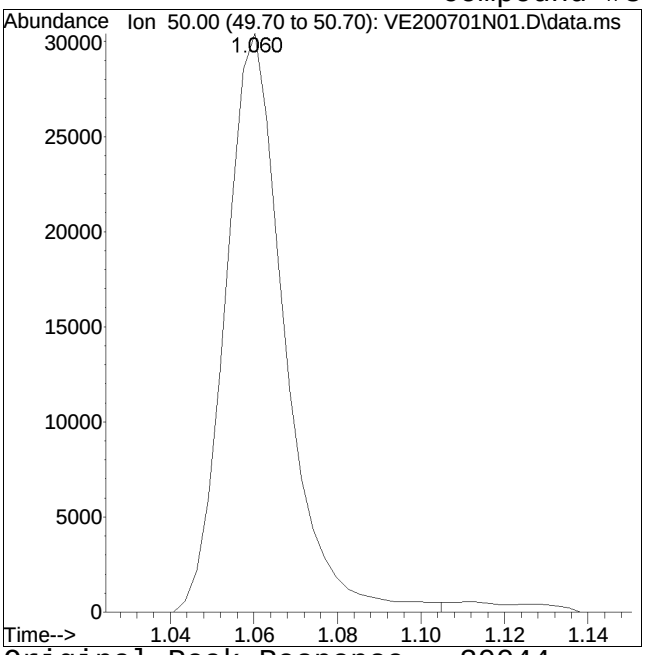
Manual Peak Response = 22967 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

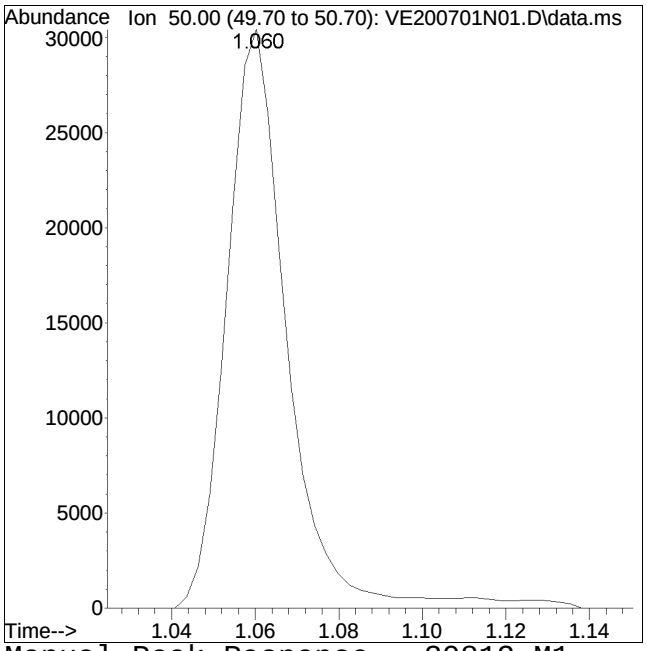
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200602N_8260.m
Data File : VE200701N01.D Operator : ELAINE:TMS
Date Inj'd : 7/1/2020 5:15 pm Instrument : Elaine
Sample : WG1388497-2 Quant Date : 7/1/2020 5:56 pm

Compound #3: Chloromethane



Original Peak Response = 30044



Manual Peak Response = 30812 M1

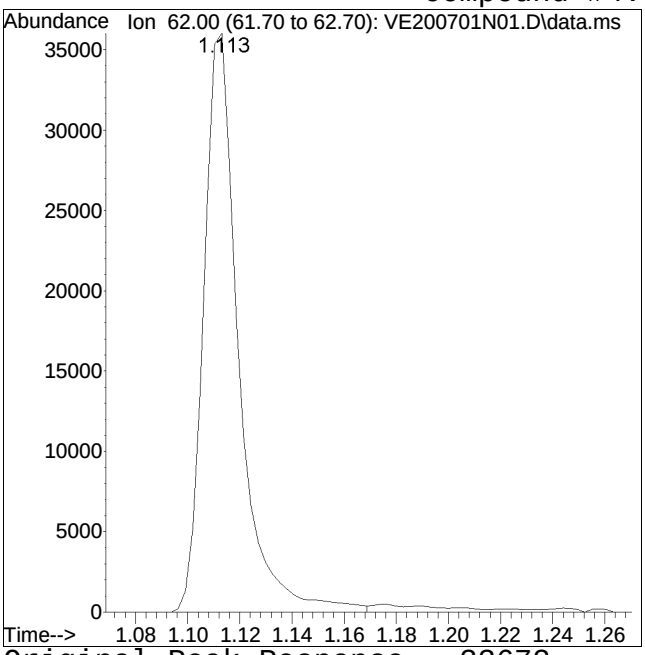
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

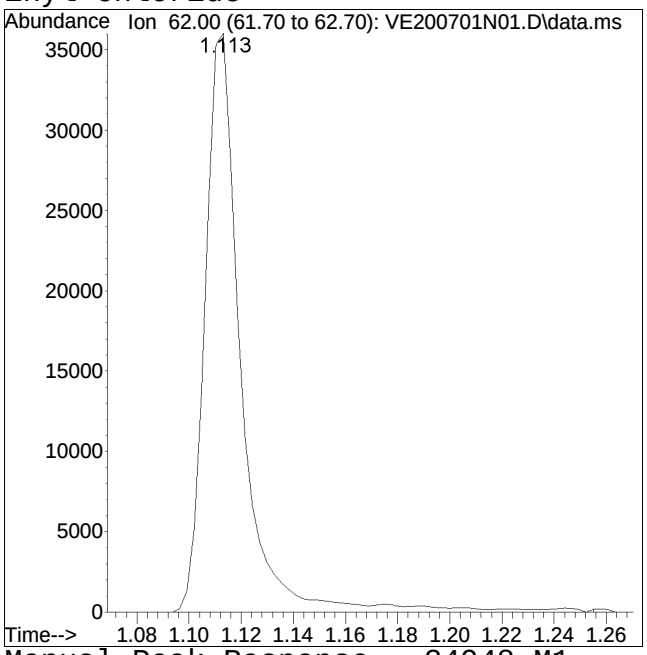
Data Path : I:\VOLATILES\Elaine\2020\2Q
Data File : VE200701N01.D
Date Inj'd : 7/1/2020 5:15 pm
Sample : WG1388497-2

Method : Elaine_200602N_8260.m
Operator : ELAINE:TMS
Instrument : Elaine
Quant Date : 7/1/2020 5:56 pm

Compound #4: Vinyl chloride



Original Peak Response = 33672



Manual Peak Response = 34948 M1

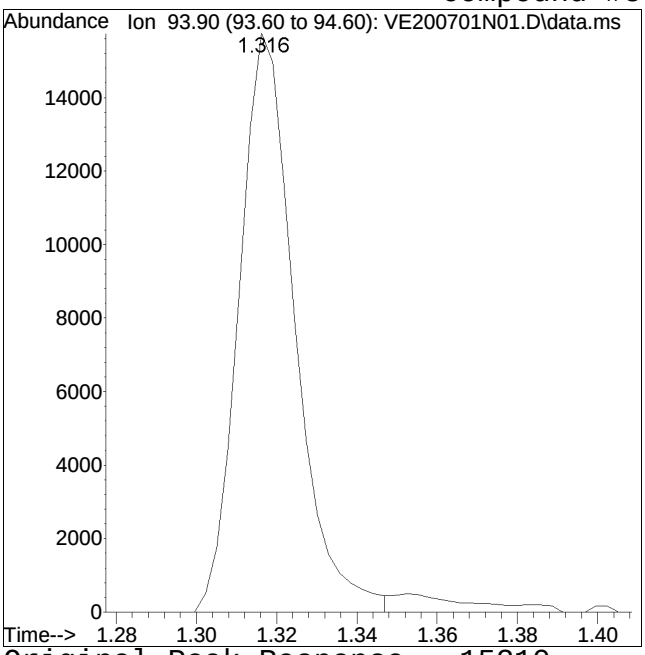
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

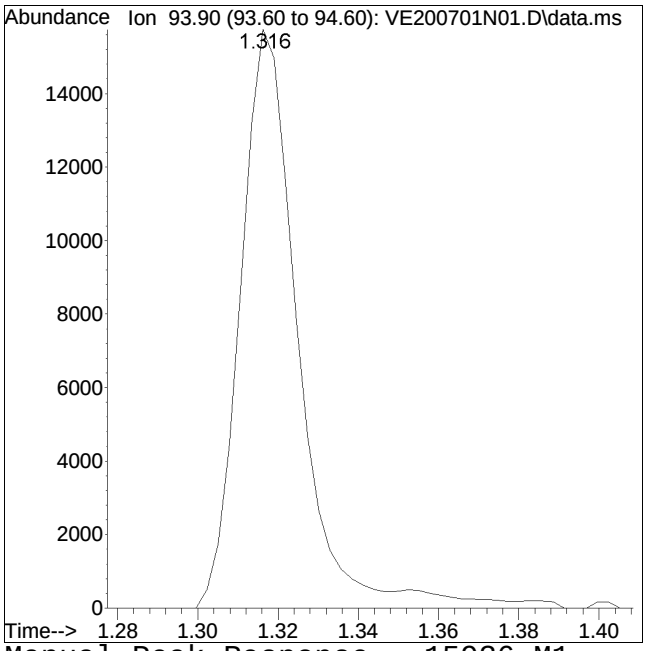
Data Path : I:\VOLATILES\Elaine\2020\2Q
Data File : VE200701N01.D
Date Inj'd : 7/1/2020 5:15 pm
Sample : WG1388497-2

Method : Elaine_200602N_8260.m
Operator : ELAINE:TMS
Instrument : Elaine
Quant Date : 7/1/2020 5:56 pm

Compound #5: Bromomethane



Original Peak Response = 15210



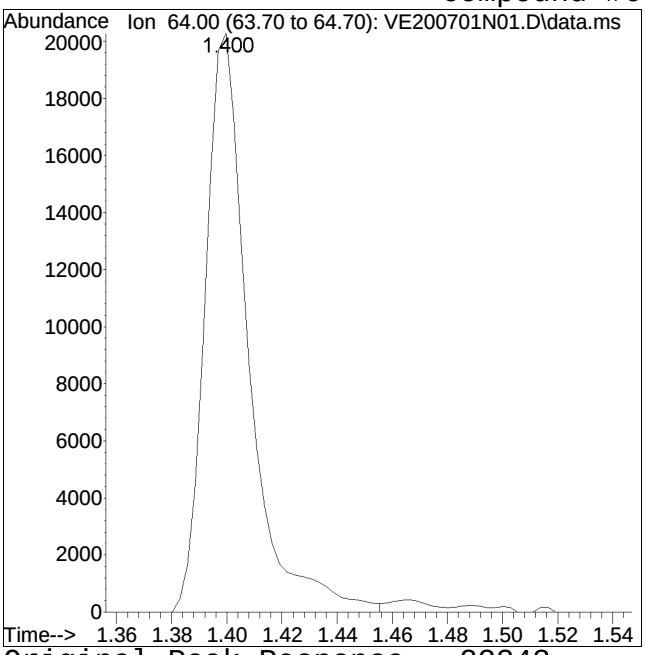
Manual Peak Response = 15936 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

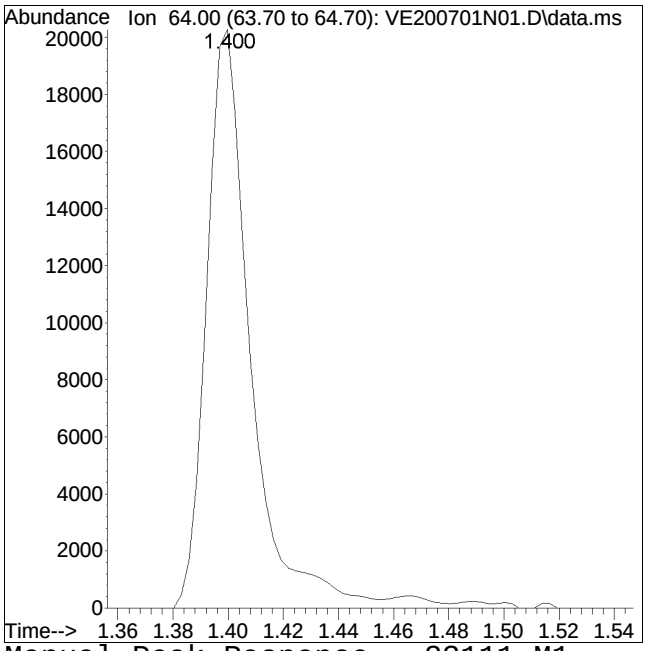
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200602N_8260.m
Data File : VE200701N01.D Operator : ELAINE:TMS
Date Inj'd : 7/1/2020 5:15 pm Instrument : Elaine
Sample : WG1388497-2 Quant Date : 7/1/2020 5:56 pm

Compound #6: Chloroethane



Original Peak Response = 22343



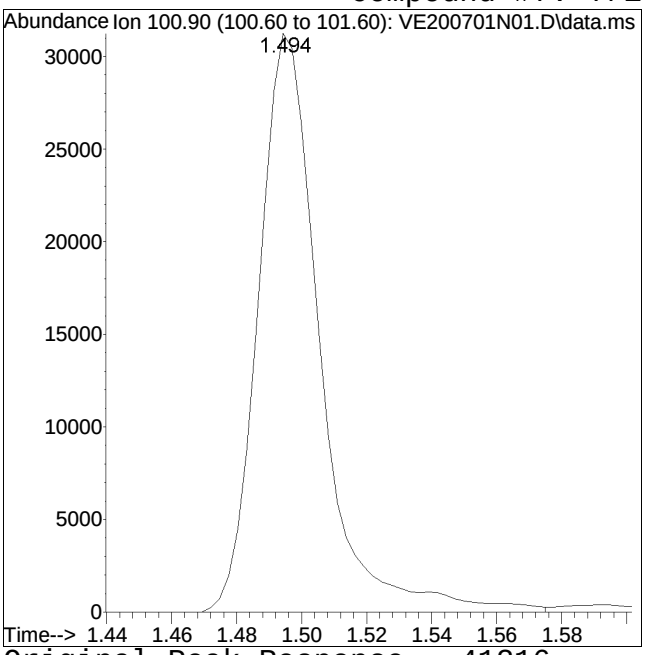
Manual Peak Response = 23111 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

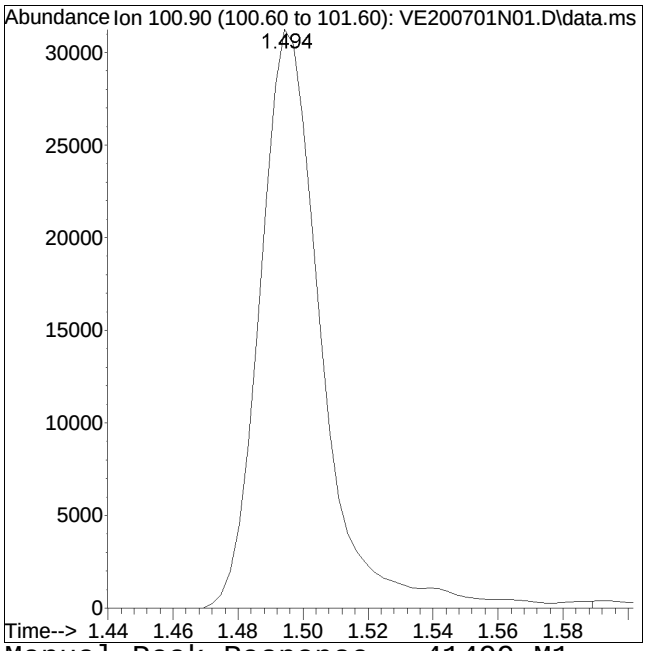
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200602N_8260.m
Data File : VE200701N01.D Operator : ELAINE:TMS
Date Inj'd : 7/1/2020 5:15 pm Instrument : Elaine
Sample : WG1388497-2 Quant Date : 7/1/2020 5:56 pm

Compound #7: Trichlorofluoromethane



Original Peak Response = 41216



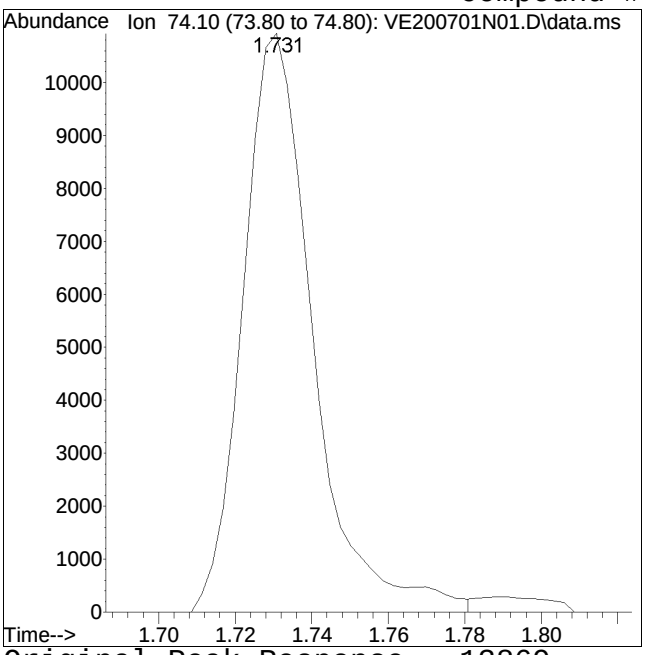
Manual Peak Response = 41499 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

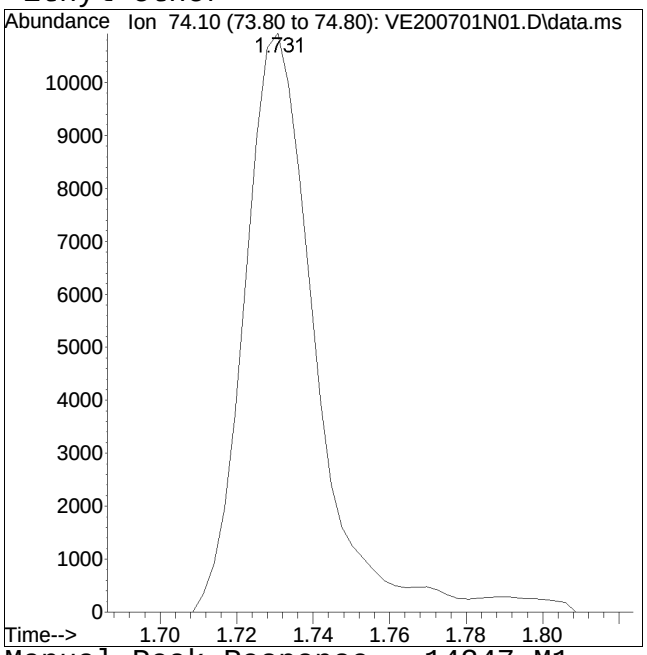
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200602N_8260.m
Data File : VE200701N01.D Operator : ELAINE:TMS
Date Inj'd : 7/1/2020 5:15 pm Instrument : Elaine
Sample : WG1388497-2 Quant Date : 7/1/2020 5:56 pm

Compound #8: Ethyl ether



Original Peak Response = 13869



Manual Peak Response = 14247 M1

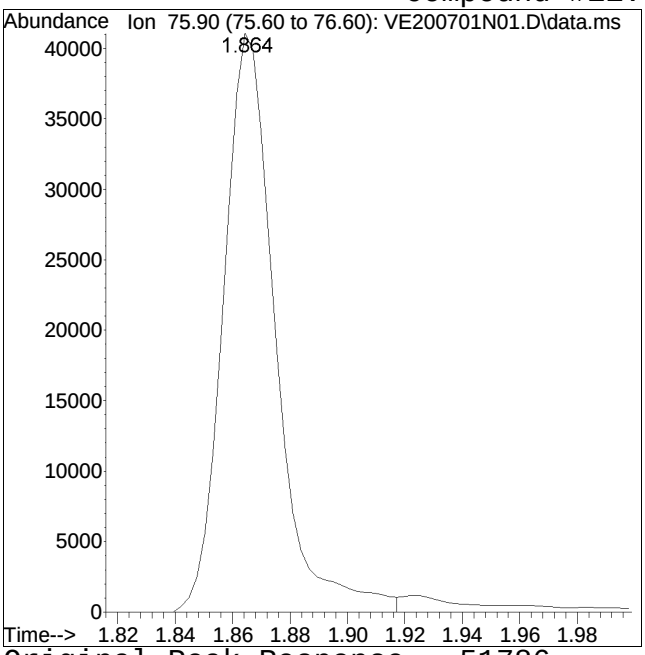
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

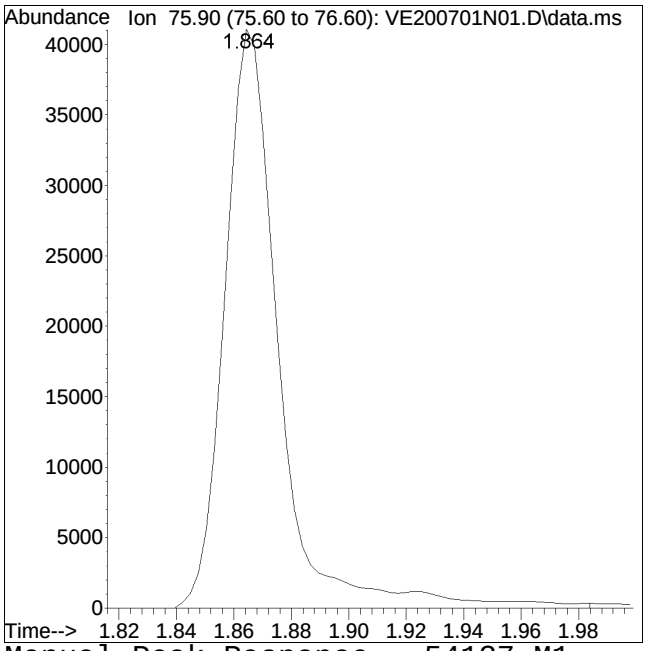
Data Path : I:\VOLATILES\Elaine\2020\2Q
Data File : VE200701N01.D
Date Inj'd : 7/1/2020 5:15 pm
Sample : WG1388497-2

Method : Elaine_200602N_8260.m
Operator : ELAINE:TMS
Instrument : Elaine
Quant Date : 7/1/2020 5:56 pm

Compound #11: Carbon disulfide



Original Peak Response = 51786



Manual Peak Response = 54137 M1

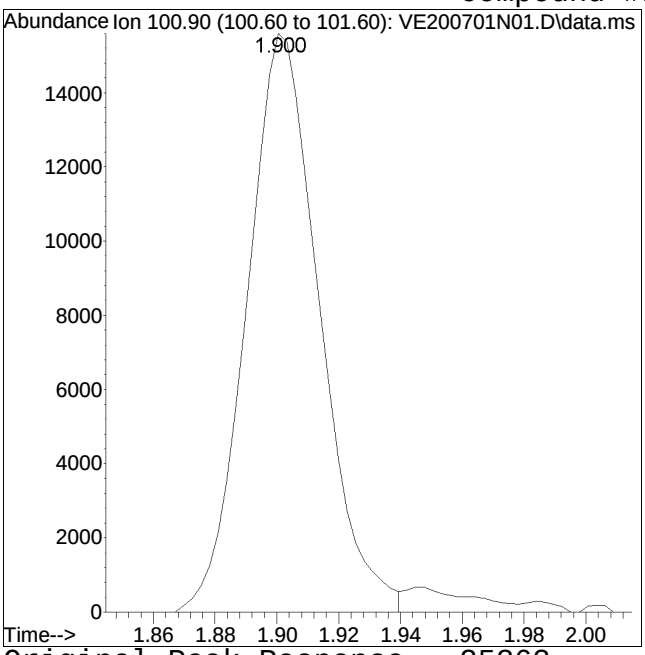
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

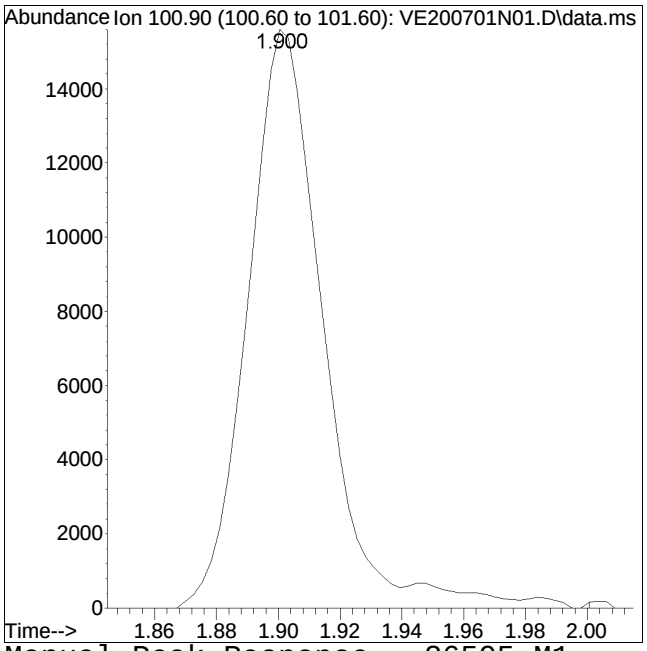
Data Path : I:\VOLATILES\Elaine\2020\2Q
Data File : VE200701N01.D
Date Inj'd : 7/1/2020 5:15 pm
Sample : WG1388497-2

Method : Elaine_200602N_8260.m
Operator : ELAINE:TMS
Instrument : Elaine
Quant Date : 7/1/2020 5:56 pm

Compound #12: Freon-113



Original Peak Response = 25362



Manual Peak Response = 26595 M1

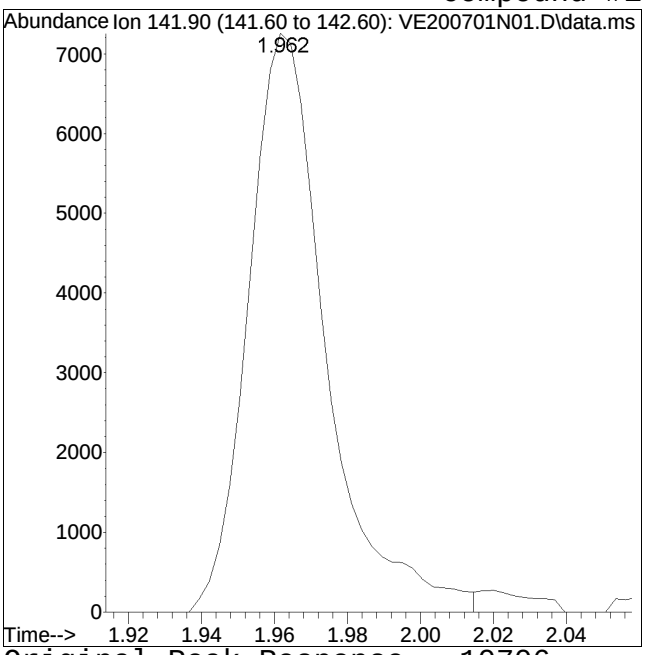
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

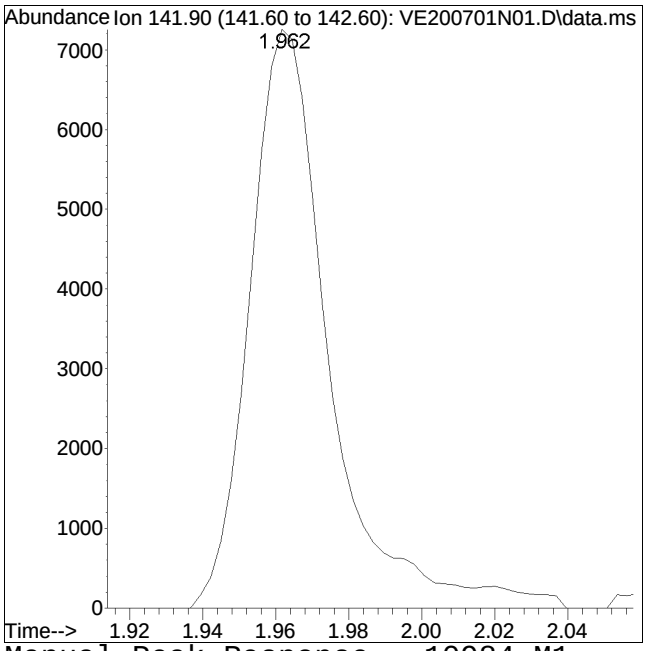
Data Path : I:\VOLATILES\Elaine\2020\2Q
Data File : VE200701N01.D
Date Inj'd : 7/1/2020 5:15 pm
Sample : WG1388497-2

Method : Elaine_200602N_8260.m
Operator : ELAINE:TMS
Instrument : Elaine
Quant Date : 7/1/2020 5:56 pm

Compound #13: Iodomethane



Original Peak Response = 10706



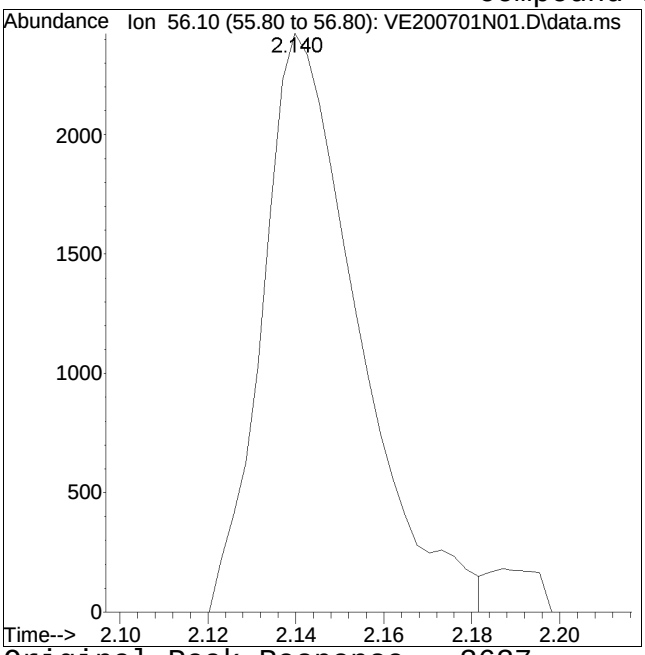
Manual Peak Response = 10984 M1

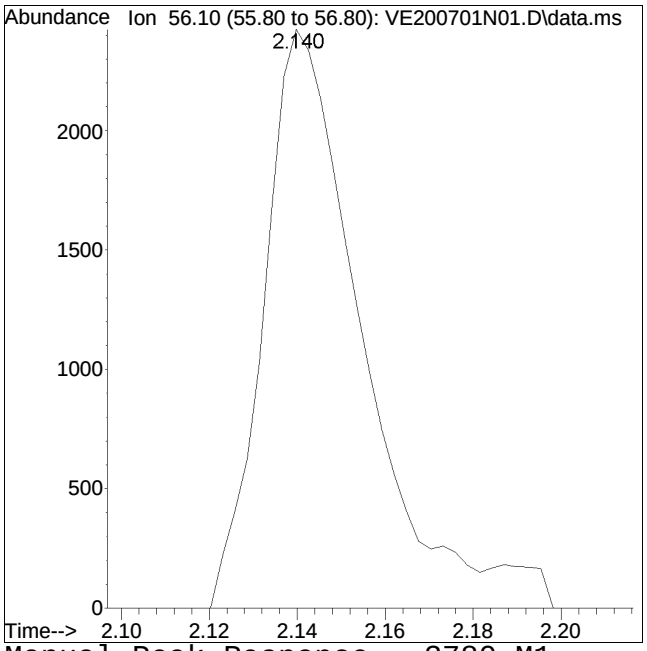
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200602N_8260.m
Data File : VE200701N01.D Operator : ELAINE:TMS
Date Inj'd : 7/1/2020 5:15 pm Instrument : Elaine
Sample : WG1388497-2 Quant Date : 7/1/2020 5:56 pm

Compound #14: Acrolein



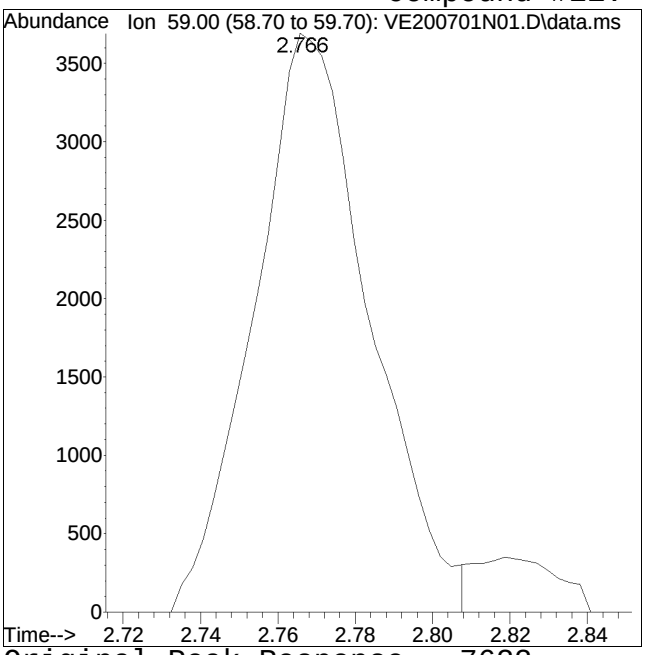


Original Peak Response = 3637 Manual Peak Response = 3780 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

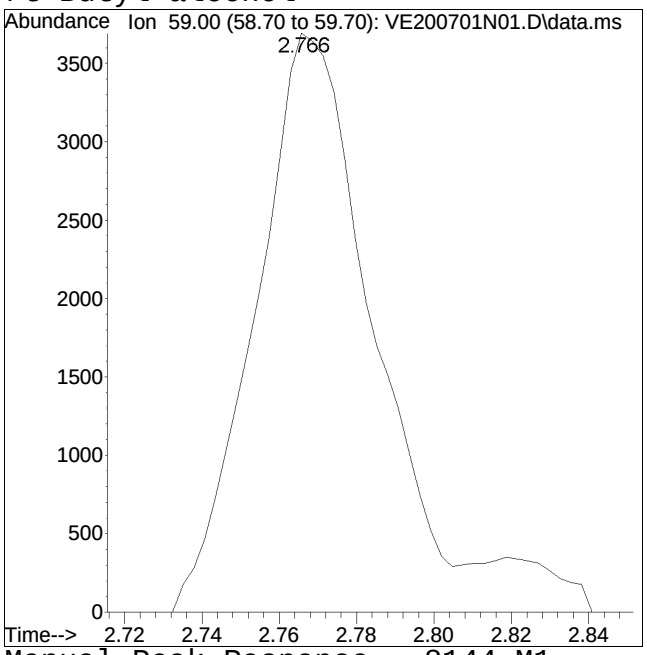
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200602N_8260.m
Data File : VE200701N01.D Operator : ELAINE:TMS
Date Inj'd : 7/1/2020 5:15 pm Instrument : Elaine
Sample : WG1388497-2 Quant Date : 7/1/2020 5:56 pm

Compound #21: tert-Butyl alcohol



Original Peak Response = 7622



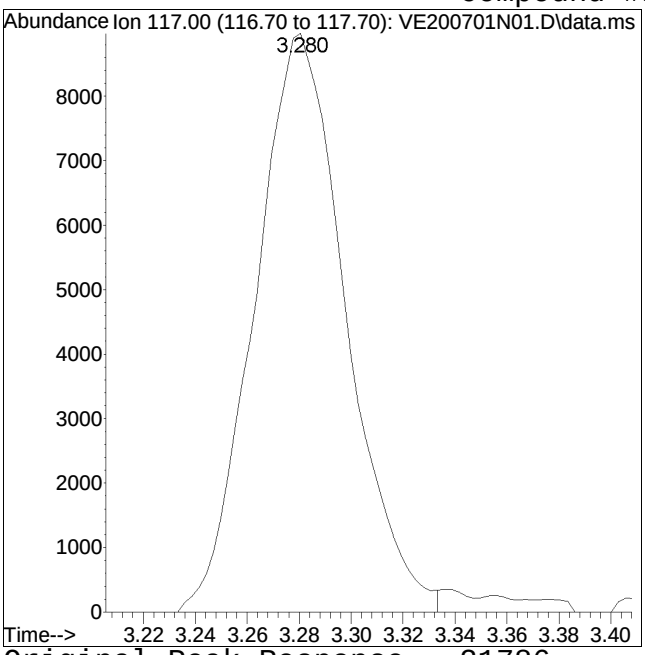
Manual Peak Response = 8144 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

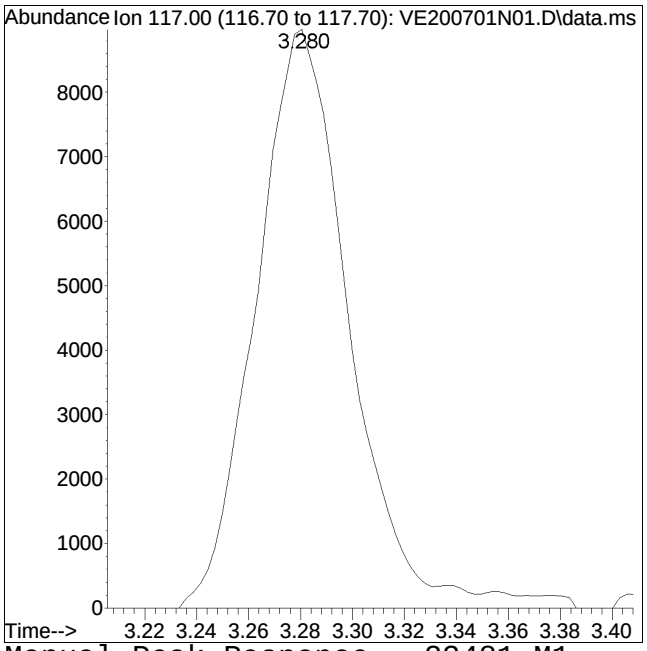
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200602N_8260.m
Data File : VE200701N01.D Operator : ELAINE:TMS
Date Inj'd : 7/1/2020 5:15 pm Instrument : Elaine
Sample : WG1388497-2 Quant Date : 7/1/2020 5:56 pm

Compound #24: Halothane



Original Peak Response = 21786



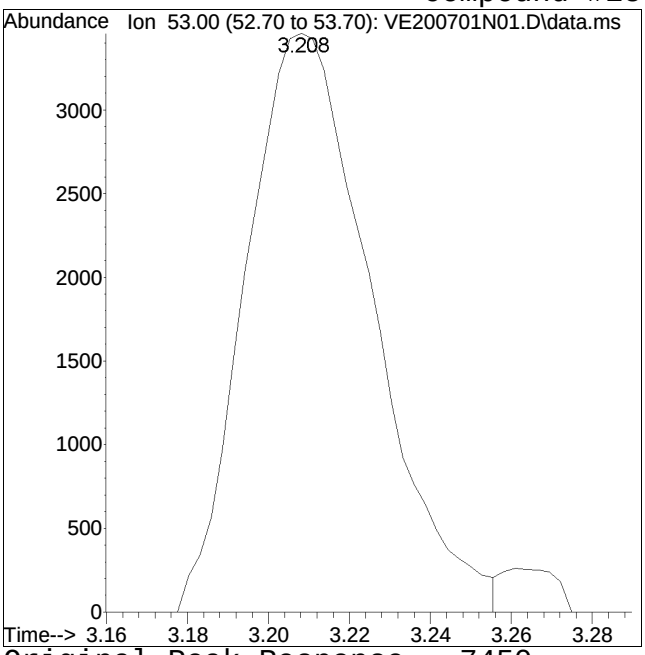
Manual Peak Response = 22481 M1

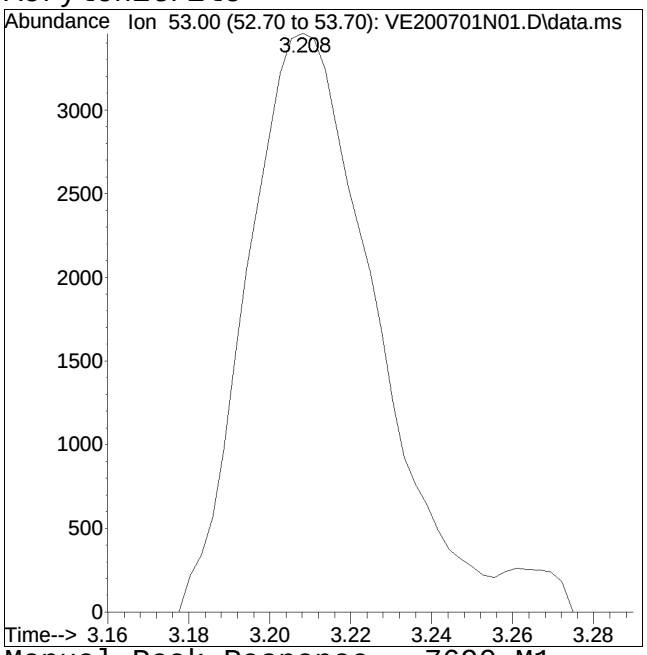
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200602N_8260.m
Data File : VE200701N01.D Operator : ELAINE:TMS
Date Inj'd : 7/1/2020 5:15 pm Instrument : Elaine
Sample : WG1388497-2 Quant Date : 7/1/2020 5:56 pm

Compound #25: Acrylonitrile



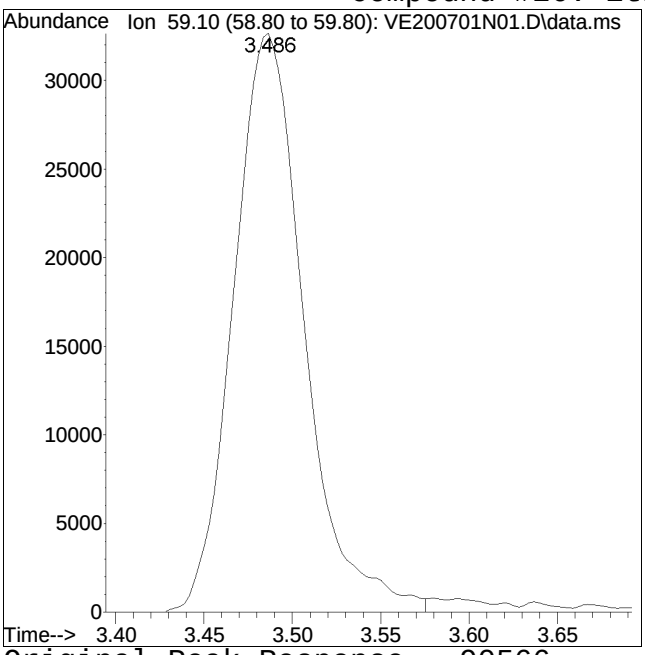


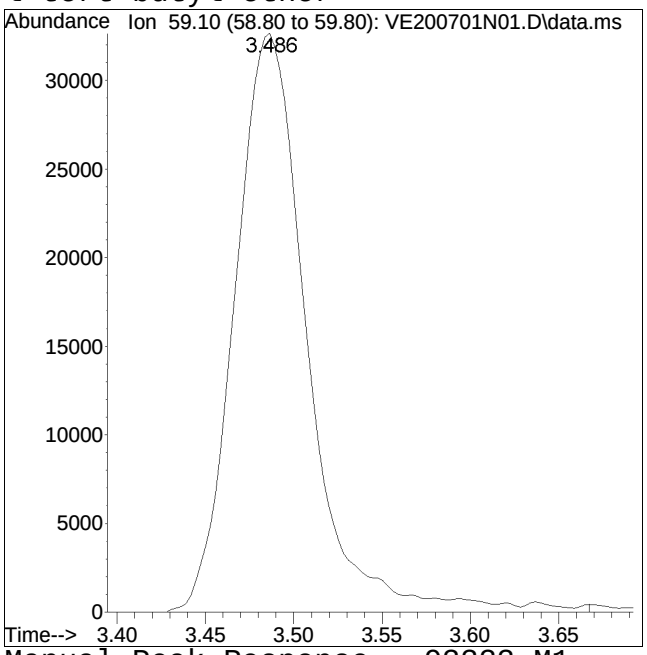
Original Peak Response = 7450 Manual Peak Response = 7690 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200602N_8260.m
Data File : VE200701N01.D Operator : ELAINE:TMS
Date Inj'd : 7/1/2020 5:15 pm Instrument : Elaine
Sample : WG1388497-2 Quant Date : 7/1/2020 5:56 pm

Compound #26: Ethyl tert-butyl ether



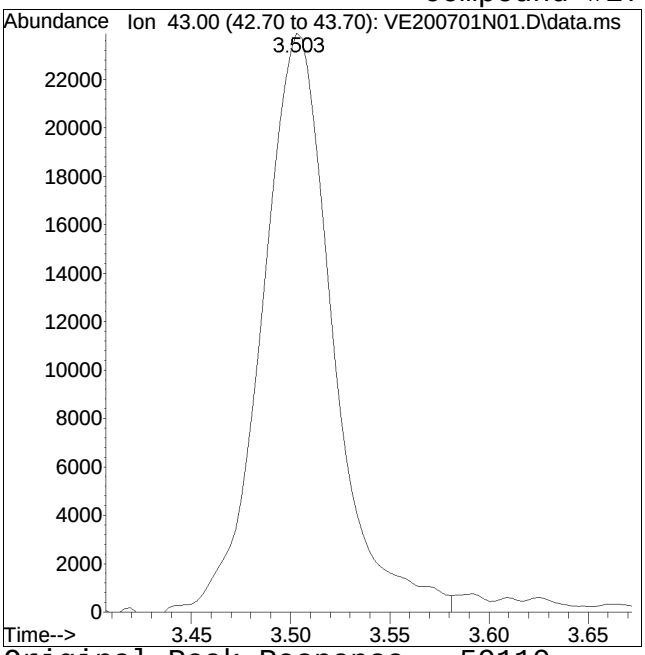


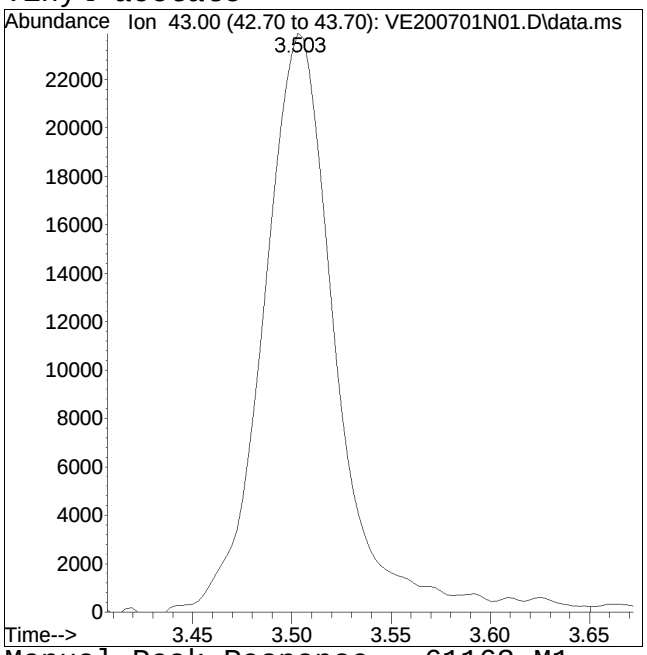
Original Peak Response = 90566 Manual Peak Response = 93333 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200602N_8260.m
Data File : VE200701N01.D Operator : ELAINE:TMS
Date Inj'd : 7/1/2020 5:15 pm Instrument : Elaine
Sample : WG1388497-2 Quant Date : 7/1/2020 5:56 pm

Compound #27: Vinyl acetate



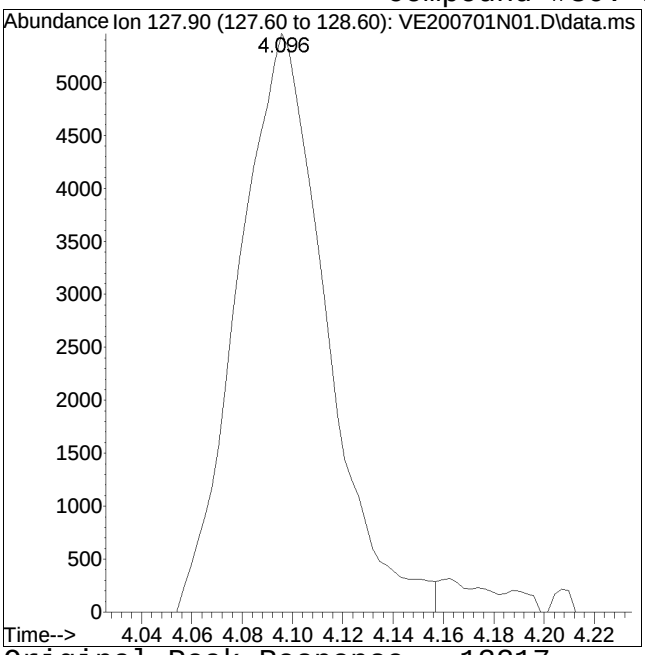


Original Peak Response = 59110 Manual Peak Response = 61163 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

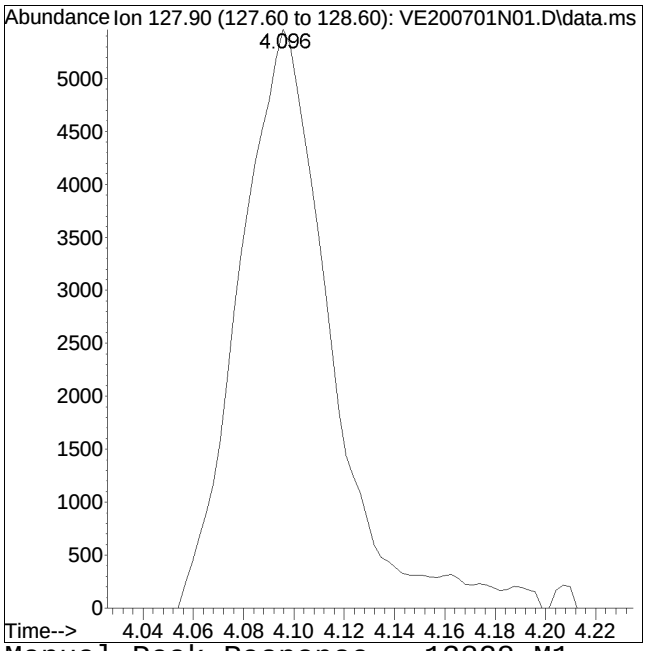
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200602N_8260.m
Data File : VE200701N01.D Operator : ELAINE:TMS
Date Inj'd : 7/1/2020 5:15 pm Instrument : Elaine
Sample : WG1388497-2 Quant Date : 7/1/2020 5:56 pm

Compound #30: Bromochloromethane



Original Peak Response = 13217



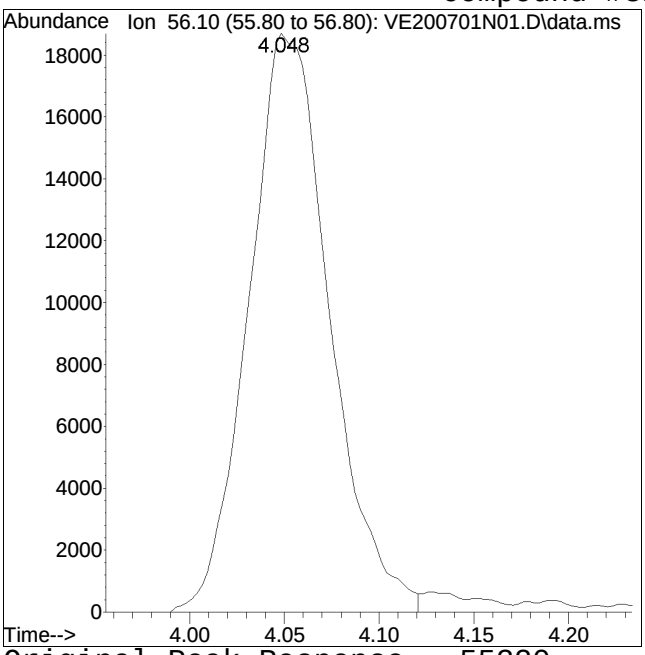
Manual Peak Response = 13828 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

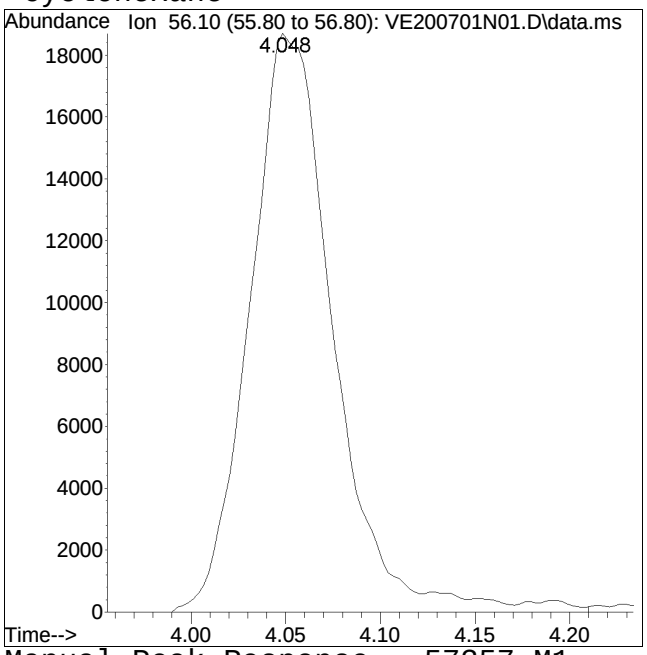
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200602N_8260.m
Data File : VE200701N01.D Operator : ELAINE:TMS
Date Inj'd : 7/1/2020 5:15 pm Instrument : Elaine
Sample : WG1388497-2 Quant Date : 7/1/2020 5:56 pm

Compound #31: Cyclohexane



Original Peak Response = 55320



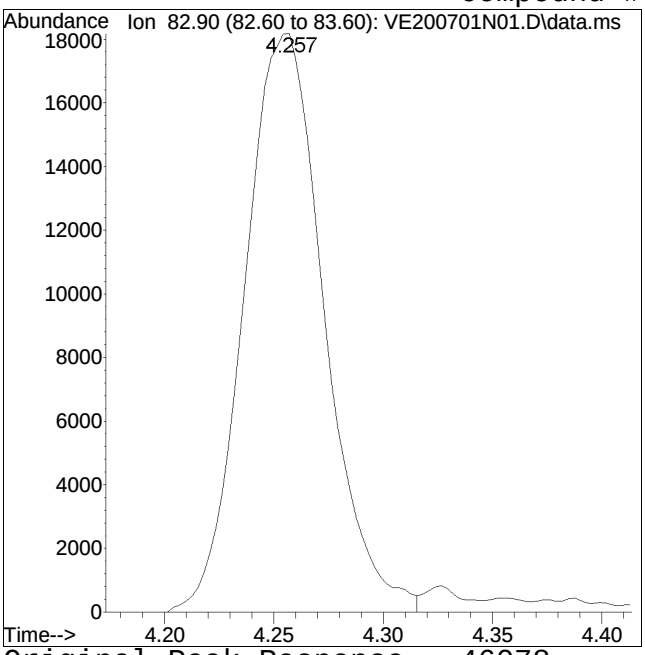
Manual Peak Response = 57357 M1

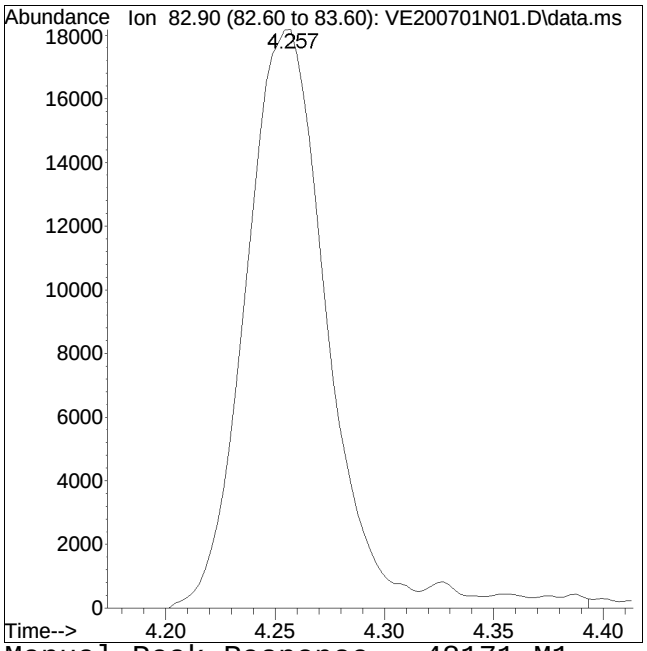
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200602N_8260.m
Data File : VE200701N01.D Operator : ELAINE:TMS
Date Inj'd : 7/1/2020 5:15 pm Instrument : Elaine
Sample : WG1388497-2 Quant Date : 7/1/2020 5:56 pm

Compound #32: Chloroform



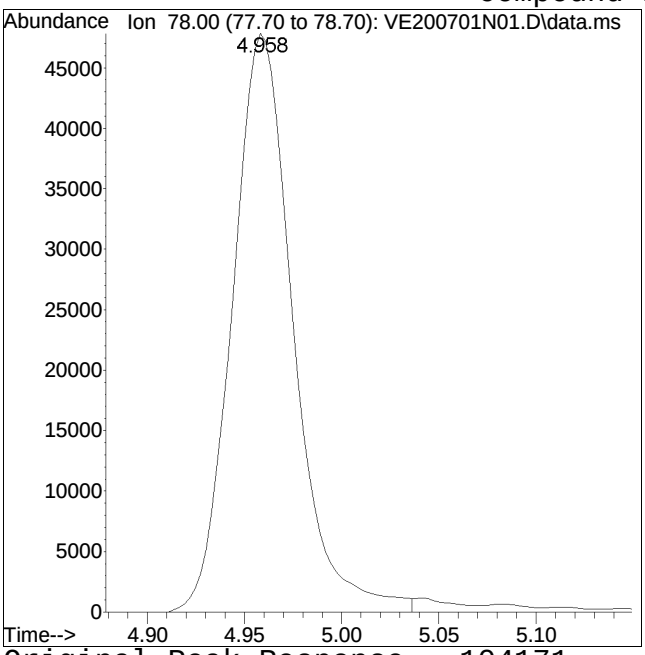


Original Peak Response = 46078 Manual Peak Response = 48171 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

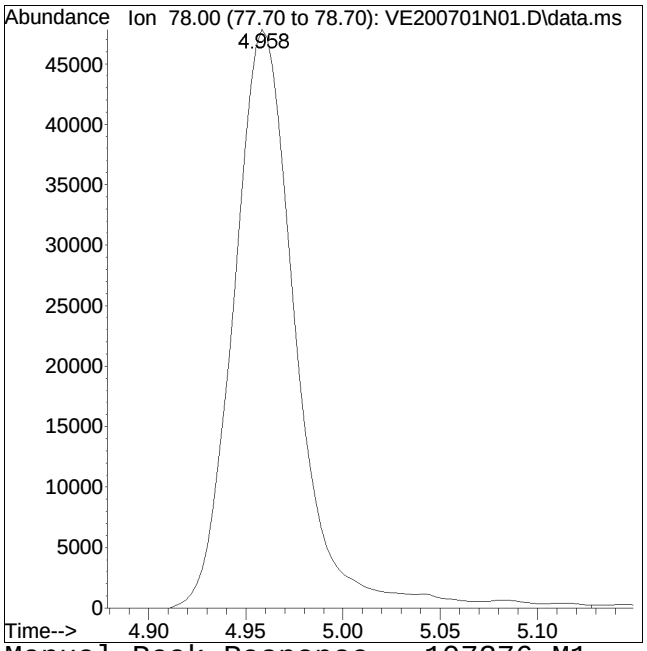
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200602N_8260.m
Data File : VE200701N01.D Operator : ELAINE:TMS
Date Inj'd : 7/1/2020 5:15 pm Instrument : Elaine
Sample : WG1388497-2 Quant Date : 7/1/2020 5:56 pm

Compound #41: Benzene



Original Peak Response = 104171



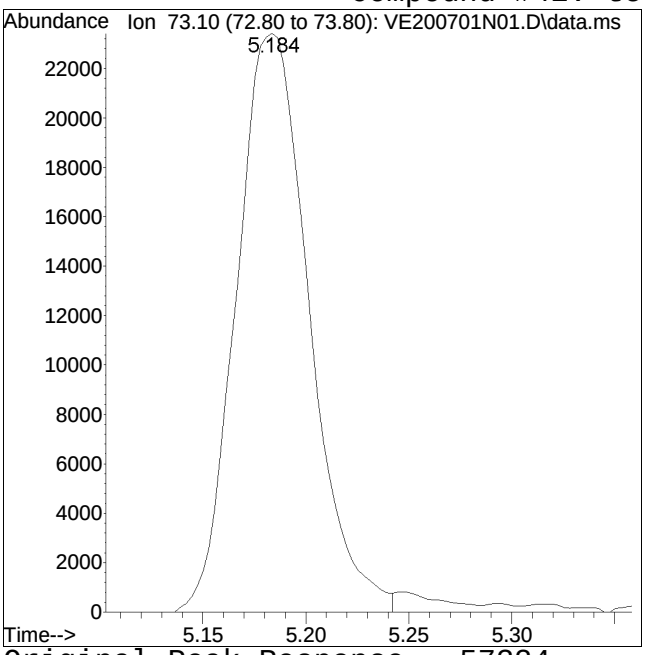
Manual Peak Response = 107376 M1

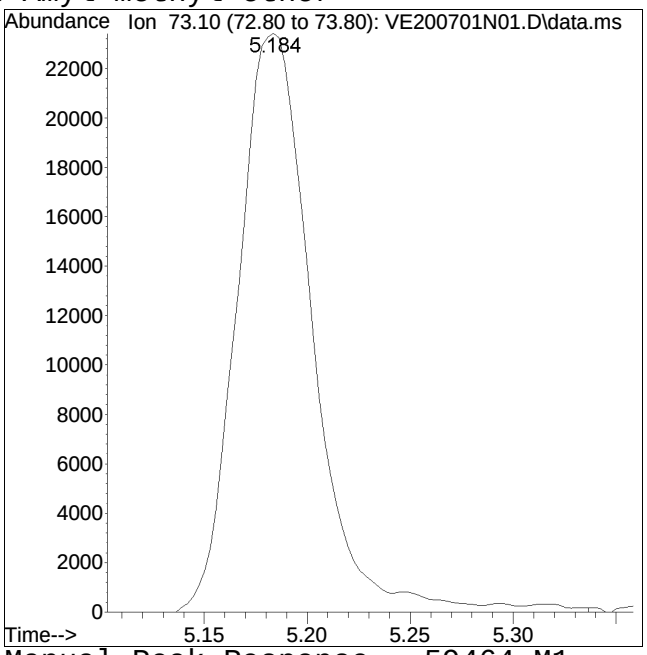
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200602N_8260.m
Data File : VE200701N01.D Operator : ELAINE:TMS
Date Inj'd : 7/1/2020 5:15 pm Instrument : Elaine
Sample : WG1388497-2 Quant Date : 7/1/2020 5:56 pm

Compound #42: tert-Amyl methyl ether



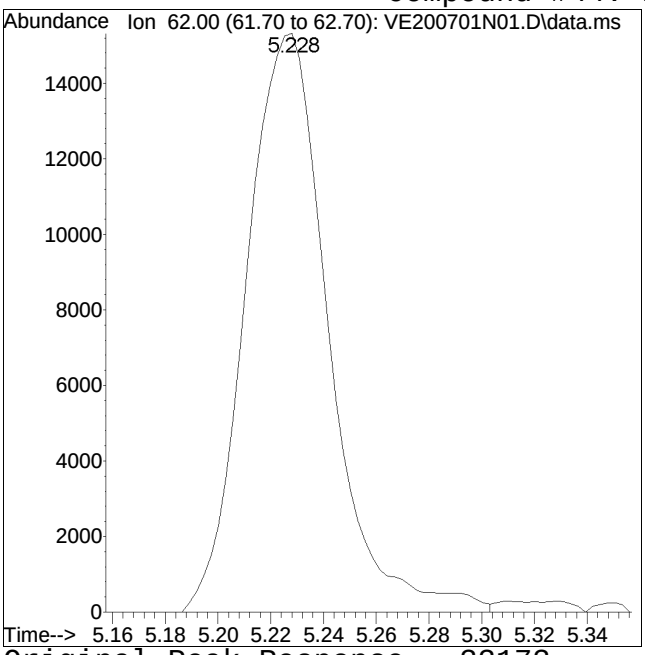


Original Peak Response = 57324 Manual Peak Response = 59464 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

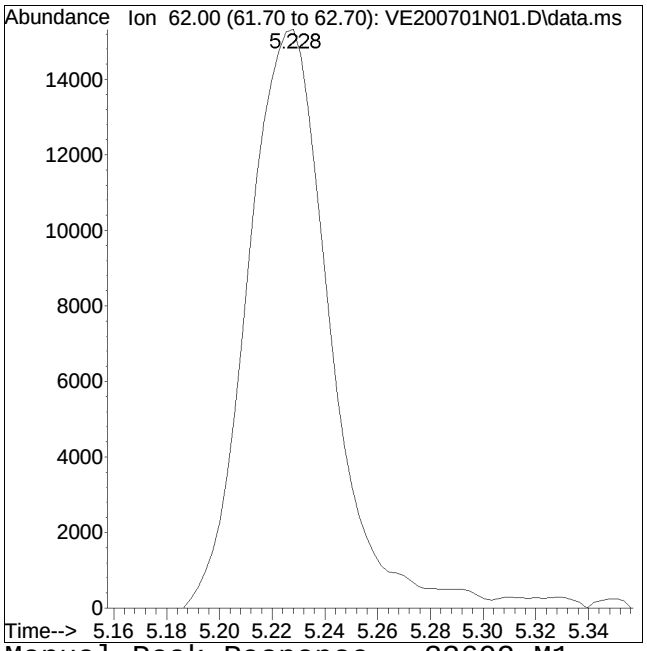
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200602N_8260.m
Data File : VE200701N01.D Operator : ELAINE:TMS
Date Inj'd : 7/1/2020 5:15 pm Instrument : Elaine
Sample : WG1388497-2 Quant Date : 7/1/2020 5:56 pm

Compound #44: 1,2-Dichloroethane



Original Peak Response = 33173



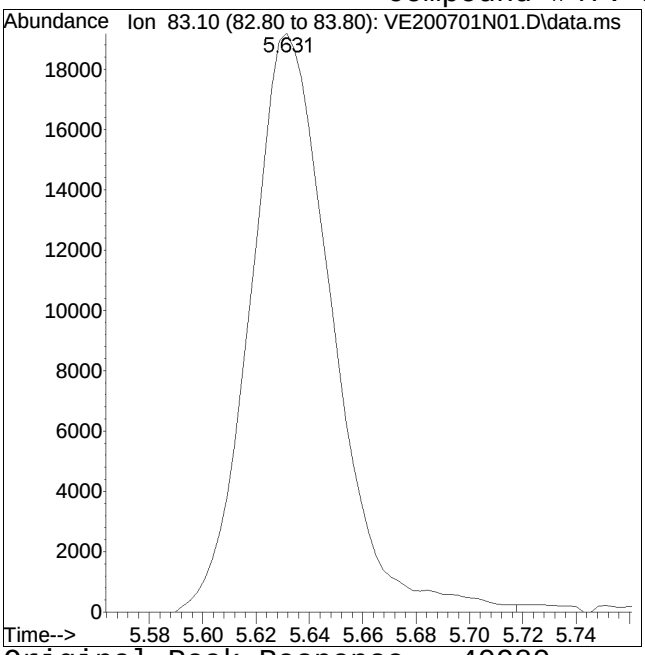
Manual Peak Response = 33692 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

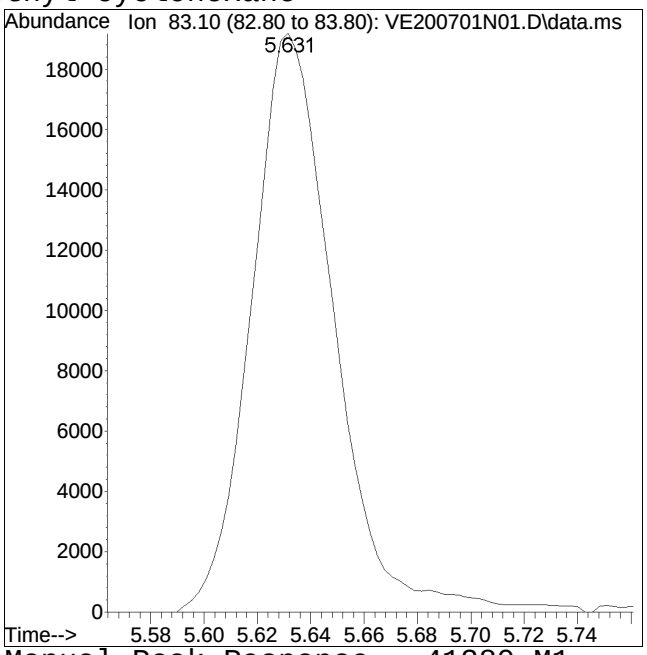
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200602N_8260.m
Data File : VE200701N01.D Operator : ELAINE:TMS
Date Inj'd : 7/1/2020 5:15 pm Instrument : Elaine
Sample : WG1388497-2 Quant Date : 7/1/2020 5:56 pm

Compound #47: Methyl cyclohexane



Original Peak Response = 40980



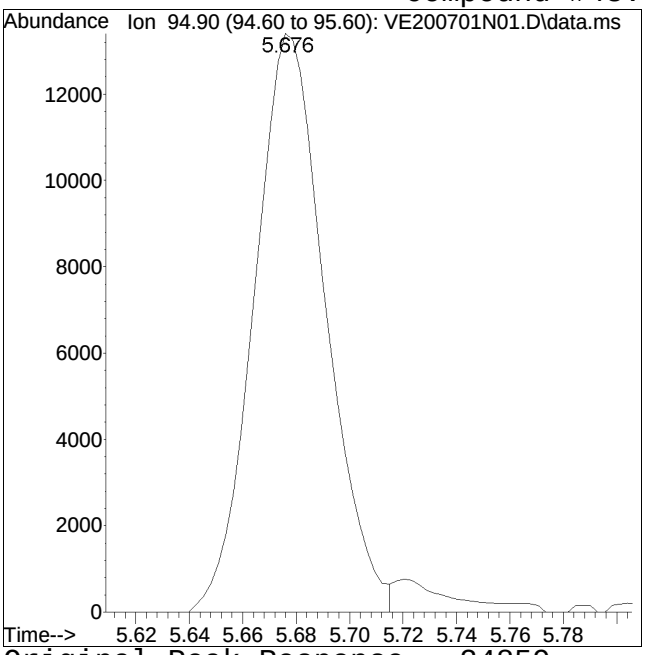
Manual Peak Response = 41280 M1

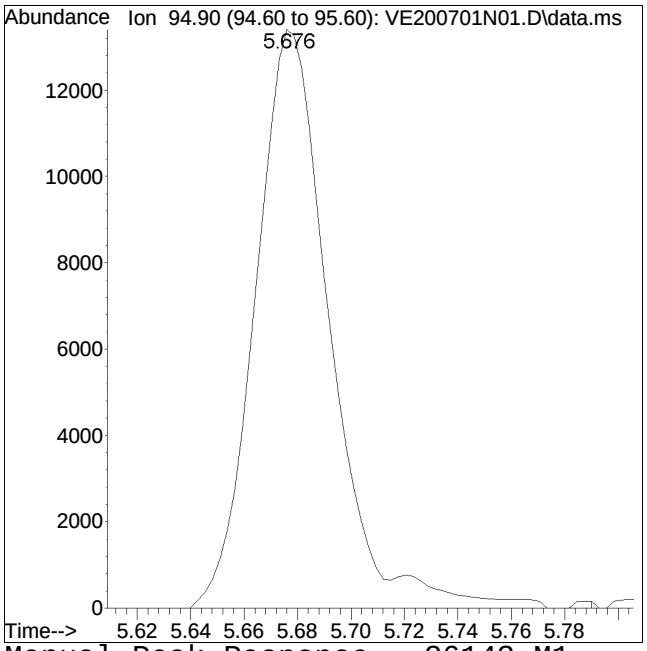
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200602N_8260.m
Data File : VE200701N01.D Operator : ELAINE:TMS
Date Inj'd : 7/1/2020 5:15 pm Instrument : Elaine
Sample : WG1388497-2 Quant Date : 7/1/2020 5:56 pm

Compound #48: Trichloroethene





Original Peak Response = 24859 Manual Peak Response = 26143 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA108\2020\200702A\
Data File : V08200702A01.D
Acq On : 2 Jul 2020 6:58 am
Operator : VOA108:PD
Sample : WG1388512-2
Misc : WG1388512,ICAL16918
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 02 07:38:08 2020
Quant Method : I:\VOLATILES\VOA108\2020\200702A\V108_200623N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jun 24 10:26:22 2020
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	95	-0.01
2	TP	Dichlorodifluoromethane	0.249	0.163	34.5#	61	0.00
3	TP	Chloromethane	0.341	0.268	21.4#	69	0.00
4	TC	Vinyl chloride	0.304	0.271	10.9	79	0.00
5	TP	Bromomethane	0.167	0.124	25.7#	75	0.00
6	TP	Chloroethane	0.160	0.163	-1.9	86	0.00
7	TP	Trichlorofluoromethane	0.355	0.341	3.9	89	0.00
8	TP	Ethyl ether	0.130	0.123	5.4	87	0.00
10	TC	1,1-Dichloroethene	0.229	0.216	5.7	90	0.00
11	TP	Carbon disulfide	0.641	0.582	9.2	83	0.00
12	TP	Freon-113	0.224	0.222	0.9	87	0.00
13	TP	Iodomethane	0.332	0.053	84.0#	16#	0.00
14	TP	Acrolein	0.042	0.036#	14.3	85	0.00
15	TP	Methylene chloride	0.284	0.255	10.2	90	0.00
17	TP	Acetone	0.076	0.067#	11.8	81	0.00
18	TP	trans-1,2-Dichloroethene	0.264	0.238	9.8	86	0.00
19	TP	Methyl acetate	0.208	0.166	20.2#	75	0.00
20	TP	Methyl tert-butyl ether	0.701	0.599	14.6	77	0.00
21	TP	tert-Butyl alcohol	0.032	0.025#	21.9#	70	0.00
22	TP	Diisopropyl ether	1.164	1.056	9.3	85	0.00
23	TP	1,1-Dichloroethane	0.499	0.493	1.2	93	0.00
24	TP	Halothane	0.205	0.189	7.8	88	-0.01
25	TP	Acrylonitrile	0.103	0.085	17.5	75	0.00
26	TP	Ethyl tert-butyl ether	1.002	0.877	12.5	82	-0.01
27	TP	Vinyl acetate	0.702	0.667	5.0	89	0.00
28	TP	cis-1,2-Dichloroethene	0.294	0.266	9.5	84	-0.01
29	TP	2,2-Dichloropropane	0.379	0.363	4.2	89	-0.02
30	TP	Bromochloromethane	0.136	0.130	4.4	86	-0.01
31	TP	Cyclohexane	0.527	0.482	8.5	85	-0.01
32	TC	Chloroform	0.496	0.444	10.5	85	-0.01
33	TP	Ethyl acetate	0.285	0.251	11.9	78	0.00
34	TP	Carbon tetrachloride	0.345	0.319	7.5	84	-0.01
35	TP	Tetrahydrofuran	0.079	0.084	-6.3	88	-0.01
36	S	Dibromofluoromethane	0.269	0.252	6.3	90	0.00
37	TP	1,1,1-Trichloroethane	0.435	0.393	9.7	82	-0.01
39	TP	2-Butanone	0.124	0.109	12.1	84	-0.01
40	TP	1,1-Dichloropropene	0.334	0.303	9.3	85	0.00
41	TP	Benzene	1.024	0.923	9.9	86	0.00
42	TP	tert-Amyl methyl ether	0.800	0.656	18.0	76	-0.01

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA108\2020\200702A\
Data File : V08200702A01.D
Acq On : 2 Jul 2020 6:58 am
Operator : VOA108:PD
Sample : WG1388512-2
Misc : WG1388512,ICAL16918
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 02 07:38:08 2020
Quant Method : I:\VOLATILES\VOA108\2020\200702A\V108_200623N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jun 24 10:26:22 2020
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
43	S	1,2-Dichloroethane-d4	0.295	0.306	-3.7	103	0.00
44	TP	1,2-Dichloroethane	0.379	0.358	5.5	86	-0.01
47	TP	Methyl cyclohexane	0.452	0.397	12.2	81	0.00
48	TP	Trichloroethene	0.307	0.258	16.0	84	-0.01
50	TP	Dibromomethane	0.157	0.136	13.4	82	-0.01
51	TC	1,2-Dichloropropane	0.308	0.275	10.7	85	0.00
53	TP	2-Chloroethyl vinyl ether	0.193	0.150	22.3#	71	0.00
54	TP	Bromodichloromethane	0.399	0.332	16.8	83	0.00
57	TP	1,4-Dioxane	0.00206	0.00203#	1.5	90	-0.01
58	TP	cis-1,3-Dichloropropene	0.444	0.372	16.2	80	0.00
59	I	Chlorobenzene-d5	1.000	1.000	0.0	87	0.00
60	S	Toluene-d8	1.294	1.361	-5.2	92	-0.01
61	TC	Toluene	0.858	0.855	0.3	84	0.00
62	TP	4-Methyl-2-pentanone	0.154	0.125	18.8	70	-0.01
63	TP	Tetrachloroethene	0.357	0.352	1.4	81	0.00
65	TP	trans-1,3-Dichloropropene	0.500	0.442	11.6	76	0.00
67	TP	Ethyl methacrylate	0.432	0.334	22.7#	68	0.00
68	TP	1,1,2-Trichloroethane	0.257	0.239	7.0	80	0.00
69	TP	Chlorodibromomethane	0.379	0.351	7.4	79	0.00
70	TP	1,3-Dichloropropane	0.497	0.476	4.2	80	0.00
71	TP	1,2-Dibromoethane	0.308	0.287	6.8	80	0.00
72	TP	2-Hexanone	0.270	0.226	16.3	68	0.00
73	TP	Chlorobenzene	0.966	0.973	-0.7	84	0.00
74	TC	Ethylbenzene	1.574	1.577	-0.2	82	0.00
75	TP	1,1,1,2-Tetrachloroethane	0.360	0.357	0.8	82	0.00
76	TP	p/m Xylene	0.632	0.644	-1.9	85	0.00
77	TP	o Xylene	0.617	0.629	-1.9	82	0.00
78	TP	Styrene	1.017	1.031	-1.4	83	0.00
79	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	84	0.00
80	TP	Bromoform	0.431	0.383	11.1	73	0.00
82	TP	Isopropylbenzene	3.313	3.458	-4.4	83	0.00
83	S	4-Bromofluorobenzene	1.052	1.032	1.9	83	0.00
84	TP	Bromobenzene	0.803	0.820	-2.1	83	0.00
85	TP	n-Propylbenzene	3.790	3.991	-5.3	84	0.00
86	TP	1,4-Dichlorobutane	1.268	1.224	3.5	79	0.00
87	TP	1,1,2,2-Tetrachloroethane	0.804	0.738	8.2	78	0.00
88	TP	4-Ethyltoluene	3.256	3.411	-4.8	83	0.00

Data Path : I:\VOLATILES\VOA108\2020\200702A\
Data File : V08200702A01.D
Acq On : 2 Jul 2020 6:58 am
Operator : VOA108:PD
Sample : WG1388512-2
Misc : WG1388512,ICAL16918
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 02 07:38:08 2020
Quant Method : I:\VOLATILES\VOA108\2020\200702A\V108_200623N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jun 24 10:26:22 2020
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
89 TP	2-Chlorotoluene	2.631	2.811	-6.8	86	0.00
90 TP	1,3,5-Trimethylbenzene	2.727	2.898	-6.3	85	0.00
91 TP	1,2,3-Trichloropropane	0.591	0.555	6.1	78	0.00
92 TP	trans-1,4-Dichloro-2-butene	0.267	0.228	14.6	71	0.00
93 TP	4-Chlorotoluene	2.381	2.470	-3.7	83	0.00
94 TP	tert-Butylbenzene	2.918	2.583	11.5	71	0.00
97 TP	1,2,4-Trimethylbenzene	2.744	2.802	-2.1	83	0.00
98 TP	sec-Butylbenzene	3.390	3.647	-7.6	85	0.00
99 TP	p-Isopropyltoluene	3.099	3.296	-6.4	84	0.00
100 TP	1,3-Dichlorobenzene	1.587	1.693	-6.7	86	0.00
101 TP	1,4-Dichlorobenzene	1.606	1.703	-6.0	86	0.00
102 TP	p-Diethylbenzene	1.870	1.914	-2.4	82	0.00
103 TP	n-Butylbenzene	2.612	2.883	-10.4	87	0.00
104 TP	1,2-Dichlorobenzene	1.498	1.562	-4.3	84	0.00
105 TP	1,2,4,5-Tetramethylbenzene	3.027	2.943	2.8	80	0.00
106 TP	1,2-Dibromo-3-chloropropane	0.121	0.101	16.5	69	0.00
107 TP	1,3,5-Trichlorobenzene	1.045	1.084	-3.7	87	0.00
108 TP	Hexachlorobutadiene	0.372	0.395	-6.2	90	0.00
109 TP	1,2,4-Trichlorobenzene	0.956	0.930	2.7	82	0.00
110 TP	Naphthalene	2.470	2.118	14.3	73	0.00
111 TP	1,2,3-Trichlorobenzene	0.856	0.808	5.6	80	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 4 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2020\200702A\
Data File : V08200702A01.D
Acq On : 2 Jul 2020 6:58 am
Operator : VOA108:PD
Sample : WG1388512-2
Misc : WG1388512,ICAL16918
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 02 07:38:08 2020
Quant Method : I:\VOLATILES\VOA108\2020\200702A\V108_200623N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jun 24 10:26:22 2020
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.397	96	204273	10.000	ug/L	-0.01
59) Chlorobenzene-d5	8.428	117	143225	10.000	ug/L	0.00
79) 1,4-Dichlorobenzene-d4	9.923	152	66393	10.000	ug/L	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	4.402	113	51469	9.369	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 93.69%			
43) 1,2-Dichloroethane-d4	5.051	65	62555	10.383	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.83%			
60) Toluene-d8	7.107	98	194909	10.516	ug/L	-0.01
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.16%			
83) 4-Bromofluorobenzene	9.254	95	68547	9.815	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.15%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.938	85	33375M1	6.573	ug/L	
3) Chloromethane	1.052	50	54792M1	7.874	ug/L	
4) Vinyl chloride	1.105	62	55327	8.910	ug/L	100
5) Bromomethane	1.303	94	25431M1	7.442	ug/L	
6) Chloroethane	1.382	64	33374	10.221	ug/L	99
7) Trichlorofluoromethane	1.476	101	69602M1	9.600	ug/L	
8) Ethyl ether	1.705	74	25183M1	9.496	ug/L	
10) 1,1-Dichloroethene	1.830	96	44219M1	9.440	ug/L	
11) Carbon disulfide	1.839	76	118927M1	9.083	ug/L	
12) Freon-113	1.870	101	45293M1	9.881	ug/L	
13) Iodomethane	1.931	142	10730M1	1.580	ug/L	
14) Acrolein	2.095	56	7451M1	8.594	ug/L	
15) Methylene chloride	2.302	84	52044M1	8.983	ug/L	
17) Acetone	2.358	43	13618M1	8.724	ug/L	
18) trans-1,2-Dichloroethene	2.444	96	48684M1	9.031	ug/L	
19) Methyl acetate	2.483	43	33846	7.981	ug/L #	97
20) Methyl tert-butyl ether	2.567	73	122384M1	8.550	ug/L	
21) tert-Butyl alcohol	2.712	59	25211M1	38.982	ug/L	
22) Diisopropyl ether	2.979	45	215752M1	9.077	ug/L	
23) 1,1-Dichloroethane	3.060	63	100796M1	9.895	ug/L	
24) Halothane	3.200	117	38555M1	9.196	ug/L	
25) Acrylonitrile	3.127	53	17401M1	8.310	ug/L	
26) Ethyl tert-butyl ether	3.409	59	179186M1	8.757	ug/L	
27) Vinyl acetate	3.414	43	136346M1	9.513	ug/L	
28) cis-1,2-Dichloroethene	3.727	96	54426M1	9.051	ug/L	

Data Path : I:\VOLATILES\VOA108\2020\200702A\
Data File : V08200702A01.D
Acq On : 2 Jul 2020 6:58 am
Operator : VOA108:PD
Sample : WG1388512-2
Misc : WG1388512,ICAL16918
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 02 07:38:08 2020
Quant Method : I:\VOLATILES\VOA108\2020\200702A\V108_200623N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jun 24 10:26:22 2020
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
29) 2,2-Dichloropropane	3.858	77	74072M1	9.561	ug/L		
30) Bromochloromethane	3.997	128	26559M1	9.557	ug/L		
31) Cyclohexane	3.964	56	98481M1	9.148	ug/L		
32) Chloroform	4.156	83	90747M1	8.960	ug/L		
33) Ethyl acetate	4.404	43	51315M1	8.820	ug/L		
34) Carbon tetrachloride	4.279	117	65073	9.244	ug/L		98
35) Tetrahydrofuran	4.349	42	17062	10.597	ug/L		97
37) 1,1,1-Trichloroethane	4.374	97	80246M1	9.039	ug/L		
39) 2-Butanone	4.591	43	22200M1	8.770	ug/L		
40) 1,1-Dichloropropene	4.555	75	61945M1	9.088	ug/L		
41) Benzene	4.870	78	188458	9.008	ug/L		97
42) tert-Amyl methyl ether	5.099	73	134036M1	8.202	ug/L		
44) 1,2-Dichloroethane	5.129	62	73230M1	9.456	ug/L		
47) Methyl cyclohexane	5.556	83	81020M1	8.781	ug/L		
48) Trichloroethene	5.595	95	52671M1	8.395	ug/L		
50) Dibromomethane	6.044	93	27695M1	8.632	ug/L		
51) 1,2-Dichloropropane	6.158	63	56111M1	8.914	ug/L		
53) 2-Chloroethyl vinyl ether	6.920	63	30703	7.794	ug/L		91
54) Bromodichloromethane	6.270	83	67880	8.337	ug/L		99
57) 1,4-Dioxane	6.493	88	20703M1	491.768	ug/L		
58) cis-1,3-Dichloropropene	6.931	75	76005	8.374	ug/L		92
61) Toluene	7.157	92	122462	9.964	ug/L		95
62) 4-Methyl-2-pentanone	7.572	58	17838	8.105	ug/L		82
63) Tetrachloroethene	7.522	166	50475	9.878	ug/L		90
65) trans-1,3-Dichloropropene	7.595	75	63326	8.847	ug/L		86
67) Ethyl methacrylate	7.784	69	47800	7.718	ug/L		98
68) 1,1,2-Trichloroethane	7.726	83	34200	9.283	ug/L		94
69) Chlorodibromomethane	7.865	129	50205	9.244	ug/L		96
70) 1,3-Dichloropropane	7.940	76	68135	9.564	ug/L		100
71) 1,2-Dibromoethane	8.024	107	41139	9.320	ug/L		96
72) 2-Hexanone	8.269	43	32412	8.392	ug/L	#	94
73) Chlorobenzene	8.440	112	139380	10.075	ug/L		88
74) Ethylbenzene	8.481	91	225914	10.019	ug/L		97
75) 1,1,1,2-Tetrachloroethane	8.501	131	51160	9.922	ug/L		93
76) p/m Xylene	8.587	106	184616	20.389	ug/L		89
77) o Xylene	8.875	106	180104	20.392	ug/L		87
78) Styrene	8.911	104	295334	20.270	ug/L		88
80) Bromoform	8.916	173	25408	8.877	ug/L		96
82) Isopropylbenzene	9.087	105	229601	10.437	ug/L		94
84) Bromobenzene	9.307	156	54466	10.213	ug/L		96
85) n-Propylbenzene	9.346	91	264968	10.530	ug/L		93

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2020\200702A\
Data File : V08200702A01.D
Acq On : 2 Jul 2020 6:58 am
Operator : VOA108:PD
Sample : WG1388512-2
Misc : WG1388512,ICAL16918
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 02 07:38:08 2020
Quant Method : I:\VOLATILES\VOA108\2020\200702A\V108_200623N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jun 24 10:26:22 2020
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
86) 1,4-Dichlorobutane	9.351	55	81249	9.651	ug/L	95
87) 1,1,2,2-Tetrachloroethane	9.402	83	49019	9.187	ug/L	99
88) 4-Ethyltoluene	9.416	105	226459	10.477	ug/L	94
89) 2-Chlorotoluene	9.430	91	186601	10.683	ug/L	94
90) 1,3,5-Trimethylbenzene	9.471	105	192389M2	10.625	ug/L	
91) 1,2,3-Trichloropropane	9.469	75	36861	9.398	ug/L	95
92) trans-1,4-Dichloro-2-b...	9.502	53	15155M1	8.560	ug/L	
93) 4-Chlorotoluene	9.530	91	163997	10.373	ug/L	92
94) tert-Butylbenzene	9.655	119	171509	8.852	ug/L	97
97) 1,2,4-Trimethylbenzene	9.700	105	186063	10.212	ug/L	88
98) sec-Butylbenzene	9.761	105	242137	10.757	ug/L	97
99) p-Isopropyltoluene	9.848	119	218837	10.635	ug/L	94
100) 1,3-Dichlorobenzene	9.879	146	112384	10.668	ug/L	98
101) 1,4-Dichlorobenzene	9.931	146	113081	10.607	ug/L	97
102) p-Diethylbenzene	10.060	119	127046	10.233	ug/L	91
103) n-Butylbenzene	10.090	91	191428	11.038	ug/L	98
104) 1,2-Dichlorobenzene	10.171	146	103682	10.423	ug/L	99
105) 1,2,4,5-Tetramethylben...	10.514	119	195364	9.720	ug/L	96
106) 1,2-Dibromo-3-chloropr...	10.629	155	6720	8.395	ug/L	93
107) 1,3,5-Trichlorobenzene	10.645	180	71971	10.369	ug/L	96
108) Hexachlorobutadiene	10.991	225	26202	10.619	ug/L	96
109) 1,2,4-Trichlorobenzene	11.005	180	61714	9.724	ug/L	96
110) Naphthalene	11.184	128	140638	8.577	ug/L	100
111) 1,2,3-Trichlorobenzene	11.287	180	53617	9.432	ug/L	97

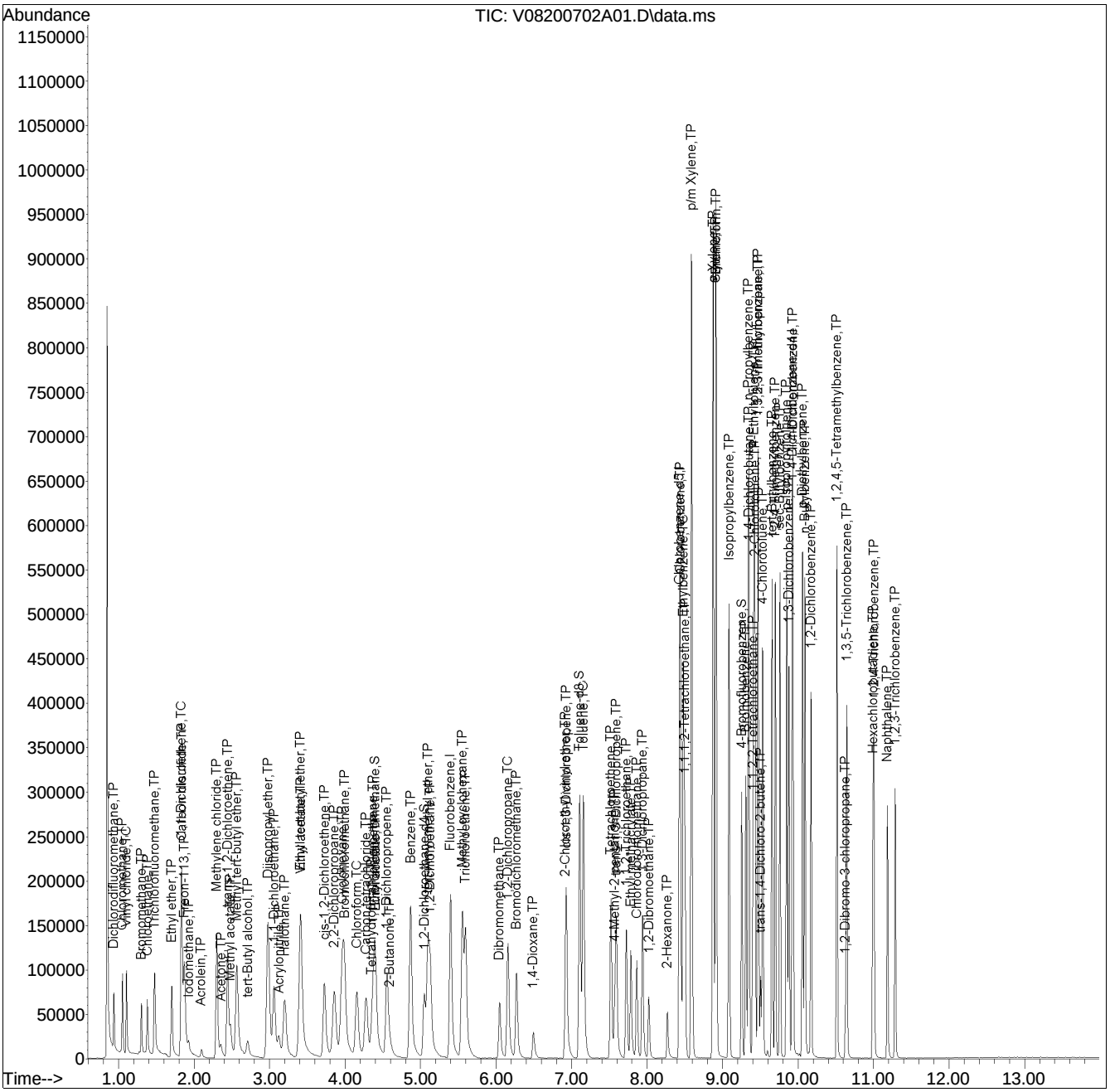
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2020\200702A\
Data File : V08200702A01.D
Acq On : 2 Jul 2020 6:58 am
Operator : VOA108:PD
Sample : WG1388512-2
Misc : WG1388512,ICAL16918
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 02 07:38:08 2020
Quant Method : I:\VOLATILES\VOA108\2020\200702A\V108_200623N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jun 24 10:26:22 2020
Response via : Initial Calibration

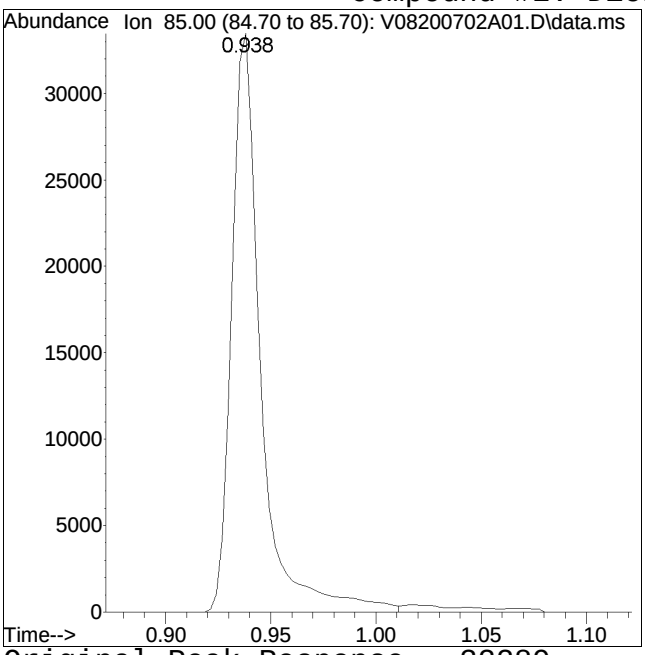
Sub List : 8260-Curve - Megamix plus Diox



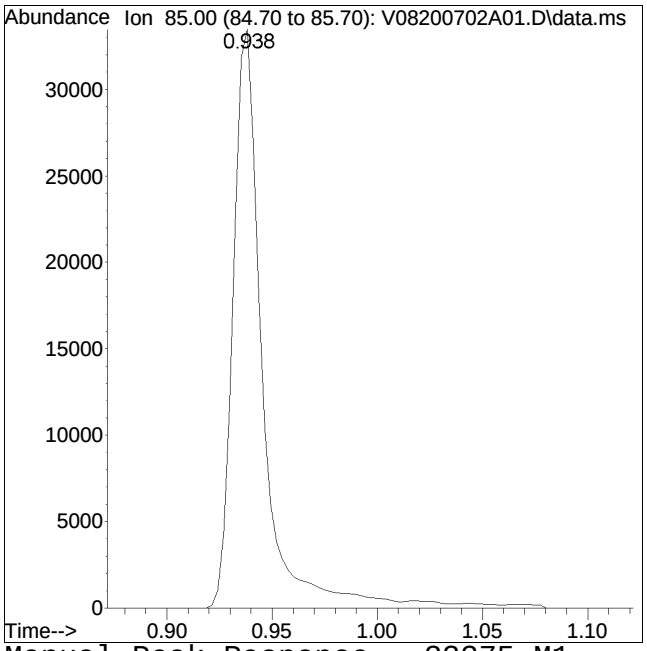
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200702A01.D Operator : VOA108:PD
Date Inj'd : 7/2/2020 6:58 am Instrument : VOA 108
Sample : WG1388512-2 Quant Date : 7/2/2020 7:34 am

Compound #2: Dichlorodifluoromethane



Original Peak Response = 32289



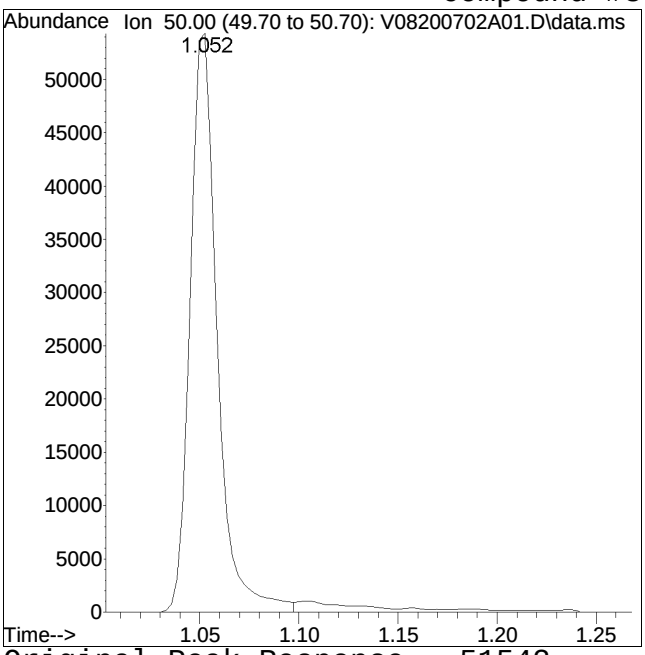
Manual Peak Response = 33375 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

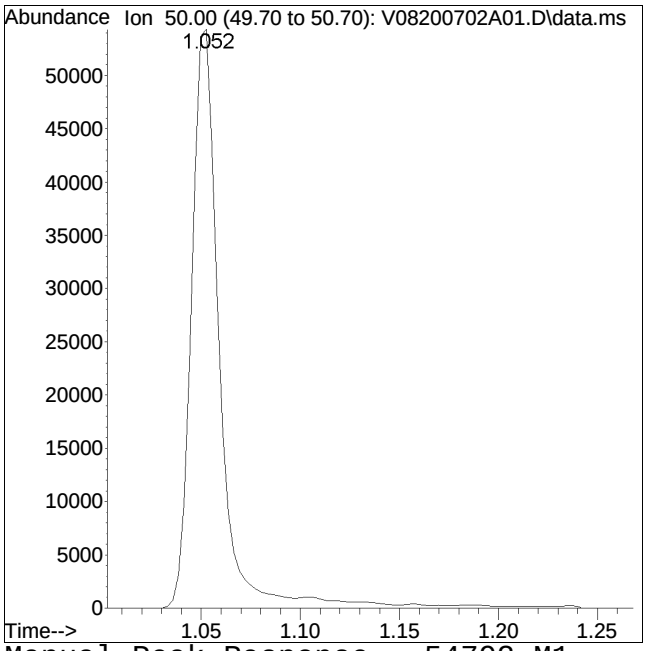
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200702A01.D Operator : VOA108:PD
Date Inj'd : 7/2/2020 6:58 am Instrument : VOA 108
Sample : WG1388512-2 Quant Date : 7/2/2020 7:34 am

Compound #3: Chloromethane



Original Peak Response = 51542



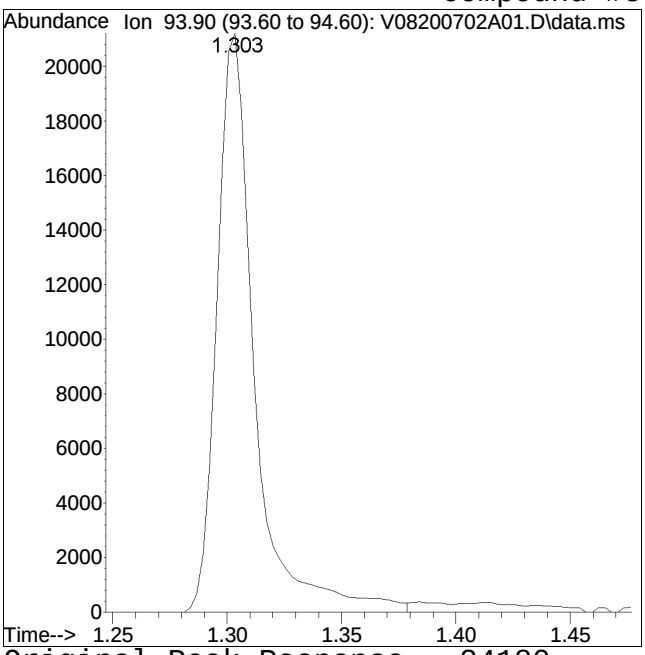
Manual Peak Response = 54792 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

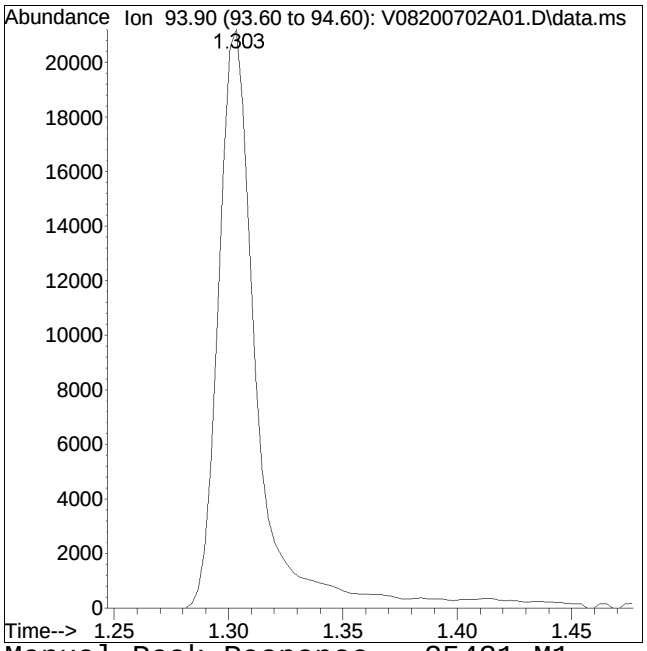
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200702A01.D Operator : VOA108:PD
Date Inj'd : 7/2/2020 6:58 am Instrument : VOA 108
Sample : WG1388512-2 Quant Date : 7/2/2020 7:34 am

Compound #5: Bromomethane



Original Peak Response = 24180



Manual Peak Response = 25431 M1

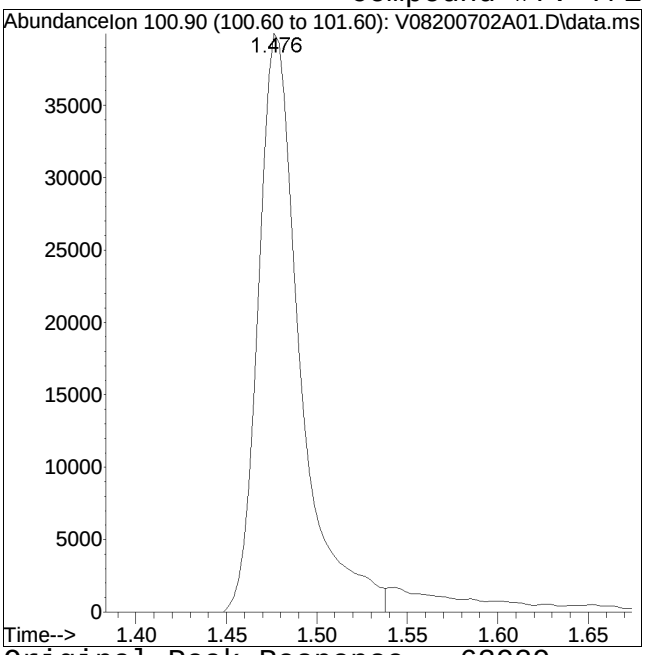
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

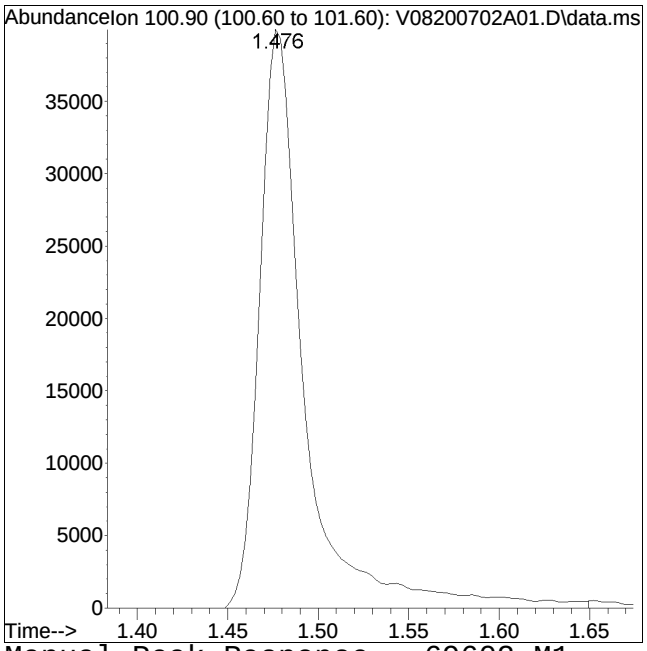
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2Q
Data File : V08200702A01.D
Date Inj'd : 7/2/2020 6:58 am
Sample : WG1388512-2

Method : V108_200623N_8260.m
Operator : VOA108:PD
Instrument : VOA 108
Quant Date : 7/2/2020 7:34 am

Compound #7: Trichlorofluoromethane





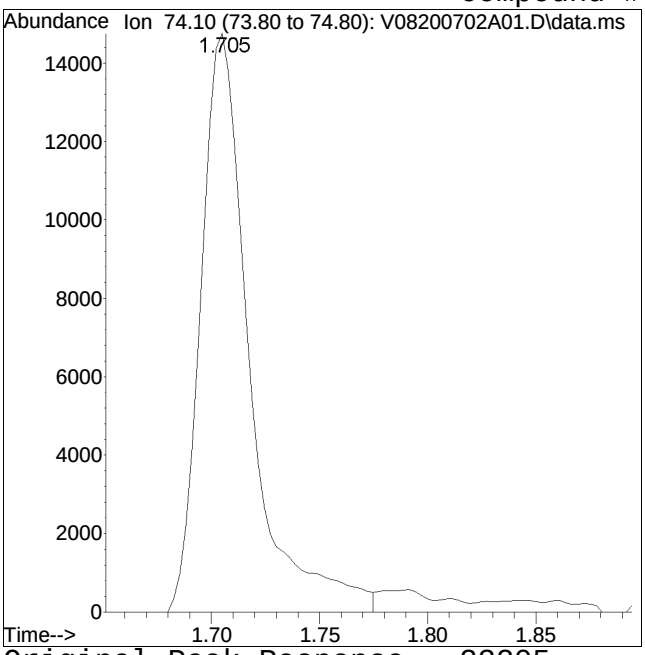
Original Peak Response = 63929 Manual Peak Response = 69602 M1

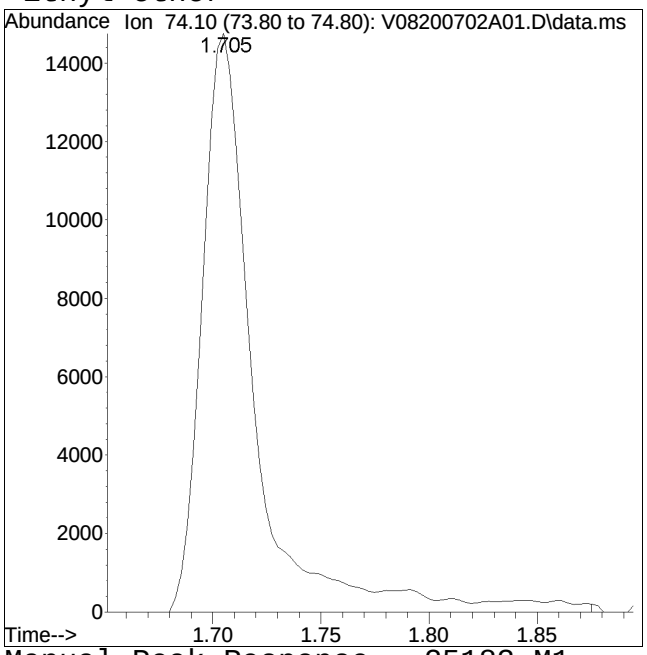
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200702A01.D Operator : VOA108:PD
Date Inj'd : 7/2/2020 6:58 am Instrument : VOA 108
Sample : WG1388512-2 Quant Date : 7/2/2020 7:34 am

Compound #8: Ethyl ether





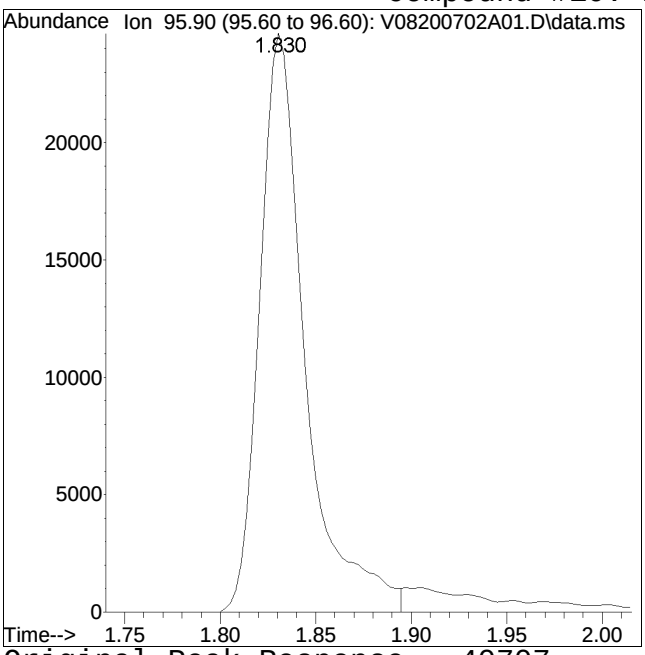
Original Peak Response = 23205 Manual Peak Response = 25183 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

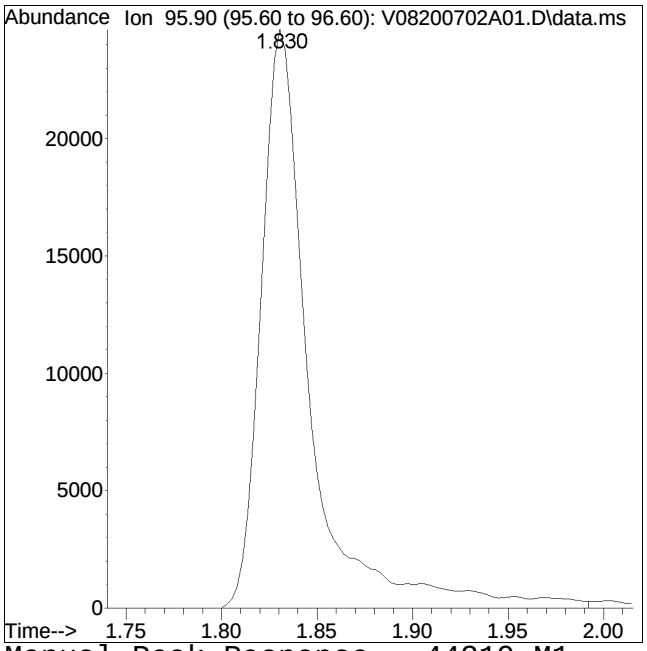
Data Path : I:\VOLATILES\VOA108\2020\2Q
Data File : V08200702A01.D
Date Inj'd : 7/2/2020 6:58 am
Sample : WG1388512-2

Method : V108_200623N_8260.m
Operator : VOA108:PD
Instrument : VOA 108
Quant Date : 7/2/2020 7:34 am

Compound #10: 1,1-Dichloroethene



Original Peak Response = 40707



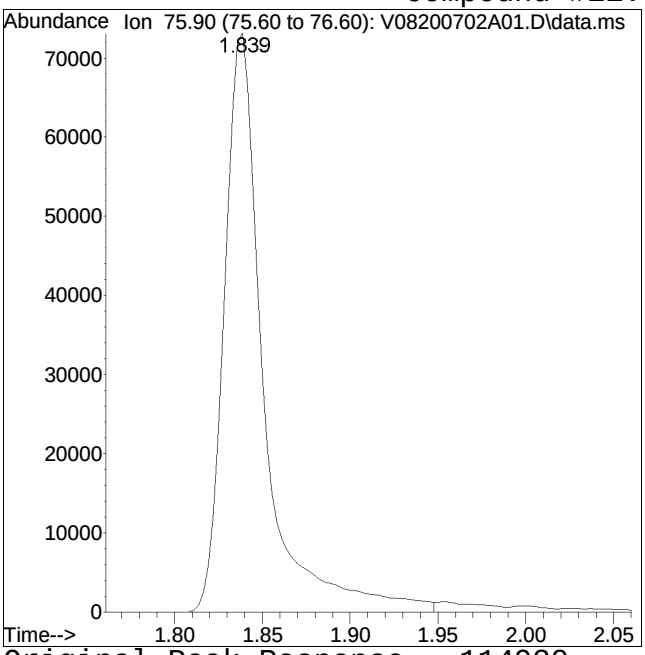
Manual Peak Response = 44219 M1

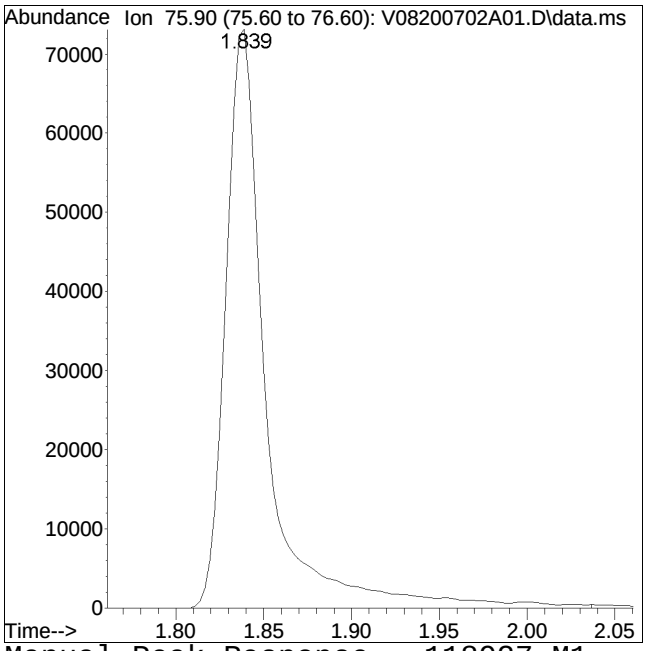
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200702A01.D Operator : VOA108:PD
Date Inj'd : 7/2/2020 6:58 am Instrument : VOA 108
Sample : WG1388512-2 Quant Date : 7/2/2020 7:34 am

Compound #11: Carbon disulfide



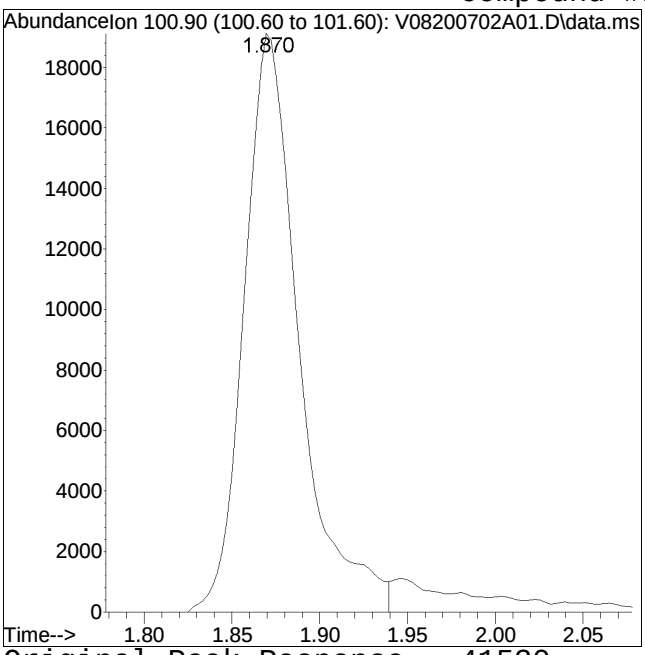


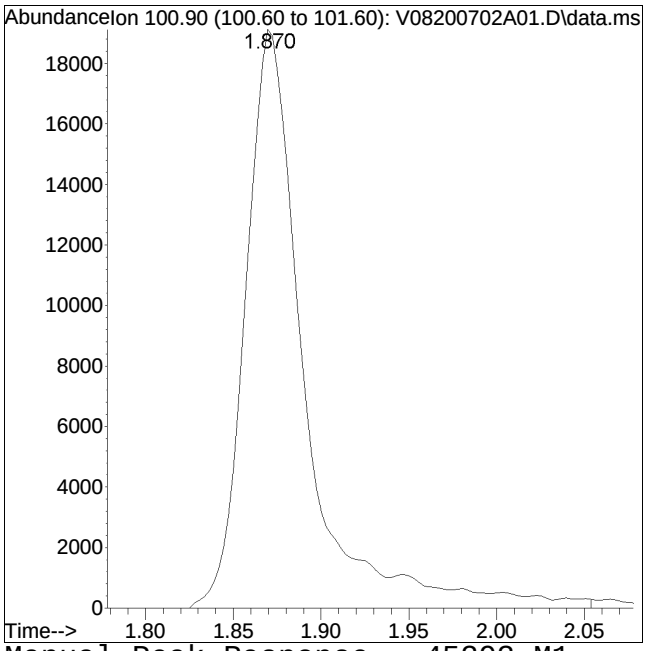
Original Peak Response = 114920 Manual Peak Response = 118927 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200702A01.D Operator : VOA108:PD
Date Inj'd : 7/2/2020 6:58 am Instrument : VOA 108
Sample : WG1388512-2 Quant Date : 7/2/2020 7:34 am

Compound #12: Freon-113



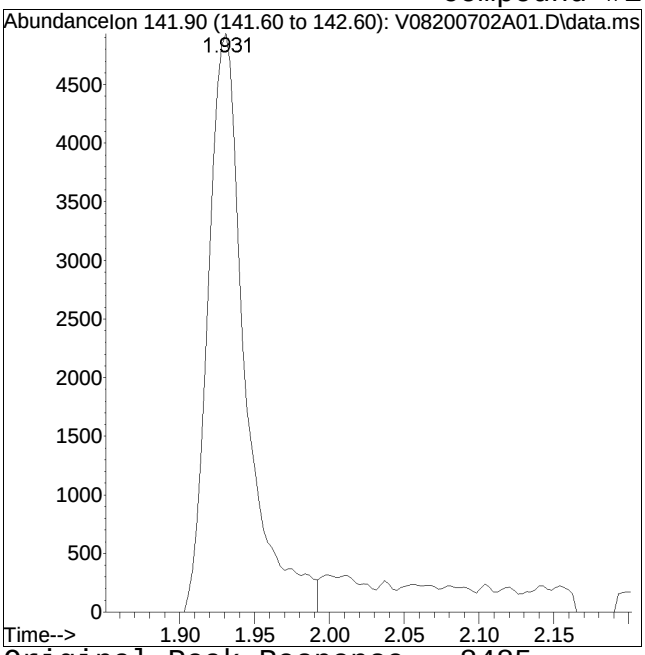


Original Peak Response = 41530 Manual Peak Response = 45293 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

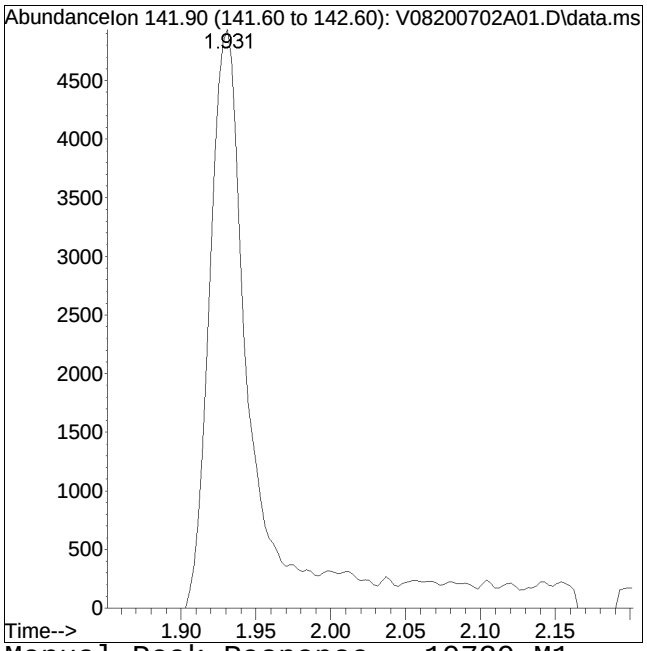
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200702A01.D Operator : VOA108:PD
Date Inj'd : 7/2/2020 6:58 am Instrument : VOA 108
Sample : WG1388512-2 Quant Date : 7/2/2020 7:34 am

Compound #13: Iodomethane



Original Peak Response = 8485



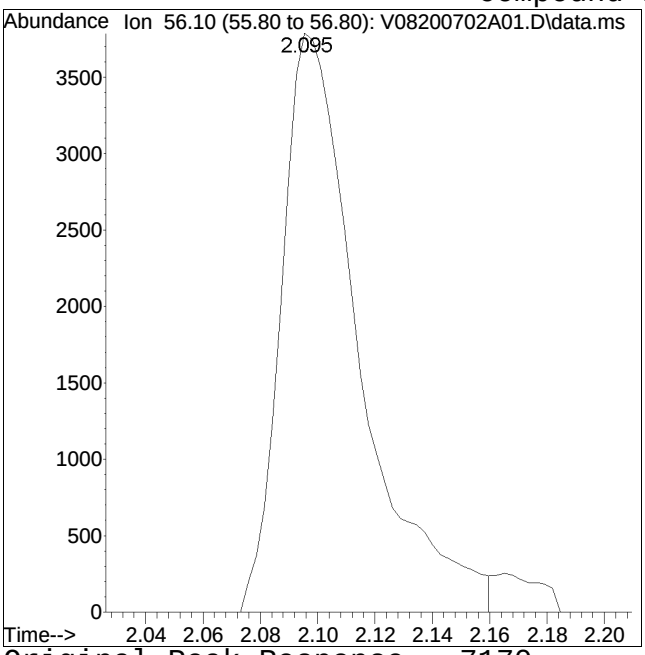
Manual Peak Response = 10730 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

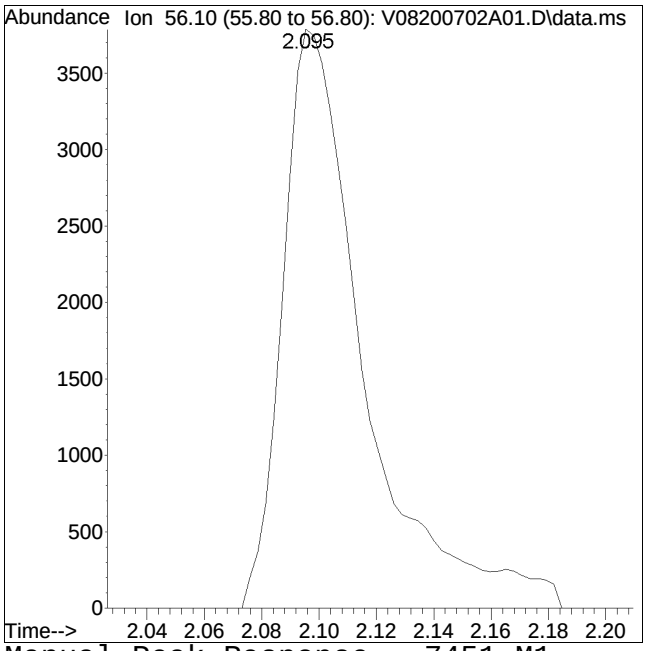
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200702A01.D Operator : VOA108:PD
Date Inj'd : 7/2/2020 6:58 am Instrument : VOA 108
Sample : WG1388512-2 Quant Date : 7/2/2020 7:34 am

Compound #14: Acrolein



Original Peak Response = 7170



Manual Peak Response = 7451 M1

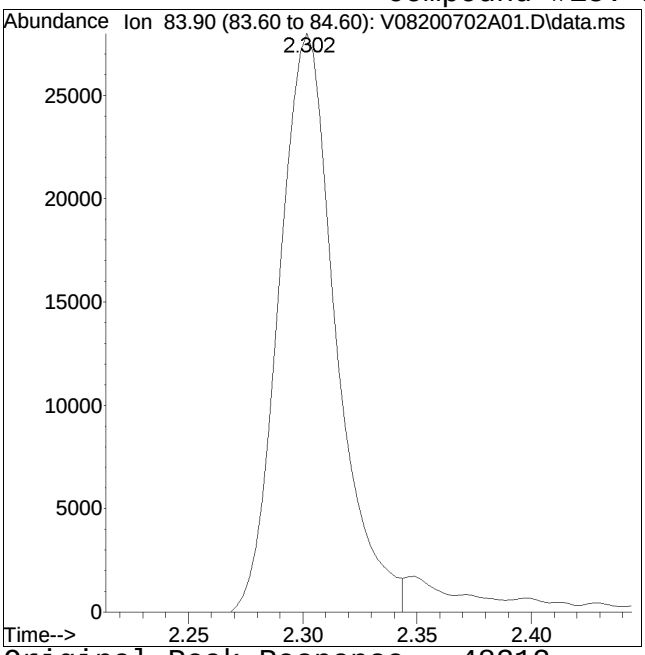
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

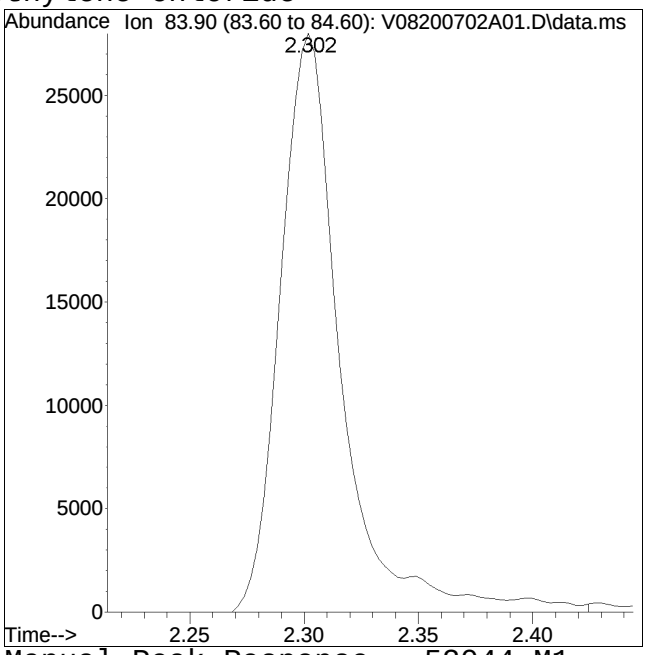
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2Q
Data File : V08200702A01.D
Date Inj'd : 7/2/2020 6:58 am
Sample : WG1388512-2

Method : V108_200623N_8260.m
Operator : VOA108:PD
Instrument : VOA 108
Quant Date : 7/2/2020 7:34 am

Compound #15: Methylene chloride





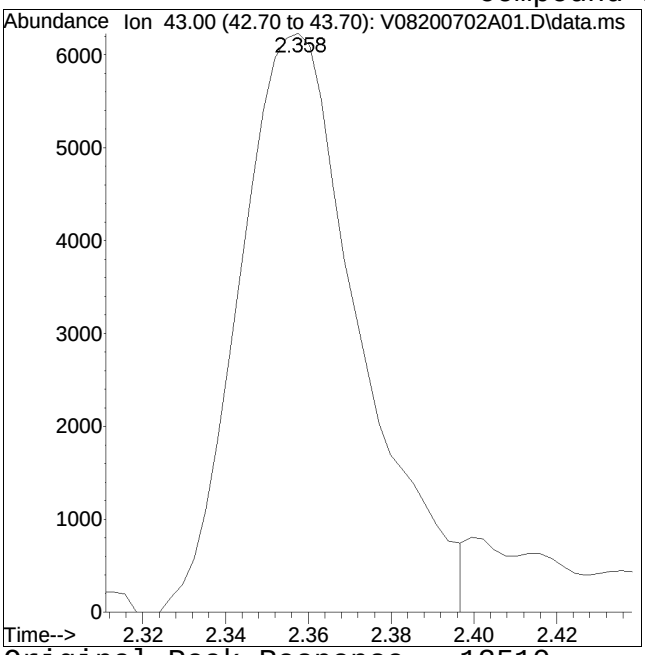
Original Peak Response = 48312 Manual Peak Response = 52044 M1

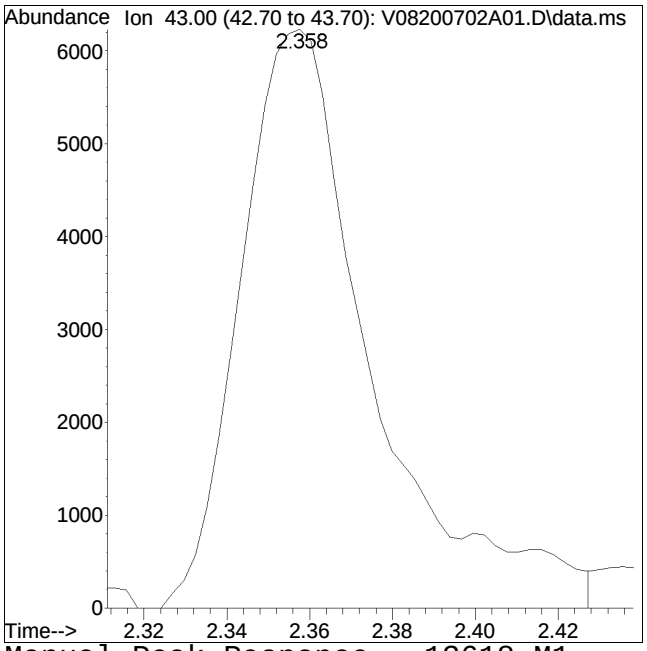
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200702A01.D Operator : VOA108:PD
Date Inj'd : 7/2/2020 6:58 am Instrument : VOA 108
Sample : WG1388512-2 Quant Date : 7/2/2020 7:34 am

Compound #17: Acetone



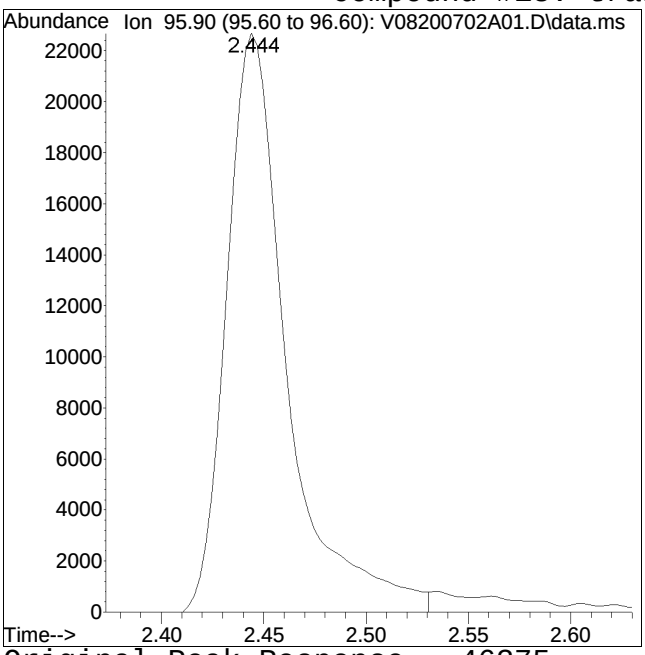


Original Peak Response = 12510 Manual Peak Response = 13618 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

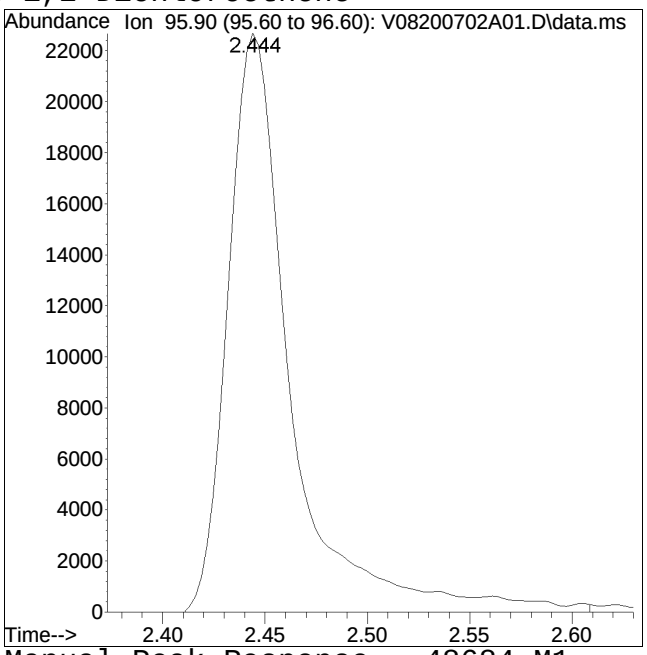
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200702A01.D Operator : VOA108:PD
Date Inj'd : 7/2/2020 6:58 am Instrument : VOA 108
Sample : WG1388512-2 Quant Date : 7/2/2020 7:34 am

Compound #18: trans-1,2-Dichloroethene



Original Peak Response = 46375



Manual Peak Response = 48684 M1

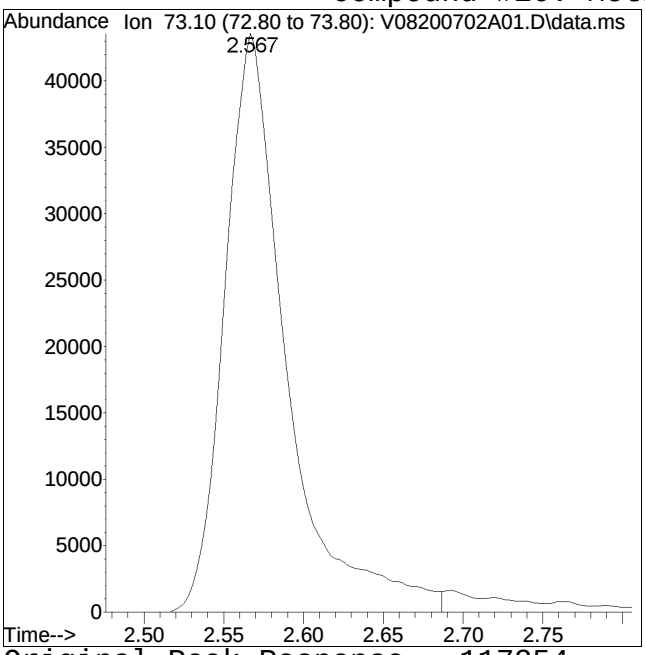
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

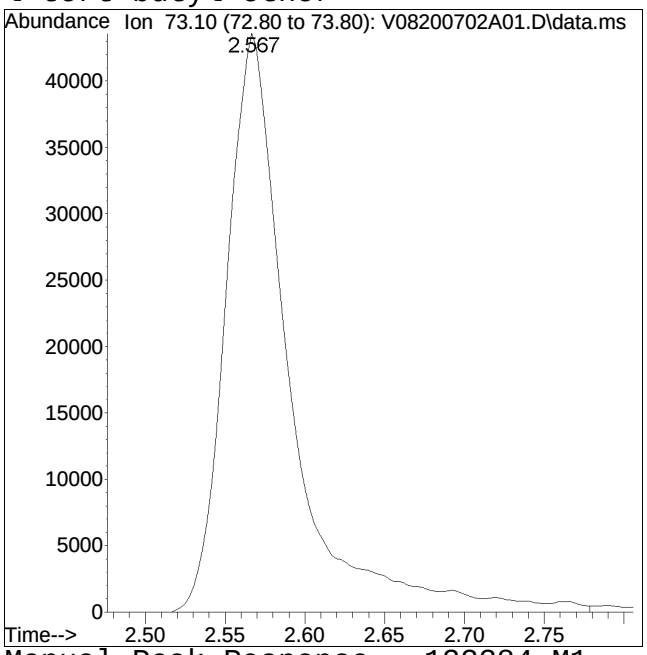
Data Path : I:\VOLATILES\VOA108\2020\2Q
Data File : V08200702A01.D
Date Inj'd : 7/2/2020 6:58 am
Sample : WG1388512-2

Method : V108_200623N_8260.m
Operator : VOA108:PD
Instrument : VOA 108
Quant Date : 7/2/2020 7:34 am

Compound #20: Methyl tert-butyl ether



Original Peak Response = 117254



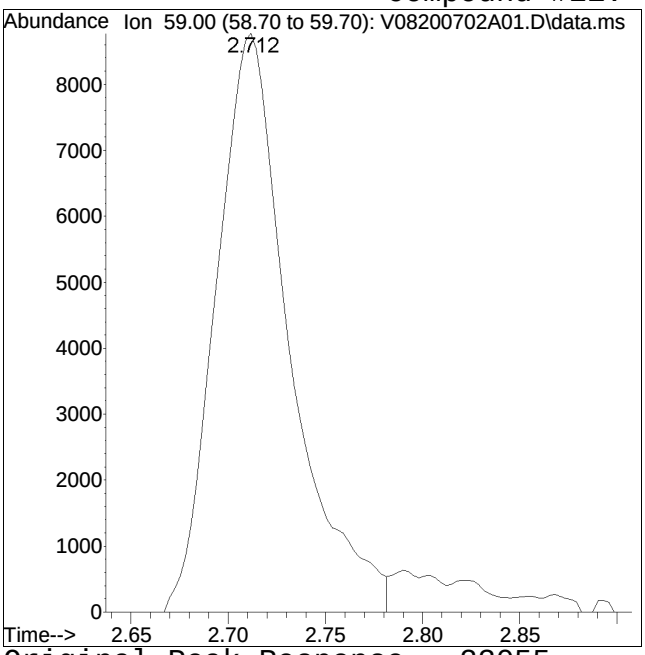
Manual Peak Response = 122384 M1

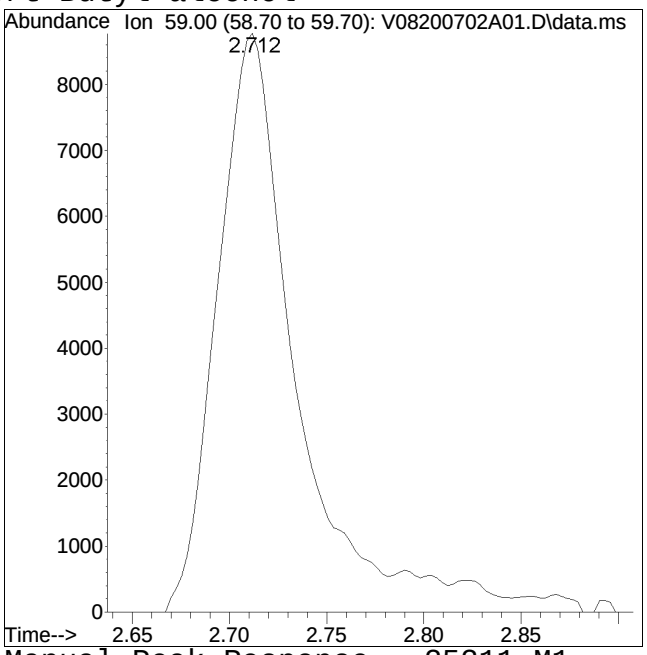
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200702A01.D Operator : VOA108:PD
Date Inj'd : 7/2/2020 6:58 am Instrument : VOA 108
Sample : WG1388512-2 Quant Date : 7/2/2020 7:34 am

Compound #21: tert-Butyl alcohol





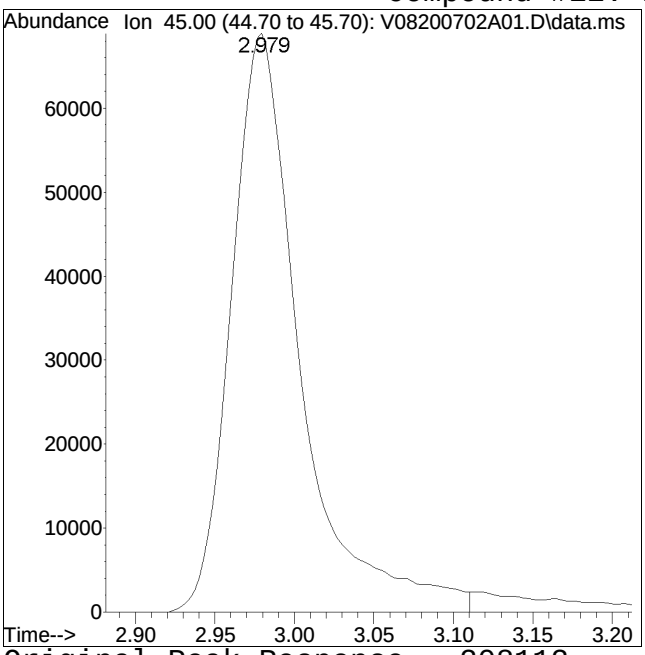
Original Peak Response = 23055 Manual Peak Response = 25211 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

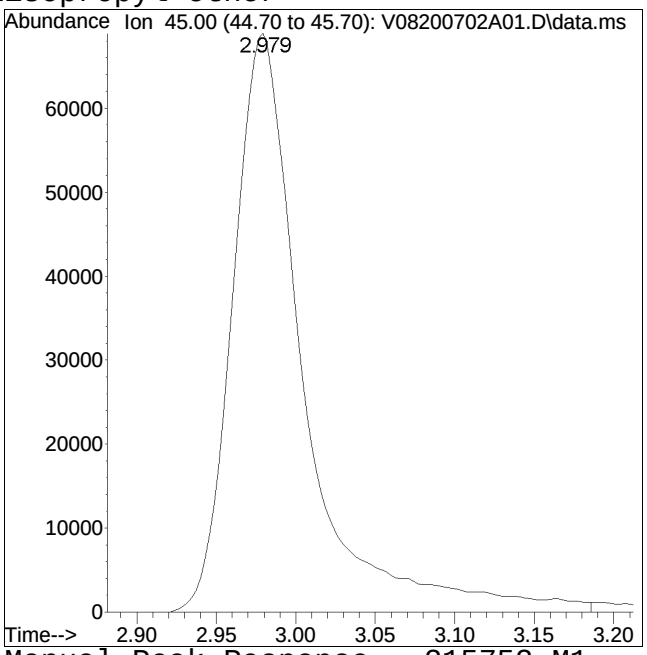
Data Path : I:\VOLATILES\VOA108\2020\2Q
Data File : V08200702A01.D
Date Inj'd : 7/2/2020 6:58 am
Sample : WG1388512-2

Method : V108_200623N_8260.m
Operator : VOA108:PD
Instrument : VOA 108
Quant Date : 7/2/2020 7:34 am

Compound #22: Diisopropyl ether



Original Peak Response = 208112



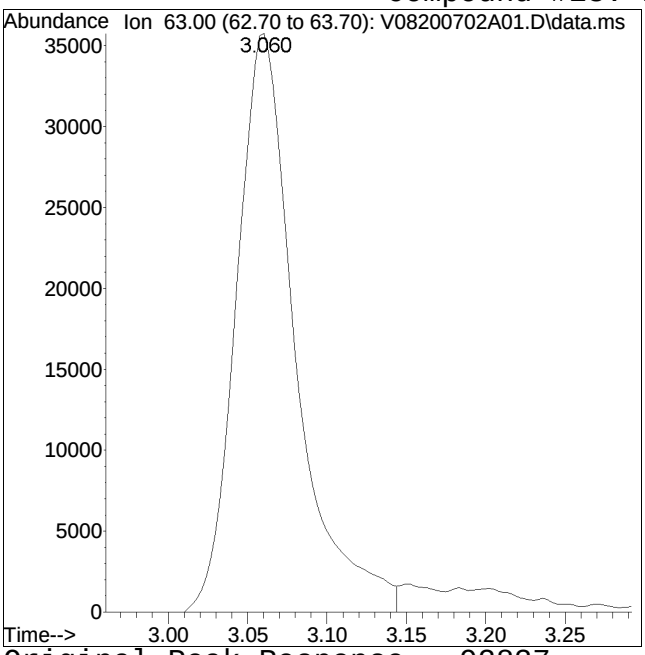
Manual Peak Response = 215752 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

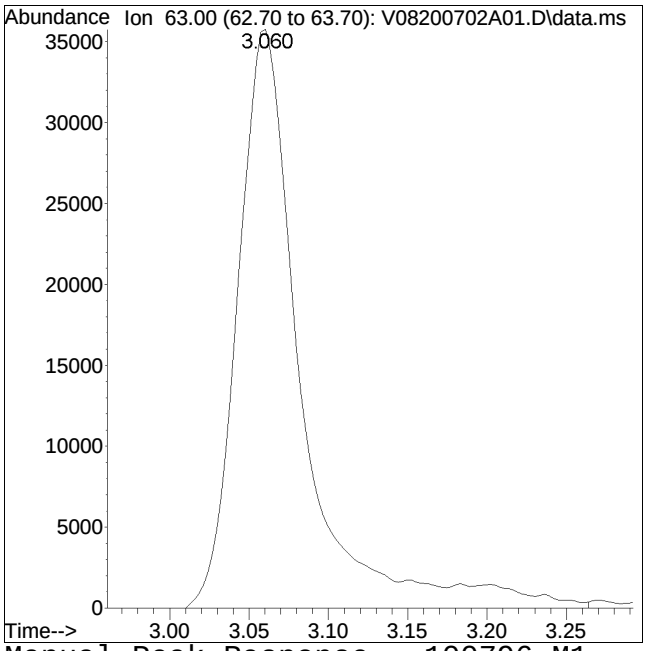
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200702A01.D Operator : VOA108:PD
Date Inj'd : 7/2/2020 6:58 am Instrument : VOA 108
Sample : WG1388512-2 Quant Date : 7/2/2020 7:34 am

Compound #23: 1,1-Dichloroethane



Original Peak Response = 92837



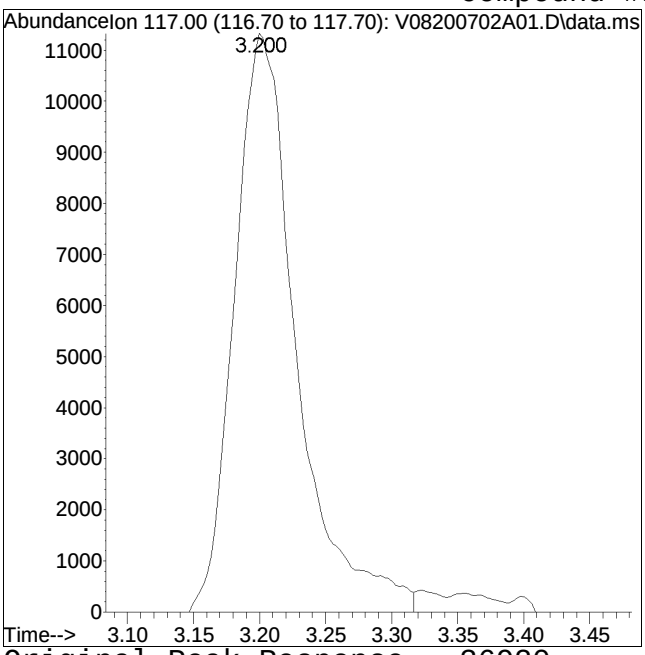
Manual Peak Response = 100796 M1

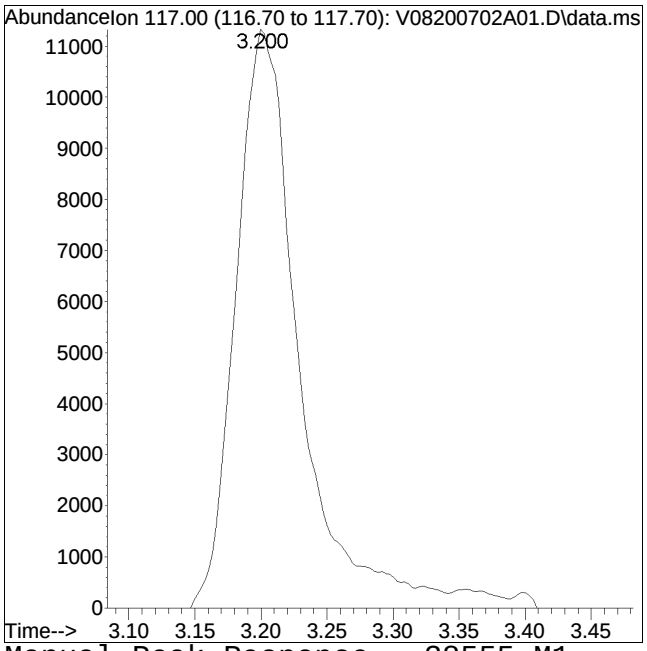
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200702A01.D Operator : VOA108:PD
Date Inj'd : 7/2/2020 6:58 am Instrument : VOA 108
Sample : WG1388512-2 Quant Date : 7/2/2020 7:34 am

Compound #24: Halothane



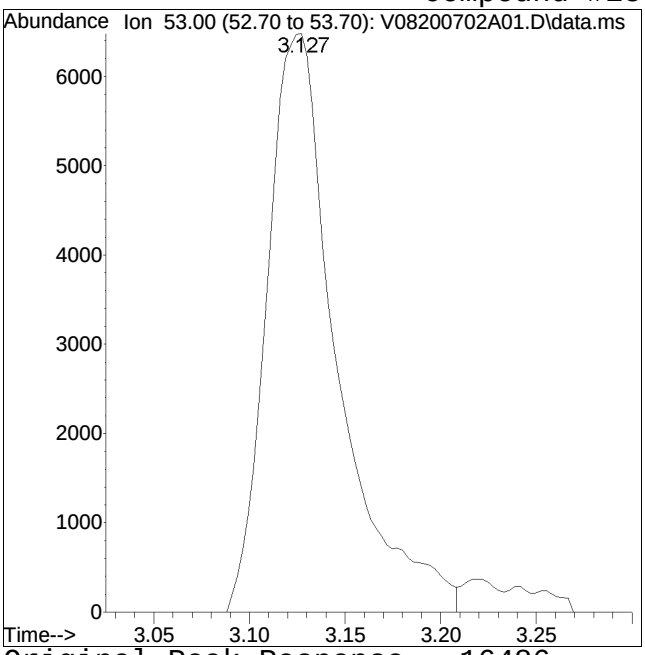


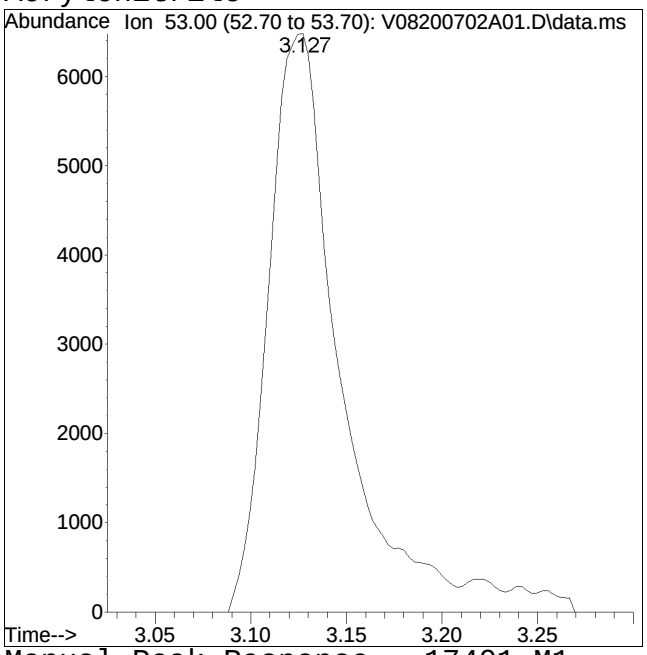
Original Peak Response = 36920 Manual Peak Response = 38555 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200702A01.D Operator : VOA108:PD
Date Inj'd : 7/2/2020 6:58 am Instrument : VOA 108
Sample : WG1388512-2 Quant Date : 7/2/2020 7:34 am

Compound #25: Acrylonitrile



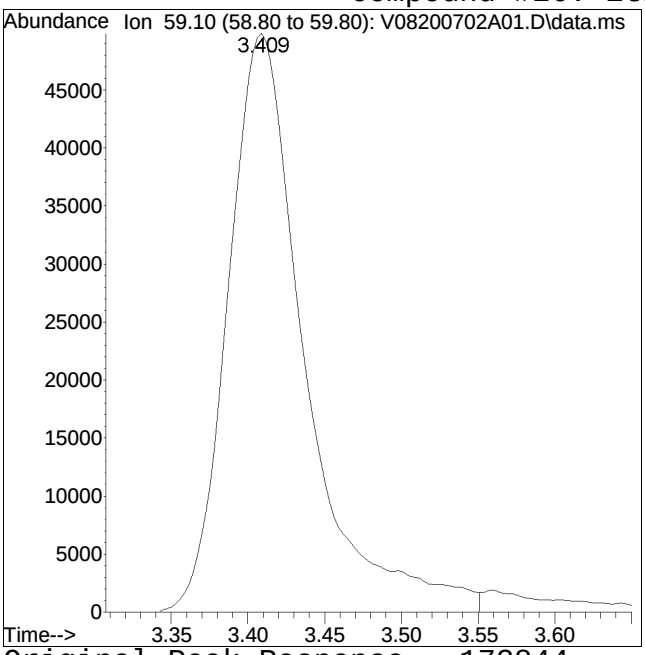


Original Peak Response = 16486 Manual Peak Response = 17401 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

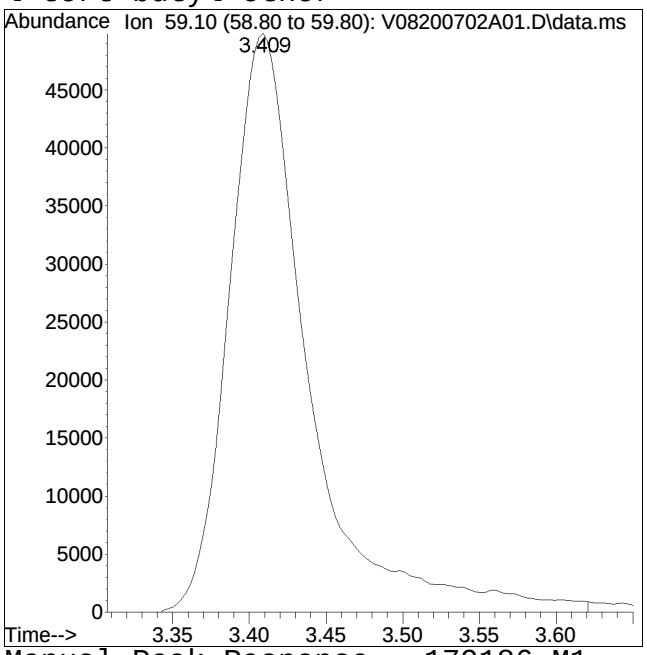
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200702A01.D Operator : VOA108:PD
Date Inj'd : 7/2/2020 6:58 am Instrument : VOA 108
Sample : WG1388512-2 Quant Date : 7/2/2020 7:34 am

Compound #26: Ethyl tert-butyl ether



Original Peak Response = 173844



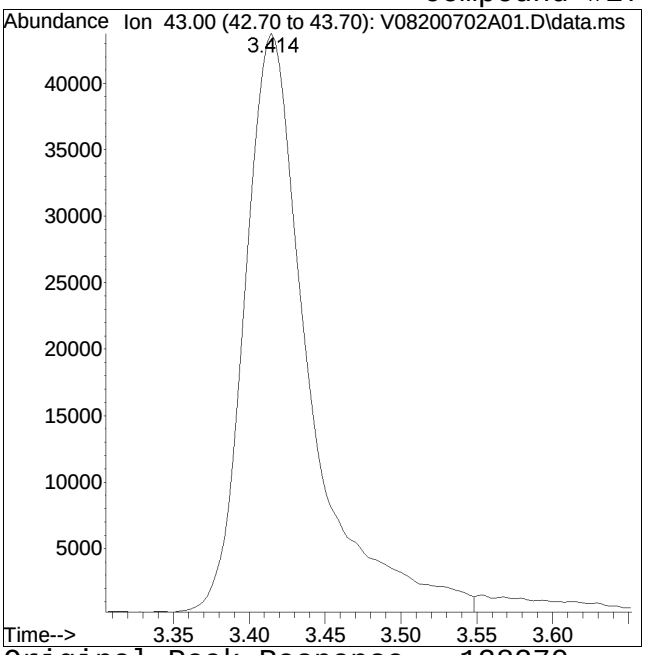
Manual Peak Response = 179186 M1

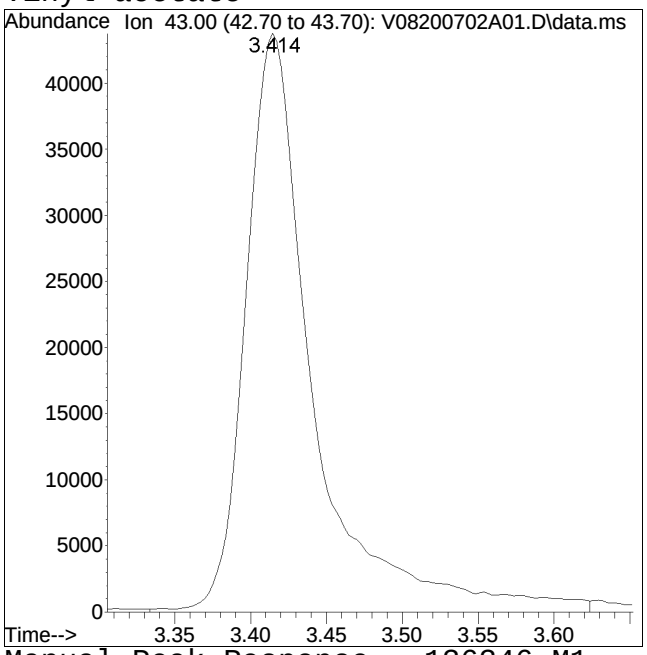
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200702A01.D Operator : VOA108:PD
Date Inj'd : 7/2/2020 6:58 am Instrument : VOA 108
Sample : WG1388512-2 Quant Date : 7/2/2020 7:34 am

Compound #27: Vinyl acetate



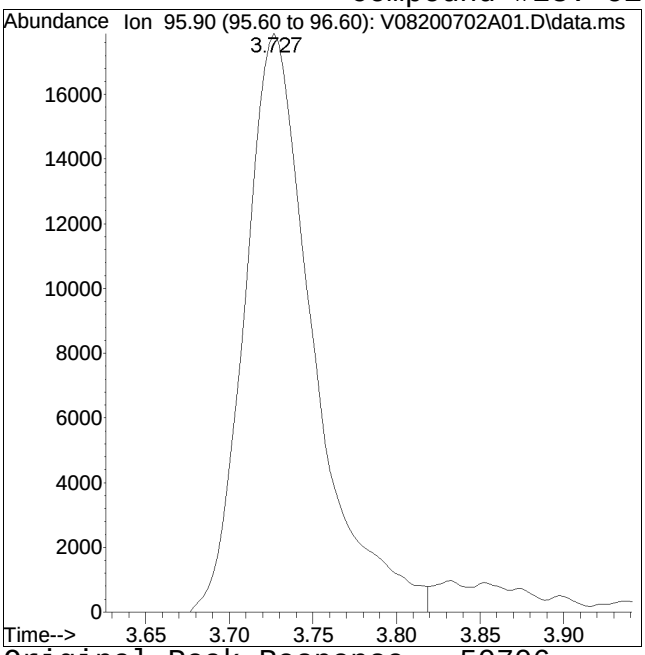


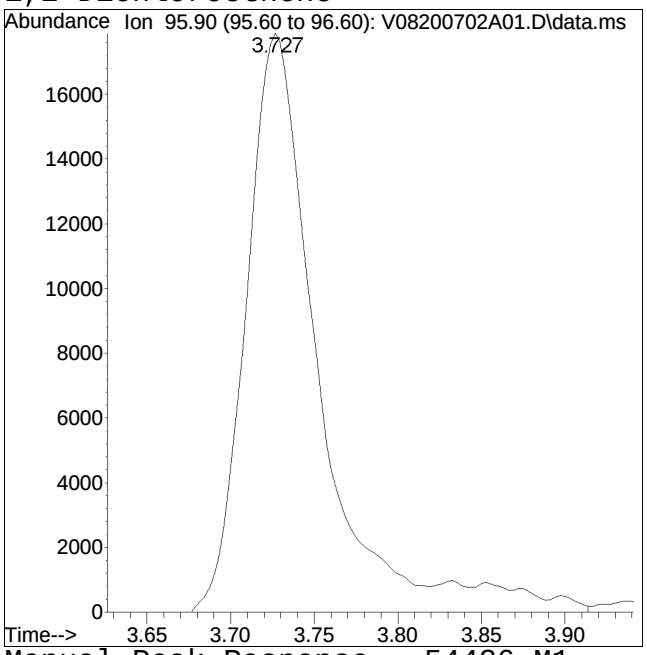
Original Peak Response = 128270 Manual Peak Response = 136346 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200702A01.D Operator : VOA108:PD
Date Inj'd : 7/2/2020 6:58 am Instrument : VOA 108
Sample : WG1388512-2 Quant Date : 7/2/2020 7:34 am

Compound #28: cis-1,2-Dichloroethene



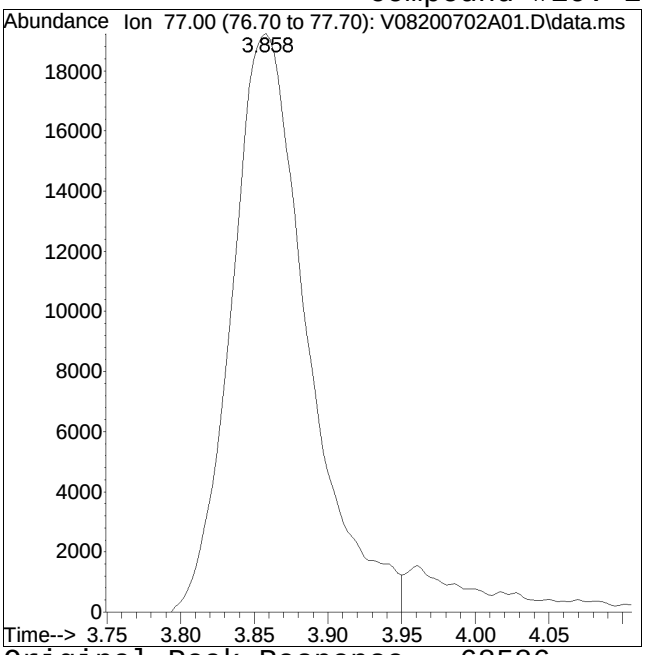


Original Peak Response = 50706 Manual Peak Response = 54426 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

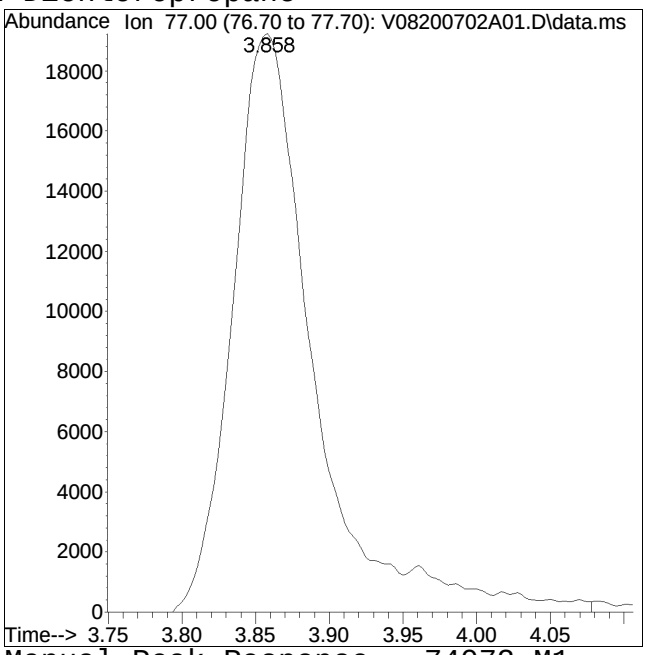
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200702A01.D Operator : VOA108:PD
Date Inj'd : 7/2/2020 6:58 am Instrument : VOA 108
Sample : WG1388512-2 Quant Date : 7/2/2020 7:34 am

Compound #29: 2,2-Dichloropropane



Original Peak Response = 68586



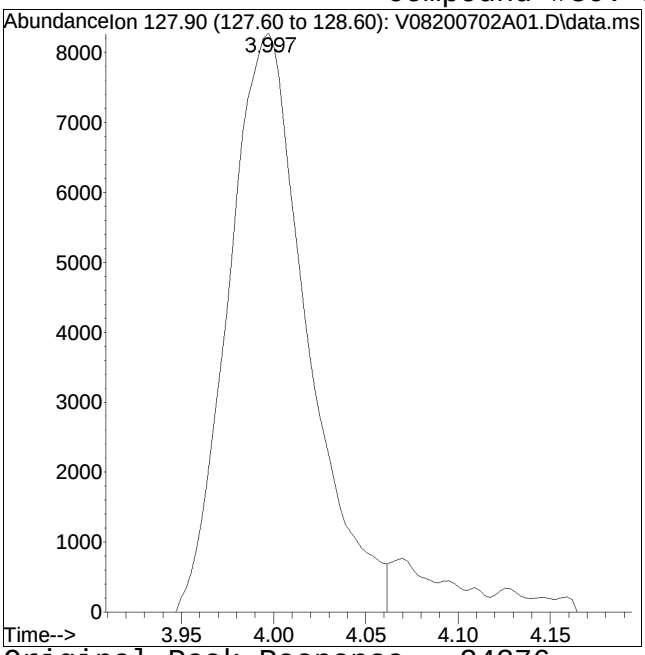
Manual Peak Response = 74072 M1

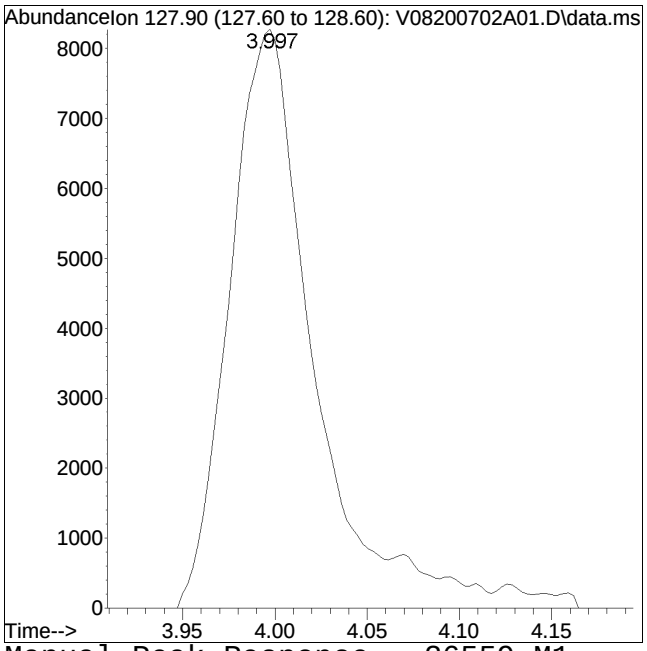
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200702A01.D Operator : VOA108:PD
Date Inj'd : 7/2/2020 6:58 am Instrument : VOA 108
Sample : WG1388512-2 Quant Date : 7/2/2020 7:34 am

Compound #30: Bromochloromethane



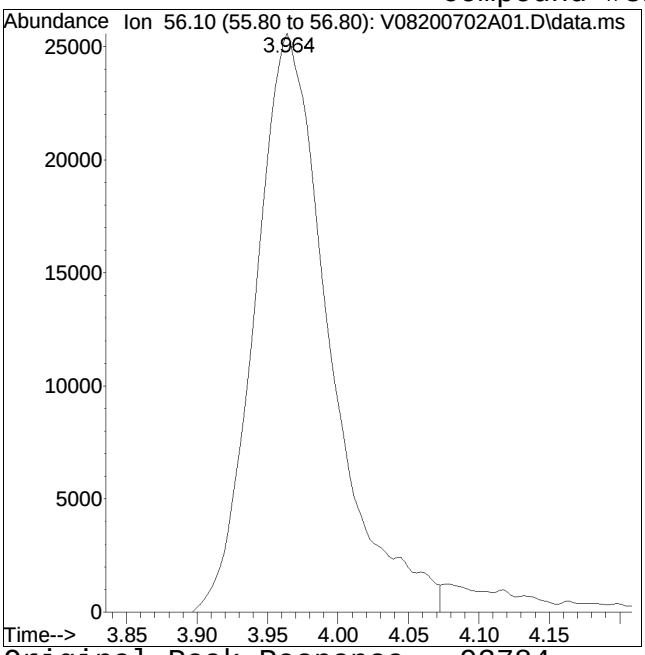


Original Peak Response = 24376 Manual Peak Response = 26559 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

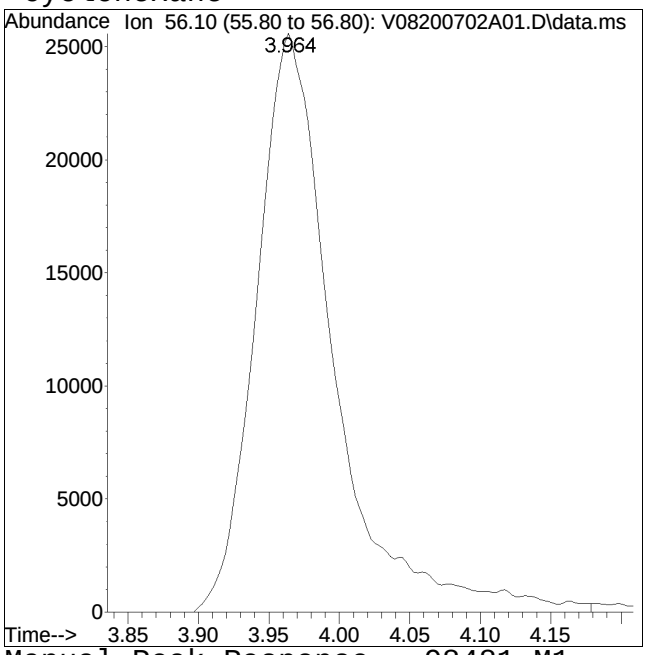
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200702A01.D Operator : VOA108:PD
Date Inj'd : 7/2/2020 6:58 am Instrument : VOA 108
Sample : WG1388512-2 Quant Date : 7/2/2020 7:34 am

Compound #31: Cyclohexane



Original Peak Response = 93784



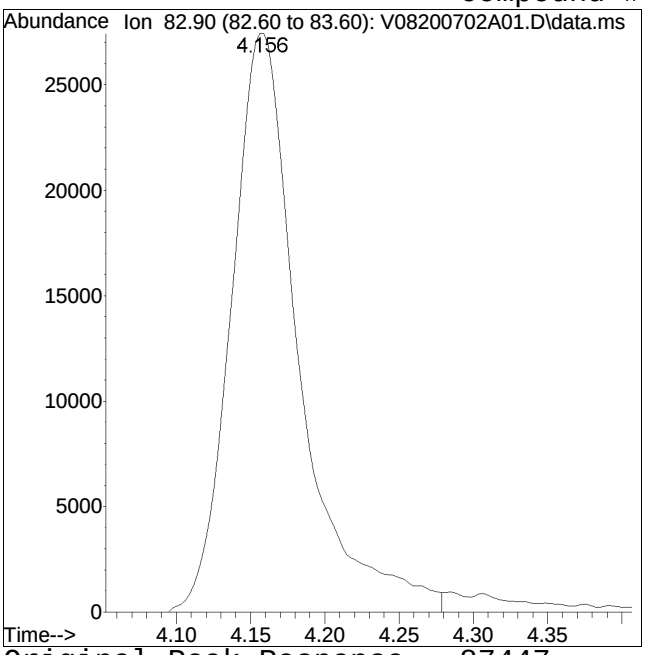
Manual Peak Response = 98481 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

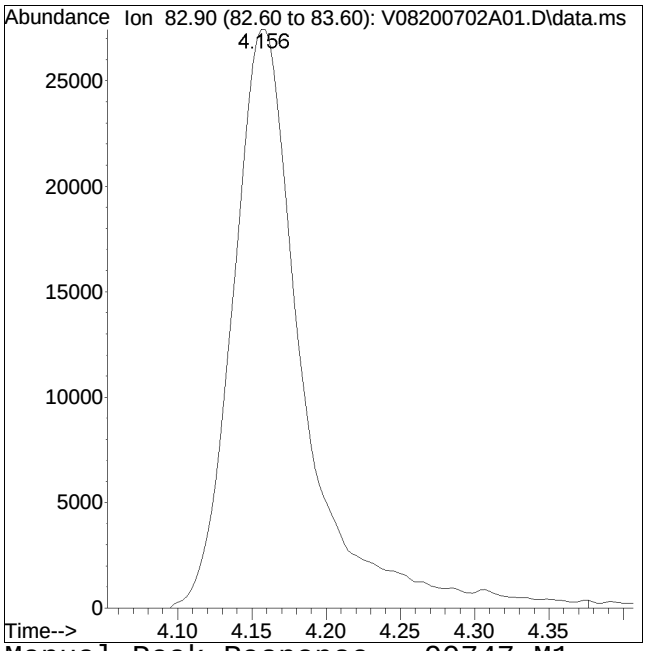
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200702A01.D Operator : VOA108:PD
Date Inj'd : 7/2/2020 6:58 am Instrument : VOA 108
Sample : WG1388512-2 Quant Date : 7/2/2020 7:34 am

Compound #32: Chloroform



Original Peak Response = 87447



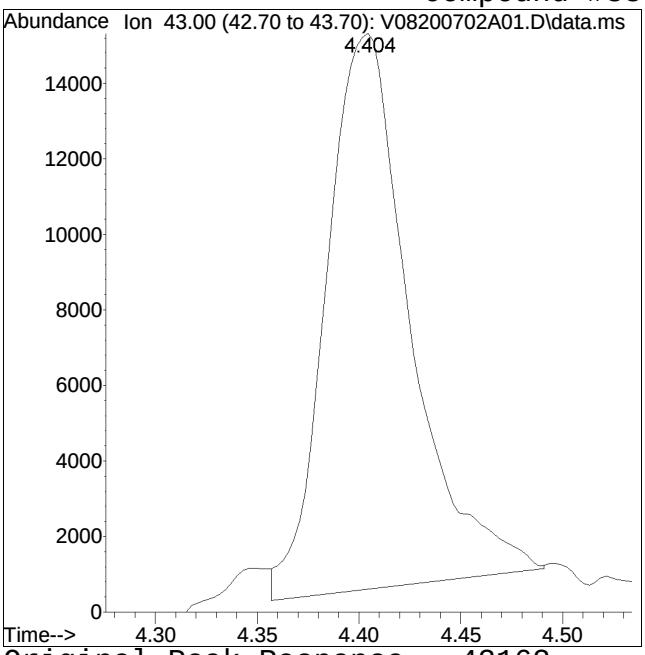
Manual Peak Response = 90747 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

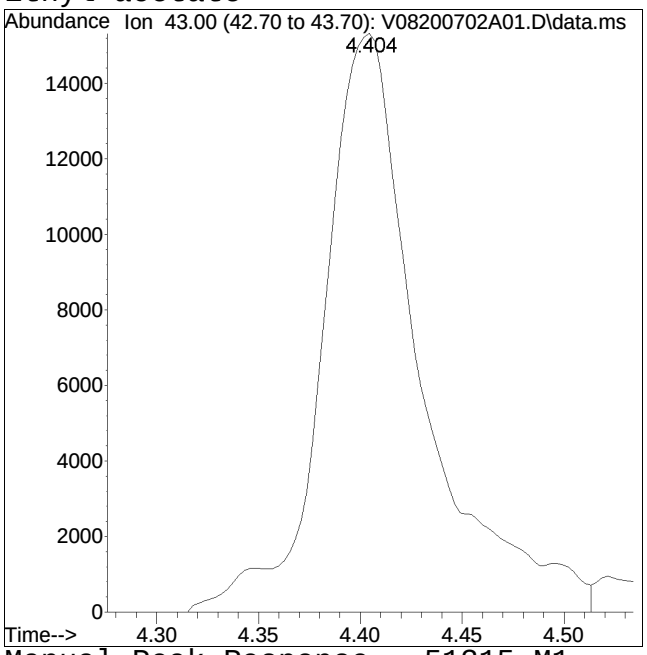
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200702A01.D Operator : VOA108:PD
Date Inj'd : 7/2/2020 6:58 am Instrument : VOA 108
Sample : WG1388512-2 Quant Date : 7/2/2020 7:34 am

Compound #33: Ethyl acetate



Original Peak Response = 42162



Manual Peak Response = 51315 M1

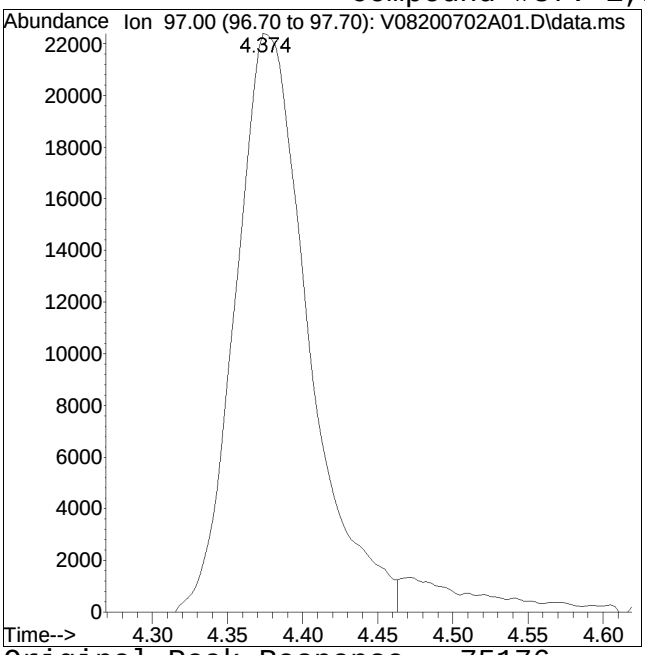
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

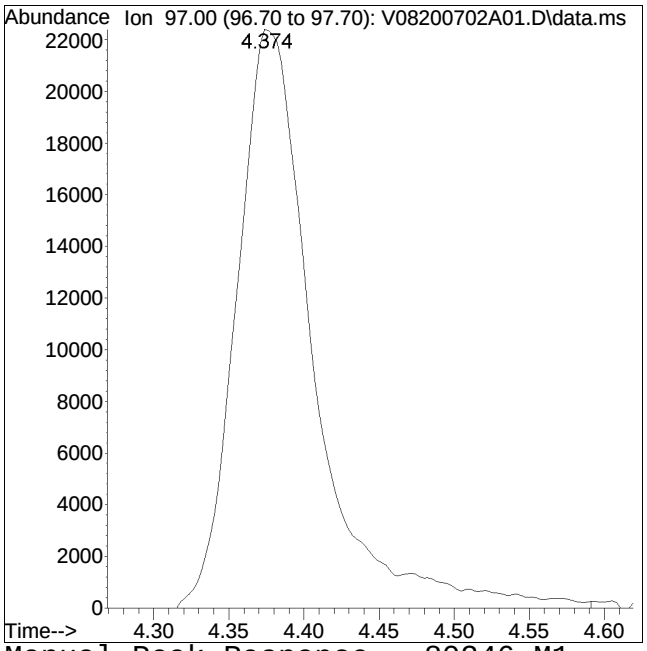
Data Path : I:\VOLATILES\VOA108\2020\2Q
Data File : V08200702A01.D
Date Inj'd : 7/2/2020 6:58 am
Sample : WG1388512-2

Method : V108_200623N_8260.m
Operator : VOA108:PD
Instrument : VOA 108
Quant Date : 7/2/2020 7:34 am

Compound #37: 1,1,1-Trichloroethane



Original Peak Response = 75176



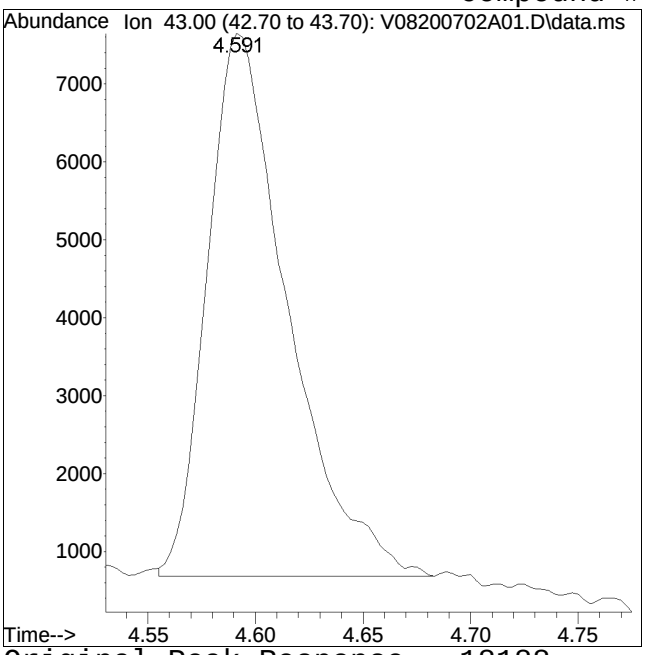
Manual Peak Response = 80246 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

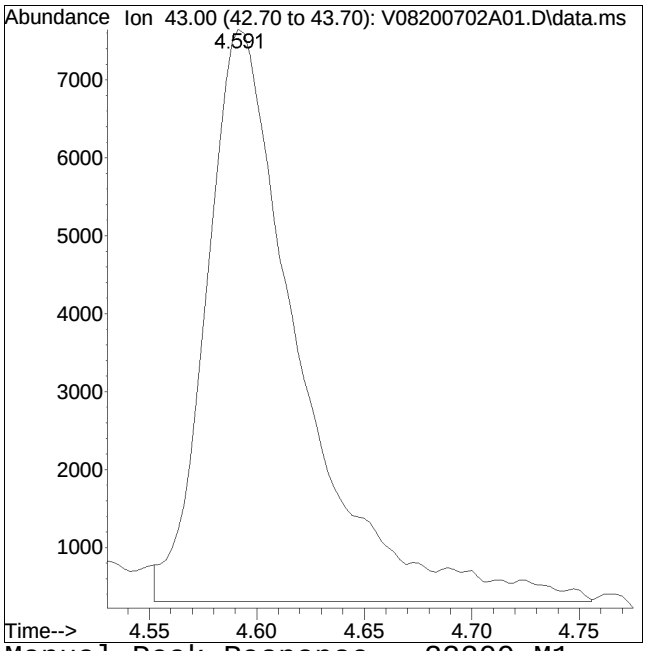
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200702A01.D Operator : VOA108:PD
Date Inj'd : 7/2/2020 6:58 am Instrument : VOA 108
Sample : WG1388512-2 Quant Date : 7/2/2020 7:34 am

Compound #39: 2-Butanone



Original Peak Response = 18188



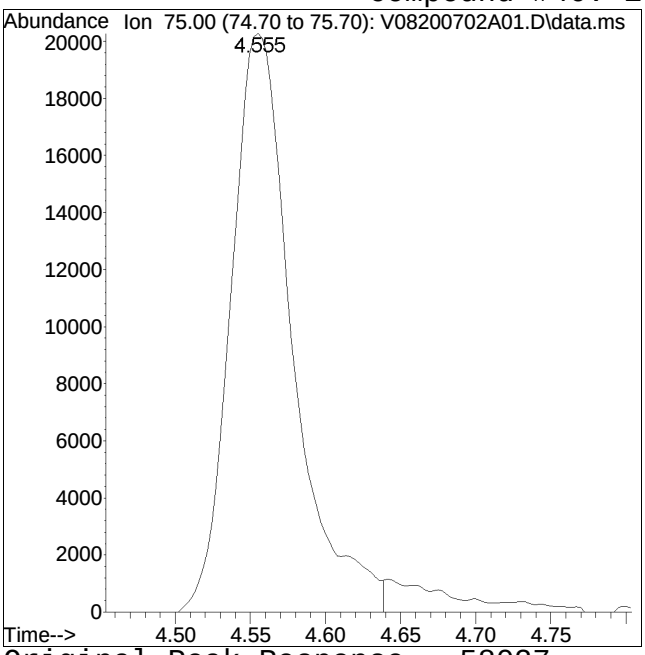
Manual Peak Response = 22200 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

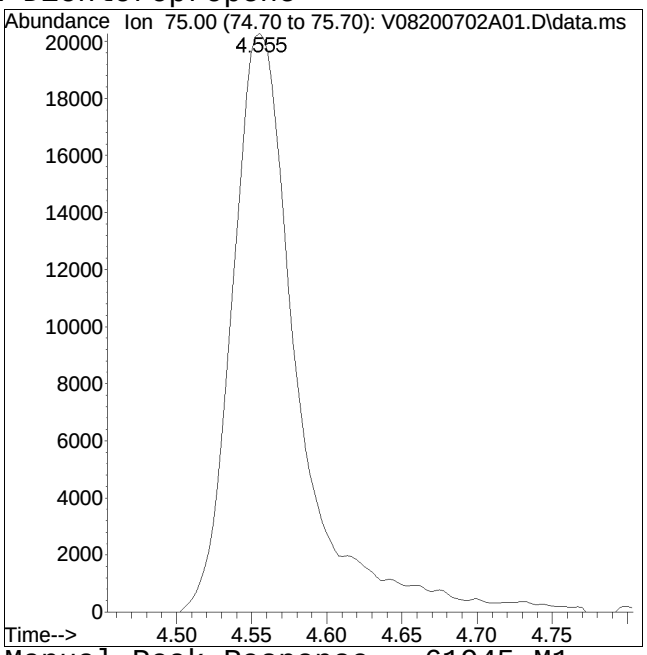
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200702A01.D Operator : VOA108:PD
Date Inj'd : 7/2/2020 6:58 am Instrument : VOA 108
Sample : WG1388512-2 Quant Date : 7/2/2020 7:34 am

Compound #40: 1,1-Dichloropropene



Original Peak Response = 58027



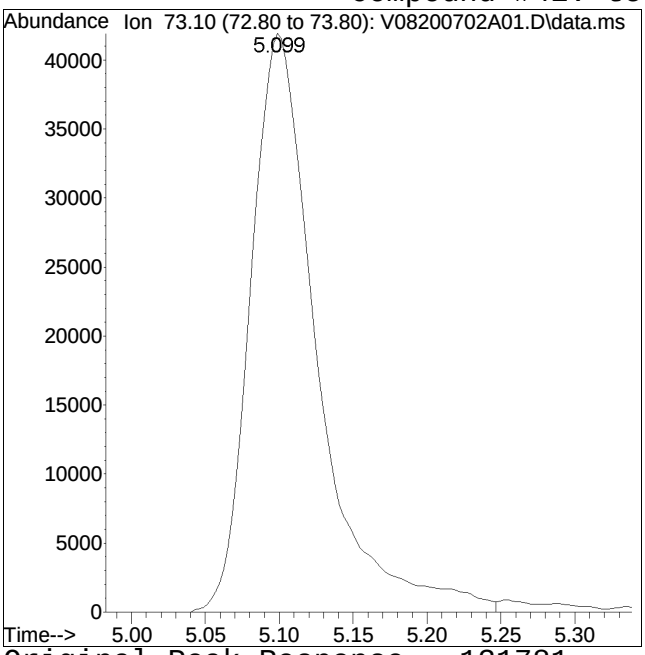
Manual Peak Response = 61945 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

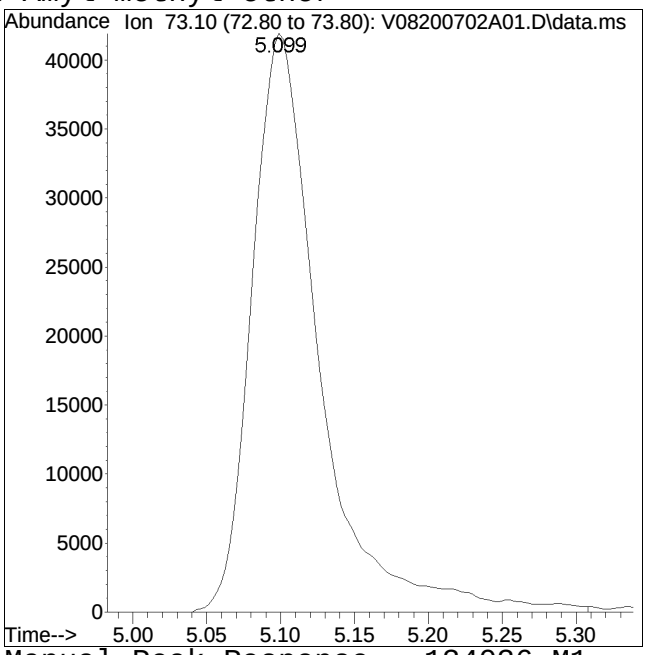
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200702A01.D Operator : VOA108:PD
Date Inj'd : 7/2/2020 6:58 am Instrument : VOA 108
Sample : WG1388512-2 Quant Date : 7/2/2020 7:34 am

Compound #42: tert-Amyl methyl ether



Original Peak Response = 131781



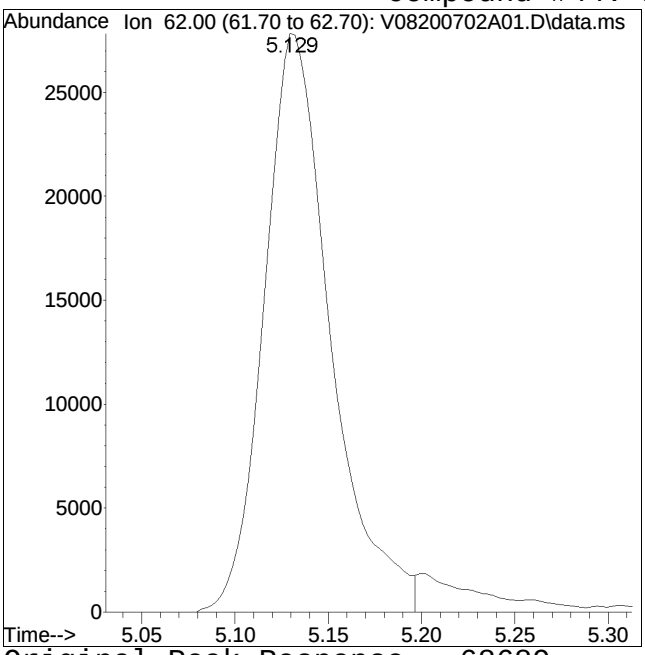
Manual Peak Response = 134036 M1

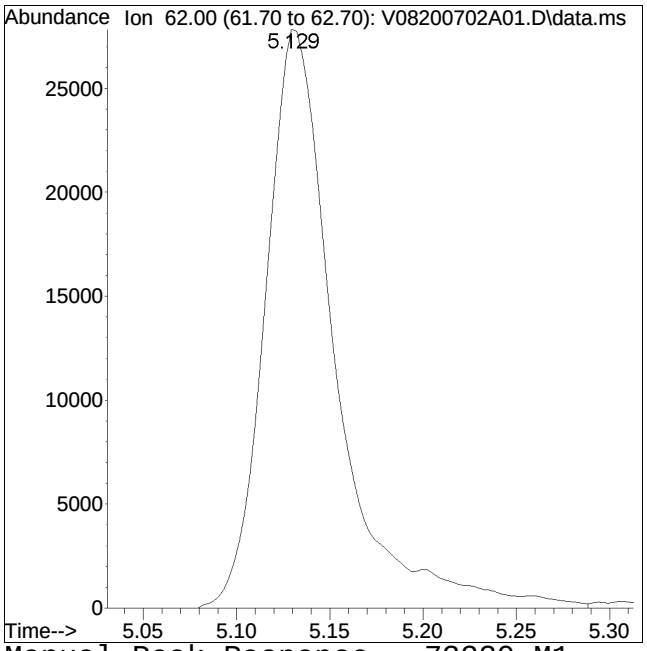
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200702A01.D Operator : VOA108:PD
Date Inj'd : 7/2/2020 6:58 am Instrument : VOA 108
Sample : WG1388512-2 Quant Date : 7/2/2020 7:34 am

Compound #44: 1,2-Dichloroethane



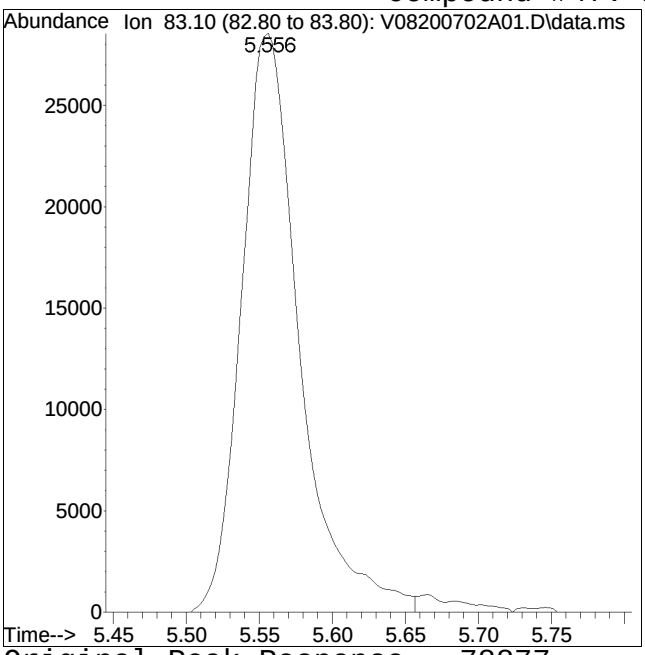


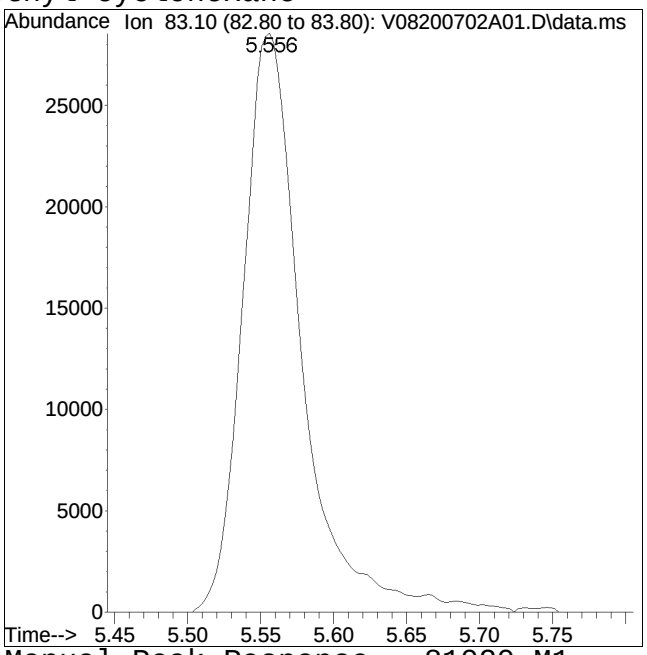
Original Peak Response = 68689 Manual Peak Response = 73230 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200702A01.D Operator : VOA108:PD
Date Inj'd : 7/2/2020 6:58 am Instrument : VOA 108
Sample : WG1388512-2 Quant Date : 7/2/2020 7:34 am

Compound #47: Methyl cyclohexane



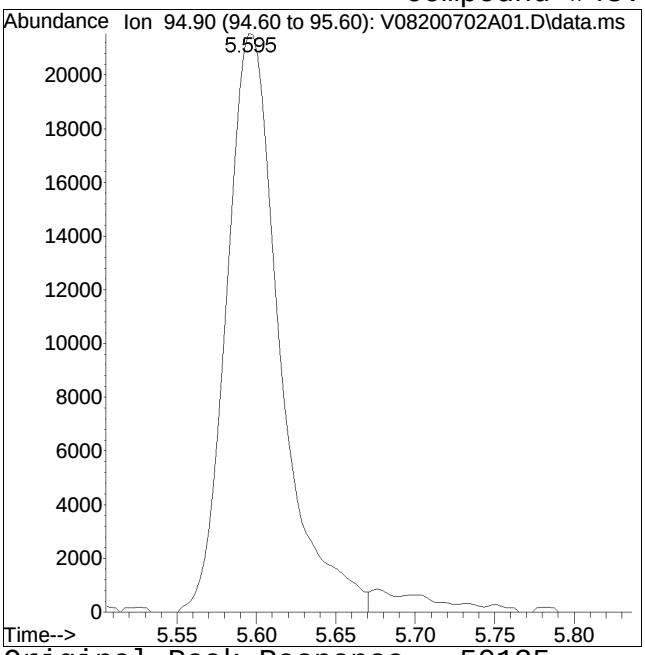


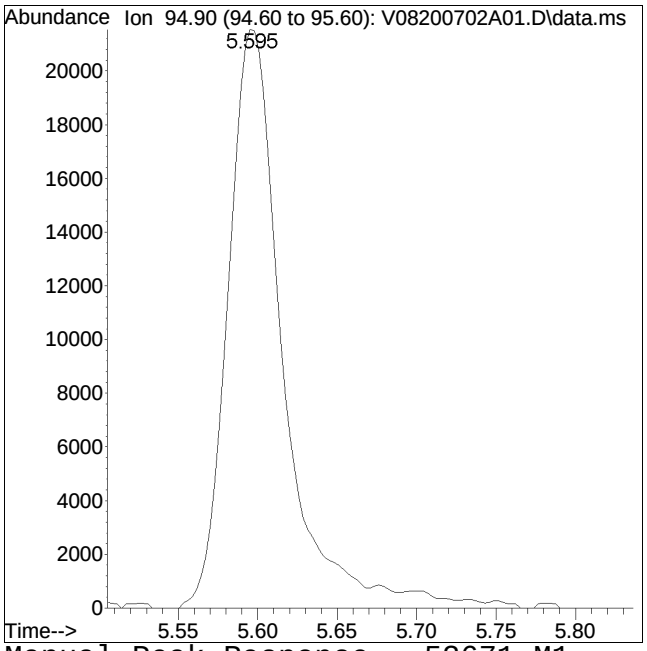
Original Peak Response = 78877 Manual Peak Response = 81020 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200702A01.D Operator : VOA108:PD
Date Inj'd : 7/2/2020 6:58 am Instrument : VOA 108
Sample : WG1388512-2 Quant Date : 7/2/2020 7:34 am

Compound #48: Trichloroethene



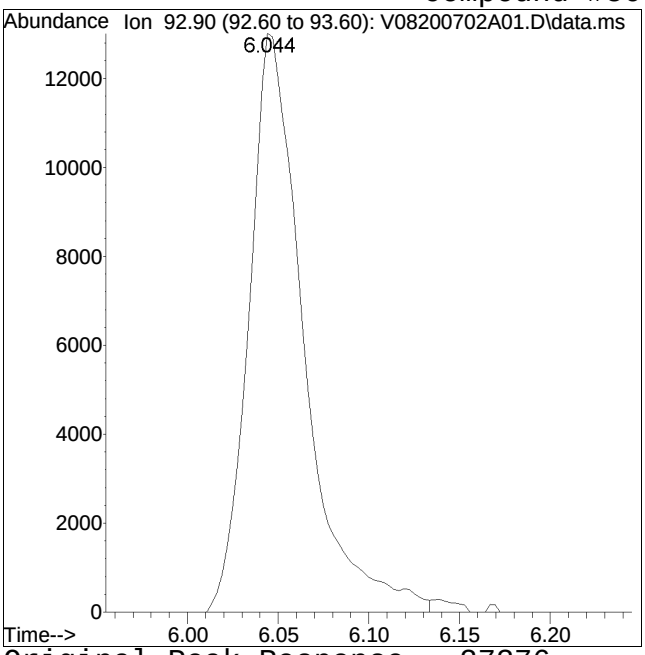


Original Peak Response = 50135 Manual Peak Response = 52671 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

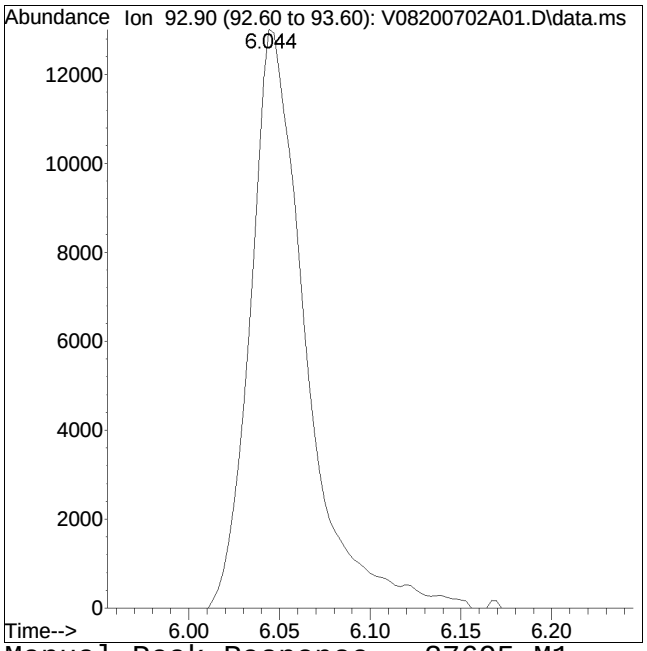
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200702A01.D Operator : VOA108:PD
Date Inj'd : 7/2/2020 6:58 am Instrument : VOA 108
Sample : WG1388512-2 Quant Date : 7/2/2020 7:34 am

Compound #50: Dibromomethane



Original Peak Response = 27376



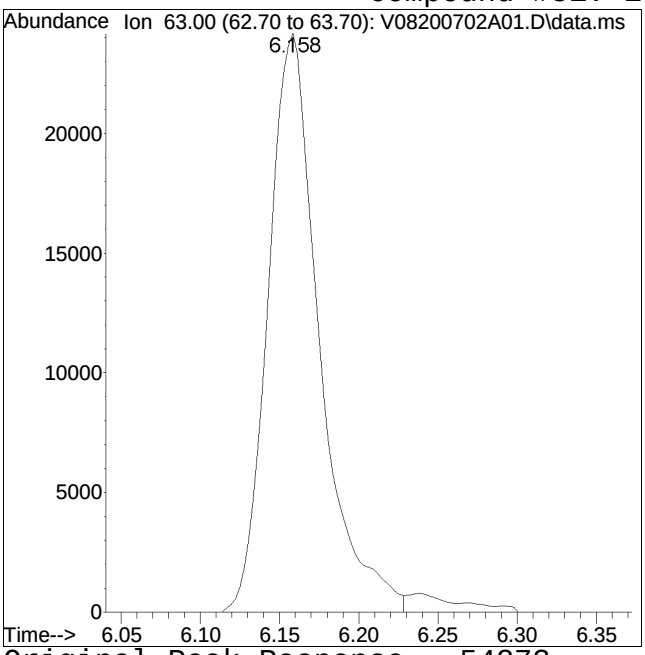
Manual Peak Response = 27695 M1

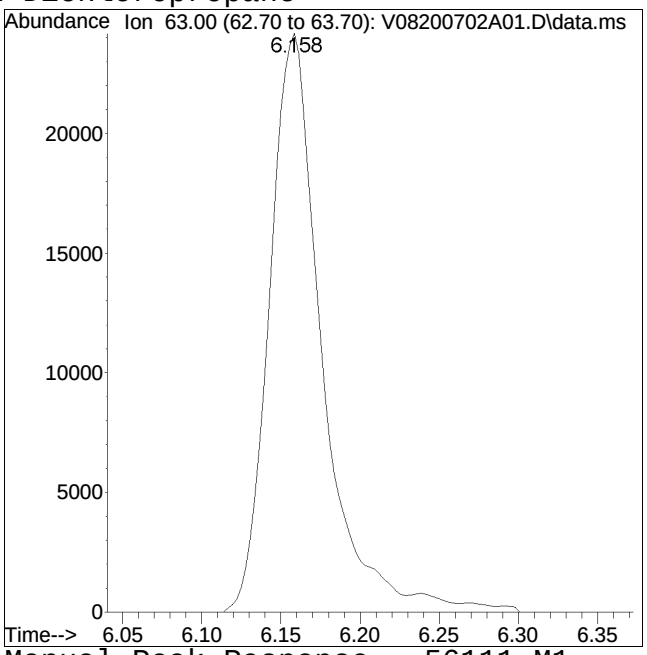
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200702A01.D Operator : VOA108:PD
Date Inj'd : 7/2/2020 6:58 am Instrument : VOA 108
Sample : WG1388512-2 Quant Date : 7/2/2020 7:34 am

Compound #51: 1,2-Dichloropropane



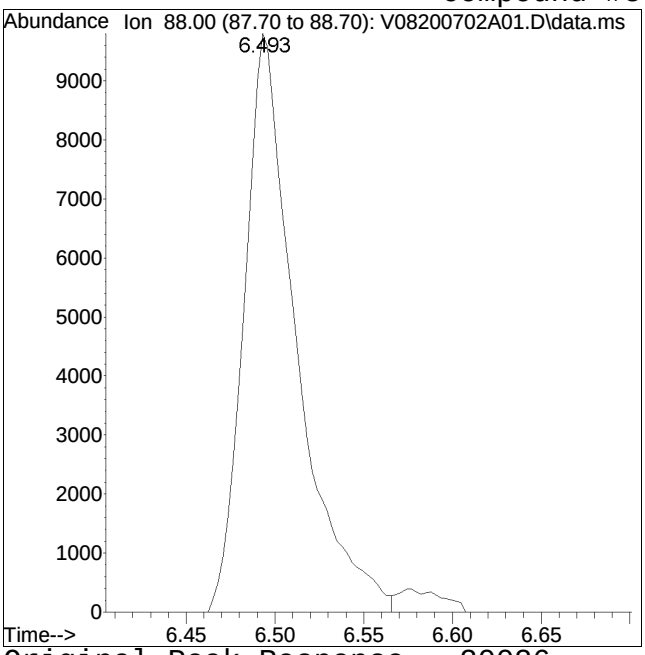


Original Peak Response = 54273 Manual Peak Response = 56111 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

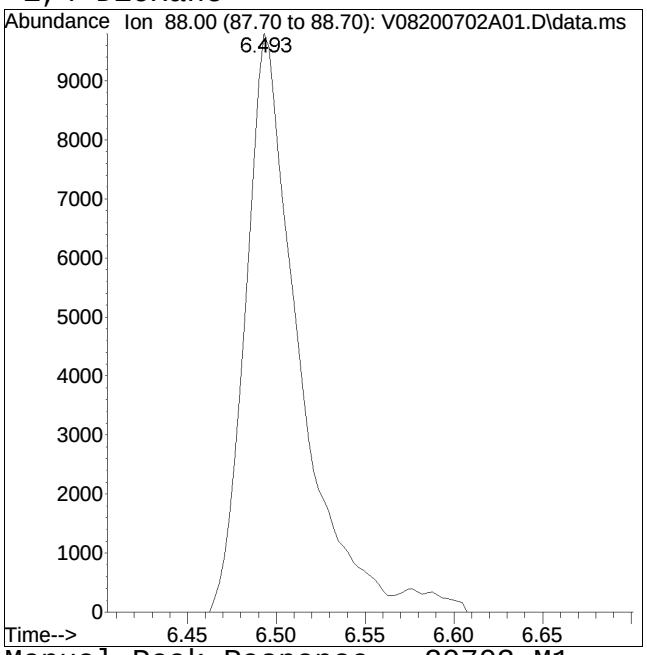
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200702A01.D Operator : VOA108:PD
Date Inj'd : 7/2/2020 6:58 am Instrument : VOA 108
Sample : WG1388512-2 Quant Date : 7/2/2020 7:34 am

Compound #57: 1,4-Dioxane



Original Peak Response = 20026



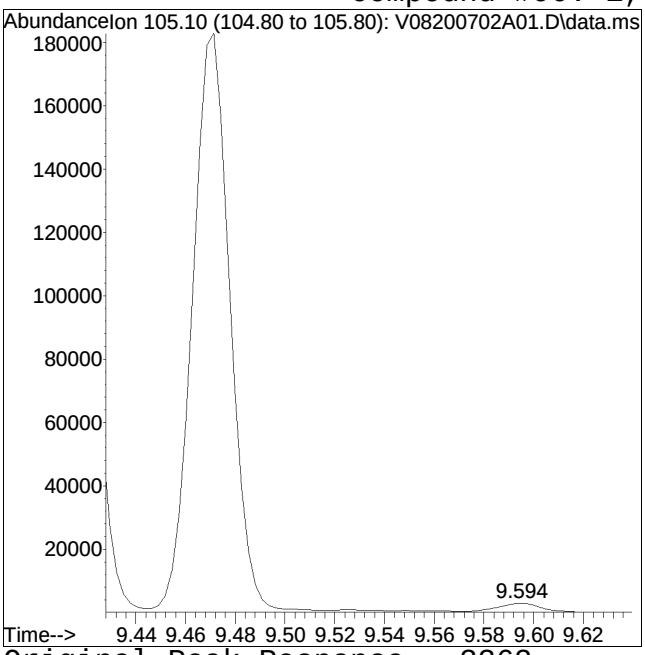
Manual Peak Response = 20703 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

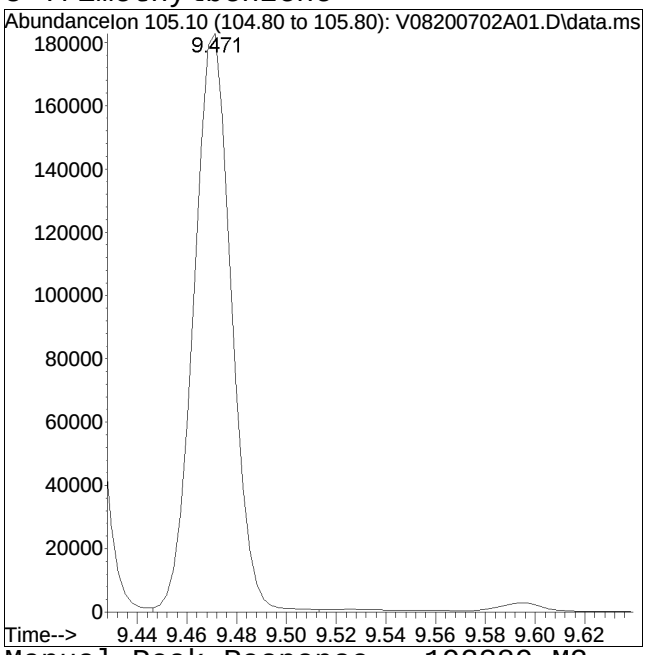
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200702A01.D Operator : VOA108:PD
Date Inj'd : 7/2/2020 6:58 am Instrument : VOA 108
Sample : WG1388512-2 Quant Date : 7/2/2020 7:34 am

Compound #90: 1,3,5-Trimethylbenzene



Original Peak Response = 3362



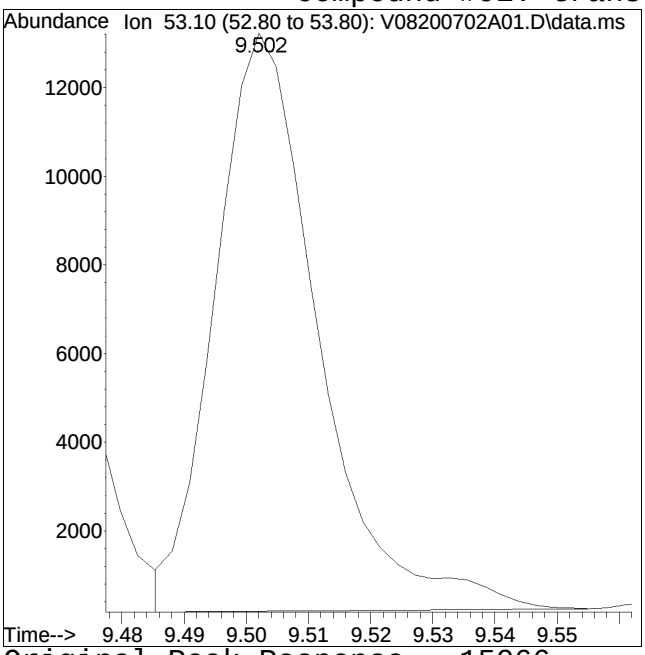
Manual Peak Response = 192389 M2

M2 = Peak not found by automatic integration algorithm.

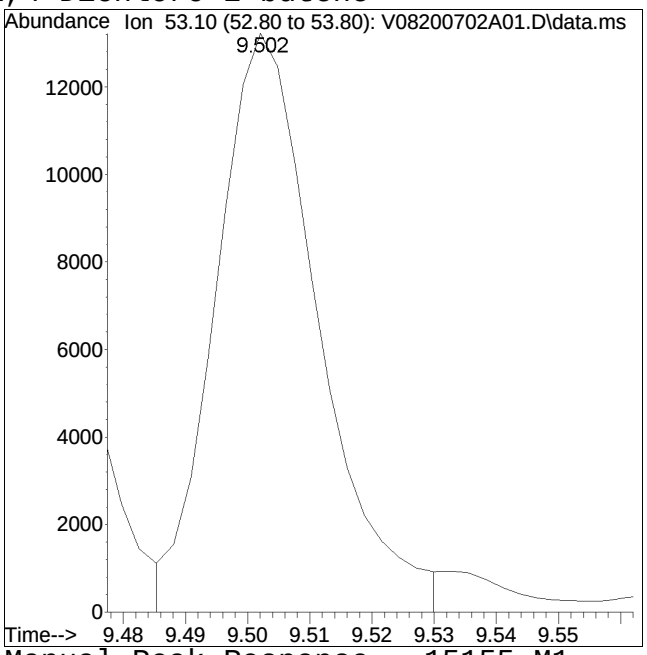
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200702A01.D Operator : VOA108:PD
Date Inj'd : 7/2/2020 6:58 am Instrument : VOA 108
Sample : WG1388512-2 Quant Date : 7/2/2020 7:34 am

Compound #92: trans-1,4-Dichloro-2-butene



Original Peak Response = 15066



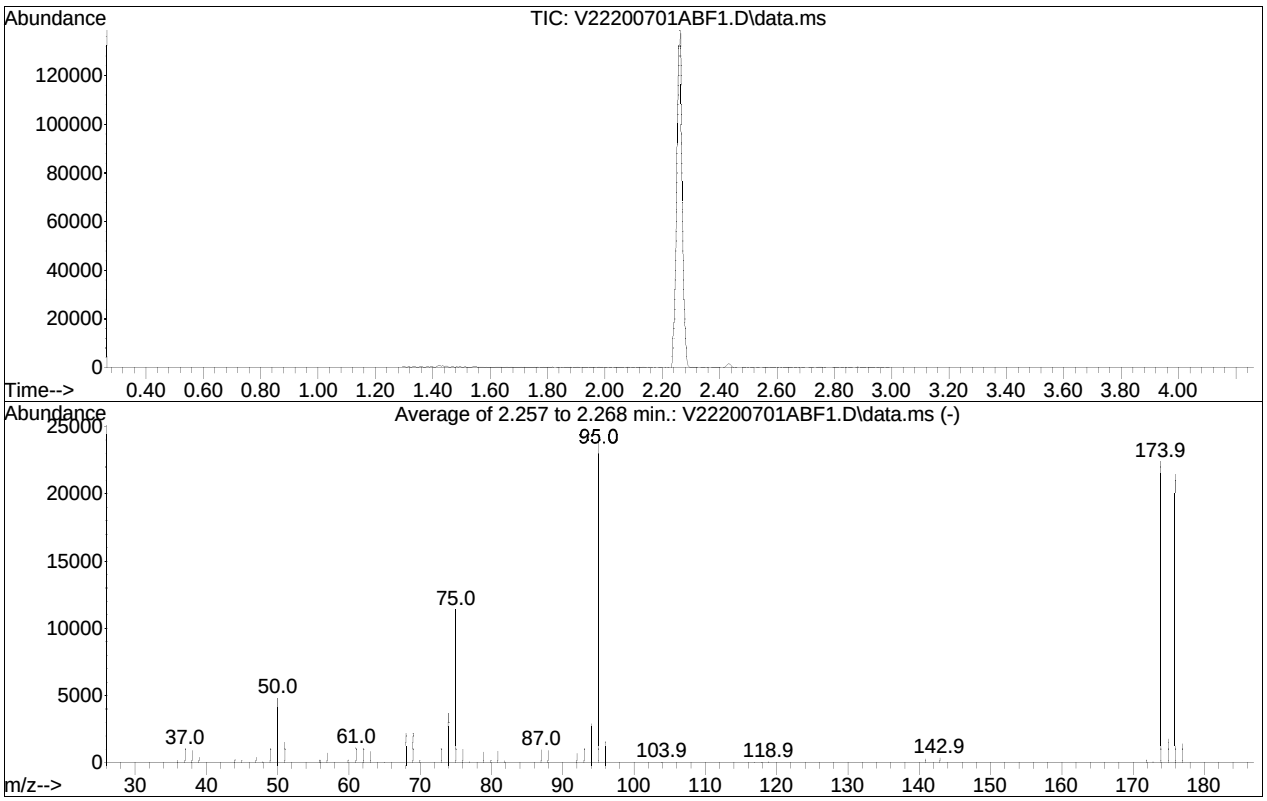
Manual Peak Response = 15155 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Data Path : I:\VOLATILES\VOA122\2020\200701A\
Data File : V22200701ABF1.D
Acq On : 01 Jul 2020 08:31 am
Operator : VOA122:PD
Sample : WG1388388-1
Misc : WG1388388
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\VOLATILES\VOA122\2020\200701A\V122_200617N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Thu Jun 18 17:18:38 2020



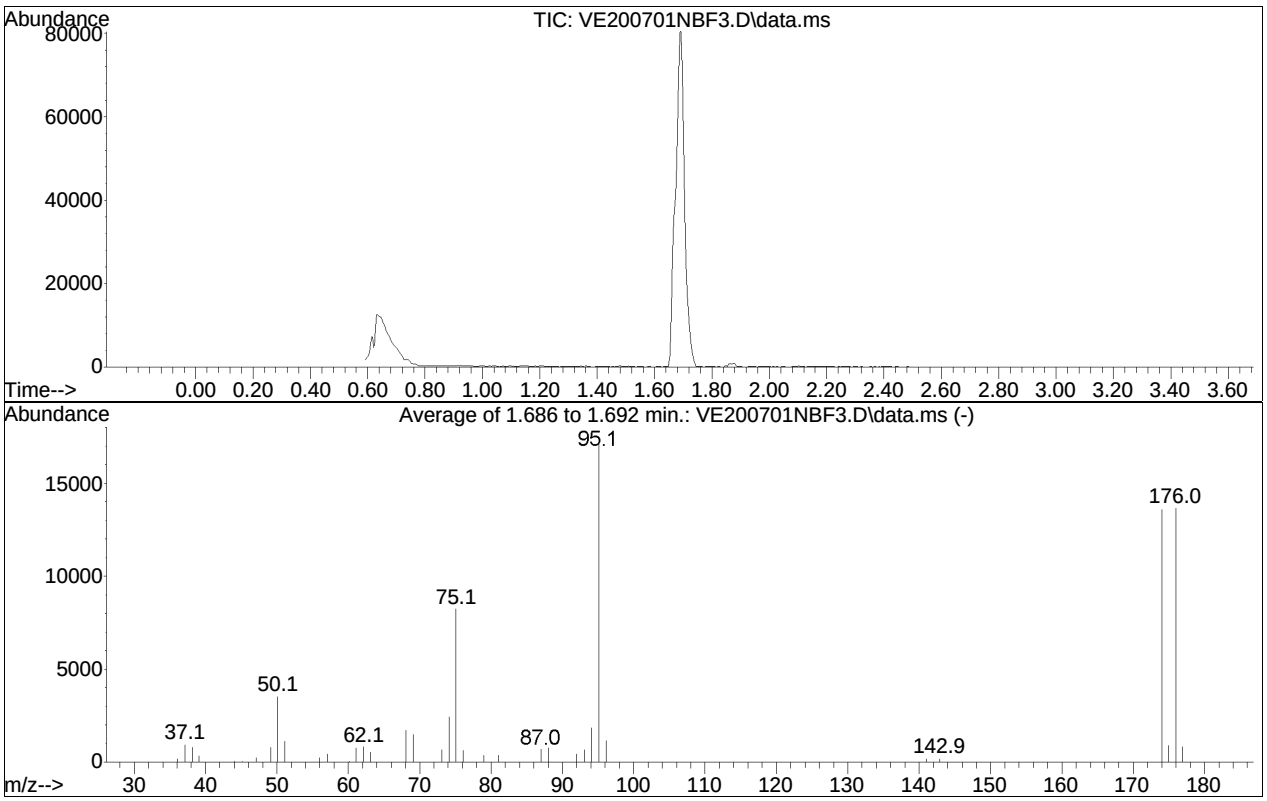
AutoFind: Scans 185, 186, 187; Background Corrected with Scan 178

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.1	4795	PASS
75	95	30	60	47.6	11367	PASS
95	95	100	100	100.0	23901	PASS
96	95	5	9	6.8	1629	PASS
173	174	0.00	2	0.4	86	PASS
174	95	50	100	93.6	22381	PASS
175	174	5	9	8.0	1790	PASS
176	174	95	101	95.8	21443	PASS
177	176	5	9	6.6	1411	PASS

Data Path : I:\VOLATILES\Elaine\2020\200701N\
Data File : VE200701NBF3.D
Acq On : 1 Jul 2020 4:56 pm
Operator : ELAINE:PD
Sample : WG1388497-1
Misc : WG1388497
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\VOLATILES\Elaine\2020\200701N\Elaine_200602N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Wed Jun 03 14:54:28 2020



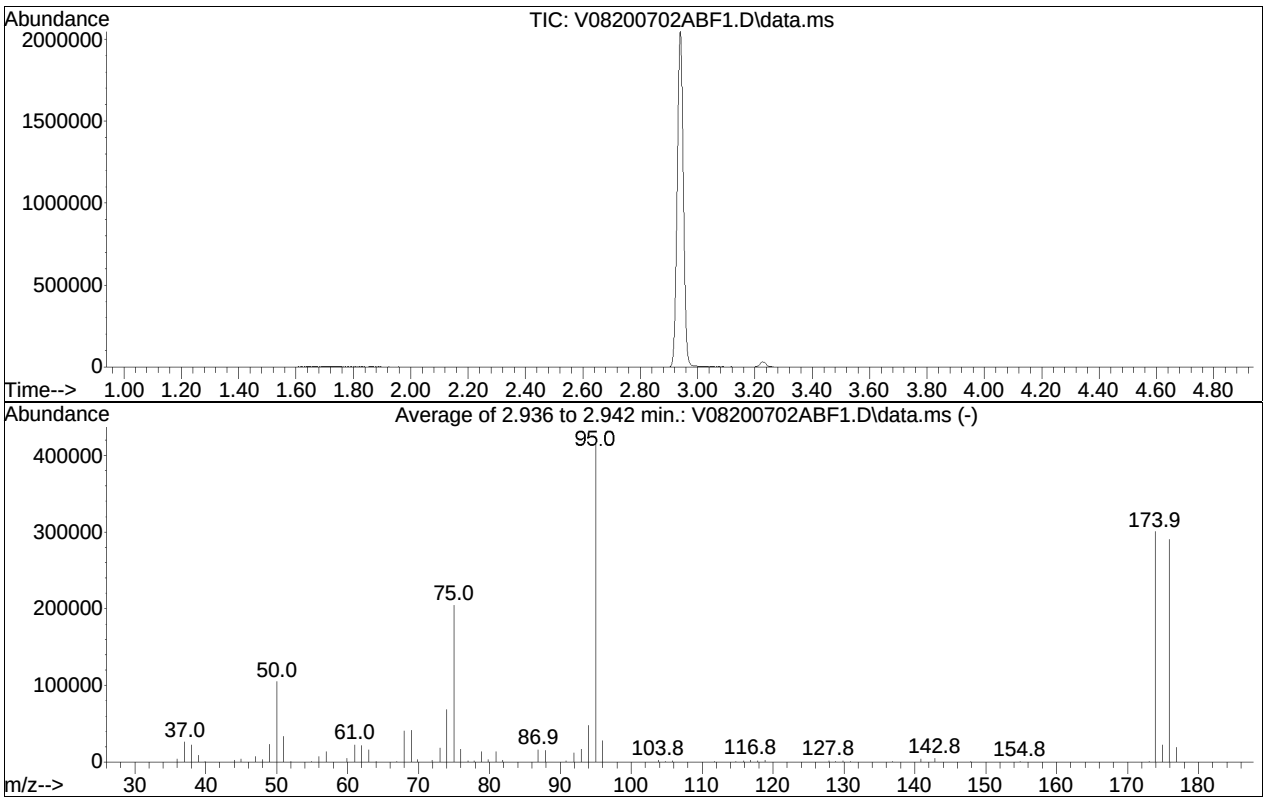
AutoFind: Scans 394, 395, 396; Background Corrected with Scan 378

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.4	3512	PASS
75	95	30	60	48.0	8239	PASS
95	95	100	100	100.0	17181	PASS
96	95	5	9	6.9	1177	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	79.0	13579	PASS
175	174	5	9	6.7	911	PASS
176	174	95	101	100.7	13668	PASS
177	176	5	9	6.2	842	PASS

Data Path : I:\VOLATILES\VOA108\2020\200702A\
Data File : V08200702ABF1.D
Acq On : 2 Jul 2020 6:43 am
Operator : VOA108:PD
Sample : WG1388512-1
Misc : WG1388512
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\VOLATILES\VOA108\2020\200702A\V108_200623N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Wed Jun 24 10:26:22 2020



AutoFind: Scans 478, 479, 480; Background Corrected with Scan 462

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	25.2	104941	PASS
75	95	30	60	49.2	204821	PASS
95	95	100	100	100.0	416512	PASS
96	95	5	9	6.7	27960	PASS
173	174	0.00	2	0.3	1035	PASS
174	95	50	100	72.1	300352	PASS
175	174	5	9	7.5	22477	PASS
176	174	95	101	96.6	290219	PASS
177	176	5	9	6.7	19381	PASS

Volatiles Raw QC Data

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2020\200701A\
Data File : V22200701A05.D
Acq On : 01 Jul 2020 10:24 am
Operator : VOA122:PD
Sample : WG1388388-5,31,10,10
Misc : WG1388388,ICAL16903
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 01 10:46:38 2020
Quant Method : I:\VOLATILES\VOA122\2020\200701A\V122_200617N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jun 18 17:18:38 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2020\200701A\V22200701A01.D
Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.784	96	188448	10.000	ug/L	0.00
Standard Area 1 = 180591			Recovery = 104.35%			
62) Chlorobenzene-d5	9.306	117	160401	10.000	ug/L	0.00
Standard Area 1 = 157975			Recovery = 101.54%			
83) 1,4-Dichlorobenzene-d4	12.059	152	77946	10.000	ug/L	0.00
Standard Area 1 = 82999			Recovery = 93.91%			
System Monitoring Compounds						
38) Dibromofluoromethane	4.971	113	56251	10.743	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 107.43%			
46) 1,2-Dichloroethane-d4	5.494	65	51911	10.711	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 107.11%			
63) Toluene-d8	7.464	98	209981	9.488	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.88%			
87) 4-Bromofluorobenzene	10.827	95	65995	8.905	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 89.05%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	0.000		0	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	0.000		0	N.D.		
6) Chloroethane	0.000		0	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	2.802	76	671	0.073	ug/L #	73
12) Freon-113	0.000		0	N.D.		
15) Methylene chloride	0.000		0	N.D.		
17) Acetone	0.000		0	N.D.		
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
19) Methyl acetate	0.000		0	N.D.		
21) Methyl tert-butyl ether	0.000		0	N.D.		
25) 1,1-Dichloroethane	0.000		0	N.D.		
30) cis-1,2-Dichloroethene	0.000		0	N.D.		
32) Bromochloromethane	0.000		0	N.D.		
33) Cyclohexane	0.000		0	N.D.		
34) Chloroform	0.000		0	N.D.		
36) Carbon tetrachloride	0.000		0	N.D.		

Data Path : I:\VOLATILES\VOA122\2020\200701A\
Data File : V22200701A05.D
Acq On : 01 Jul 2020 10:24 am
Operator : VOA122:PD
Sample : WG1388388-5,31,10,10
Misc : WG1388388,ICAL16903
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 01 10:46:38 2020
Quant Method : I:\VOLATILES\VOA122\2020\200701A\V122_200617N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jun 18 17:18:38 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2020\200701A\V22200701A01.D
Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) 1,1,1-Trichloroethane	0.000		0	N.D.		
41) 2-Butanone	0.000		0	N.D.		
44) Benzene	0.000		0	N.D.		
47) 1,2-Dichloroethane	0.000		0	N.D.		
50) Methyl cyclohexane	0.000		0	N.D.		
51) Trichloroethene	0.000		0	N.D.		
54) 1,2-Dichloropropane	0.000		0	N.D.		
57) Bromodichloromethane	0.000		0	N.D.		
60) 1,4-Dioxane	0.000		0	N.D.		
61) cis-1,3-Dichloropropene	0.000		0	N.D.		
64) Toluene	0.000		0	N.D.		
65) 4-Methyl-2-pentanone	0.000		0	N.D.		
66) Tetrachloroethene	0.000		0	N.D.		
68) trans-1,3-Dichloropropene	0.000		0	N.D.		
71) 1,1,2-Trichloroethane	0.000		0	N.D.		
72) Chlorodibromomethane	0.000		0	N.D.		
74) 1,2-Dibromoethane	0.000		0	N.D.		
76) 2-Hexanone	0.000		0	N.D.		
77) Chlorobenzene	0.000		0	N.D.		
78) Ethylbenzene	0.000		0	N.D.		
80) p/m Xylene	0.000		0	N.D.		
81) o Xylene	0.000		0	N.D.		
82) Styrene	0.000		0	N.D.		
84) Bromoform	0.000		0	N.D.		
86) Isopropylbenzene	0.000		0	N.D.		
91) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
104) 1,3-Dichlorobenzene	0.000		0	N.D.		
105) 1,4-Dichlorobenzene	0.000		0	N.D.		
108) 1,2-Dichlorobenzene	0.000		0	N.D.		
110) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
113) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
115) 1,2,3-Trichlorobenzene	0.000		0	N.D.	d	

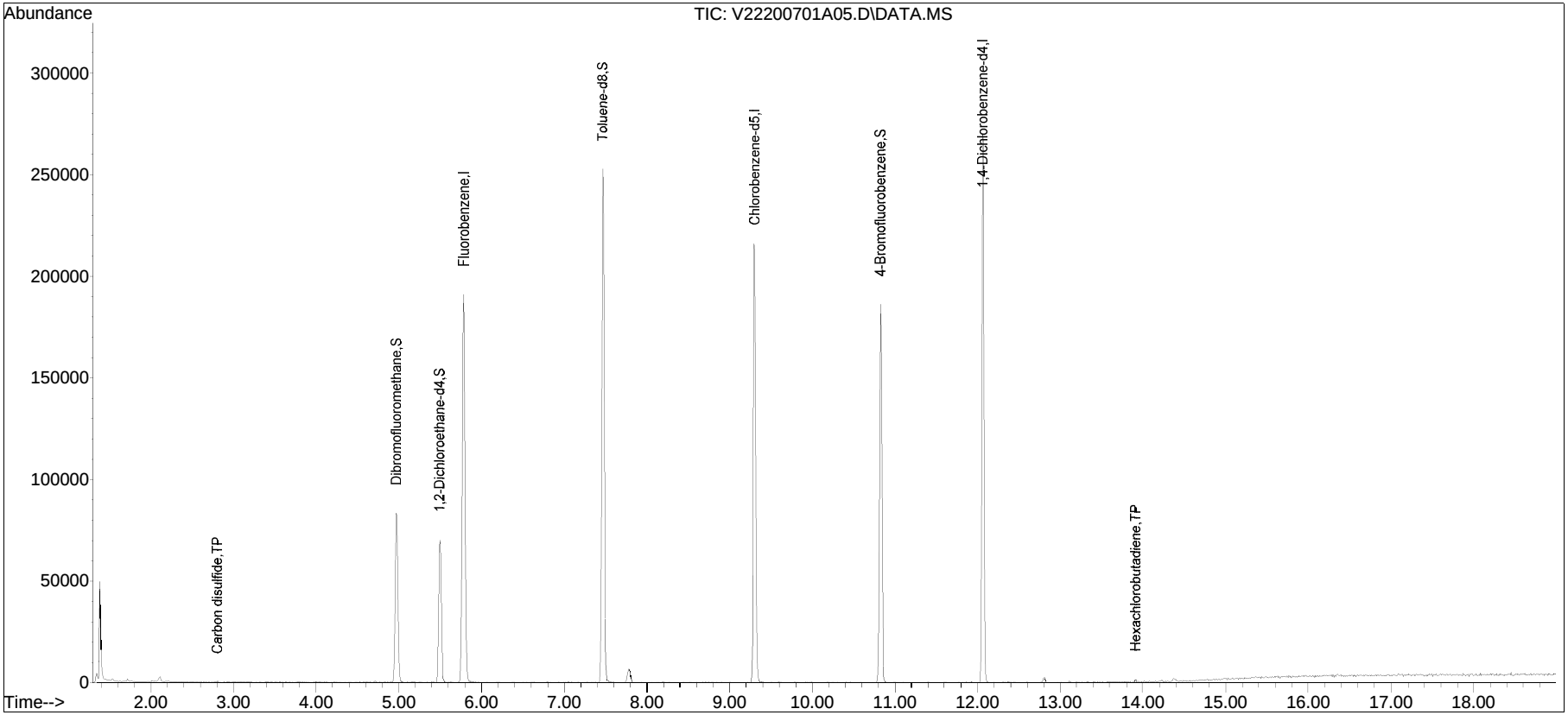
(#) = qualifier out of range (m) = manual integration (+) = signals summed

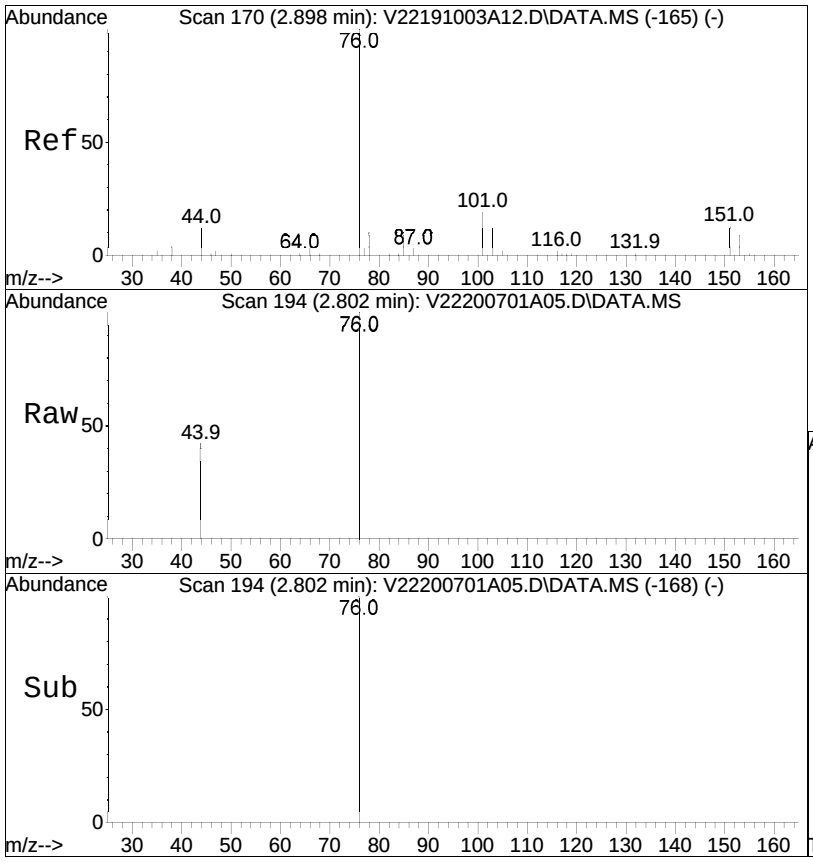
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2020\200701A\
Data File : V22200701A05.D
Acq On : 01 Jul 2020 10:24 am
Operator : VOA122:PD
Sample : WG1388388-5,31,10,10
Misc : WG1388388,ICAL16903
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 01 10:46:38 2020
Quant Method : I:\VOLATILES\VOA122\2020\200701A\V122_200617N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jun 18 17:18:38 2020
Response via : Initial Calibration

Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

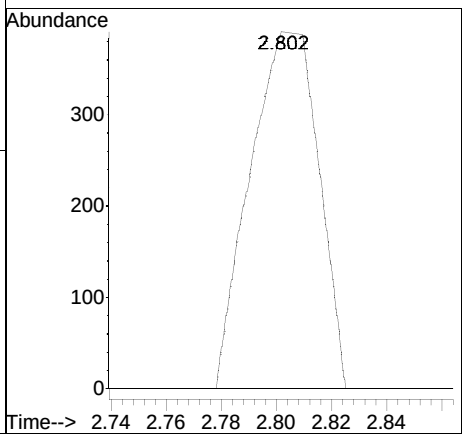




#11
Carbon disulfide
Concen: 0.07 ug/L
RT: 2.802 min Scan# 194
Delta R.T. -0.000 min
Lab File: V22200701A05.D
Acq: 01 Jul 2020 10:24 am

Tgt Ion: 76 Resp: 671

Ion	Ratio	Lower	Upper
76	100		
78	0.0	6.4	13.4#



LSC Area Percent Report

Data Path : I:\VOLATILES\VOA122\2020\200701A\
Data File : V22200701A05.D
Acq On : 01 Jul 2020 10:24 am
Operator : VOA122:PD
Sample : WG1388388-5,31,10,10
Misc : WG1388388,ICAL16903
ALS Vial : 7 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 500 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : I:\VOLATILES\VOA122\2020\200701A\V122_200617N_8260.m
Title : VOLATILES BY GC/MS

Signal : TIC: V22200701A05.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.537	30	32	37	rVB	1265	1905	0.38%	0.076%
2	1.717	46	55	59	rBV2	1325	1955	0.39%	0.078%
3	2.013	92	93	97	rVB2	403	614	0.12%	0.024%
4	2.052	97	98	101	rBV	447	524	0.10%	0.021%
5	2.123	101	107	113	rVB3	2352	4486	0.89%	0.179%
6	2.809	188	195	201	rBV2	789	2348	0.46%	0.094%
7	2.887	204	205	210	rBB2	415	716	0.14%	0.029%
8	2.942	210	212	216	rBV2	384	629	0.12%	0.025%
9	3.090	227	231	234	rBV	418	922	0.18%	0.037%
10	3.278	251	255	258	rBB	396	525	0.10%	0.021%
11	3.559	289	291	294	rVB	346	554	0.11%	0.022%
12	3.801	315	322	325	rBV	581	1061	0.21%	0.042%
13	3.879	327	332	333	rBB	376	689	0.14%	0.027%
14	3.972	340	344	345	rBV	404	513	0.10%	0.020%
15	4.097	357	360	362	rBV	381	647	0.13%	0.026%
16	4.121	362	363	368	rVB2	383	706	0.14%	0.028%
17	4.222	373	376	380	rBB2	228	528	0.10%	0.021%
18	4.300	380	386	388	rBB2	351	583	0.12%	0.023%
19	4.604	422	425	431	rBB2	332	710	0.14%	0.028%
20	4.714	436	439	443	rVV	617	940	0.19%	0.037%
21	4.971	462	472	484	rBB	83415	176109	34.82%	7.020%
22	5.190	492	500	502	rBB	363	1051	0.21%	0.042%
23	5.244	502	507	508	rBV	338	569	0.11%	0.023%
24	5.494	533	539	551	rBB	70207	145545	28.78%	5.802%
25	5.629	551	554	558	rBB	319	767	0.15%	0.031%
26	5.784	561	572	587	rBV	191016	386677	76.46%	15.414%
27	7.349	748	753	755	rBB	346	664	0.13%	0.026%
28	7.464	759	765	781	rBB	252847	505700	100.00%	20.158%

LSC Area Percent Report

Data Path : I:\VOLATILES\VOA122\2020\200701A\
Data File : V22200701A05.D
Acq On : 01 Jul 2020 10:24 am
Operator : VOA122:PD
Sample : WG1388388-5,31,10,10
Misc : WG1388388,ICAL16903
ALS Vial : 7 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 500 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : I:\VOLATILES\VOA122\2020\200701A\V122_200617N_8260.m
Title : VOLATILES BY GC/MS

29	7.784	796	806	816	rBB2	6431	17384	3.44%	0.693%
30	8.128	846	850	855	rBB	233	528	0.10%	0.021%
31	8.533	897	902	904	rBB	332	525	0.10%	0.021%
32	8.900	946	949	955	rBB	399	668	0.13%	0.027%
33	9.119	970	977	979	rBB	211	527	0.10%	0.021%
34	9.298	993	1000	1017	rBB	216181	439861	86.98%	17.534%
35	9.509	1023	1027	1030	rVB	328	517	0.10%	0.021%
36	9.922	1076	1080	1083	rBB	363	572	0.11%	0.023%
37	10.461	1145	1149	1152	rBB	388	505	0.10%	0.020%
38	10.827	1188	1194	1206	rBB	186284	329157	65.09%	13.121%
39	11.772	1308	1315	1318	rBB	243	556	0.11%	0.022%
40	11.927	1330	1333	1338	rBB	604	969	0.19%	0.039%
41	12.059	1339	1352	1366	rBB	270557	432308	85.49%	17.233%
42	12.365	1394	1396	1399	rVB	694	733	0.14%	0.029%
43	12.804	1453	1459	1465	rBB	2361	4305	0.85%	0.172%
44	13.110	1497	1503	1507	rBV	648	1161	0.23%	0.046%
45	13.200	1513	1516	1522	rBB	358	507	0.10%	0.020%
46	13.326	1532	1534	1538	rBV	557	802	0.16%	0.032%
47	13.402	1544	1545	1550	rBB	390	607	0.12%	0.024%
48	13.562	1563	1568	1570	rBB	574	600	0.12%	0.024%
49	13.625	1574	1577	1582	rVB2	373	675	0.13%	0.027%
50	13.757	1592	1596	1598	rVB	405	657	0.13%	0.026%
51	13.813	1601	1604	1607	rVB	371	607	0.12%	0.024%
52	13.910	1613	1618	1622	rBV2	1655	2643	0.52%	0.105%
53	14.022	1632	1634	1638	rBV	630	603	0.12%	0.024%
54	14.084	1640	1643	1645	rBB2	631	581	0.11%	0.023%
55	14.154	1648	1653	1655	rBV	520	615	0.12%	0.025%
56	14.224	1655	1663	1668	rBV2	970	1916	0.38%	0.076%
57	14.300	1671	1674	1676	rVB	550	536	0.11%	0.021%
58	14.370	1676	1684	1692	rBV4	1728	4818	0.95%	0.192%
59	14.460	1692	1697	1699	rBV2	422	729	0.14%	0.029%
60	14.509	1702	1704	1708	rVB	487	589	0.12%	0.023%

Data Path : I:\VOLATILES\VOA122\2020\200701A\
Data File : V22200701A05.D
Acq On : 01 Jul 2020 10:24 am
Operator : VOA122:PD
Sample : WG1388388-5,31,10,10
Misc : WG1388388,ICAL16903
ALS Vial : 7 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 500 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : I:\VOLATILES\VOA122\2020\200701A\V122_200617N_8260.m
Title : VOLATILES BY GC/MS

61	14.558	1708	1711	1714	rBV2	504	666	0.13%	0.027%
62	14.613	1714	1719	1721	rBV	509	1139	0.23%	0.045%
63	14.718	1726	1734	1737	rBV2	568	2019	0.40%	0.080%
64	14.781	1737	1743	1746	rVV3	810	1158	0.23%	0.046%
65	14.878	1756	1757	1760	rVB2	691	707	0.14%	0.028%
66	14.920	1760	1763	1765	rBV3	661	831	0.16%	0.033%
67	15.003	1768	1775	1777	rVB4	746	1860	0.37%	0.074%
68	15.024	1777	1778	1783	rBV3	907	1084	0.21%	0.043%
69	15.136	1789	1794	1796	rVB5	821	1562	0.31%	0.062%
70	15.163	1796	1798	1799	rBV2	872	756	0.15%	0.030%
71	15.491	1842	1845	1849	rVB2	756	1164	0.23%	0.046%
72	15.678	1869	1872	1873	rBV3	1077	1345	0.27%	0.054%
73	16.354	1966	1969	1972	rBV3	1229	2017	0.40%	0.080%
74	17.307	2104	2106	2109	rBV3	758	962	0.19%	0.038%
75	17.871	2185	2187	2192	rVB3	1295	1793	0.35%	0.071%
76	17.983	2198	2203	2206	rBV5	1419	3160	0.62%	0.126%

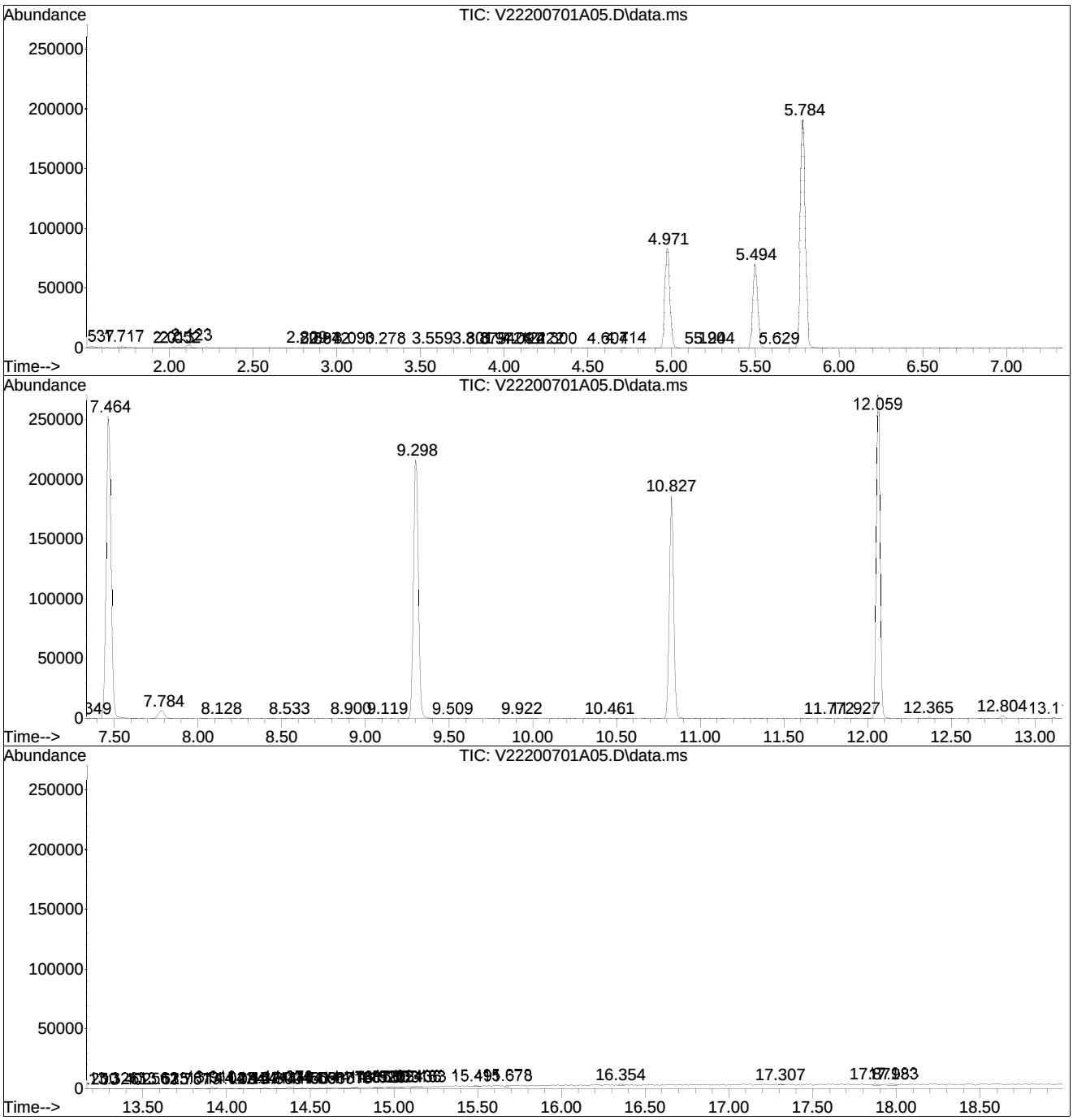
Sum of corrected areas: 2508621

LSC Report - Integrated Chromatogram

Data Path : I:\VOLATILES\VOA122\2020\200701A\
Data File : V22200701A05.D
Acq On : 01 Jul 2020 10:24 am
Operator : VOA122:PD
Sample : WG1388388-5,31,10,10
Misc : WG1388388,ICAL16903
ALS Vial : 7 Sample Multiplier: 1

Quant Method : I:\VOLATILES\VOA122\2020\200701A\V122_200617N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p



Library Search Compound Report

Data Path : I:\VOLATILES\VOA122\2020\200701A\
Data File : V22200701A05.D
Acq On : 01 Jul 2020 10:24 am
Operator : VOA122:PD
Sample : WG1388388-5,31,10,10
Misc : WG1388388,ICAL16903
ALS Vial : 7 Sample Multiplier: 1

Quant Method : I:\VOLATILES\VOA122\2020\200701A\V122_200617N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : I:\VOLATILES\VOA122\2020\200701A\
Data File : V22200701A05.D
Acq On : 01 Jul 2020 10:24 am
Operator : VOA122:PD
Sample : WG1388388-5,31,10,10
Misc : WG1388388,ICAL16903
ALS Vial : 7 Sample Multiplier: 1

Quant Method : I:\VOLATILES\VOA122\2020\200701A\V122_200617N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2020\200701N\
Data File : VE200701N05.D
Acq On : 1 Jul 2020 6:40 pm
Operator : ELAINE:TMS
Sample : WG1388497-5,31,10,10
Misc : WG1388497,ICAL16849
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 01 21:25:52 2020
Quant Method : I:\VOLATILES\Elaine\2020\200701N\Elaine_200602N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jun 03 14:54:28 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2020\200701N\VE200701N01.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.490	96	154409	10.000	ug/L	0.00
Standard Area 1 = 144276			Recovery = 107.02%			
59) Chlorobenzene-d5	8.497	117	115310	10.000	ug/L	0.00
Standard Area 1 = 121890			Recovery = 94.60%			
79) 1,4-Dichlorobenzene-d4	9.988	152	56152	10.000	ug/L	0.00
Standard Area 1 = 61045			Recovery = 91.98%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.502	113	36605	10.002	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.02%			
43) 1,2-Dichloroethane-d4	5.147	65	42982	9.583	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.83%			
60) Toluene-d8	7.198	98	148495	9.742	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.42%			
83) 4-Bromofluorobenzene	9.321	95	52886	9.133	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 91.33%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	0.000		0	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	1.316	94	56	N.D.		
6) Chloroethane	0.000		0	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	0.000		0	N.D.		
12) Freon-113	0.000		0	N.D.		
15) Methylene chloride	2.348	84	356M2	0.131	ug/L	
17) Acetone	2.412	43	822M2	1.352	ug/L	
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
19) Methyl acetate	0.000		0	N.D.		
20) Methyl tert-butyl ether	0.000		0	N.D.		
23) 1,1-Dichloroethane	0.000		0	N.D.		
28) cis-1,2-Dichloroethene	0.000		0	N.D.		
30) Bromochloromethane	0.000		0	N.D.		
31) Cyclohexane	0.000		0	N.D.		
32) Chloroform	0.000		0	N.D.		
34) Carbon tetrachloride	0.000		0	N.D.		

Data Path : I:\VOLATILES\Elaine\2020\200701N\
Data File : VE200701N05.D
Acq On : 1 Jul 2020 6:40 pm
Operator : ELAINE:TMS
Sample : WG1388497-5,31,10,10
Misc : WG1388497,ICAL16849
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 01 21:25:52 2020
Quant Method : I:\VOLATILES\Elaine\2020\200701N\Elaine_200602N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jun 03 14:54:28 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2020\200701N\VE200701N01.D
Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37)	1,1,1-Trichloroethane	0.000		0		N.D.	
39)	2-Butanone	0.000		0		N.D.	d
41)	Benzene	0.000		0		N.D.	
44)	1,2-Dichloroethane	0.000		0		N.D.	
47)	Methyl cyclohexane	0.000		0		N.D.	
48)	Trichloroethene	0.000		0		N.D.	
51)	1,2-Dichloropropane	0.000		0		N.D.	
54)	Bromodichloromethane	0.000		0		N.D.	
57)	1,4-Dioxane	0.000		0		N.D.	
58)	cis-1,3-Dichloropropene	0.000		0		N.D.	
61)	Toluene	0.000		0		N.D.	
62)	4-Methyl-2-pentanone	0.000		0		N.D.	
63)	Tetrachloroethene	0.000		0		N.D.	
65)	trans-1,3-Dichloropropene	0.000		0		N.D.	
68)	1,1,2-Trichloroethane	0.000		0		N.D.	
69)	Chlorodibromomethane	0.000		0		N.D.	
71)	1,2-Dibromoethane	0.000		0		N.D.	
72)	2-Hexanone	0.000		0		N.D.	
73)	Chlorobenzene	0.000		0		N.D.	
74)	Ethylbenzene	0.000		0		N.D.	
76)	p/m Xylene	0.000		0		N.D.	
77)	o Xylene	0.000		0		N.D.	
78)	Styrene	0.000		0		N.D.	
80)	Bromoform	0.000		0		N.D.	
82)	Isopropylbenzene	0.000		0		N.D.	
87)	1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
100)	1,3-Dichlorobenzene	0.000		0		N.D.	
101)	1,4-Dichlorobenzene	0.000		0		N.D.	
104)	1,2-Dichlorobenzene	0.000		0		N.D.	
106)	1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
109)	1,2,4-Trichlorobenzene	11.068	180	135		N.D.	
111)	1,2,3-Trichlorobenzene	0.000		0		N.D.	

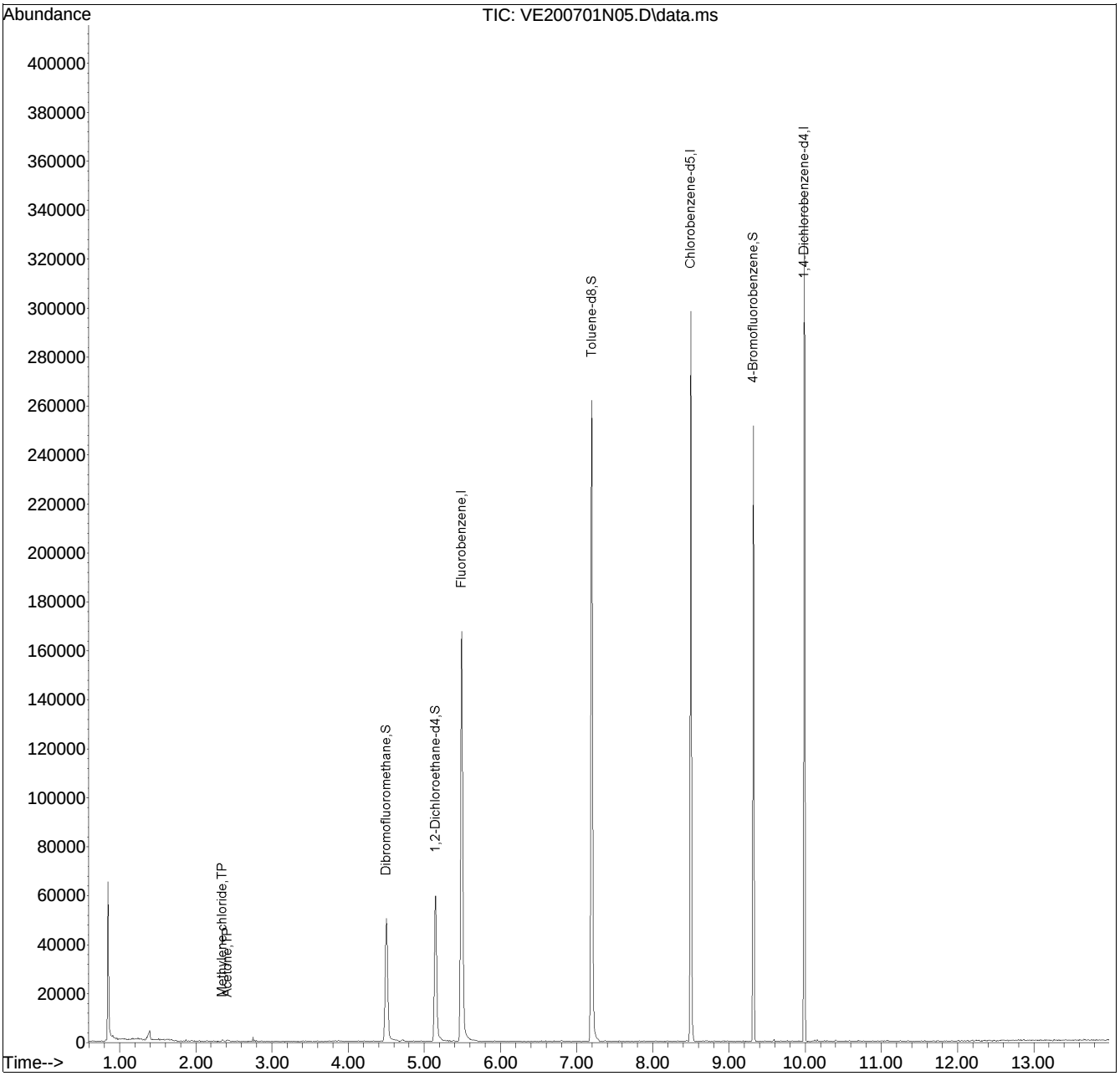
(#) = qualifier out of range (m) = manual integration (+) = signals summed

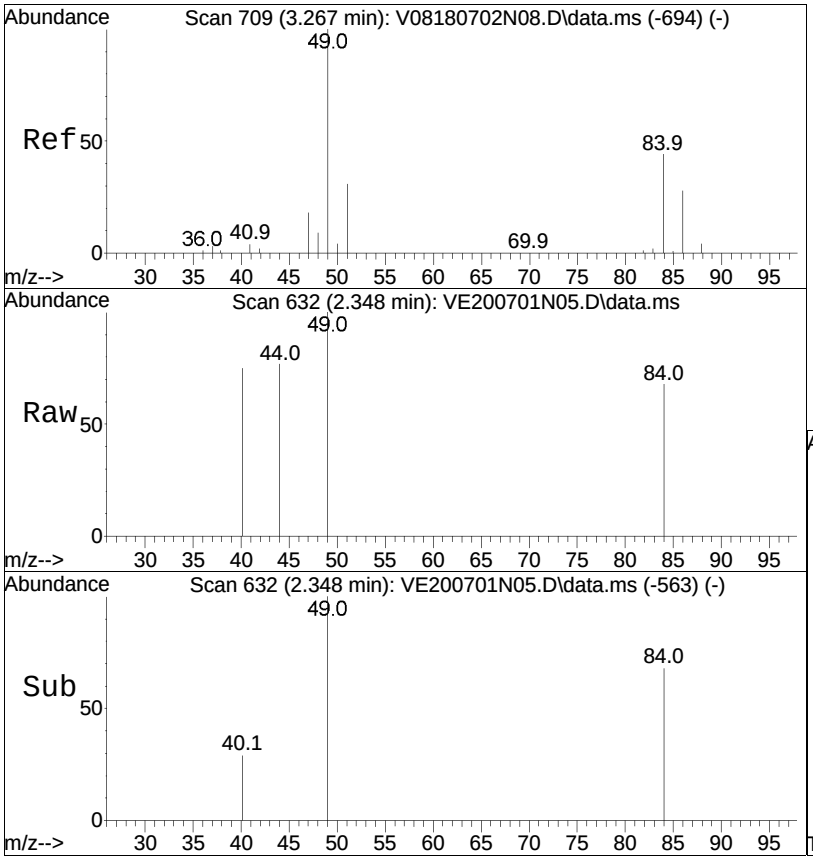
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2020\200701N\
Data File : VE200701N05.D
Acq On : 1 Jul 2020 6:40 pm
Operator : ELAINE:TMS
Sample : WG1388497-5,31,10,10
Misc : WG1388497,ICAL16849
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 01 21:25:52 2020
Quant Method : I:\VOLATILES\Elaine\2020\200701N\Elaine_200602N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jun 03 14:54:28 2020
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox00701N\VE200701N01.D•

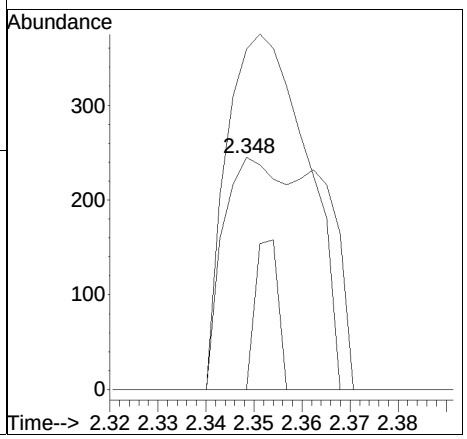


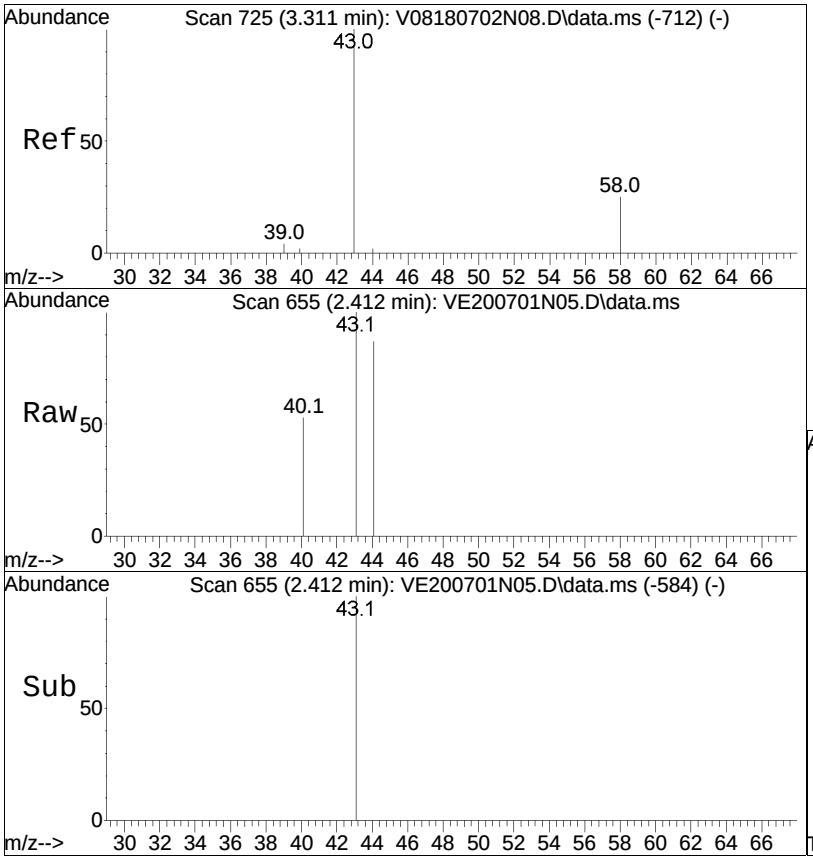


#15
Methylene chloride
Concen: 0.13 ug/L M2
RT: 2.348 min Scan# 632
Delta R.T. -0.009 min
Lab File: VE200701N05.D
Acq: 1 Jul 2020 6:40 pm

Tgt Ion: 84 Resp: 356

Ion	Ratio	Lower	Upper
84	100		
86	0.0	40.4	83.8#
49	0.0	120.0	249.2#

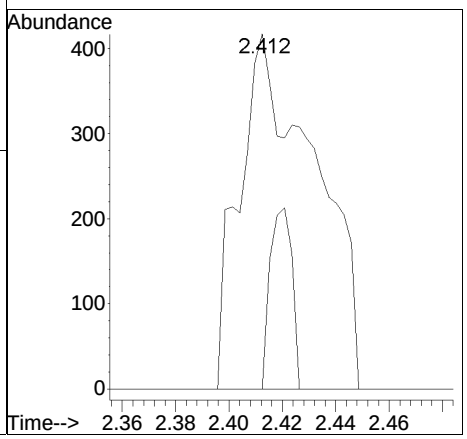




#17
Acetone
Concen: 1.35 ug/L M2
RT: 2.412 min Scan# 655
Delta R.T. -0.003 min
Lab File: VE200701N05.D
Acq: 1 Jul 2020 6:40 pm

Tgt Ion: 43 Resp: 822

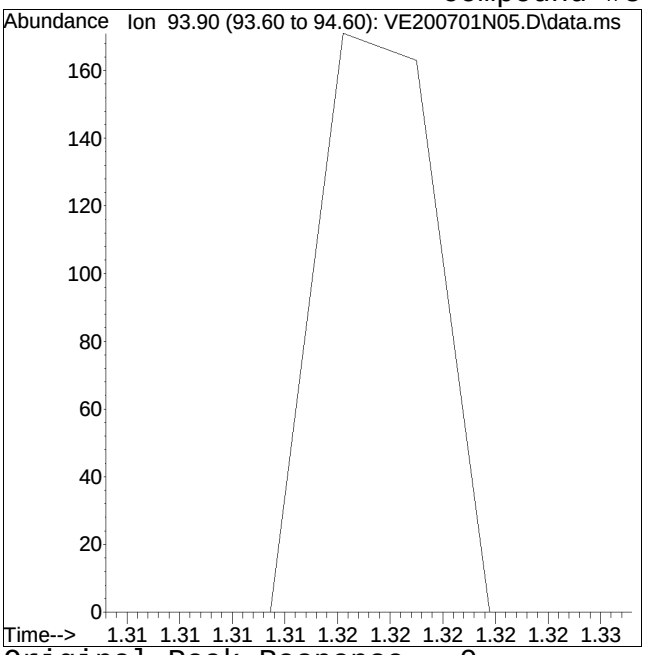
Ion	Ratio	Lower	Upper
43	100		
58	0.0	24.2	36.4#



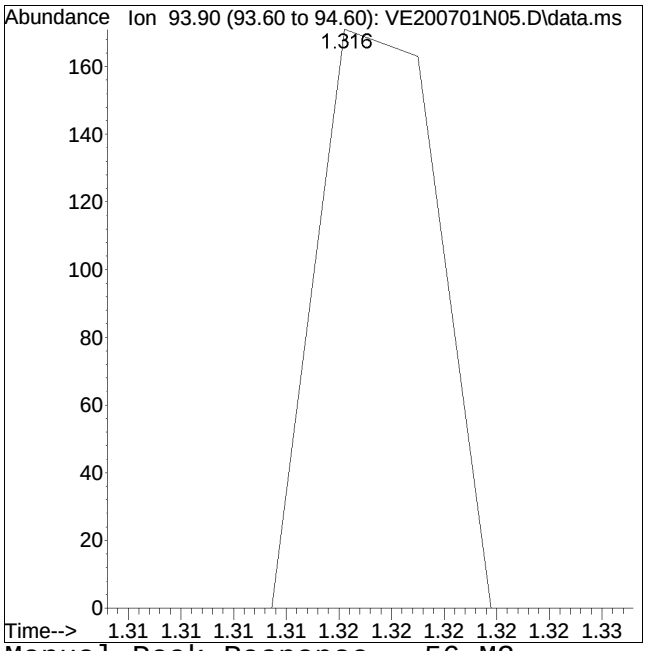
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200602N_8260.m
Data File : VE200701N05.D Operator : ELAINE:TMS
Date Inj'd : 7/1/2020 6:40 pm Instrument : Elaine
Sample : WG1388497-5,31,10,10 Quant Date : 7/1/2020 9:23 pm

Compound #5: Bromomethane



Original Peak Response = 0



Manual Peak Response = 56 M2

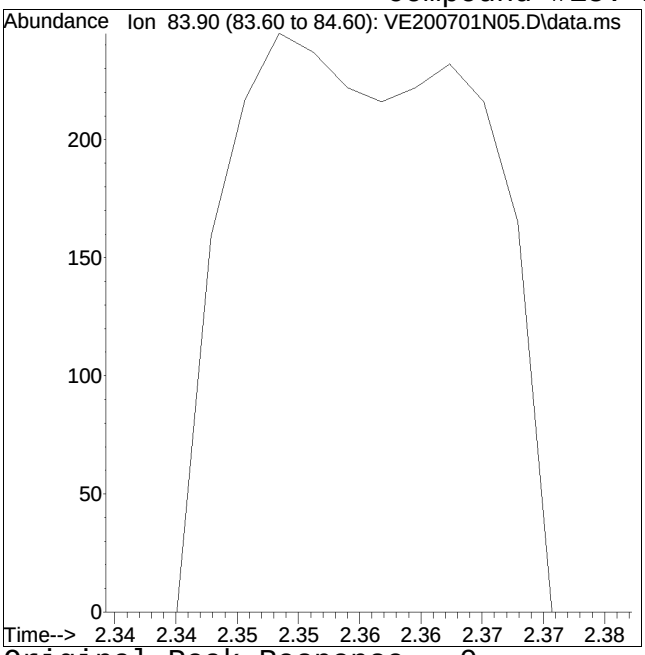
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

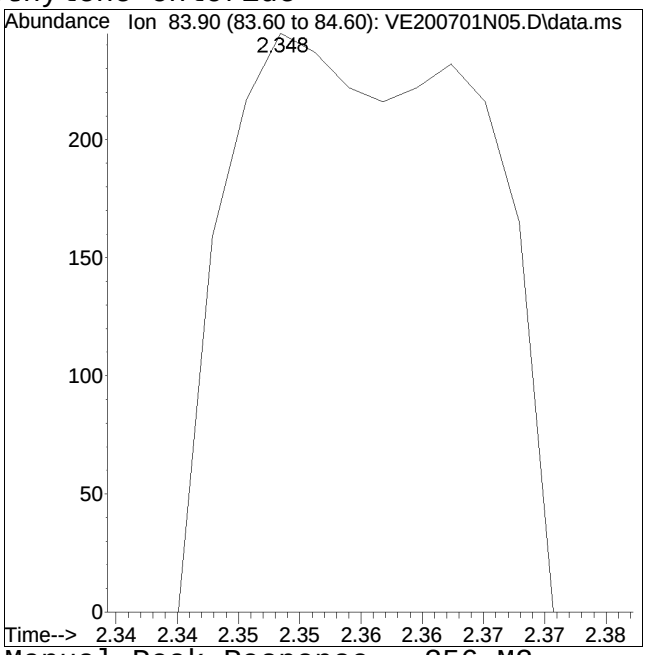
Data Path : I:\VOLATILES\Elaine\2020\2Q
Data File : VE200701N05.D
Date Inj'd : 7/1/2020 6:40 pm
Sample : WG1388497-5,31,10,10

Method : Elaine_200602N_8260.m
Operator : ELAINE:TMS
Instrument : Elaine
Quant Date : 7/1/2020 9:23 pm

Compound #15: Methylene chloride



Original Peak Response = 0



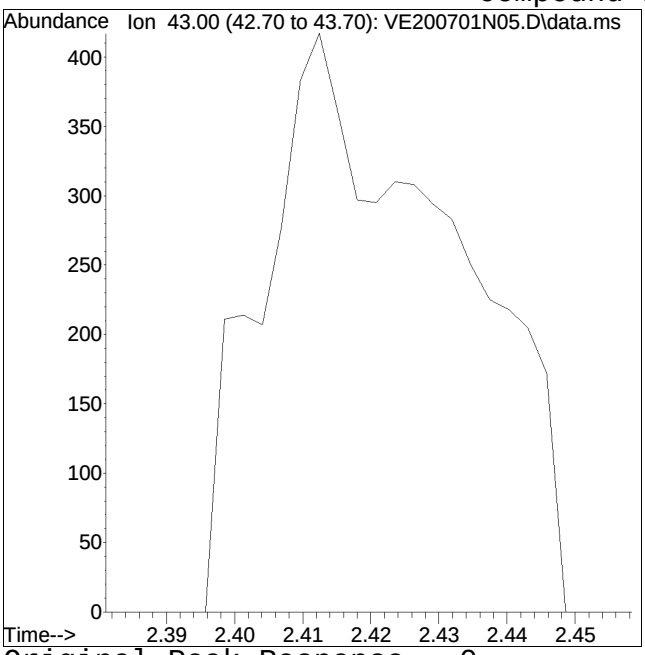
Manual Peak Response = 356 M2

M2 = Peak not found by automatic integration algorithm.

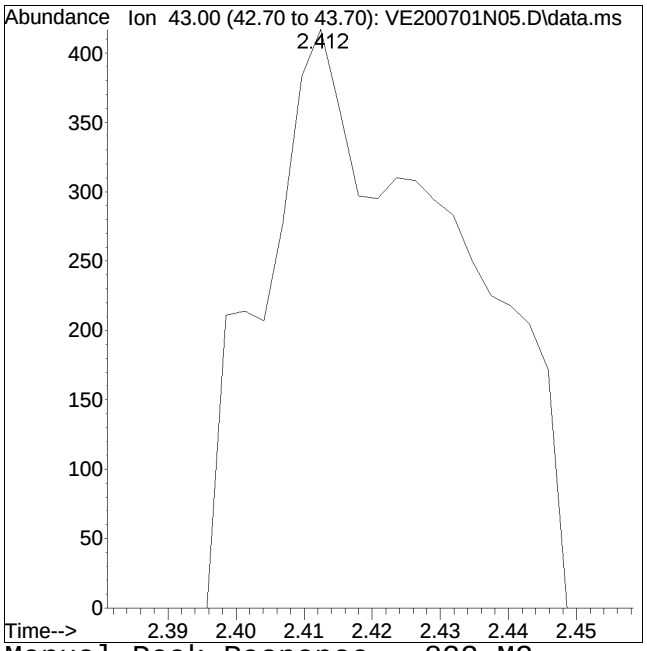
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200602N_8260.m
Data File : VE200701N05.D Operator : ELAINE:TMS
Date Inj'd : 7/1/2020 6:40 pm Instrument : Elaine
Sample : WG1388497-5,31,10,10 Quant Date : 7/1/2020 9:23 pm

Compound #17: Acetone



Original Peak Response = 0



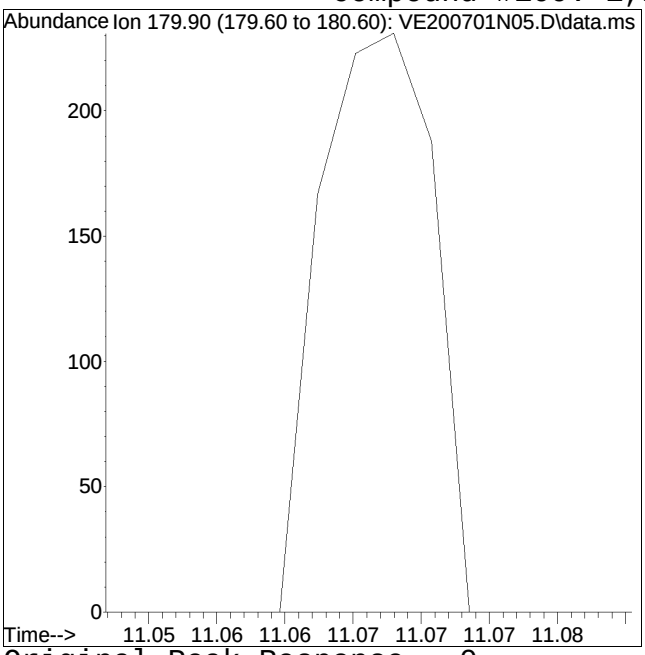
Manual Peak Response = 822 M2

M2 = Peak not found by automatic integration algorithm.

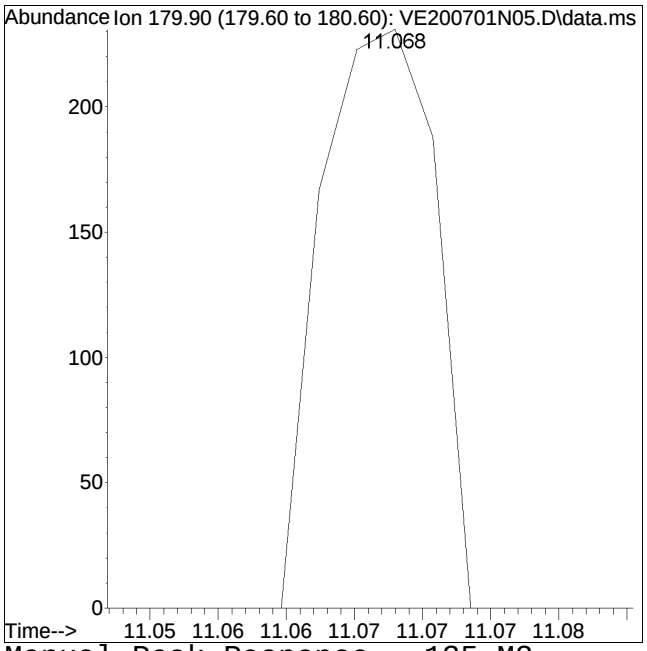
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200602N_8260.m
Data File : VE200701N05.D Operator : ELAINE:TMS
Date Inj'd : 7/1/2020 6:40 pm Instrument : Elaine
Sample : WG1388497-5,31,10,10 Quant Date : 7/1/2020 9:23 pm

Compound #109: 1,2,4-Trichlorobenzene



Original Peak Response = 0



Manual Peak Response = 135 M2

M2 = Peak not found by automatic integration algorithm.

LSC Area Percent Report

Data Path : I:\VOLATILES\Elaine\2020\200701N\
Data File : VE200701N05.D
Acq On : 1 Jul 2020 6:40 pm
Operator : ELAINE:TMS
Sample : WG1388497-5,31,10,10
Misc : WG1388497,ICAL16849
ALS Vial : 1 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : I:\VOLATILES\Elaine\2020\200701N\Elaine_200602N_8260.m
Title : VOLATILES BY GC/MS

Signal : TIC: VE200701N05.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	0.966	131	135	139	rVB2	773	700	0.17%	0.037%
2	1.358	267	276	277	rBV2	1319	1020	0.25%	0.054%
3	1.397	278	290	296	rVB6	3873	6471	1.60%	0.340%
4	1.686	387	394	399	rVB2	712	931	0.23%	0.049%
5	2.351	625	633	647	rVV4	770	1045	0.26%	0.055%
6	2.421	647	658	672	rVB3	665	1574	0.39%	0.083%
7	2.752	773	777	781	rVB	1693	790	0.20%	0.042%
8	4.502	1389	1406	1429	rBV2	50133	113035	27.95%	5.948%
9	4.719	1473	1484	1496	rBV3	679	1519	0.38%	0.080%
10	5.147	1620	1638	1673	rBV3	59465	124177	30.71%	6.534%
11	5.300	1688	1693	1699	rVB2	467	537	0.13%	0.028%
12	5.490	1745	1761	1799	rBV	167572	324708	80.29%	17.085%
13	6.449	2098	2106	2114	rBV2	338	519	0.13%	0.027%
14	7.198	2358	2375	2413	rBV	261932	404411	100.00%	21.279%
15	8.497	2832	2842	2864	rVB	298234	337673	83.50%	17.767%
16	9.321	3127	3138	3149	rBV	251490	250963	62.06%	13.205%
17	9.591	3223	3235	3240	rBV3	908	937	0.23%	0.049%
18	9.988	3369	3378	3391	rVB	345973	326358	80.70%	17.172%
19	10.044	3391	3398	3406	rVB2	387	647	0.16%	0.034%
20	10.080	3406	3411	3416	rBV2	359	553	0.14%	0.029%
21	12.865	4407	4412	4422	rVB3	514	558	0.14%	0.029%
22	13.269	4551	4557	4560	rBV3	681	772	0.19%	0.041%
23	13.717	4713	4718	4724	rVB3	587	619	0.15%	0.033%

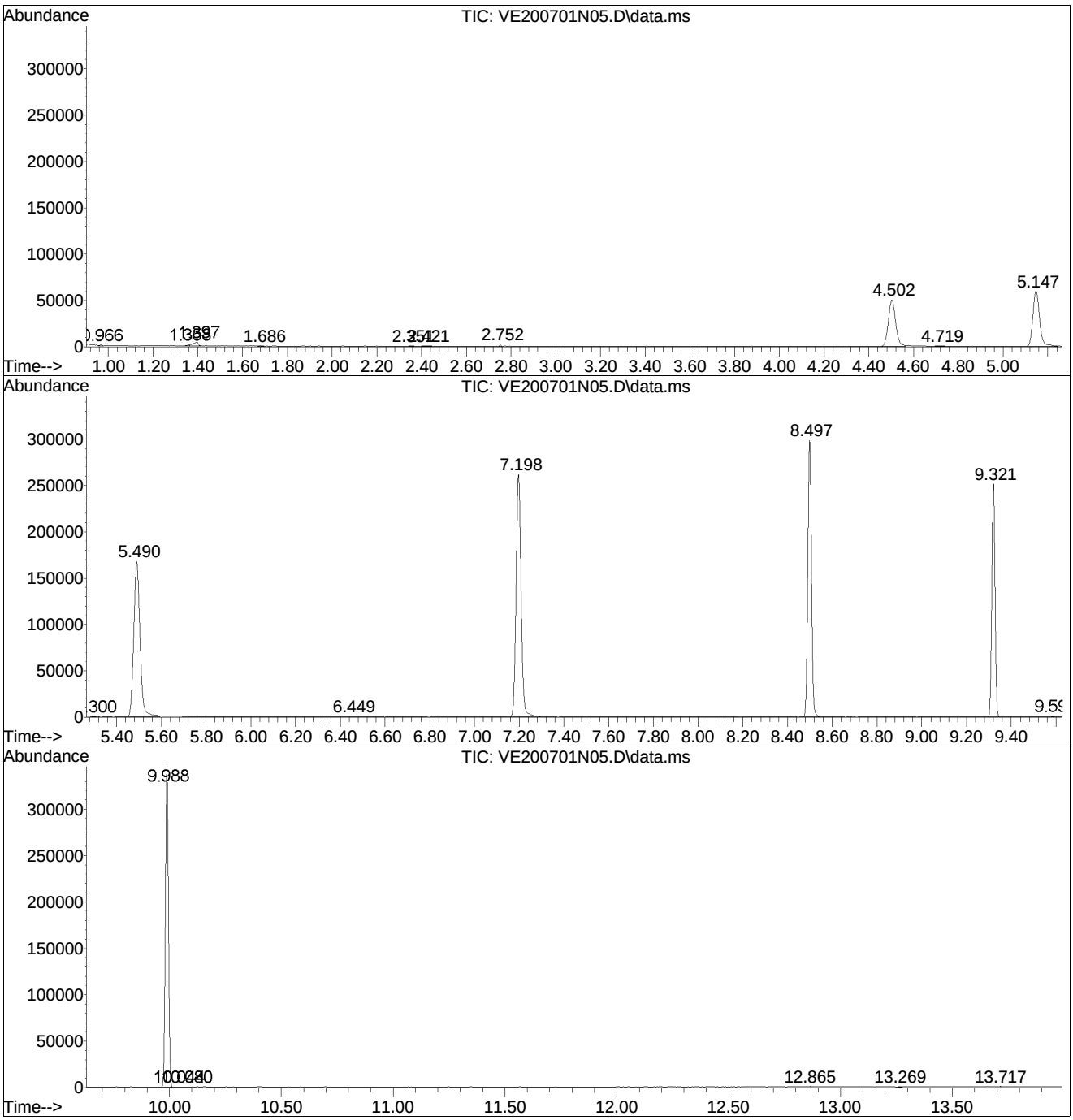
Sum of corrected areas: 1900517

LSC Report - Integrated Chromatogram

Data Path : I:\VOLATILES\Elaine\2020\200701N\
Data File : VE200701N05.D
Acq On : 1 Jul 2020 6:40 pm
Operator : ELAINE:TMS
Sample : WG1388497-5,31,10,10
Misc : WG1388497,ICAL16849
ALS Vial : 1 Sample Multiplier: 1

Quant Method : I:\VOLATILES\Elaine\2020\200701N\Elaine_200602N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p



Library Search Compound Report

Data Path : I:\VOLATILES\Elaine\2020\200701N\
Data File : VE200701N05.D
Acq On : 1 Jul 2020 6:40 pm
Operator : ELAINE:TMS
Sample : WG1388497-5,31,10,10
Misc : WG1388497,ICAL16849
ALS Vial : 1 Sample Multiplier: 1

Quant Method : I:\VOLATILES\Elaine\2020\200701N\Elaine_200602N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : I:\VOLATILES\Elaine\2020\200701N\
Data File : VE200701N05.D
Acq On : 1 Jul 2020 6:40 pm
Operator : ELAINE:TMS
Sample : WG1388497-5,31,10,10
Misc : WG1388497,ICAL16849
ALS Vial : 1 Sample Multiplier: 1

Quant Method : I:\VOLATILES\Elaine\2020\200701N\Elaine_200602N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2020\200702A\
Data File : V08200702A05.D
Acq On : 2 Jul 2020 8:26 am
Operator : VOA108:PD
Sample : WG1388512-5,31,10,10
Misc : WG1388512,ICAL16918
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 02 09:20:43 2020
Quant Method : I:\VOLATILES\VOA108\2020\200702A\V108_200623N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jun 24 10:26:22 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2020\200702A\V08200702A01.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.400	96	203914	10.000	ug/L	0.00
Standard Area 1 = 204273			Recovery = 99.82%			
59) Chlorobenzene-d5	8.431	117	143200	10.000	ug/L	0.00
Standard Area 1 = 143225			Recovery = 99.98%			
79) 1,4-Dichlorobenzene-d4	9.926	152	62616	10.000	ug/L	0.00
Standard Area 1 = 66393			Recovery = 94.31%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.407	113	53598	9.773	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.73%			
43) 1,2-Dichloroethane-d4	5.049	65	66834	11.113	ug/L	-0.01
Spiked Amount 10.000	Range 70 - 130		Recovery = 111.13%			
60) Toluene-d8	7.109	98	191482	10.333	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.33%			
83) 4-Bromofluorobenzene	9.254	95	66487	10.094	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.94%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	0.000		0	N.D. d		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	1.303	94	360M2	0.106	ug/L	
6) Chloroethane	0.000		0	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	0.000		0	N.D.		
12) Freon-113	0.000		0	N.D.		
15) Methylene chloride	0.000		0	N.D.		
17) Acetone	0.000		0	N.D.		
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
19) Methyl acetate	0.000		0	N.D.		
20) Methyl tert-butyl ether	0.000		0	N.D.		
23) 1,1-Dichloroethane	0.000		0	N.D.		
28) cis-1,2-Dichloroethene	0.000		0	N.D.		
30) Bromochloromethane	0.000		0	N.D.		
31) Cyclohexane	0.000		0	N.D.		
32) Chloroform	0.000		0	N.D.		
34) Carbon tetrachloride	0.000		0	N.D.		

Data Path : I:\VOLATILES\VOA108\2020\200702A\
Data File : V08200702A05.D
Acq On : 2 Jul 2020 8:26 am
Operator : VOA108:PD
Sample : WG1388512-5,31,10,10
Misc : WG1388512,ICAL16918
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 02 09:20:43 2020
Quant Method : I:\VOLATILES\VOA108\2020\200702A\V108_200623N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jun 24 10:26:22 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2020\200702A\V08200702A01.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) 1,1,1-Trichloroethane	0.000		0	N.D.			
39) 2-Butanone	0.000		0	N.D.			
41) Benzene	0.000		0	N.D.			
44) 1,2-Dichloroethane	0.000		0	N.D.			
47) Methyl cyclohexane	0.000		0	N.D.			
48) Trichloroethene	0.000		0	N.D.	d		
51) 1,2-Dichloropropane	0.000		0	N.D.			
54) Bromodichloromethane	0.000		0	N.D.			
57) 1,4-Dioxane	0.000		0	N.D.			
58) cis-1,3-Dichloropropene	0.000		0	N.D.			
61) Toluene	0.000		0	N.D.			
62) 4-Methyl-2-pentanone	0.000		0	N.D.			
63) Tetrachloroethene	0.000		0	N.D.			
65) trans-1,3-Dichloropropene	0.000		0	N.D.			
68) 1,1,2-Trichloroethane	0.000		0	N.D.			
69) Chlorodibromomethane	0.000		0	N.D.			
71) 1,2-Dibromoethane	0.000		0	N.D.			
72) 2-Hexanone	0.000		0	N.D.			
73) Chlorobenzene	0.000		0	N.D.			
74) Ethylbenzene	8.484	91	578	N.D.			
76) p/m Xylene	0.000		0	N.D.			
77) o Xylene	0.000		0	N.D.			
78) Styrene	8.925	104	597	N.D.			
80) Bromoform	0.000		0	N.D.			
82) Isopropylbenzene	0.000		0	N.D.			
87) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.			
100) 1,3-Dichlorobenzene	9.884	146	831	0.084	ug/L	#	24
101) 1,4-Dichlorobenzene	9.934	146	922	0.092	ug/L	#	37
104) 1,2-Dichlorobenzene	0.000		0	N.D.			
106) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.			
109) 1,2,4-Trichlorobenzene	11.016	180	509	0.085	ug/L	#	72
111) 1,2,3-Trichlorobenzene	11.290	180	461M2	0.086	ug/L		

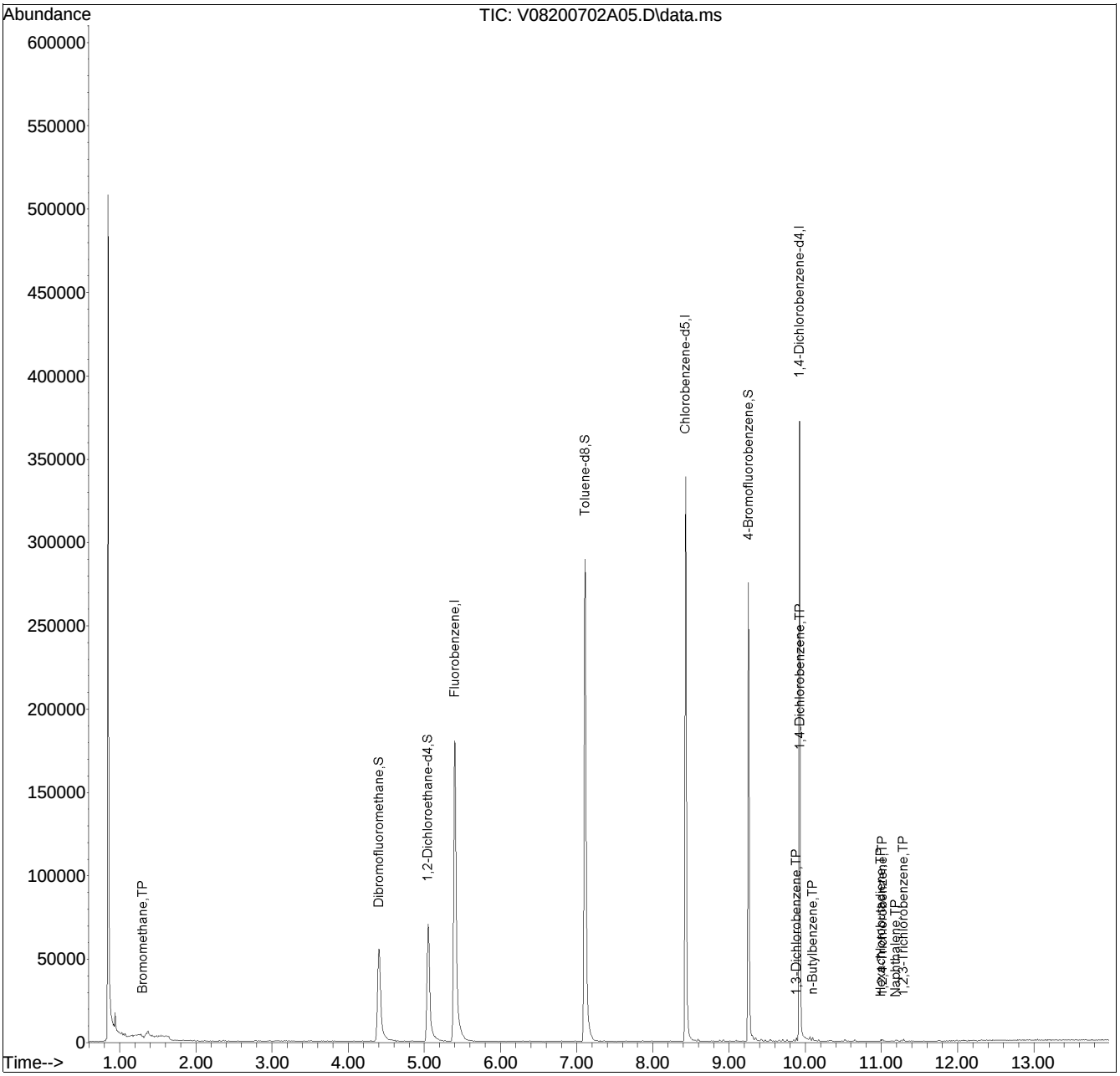
(#) = qualifier out of range (m) = manual integration (+) = signals summed

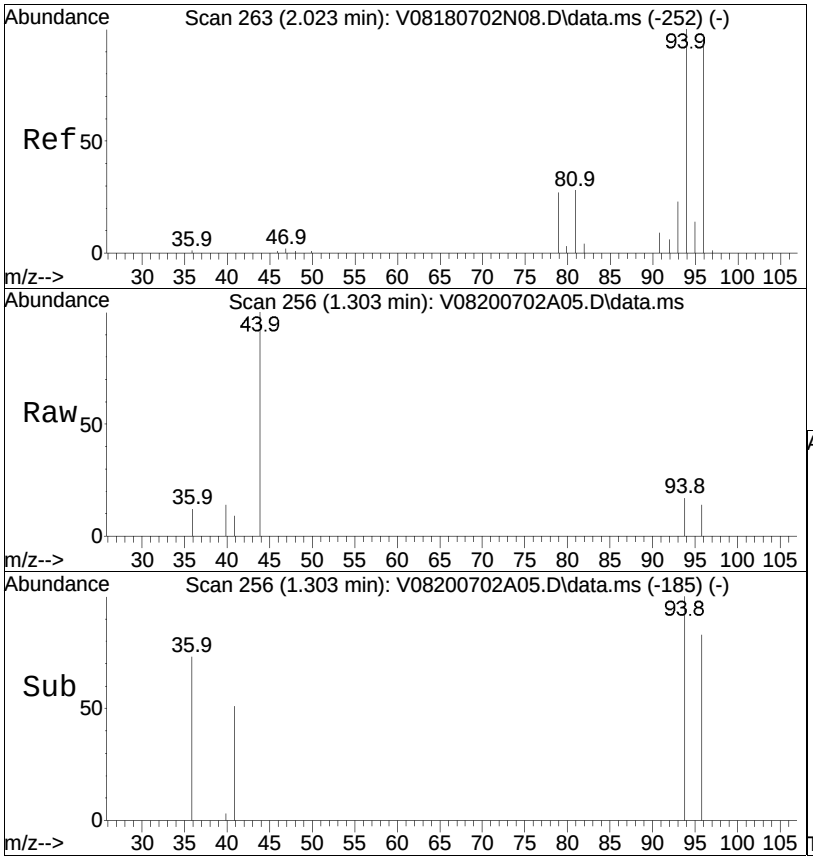
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2020\200702A\
Data File : V08200702A05.D
Acq On : 2 Jul 2020 8:26 am
Operator : VOA108:PD
Sample : WG1388512-5,31,10,10
Misc : WG1388512,ICAL16918
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 02 09:20:43 2020
Quant Method : I:\VOLATILES\VOA108\2020\200702A\V108_200623N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jun 24 10:26:22 2020
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox00702A\V08200702A01.D•

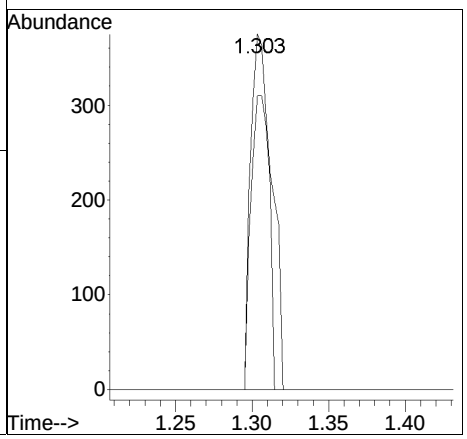


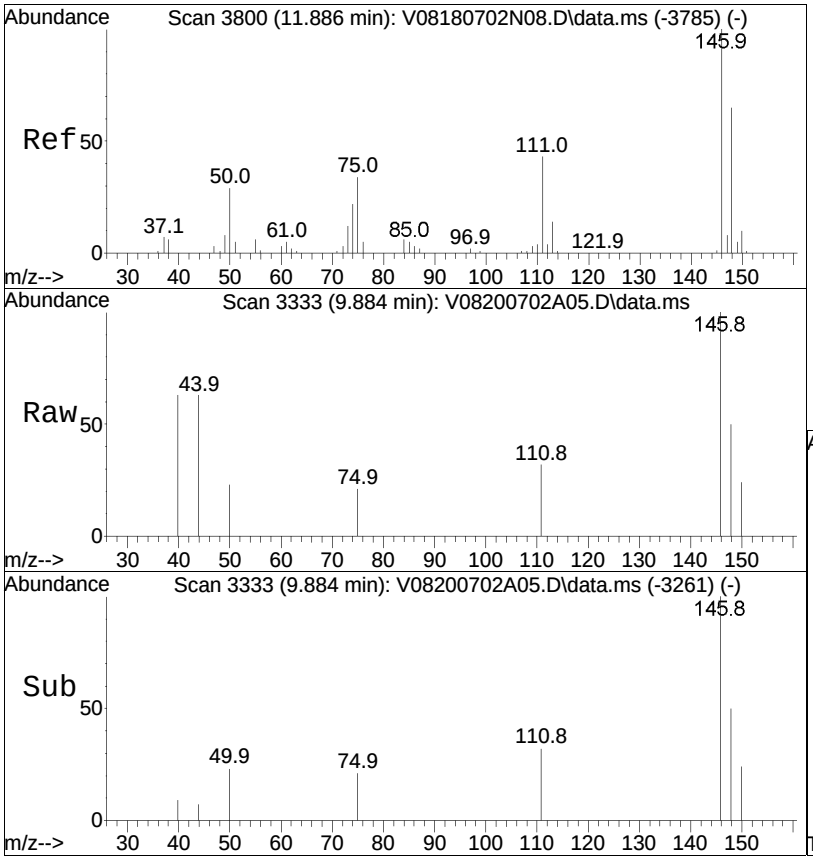


#5
Bromomethane
Concen: 0.11 ug/L M2
RT: 1.303 min Scan# 256
Delta R.T. -0.003 min
Lab File: V08200702A05.D
Acq: 2 Jul 2020 8:26 am

Tgt Ion: 94 Resp: 360

Ion	Ratio	Lower	Upper
94	100		
96	0.0	75.6	115.6#

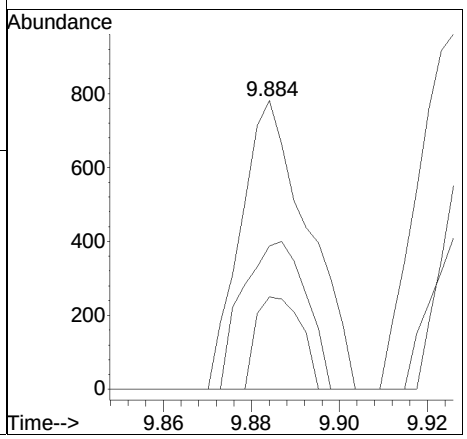


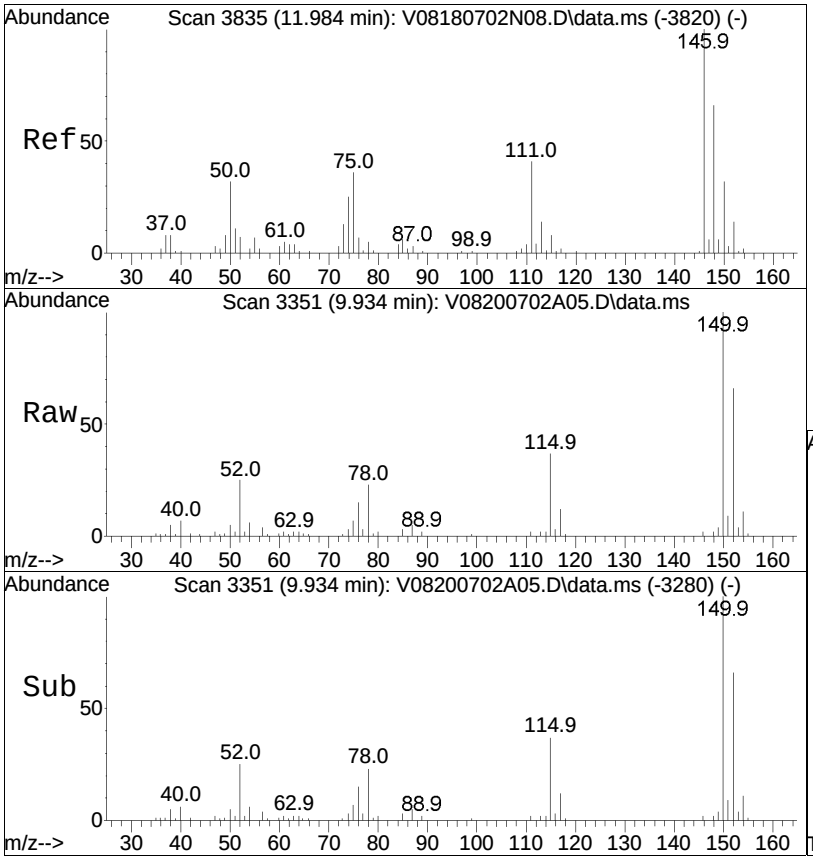


#100
1,3-Dichlorobenzene
Concen: 0.08 ug/L
RT: 9.884 min Scan# 3333
Delta R.T. 0.000 min
Lab File: V08200702A05.D
Acq: 2 Jul 2020 8:26 am

Tgt Ion:146 Resp: 831

Ion	Ratio	Lower	Upper
146	100		
111	0.0	27.5	57.1#
148	0.0	41.9	86.9#

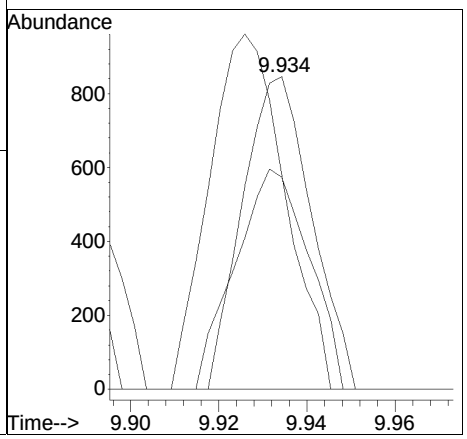


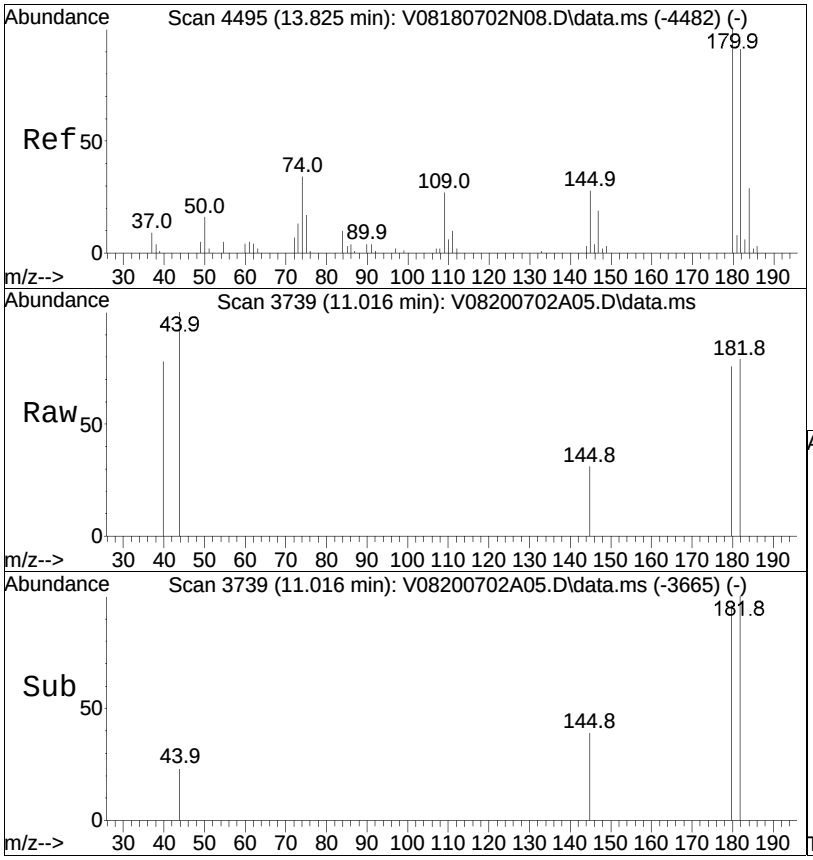


#101
1,4-Dichlorobenzene
Concen: 0.09 ug/L
RT: 9.934 min Scan# 3351
Delta R.T. -0.003 min
Lab File: V08200702A05.D
Acq: 2 Jul 2020 8:26 am

Tgt Ion:146 Resp: 922

Ion	Ratio	Lower	Upper
146	100		
111	124.1	32.3	48.5#
148	75.2	49.9	74.9#

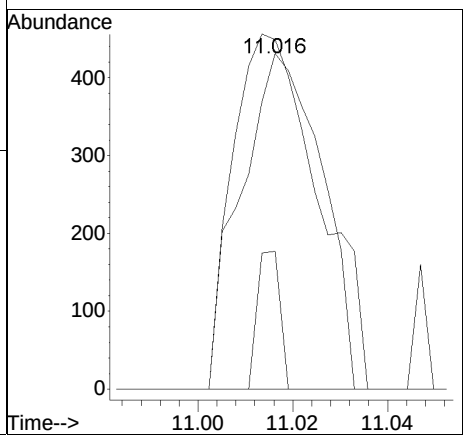


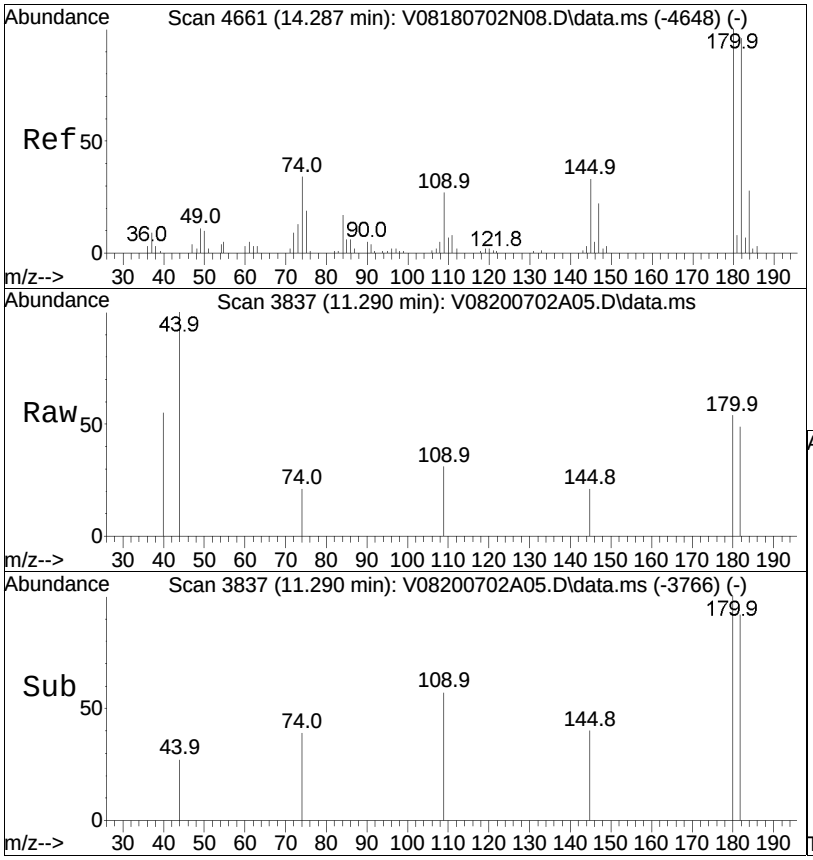


#109
1,2,4-Trichlorobenzene
Concen: 0.09 ug/L
RT: 11.016 min Scan# 3739
Delta R.T. 0.005 min
Lab File: V08200702A05.D
Acq: 2 Jul 2020 8:26 am

Tgt Ion:180 Resp: 509

Ion	Ratio	Lower	Upper
180	100		
182	112.6	77.3	115.9
145	0.0	28.1	42.1#

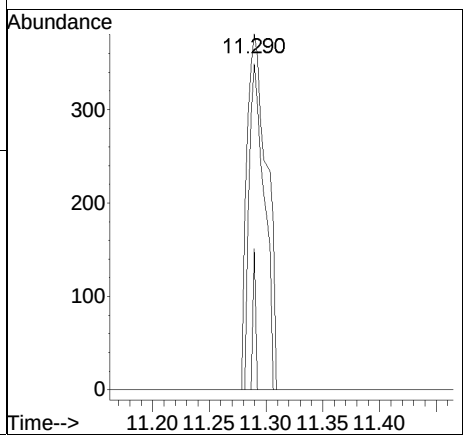




#111
1,2,3-Trichlorobenzene
Concen: 0.09 ug/L M2
RT: 11.290 min Scan# 3837
Delta R.T. -0.002 min
Lab File: V08200702A05.D
Acq: 2 Jul 2020 8:26 am

Tgt Ion:180 Resp: 461

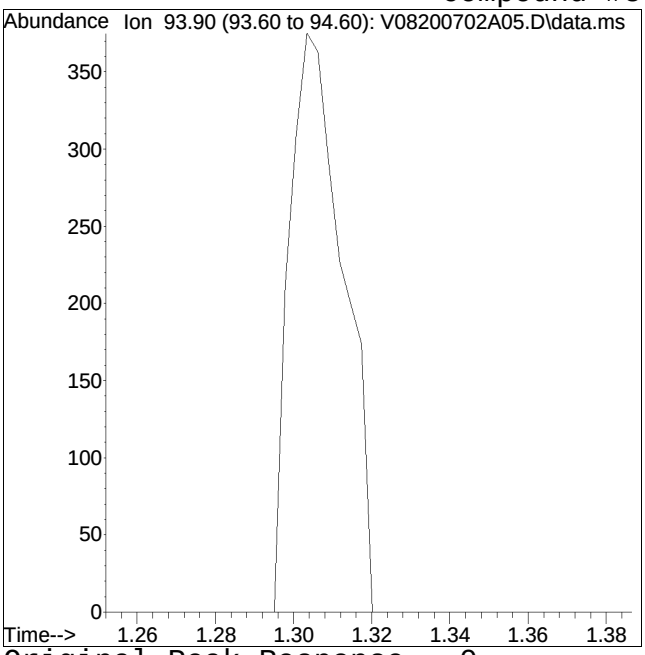
Ion	Ratio	Lower	Upper
180	100		
182	0.0	76.4	114.6#
145	0.0	26.4	39.6#



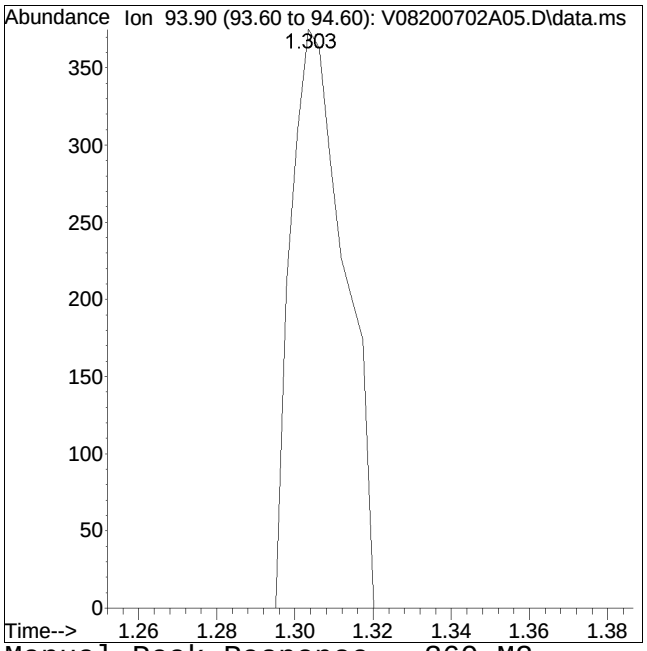
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200702A05.D Operator : VOA108:PD
Date Inj'd : 7/2/2020 8:26 am Instrument : VOA 108
Sample : WG1388512-5,31,10,10 Quant Date : 7/2/2020 9:19 am

Compound #5: Bromomethane



Original Peak Response = 0



Manual Peak Response = 360 M2

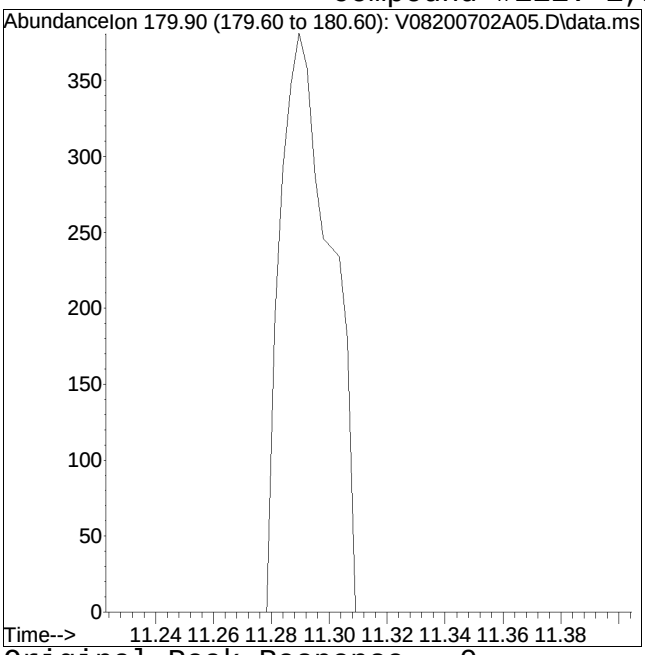
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

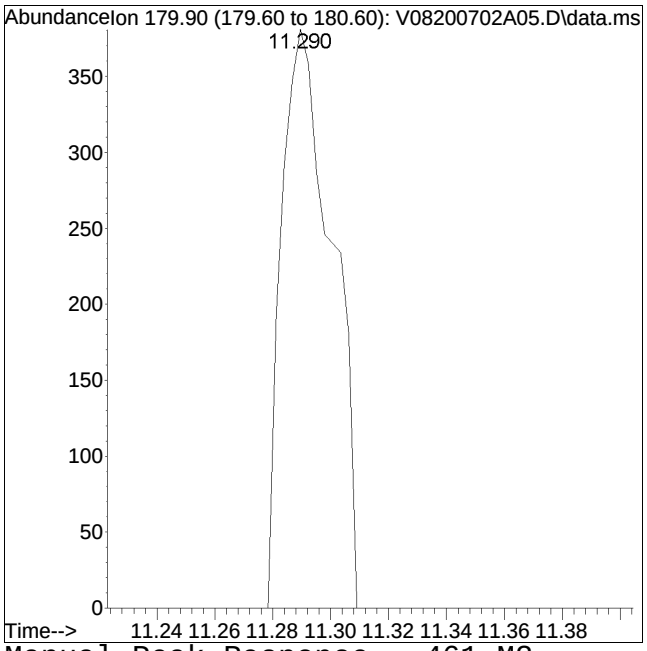
Data Path : I:\VOLATILES\VOA108\2020\2Q
Data File : V08200702A05.D
Date Inj'd : 7/2/2020 8:26 am
Sample : WG1388512-5,31,10,10

Method : V108_200623N_8260.m
Operator : VOA108:PD
Instrument : VOA 108
Quant Date : 7/2/2020 9:19 am

Compound #111: 1,2,3-Trichlorobenzene



Original Peak Response = 0



Manual Peak Response = 461 M2

M2 = Peak not found by automatic integration algorithm.

LSC Area Percent Report

Data Path : I:\VOLATILES\VOA108\2020\200702A\
Data File : V08200702A05.D
Acq On : 2 Jul 2020 8:26 am
Operator : VOA108:PD
Sample : WG1388512-5,31,10,10
Misc : WG1388512,ICAL16918
ALS Vial : 5 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 500 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : I:\VOLATILES\VOA108\2020\200702A\V108_200623N_8260.m
Title : VOLATILES BY GC/MS

Signal : TIC: V08200702A05.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	0.941	122	126	143	rVB	11928	12680	2.33%	0.490%
2	1.072	170	173	184	rVB2	1929	1805	0.33%	0.070%
3	1.351	262	273	276	rBV3	2690	4174	0.77%	0.161%
4	1.373	276	281	291	rVB6	2904	4572	0.84%	0.177%
5	1.839	439	448	454	rBV2	614	833	0.15%	0.032%
6	2.017	509	512	521	rVB2	442	591	0.11%	0.023%
7	2.776	775	784	789	rBV2	477	792	0.15%	0.031%
8	4.402	1346	1367	1418	rBV3	55404	168153	30.91%	6.504%
9	4.658	1452	1459	1462	rBV2	492	501	0.09%	0.019%
10	5.051	1578	1600	1672	rBV2	70408	188322	34.62%	7.285%
11	5.400	1707	1725	1781	rBV	180463	446482	82.08%	17.270%
12	5.564	1781	1784	1791	rVB3	644	635	0.12%	0.025%
13	7.109	2323	2338	2392	rBV	289267	543990	100.00%	21.042%
14	8.431	2798	2812	2843	rBV	338594	453951	83.45%	17.559%
15	8.593	2864	2870	2879	rVB	1468	1738	0.32%	0.067%
16	8.880	2967	2973	2978	rBV3	894	955	0.18%	0.037%
17	8.925	2983	2989	3000	rVB3	924	1108	0.20%	0.043%
18	9.092	3043	3049	3053	rBV2	629	614	0.11%	0.024%
19	9.254	3096	3107	3123	rBV	275105	316242	58.13%	12.233%
20	9.349	3136	3141	3150	rVB4	1573	2121	0.39%	0.082%
21	9.421	3160	3167	3181	rVB5	1264	2035	0.37%	0.079%
22	9.469	3181	3184	3191	rBV4	741	882	0.16%	0.034%
23	9.535	3203	3208	3210	rBV2	863	730	0.13%	0.028%
24	9.655	3243	3251	3261	rBV2	856	1214	0.22%	0.047%
25	9.706	3261	3269	3279	rVB2	1077	1145	0.21%	0.044%
26	9.761	3284	3289	3296	rVB2	1186	1004	0.18%	0.039%
27	9.851	3315	3321	3326	rVB	916	865	0.16%	0.033%
28	9.884	3327	3333	3339	rBV3	2064	1819	0.33%	0.070%

LSC Area Percent Report

Data Path : I:\VOLATILES\VOA108\2020\200702A\
Data File : V08200702A05.D
Acq On : 2 Jul 2020 8:26 am
Operator : VOA108:PD
Sample : WG1388512-5,31,10,10
Misc : WG1388512,ICAL16918
ALS Vial : 5 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 500 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : I:\VOLATILES\VOA108\2020\200702A\V108_200623N_8260.m
Title : VOLATILES BY GC/MS

29	9.926	3339	3348	3377	rBV	371928	408127	75.02%	15.787%
30	10.063	3391	3397	3403	rVB3	2344	2465	0.45%	0.095%
31	10.096	3403	3409	3415	rBV2	1948	1964	0.36%	0.076%
32	10.177	3431	3438	3443	rBV3	919	725	0.13%	0.028%
33	10.520	3552	3561	3574	rBV3	1225	1725	0.32%	0.067%
34	10.651	3603	3608	3614	rVB2	958	858	0.16%	0.033%
35	10.994	3725	3731	3734	rBV2	1023	723	0.13%	0.028%
36	11.016	3734	3739	3746	rVB4	1216	1295	0.24%	0.050%
37	11.189	3794	3801	3815	rBV2	652	1326	0.24%	0.051%
38	11.290	3830	3837	3846	rVB4	1387	1154	0.21%	0.045%
39	11.989	4081	4088	4093	rVB2	530	696	0.13%	0.027%
40	12.238	4172	4177	4184	rVB2	481	728	0.13%	0.028%
41	12.380	4222	4228	4235	rBV3	789	846	0.16%	0.033%
42	12.910	4414	4418	4423	rBV4	645	620	0.11%	0.024%
43	12.938	4424	4428	4434	rVB3	693	664	0.12%	0.026%
44	13.049	4461	4468	4471	rBV5	761	853	0.16%	0.033%
45	13.462	4613	4616	4624	rVB4	541	513	0.09%	0.020%

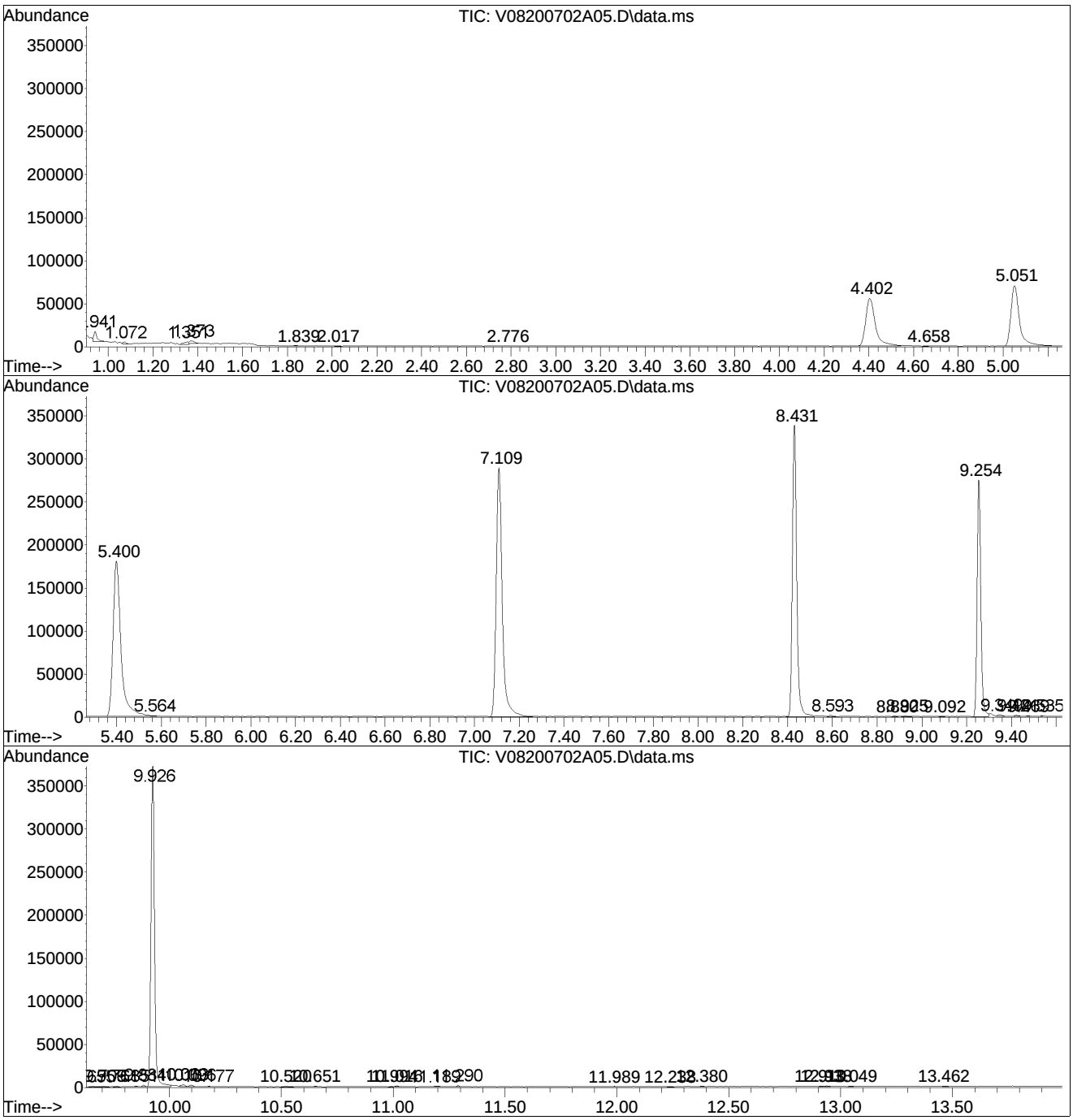
Sum of corrected areas: 2585235

LSC Report - Integrated Chromatogram

Data Path : I:\VOLATILES\VOA108\2020\200702A\
Data File : V08200702A05.D
Acq On : 2 Jul 2020 8:26 am
Operator : VOA108:PD
Sample : WG1388512-5,31,10,10
Misc : WG1388512,ICAL16918
ALS Vial : 5 Sample Multiplier: 1

Quant Method : I:\VOLATILES\VOA108\2020\200702A\V108_200623N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p



Library Search Compound Report

Data Path : I:\VOLATILES\VOA108\2020\200702A\
Data File : V08200702A05.D
Acq On : 2 Jul 2020 8:26 am
Operator : VOA108:PD
Sample : WG1388512-5,31,10,10
Misc : WG1388512,ICAL16918
ALS Vial : 5 Sample Multiplier: 1

Quant Method : I:\VOLATILES\VOA108\2020\200702A\V108_200623N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : I:\VOLATILES\VOA108\2020\200702A\
Data File : V08200702A05.D
Acq On : 2 Jul 2020 8:26 am
Operator : VOA108:PD
Sample : WG1388512-5,31,10,10
Misc : WG1388512,ICAL16918
ALS Vial : 5 Sample Multiplier: 1

Quant Method : I:\VOLATILES\VOA108\2020\200702A\V108_200623N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2020\200701A\
Data File : V22200701A01.D
Acq On : 01 Jul 2020 08:46 am
Operator : VOA122:PD
Sample : WG1388388-3,31,10,10
Misc : WG1388388,ICAL16903
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 01 09:12:26 2020
Quant Method : I:\VOLATILES\VOA122\2020\200701A\V122_200617N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jun 18 17:18:38 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2020\200701A\V22200701A01.D
Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.776	96	180591	10.000	ug/L	0.00
Standard Area 1 = 180591			Recovery = 100.00%			
62) Chlorobenzene-d5	9.298	117	157975	10.000	ug/L	0.00
Standard Area 1 = 157975			Recovery = 100.00%			
83) 1,4-Dichlorobenzene-d4	12.065	152	82999	10.000	ug/L	0.00
Standard Area 1 = 82999			Recovery = 100.00%			
System Monitoring Compounds						
38) Dibromofluoromethane	4.971	113	53785	10.718	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 107.18%			
46) 1,2-Dichloroethane-d4	5.494	65	50876	10.954	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 109.54%			
63) Toluene-d8	7.464	98	204409	9.378	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 93.78%			
87) 4-Bromofluorobenzene	10.828	95	68090	8.628	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 86.28%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.522	85	33500	9.421	ug/L	97
3) Chloromethane	1.709	50	51344	11.220	ug/L	97
4) Vinyl chloride	1.764	62	38790	9.480	ug/L	97
5) Bromomethane	2.052	94	11583	5.763	ug/L	98
6) Chloroethane	2.162	64	21148	9.789	ug/L	93
7) Trichlorofluoromethane	2.294	101	62062	10.868	ug/L	100
10) 1,1-Dichloroethene	2.770	96	36021	10.078	ug/L	87
11) Carbon disulfide	2.802	76	86478	9.760	ug/L	100
12) Freon-113	2.809	101	38208	10.507	ug/L	96
15) Methylene chloride	3.309	84	37156	9.695	ug/L #	67
17) Acetone	3.356	43	9036	12.238	ug/L	91
18) trans-1,2-Dichloroethene	3.457	96	39701	10.124	ug/L	88
19) Methyl acetate	3.473	43	23039	11.000	ug/L #	81
21) Methyl tert-butyl ether	3.559	73	75626	9.017	ug/L #	85
25) 1,1-Dichloroethane	4.027	63	74114	10.607	ug/L	94
30) cis-1,2-Dichloroethene	4.542	96	43693	10.323	ug/L	88
32) Bromochloromethane	4.722	128	23375	10.528	ug/L #	85
33) Cyclohexane	4.737	56	77721	10.232	ug/L	68
34) Chloroform	4.800	83	65956	10.279	ug/L	96
36) Carbon tetrachloride	4.932	117	64722	10.263	ug/L	97

Data Path : I:\VOLATILES\VOA122\2020\200701A\
Data File : V22200701A01.D
Acq On : 01 Jul 2020 08:46 am
Operator : VOA122:PD
Sample : WG1388388-3,31,10,10
Misc : WG1388388,ICAL16903
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 01 09:12:26 2020
Quant Method : I:\VOLATILES\VOA122\2020\200701A\V122_200617N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jun 18 17:18:38 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2020\200701A\V22200701A01.D
Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39) 1,1,1-Trichloroethane	5.002	97	64593	10.685	ug/L		98
41) 2-Butanone	5.096	43	14022	11.612	ug/L	#	66
44) Benzene	5.362	78	142234	9.035	ug/L	#	91
47) 1,2-Dichloroethane	5.564	62	55519	10.905	ug/L		99
50) Methyl cyclohexane	5.948	83	59381	8.870	ug/L	#	67
51) Trichloroethene	5.957	95	39979	9.179	ug/L		89
54) 1,2-Dichloropropane	6.493	63	39368	9.809	ug/L		95
57) Bromodichloromethane	6.562	83	47723	9.532	ug/L		99
60) 1,4-Dioxane	6.779	88	13611	753.357	ug/L	#	59
61) cis-1,3-Dichloropropene	7.254	75	54176	8.862	ug/L	#	92
64) Toluene	7.519	92	97753	9.137	ug/L		97
65) 4-Methyl-2-pentanone	7.964	58	10366	8.398	ug/L		89
66) Tetrachloroethene	7.964	166	48442	9.522	ug/L		97
68) trans-1,3-Dichloropropene	8.003	75	47052	8.699	ug/L		92
71) 1,1,2-Trichloroethane	8.182	83	22725	8.607	ug/L		95
72) Chlorodibromomethane	8.393	129	43712	9.487	ug/L		99
74) 1,2-Dibromoethane	8.666	107	31316	8.908	ug/L		98
76) 2-Hexanone	8.970	43	16943	7.508	ug/L		95
77) Chlorobenzene	9.321	112	118720	9.542	ug/L	#	83
78) Ethylbenzene	9.368	91	183975	9.263	ug/L		97
80) p/m Xylene	9.556	106	157749	19.152	ug/L		91
81) o Xylene	10.102	106	150894	18.786	ug/L		92
82) Styrene	10.172	104	244785	18.979	ug/L		94
84) Bromoform	10.180	173	24370	9.009	ug/L		99
86) Isopropylbenzene	10.492	105	120852	9.115	ug/L		95
91) 1,1,2,2-Tetrachloroethane	11.077	83	33494	8.450	ug/L		98
104) 1,3-Dichlorobenzene	11.981	146	105356	9.840	ug/L		99
105) 1,4-Dichlorobenzene	12.079	146	102871	9.723	ug/L		99
108) 1,2-Dichlorobenzene	12.503	146	94135	9.741	ug/L		97
110) 1,2-Dibromo-3-chloropr...	13.290	155	6579	8.609	ug/L		98
113) 1,2,4-Trichlorobenzene	13.930	180	50272	9.412	ug/L		97
115) 1,2,3-Trichlorobenzene	14.397	180	45200	9.301	ug/L		97

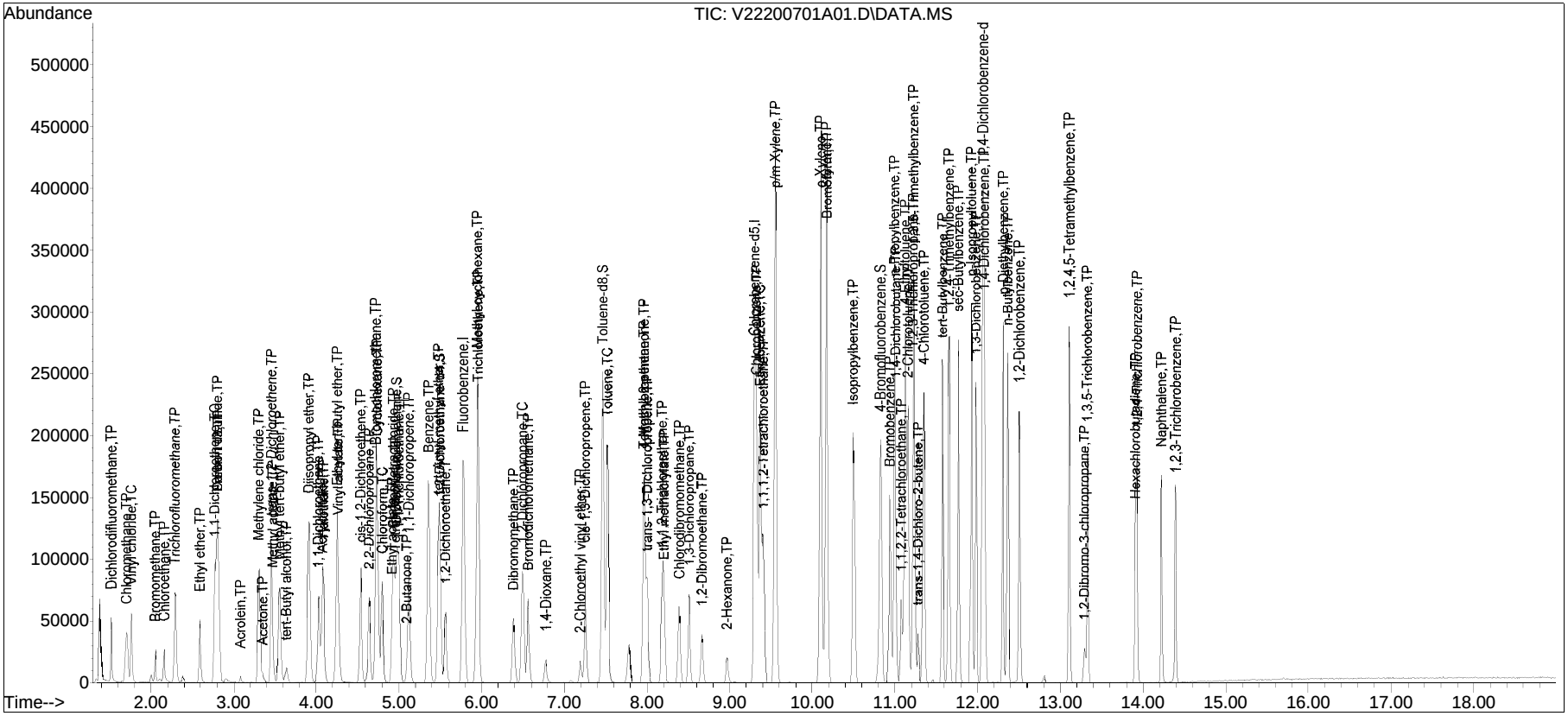
(#) = qualifier out of range (m) = manual integration (+) = signals summed

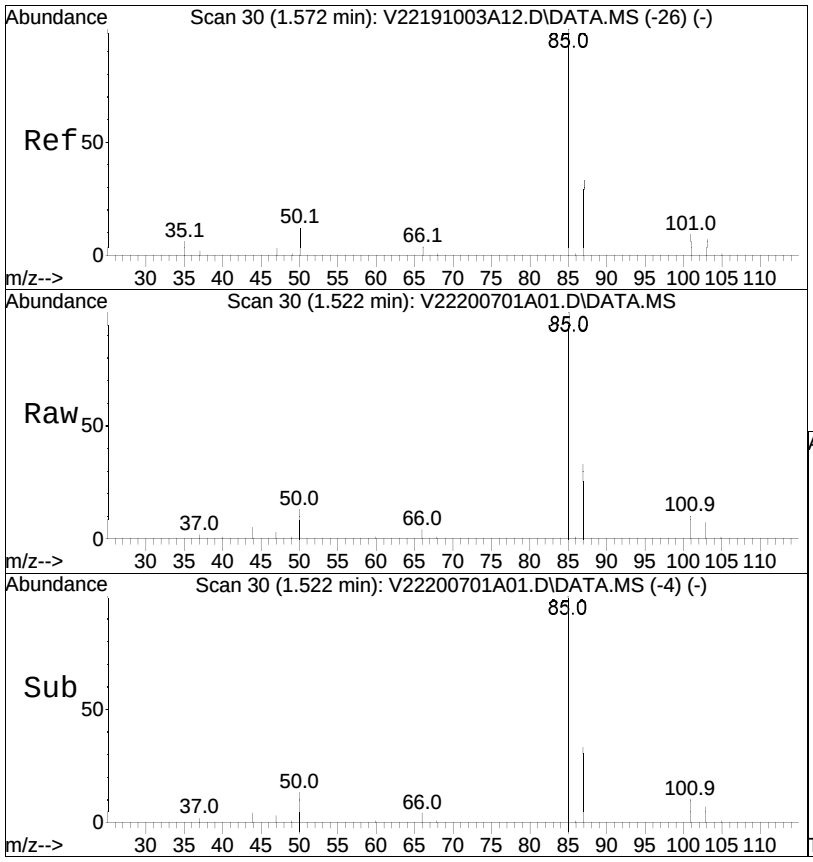
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2020\200701A\
Data File : V22200701A01.D
Acq On : 01 Jul 2020 08:46 am
Operator : VOA122:PD
Sample : WG1388388-3,31,10,10
Misc : WG1388388,ICAL16903
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 01 09:12:26 2020
Quant Method : I:\VOLATILES\VOA122\2020\200701A\V122_200617N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jun 18 17:18:38 2020
Response via : Initial Calibration

Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

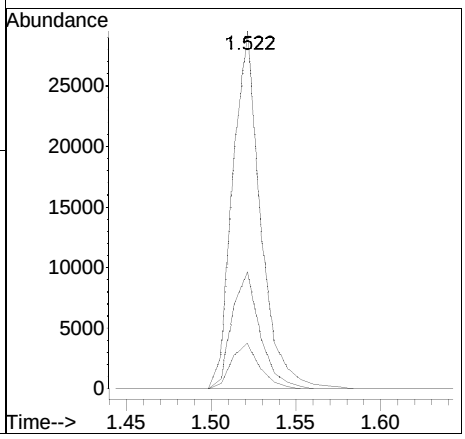


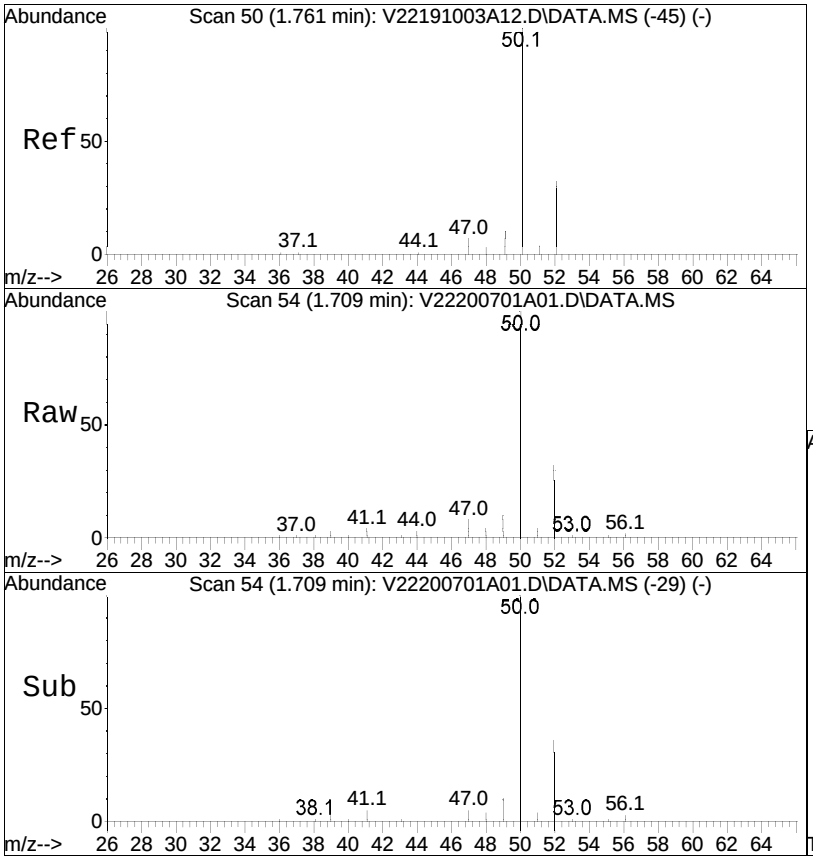


#2
Dichlorodifluoromethane
Concen: 9.42 ug/L
RT: 1.522 min Scan# 30
Delta R.T. -0.000 min
Lab File: V22200701A01.D
Acq: 01 Jul 2020 08:46 am

Tgt Ion: 85 Resp: 33500

Ion	Ratio	Lower	Upper
85	100		
87	33.1	20.7	42.9
50	13.0	6.8	14.2

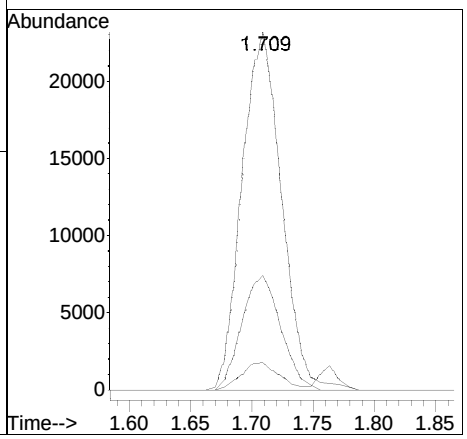


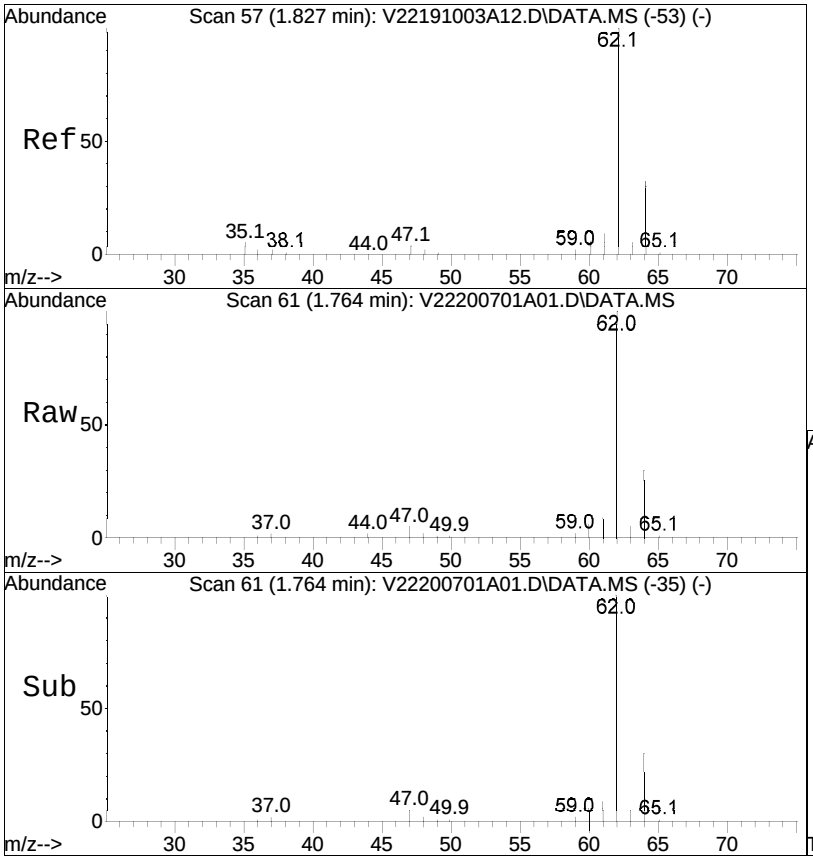


#3
Chloromethane
Concen: 11.22 ug/L
RT: 1.709 min Scan# 54
Delta R.T. -0.008 min
Lab File: V22200701A01.D
Acq: 01 Jul 2020 08:46 am

Tgt Ion: 50 Resp: 51344

Ion	Ratio	Lower	Upper
50	100		
52	31.6	12.8	52.8
47	7.5	0.0	30.0

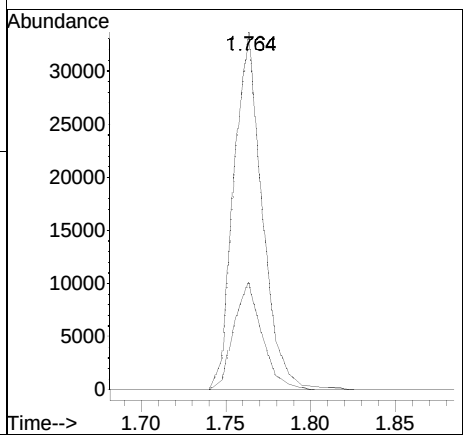


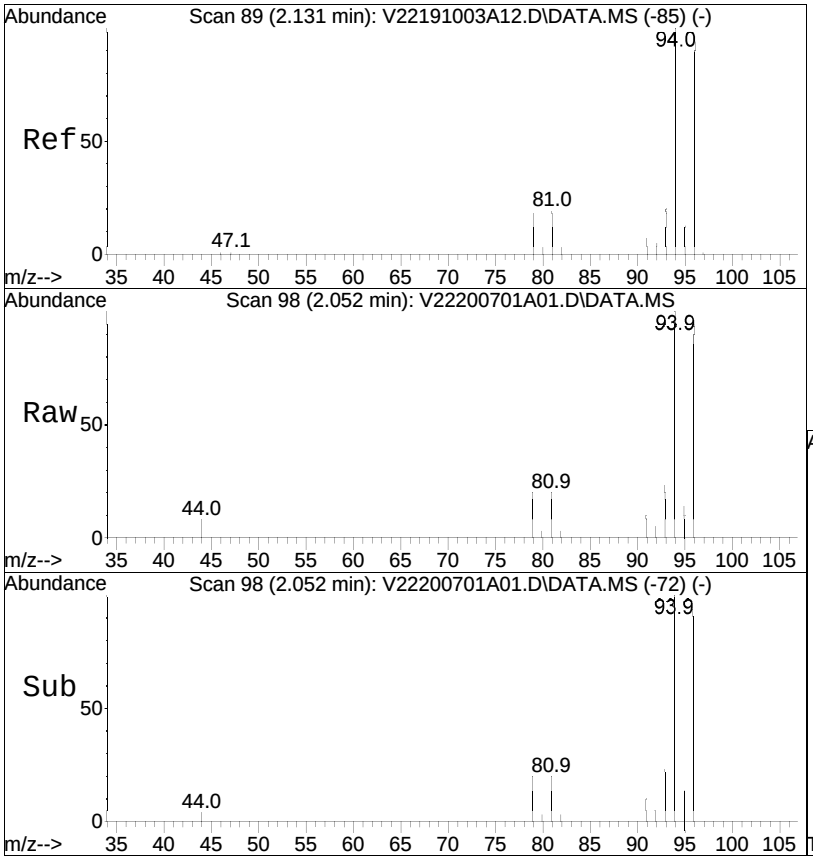


#4
Vinyl chloride
Concen: 9.48 ug/L
RT: 1.764 min Scan# 61
Delta R.T. -0.000 min
Lab File: V22200701A01.D
Acq: 01 Jul 2020 08:46 am

Tgt Ion: 62 Resp: 38790

Ion	Ratio	Lower	Upper
62	100		
64	30.1	12.0	52.0

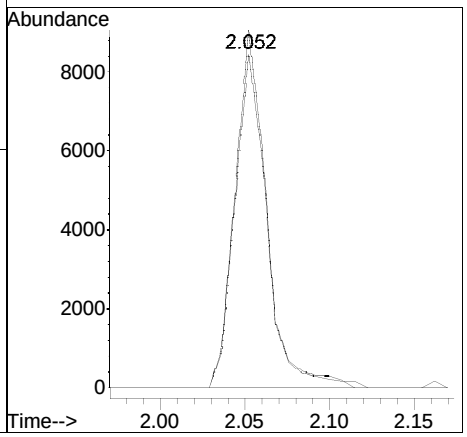


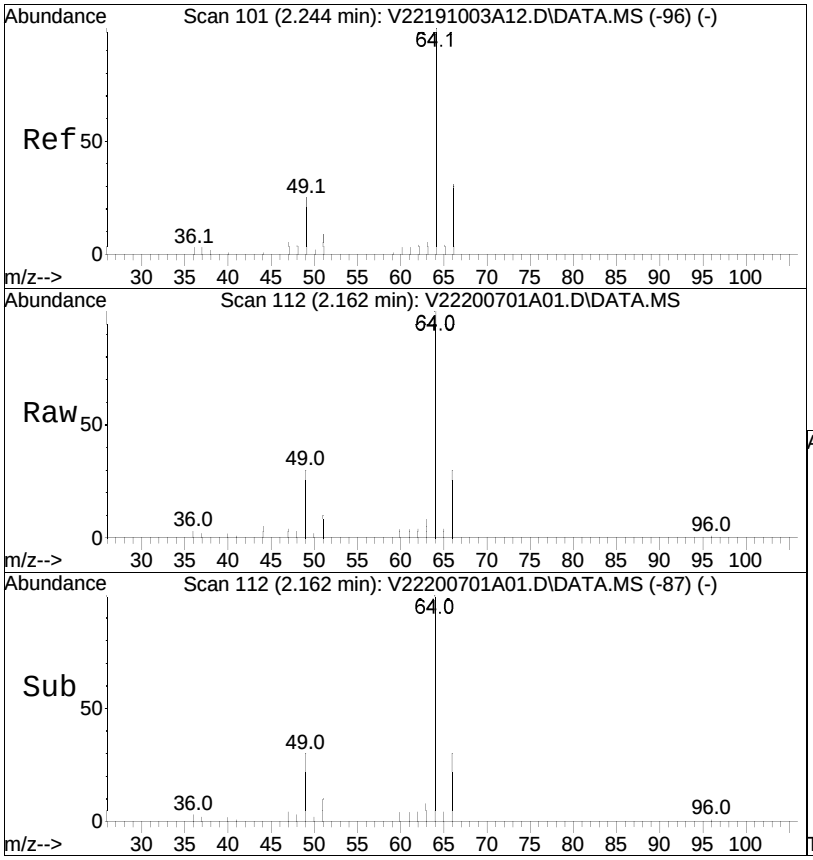


#5
Bromomethane
Concen: 5.76 ug/L
RT: 2.052 min Scan# 98
Delta R.T. -0.001 min
Lab File: V22200701A01.D
Acq: 01 Jul 2020 08:46 am

Tgt Ion: 94 Resp: 11583

Ion	Ratio	Lower	Upper
94	100		
96	95.0	72.8	112.8

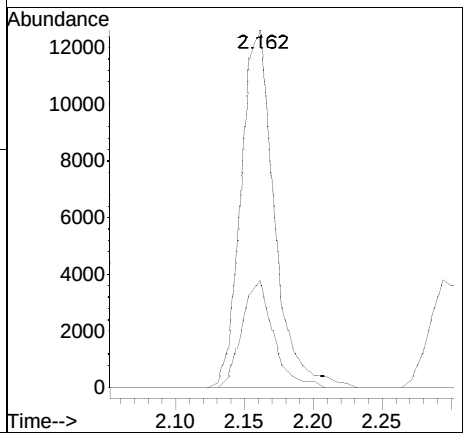


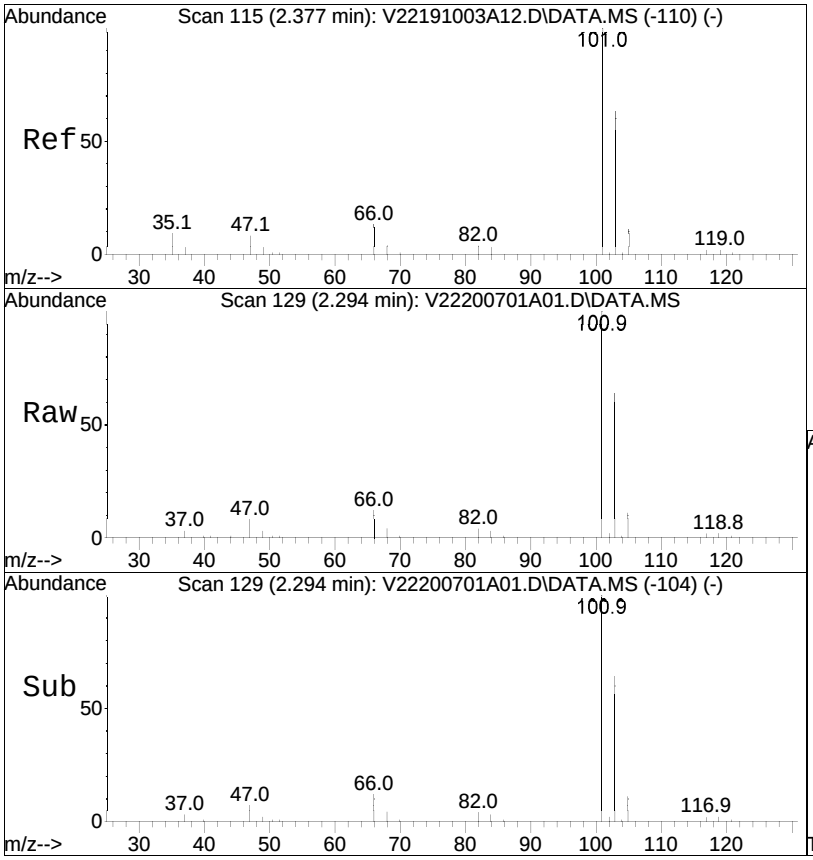


#6
Chloroethane
Concen: 9.79 ug/L
RT: 2.162 min Scan# 112
Delta R.T. -0.008 min
Lab File: V22200701A01.D
Acq: 01 Jul 2020 08:46 am

Tgt Ion: 64 Resp: 21148

Ion	Ratio	Lower	Upper
64	100		
66	28.6	12.2	52.2

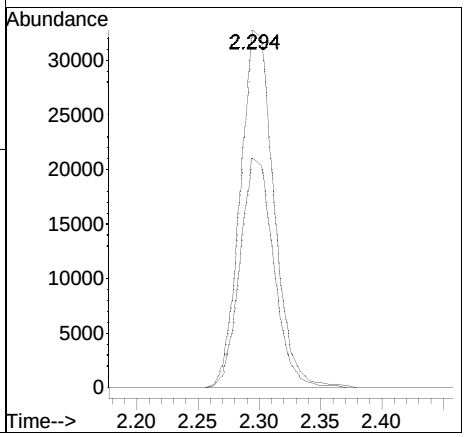


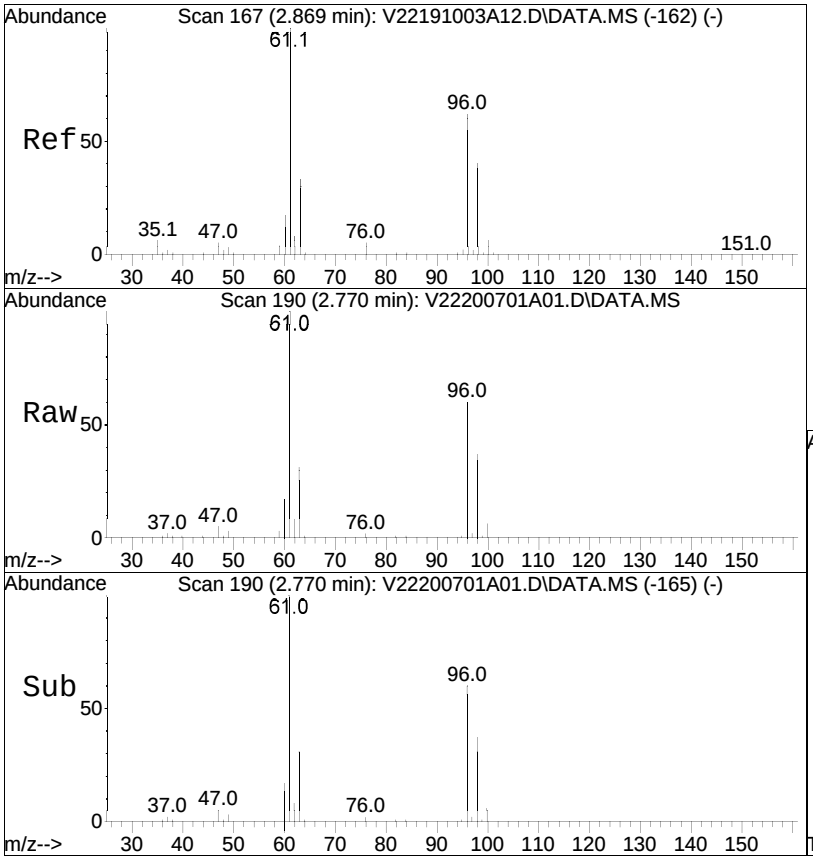


#7
Trichlorofluoromethane
Concen: 10.87 ug/L
RT: 2.294 min Scan# 129
Delta R.T. -0.008 min
Lab File: V22200701A01.D
Acq: 01 Jul 2020 08:46 am

Tgt Ion:101 Resp: 62062

Ion	Ratio	Lower	Upper
101	100		
103	64.5	51.6	77.4

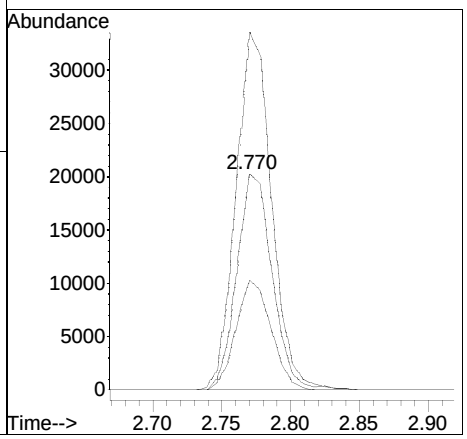


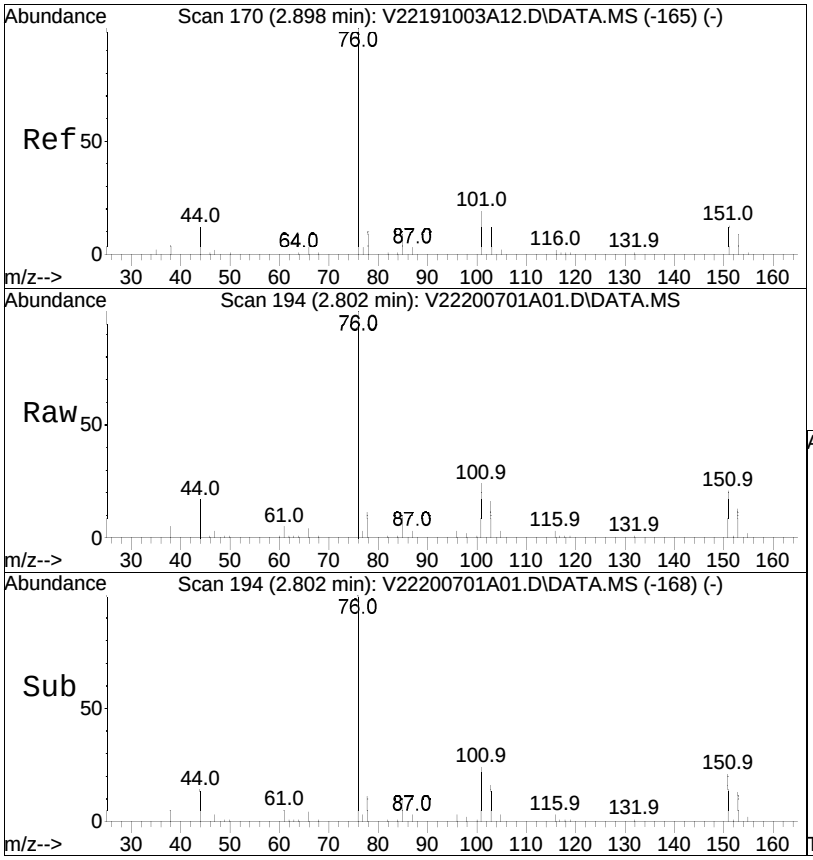


#10
1,1-Dichloroethene
Concen: 10.08 ug/L
RT: 2.770 min Scan# 190
Delta R.T. -0.008 min
Lab File: V22200701A01.D
Acq: 01 Jul 2020 08:46 am

Tgt Ion: 96 Resp: 36021

Ion	Ratio	Lower	Upper
96	100		
61	165.8	117.0	175.4
63	50.3	37.8	56.6

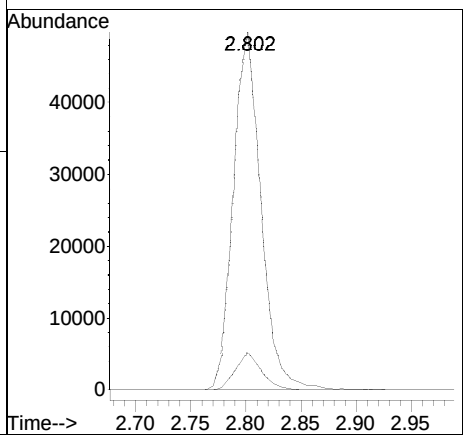


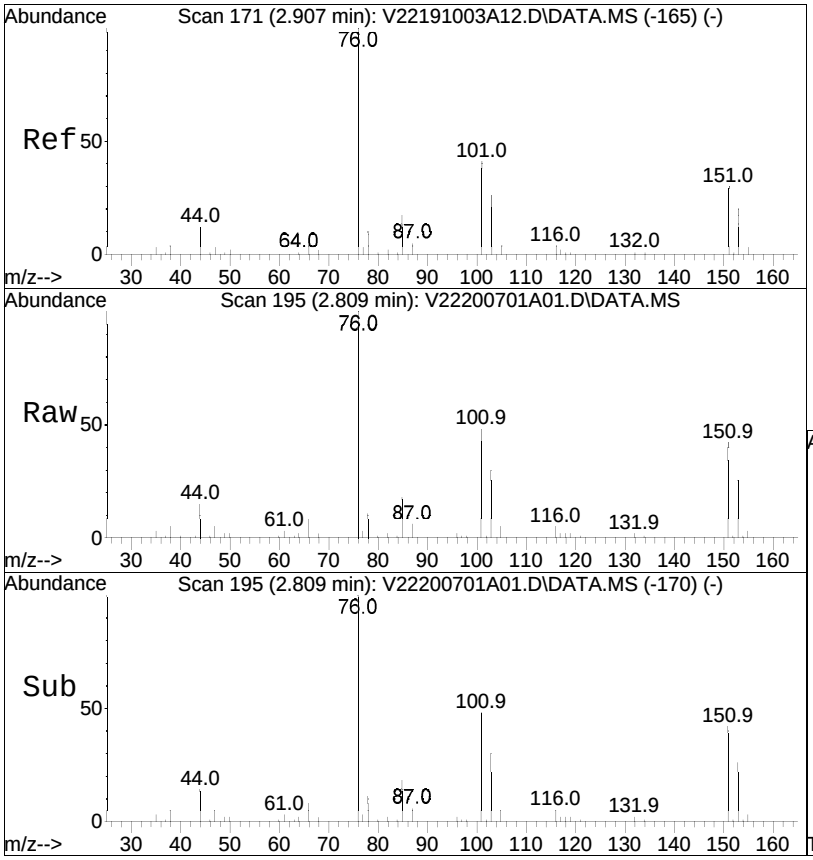


#11
Carbon disulfide
Concen: 9.76 ug/L
RT: 2.802 min Scan# 194
Delta R.T. -0.000 min
Lab File: V22200701A01.D
Acq: 01 Jul 2020 08:46 am

Tgt Ion: 76 Resp: 86478

Ion	Ratio	Lower	Upper
76	100		
78	9.9	6.4	13.4

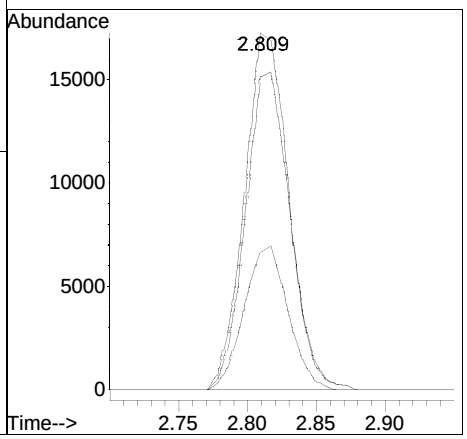


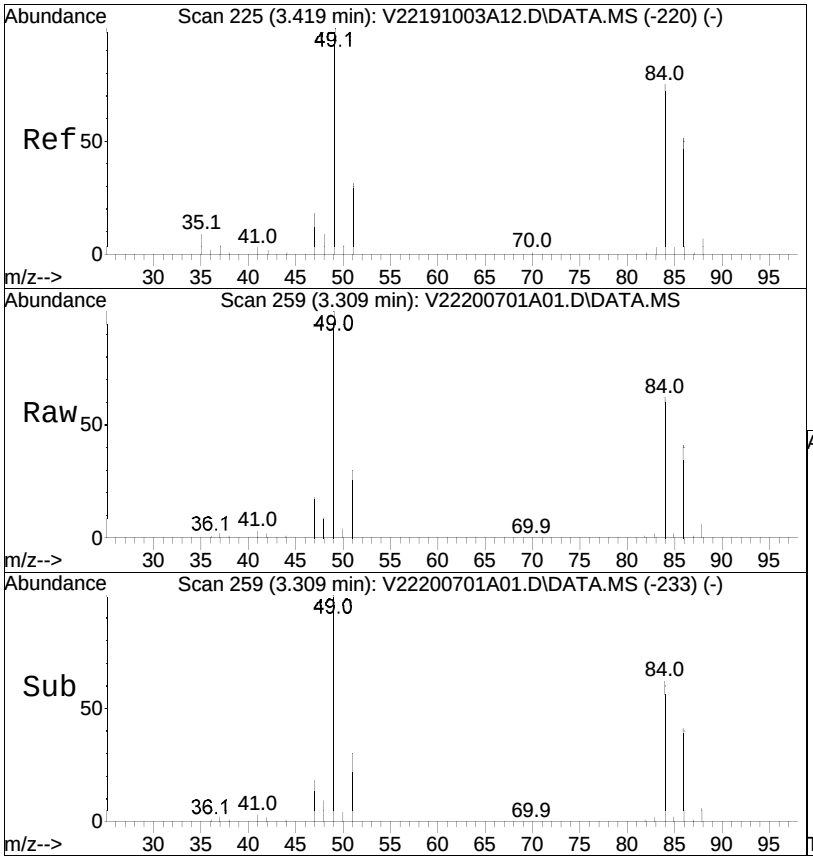


#12
Freon-113
Concen: 10.51 ug/L
RT: 2.809 min Scan# 195
Delta R.T. -0.008 min
Lab File: V22200701A01.D
Acq: 01 Jul 2020 08:46 am

Tgt Ion:101 Resp: 38208

Ion	Ratio	Lower	Upper
101	100		
151	90.1	68.5	102.7
85	40.1	33.1	49.7

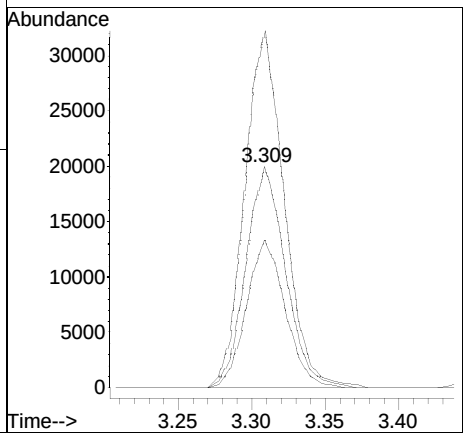


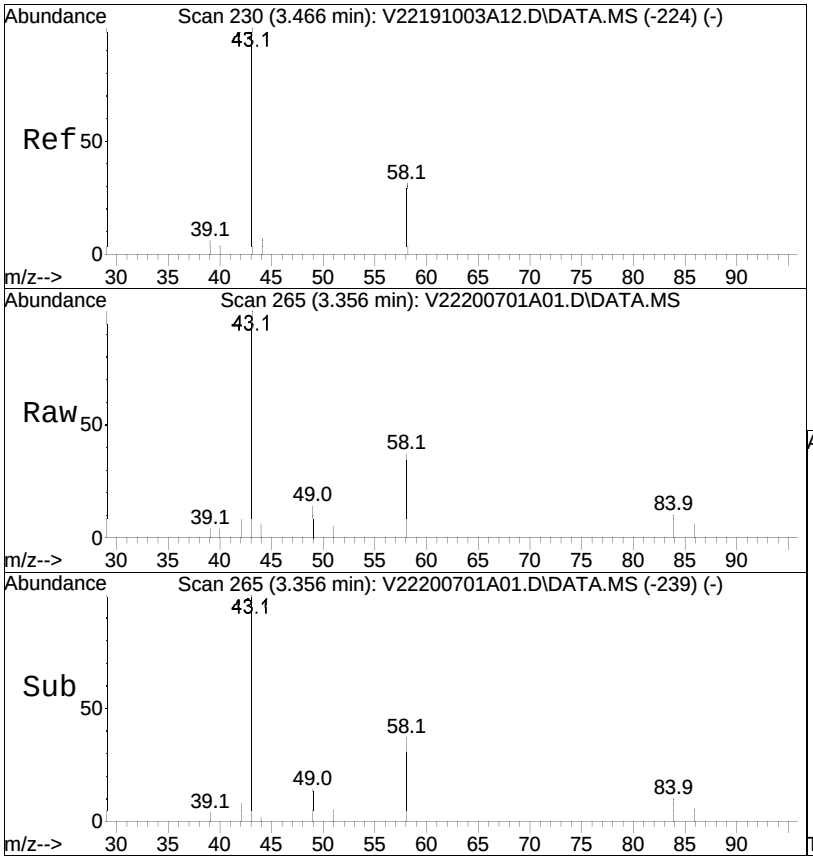


#15
Methylene chloride
Concen: 9.69 ug/L
RT: 3.309 min Scan# 259
Delta R.T. -0.000 min
Lab File: V22200701A01.D
Acq: 01 Jul 2020 08:46 am

Tgt Ion: 84 Resp: 37156

Ion	Ratio	Lower	Upper
84	100		
86	65.5	41.5	86.3
49	159.9	68.8	143.0#

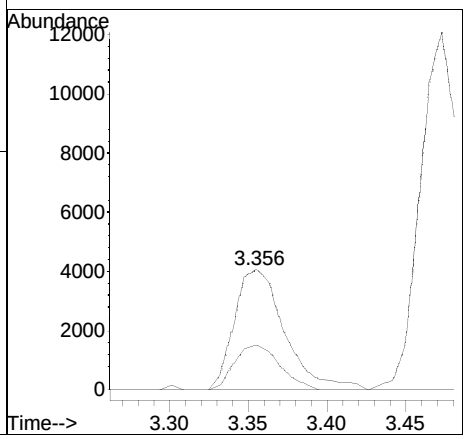


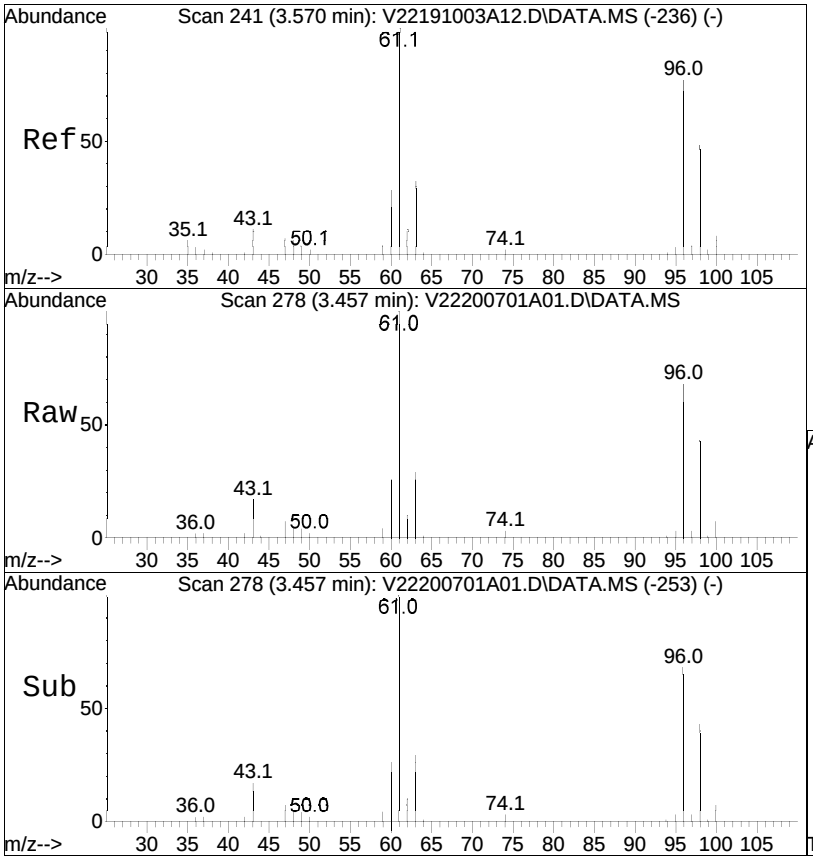


#17
Acetone
Concen: 12.24 ug/L
RT: 3.356 min Scan# 265
Delta R.T. -0.000 min
Lab File: V22200701A01.D
Acq: 01 Jul 2020 08:46 am

Tgt Ion: 43 Resp: 9036

Ion	Ratio	Lower	Upper
43	100		
58	33.6	23.1	34.7

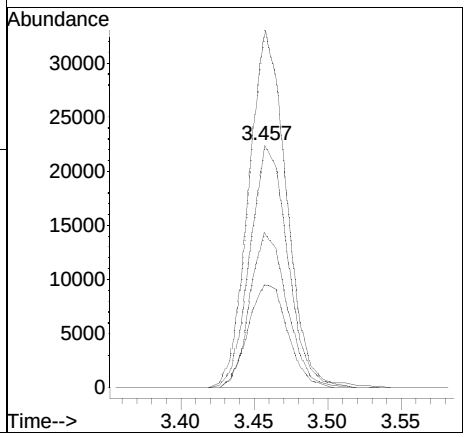


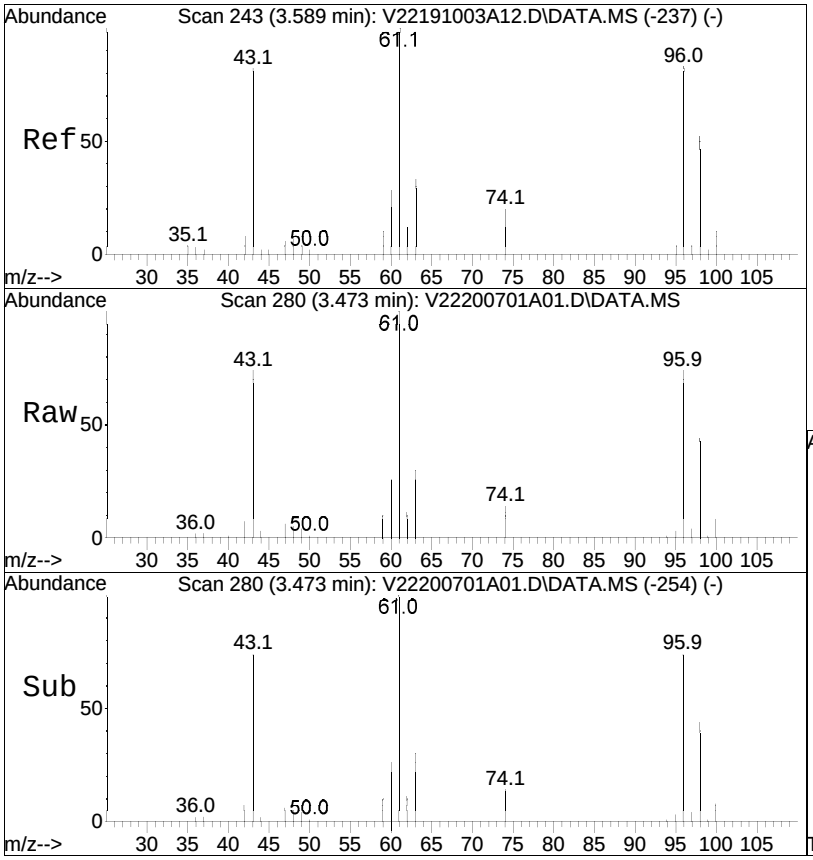


#18
trans-1,2-Dichloroethene
Concen: 10.12 ug/L
RT: 3.457 min Scan# 278
Delta R.T. -0.008 min
Lab File: V22200701A01.D
Acq: 01 Jul 2020 08:46 am

Tgt Ion: 96 Resp: 39701

Ion	Ratio	Lower	Upper
96	100		
61	147.7	81.6	169.6
98	63.4	41.8	86.8
63	44.9	26.3	54.7

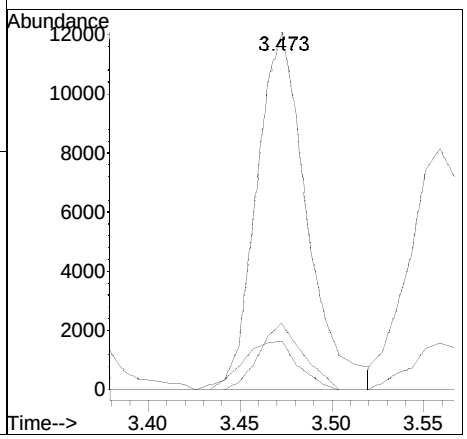


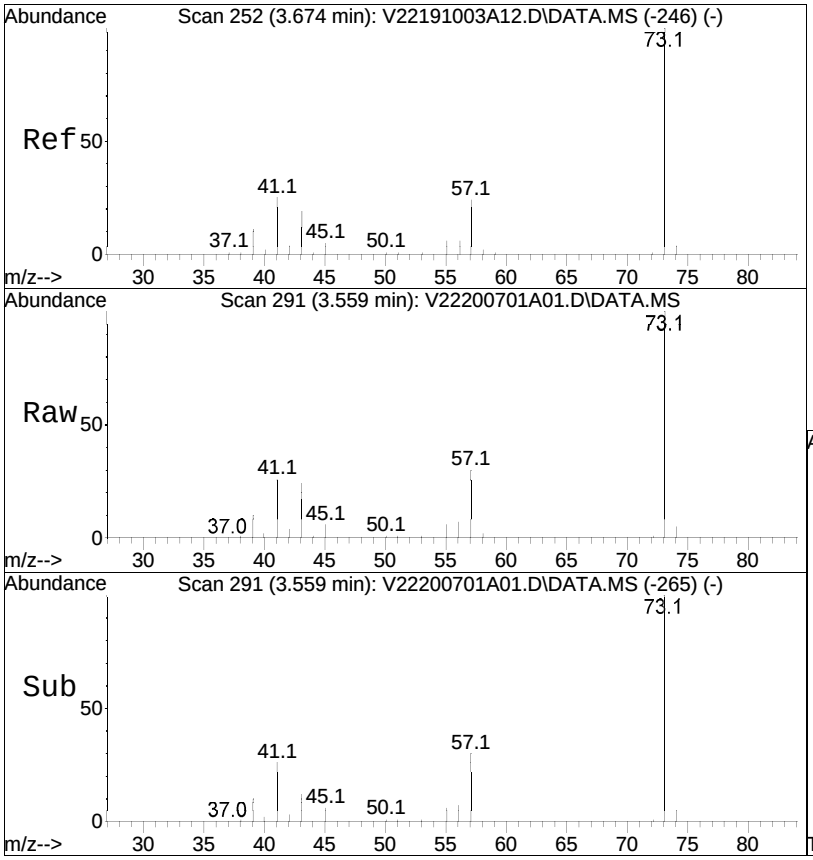


#19
Methyl acetate
Concen: 11.00 ug/L
RT: 3.473 min Scan# 280
Delta R.T. -0.000 min
Lab File: V22200701A01.D
Acq: 01 Jul 2020 08:46 am

Tgt Ion: 43 Resp: 23039

Ion	Ratio	Lower	Upper
43	100		
74	16.2	21.8	32.6#
59	14.7	18.1	27.1#

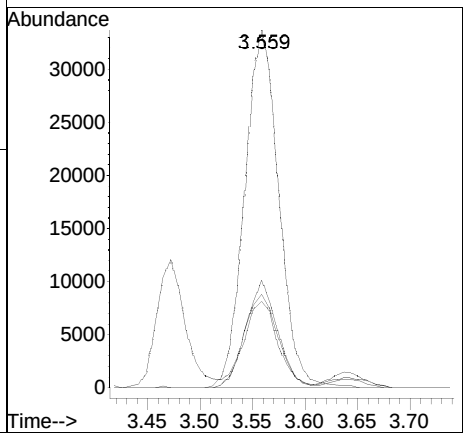


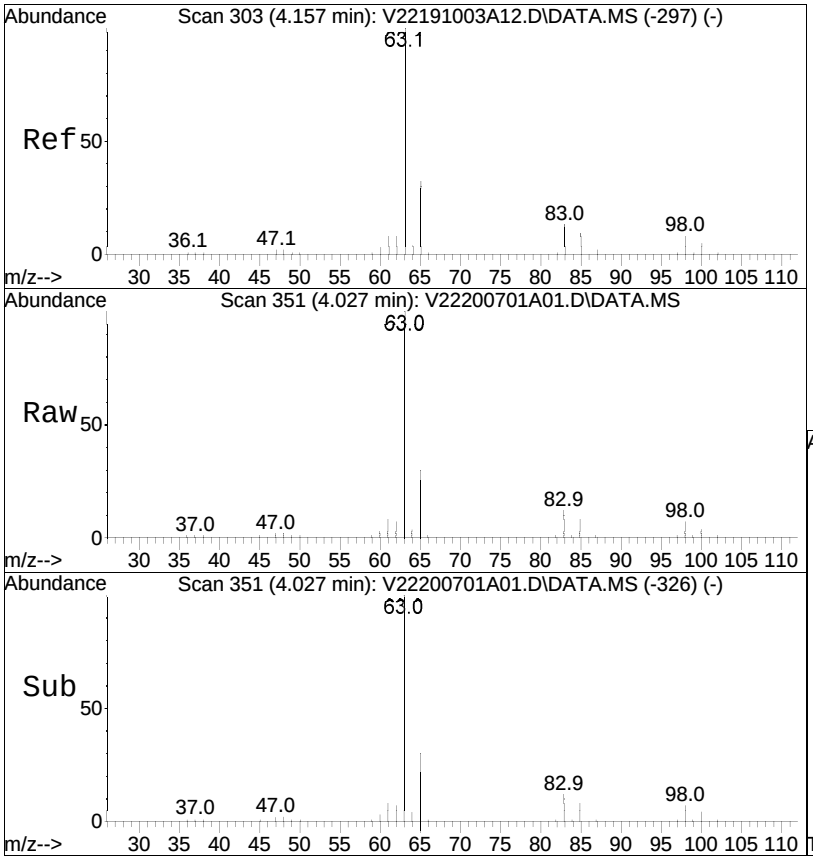


#21
Methyl tert-butyl ether
Concen: 9.02 ug/L
RT: 3.559 min Scan# 291
Delta R.T. -0.000 min
Lab File: V22200701A01.D
Acq: 01 Jul 2020 08:46 am

Tgt Ion: 73 Resp: 75626

Ion	Ratio	Lower	Upper
73	100		
57	28.4	13.6	28.2#
43	24.4	12.7	26.5
41	26.3	11.4	23.8#

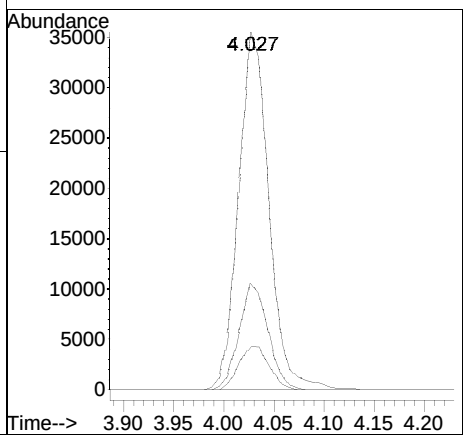


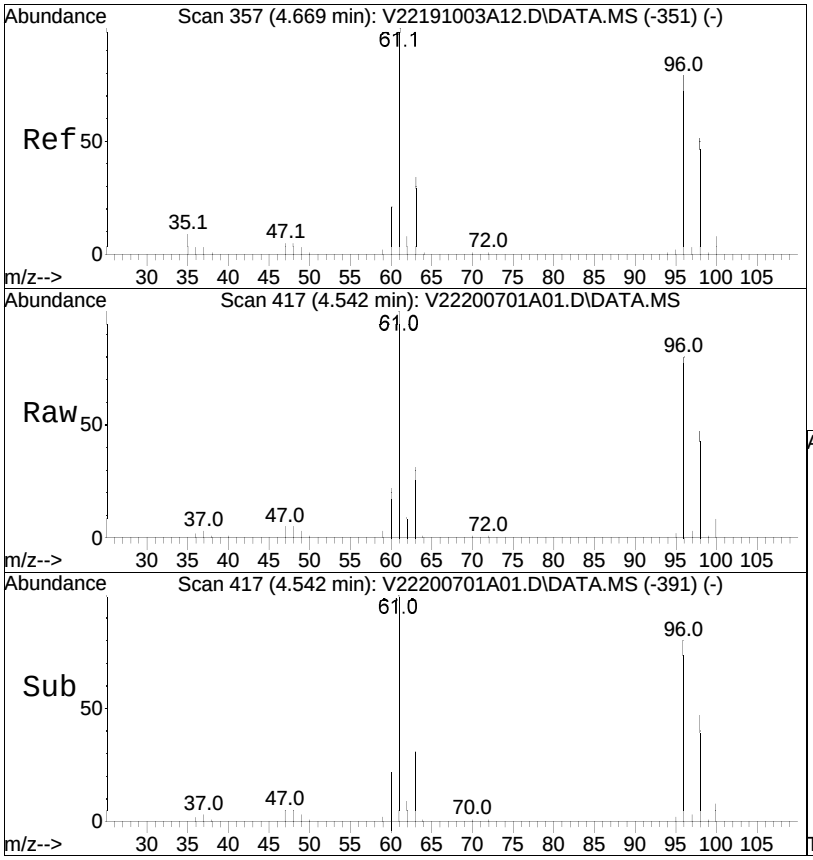


#25
1,1-Dichloroethane
Concen: 10.61 ug/L
RT: 4.027 min Scan# 351
Delta R.T. -0.008 min
Lab File: V22200701A01.D
Acq: 01 Jul 2020 08:46 am

Tgt Ion: 63 Resp: 74114

Ion	Ratio	Lower	Upper
63	100		
65	28.6	11.9	51.9
83	12.2	0.0	34.2

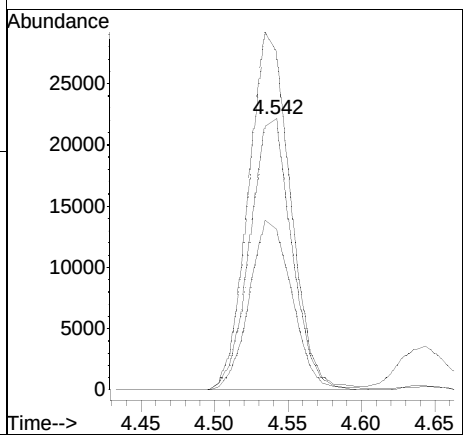


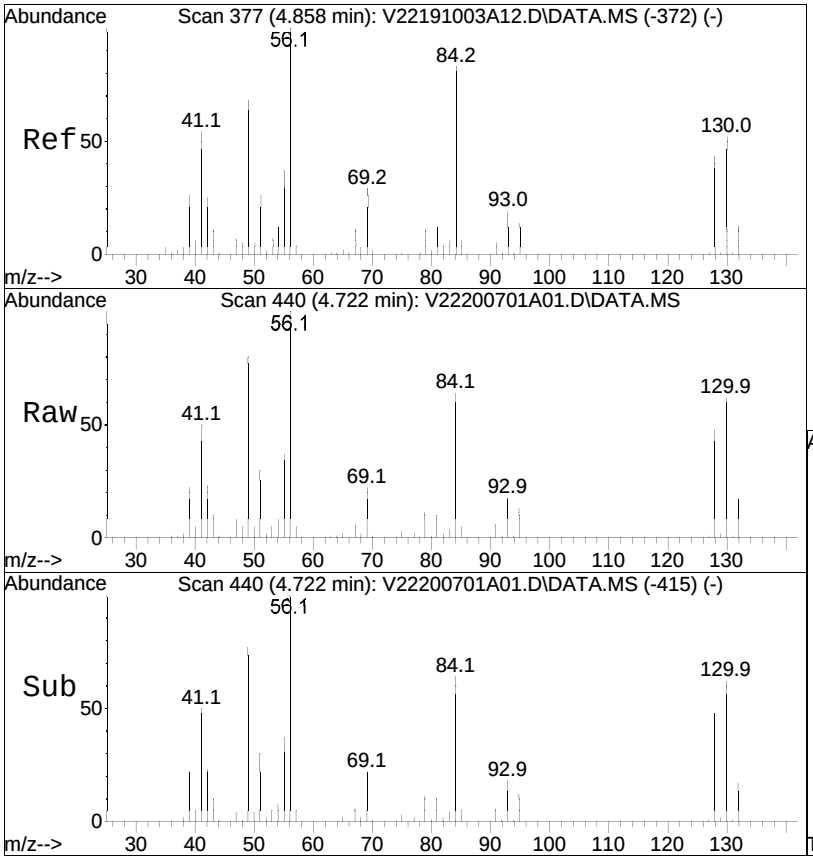


#30
cis-1,2-Dichloroethene
Concen: 10.32 ug/L
RT: 4.542 min Scan# 417
Delta R.T. 0.000 min
Lab File: V22200701A01.D
Acq: 01 Jul 2020 08:46 am

Tgt Ion: 96 Resp: 43693

Ion	Ratio	Lower	Upper
96	100		
61	132.2	90.3	135.5
98	63.7	50.8	76.2

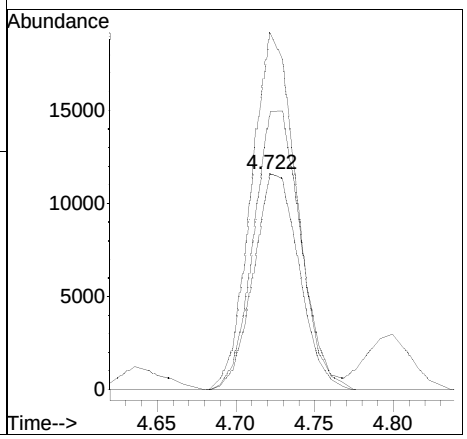


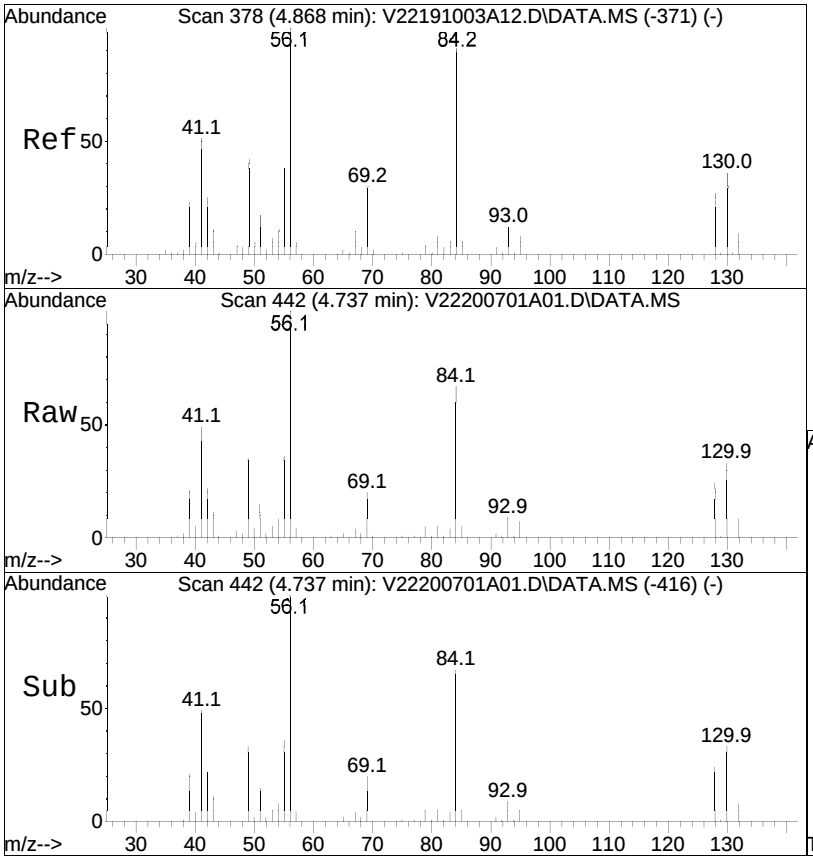


#32
Bromochloromethane
Concen: 10.53 ug/L
RT: 4.722 min Scan# 440
Delta R.T. -0.007 min
Lab File: V22200701A01.D
Acq: 01 Jul 2020 08:46 am

Tgt Ion:128 Resp: 23375

Ion	Ratio	Lower	Upper
128	100		
49	163.9	104.4	156.6#
130	132.1	103.9	155.9

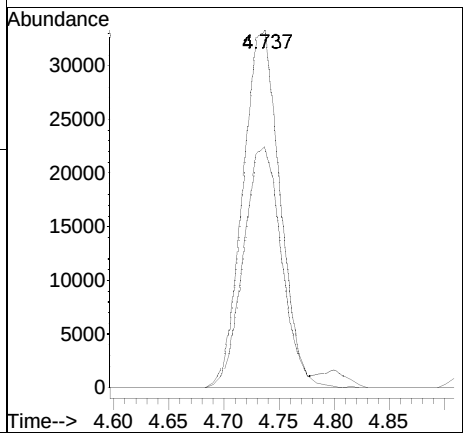


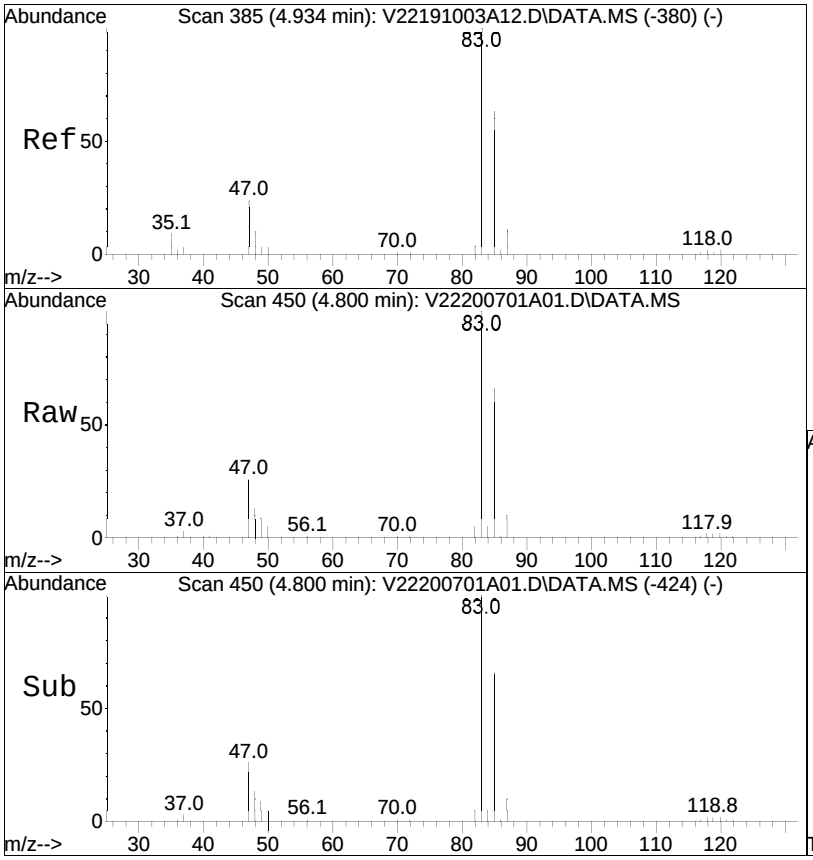


#33
Cyclohexane
Concen: 10.23 ug/L
RT: 4.737 min Scan# 442
Delta R.T. 0.000 min
Lab File: V22200701A01.D
Acq: 01 Jul 2020 08:46 am

Tgt Ion: 56 Resp: 77721

Ion	Ratio	Lower	Upper
56	100		
84	69.3	66.0	137.2

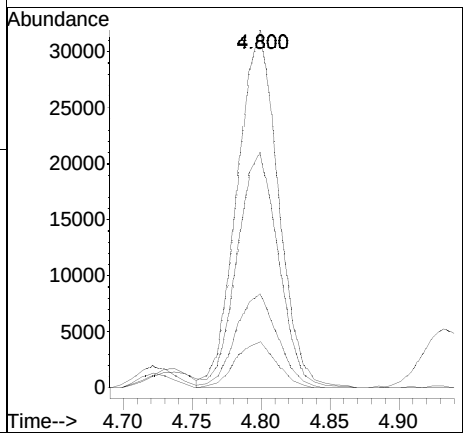


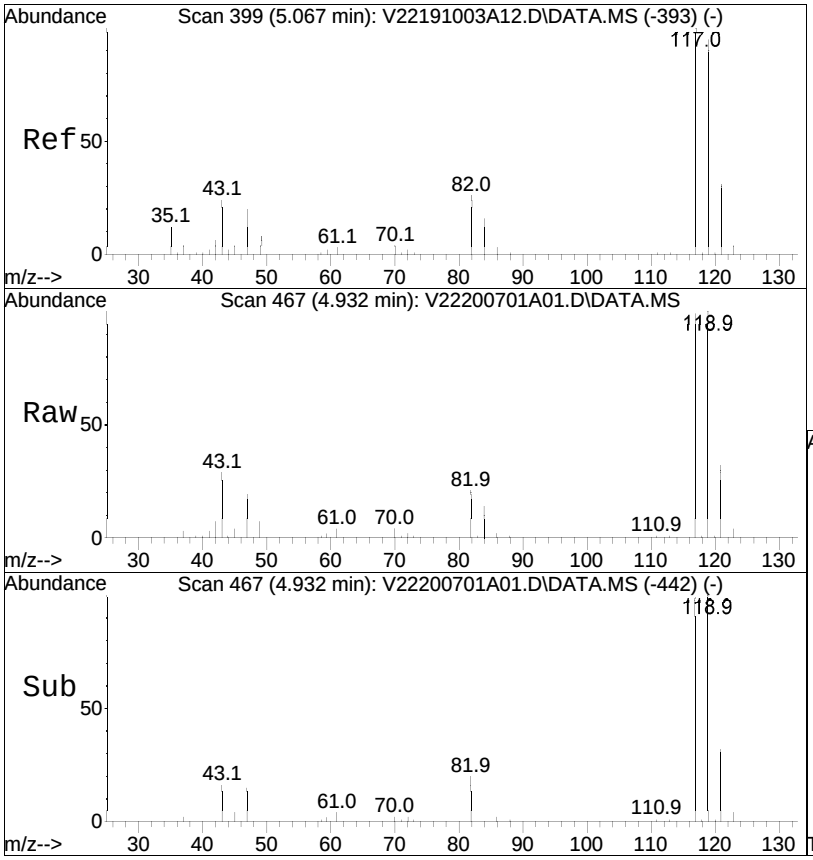


#34
Chloroform
Concen: 10.28 ug/L
RT: 4.800 min Scan# 450
Delta R.T. -0.000 min
Lab File: V22200701A01.D
Acq: 01 Jul 2020 08:46 am

Tgt Ion: 83 Resp: 65956

Ion	Ratio	Lower	Upper
83	100		
85	65.9	42.4	88.2
47	27.0	14.0	29.0
48	12.9	6.9	14.3

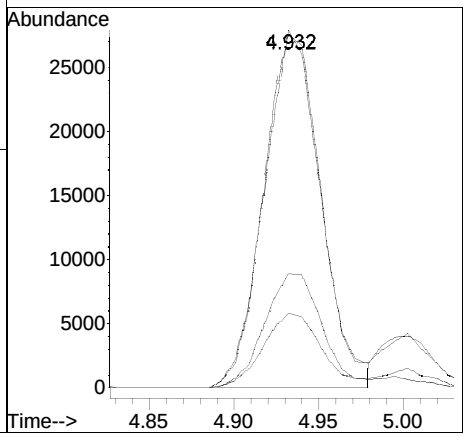


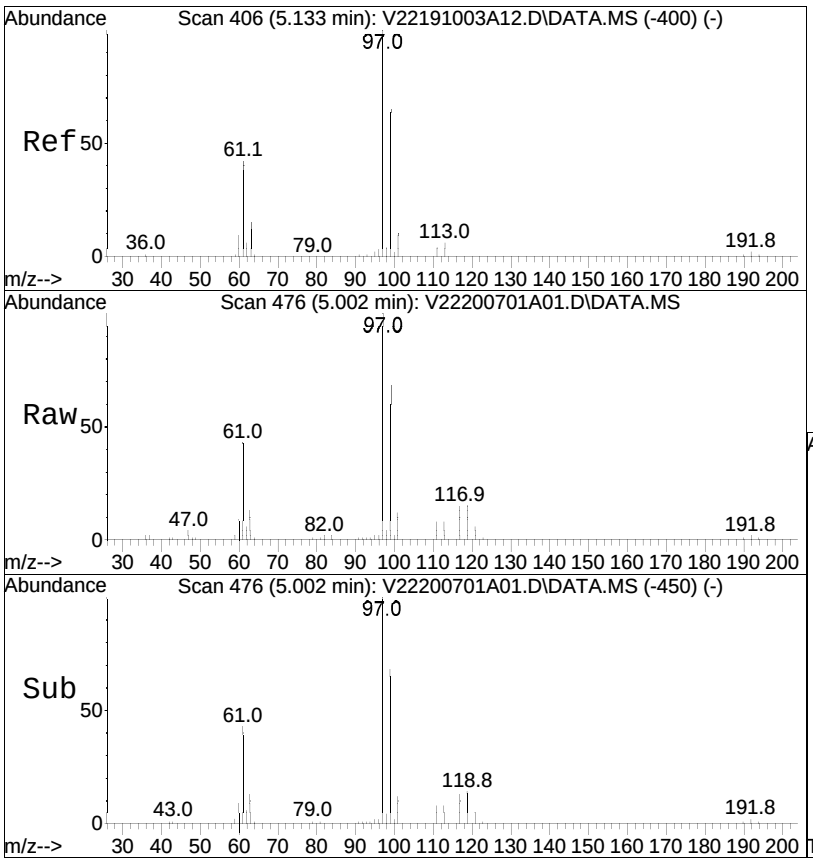


#36
Carbon tetrachloride
Concen: 10.26 ug/L
RT: 4.932 min Scan# 467
Delta R.T. -0.008 min
Lab File: V22200701A01.D
Acq: 01 Jul 2020 08:46 am

Tgt Ion:117 Resp: 64722

Ion	Ratio	Lower	Upper
117	100		
119	98.4	62.1	129.1
121	32.5	20.3	42.3
82	21.7	15.4	32.0

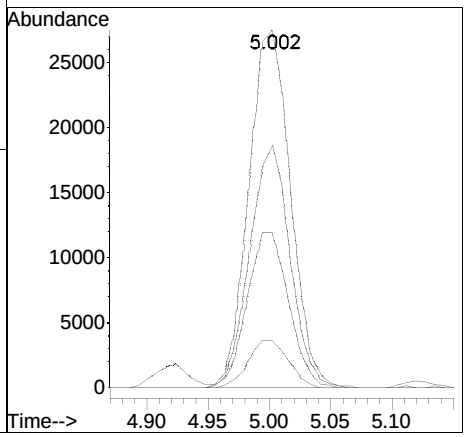


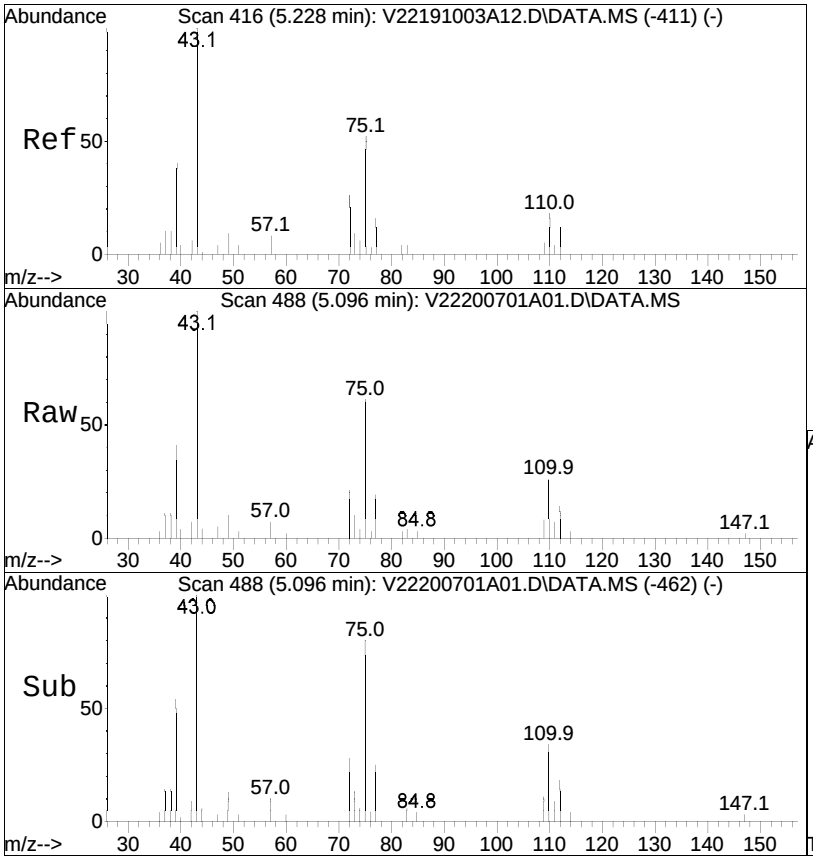


#39
1,1,1-Trichloroethane
Concen: 10.68 ug/L
RT: 5.002 min Scan# 476
Delta R.T. -0.001 min
Lab File: V22200701A01.D
Acq: 01 Jul 2020 08:46 am

Tgt Ion: 97 Resp: 64593

Ion	Ratio	Lower	Upper
97	100		
99	65.8	42.4	88.0
61	43.5	26.0	54.0
63	13.0	8.3	17.3

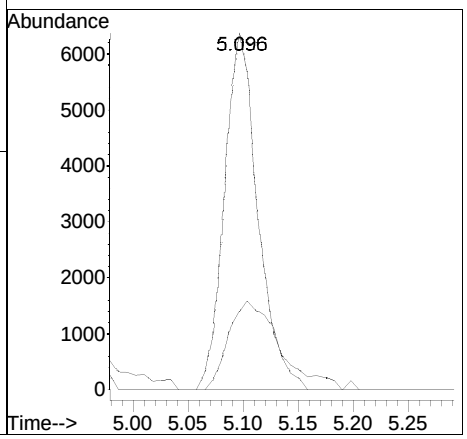


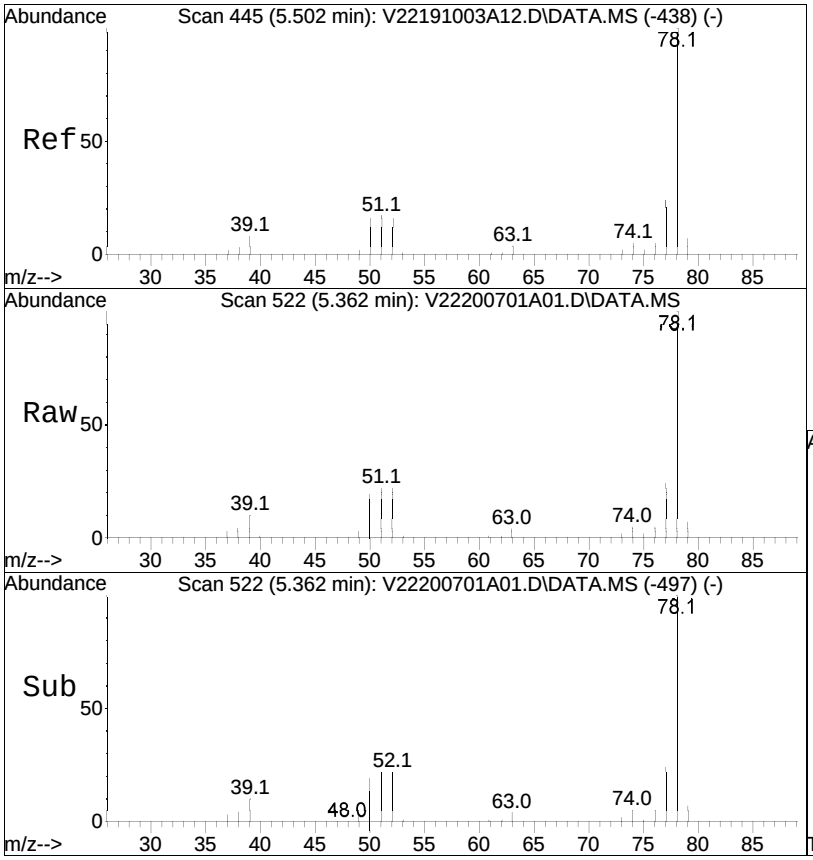


#41
2-Butanone
Concen: 11.61 ug/L
RT: 5.096 min Scan# 488
Delta R.T. 0.000 min
Lab File: V22200701A01.D
Acq: 01 Jul 2020 08:46 am

Tgt Ion: 43 Resp: 14022

Ion	Ratio	Lower	Upper
43	100		
72	32.5	45.8	68.8#

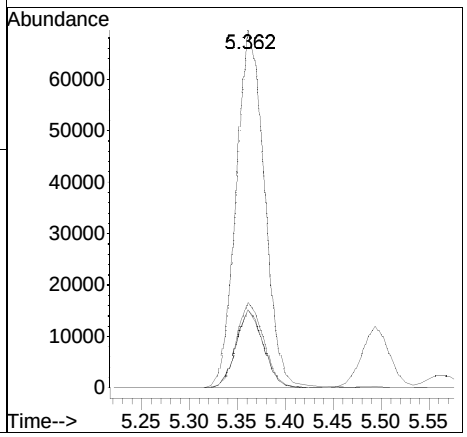


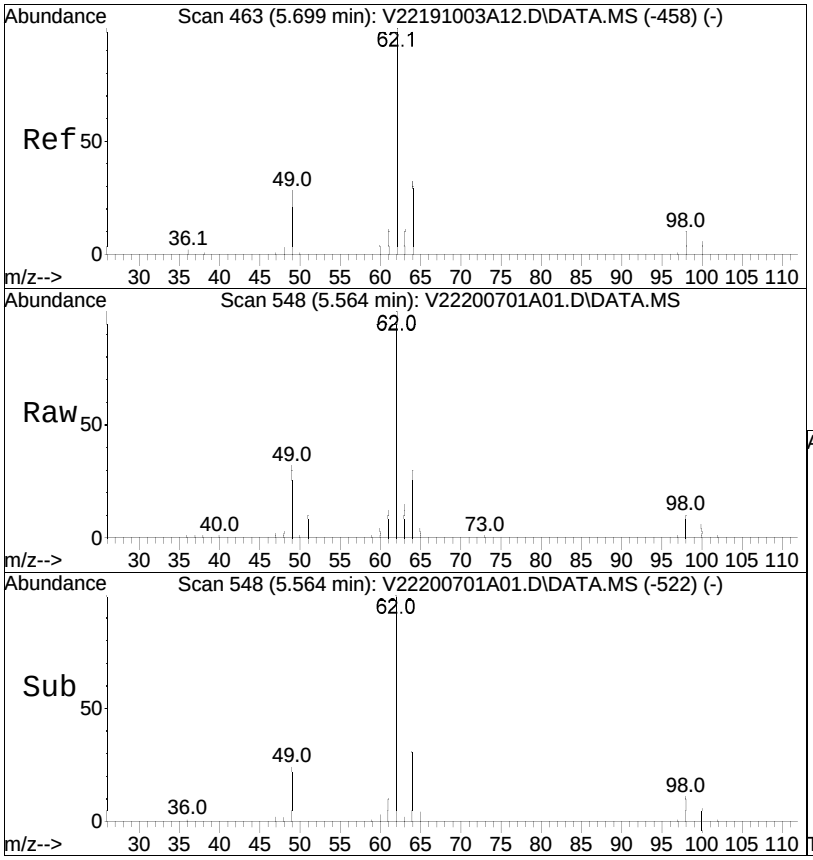


#44
Benzene
Concen: 9.03 ug/L
RT: 5.362 min Scan# 522
Delta R.T. -0.007 min
Lab File: V22200701A01.D
Acq: 01 Jul 2020 08:46 am

Tgt Ion: 78 Resp: 142234

Ion	Ratio	Lower	Upper
78	100		
77	23.2	15.4	32.0
51	21.0	9.8	20.4#
52	21.2	9.2	19.2#

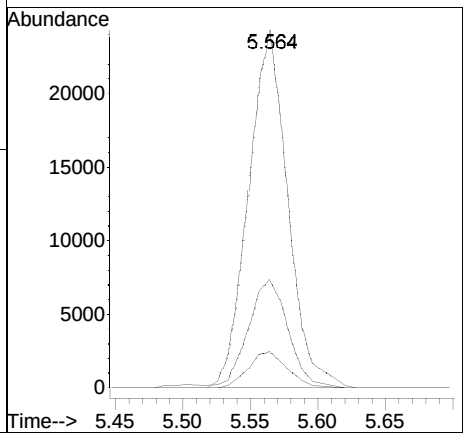


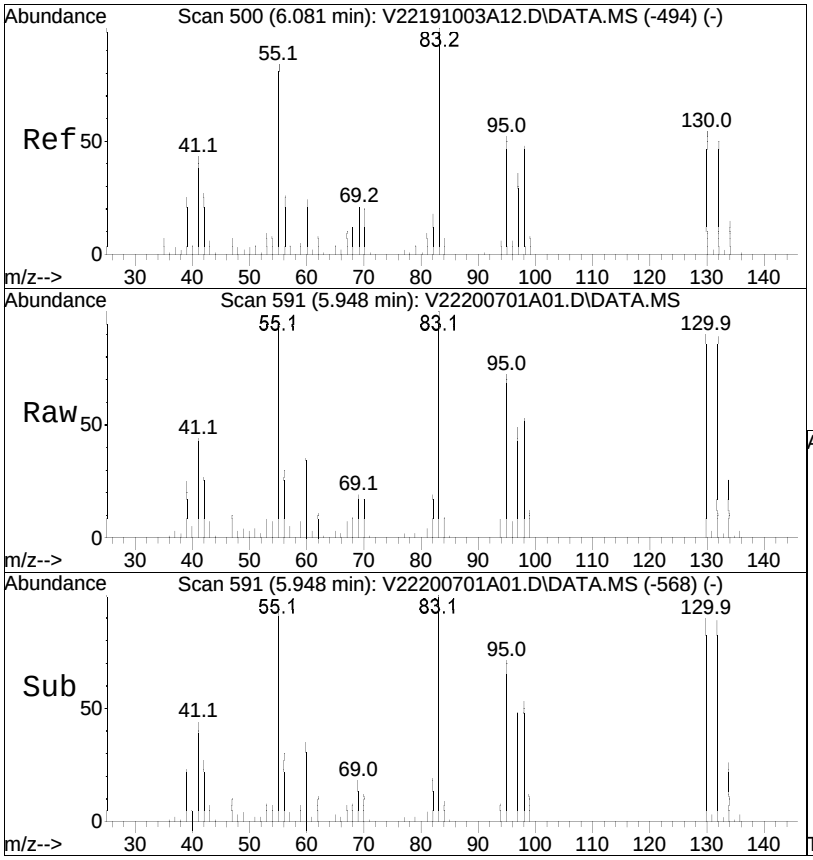


#47
1,2-Dichloroethane
Concen: 10.90 ug/L
RT: 5.564 min Scan# 548
Delta R.T. -0.001 min
Lab File: V22200701A01.D
Acq: 01 Jul 2020 08:46 am

Tgt Ion: 62 Resp: 55519

Ion	Ratio	Lower	Upper
62	100		
64	31.5	12.3	52.3
98	10.5	0.0	30.3

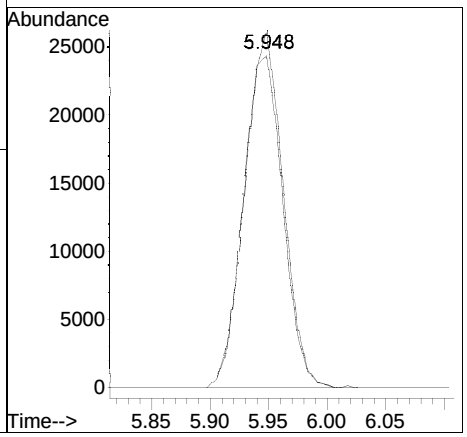


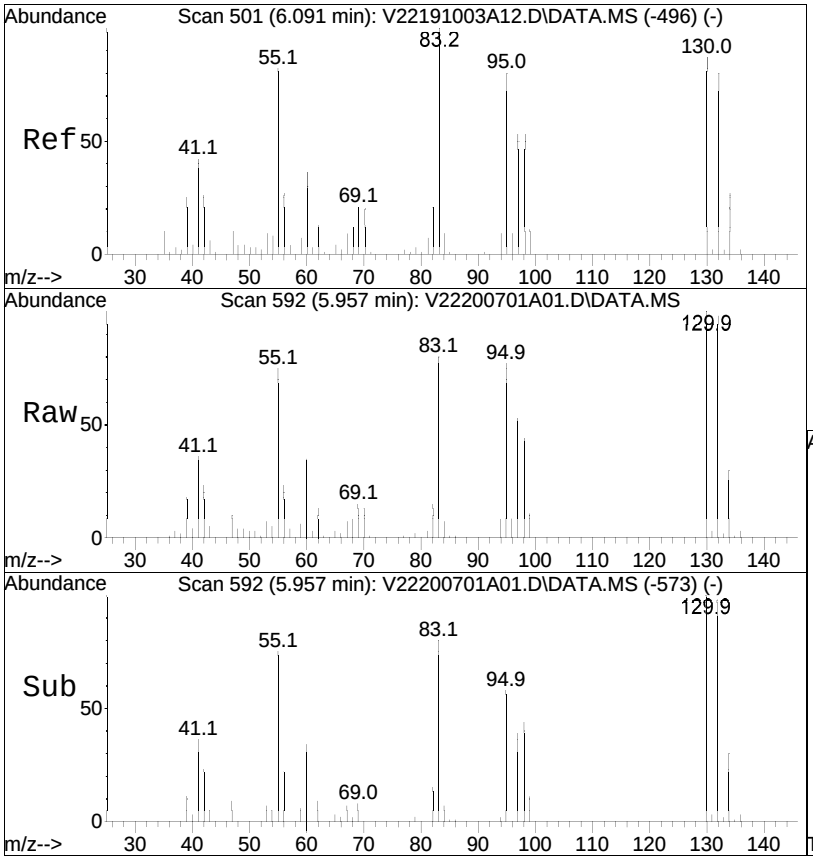


#50
Methyl cyclohexane
Concen: 8.87 ug/L
RT: 5.948 min Scan# 591
Delta R.T. -0.001 min
Lab File: V22200701A01.D
Acq: 01 Jul 2020 08:46 am

Tgt Ion: 83 Resp: 59381

Ion	Ratio	Lower	Upper
83	100		
55	96.3	55.4	83.2#

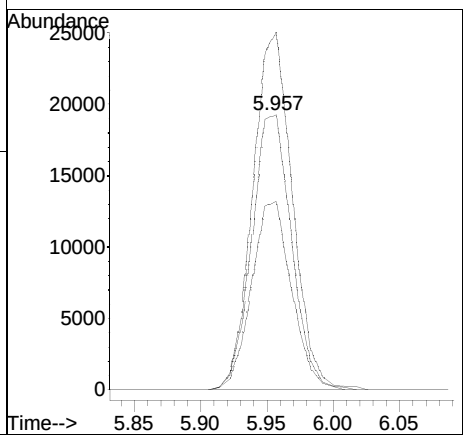


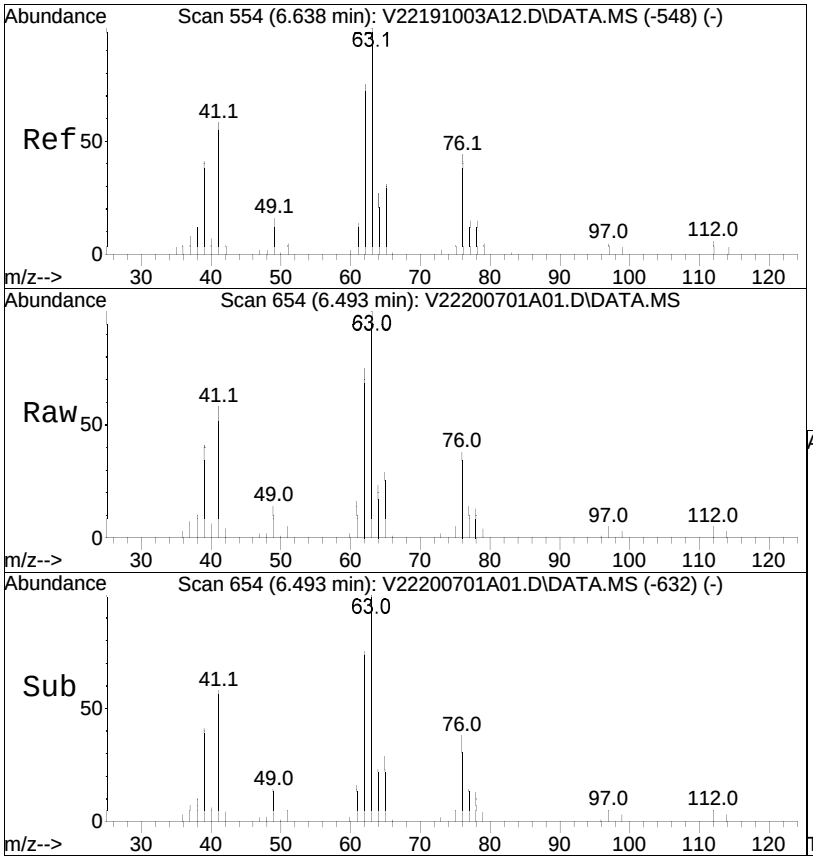


#51
Trichloroethene
Concen: 9.18 ug/L
RT: 5.957 min Scan# 592
Delta R.T. 0.000 min
Lab File: V22200701A01.D
Acq: 01 Jul 2020 08:46 am

Tgt Ion: 95 Resp: 39979

Ion	Ratio	Lower	Upper
95	100		
97	69.0	55.0	82.4
130	129.4	89.2	133.8

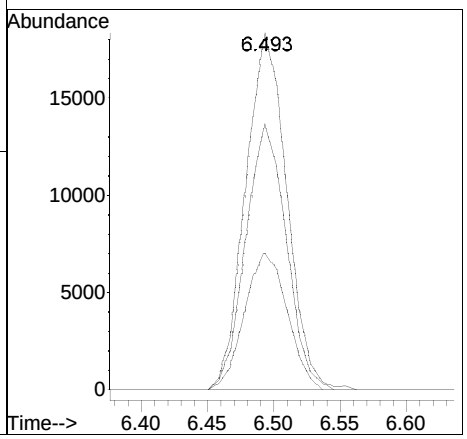


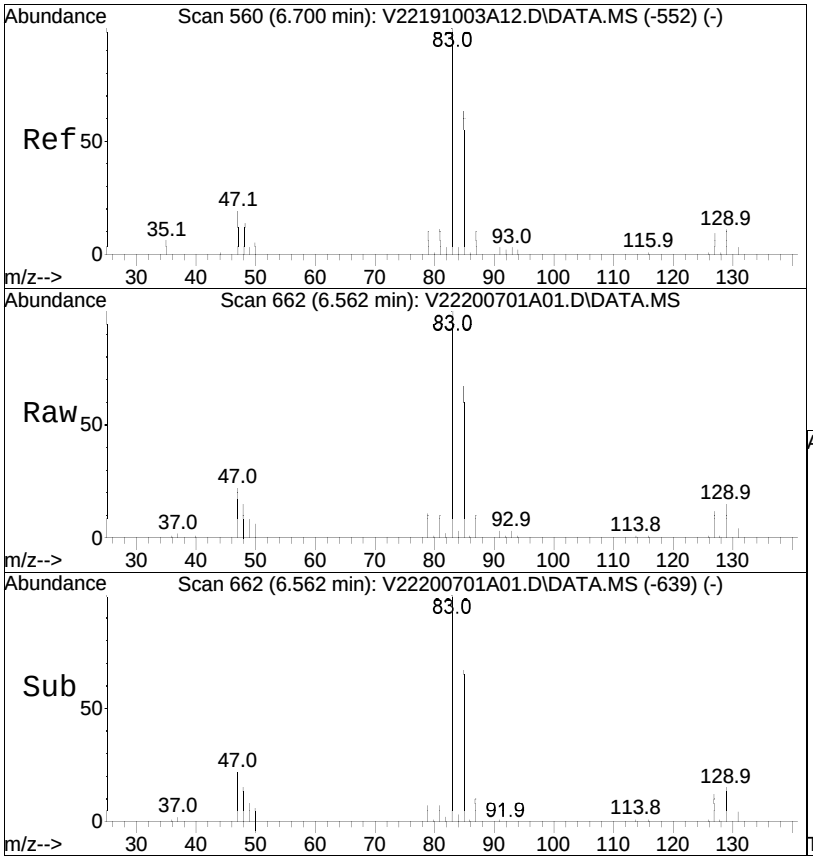


#54
1,2-Dichloropropane
Concen: 9.81 ug/L
RT: 6.493 min Scan# 654
Delta R.T. -0.009 min
Lab File: V22200701A01.D
Acq: 01 Jul 2020 08:46 am

Tgt Ion: 63 Resp: 39368

Ion	Ratio	Lower	Upper
63	100		
62	73.3	56.9	85.3
76	39.9	35.8	53.8

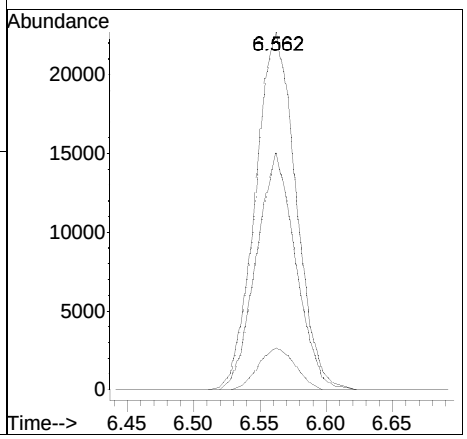


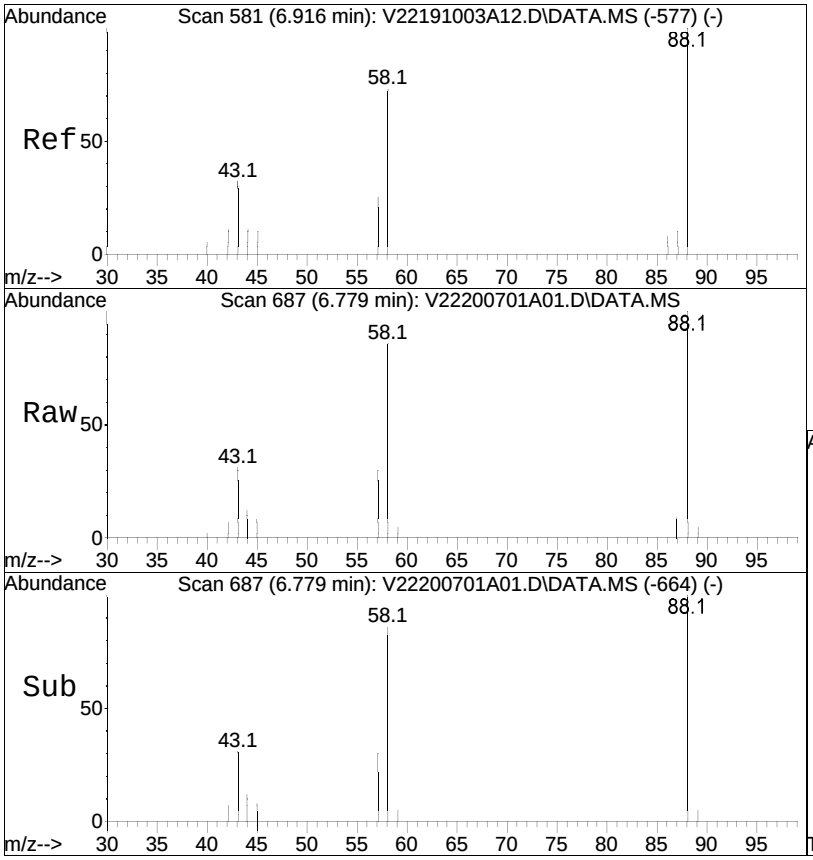


#57
Bromodichloromethane
Concen: 9.53 ug/L
RT: 6.562 min Scan# 662
Delta R.T. -0.001 min
Lab File: V22200701A01.D
Acq: 01 Jul 2020 08:46 am

Tgt Ion: 83 Resp: 47723

Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.6	77.4
127	10.7	7.4	11.0

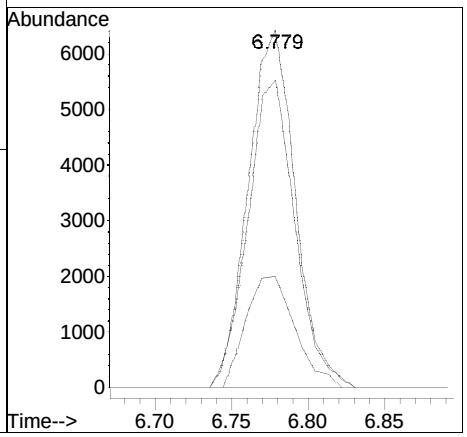


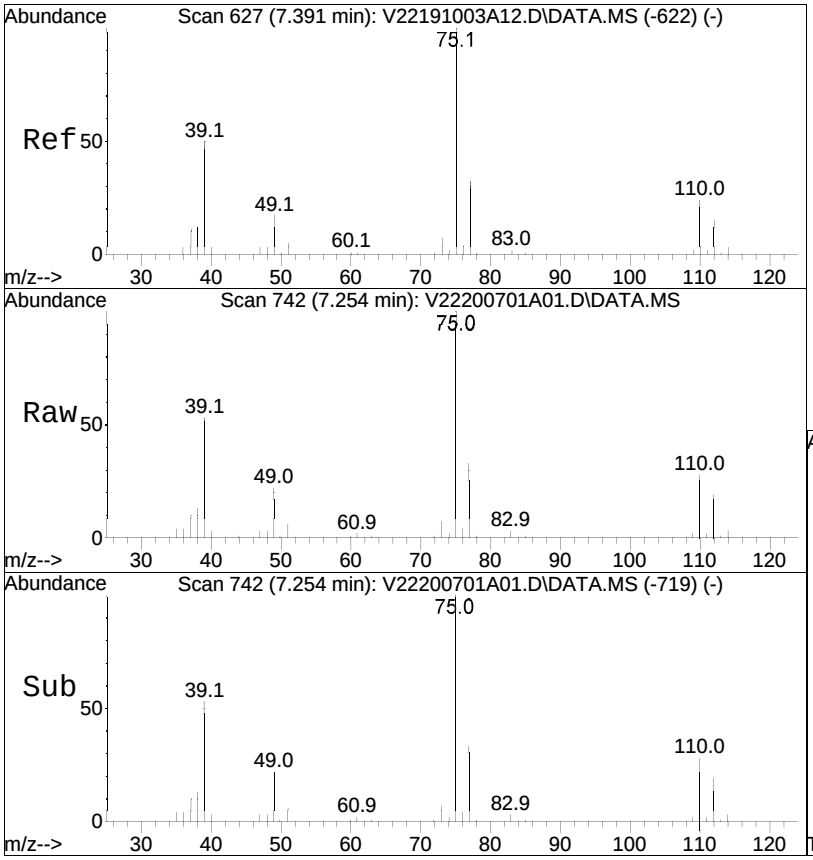


#60
1,4-Dioxane
Concen: 753.36 ug/L
RT: 6.779 min Scan# 687
Delta R.T. -0.000 min
Lab File: V22200701A01.D
Acq: 01 Jul 2020 08:46 am

Tgt Ion: 88 Resp: 13611

Ion	Ratio	Lower	Upper
88	100		
58	86.5	43.3	64.9#
43	32.8	15.1	22.7#

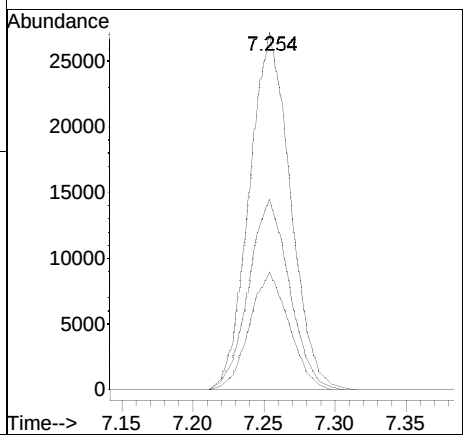


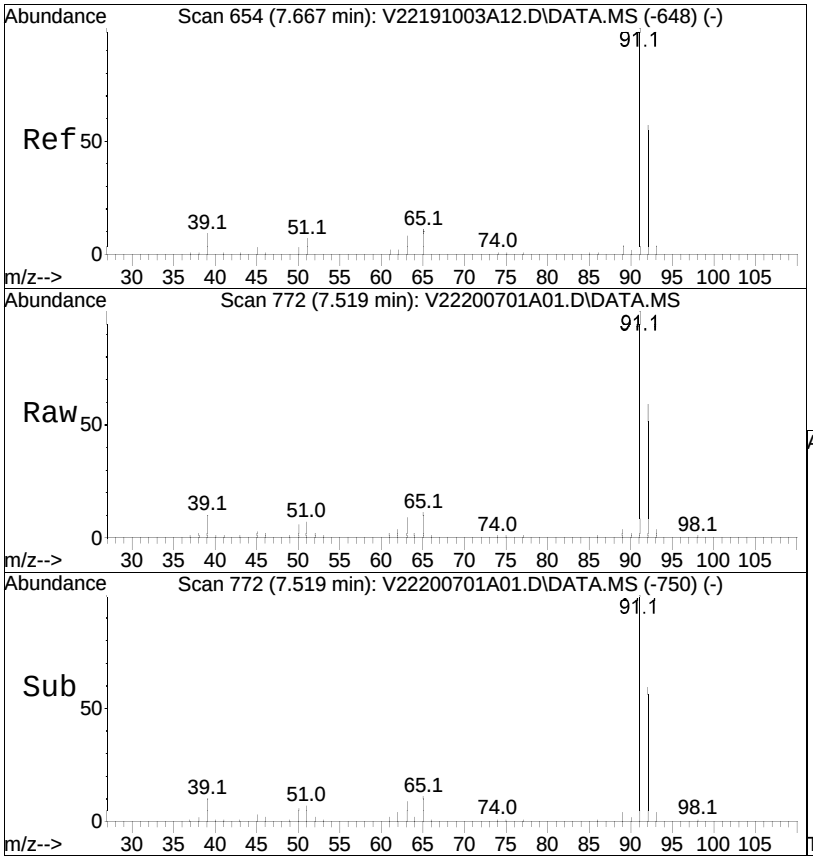


#61
cis-1,3-Dichloropropene
Concen: 8.86 ug/L
RT: 7.254 min Scan# 742
Delta R.T. 0.000 min
Lab File: V22200701A01.D
Acq: 01 Jul 2020 08:46 am

Tgt Ion: 75 Resp: 54176

Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.6	38.4
39	53.1	35.4	53.0#

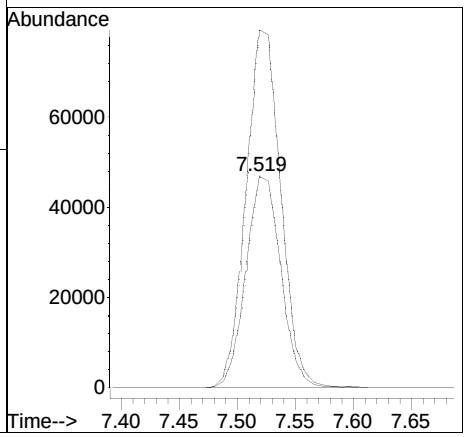


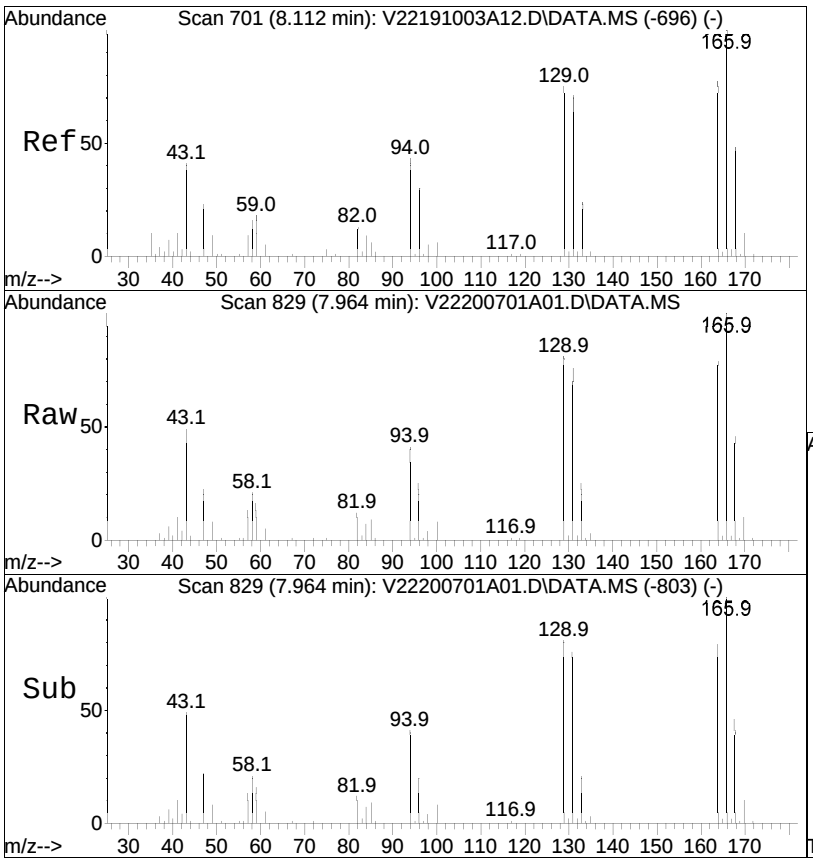


#64
Toluene
Concen: 9.14 ug/L
RT: 7.519 min Scan# 772
Delta R.T. -0.008 min
Lab File: V22200701A01.D
Acq: 01 Jul 2020 08:46 am

Tgt Ion: 92 Resp: 97753

Ion	Ratio	Lower	Upper
92	100		
91	167.5	137.0	205.6

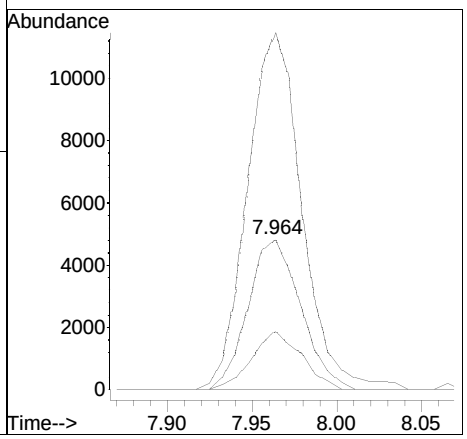


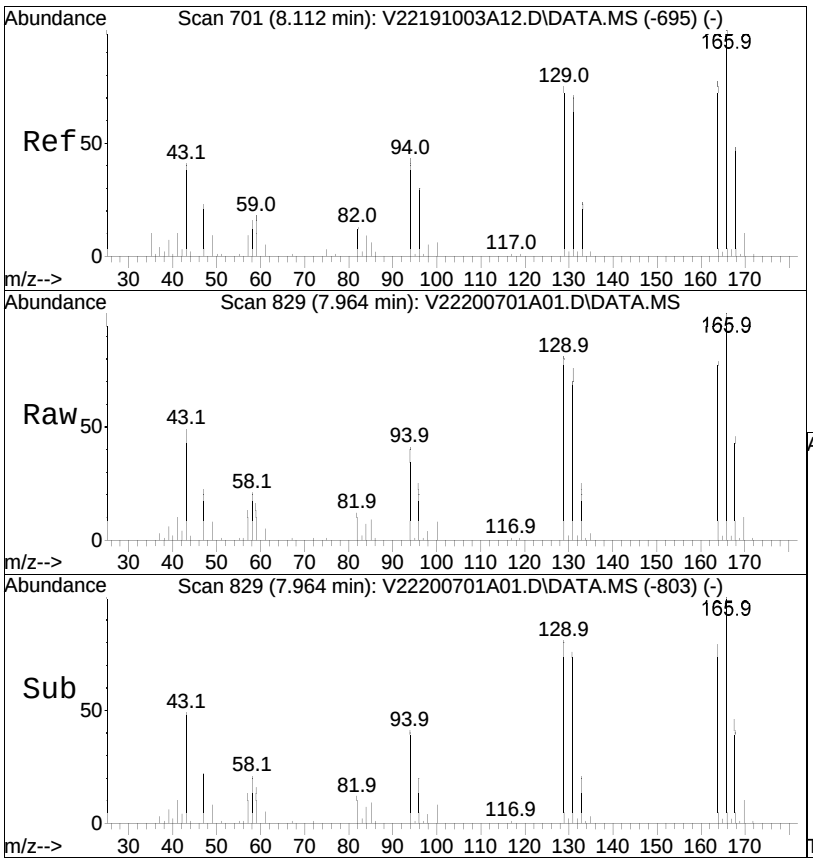


#65
4-Methyl-2-pentanone
Concen: 8.40 ug/L
RT: 7.964 min Scan# 829
Delta R.T. -0.000 min
Lab File: V22200701A01.D
Acq: 01 Jul 2020 08:46 am

Tgt Ion: 58 Resp: 10366

Ion	Ratio	Lower	Upper
58	100		
100	36.7	36.2	54.4
43	245.3	181.8	272.8

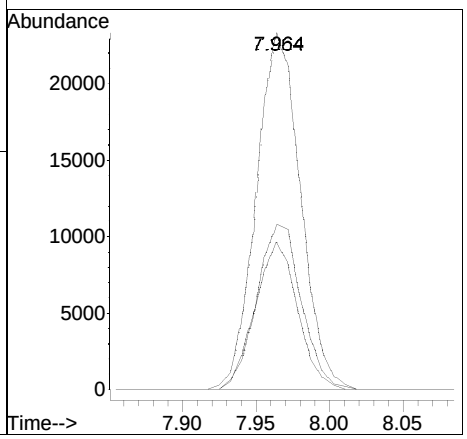


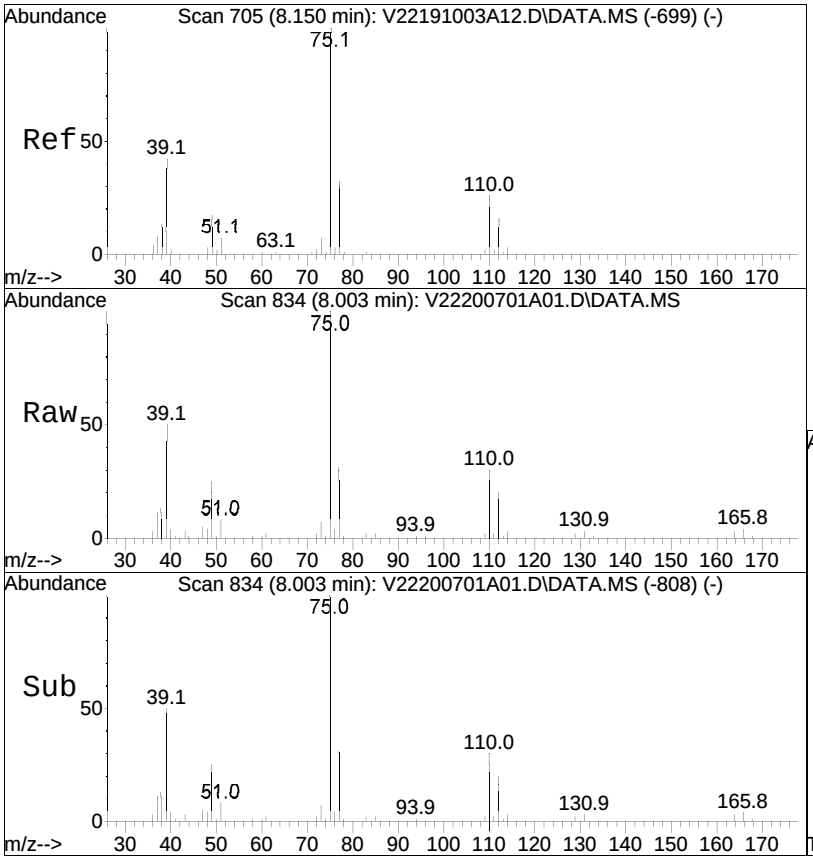


#66
Tetrachloroethene
Concen: 9.52 ug/L
RT: 7.964 min Scan# 829
Delta R.T. -0.000 min
Lab File: V22200701A01.D
Acq: 01 Jul 2020 08:46 am

Tgt Ion:166 Resp: 48442

Ion	Ratio	Lower	Upper
166	100		
168	46.9	27.8	67.8
94	39.8	16.7	56.7

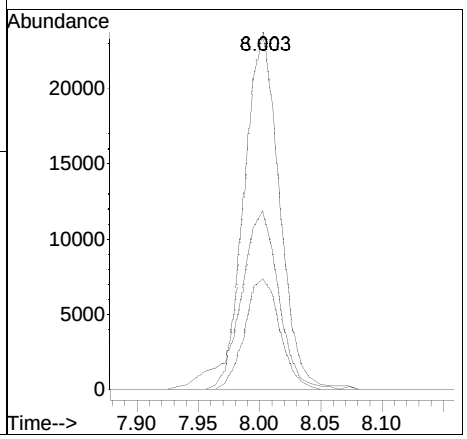


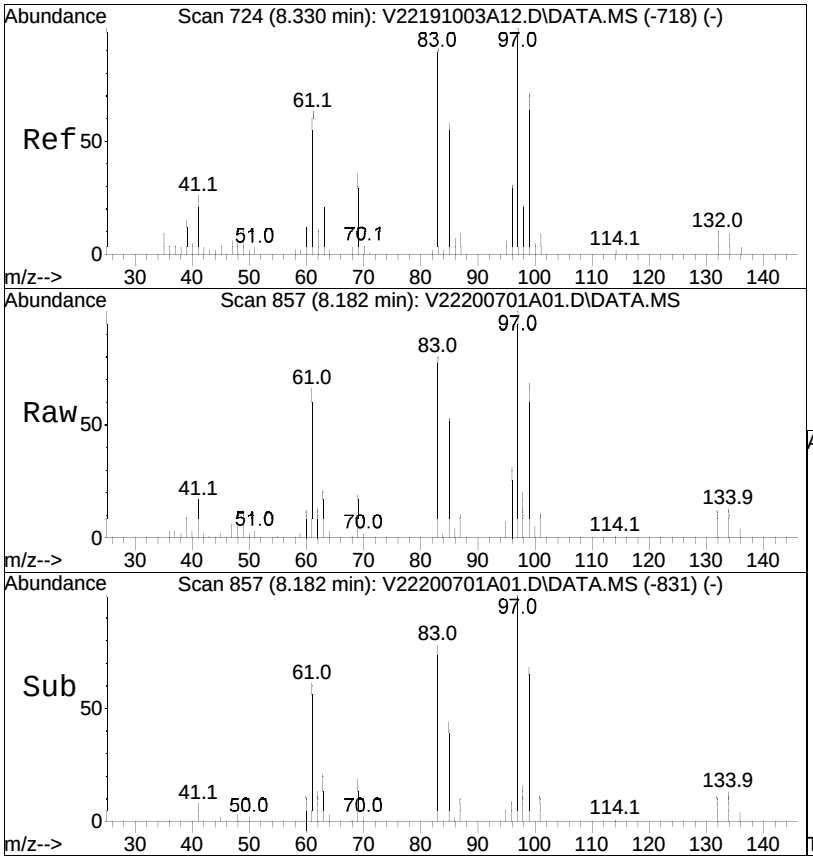


#68
trans-1,3-Dichloropropene
Concen: 8.70 ug/L
RT: 8.003 min Scan# 834
Delta R.T. -0.000 min
Lab File: V22200701A01.D
Acq: 01 Jul 2020 08:46 am

Tgt Ion: 75 Resp: 47052

Ion	Ratio	Lower	Upper
75	100		
77	31.2	11.9	51.9
39	56.2	27.4	67.4

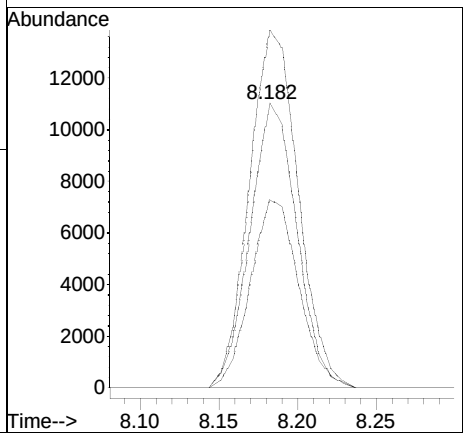


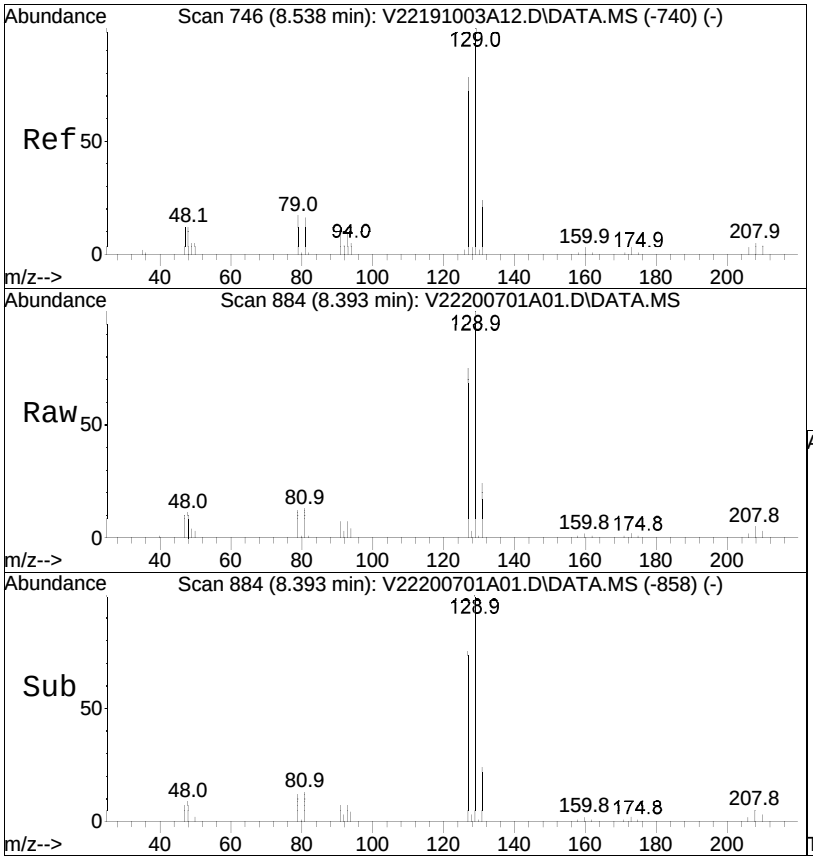


#71
1,1,2-Trichloroethane
Concen: 8.61 ug/L
RT: 8.182 min Scan# 857
Delta R.T. 0.000 min
Lab File: V22200701A01.D
Acq: 01 Jul 2020 08:46 am

Tgt Ion: 83 Resp: 22725

Ion	Ratio	Lower	Upper
83	100		
97	131.2	103.4	143.4
85	68.3	47.9	87.9

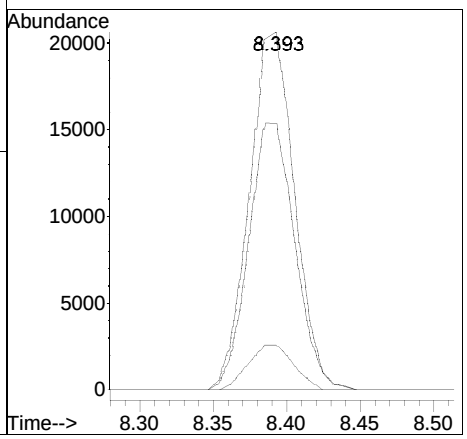


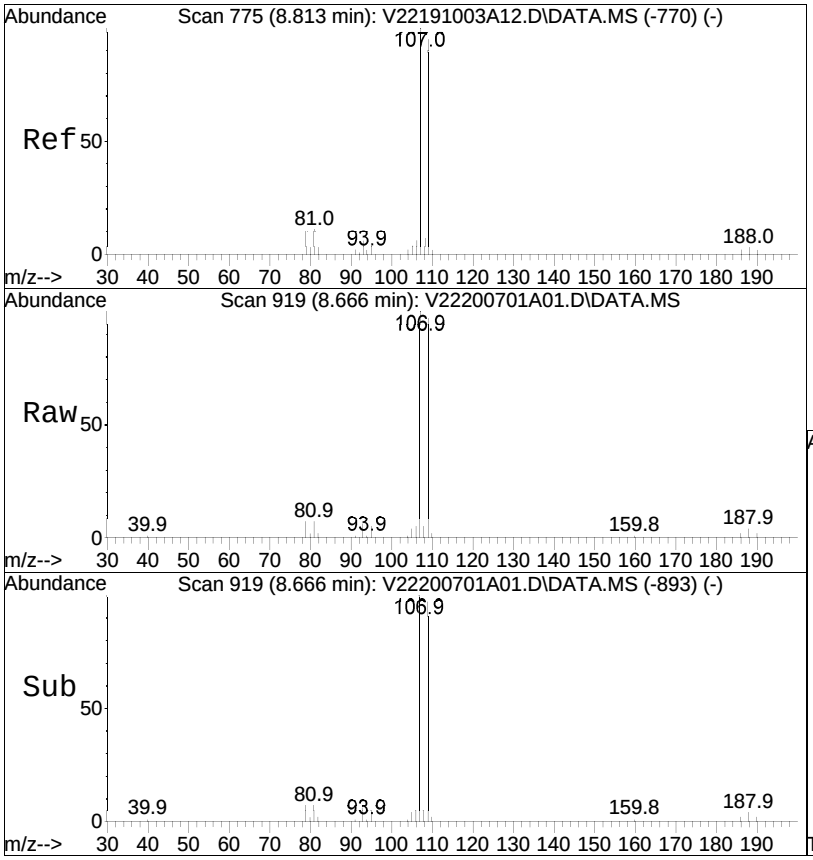


#72
Chlorodibromomethane
Concen: 9.49 ug/L
RT: 8.393 min Scan# 884
Delta R.T. -0.000 min
Lab File: V22200701A01.D
Acq: 01 Jul 2020 08:46 am

Tgt Ion:129 Resp: 43712

Ion	Ratio	Lower	Upper
129	100		
81	12.7	0.0	33.8
127	76.3	57.1	97.1

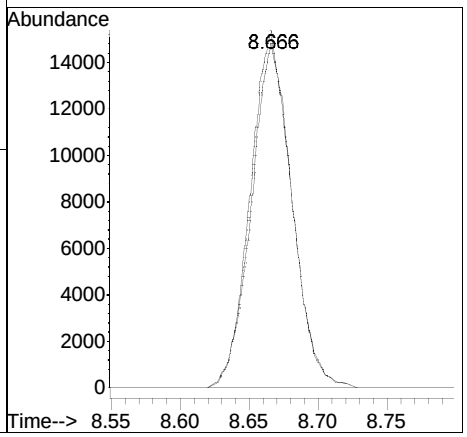


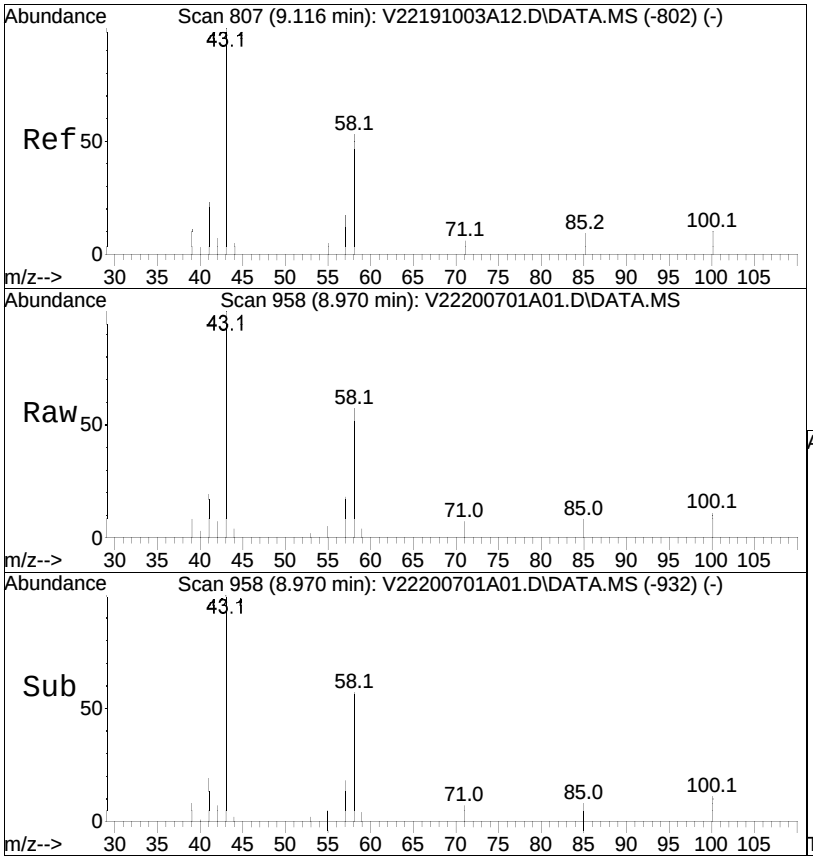


#74
1,2-Dibromoethane
Concen: 8.91 ug/L
RT: 8.666 min Scan# 919
Delta R.T. 0.000 min
Lab File: V22200701A01.D
Acq: 01 Jul 2020 08:46 am

Tgt Ion:107 Resp: 31316

Ion	Ratio	Lower	Upper
107	100		
109	96.3	75.1	112.7

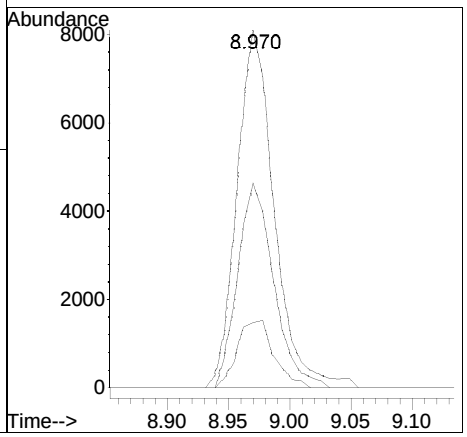


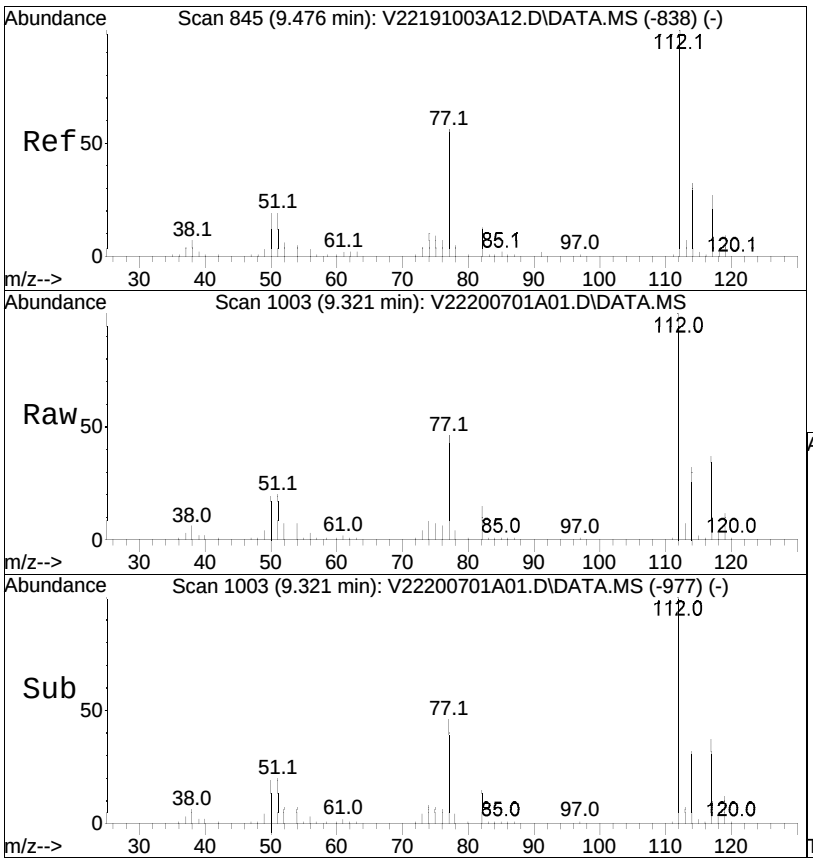


#76
2-Hexanone
Concen: 7.51 ug/L
RT: 8.970 min Scan# 958
Delta R.T. 0.000 min
Lab File: V22200701A01.D
Acq: 01 Jul 2020 08:46 am

Tgt Ion: 43 Resp: 16943

Ion	Ratio	Lower	Upper
43	100		
58	55.6	47.6	71.4
57	18.6	16.6	24.8

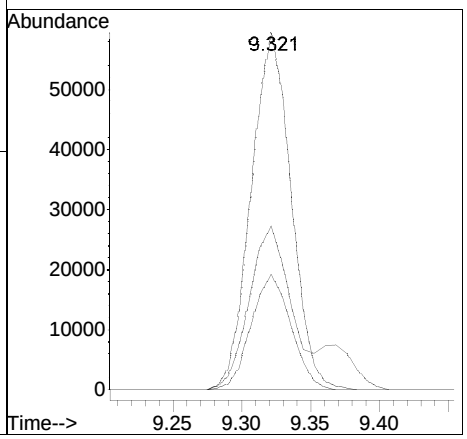


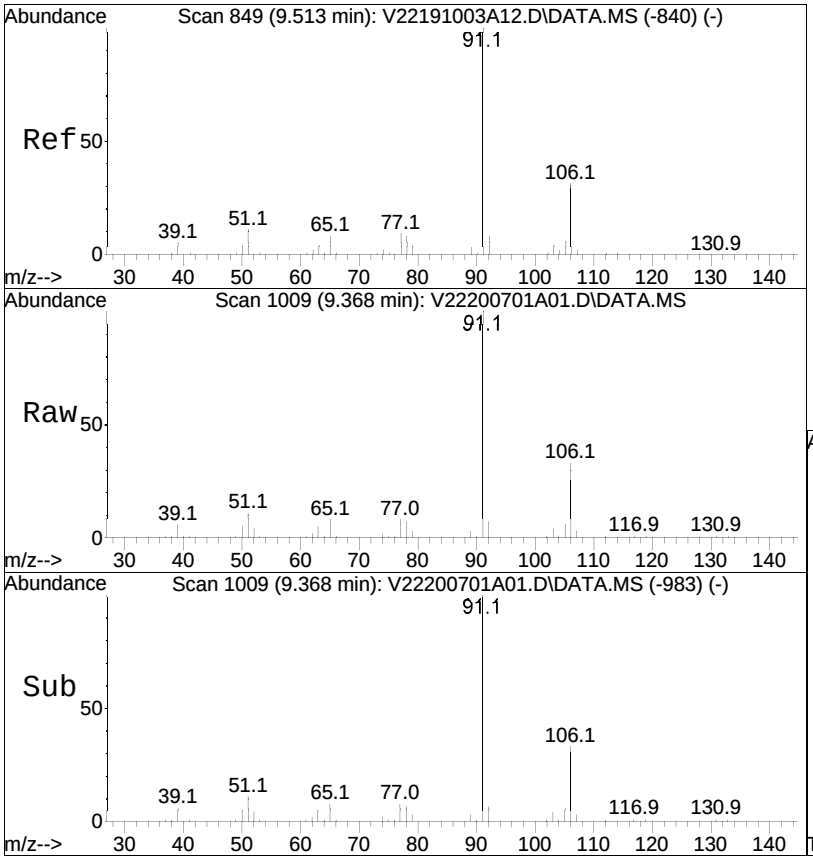


#77
Chlorobenzene
Concen: 9.54 ug/L
RT: 9.321 min Scan# 1003
Delta R.T. -0.001 min
Lab File: V22200701A01.D
Acq: 01 Jul 2020 08:46 am

Tgt Ion:112 Resp: 118720

Ion	Ratio	Lower	Upper
112	100		
77	48.6	55.4	83.0#
114	32.3	26.2	39.4

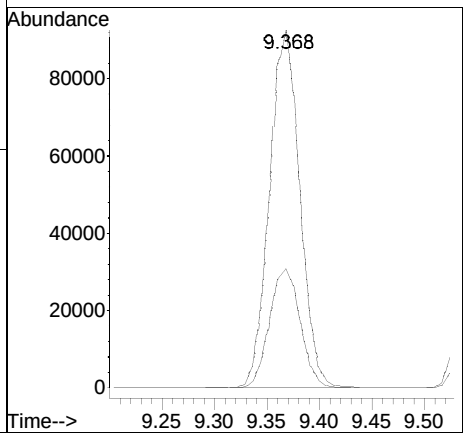


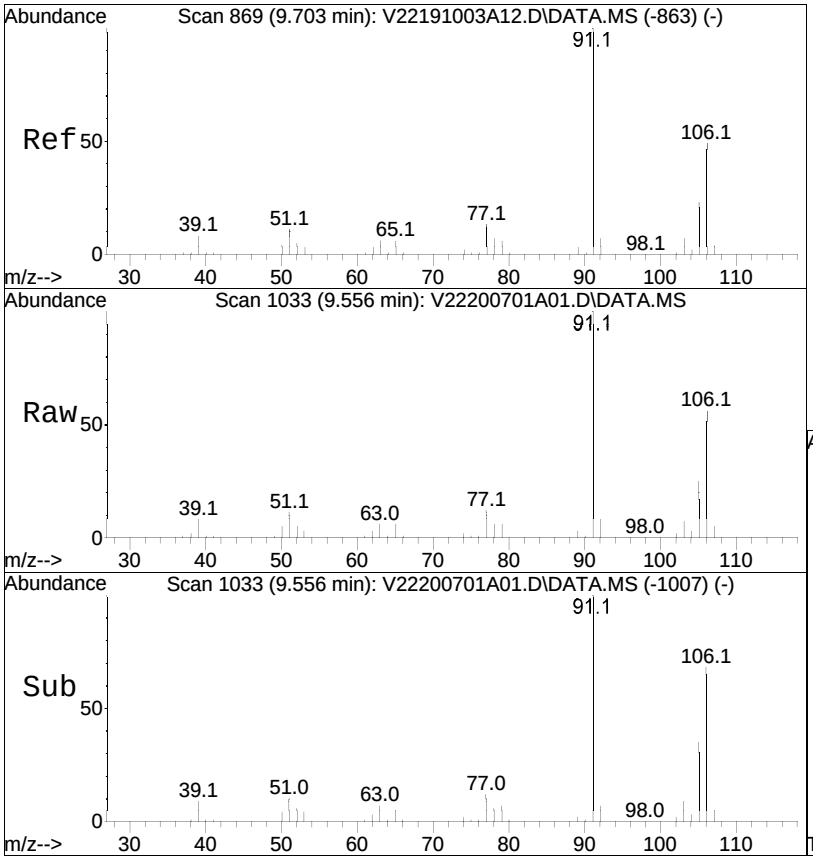


#78
Ethylbenzene
Concen: 9.26 ug/L
RT: 9.368 min Scan# 1009
Delta R.T. 0.000 min
Lab File: V22200701A01.D
Acq: 01 Jul 2020 08:46 am

Tgt Ion: 91 Resp: 183975

Ion	Ratio	Lower	Upper
91	100		
106	33.9	25.8	38.6

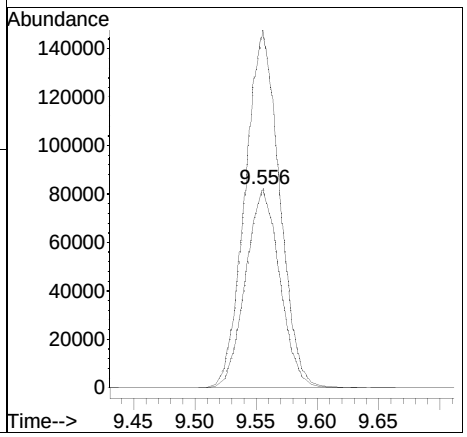


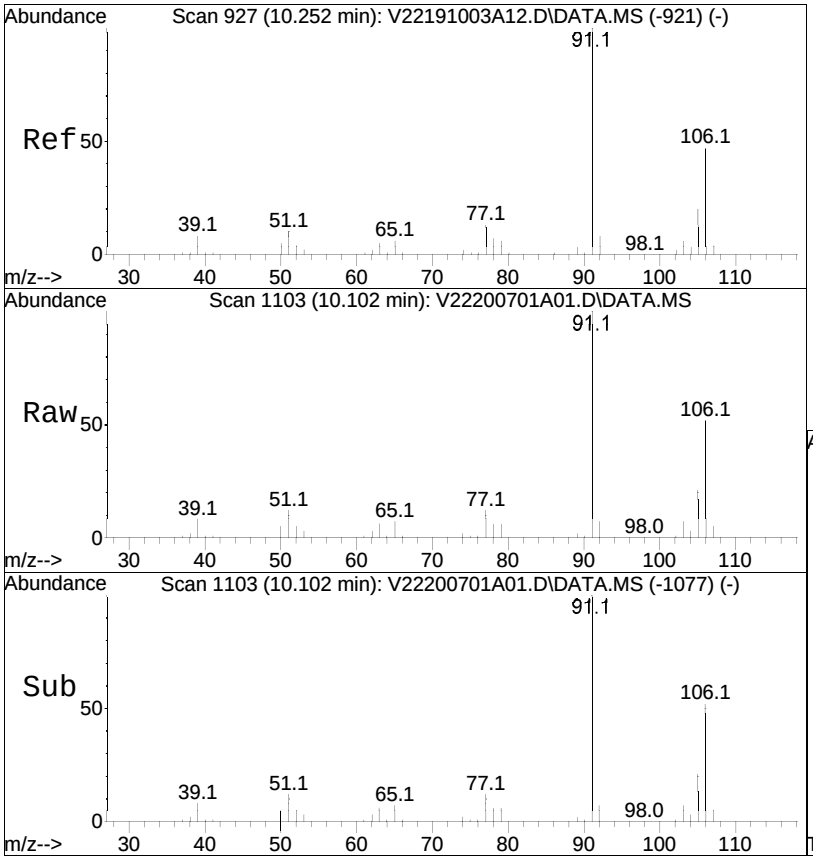


#80
p/m Xylene
Concen: 19.15 ug/L
RT: 9.556 min Scan# 1033
Delta R.T. -0.000 min
Lab File: V22200701A01.D
Acq: 01 Jul 2020 08:46 am

Tgt Ion:106 Resp: 157749

Ion	Ratio	Lower	Upper
106	100		
91	181.1	156.0	234.0

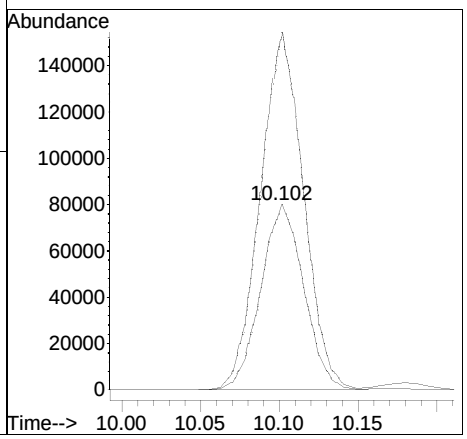


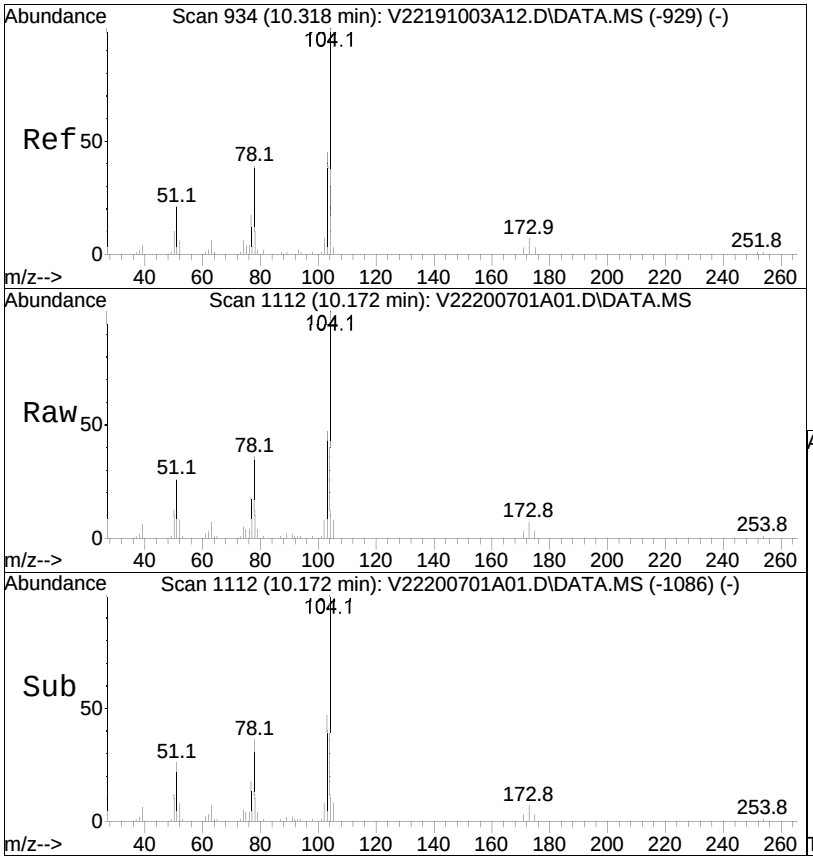


#81
o Xylene
Concen: 18.79 ug/L
RT: 10.102 min Scan# 1103
Delta R.T. -0.000 min
Lab File: V22200701A01.D
Acq: 01 Jul 2020 08:46 am

Tgt Ion:106 Resp: 150894

Ion	Ratio	Lower	Upper
106	100		
91	192.8	164.0	246.0

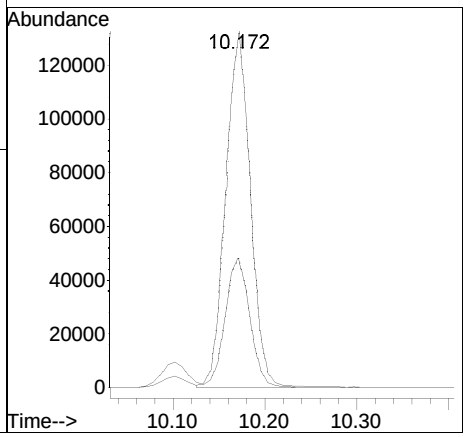


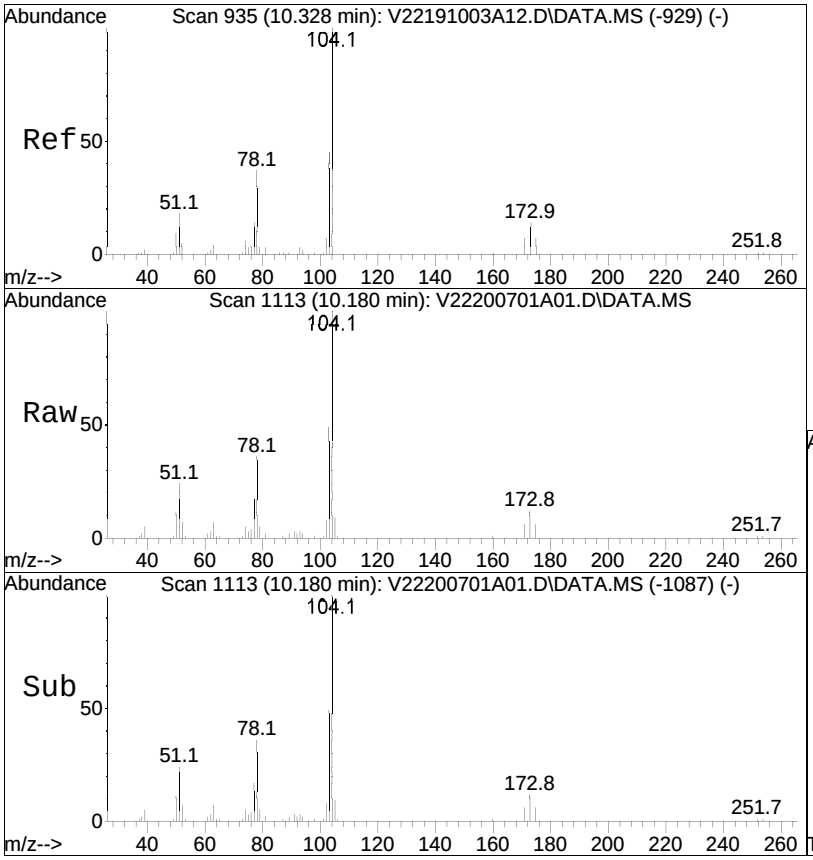


#82
Styrene
Concen: 18.98 ug/L
RT: 10.172 min Scan# 1112
Delta R.T. -0.000 min
Lab File: V22200701A01.D
Acq: 01 Jul 2020 08:46 am

Tgt Ion:104 Resp: 244785

Ion	Ratio	Lower	Upper
104	100		
78	36.6	32.1	48.1

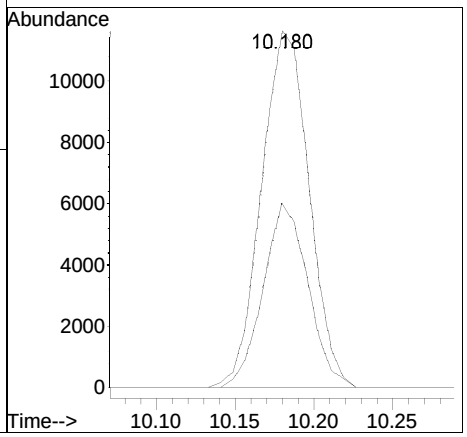


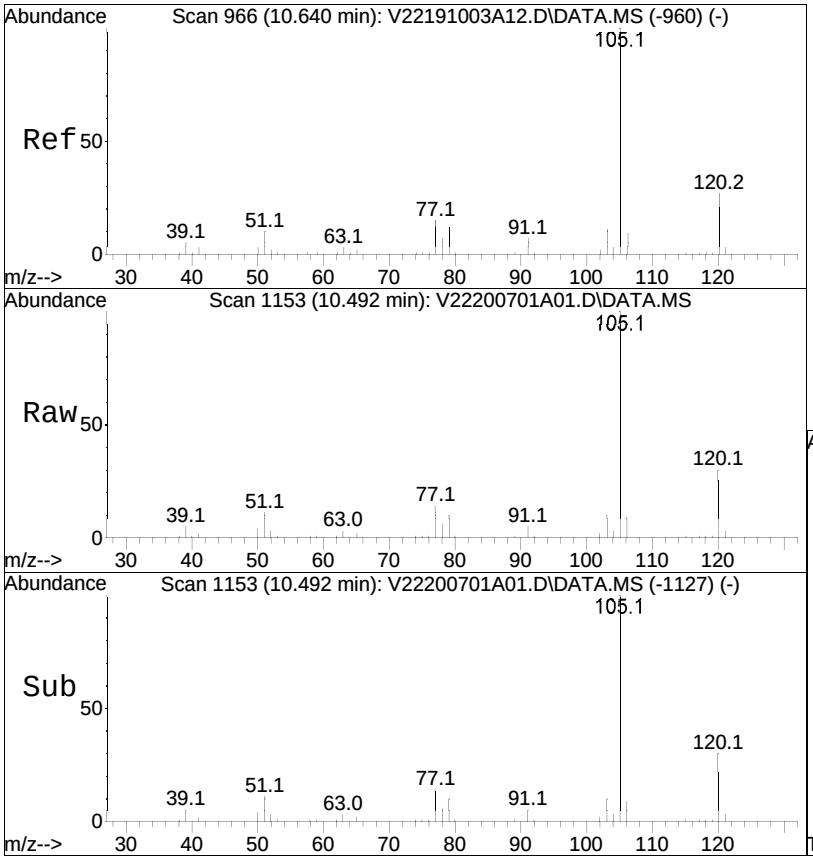


#84
Bromoform
Concen: 9.01 ug/L
RT: 10.180 min Scan# 1113
Delta R.T. -0.000 min
Lab File: V22200701A01.D
Acq: 01 Jul 2020 08:46 am

Tgt Ion:173 Resp: 24370

Ion	Ratio	Lower	Upper
173	100		
175	48.8	29.3	69.3

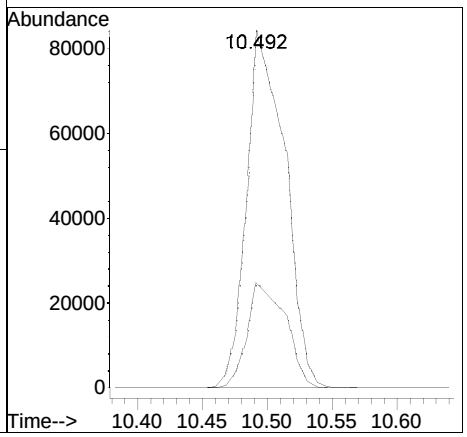


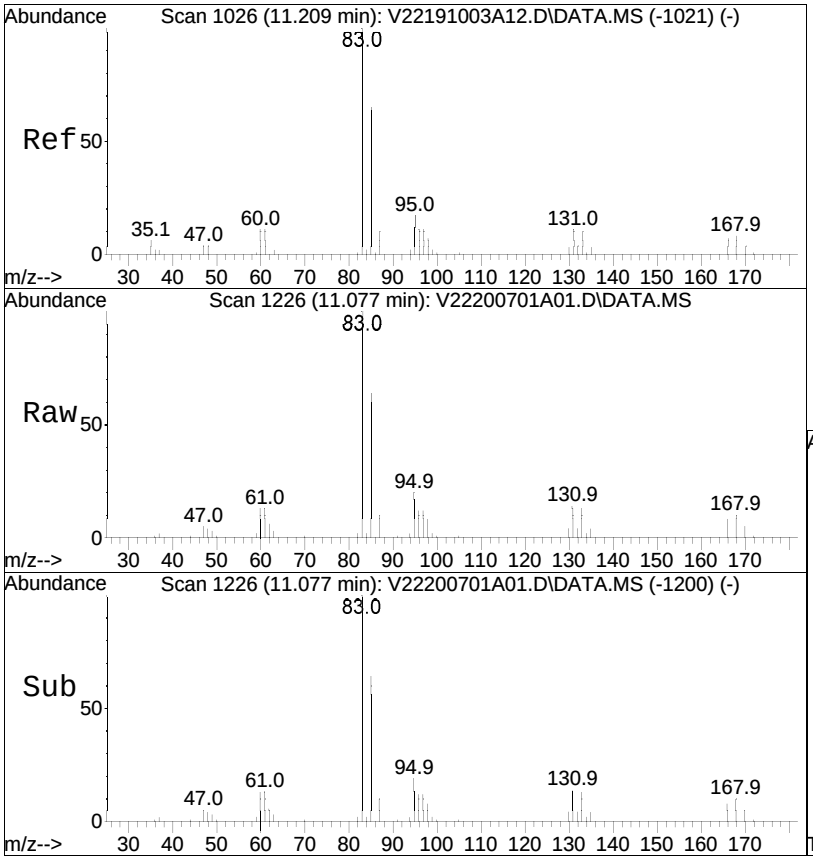


#86
Isopropylbenzene
Concen: 9.11 ug/L
RT: 10.492 min Scan# 1153
Delta R.T. -0.000 min
Lab File: V22200701A01.D
Acq: 01 Jul 2020 08:46 am

Tgt Ion:105 Resp: 120852

Ion	Ratio	Lower	Upper
105	100		
120	30.2	7.7	47.7

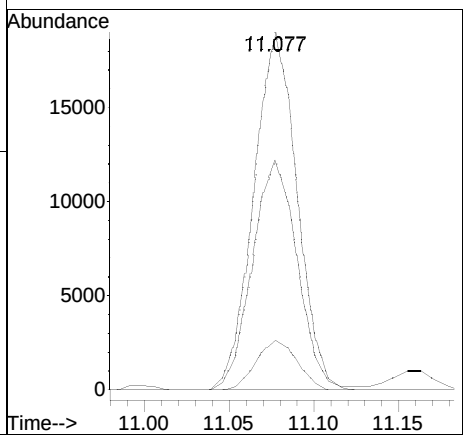


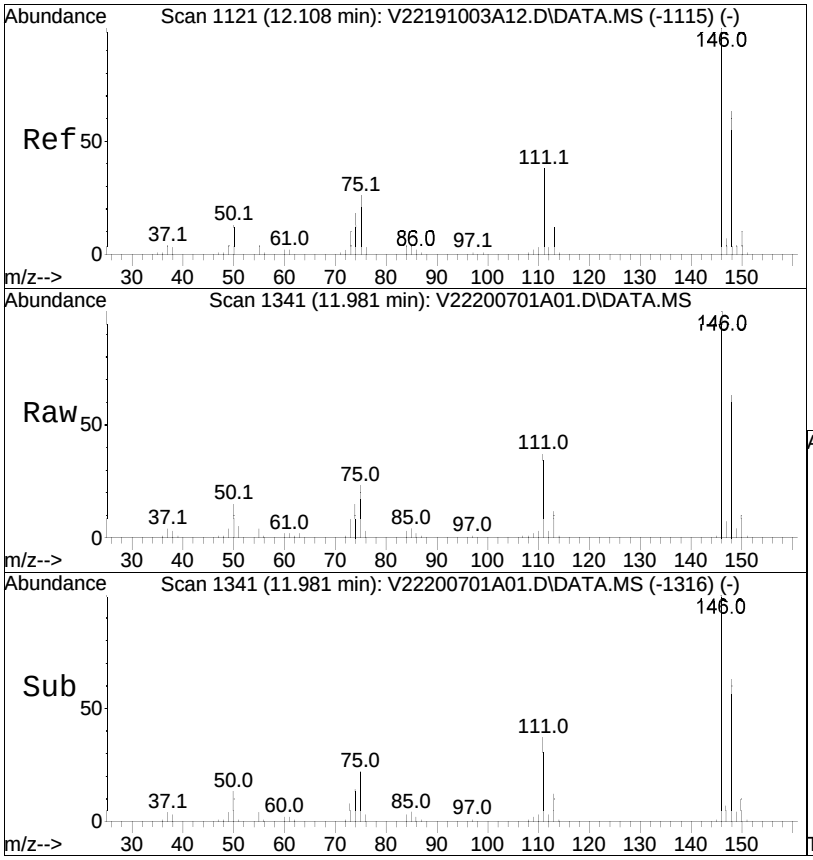


#91
1,1,2,2-Tetrachloroethane
Concen: 8.45 ug/L
RT: 11.077 min Scan# 1226
Delta R.T. 0.000 min
Lab File: V22200701A01.D
Acq: 01 Jul 2020 08:46 am

Tgt Ion: 83 Resp: 33494

Ion	Ratio	Lower	Upper
83	100		
131	13.2	0.0	30.8
85	66.8	45.4	85.4

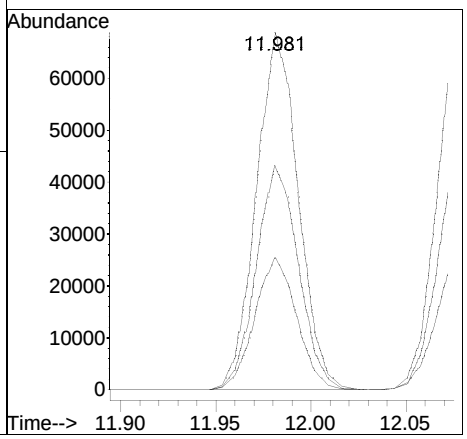


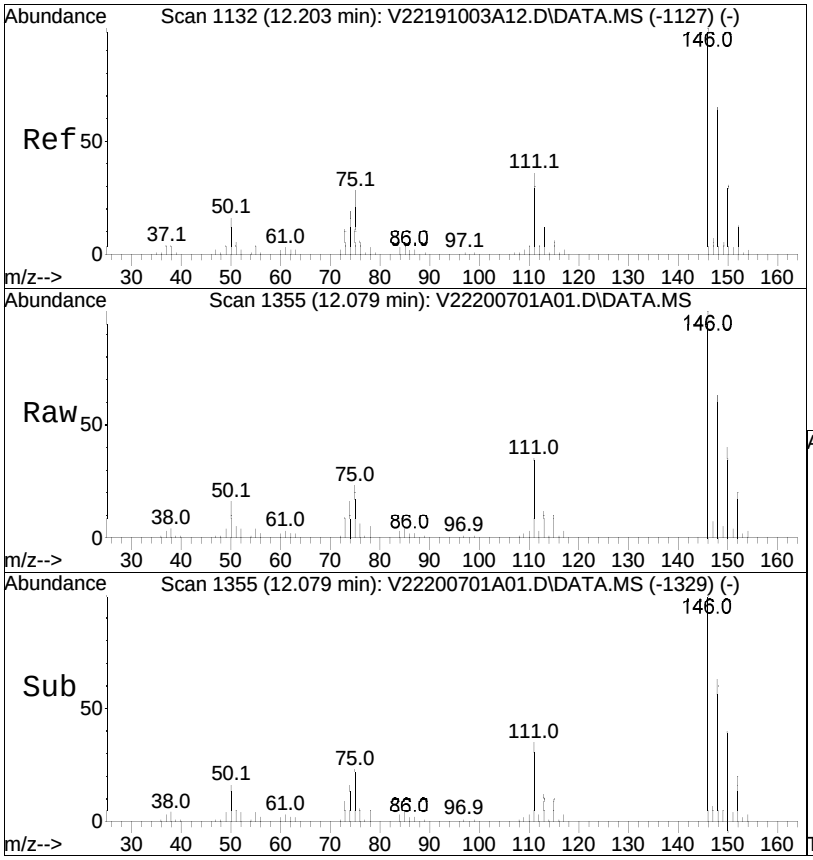


#104
1,3-Dichlorobenzene
Concen: 9.84 ug/L
RT: 11.981 min Scan# 1341
Delta R.T. -0.001 min
Lab File: V22200701A01.D
Acq: 01 Jul 2020 08:46 am

Tgt Ion:146 Resp: 105356

Ion	Ratio	Lower	Upper
146	100		
111	37.0	24.0	49.8
148	63.3	41.8	86.8

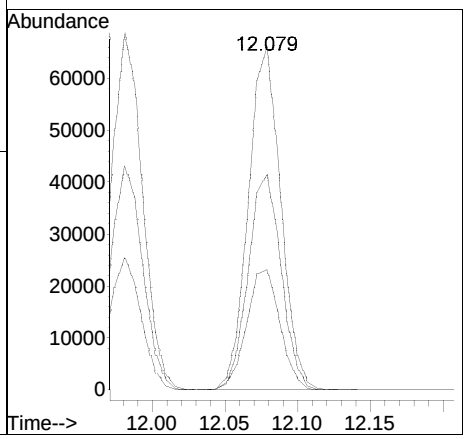


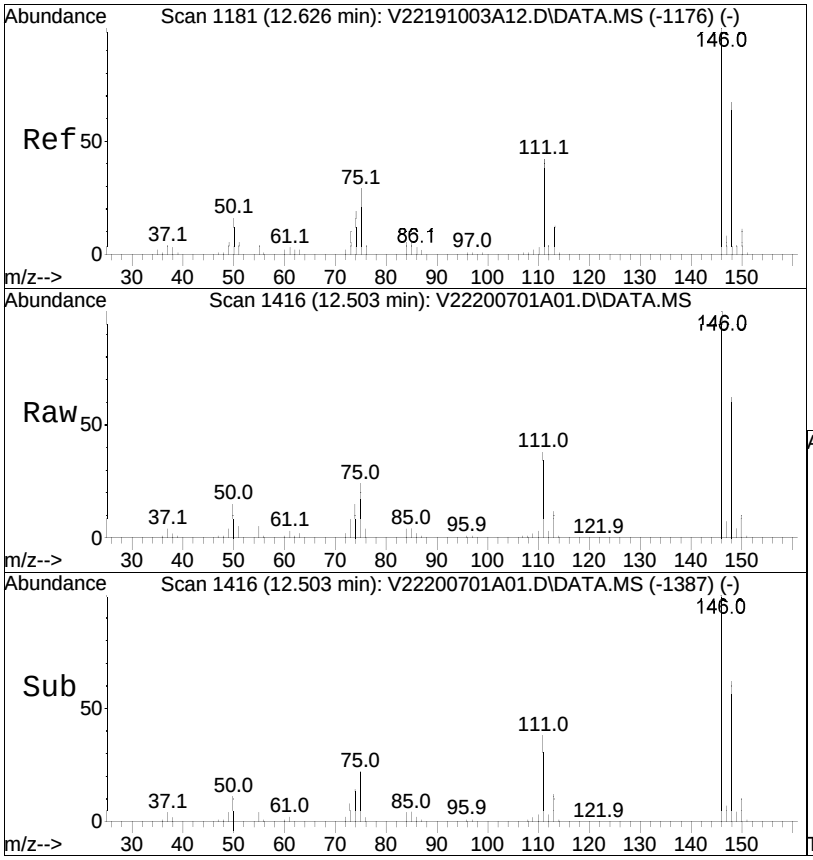


#105
1,4-Dichlorobenzene
Concen: 9.72 ug/L
RT: 12.079 min Scan# 1355
Delta R.T. -0.000 min
Lab File: V22200701A01.D
Acq: 01 Jul 2020 08:46 am

Tgt Ion:146 Resp: 102871

Ion	Ratio	Lower	Upper
146	100		
111	36.2	28.9	43.3
148	63.8	51.4	77.2

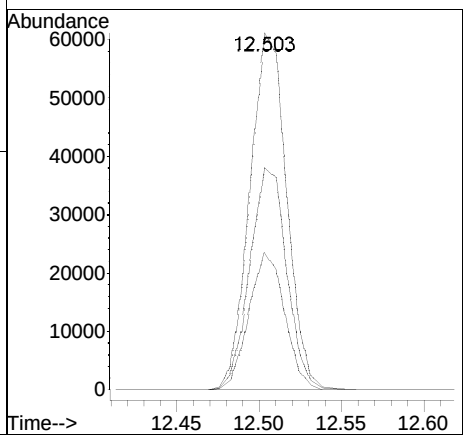


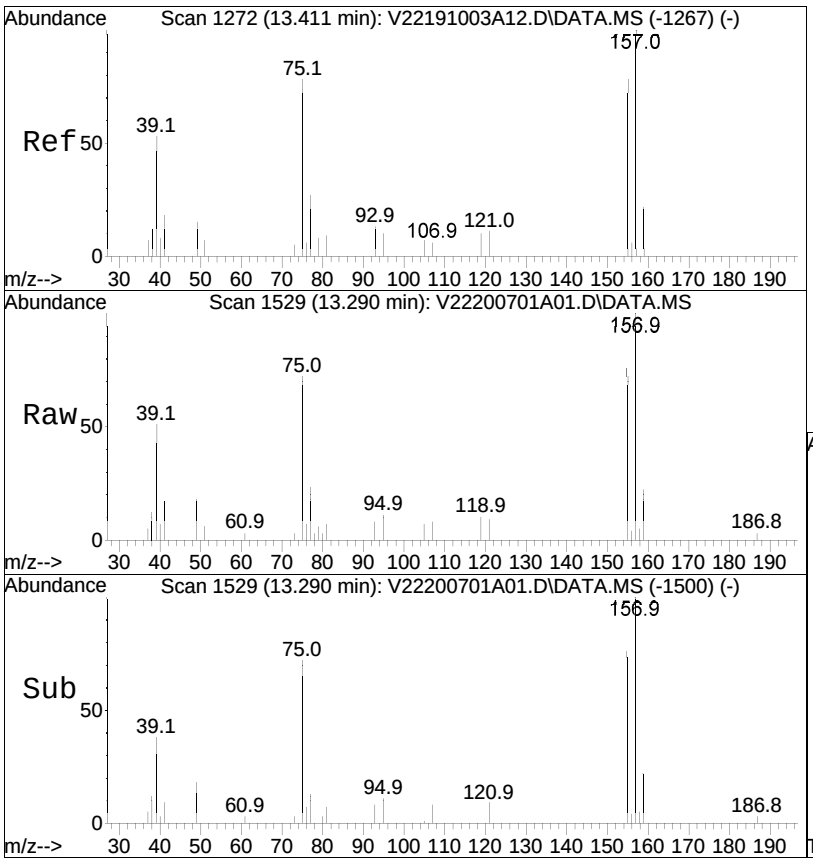


#108
1,2-Dichlorobenzene
Concen: 9.74 ug/L
RT: 12.503 min Scan# 1416
Delta R.T. -0.001 min
Lab File: V22200701A01.D
Acq: 01 Jul 2020 08:46 am

Tgt Ion:146 Resp: 94135

Ion	Ratio	Lower	Upper
146	100		
111	37.5	24.8	51.6
148	62.3	42.2	87.6

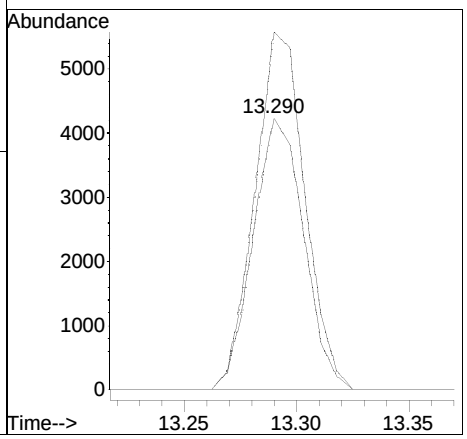


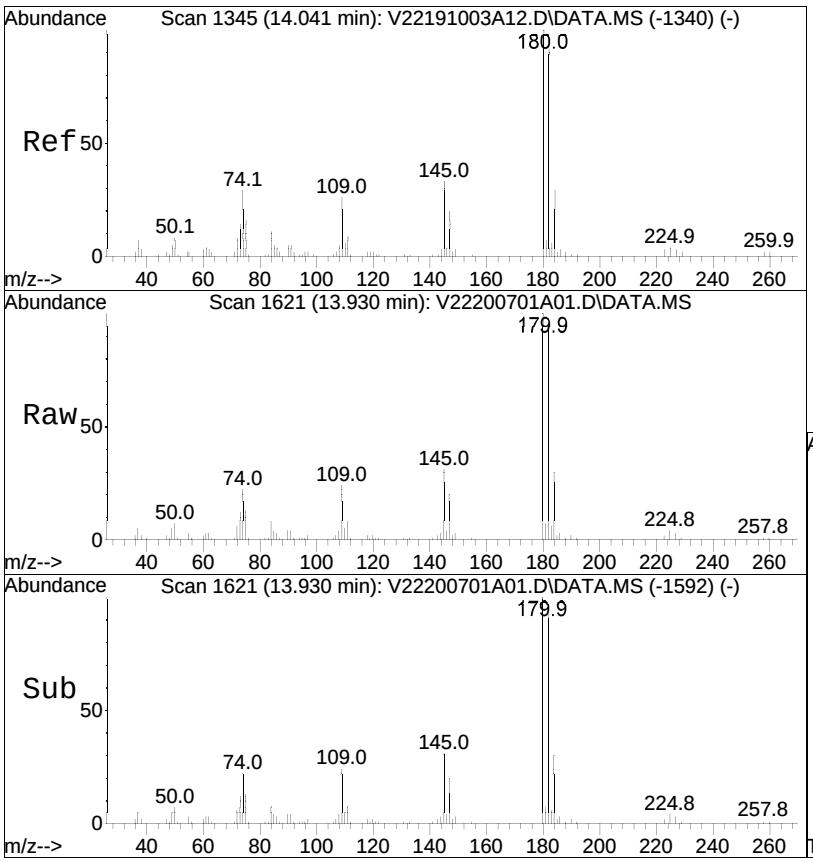


#110
1,2-Dibromo-3-chloropropane
Concen: 8.61 ug/L
RT: 13.290 min Scan# 1529
Delta R.T. 0.000 min
Lab File: V22200701A01.D
Acq: 01 Jul 2020 08:46 am

Tgt Ion:155 Resp: 6579

Ion	Ratio	Lower	Upper
155	100		
157	130.3	102.3	153.5

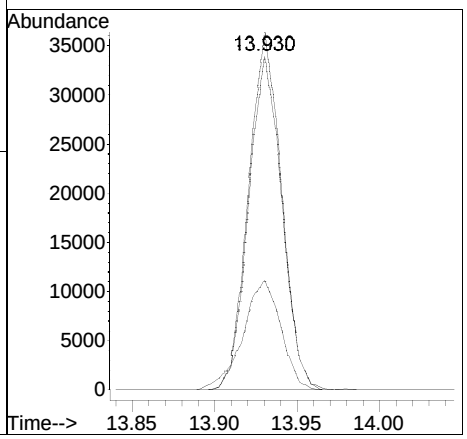


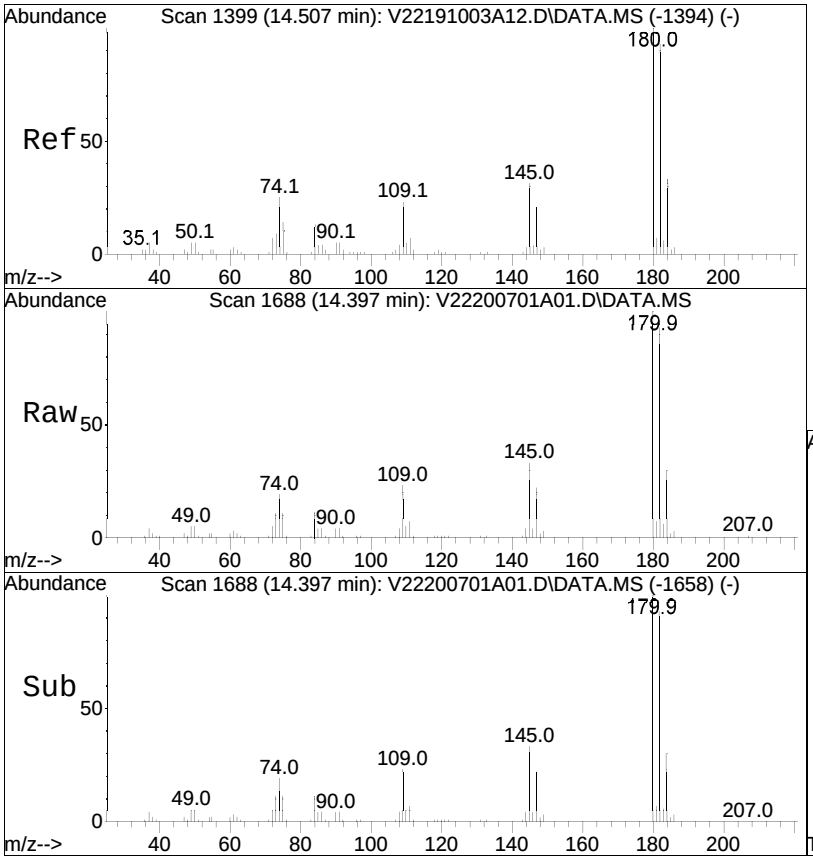


#113
1,2,4-Trichlorobenzene
Concen: 9.41 ug/L
RT: 13.930 min Scan# 1621
Delta R.T. -0.001 min
Lab File: V22200701A01.D
Acq: 01 Jul 2020 08:46 am

Tgt Ion:180 Resp: 50272

Ion	Ratio	Lower	Upper
180	100		
182	93.5	76.6	114.8
145	35.4	25.5	38.3

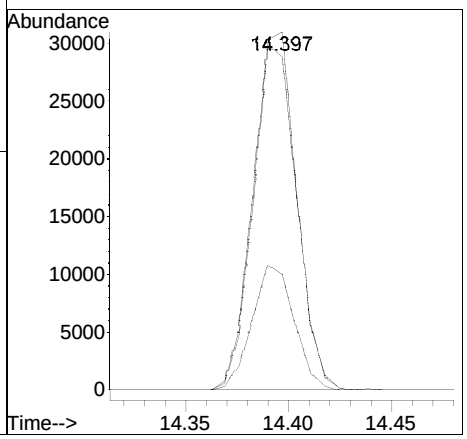




#115
1,2,3-Trichlorobenzene
Concen: 9.30 ug/L
RT: 14.397 min Scan# 1688
Delta R.T. 0.007 min
Lab File: V22200701A01.D
Acq: 01 Jul 2020 08:46 am

Tgt Ion:180 Resp: 45200

Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.0	114.0
145	33.8	23.8	35.8



Manual Integration Report

Data Path	: I:\VOLATILES\VOA122\2020\2	QMethod	: V122_200617N_8260.m
Data File	: V22200701A01.D	Operator	: VOA122:PD
Date Inj'd	: 7/1/2020 8:46 am	Instrument	: VOA122
Sample	: WG1388388-3,31,10,10	Quant Date	: 7/1/2020 9:12 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2020\200701N\
Data File : VE200701N01.D
Acq On : 1 Jul 2020 5:15 pm
Operator : ELAINE:TMS
Sample : WG1388497-3,31,10,10
Misc : WG1388497,ICAL16849
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 01 17:59:59 2020
Quant Method : I:\VOLATILES\Elaine\2020\200701N\Elaine_200602N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jun 03 14:54:28 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2020\200701N\VE200701N01.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.487	96	144276	10.000	ug/L	0.00
Standard Area 1 = 144276			Recovery = 100.00%			
59) Chlorobenzene-d5	8.497	117	121890	10.000	ug/L	0.00
Standard Area 1 = 121890			Recovery = 100.00%			
79) 1,4-Dichlorobenzene-d4	9.988	152	61045	10.000	ug/L	0.00
Standard Area 1 = 61045			Recovery = 100.00%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.496	113	38782	11.341	ug/L	-0.01
Spiked Amount 10.000	Range 70 - 130		Recovery = 113.41%			
43) 1,2-Dichloroethane-d4	5.145	65	41048	9.795	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.95%			
60) Toluene-d8	7.195	98	159170	9.879	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.79%			
83) 4-Bromofluorobenzene	9.321	95	57662	9.160	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 91.60%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.938	85	22967M1	9.138	ug/L	
3) Chloromethane	1.060	50	30812M1	11.568	ug/L	
4) Vinyl chloride	1.113	62	34948M1	11.682	ug/L	
5) Bromomethane	1.316	94	15936M1	11.791	ug/L	
6) Chloroethane	1.400	64	23111M1	13.345	ug/L	
7) Trichlorofluoromethane	1.494	101	41499M1	12.106	ug/L	
10) 1,1-Dichloroethene	1.862	96	24690	11.845	ug/L #	74
11) Carbon disulfide	1.864	76	54137M1	11.080	ug/L	
12) Freon-113	1.900	101	26595M1	12.041	ug/L	
15) Methylene chloride	2.348	84	28703	11.290	ug/L	84
17) Acetone	2.410	43	5820	10.246	ug/L	97
18) trans-1,2-Dichloroethene	2.493	96	26417	11.742	ug/L	82
19) Methyl acetate	2.538	43	17824	10.757	ug/L	97
20) Methyl tert-butyl ether	2.616	73	59987	9.141	ug/L	97
23) 1,1-Dichloroethane	3.133	63	56181	11.904	ug/L	96
28) cis-1,2-Dichloroethene	3.820	96	33020	12.869	ug/L #	77
30) Bromochloromethane	4.096	128	13828M1	11.940	ug/L	
31) Cyclohexane	4.048	56	57357M1	12.143	ug/L	
32) Chloroform	4.257	83	48171M1	11.340	ug/L	
34) Carbon tetrachloride	4.366	117	33862	10.462	ug/L	99

Data Path : I:\VOLATILES\Elaine\2020\200701N\
Data File : VE200701N01.D
Acq On : 1 Jul 2020 5:15 pm
Operator : ELAINE:TMS
Sample : WG1388497-3,31,10,10
Misc : WG1388497,ICAL16849
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 01 17:59:59 2020
Quant Method : I:\VOLATILES\Elaine\2020\200701N\Elaine_200602N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jun 03 14:54:28 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2020\200701N\VE200701N01.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) 1,1,1-Trichloroethane	4.468	97	40847	10.348	ug/L	#	95
39) 2-Butanone	4.694	43	6906	7.738	ug/L	#	76
41) Benzene	4.958	78	107376M1	10.107	ug/L		
44) 1,2-Dichloroethane	5.228	62	33692M1	9.860	ug/L		
47) Methyl cyclohexane	5.631	83	41280M1	9.788	ug/L		
48) Trichloroethene	5.676	95	26143M1	11.319	ug/L		
51) 1,2-Dichloropropane	6.249	63	32527	11.771	ug/L	#	90
54) Bromodichloromethane	6.355	83	32608	9.986	ug/L		94
57) 1,4-Dioxane	6.583	88	7290	361.981	ug/L	#	86
58) cis-1,3-Dichloropropene	7.017	75	39809	9.812	ug/L		93
61) Toluene	7.242	92	73161	9.739	ug/L		97
62) 4-Methyl-2-pentanone	7.660	58	7010	7.123	ug/L	#	90
63) Tetrachloroethene	7.596	166	31090	9.770	ug/L	#	85
65) trans-1,3-Dichloropropene	7.674	75	31994	7.885	ug/L		98
68) 1,1,2-Trichloroethane	7.804	83	18000	9.350	ug/L		92
69) Chlorodibromomethane	7.938	129	22285	8.149	ug/L		93
71) 1,2-Dibromoethane	8.097	107	19534	8.395	ug/L		100
72) 2-Hexanone	8.341	43	12699	6.695	ug/L		94
73) Chlorobenzene	8.508	112	78902	9.961	ug/L		92
74) Ethylbenzene	8.550	91	134425	9.683	ug/L		99
76) p/m Xylene	8.656	106	104780	19.521	ug/L		94
77) o Xylene	8.942	106	102006	19.876	ug/L		89
78) Styrene	8.981	104	169350	19.801	ug/L		86
80) Bromoform	8.984	173	12011	7.119	ug/L		94
82) Isopropylbenzene	9.151	105	132553	9.585	ug/L		96
87) 1,1,2,2-Tetrachloroethane	9.468	83	22664	8.071	ug/L		99
100) 1,3-Dichlorobenzene	9.944	146	63182	10.090	ug/L		97
101) 1,4-Dichlorobenzene	9.997	146	60617	9.572	ug/L		97
104) 1,2-Dichlorobenzene	10.239	146	57557	9.542	ug/L		98
106) 1,2-Dibromo-3-chloropr...	10.695	155	2829	6.224	ug/L		97
109) 1,2,4-Trichlorobenzene	11.068	180	36906	9.010	ug/L		97
111) 1,2,3-Trichlorobenzene	11.352	180	32717	8.778	ug/L		99

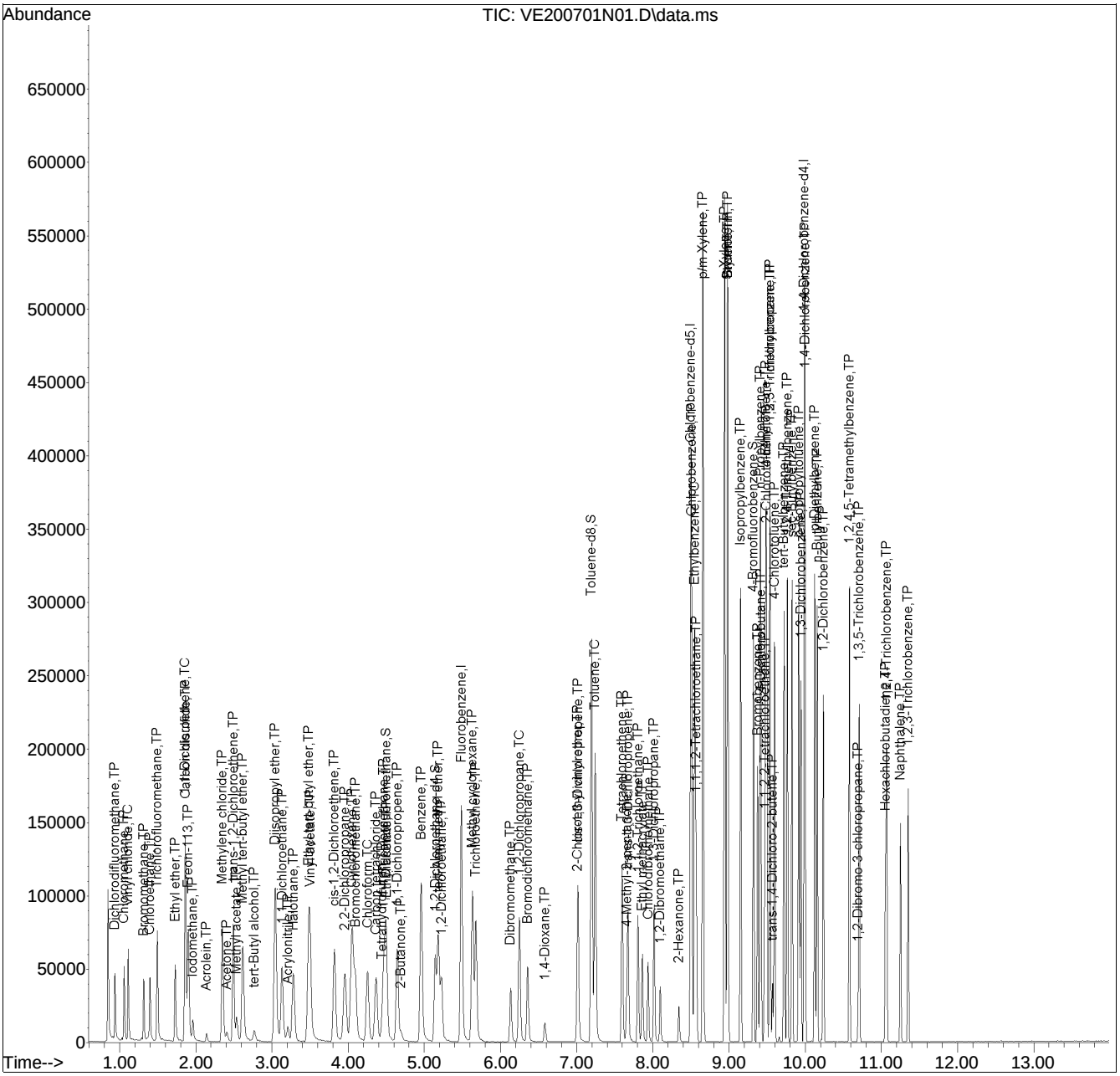
(#) = qualifier out of range (m) = manual integration (+) = signals summed

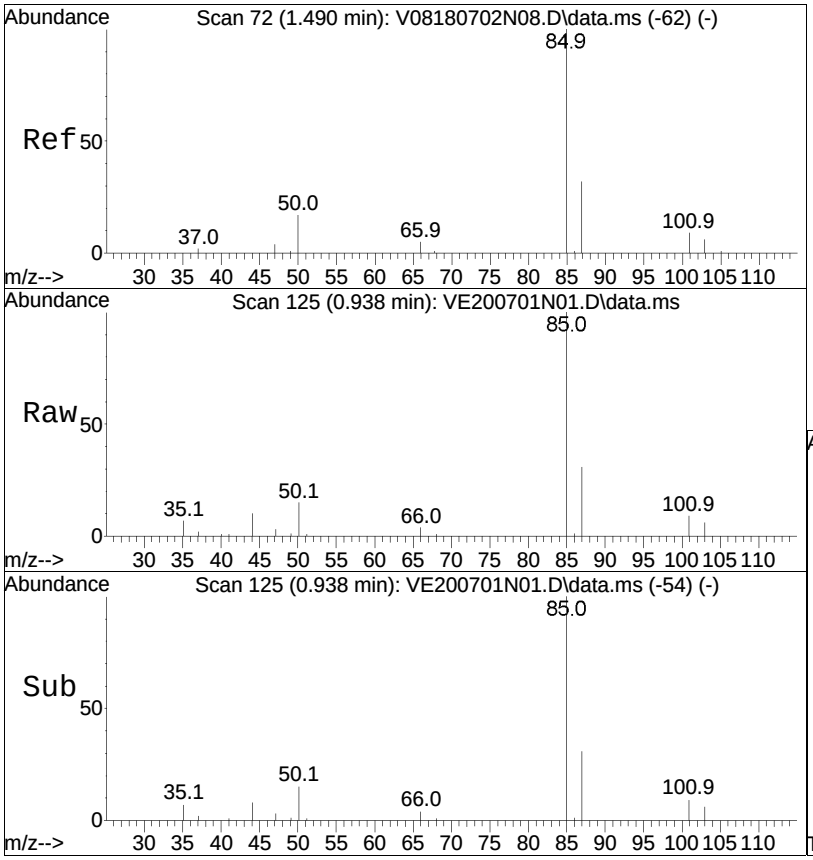
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2020\200701N\
Data File : VE200701N01.D
Acq On : 1 Jul 2020 5:15 pm
Operator : ELAINE:TMS
Sample : WG1388497-3,31,10,10
Misc : WG1388497,ICAL16849
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 01 17:59:59 2020
Quant Method : I:\VOLATILES\Elaine\2020\200701N\Elaine_200602N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jun 03 14:54:28 2020
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox00701N\VE200701N01.D•

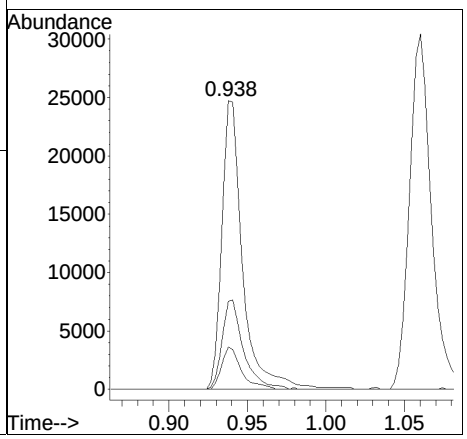


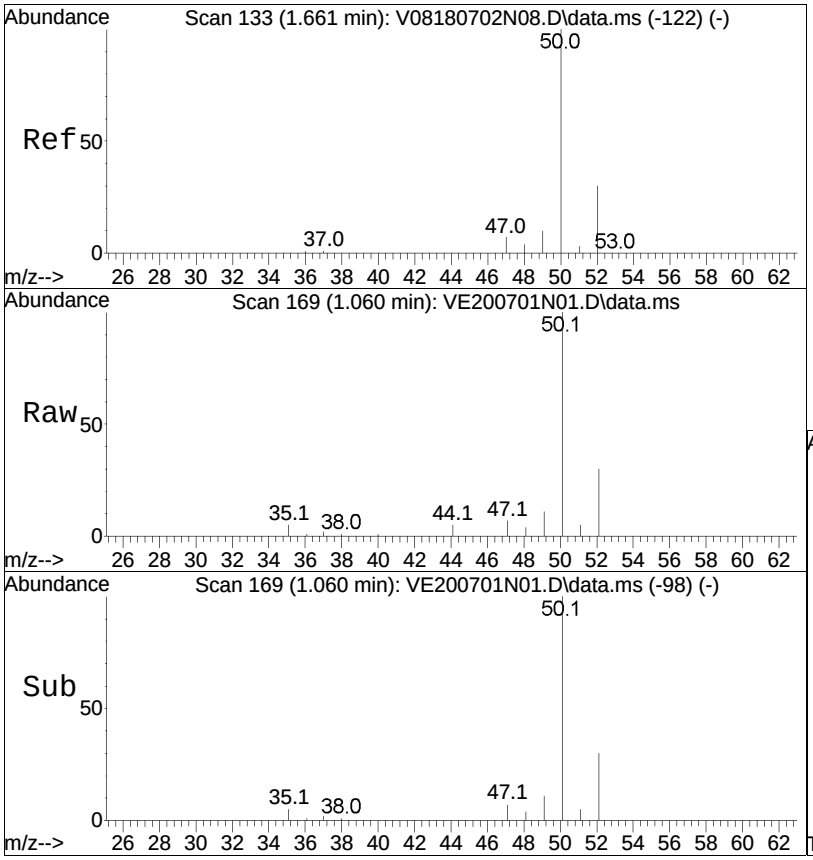


#2
Dichlorodifluoromethane
Concen: 9.14 ug/L M1
RT: 0.938 min Scan# 125
Delta R.T. -0.003 min
Lab File: VE200701N01.D
Acq: 1 Jul 2020 5:15 pm

Tgt Ion: 85 Resp: 22967

Ion	Ratio	Lower	Upper
85	100		
87	31.6	21.0	43.6
50	13.9	8.9	18.5

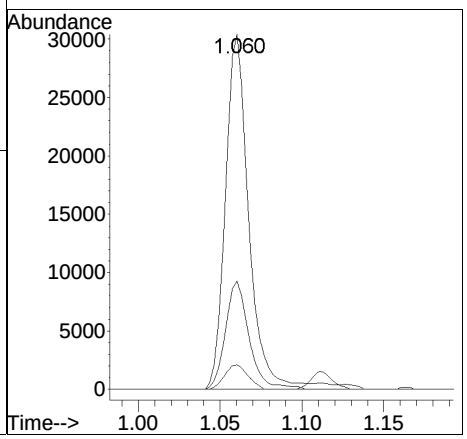


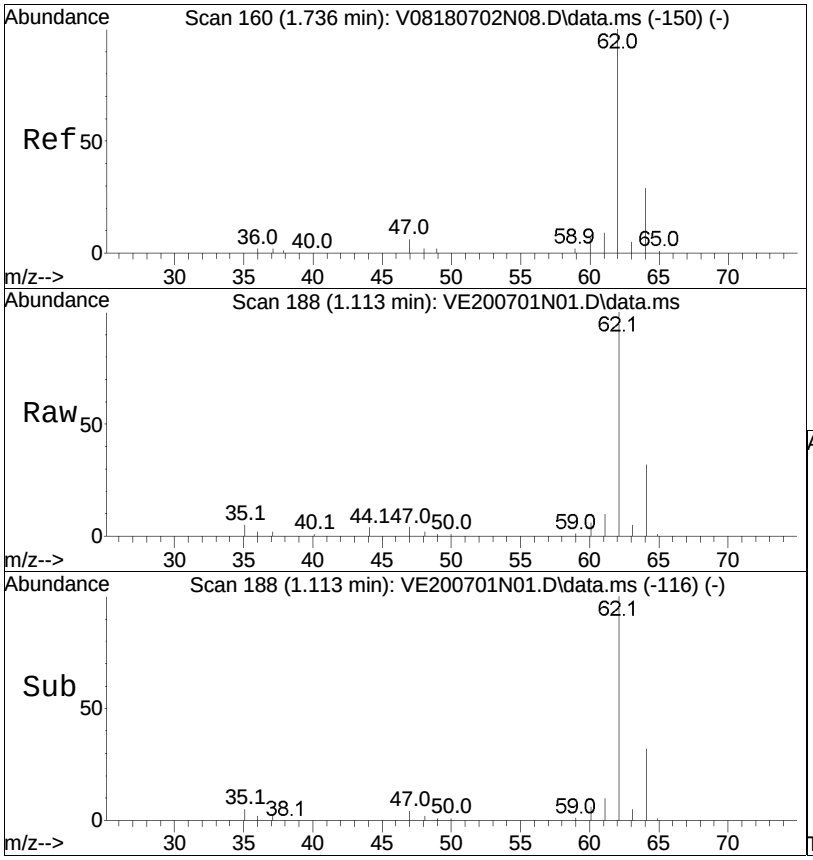


#3
Chloromethane
Concen: 11.57 ug/L M1
RT: 1.060 min Scan# 169
Delta R.T. -0.003 min
Lab File: VE200701N01.D
Acq: 1 Jul 2020 5:15 pm

Tgt Ion: 50 Resp: 30812

Ion	Ratio	Lower	Upper
50	100		
52	30.3	12.9	52.9
47	6.8	0.0	28.3

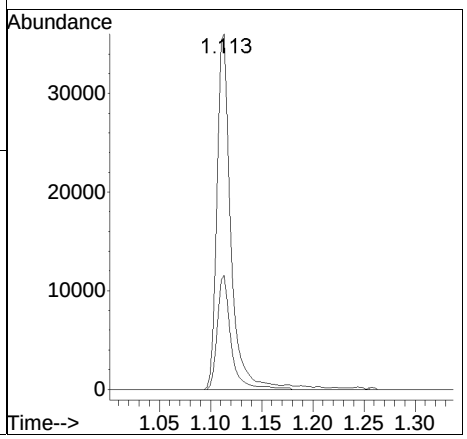


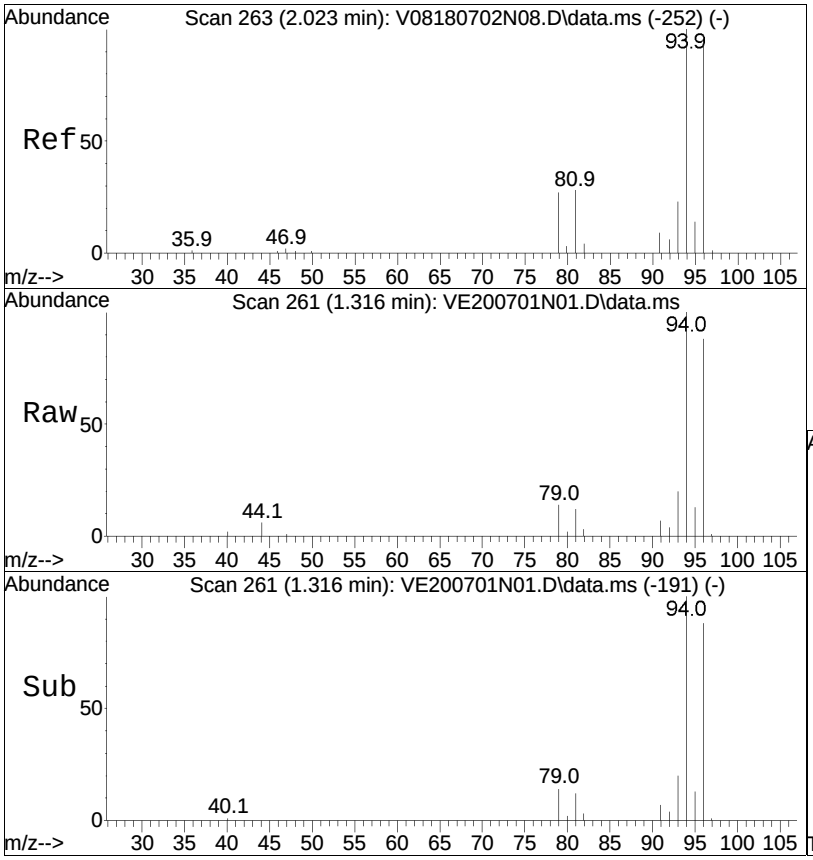


#4
Vinyl chloride
Concen: 11.68 ug/L M1
RT: 1.113 min Scan# 188
Delta R.T. 0.000 min
Lab File: VE200701N01.D
Acq: 1 Jul 2020 5:15 pm

Tgt Ion: 62 Resp: 34948

Ion	Ratio	Lower	Upper
62	100		
64	29.9	9.1	49.1

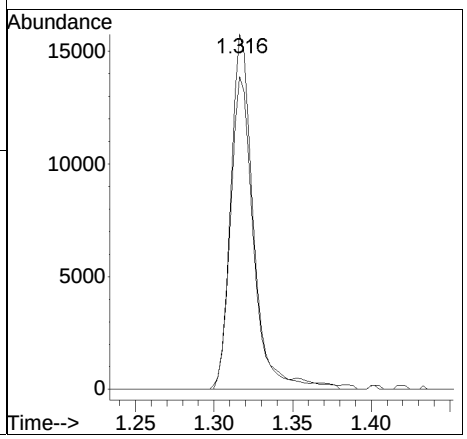


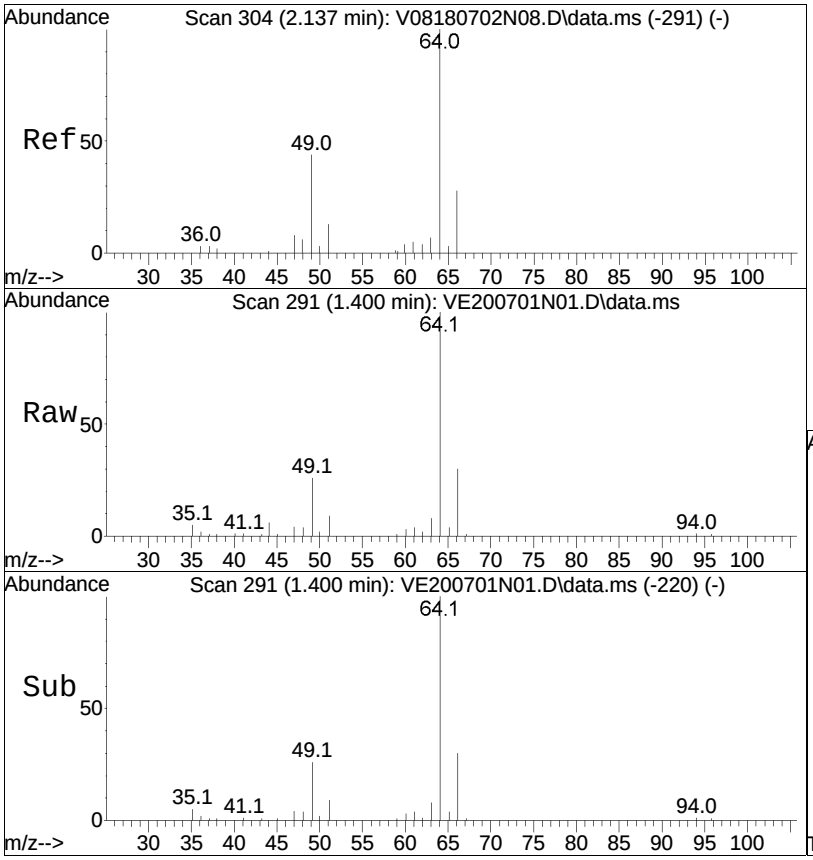


#5
Bromomethane
Concen: 11.79 ug/L M1
RT: 1.316 min Scan# 261
Delta R.T. -0.006 min
Lab File: VE200701N01.D
Acq: 1 Jul 2020 5:15 pm

Tgt Ion: 94 Resp: 15936

Ion	Ratio	Lower	Upper
94	100		
96	88.3	75.6	115.6

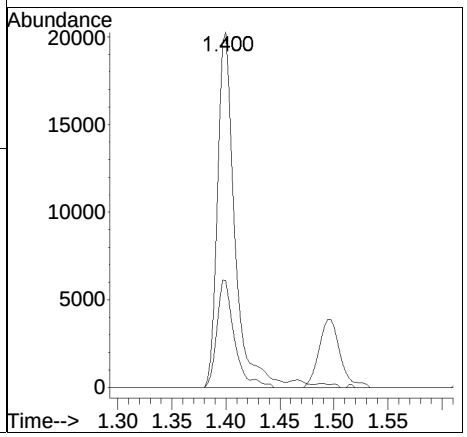


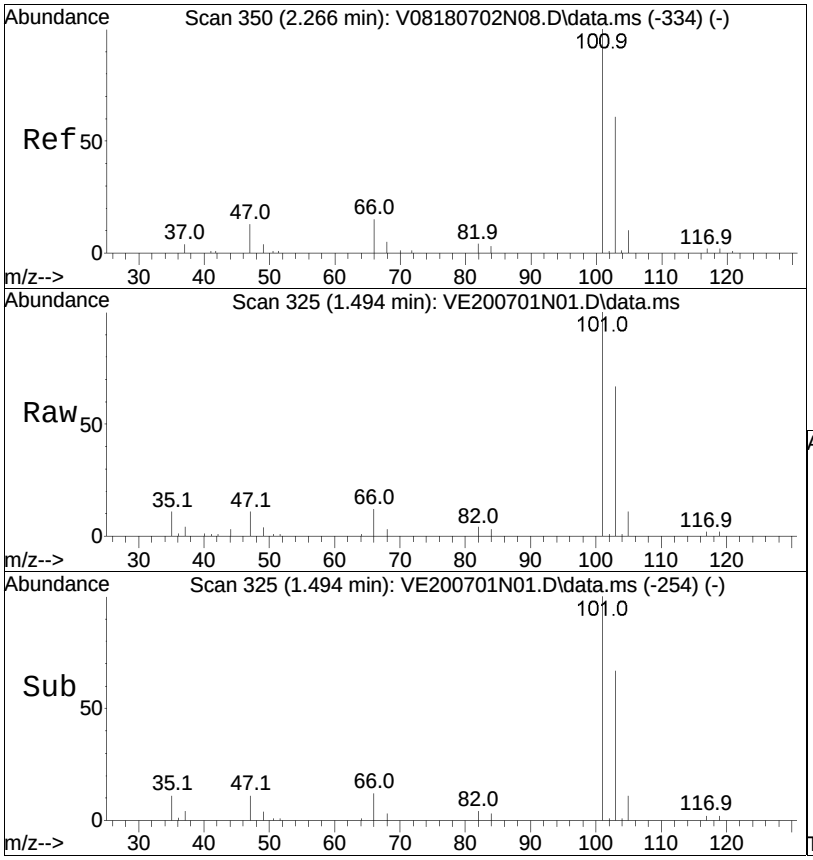


#6
Chloroethane
Concen: 13.35 ug/L M1
RT: 1.400 min Scan# 291
Delta R.T. -0.002 min
Lab File: VE200701N01.D
Acq: 1 Jul 2020 5:15 pm

Tgt Ion: 64 Resp: 23111

Ion	Ratio	Lower	Upper
64	100		
66	29.9	9.8	49.8

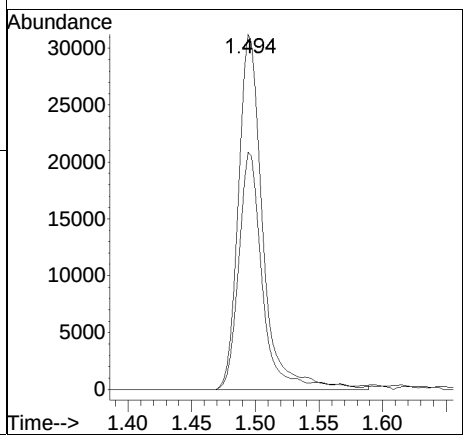


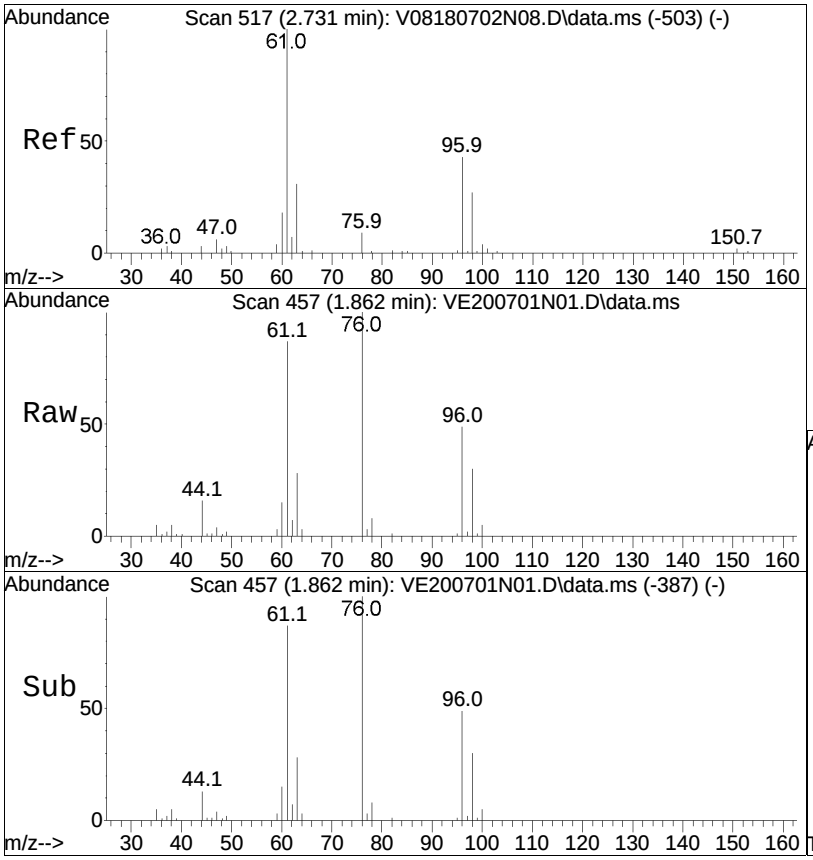


#7
Trichlorofluoromethane
Concen: 12.11 ug/L M1
RT: 1.494 min Scan# 325
Delta R.T. -0.003 min
Lab File: VE200701N01.D
Acq: 1 Jul 2020 5:15 pm

Tgt Ion:101 Resp: 41499

Ion	Ratio	Lower	Upper
101	100		
103	63.1	53.8	80.6

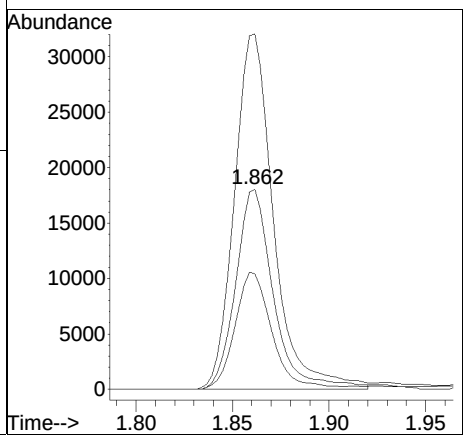


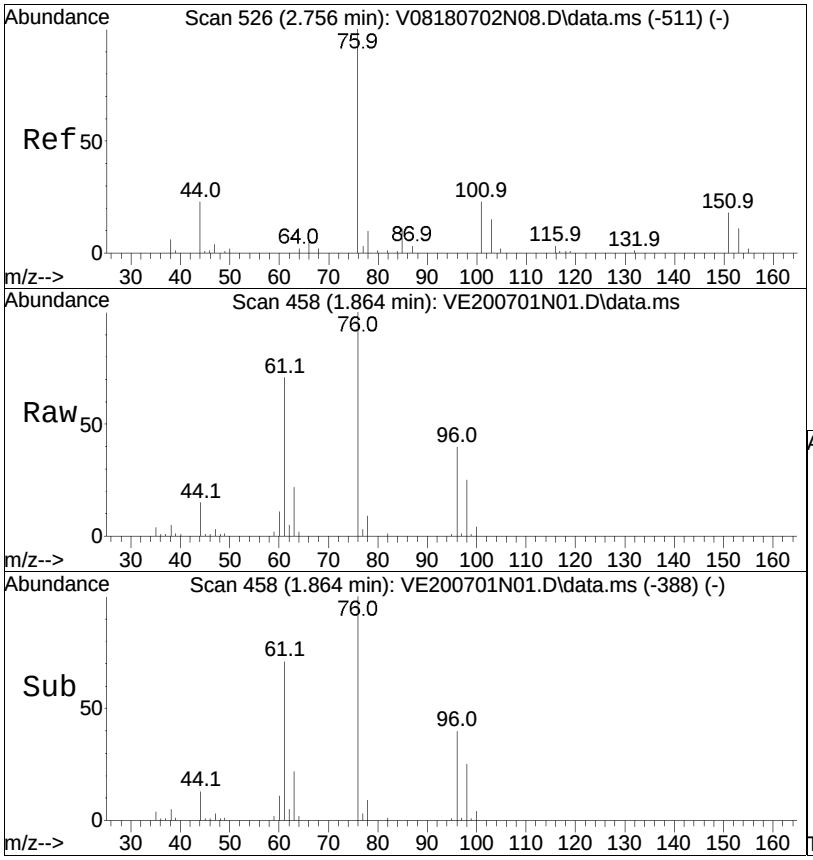


#10
1,1-Dichloroethene
Concen: 11.84 ug/L
RT: 1.862 min Scan# 457
Delta R.T. -0.005 min
Lab File: VE200701N01.D
Acq: 1 Jul 2020 5:15 pm

Tgt Ion: 96 Resp: 24690

Ion	Ratio	Lower	Upper
96	100		
61	184.3	186.1	279.1#
63	56.9	57.6	86.4#

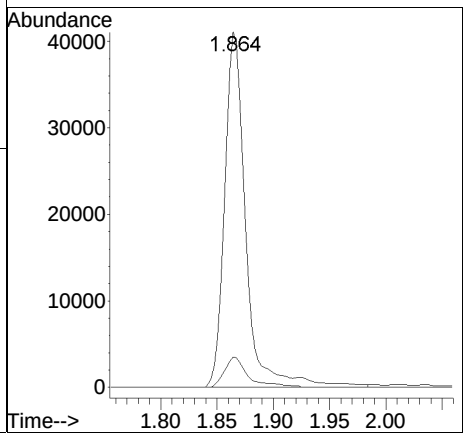


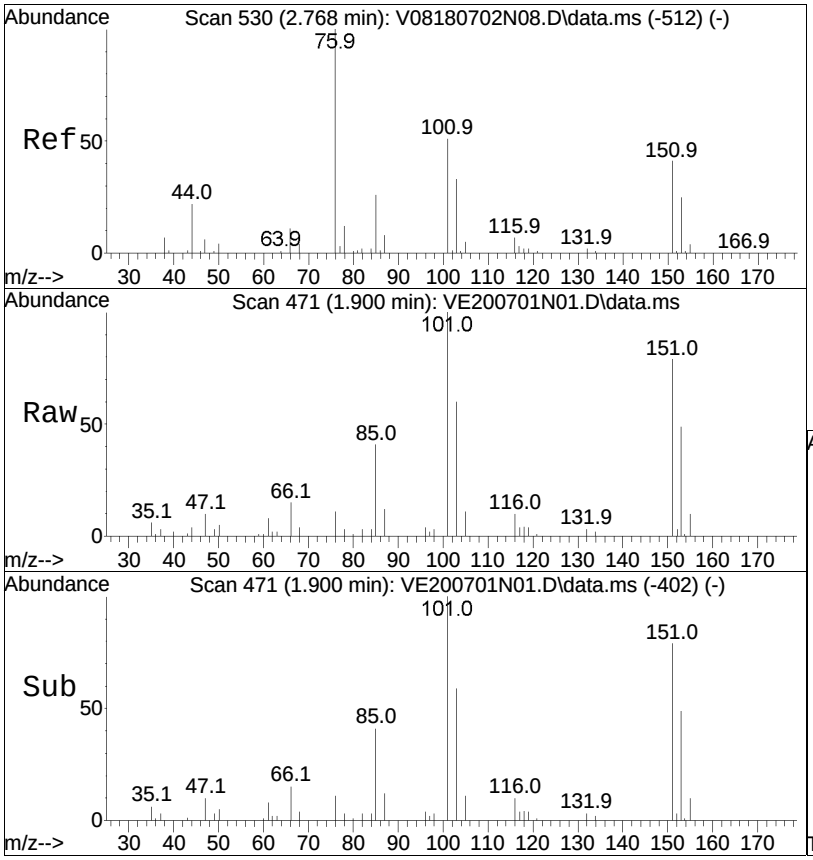


#11
Carbon disulfide
Concen: 11.08 ug/L M1
RT: 1.864 min Scan# 458
Delta R.T. -0.006 min
Lab File: VE200701N01.D
Acq: 1 Jul 2020 5:15 pm

Tgt Ion: 76 Resp: 54137

Ion	Ratio	Lower	Upper
76	100		
78	9.6	5.7	11.7

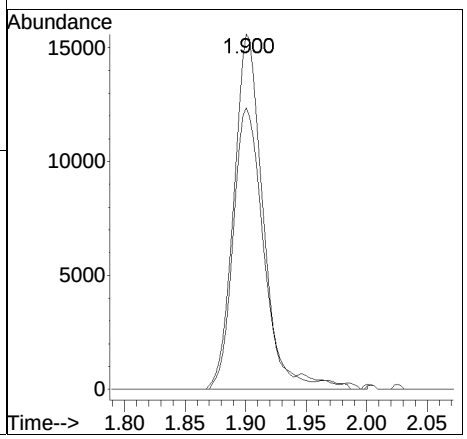


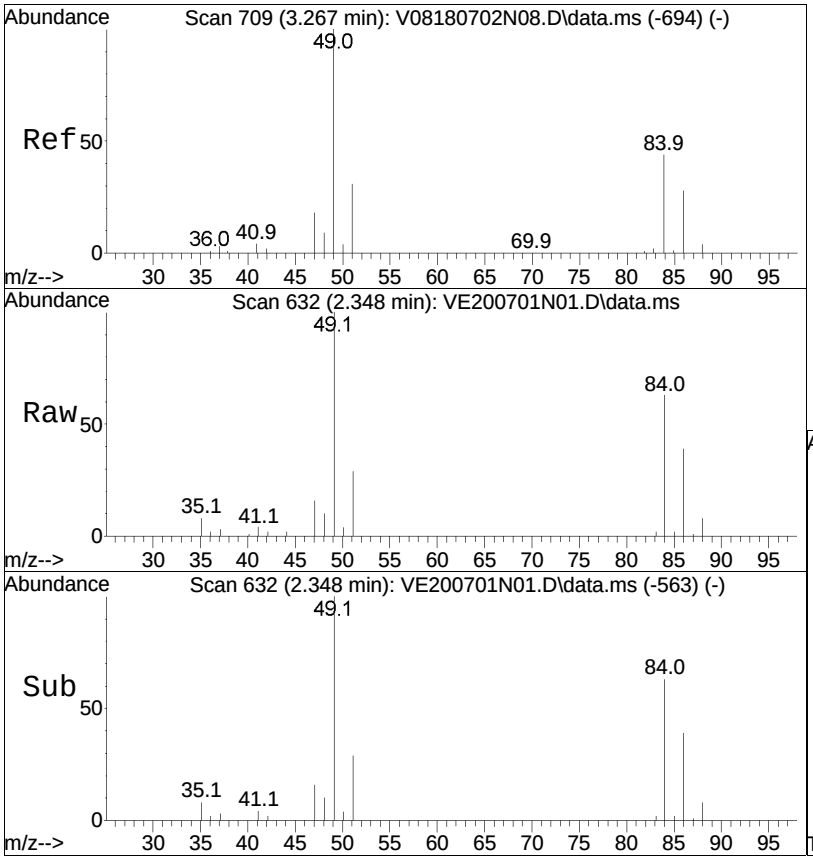


#12
Freon-113
Concen: 12.04 ug/L M1
RT: 1.900 min Scan# 471
Delta R.T. -0.009 min
Lab File: VE200701N01.D
Acq: 1 Jul 2020 5:15 pm

Tgt Ion:101 Resp: 26595

Ion	Ratio	Lower	Upper
101	100		
151	80.6	59.8	89.8

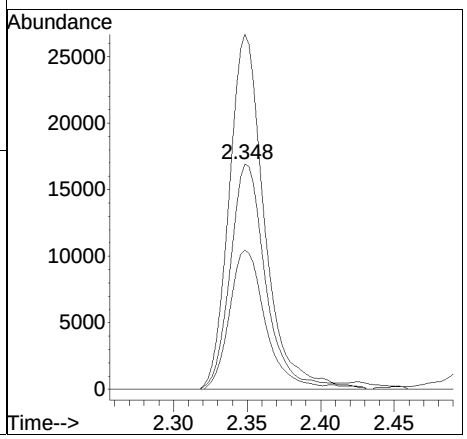


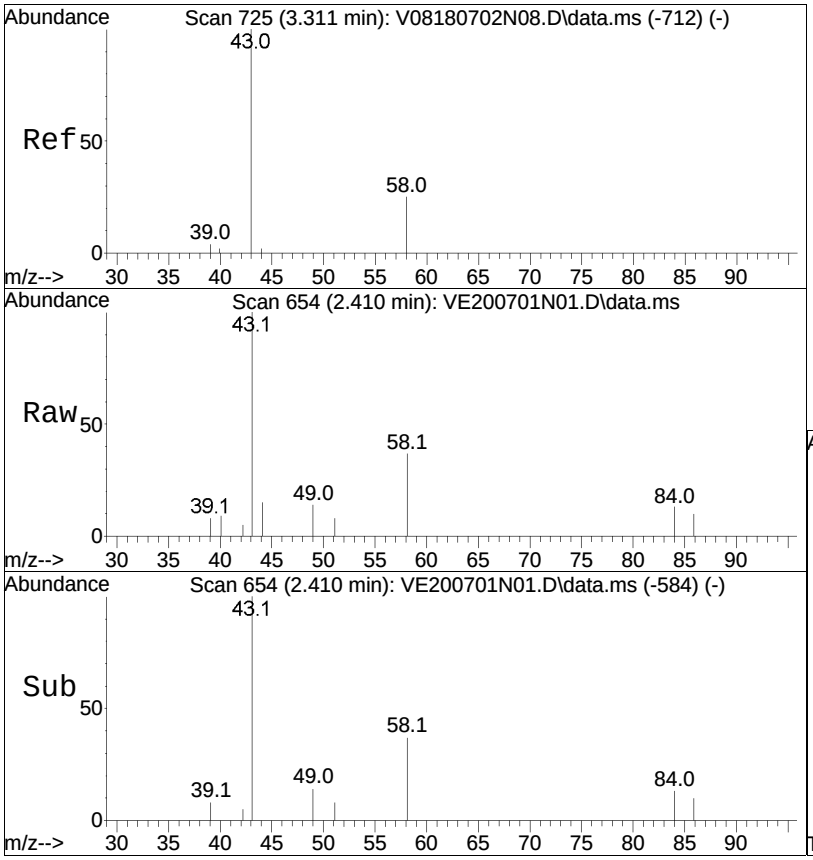


#15
Methylene chloride
Concen: 11.29 ug/L
RT: 2.348 min Scan# 632
Delta R.T. -0.009 min
Lab File: VE200701N01.D
Acq: 1 Jul 2020 5:15 pm

Tgt Ion: 84 Resp: 28703

Ion	Ratio	Lower	Upper
84	100		
86	61.9	40.4	83.8
49	154.6	120.0	249.2

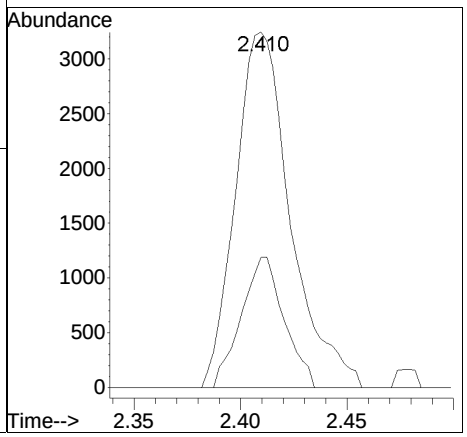


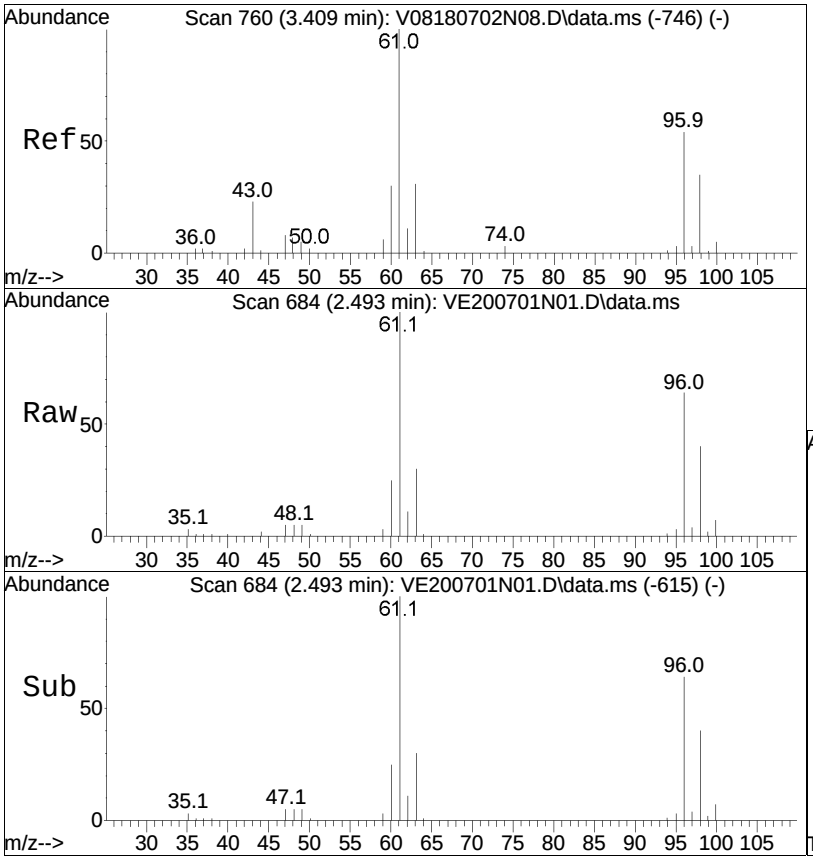


#17
Acetone
Concen: 10.25 ug/L
RT: 2.410 min Scan# 654
Delta R.T. -0.005 min
Lab File: VE200701N01.D
Acq: 1 Jul 2020 5:15 pm

Tgt Ion: 43 Resp: 5820

Ion	Ratio	Lower	Upper
43	100		
58	28.6	24.2	36.4

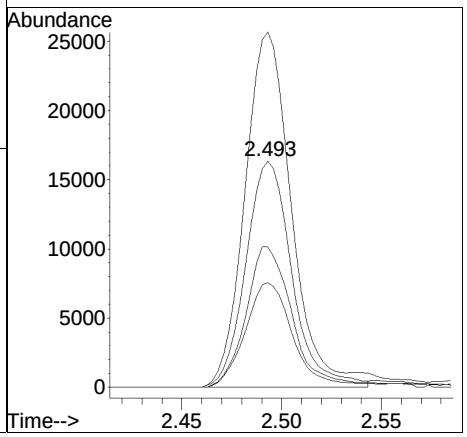


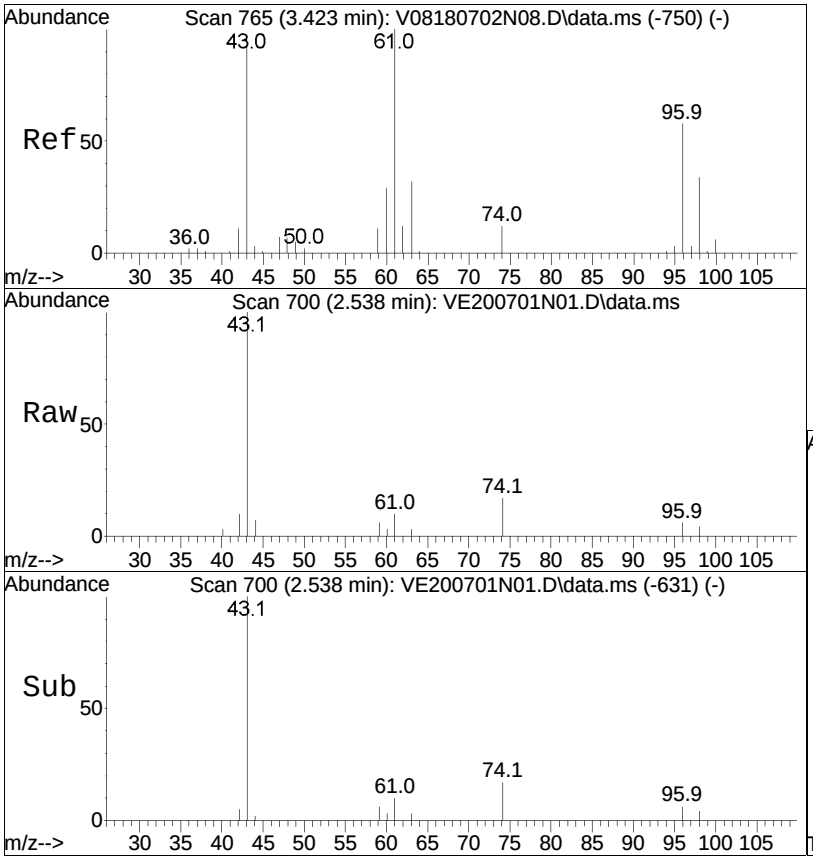


#18
trans-1,2-Dichloroethene
Concen: 11.74 ug/L
RT: 2.493 min Scan# 684
Delta R.T. -0.008 min
Lab File: VE200701N01.D
Acq: 1 Jul 2020 5:15 pm

Tgt Ion: 96 Resp: 26417

Ion	Ratio	Lower	Upper
96	100		
61	155.3	124.0	257.6
98	62.6	41.2	85.6
63	47.9	38.4	79.7

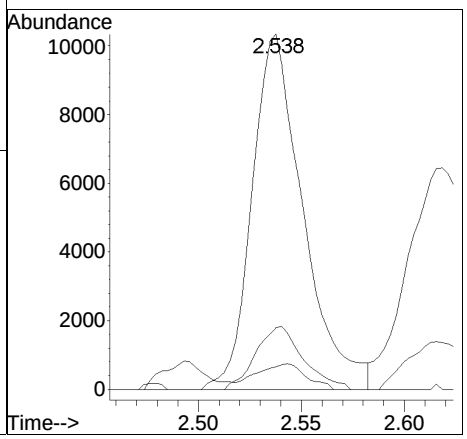


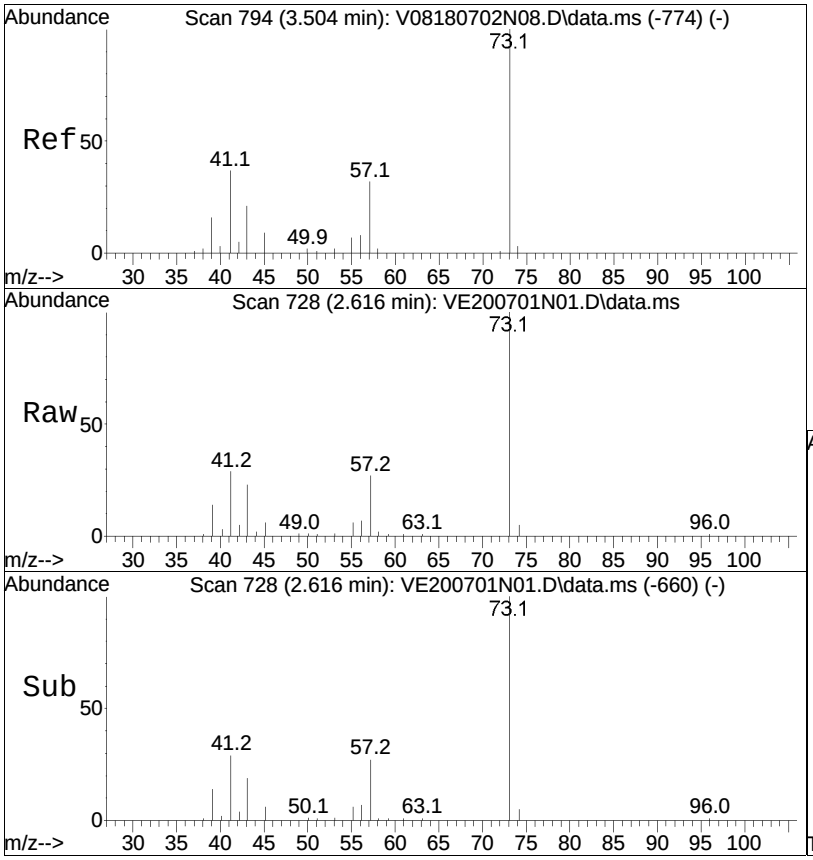


#19
Methyl acetate
Concen: 10.76 ug/L
RT: 2.538 min Scan# 700
Delta R.T. -0.008 min
Lab File: VE200701N01.D
Acq: 1 Jul 2020 5:15 pm

Tgt Ion: 43 Resp: 17824

Ion	Ratio	Lower	Upper
43	100		
74	16.5	14.2	21.4
59	7.0	5.0	7.6

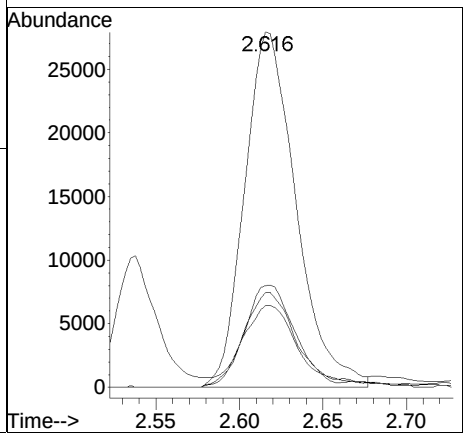


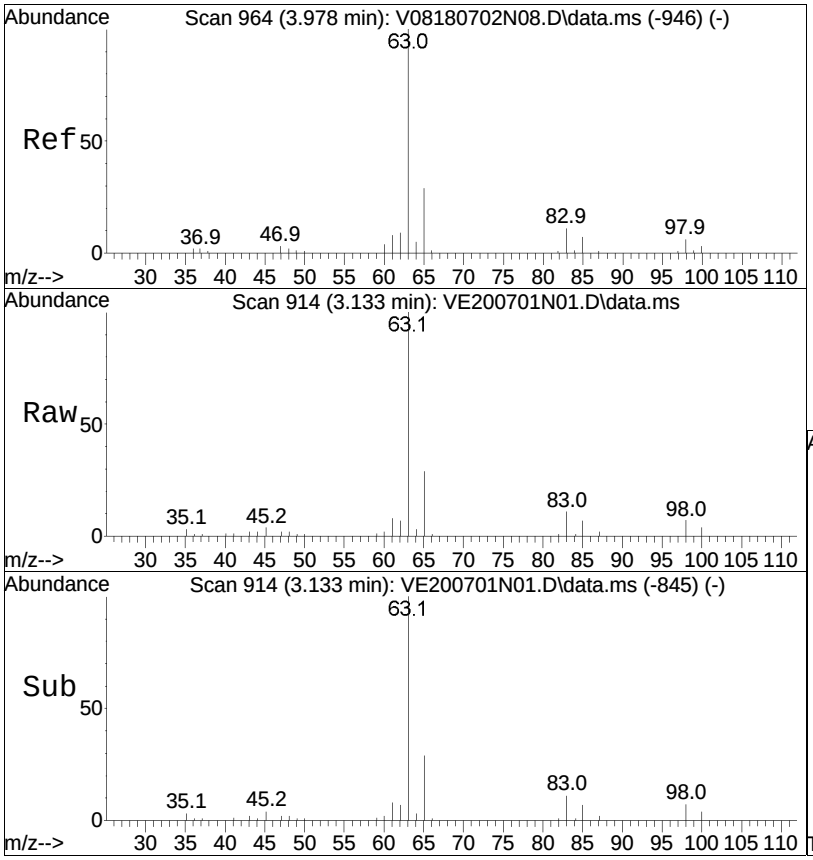


#20
Methyl tert-butyl ether
Concen: 9.14 ug/L
RT: 2.616 min Scan# 728
Delta R.T. -0.011 min
Lab File: VE200701N01.D
Acq: 1 Jul 2020 5:15 pm

Tgt Ion: 73 Resp: 59987

Ion	Ratio	Lower	Upper
73	100		
57	26.7	17.5	36.3
43	23.7	15.3	31.9
41	28.4	15.3	31.7

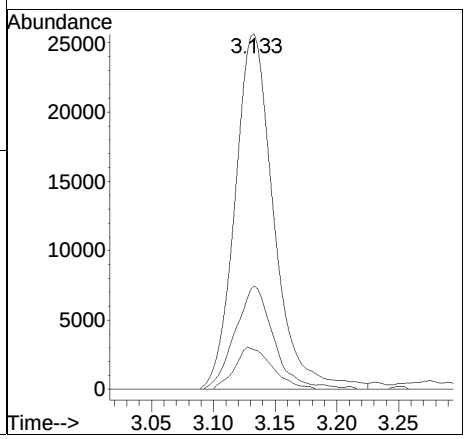


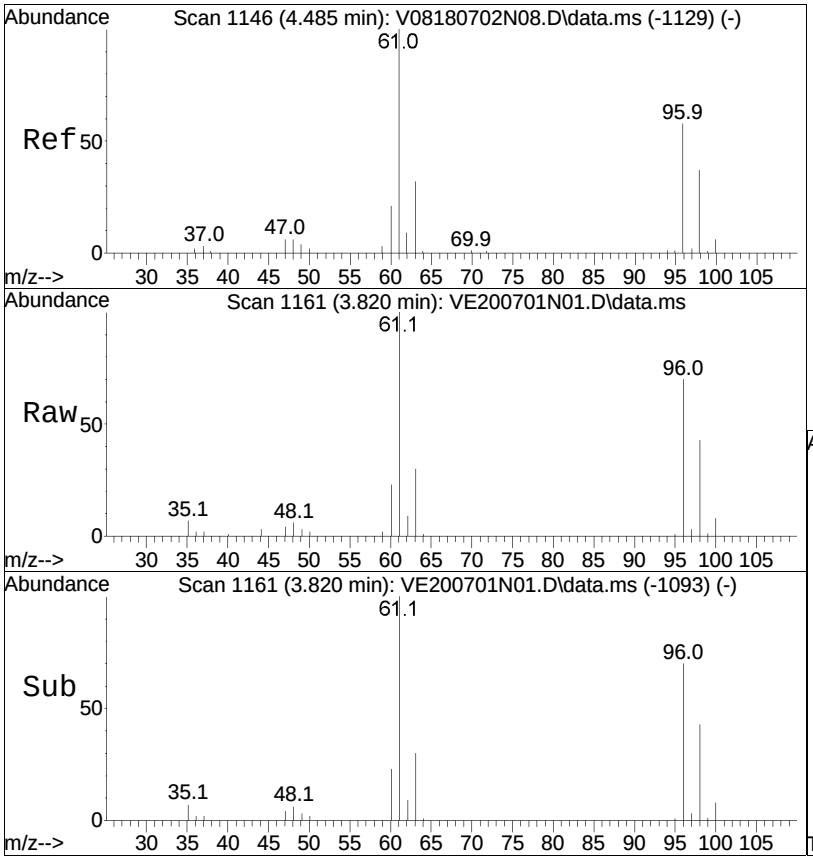


#23
1,1-Dichloroethane
Concen: 11.90 ug/L
RT: 3.133 min Scan# 914
Delta R.T. -0.008 min
Lab File: VE200701N01.D
Acq: 1 Jul 2020 5:15 pm

Tgt Ion: 63 Resp: 56181

Ion	Ratio	Lower	Upper
63	100		
65	28.4	11.0	51.0
83	11.5	0.0	31.8

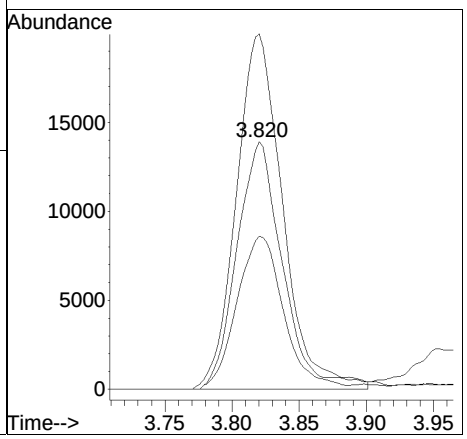


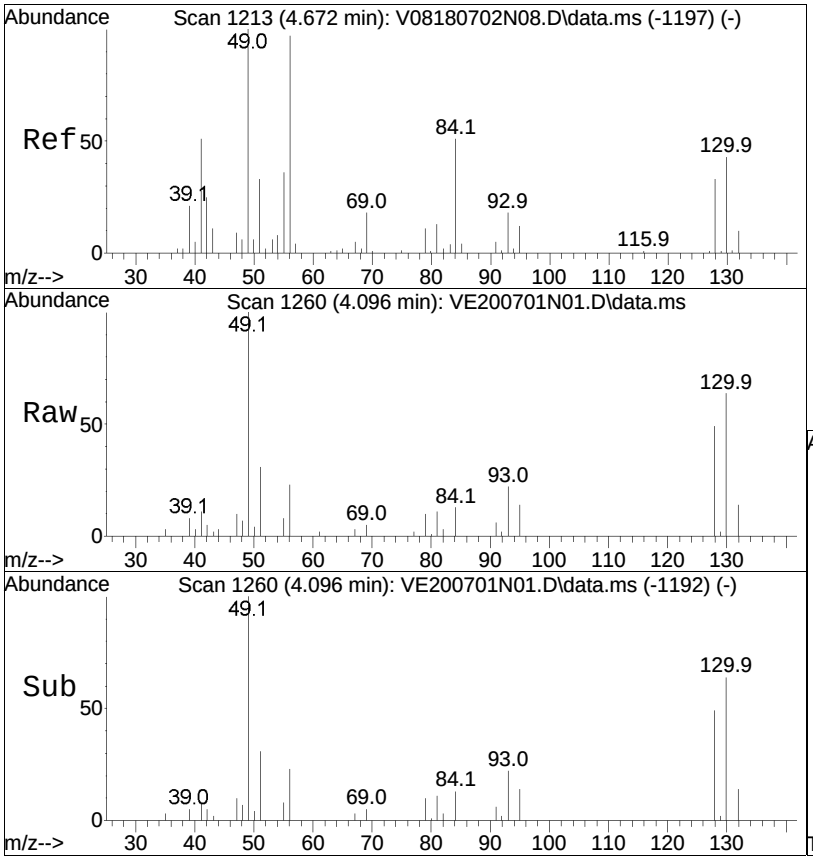


#28
cis-1,2-Dichloroethene
Concen: 12.87 ug/L
RT: 3.820 min Scan# 1161
Delta R.T. -0.011 min
Lab File: VE200701N01.D
Acq: 1 Jul 2020 5:15 pm

Tgt Ion: 96 Resp: 33020

Ion	Ratio	Lower	Upper
96	100		
61	143.7	149.4	224.2#
98	63.5	53.4	80.2

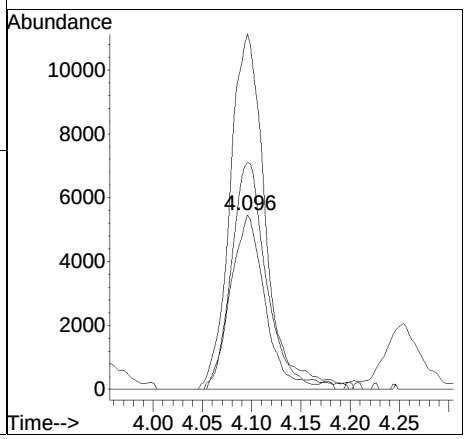


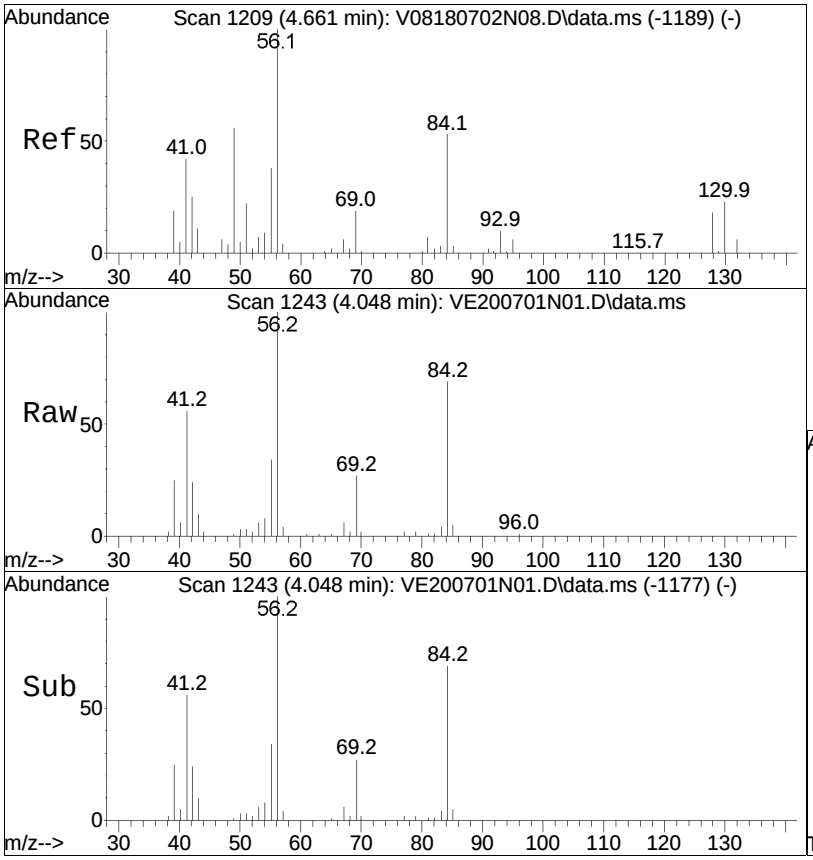


#30
Bromochloromethane
Concen: 11.94 ug/L M1
RT: 4.096 min Scan# 1260
Delta R.T. -0.011 min
Lab File: VE200701N01.D
Acq: 1 Jul 2020 5:15 pm

Tgt Ion:128 Resp: 13828

Ion	Ratio	Lower	Upper
128	100		
49	199.3	223.0	334.4#
130	126.1	111.4	167.0

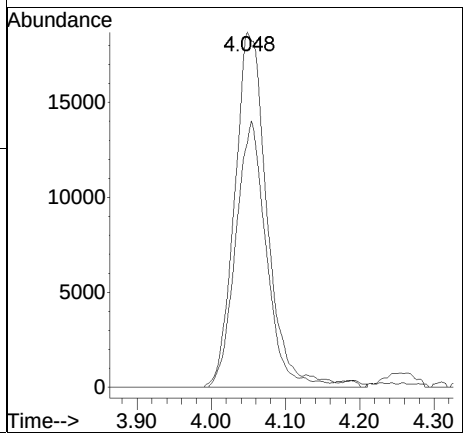


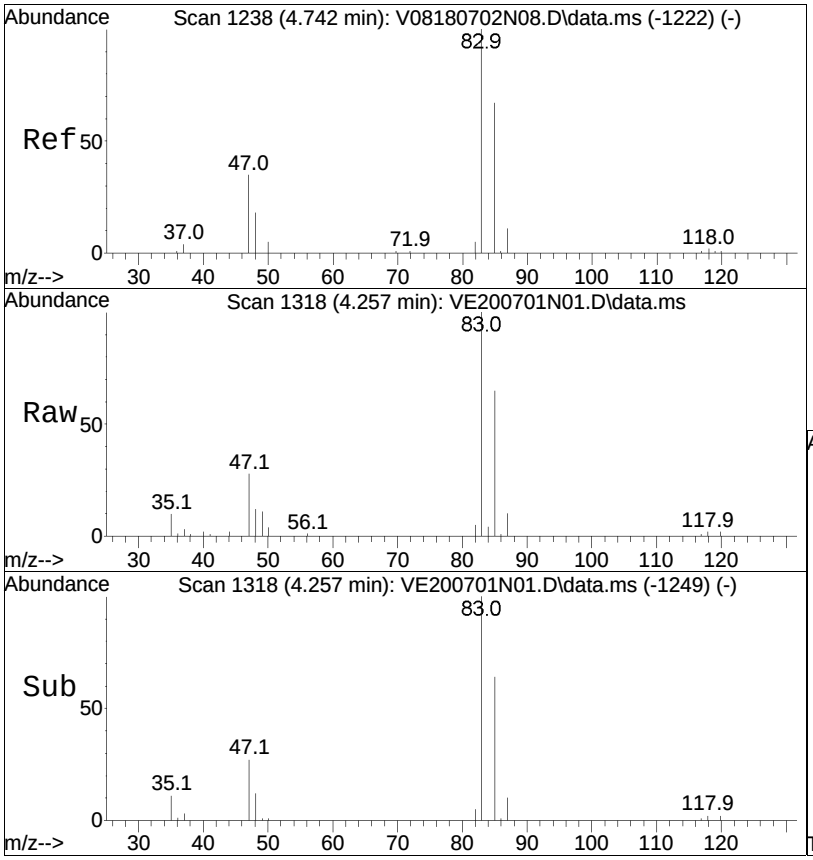


#31
Cyclohexane
Concen: 12.14 ug/L M1
RT: 4.048 min Scan# 1243
Delta R.T. -0.017 min
Lab File: VE200701N01.D
Acq: 1 Jul 2020 5:15 pm

Tgt Ion: 56 Resp: 57357

Ion	Ratio	Lower	Upper
56	100		
84	68.7	38.4	79.8

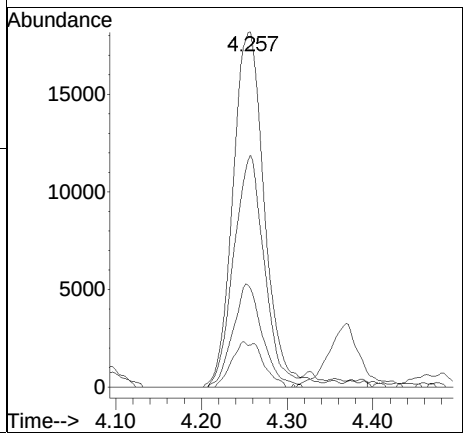


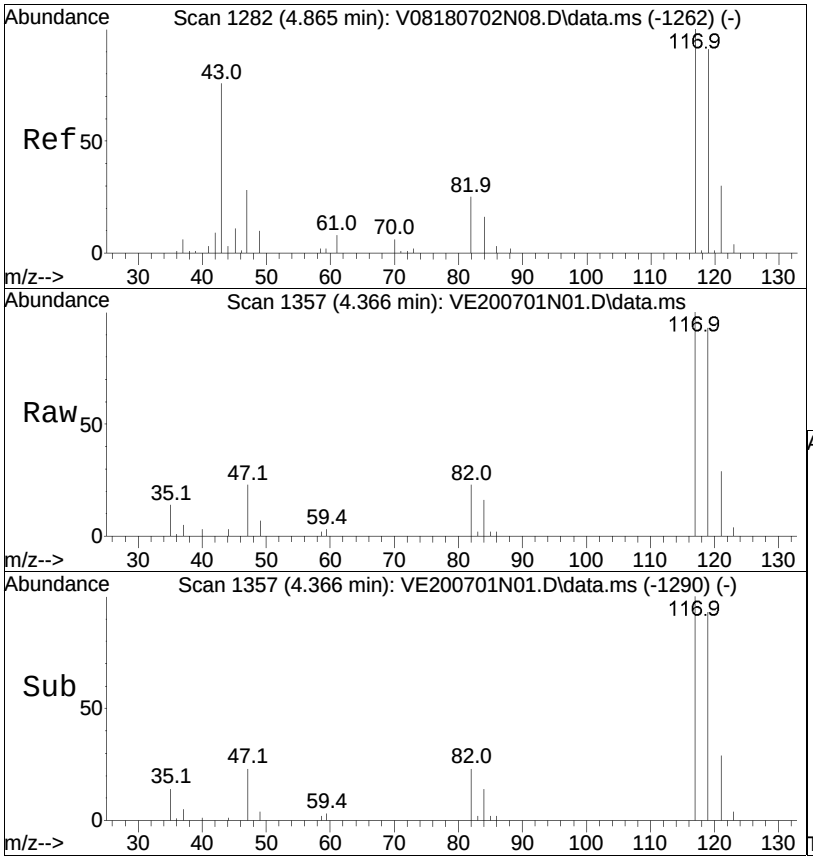


#32
Chloroform
Concen: 11.34 ug/L M1
RT: 4.257 min Scan# 1318
Delta R.T. -0.008 min
Lab File: VE200701N01.D
Acq: 1 Jul 2020 5:15 pm

Tgt Ion: 83 Resp: 48171

Ion	Ratio	Lower	Upper
83	100		
85	61.4	41.5	86.1
47	26.4	19.0	39.4
48	6.6	9.9	20.5#

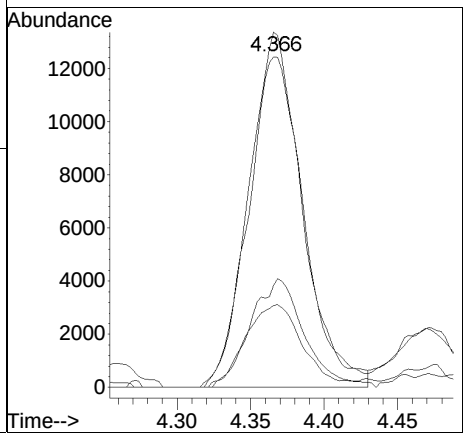


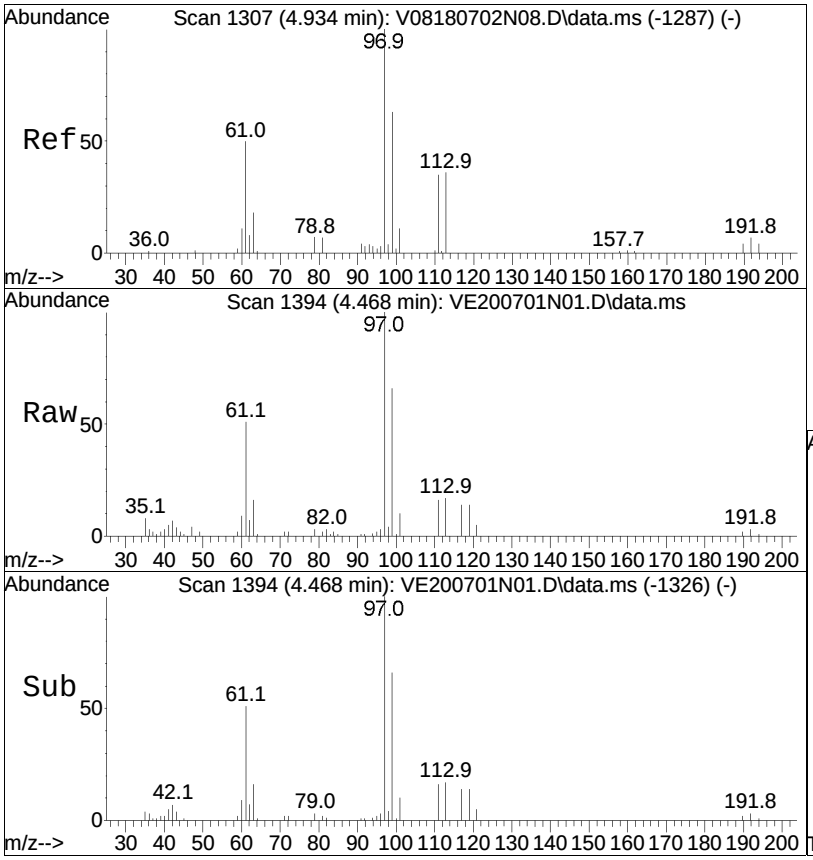


#34
Carbon tetrachloride
Concen: 10.46 ug/L
RT: 4.366 min Scan# 1357
Delta R.T. -0.013 min
Lab File: VE200701N01.D
Acq: 1 Jul 2020 5:15 pm

Tgt Ion:117 Resp: 33862

Ion	Ratio	Lower	Upper
117	100		
119	95.8	62.4	129.6
121	30.6	19.5	40.5
82	25.2	17.0	35.4

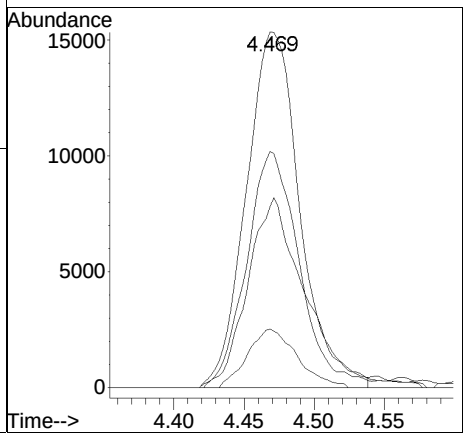


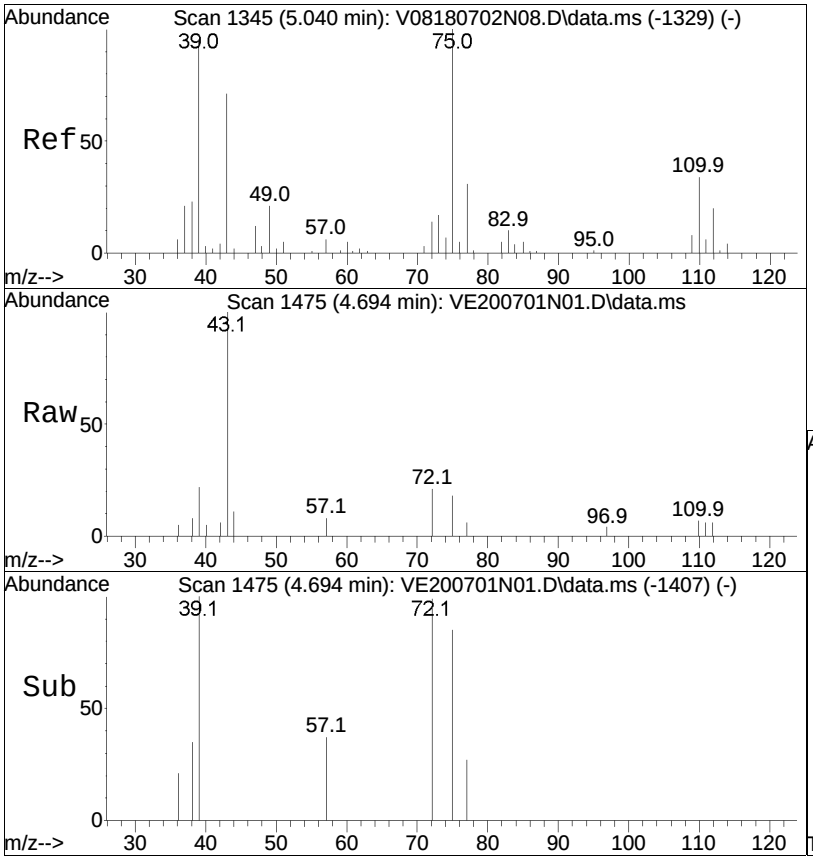


#37
1,1,1-Trichloroethane
Concen: 10.35 ug/L
RT: 4.468 min Scan# 1394
Delta R.T. -0.012 min
Lab File: VE200701N01.D
Acq: 1 Jul 2020 5:15 pm

Tgt Ion: 97 Resp: 40847

Ion	Ratio	Lower	Upper
97	100		
99	65.1	40.7	84.5
61	57.2	35.4	73.4
63	15.2	5.0	10.4#

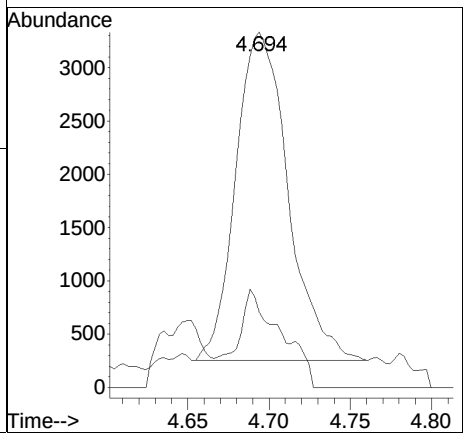


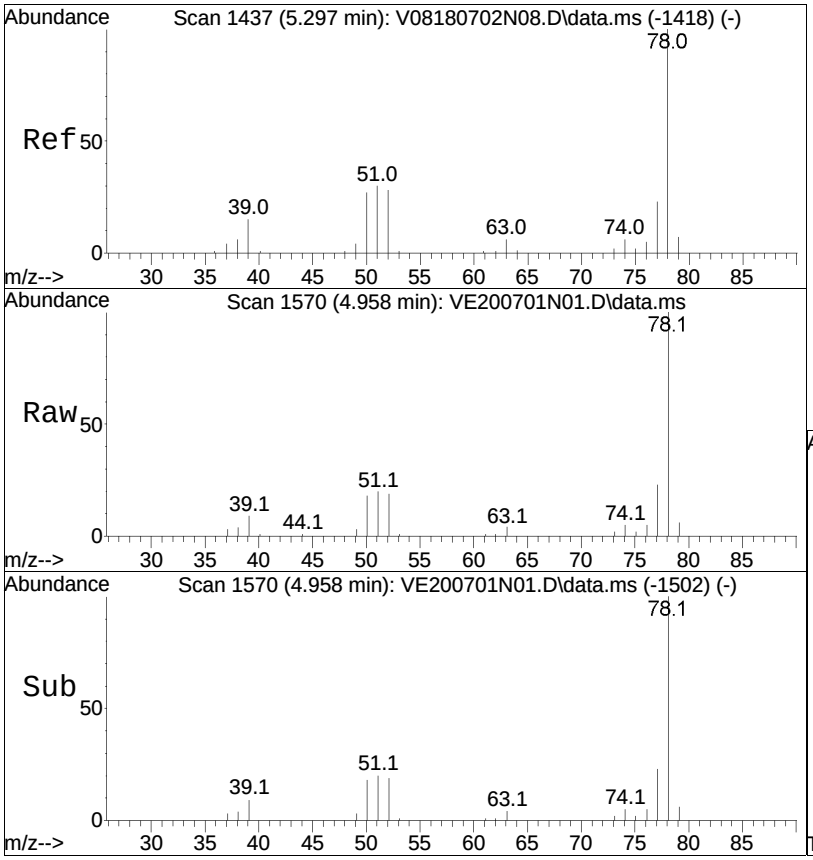


#39
2-Butanone
Concen: 7.74 ug/L
RT: 4.694 min Scan# 1475
Delta R.T. -0.011 min
Lab File: VE200701N01.D
Acq: 1 Jul 2020 5:15 pm

Tgt Ion: 43 Resp: 6906

Ion	Ratio	Lower	Upper
43	100		
72	23.1	10.9	16.3#

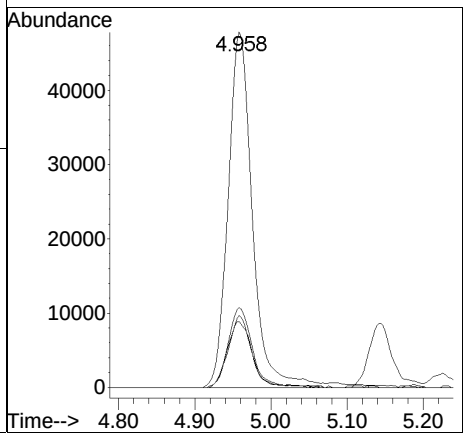


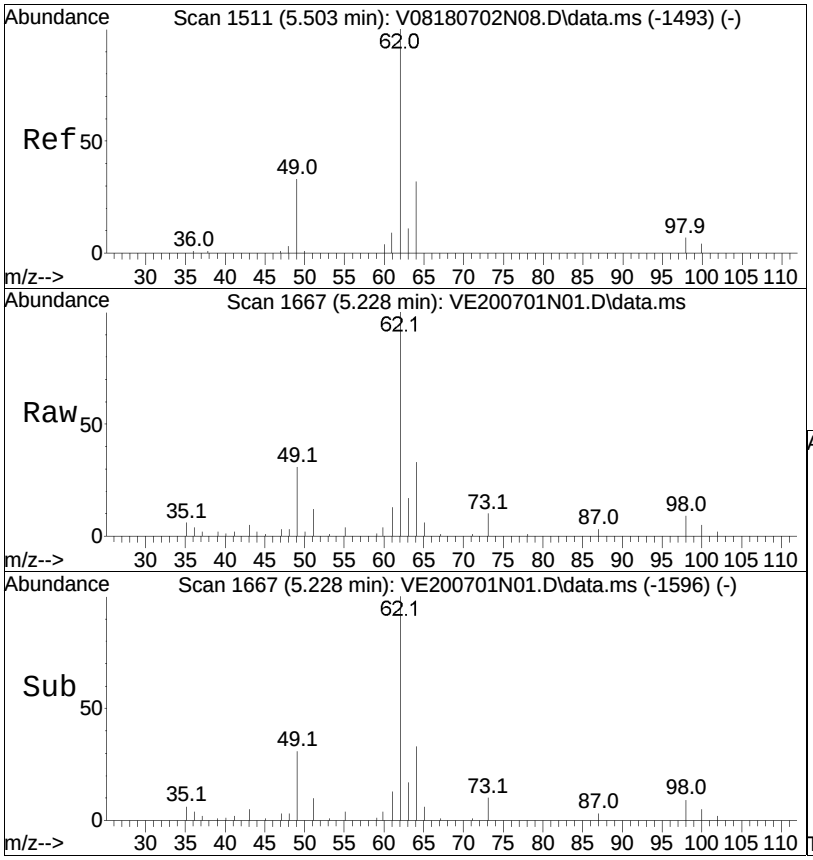


#41
Benzene
Concen: 10.11 ug/L M1
RT: 4.958 min Scan# 1570
Delta R.T. -0.011 min
Lab File: VE200701N01.D
Acq: 1 Jul 2020 5:15 pm

Tgt Ion: 78 Resp: 107376

Ion	Ratio	Lower	Upper
78	100		
77	21.7	15.7	32.7
51	18.9	16.0	33.2
52	18.8	15.3	31.9

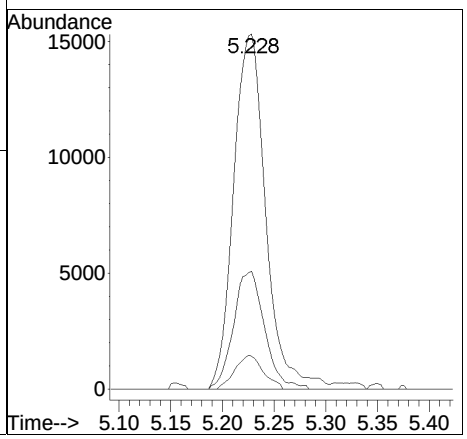


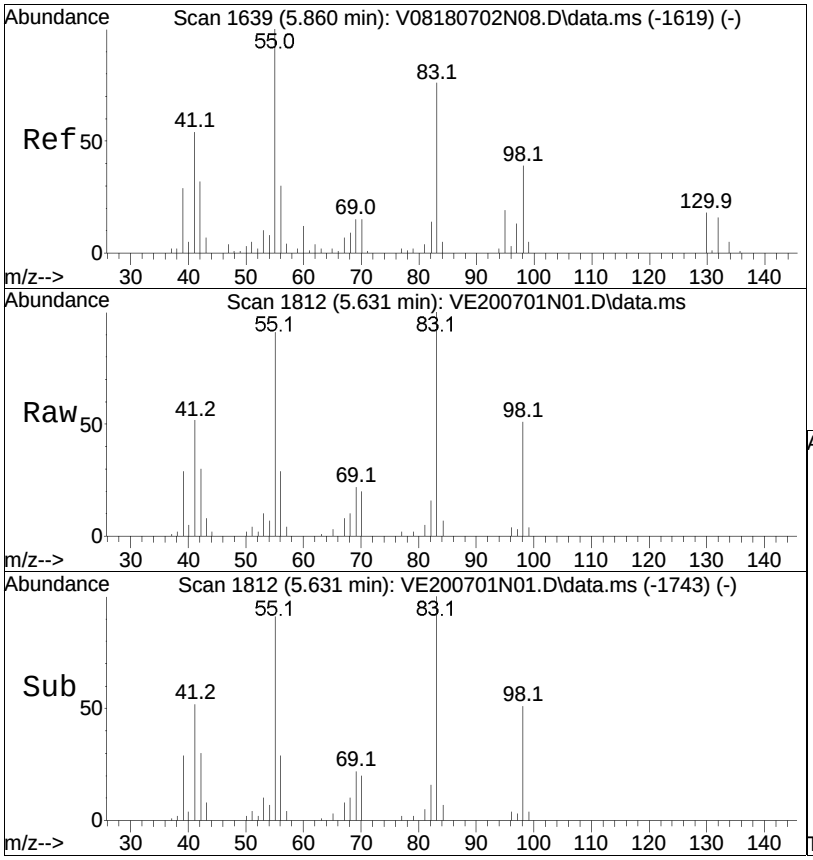


#44
1,2-Dichloroethane
Concen: 9.86 ug/L M1
RT: 5.228 min Scan# 1667
Delta R.T. -0.003 min
Lab File: VE200701N01.D
Acq: 1 Jul 2020 5:15 pm

Tgt Ion: 62 Resp: 33692

Ion	Ratio	Lower	Upper
62	100		
64	31.8	11.2	51.2
98	8.4	0.0	26.1

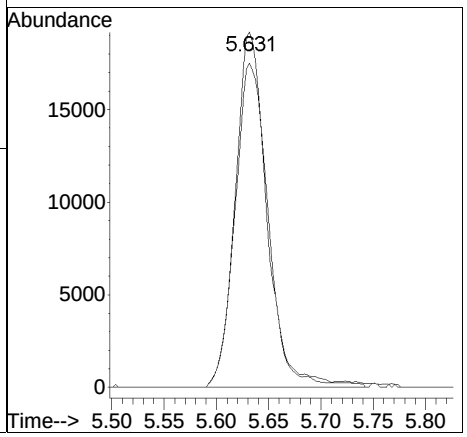


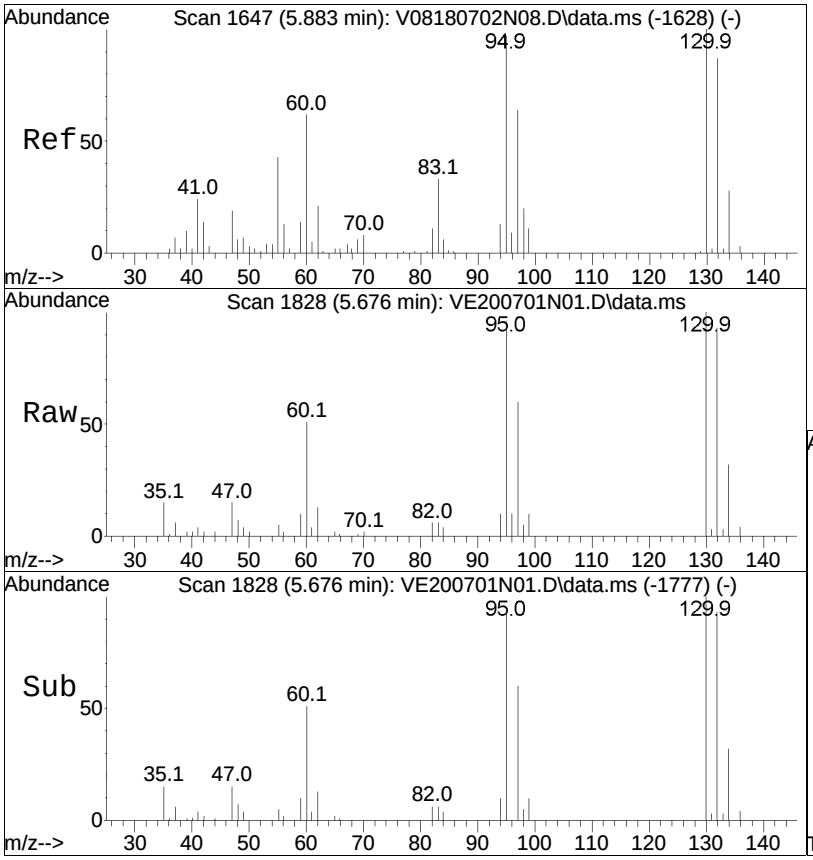


#47
Methyl cyclohexane
Concen: 9.79 ug/L M1
RT: 5.631 min Scan# 1812
Delta R.T. -0.009 min
Lab File: VE200701N01.D
Acq: 1 Jul 2020 5:15 pm

Tgt Ion: 83 Resp: 41280

Ion	Ratio	Lower	Upper
83	100		
55	91.9	88.3	132.5

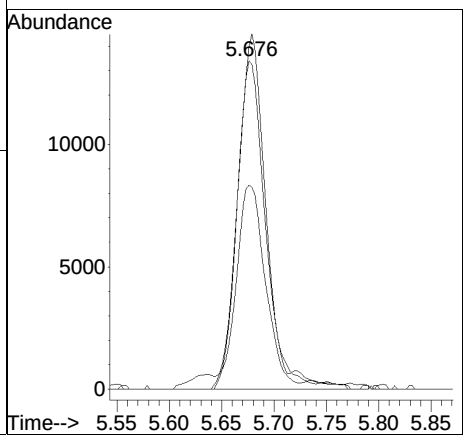


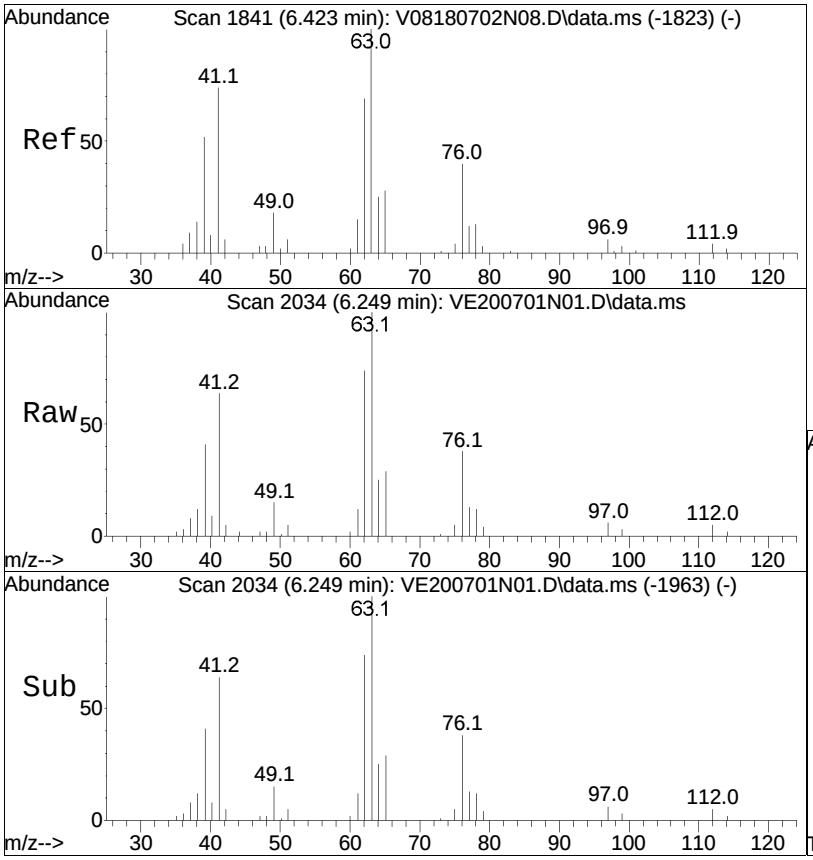


#48
Trichloroethene
Concen: 11.32 ug/L M1
RT: 5.676 min Scan# 1828
Delta R.T. -0.008 min
Lab File: VE200701N01.D
Acq: 1 Jul 2020 5:15 pm

Tgt Ion: 95 Resp: 26143

Ion	Ratio	Lower	Upper
95	100		
97	59.1	55.5	83.3
130	102.3	76.6	115.0

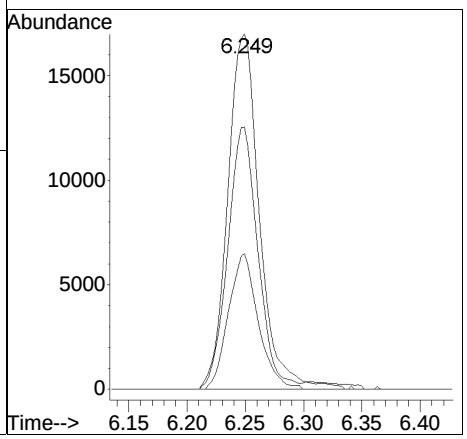


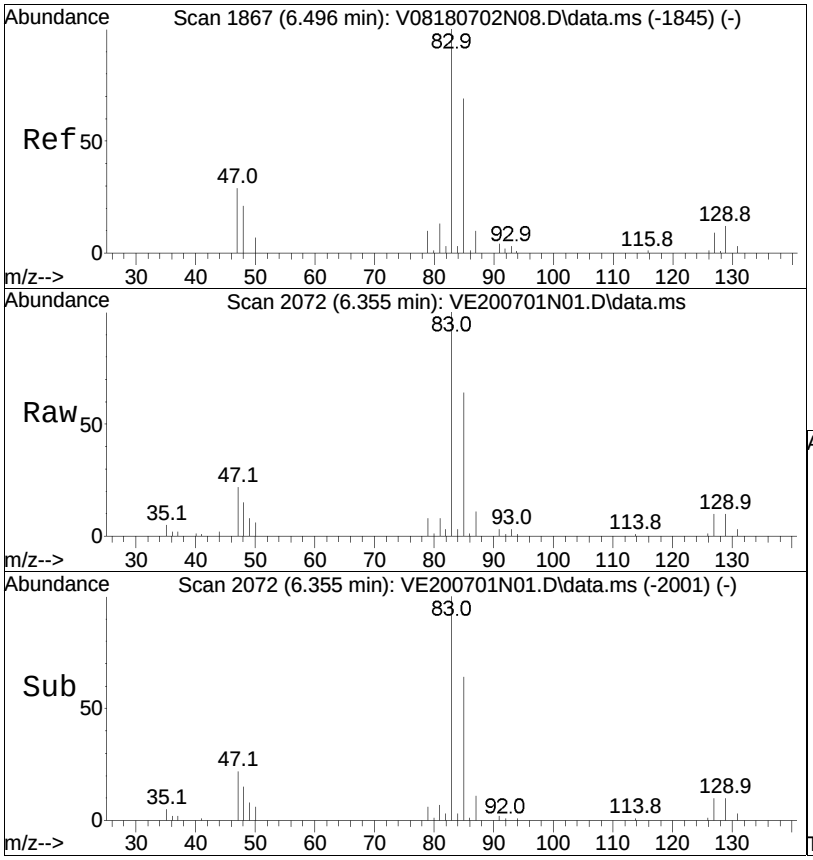


#51
1,2-Dichloropropane
Concen: 11.77 ug/L
RT: 6.249 min Scan# 2034
Delta R.T. -0.003 min
Lab File: VE200701N01.D
Acq: 1 Jul 2020 5:15 pm

Tgt Ion: 63 Resp: 32527

Ion	Ratio	Lower	Upper
63	100		
62	69.5	58.6	87.8
76	35.6	38.0	57.0#

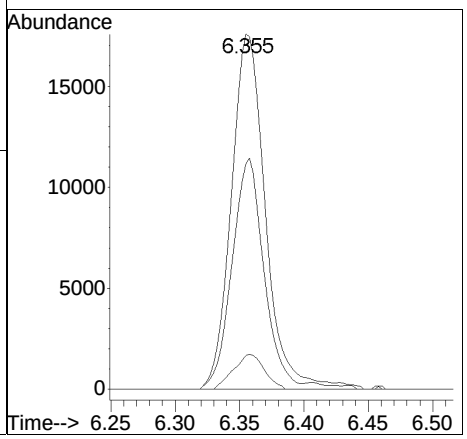


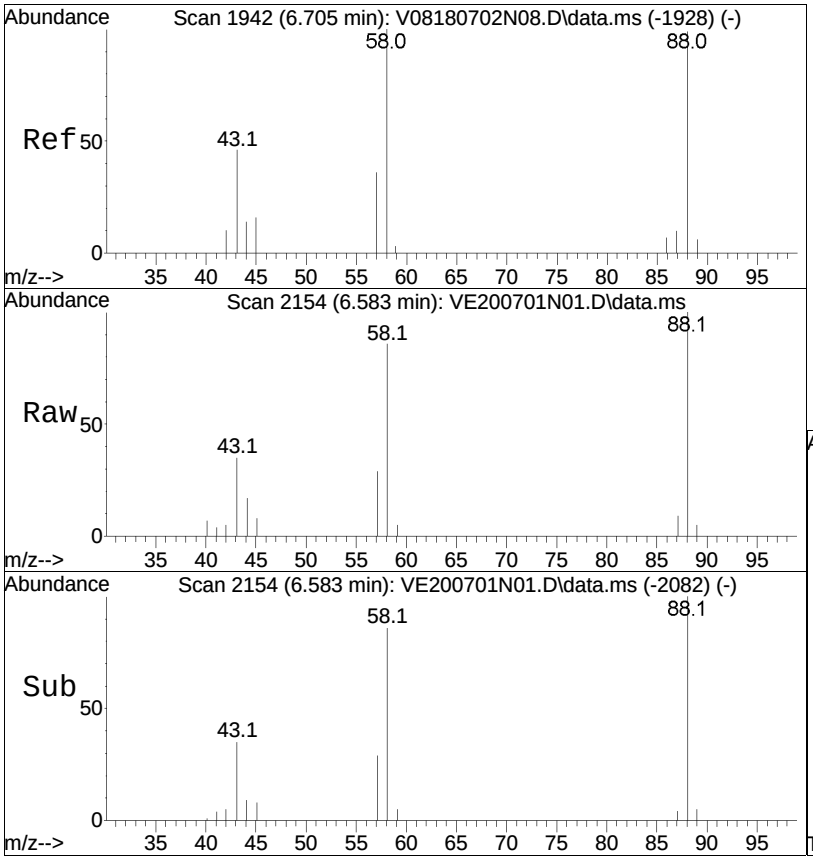


#54
Bromodichloromethane
Concen: 9.99 ug/L
RT: 6.355 min Scan# 2072
Delta R.T. -0.003 min
Lab File: VE200701N01.D
Acq: 1 Jul 2020 5:15 pm

Tgt Ion: 83 Resp: 32608

Ion	Ratio	Lower	Upper
83	100		
85	60.3	52.3	78.5
127	8.9	6.2	9.4

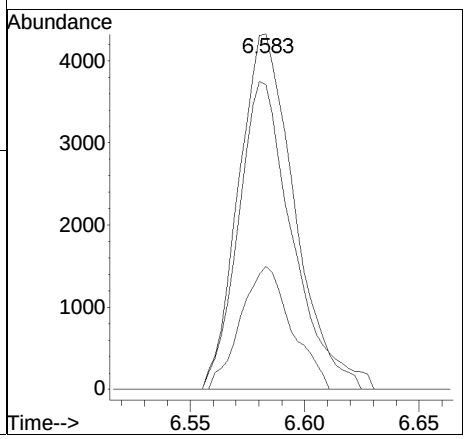


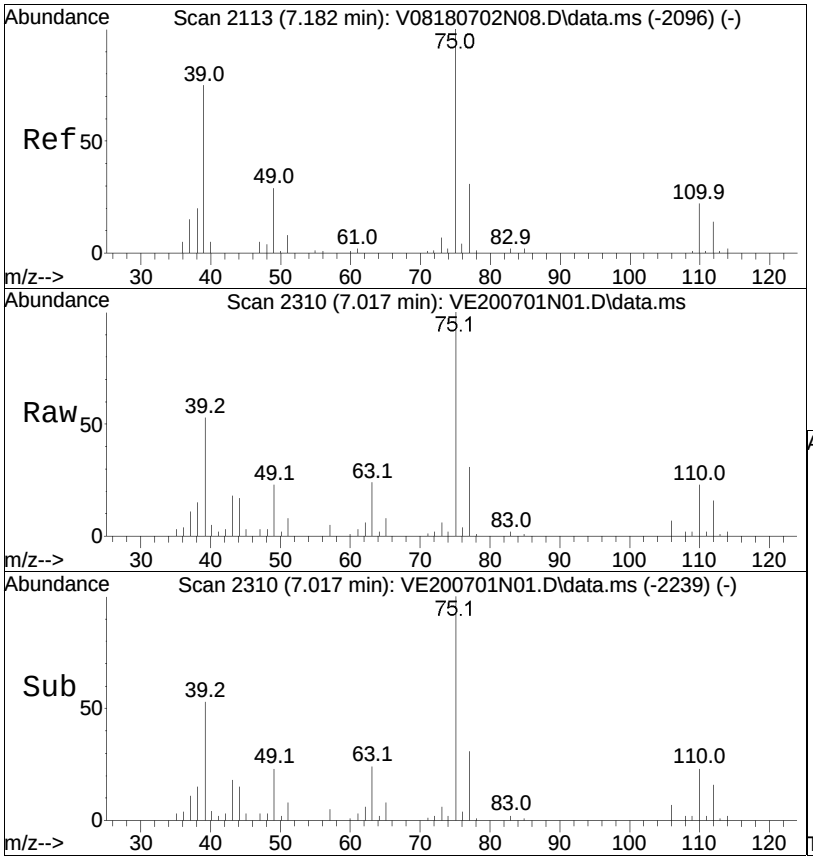


#57
1,4-Dioxane
Concen: 361.98 ug/L
RT: 6.583 min Scan# 2154
Delta R.T. 0.000 min
Lab File: VE200701N01.D
Acq: 1 Jul 2020 5:15 pm

Tgt Ion: 88 Resp: 7290

Ion	Ratio	Lower	Upper
88	100		
58	85.2	76.7	115.1
43	31.8	36.2	54.2#

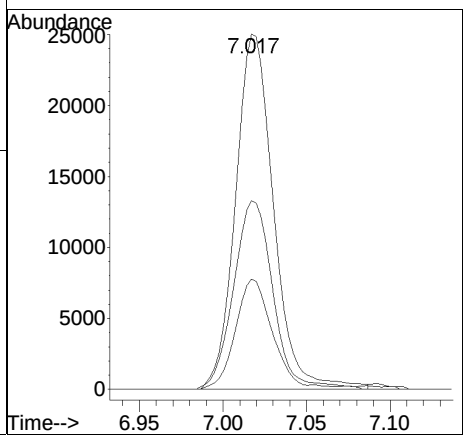


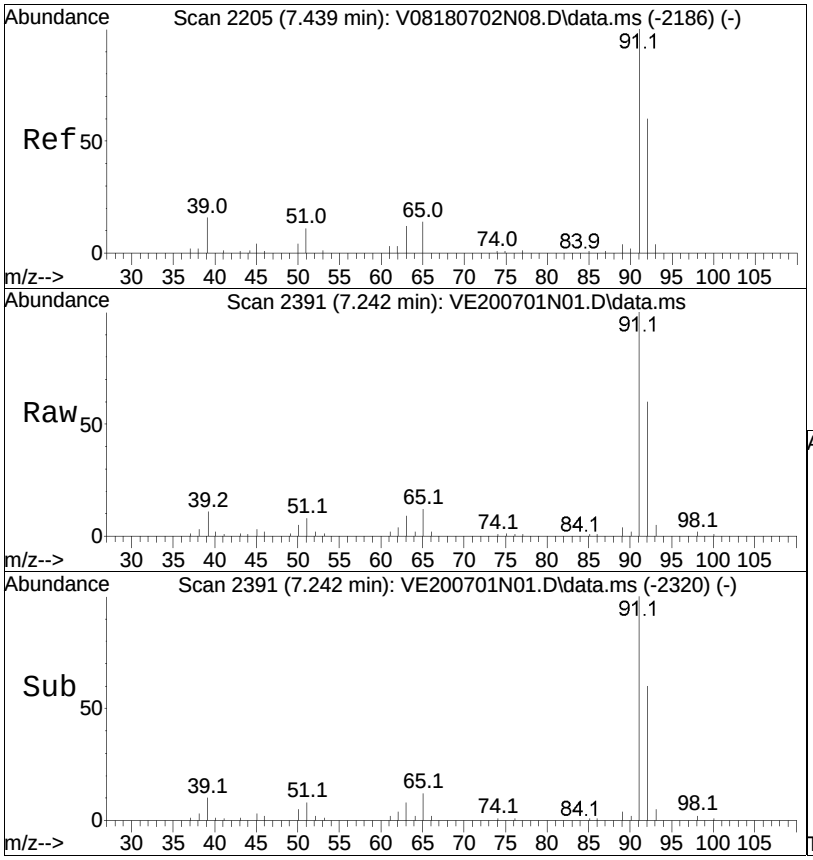


#58
cis-1,3-Dichloropropene
Concen: 9.81 ug/L
RT: 7.017 min Scan# 2310
Delta R.T. -0.003 min
Lab File: VE200701N01.D
Acq: 1 Jul 2020 5:15 pm

Tgt Ion: 75 Resp: 39809

Ion	Ratio	Lower	Upper
75	100		
77	30.3	25.0	37.4
39	54.9	50.1	75.1

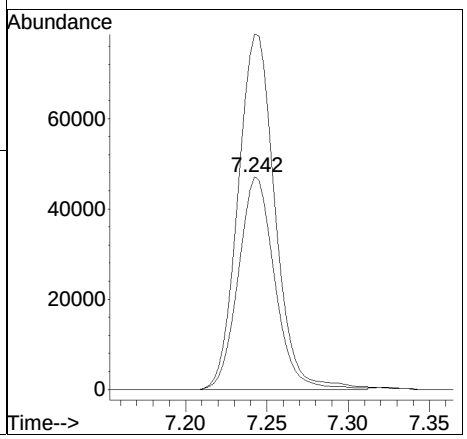


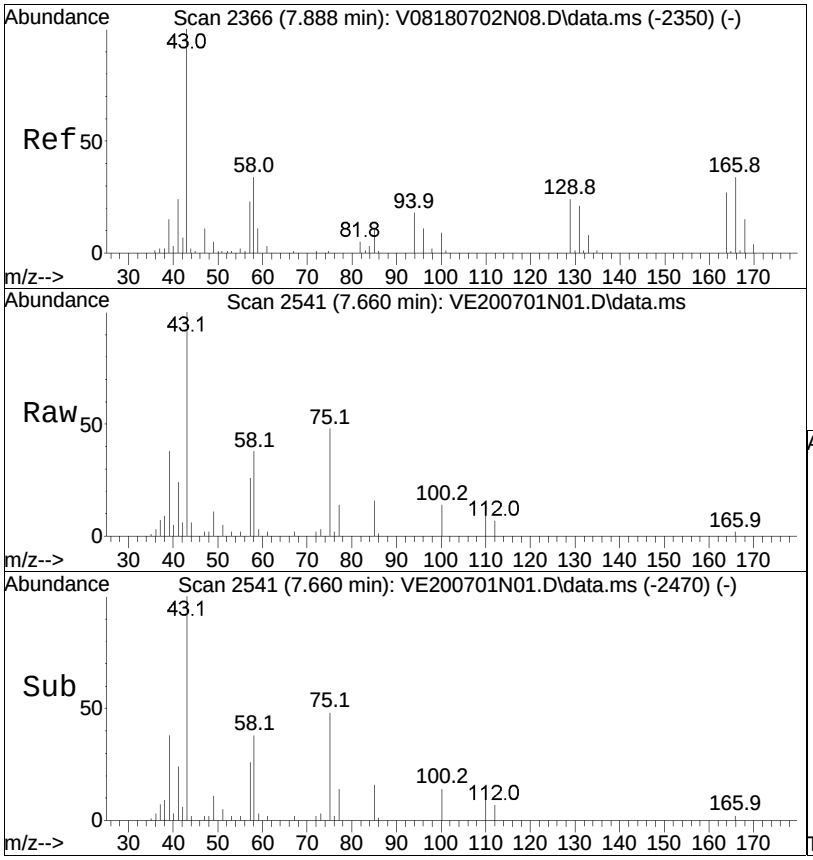


#61
Toluene
Concen: 9.74 ug/L
RT: 7.242 min Scan# 2391
Delta R.T. -0.003 min
Lab File: VE200701N01.D
Acq: 1 Jul 2020 5:15 pm

Tgt Ion: 92 Resp: 73161

Ion	Ratio	Lower	Upper
92	100		
91	170.0	139.8	209.6

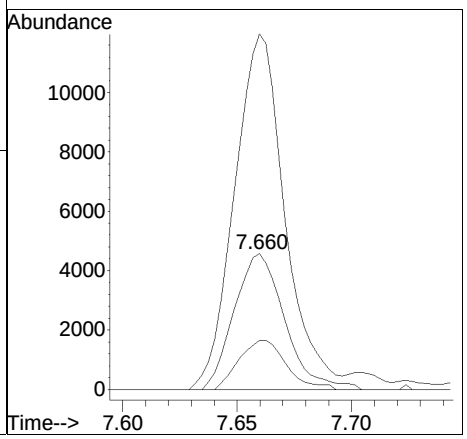


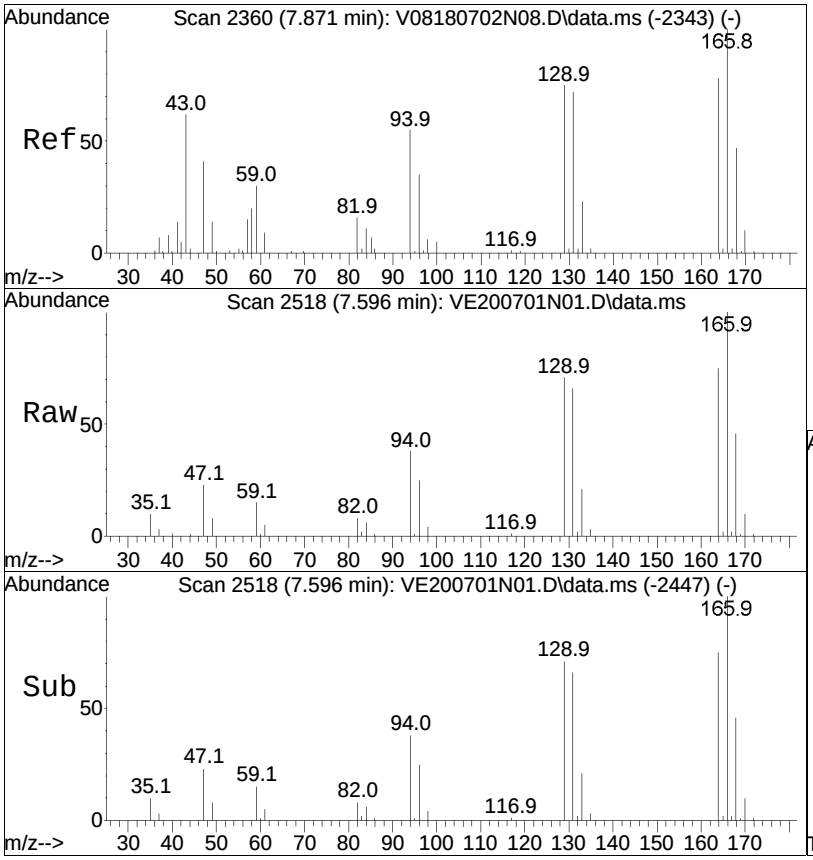


#62
4-Methyl-2-pentanone
Concen: 7.12 ug/L
RT: 7.660 min Scan# 2541
Delta R.T. -0.002 min
Lab File: VE200701N01.D
Acq: 1 Jul 2020 5:15 pm

Tgt Ion: 58 Resp: 7010

Ion	Ratio	Lower	Upper
58	100		
100	33.8	20.2	30.2#
43	260.9	196.6	295.0

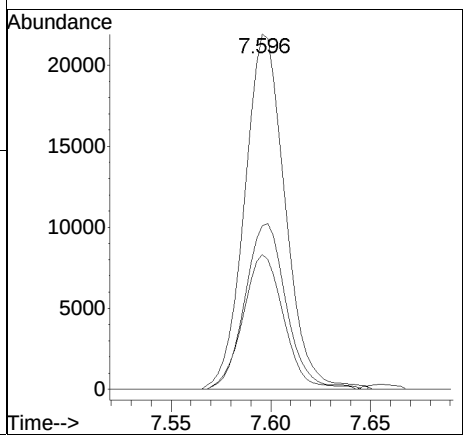


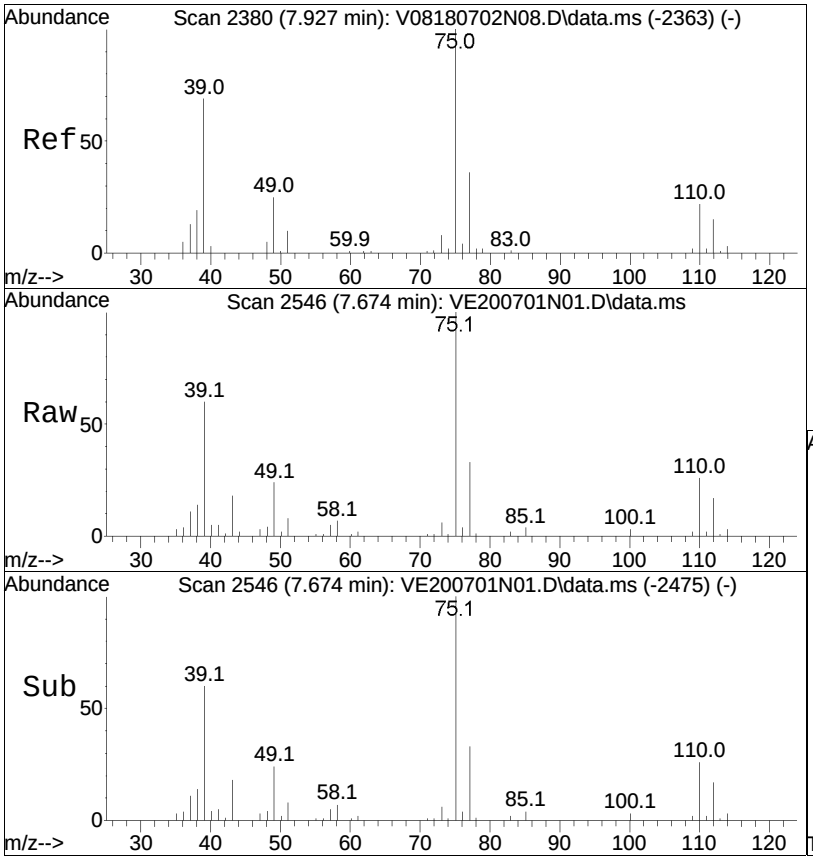


#63
Tetrachloroethene
Concen: 9.77 ug/L
RT: 7.596 min Scan# 2518
Delta R.T. -0.002 min
Lab File: VE200701N01.D
Acq: 1 Jul 2020 5:15 pm

Tgt Ion:166 Resp: 31090

Ion	Ratio	Lower	Upper
166	100		
168	47.5	28.2	68.2
94	38.1	38.4	78.4#

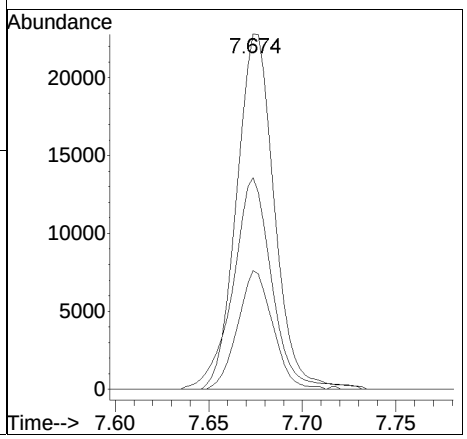


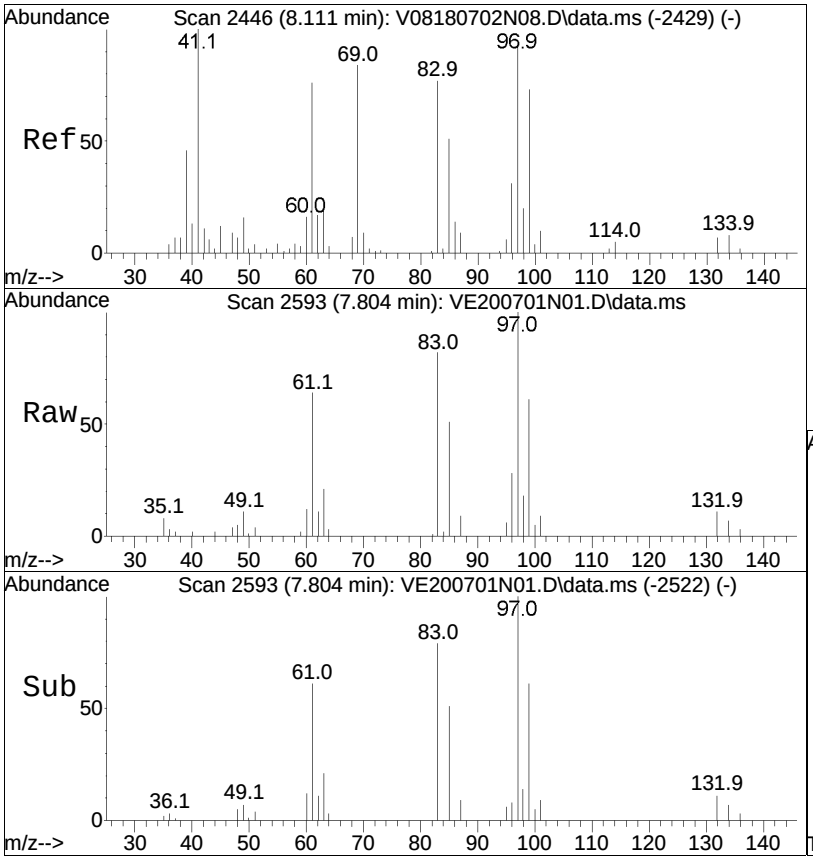


#65
trans-1,3-Dichloropropene
Concen: 7.89 ug/L
RT: 7.674 min Scan# 2546
Delta R.T. -0.002 min
Lab File: VE200701N01.D
Acq: 1 Jul 2020 5:15 pm

Tgt Ion: 75 Resp: 31994

Ion	Ratio	Lower	Upper
75	100		
77	31.1	12.4	52.4
39	62.0	42.8	82.8

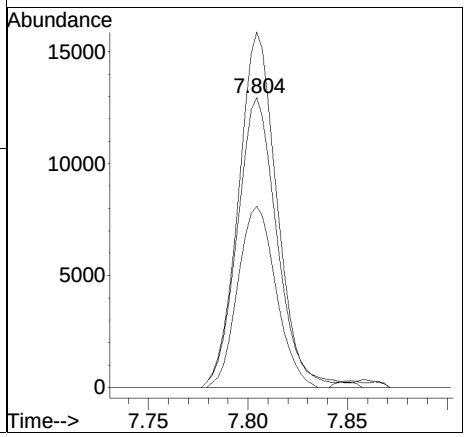


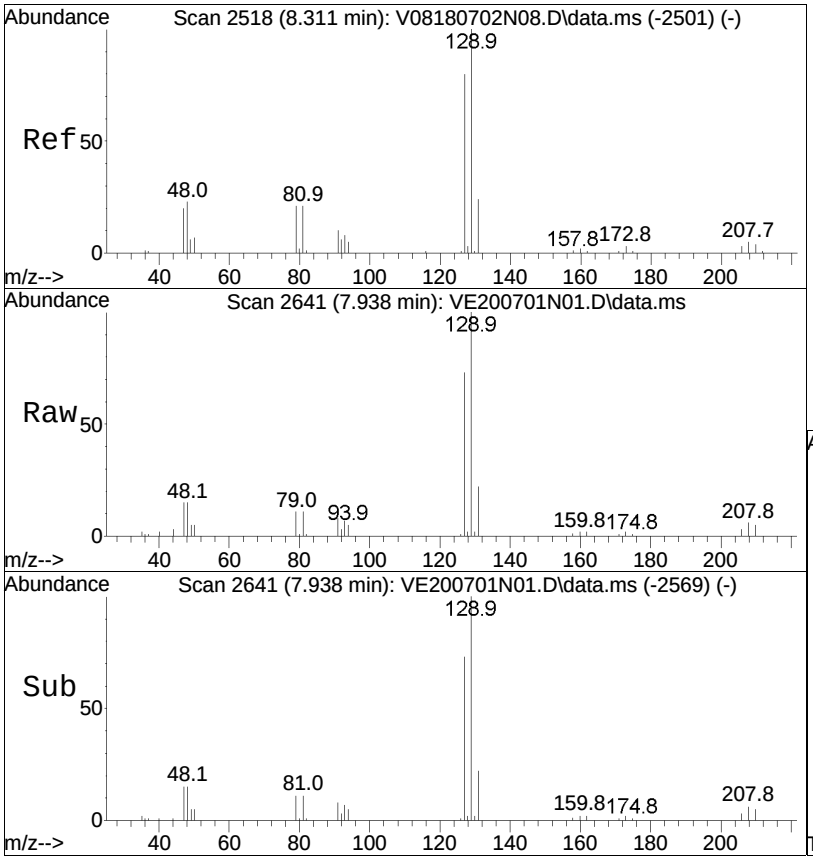


#68
1,1,2-Trichloroethane
Concen: 9.35 ug/L
RT: 7.804 min Scan# 2593
Delta R.T. -0.003 min
Lab File: VE200701N01.D
Acq: 1 Jul 2020 5:15 pm

Tgt Ion: 83 Resp: 18000

Ion	Ratio	Lower	Upper
83	100		
97	119.1	89.8	129.8
85	60.0	44.4	84.4

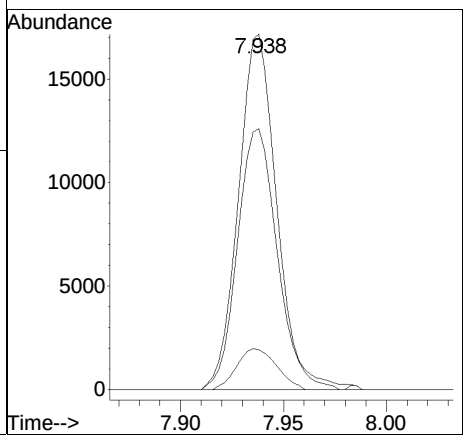


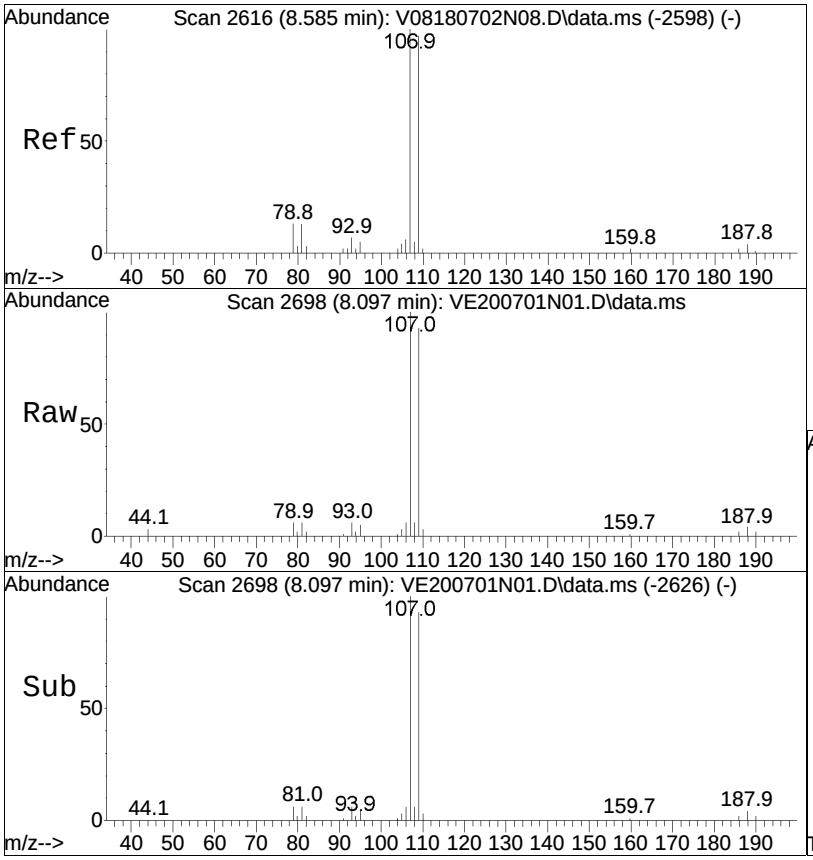


#69
Chlorodibromomethane
Concen: 8.15 ug/L
RT: 7.938 min Scan# 2641
Delta R.T. -0.000 min
Lab File: VE200701N01.D
Acq: 1 Jul 2020 5:15 pm

Tgt Ion:129 Resp: 22285

Ion	Ratio	Lower	Upper
129	100		
81	11.8	2.9	42.9
127	75.9	57.8	97.8

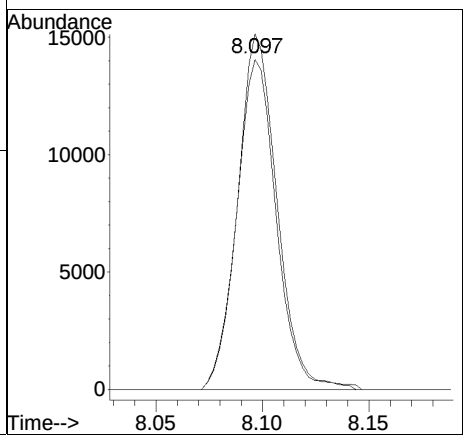


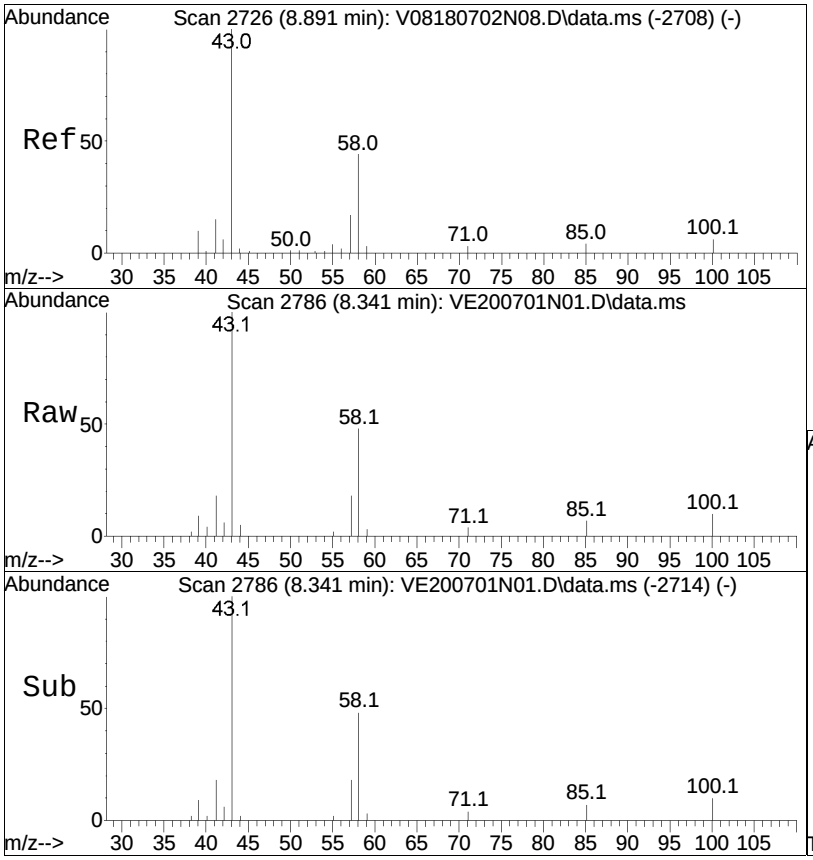


#71
1,2-Dibromoethane
Concen: 8.39 ug/L
RT: 8.097 min Scan# 2698
Delta R.T. 0.001 min
Lab File: VE200701N01.D
Acq: 1 Jul 2020 5:15 pm

Tgt Ion:107 Resp: 19534

Ion	Ratio	Lower	Upper
107	100		
109	92.8	74.3	111.5

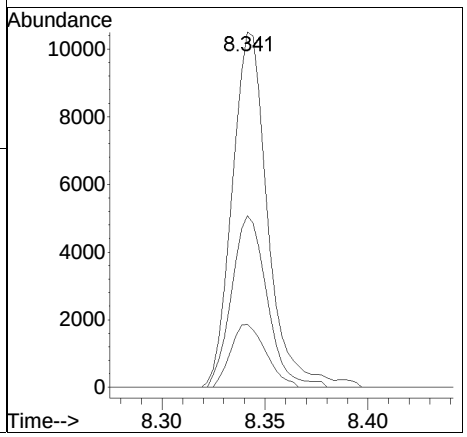


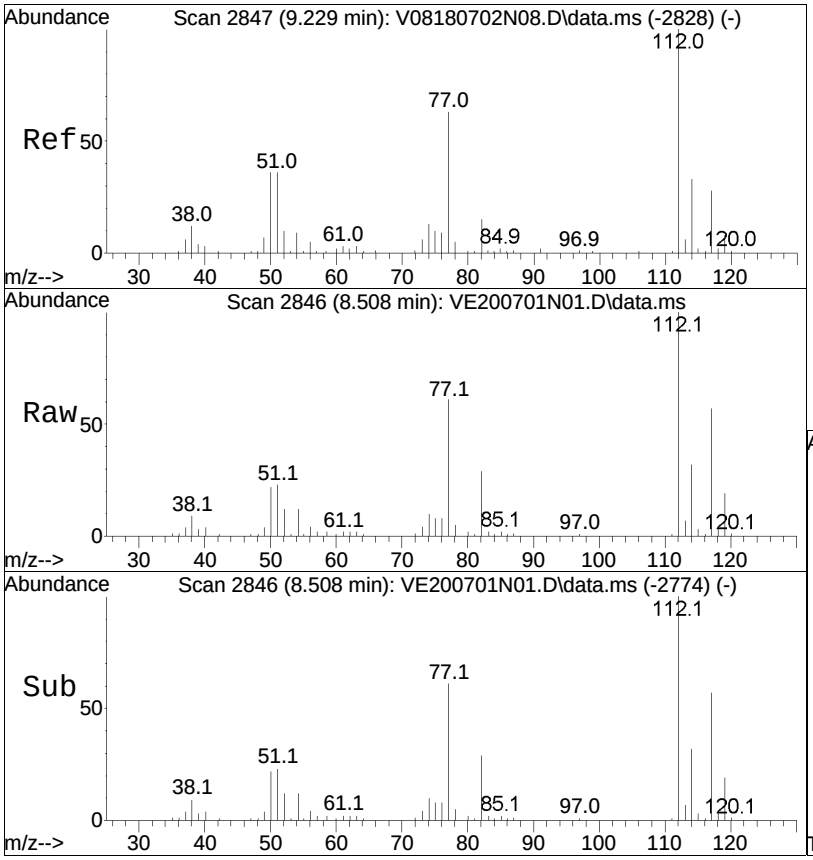


#72
2-Hexanone
Concen: 6.69 ug/L
RT: 8.341 min Scan# 2786
Delta R.T. 0.000 min
Lab File: VE200701N01.D
Acq: 1 Jul 2020 5:15 pm

Tgt Ion: 43 Resp: 12699

Ion	Ratio	Lower	Upper
43	100		
58	48.2	41.2	61.8
57	17.6	17.2	25.8

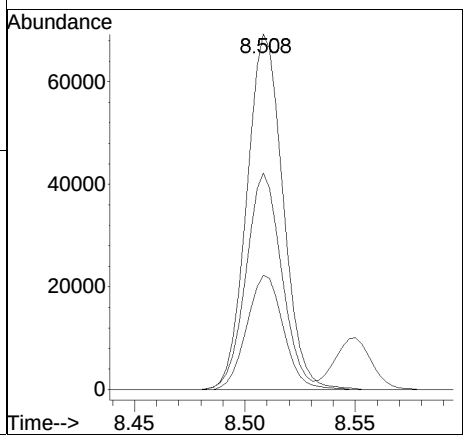


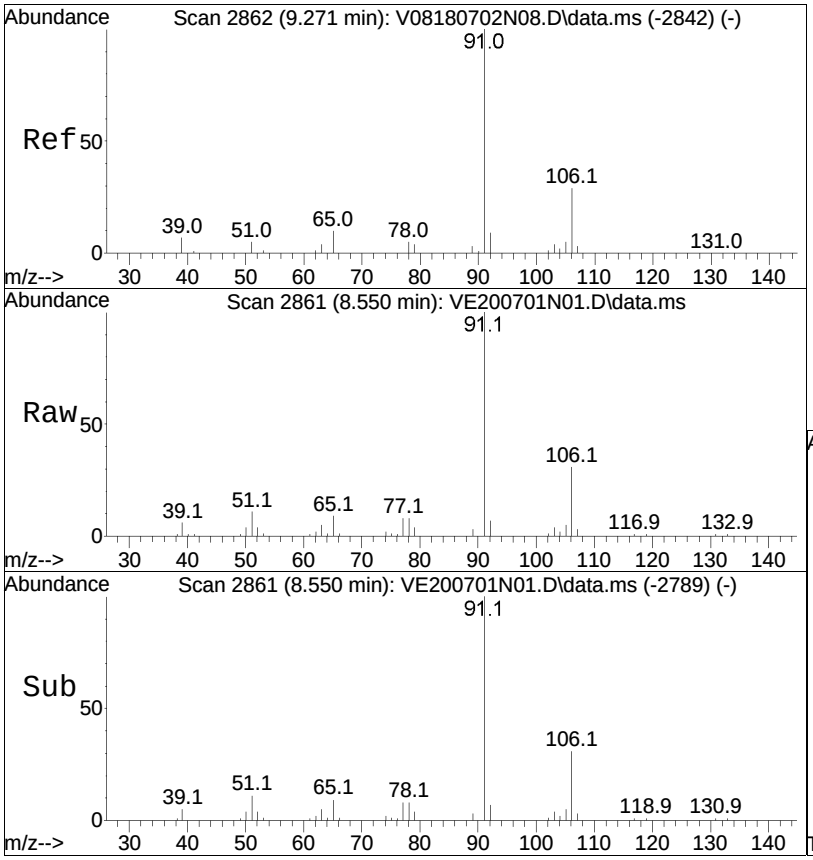


#73
Chlorobenzene
Concen: 9.96 ug/L
RT: 8.508 min Scan# 2846
Delta R.T. 0.000 min
Lab File: VE200701N01.D
Acq: 1 Jul 2020 5:15 pm

Tgt Ion:112 Resp: 78902

Ion	Ratio	Lower	Upper
112	100		
77	60.0	55.4	83.0
114	32.5	25.4	38.2

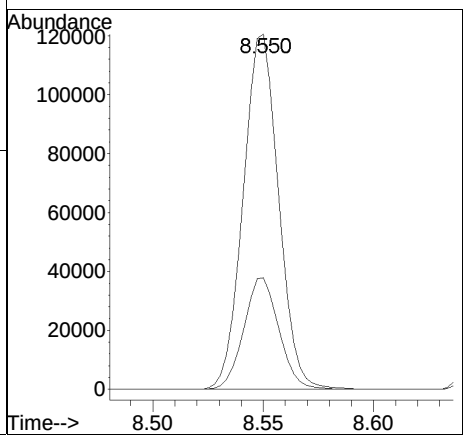


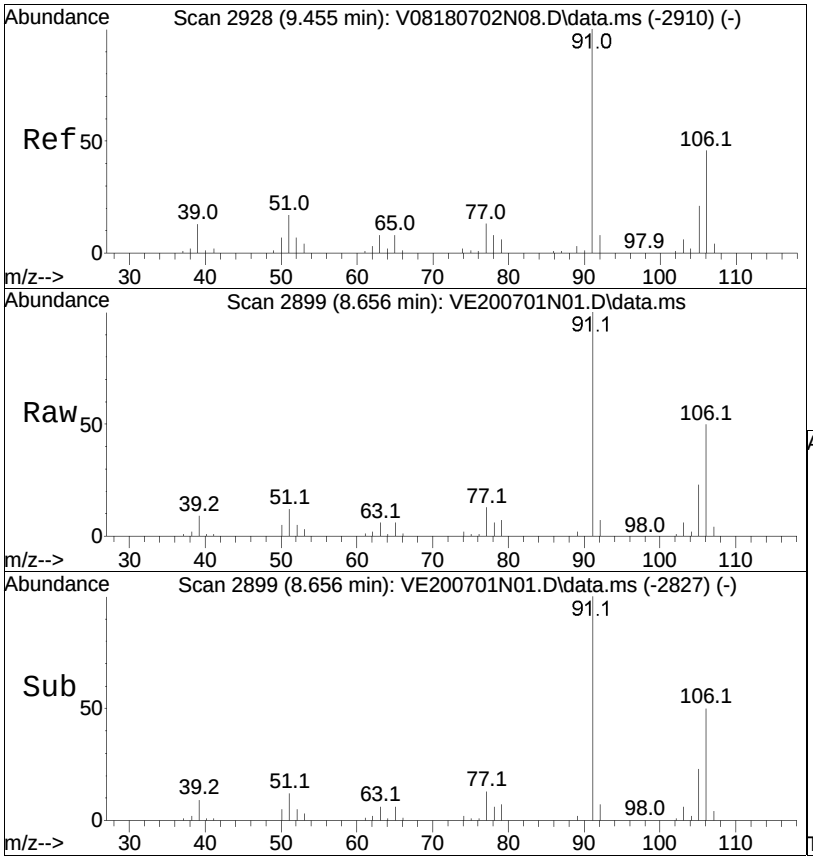


#74
Ethylbenzene
Concen: 9.68 ug/L
RT: 8.550 min Scan# 2861
Delta R.T. 0.000 min
Lab File: VE200701N01.D
Acq: 1 Jul 2020 5:15 pm

Tgt Ion: 91 Resp: 134425

Ion	Ratio	Lower	Upper
91	100		
106	31.2	24.3	36.5

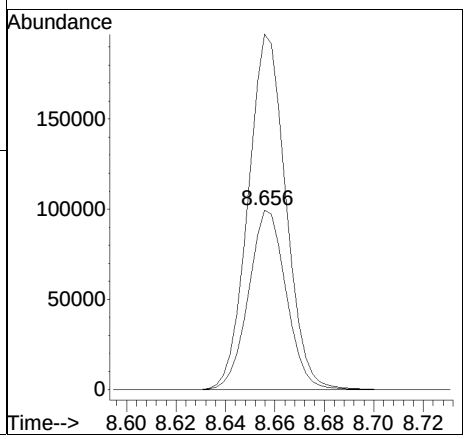


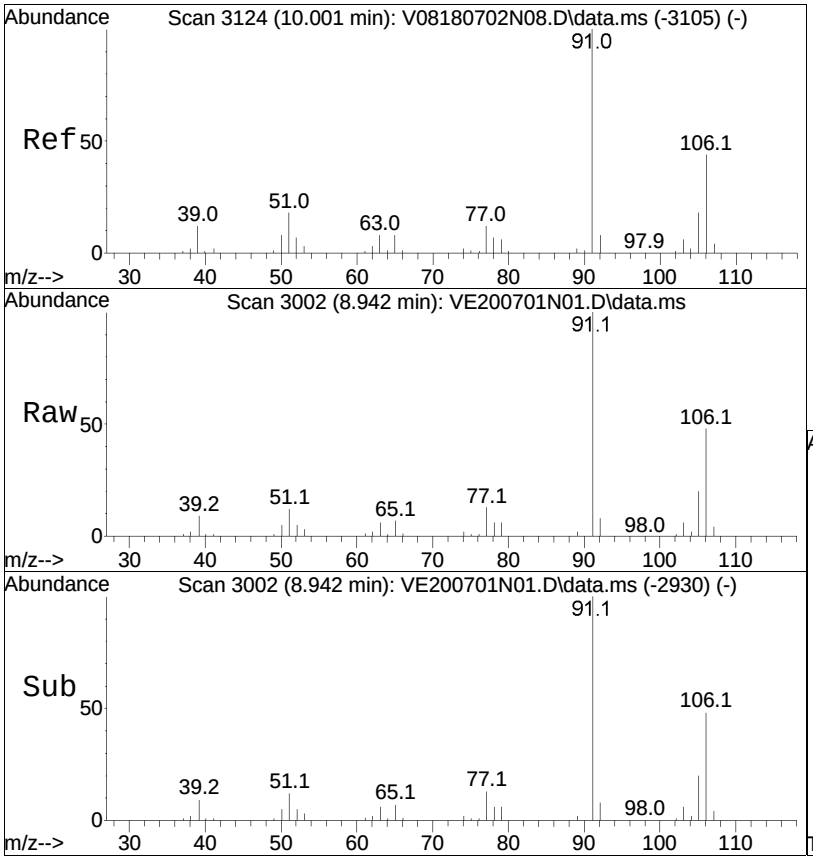


#76
p/m Xylene
Concen: 19.52 ug/L
RT: 8.656 min Scan# 2899
Delta R.T. -0.000 min
Lab File: VE200701N01.D
Acq: 1 Jul 2020 5:15 pm

Tgt Ion:106 Resp: 104780

Ion	Ratio	Lower	Upper
106	100		
91	198.6	166.4	249.6

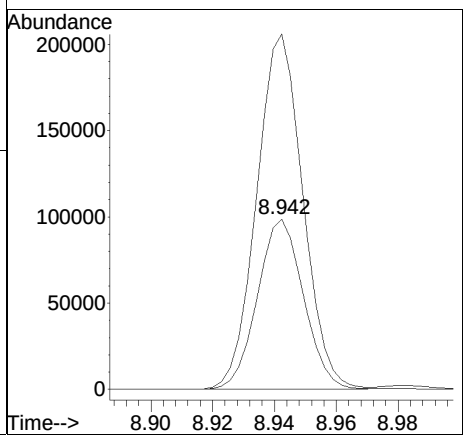


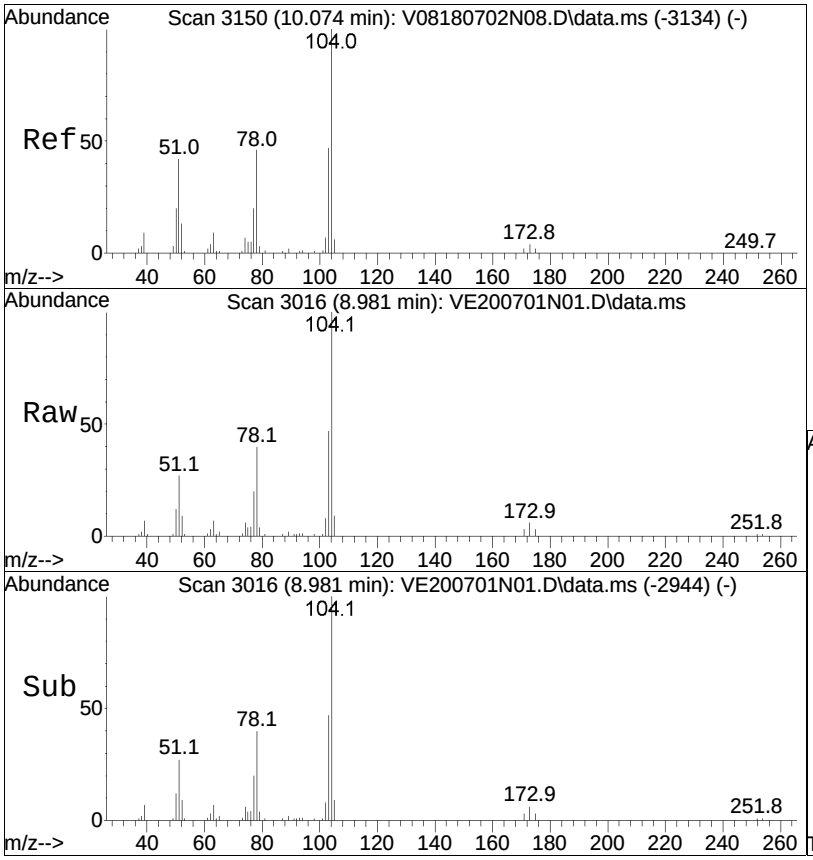


#77
o Xylene
Concen: 19.88 ug/L
RT: 8.942 min Scan# 3002
Delta R.T. 0.000 min
Lab File: VE200701N01.D
Acq: 1 Jul 2020 5:15 pm

Tgt Ion:106 Resp: 102006

Ion	Ratio	Lower	Upper
106	100		
91	209.5	182.6	273.8

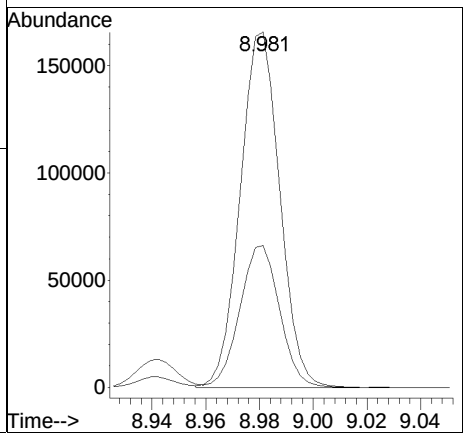


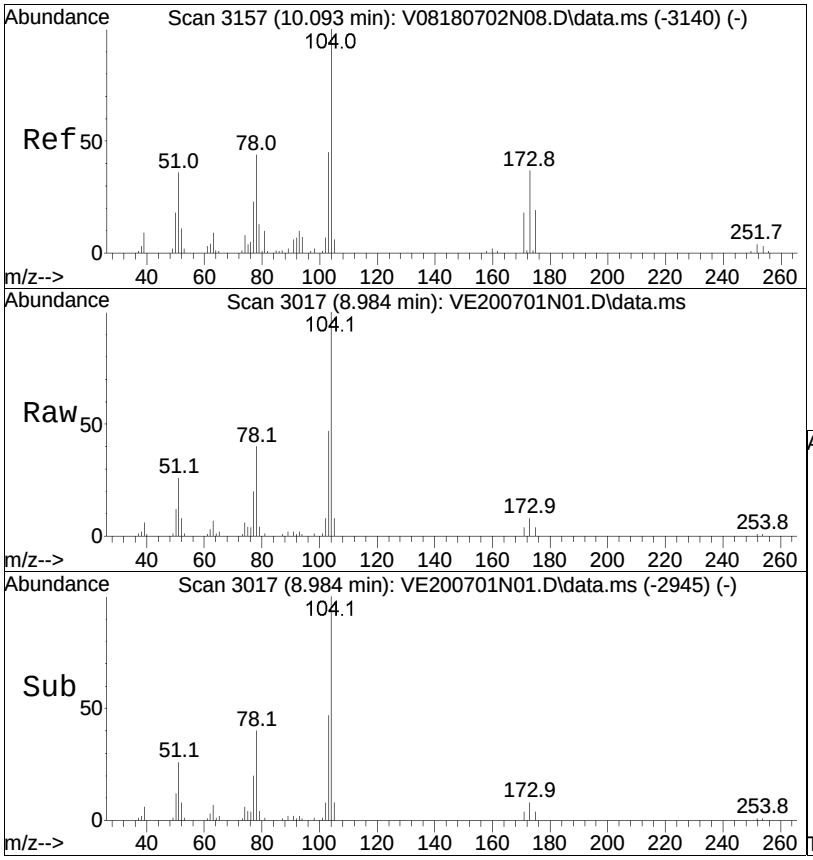


#78
Styrene
Concen: 19.80 ug/L
RT: 8.981 min Scan# 3016
Delta R.T. 0.000 min
Lab File: VE200701N01.D
Acq: 1 Jul 2020 5:15 pm

Tgt Ion:104 Resp: 169350

Ion	Ratio	Lower	Upper
104	100		
78	40.1	39.8	59.6

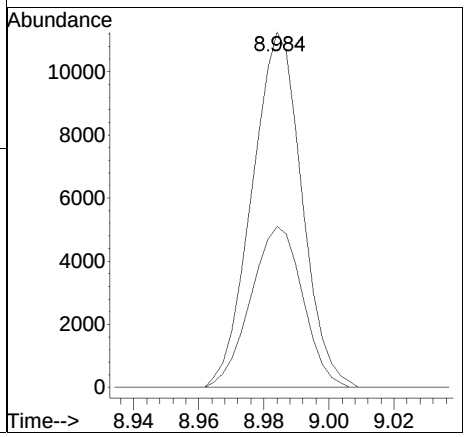


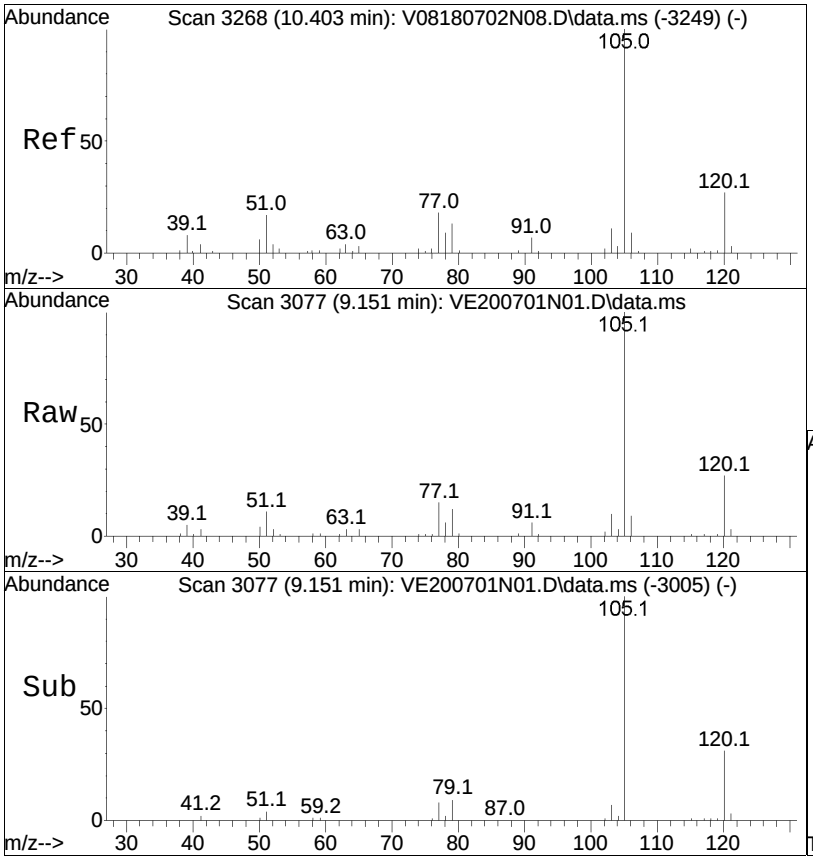


#80
Bromoform
Concen: 7.12 ug/L
RT: 8.984 min Scan# 3017
Delta R.T. 0.000 min
Lab File: VE200701N01.D
Acq: 1 Jul 2020 5:15 pm

Tgt Ion:173 Resp: 12011

Ion	Ratio	Lower	Upper
173	100		
175	47.1	31.5	71.5

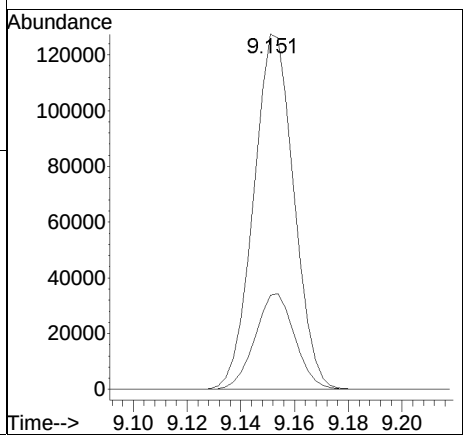


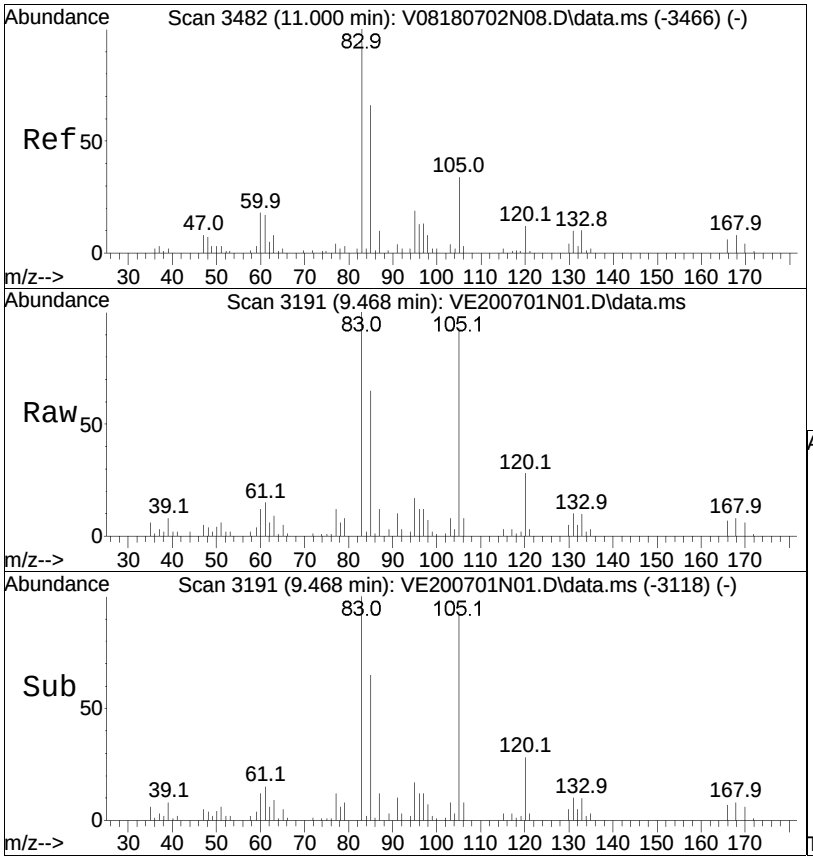


#82
Isopropylbenzene
Concen: 9.58 ug/L
RT: 9.151 min Scan# 3077
Delta R.T. 0.000 min
Lab File: VE200701N01.D
Acq: 1 Jul 2020 5:15 pm

Tgt Ion:105 Resp: 132553

Ion	Ratio	Lower	Upper
105	100		
120	26.6	4.8	44.8

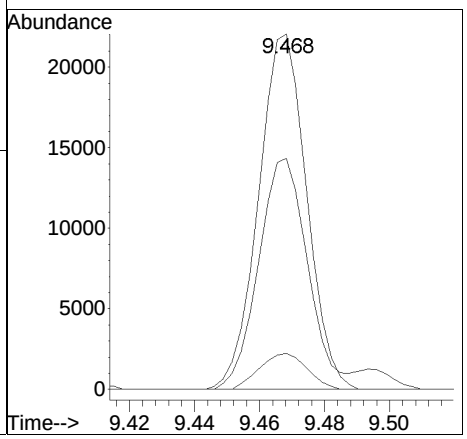


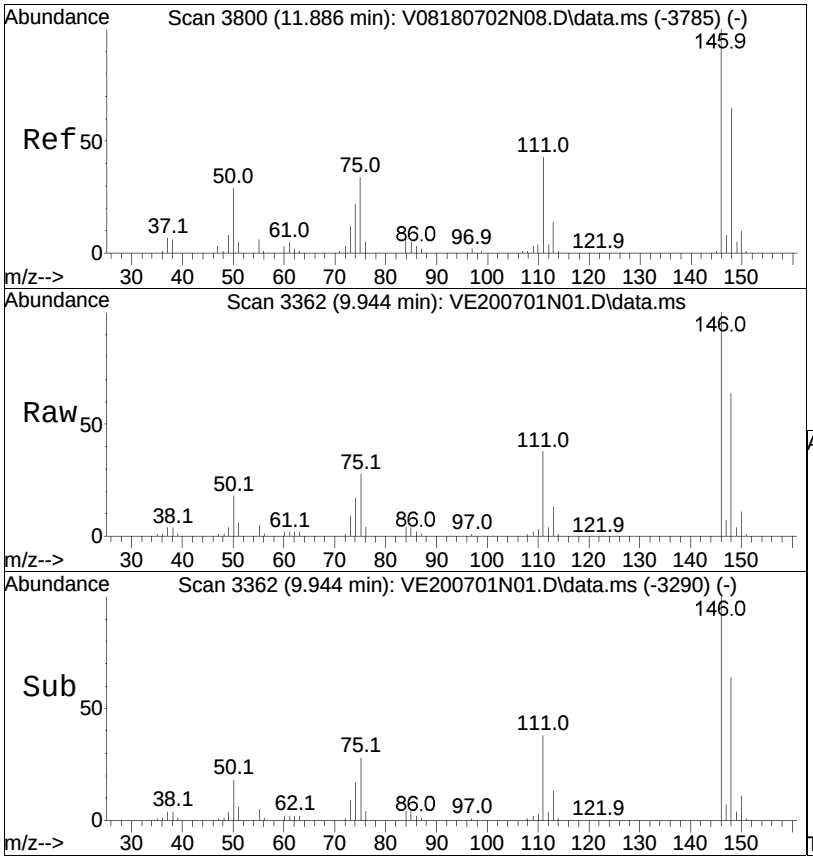


#87
1,1,2,2-Tetrachloroethane
Concen: 8.07 ug/L
RT: 9.468 min Scan# 3191
Delta R.T. 0.003 min
Lab File: VE200701N01.D
Acq: 1 Jul 2020 5:15 pm

Tgt Ion: 83 Resp: 22664

Ion	Ratio	Lower	Upper
83	100		
131	10.0	0.0	30.4
85	66.5	45.4	85.4

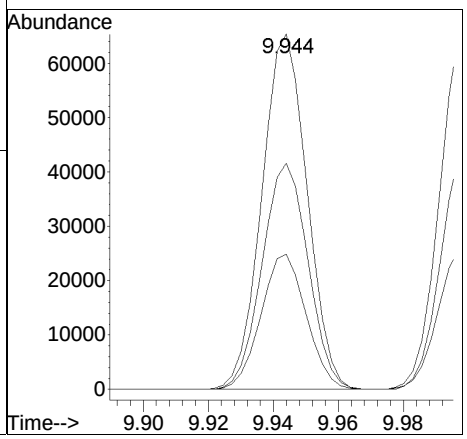


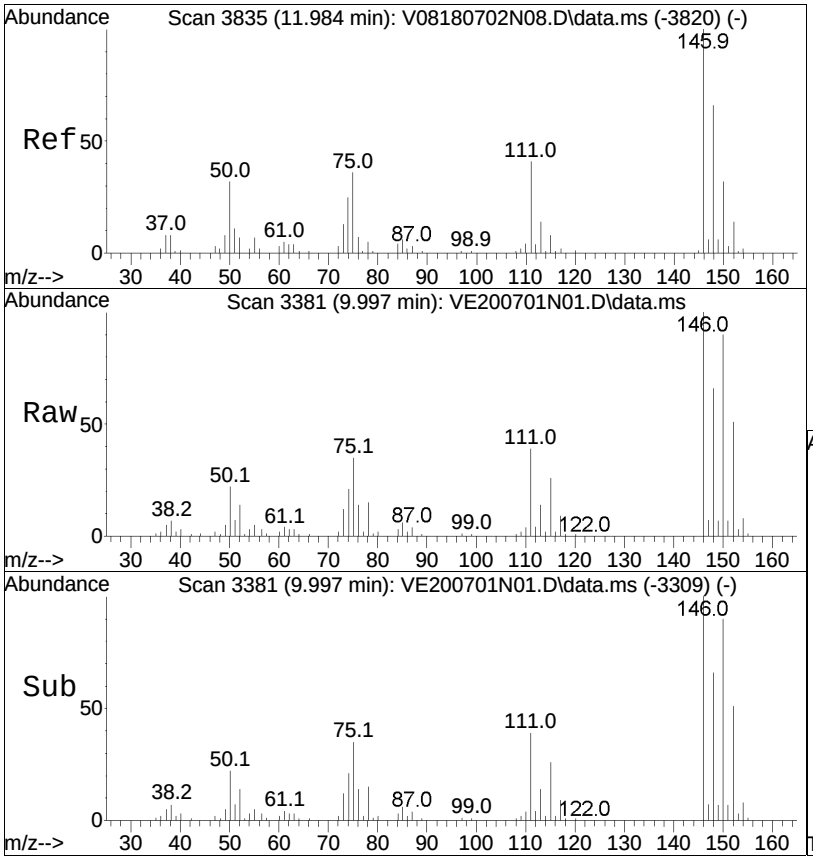


#100
1,3-Dichlorobenzene
Concen: 10.09 ug/L
RT: 9.944 min Scan# 3362
Delta R.T. -0.000 min
Lab File: VE200701N01.D
Acq: 1 Jul 2020 5:15 pm

Tgt Ion:146 Resp: 63182

Ion	Ratio	Lower	Upper
146	100		
111	38.1	27.5	57.1
148	64.6	41.9	86.9

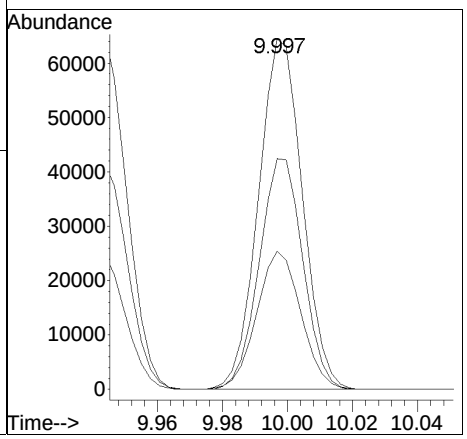


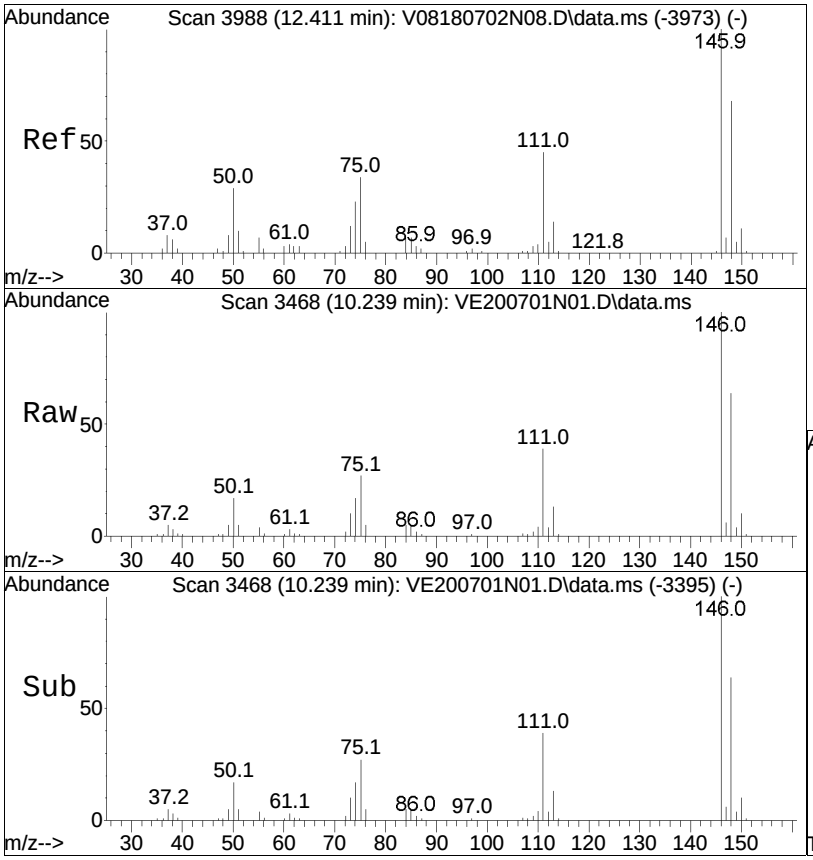


#101
1,4-Dichlorobenzene
Concen: 9.57 ug/L
RT: 9.997 min Scan# 3381
Delta R.T. -0.000 min
Lab File: VE200701N01.D
Acq: 1 Jul 2020 5:15 pm

Tgt Ion:146 Resp: 60617

Ion	Ratio	Lower	Upper
146	100		
111	39.6	32.3	48.5
148	65.3	49.9	74.9

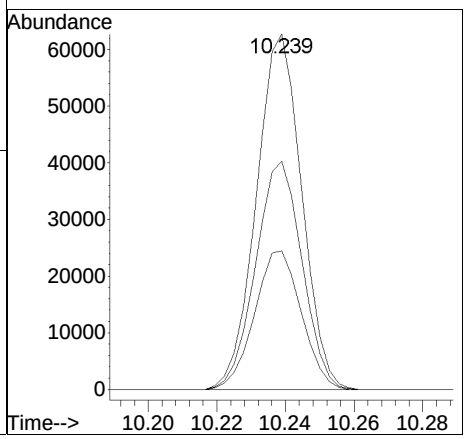


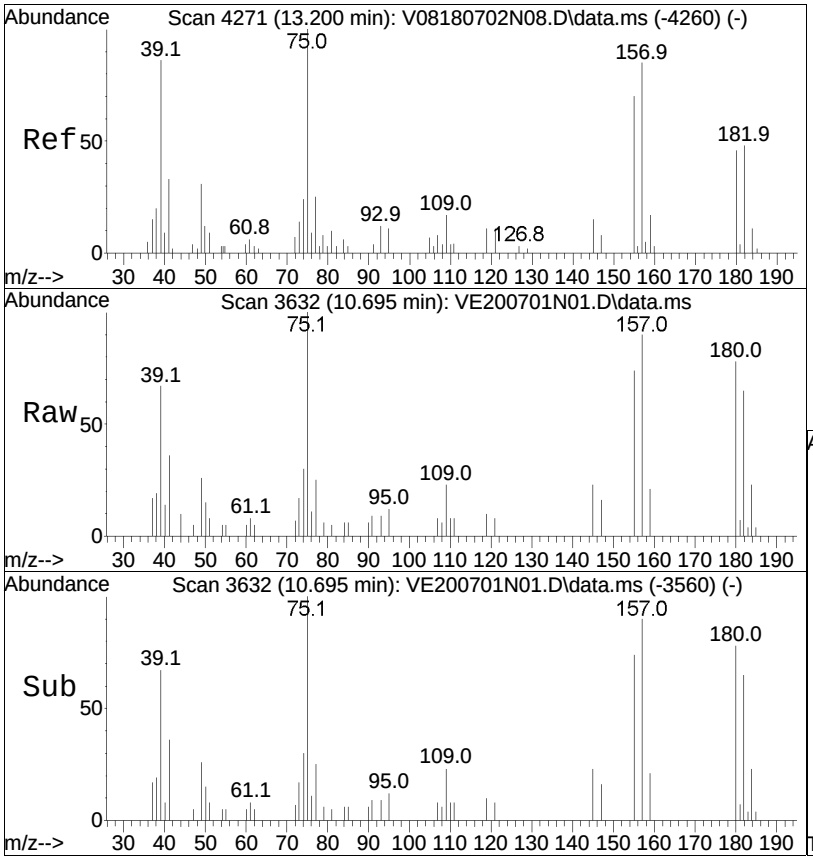


#104
1,2-Dichlorobenzene
Concen: 9.54 ug/L
RT: 10.239 min Scan# 3468
Delta R.T. 0.003 min
Lab File: VE200701N01.D
Acq: 1 Jul 2020 5:15 pm

Tgt Ion:146 Resp: 57557

Ion	Ratio	Lower	Upper
146	100		
111	40.2	28.3	58.7
148	65.6	42.3	87.8

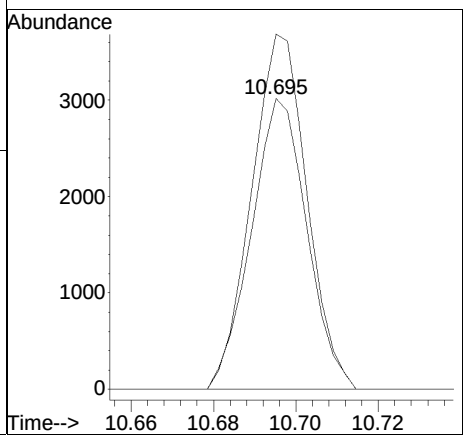


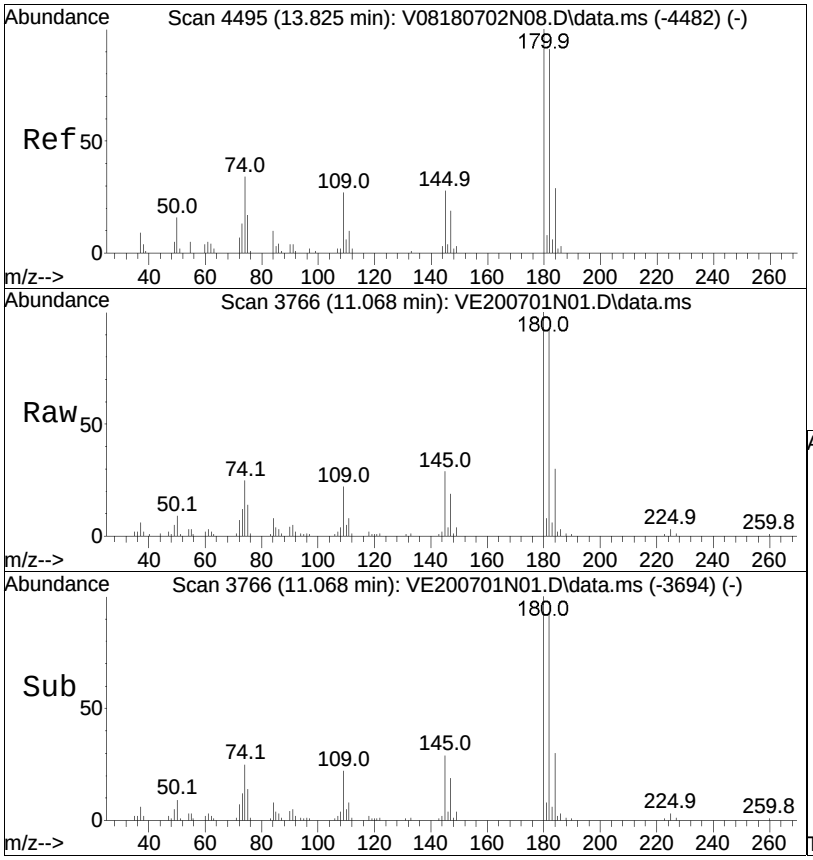


#106
1,2-Dibromo-3-chloropropane
Concen: 6.22 ug/L
RT: 10.695 min Scan# 3632
Delta R.T. 0.000 min
Lab File: VE200701N01.D
Acq: 1 Jul 2020 5:15 pm

Tgt Ion:155 Resp: 2829

Ion	Ratio	Lower	Upper
155	100		
157	121.5	94.8	142.2

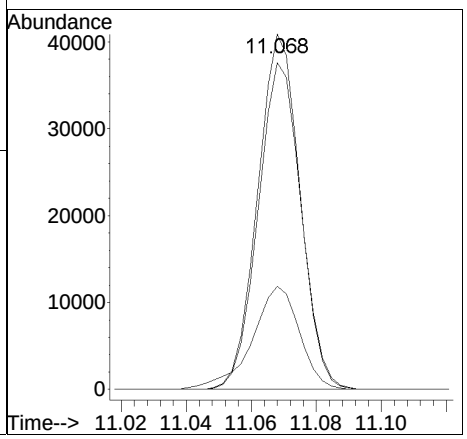


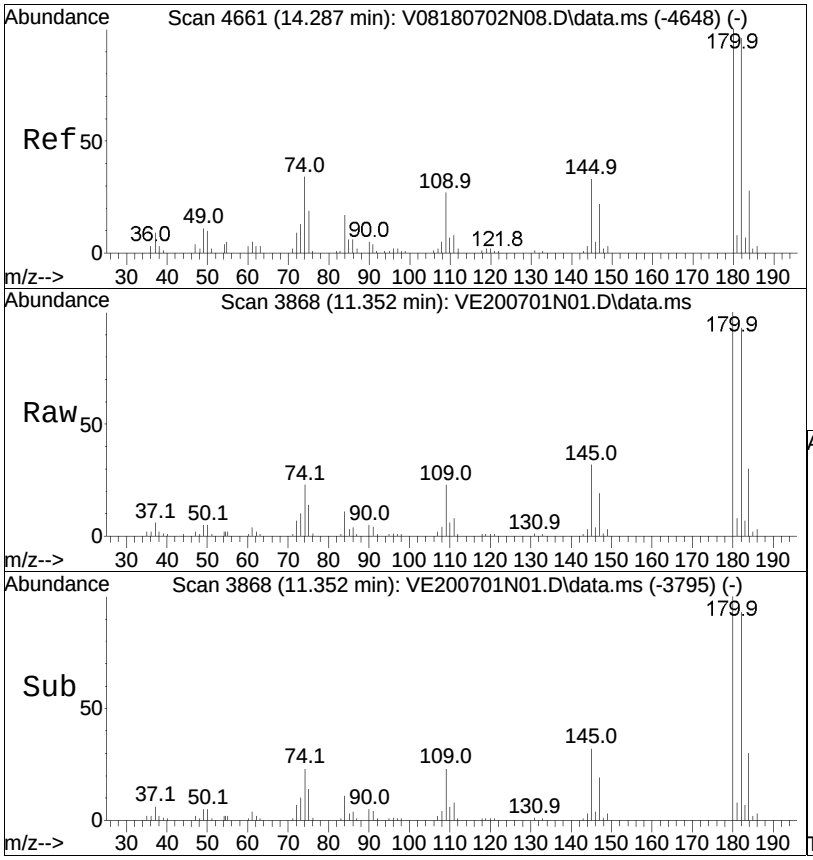


#109
1,2,4-Trichlorobenzene
Concen: 9.01 ug/L
RT: 11.068 min Scan# 3766
Delta R.T. -0.000 min
Lab File: VE200701N01.D
Acq: 1 Jul 2020 5:15 pm

Tgt Ion:180 Resp: 36906

Ion	Ratio	Lower	Upper
180	100		
182	93.5	77.3	115.9
145	32.5	28.1	42.1

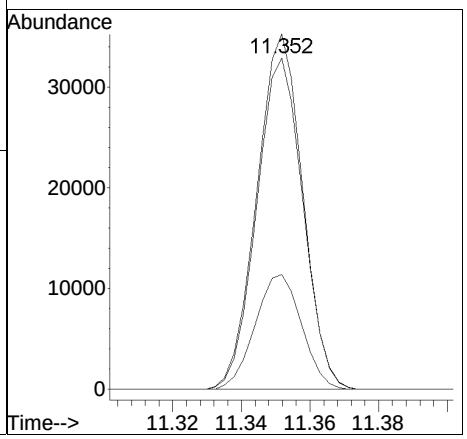




#111
1,2,3-Trichlorobenzene
Concen: 8.78 ug/L
RT: 11.352 min Scan# 3868
Delta R.T. 0.003 min
Lab File: VE200701N01.D
Acq: 1 Jul 2020 5:15 pm

Tgt Ion:180 Resp: 32717

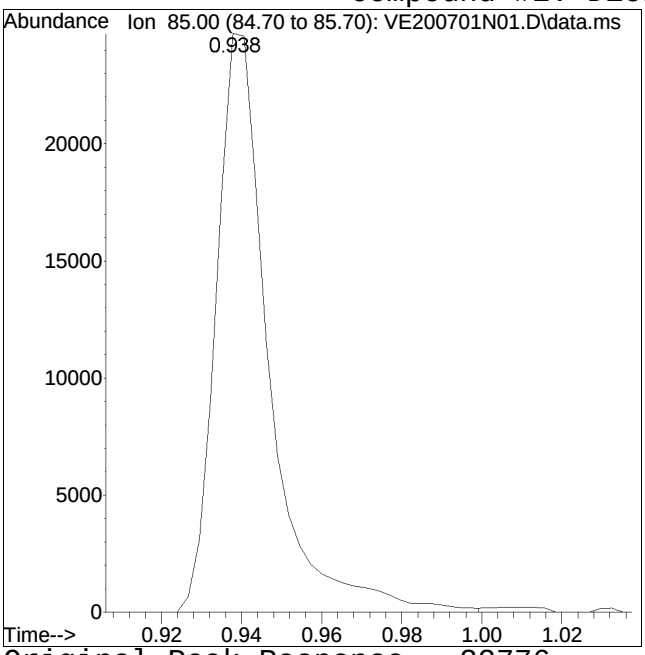
Ion	Ratio	Lower	Upper
180	100		
182	93.9	76.4	114.6
145	32.8	26.4	39.6



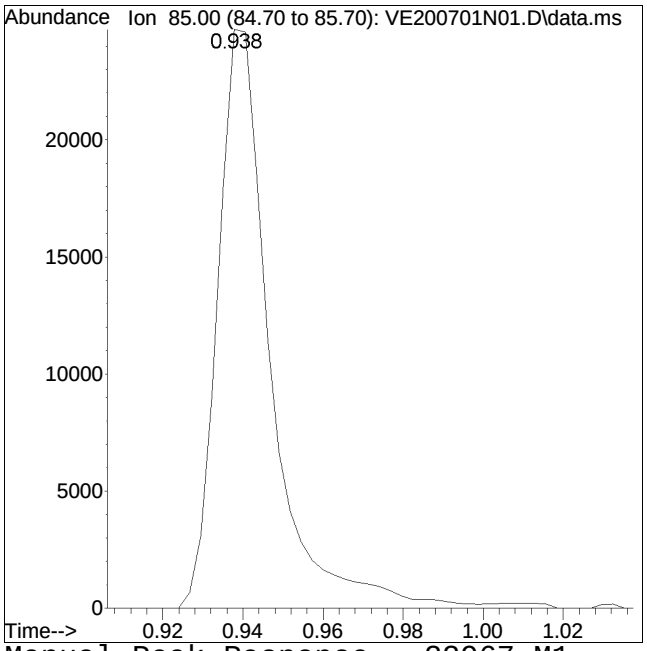
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200602N_8260.m
Data File : VE200701N01.D Operator : ELAINE:TMS
Date Inj'd : 7/1/2020 5:15 pm Instrument : Elaine
Sample : WG1388497-3,31,10,10 Quant Date : 7/1/2020 5:56 pm

Compound #2: Dichlorodifluoromethane



Original Peak Response = 22776



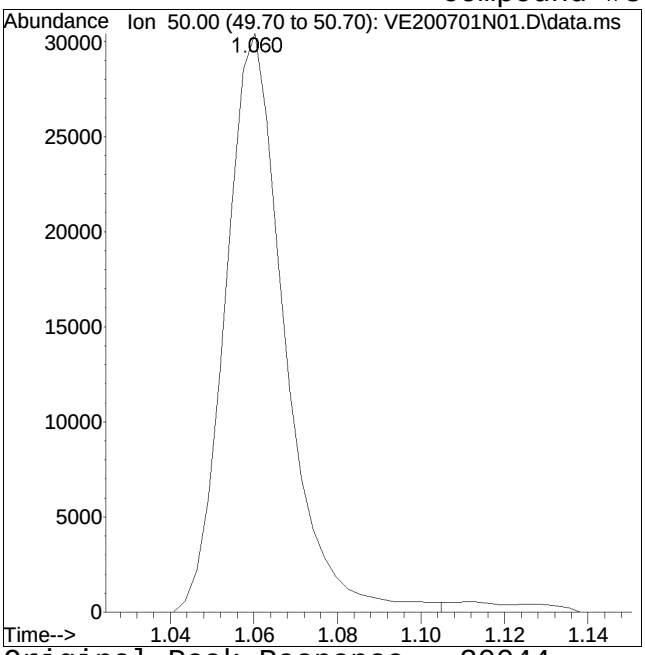
Manual Peak Response = 22967 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

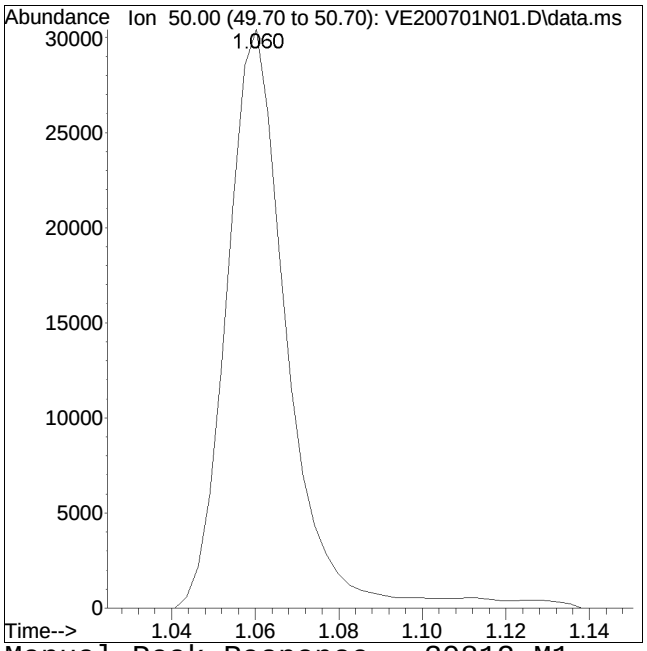
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200602N_8260.m
Data File : VE200701N01.D Operator : ELAINE:TMS
Date Inj'd : 7/1/2020 5:15 pm Instrument : Elaine
Sample : WG1388497-3,31,10,10 Quant Date : 7/1/2020 5:56 pm

Compound #3: Chloromethane



Original Peak Response = 30044



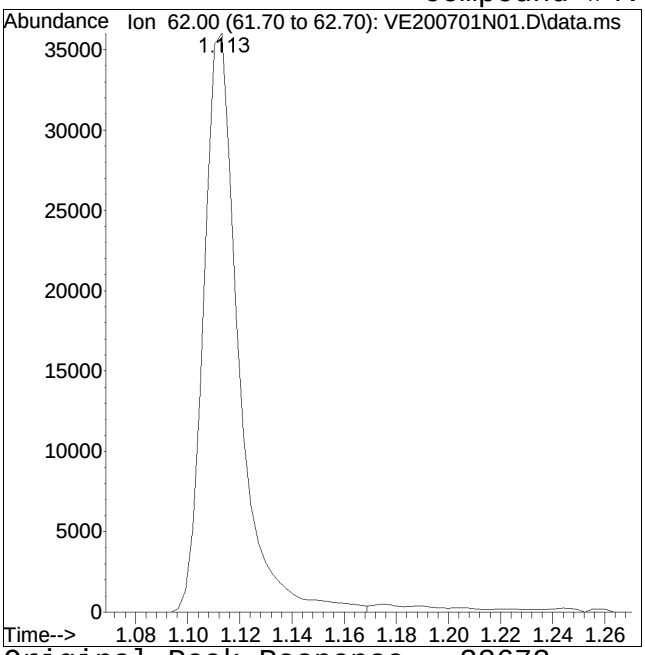
Manual Peak Response = 30812 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

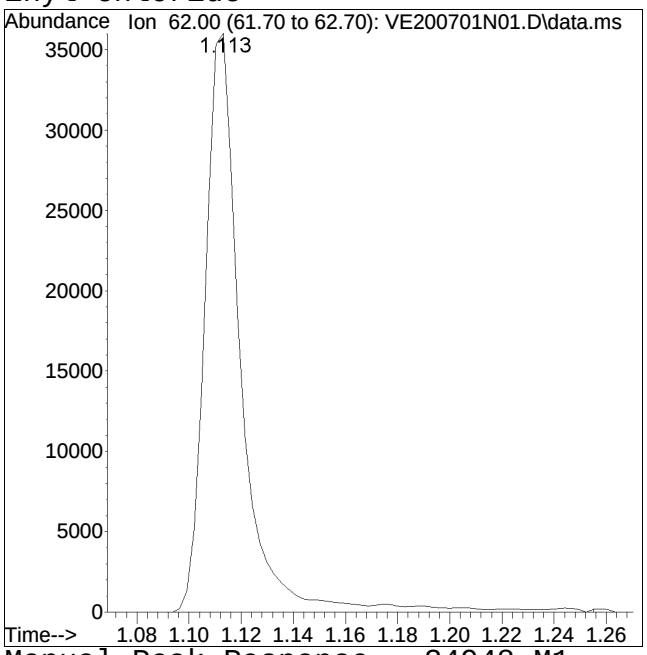
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200602N_8260.m
Data File : VE200701N01.D Operator : ELAINE:TMS
Date Inj'd : 7/1/2020 5:15 pm Instrument : Elaine
Sample : WG1388497-3,31,10,10 Quant Date : 7/1/2020 5:56 pm

Compound #4: Vinyl chloride



Original Peak Response = 33672



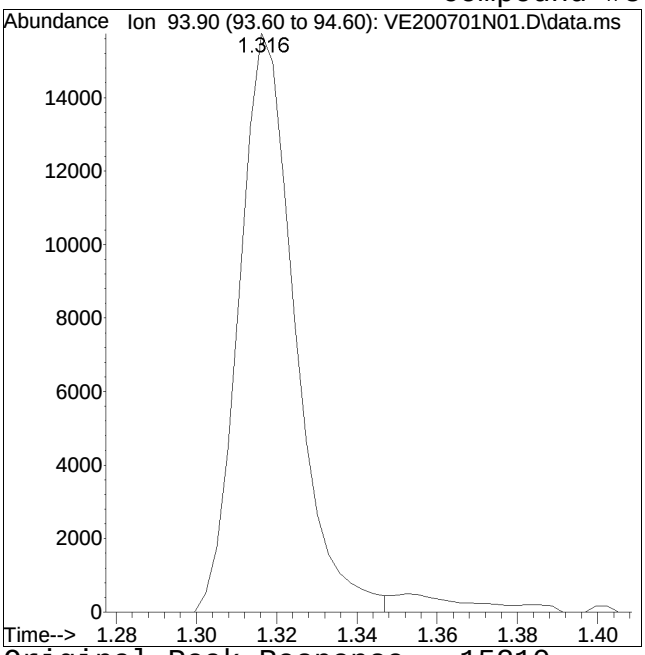
Manual Peak Response = 34948 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

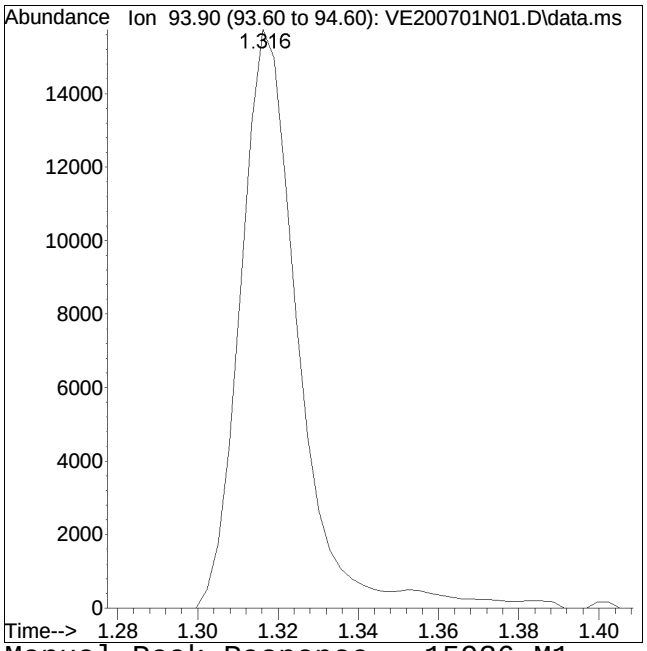
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200602N_8260.m
Data File : VE200701N01.D Operator : ELAINE:TMS
Date Inj'd : 7/1/2020 5:15 pm Instrument : Elaine
Sample : WG1388497-3,31,10,10 Quant Date : 7/1/2020 5:56 pm

Compound #5: Bromomethane



Original Peak Response = 15210



Manual Peak Response = 15936 M1

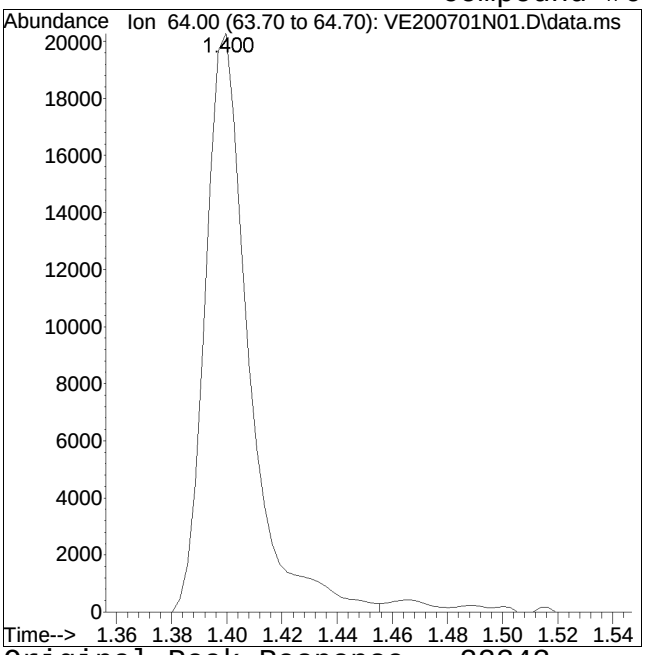
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

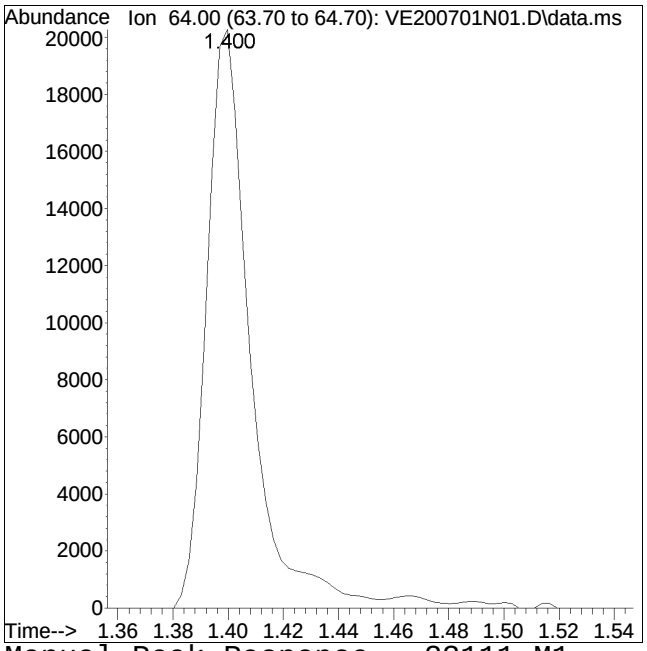
Data Path : I:\VOLATILES\Elaine\2020\2Q
Data File : VE200701N01.D
Date Inj'd : 7/1/2020 5:15 pm
Sample : WG1388497-3,31,10,10

Method : Elaine_200602N_8260.m
Operator : ELAINE:TMS
Instrument : Elaine
Quant Date : 7/1/2020 5:56 pm

Compound #6: Chloroethane



Original Peak Response = 22343



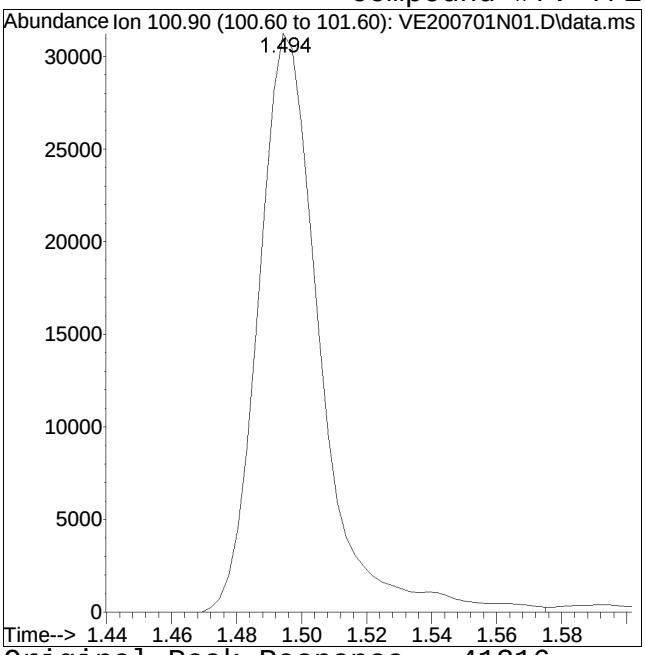
Manual Peak Response = 23111 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

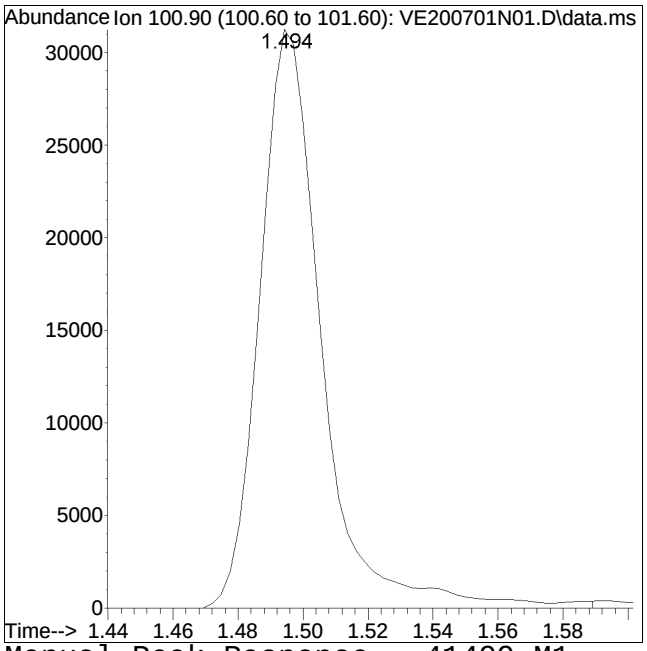
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200602N_8260.m
Data File : VE200701N01.D Operator : ELAINE:TMS
Date Inj'd : 7/1/2020 5:15 pm Instrument : Elaine
Sample : WG1388497-3,31,10,10 Quant Date : 7/1/2020 5:56 pm

Compound #7: Trichlorofluoromethane



Original Peak Response = 41216



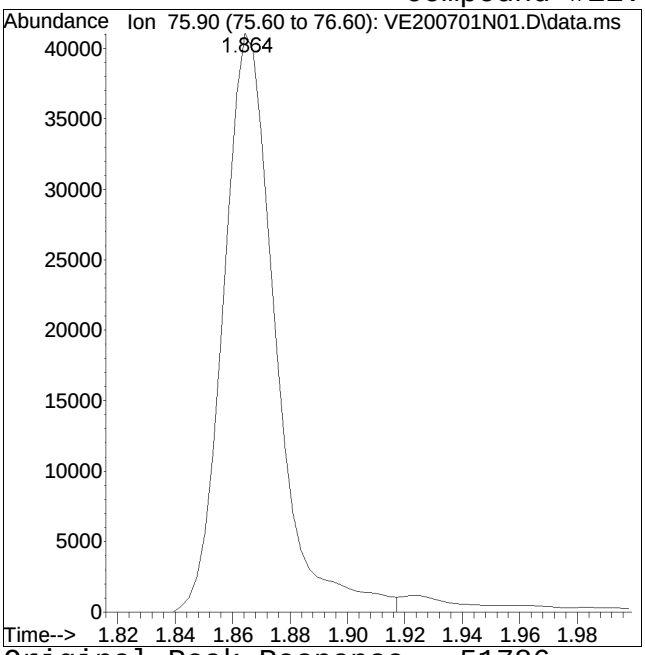
Manual Peak Response = 41499 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

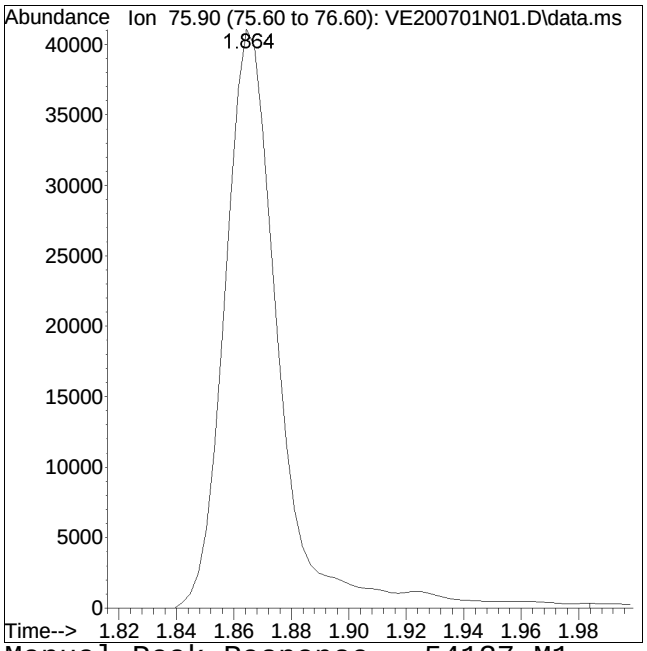
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200602N_8260.m
Data File : VE200701N01.D Operator : ELAINE:TMS
Date Inj'd : 7/1/2020 5:15 pm Instrument : Elaine
Sample : WG1388497-3,31,10,10 Quant Date : 7/1/2020 5:56 pm

Compound #11: Carbon disulfide



Original Peak Response = 51786



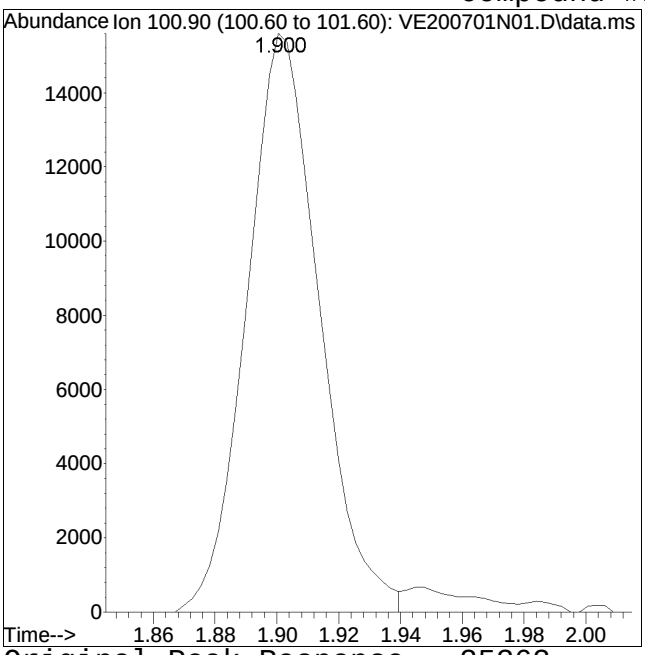
Manual Peak Response = 54137 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

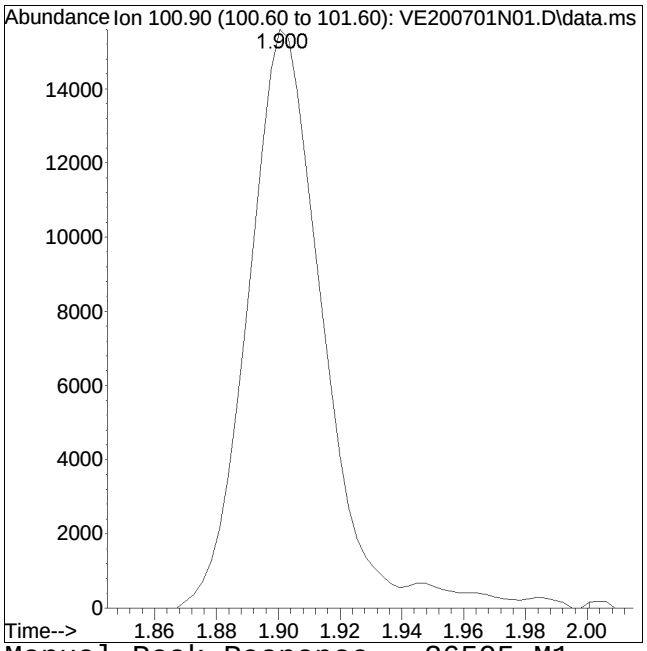
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200602N_8260.m
Data File : VE200701N01.D Operator : ELAINE:TMS
Date Inj'd : 7/1/2020 5:15 pm Instrument : Elaine
Sample : WG1388497-3,31,10,10 Quant Date : 7/1/2020 5:56 pm

Compound #12: Freon-113



Original Peak Response = 25362



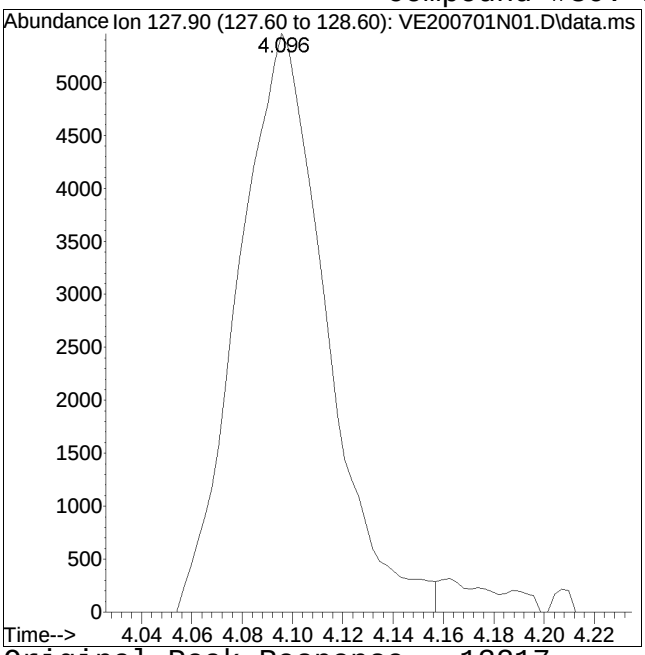
Manual Peak Response = 26595 M1

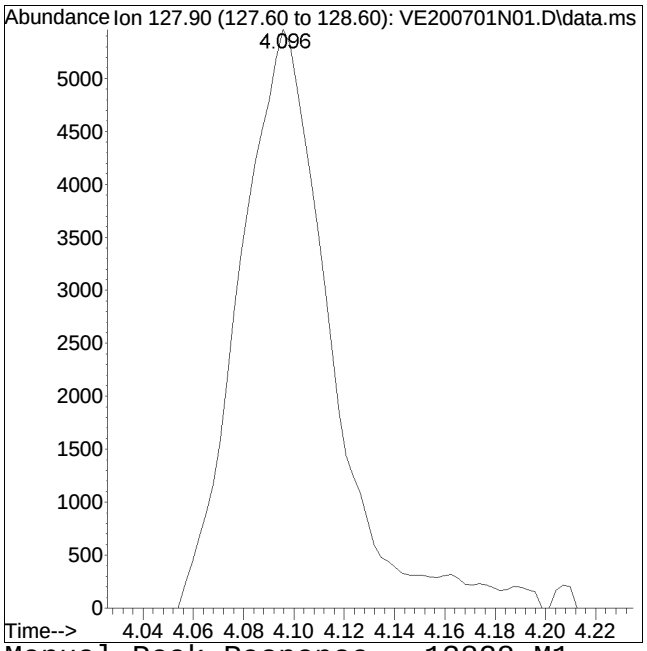
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200602N_8260.m
Data File : VE200701N01.D Operator : ELAINE:TMS
Date Inj'd : 7/1/2020 5:15 pm Instrument : Elaine
Sample : WG1388497-3,31,10,10 Quant Date : 7/1/2020 5:56 pm

Compound #30: Bromochloromethane



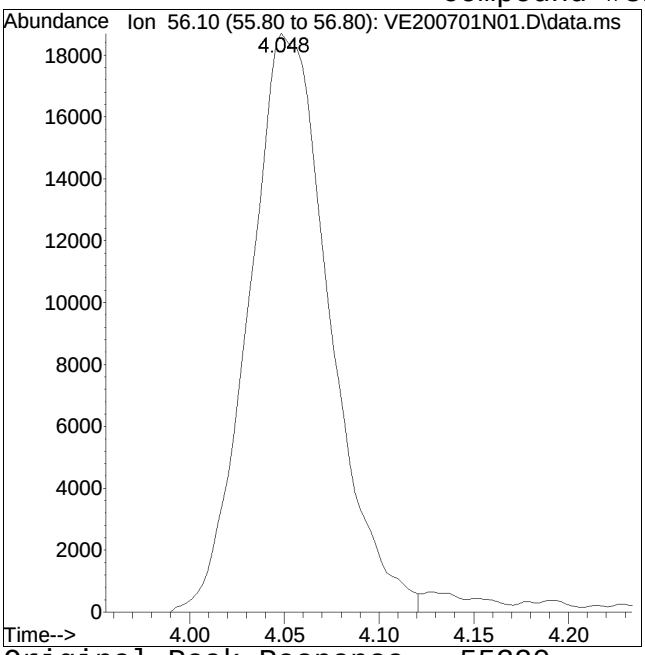


Original Peak Response = 13217 Manual Peak Response = 13828 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

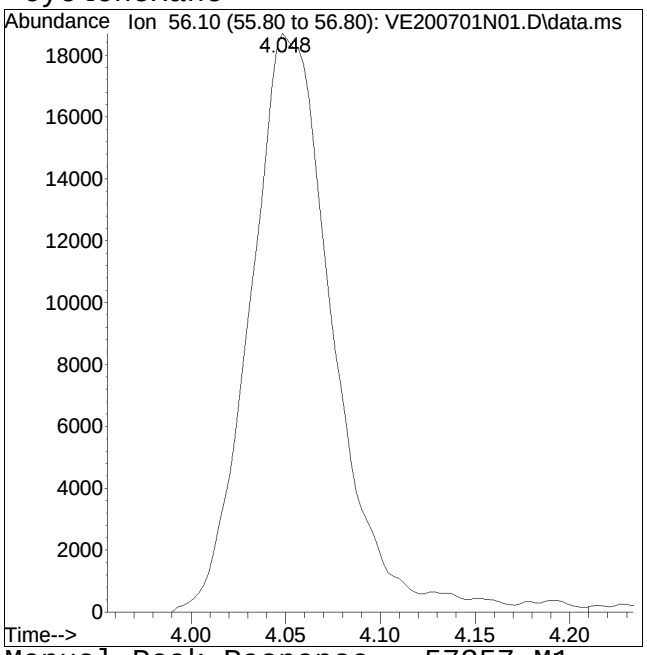
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200602N_8260.m
Data File : VE200701N01.D Operator : ELAINE:TMS
Date Inj'd : 7/1/2020 5:15 pm Instrument : Elaine
Sample : WG1388497-3,31,10,10 Quant Date : 7/1/2020 5:56 pm

Compound #31: Cyclohexane



Original Peak Response = 55320



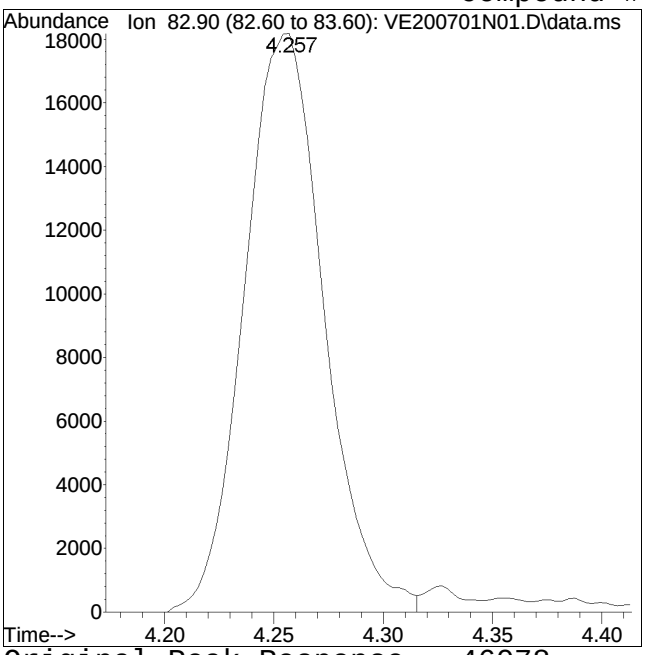
Manual Peak Response = 57357 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

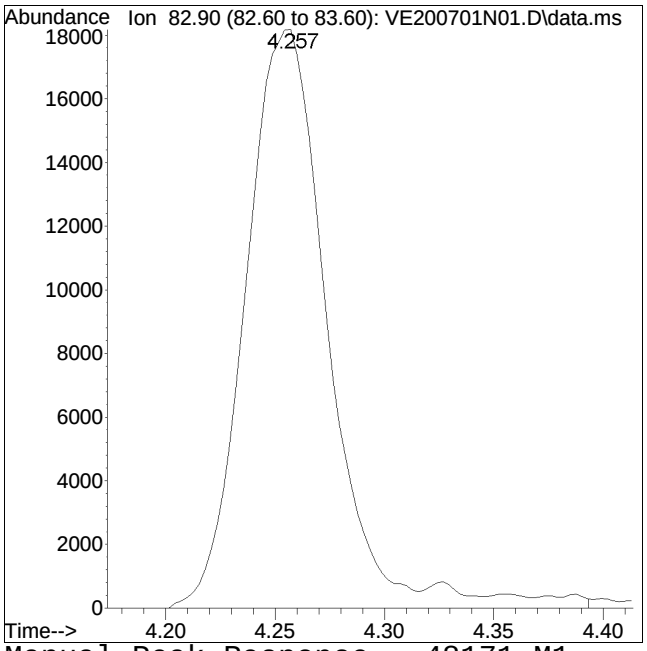
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200602N_8260.m
Data File : VE200701N01.D Operator : ELAINE:TMS
Date Inj'd : 7/1/2020 5:15 pm Instrument : Elaine
Sample : WG1388497-3,31,10,10 Quant Date : 7/1/2020 5:56 pm

Compound #32: Chloroform



Original Peak Response = 46078



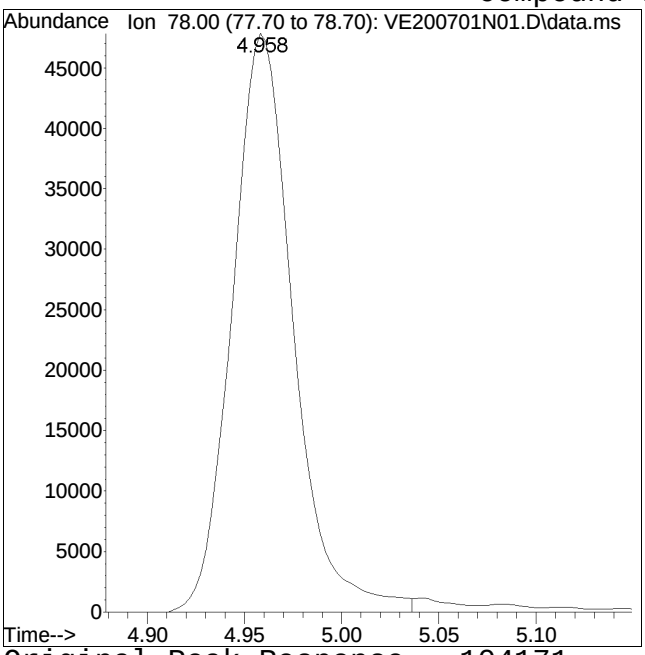
Manual Peak Response = 48171 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

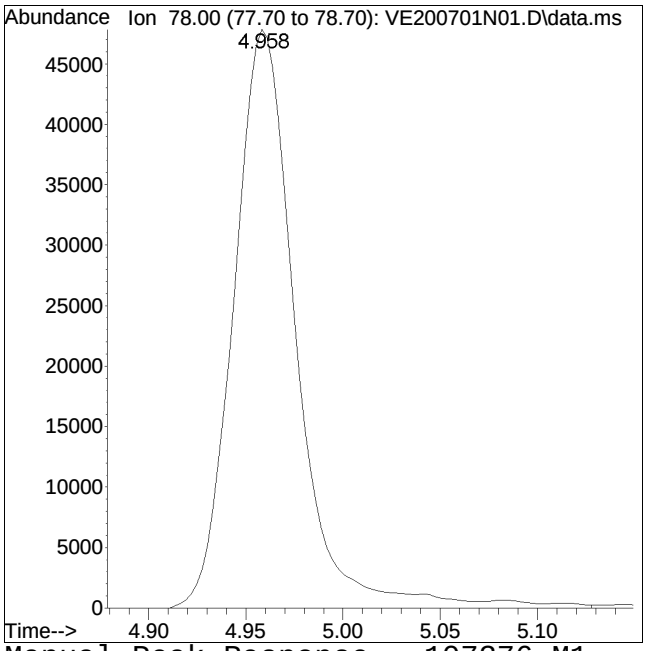
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200602N_8260.m
Data File : VE200701N01.D Operator : ELAINE:TMS
Date Inj'd : 7/1/2020 5:15 pm Instrument : Elaine
Sample : WG1388497-3,31,10,10 Quant Date : 7/1/2020 5:56 pm

Compound #41: Benzene



Original Peak Response = 104171



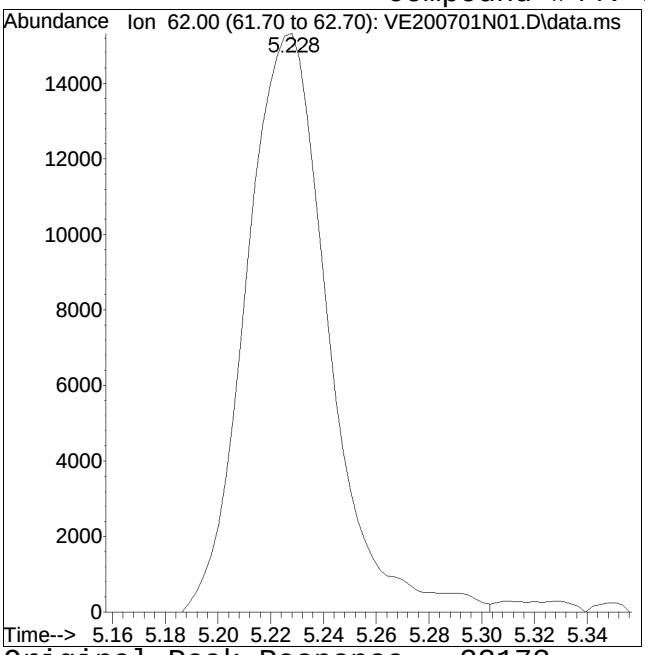
Manual Peak Response = 107376 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

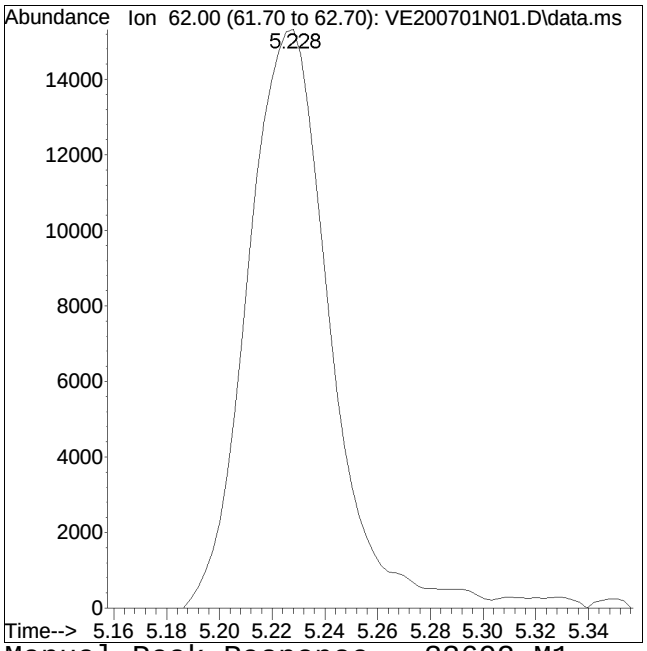
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200602N_8260.m
Data File : VE200701N01.D Operator : ELAINE:TMS
Date Inj'd : 7/1/2020 5:15 pm Instrument : Elaine
Sample : WG1388497-3,31,10,10 Quant Date : 7/1/2020 5:56 pm

Compound #44: 1,2-Dichloroethane



Original Peak Response = 33173



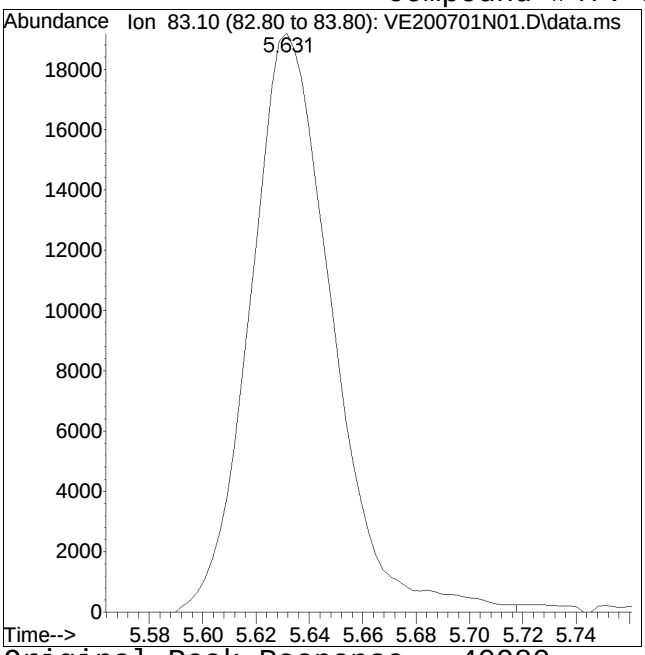
Manual Peak Response = 33692 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

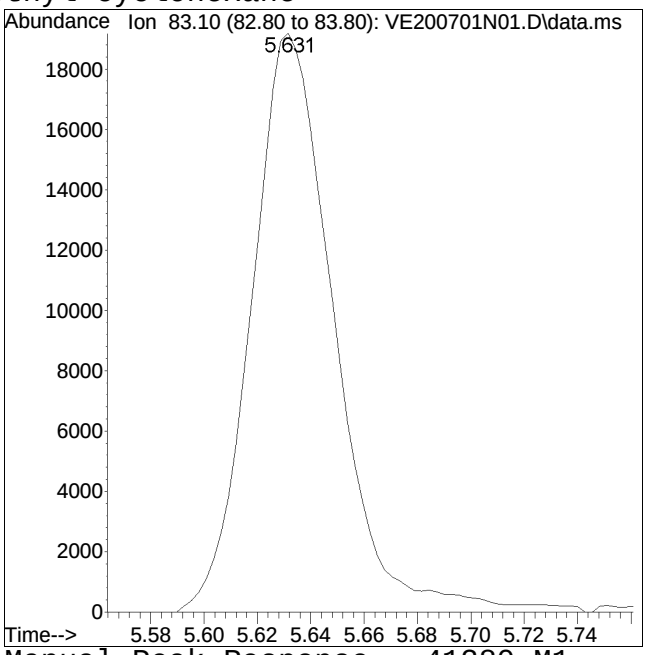
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200602N_8260.m
Data File : VE200701N01.D Operator : ELAINE:TMS
Date Inj'd : 7/1/2020 5:15 pm Instrument : Elaine
Sample : WG1388497-3,31,10,10 Quant Date : 7/1/2020 5:56 pm

Compound #47: Methyl cyclohexane



Original Peak Response = 40980



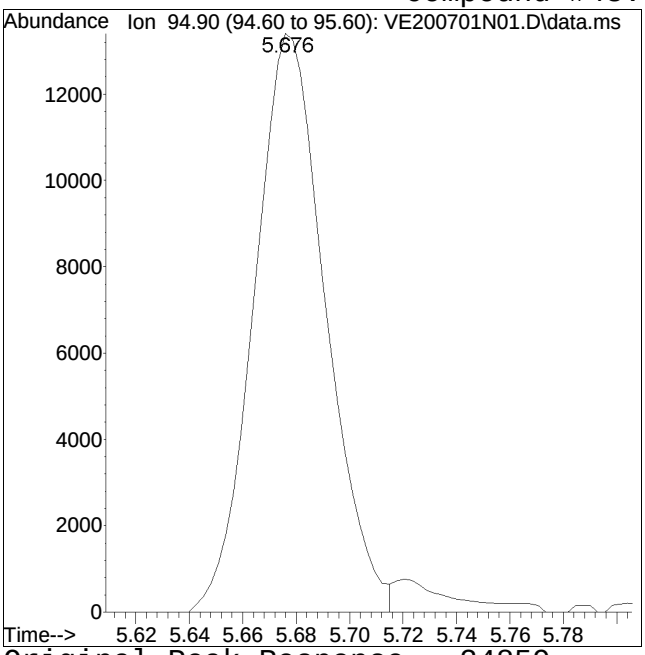
Manual Peak Response = 41280 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

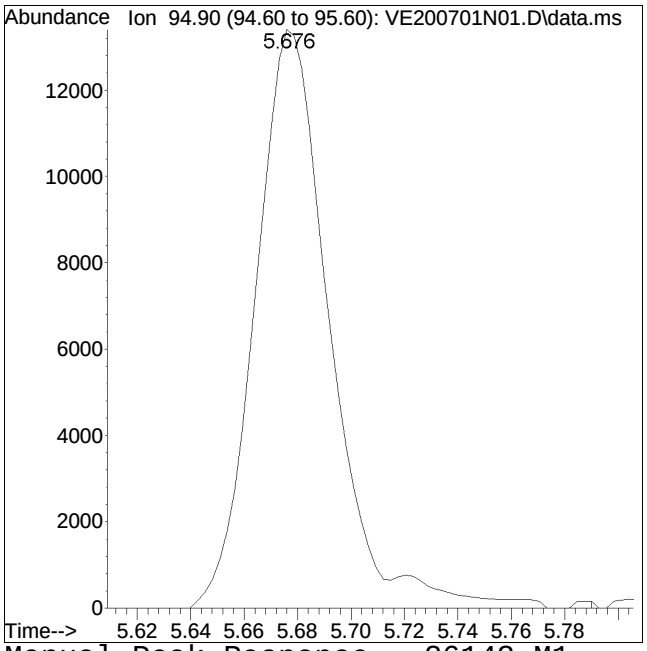
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200602N_8260.m
Data File : VE200701N01.D Operator : ELAINE:TMS
Date Inj'd : 7/1/2020 5:15 pm Instrument : Elaine
Sample : WG1388497-3,31,10,10 Quant Date : 7/1/2020 5:56 pm

Compound #48: Trichloroethene



Original Peak Response = 24859



Manual Peak Response = 26143 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2020\200702A\
Data File : V08200702A01.D
Acq On : 2 Jul 2020 6:58 am
Operator : VOA108:PD
Sample : WG1388512-3,31,10,10
Misc : WG1388512,ICAL16918
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 02 07:38:08 2020
Quant Method : I:\VOLATILES\VOA108\2020\200702A\V108_200623N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jun 24 10:26:22 2020
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.397	96	204273	10.000	ug/L	-0.01
59) Chlorobenzene-d5	8.428	117	143225	10.000	ug/L	0.00
79) 1,4-Dichlorobenzene-d4	9.923	152	66393	10.000	ug/L	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	4.402	113	51469	9.369	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 93.69%			
43) 1,2-Dichloroethane-d4	5.051	65	62555	10.383	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.83%			
60) Toluene-d8	7.107	98	194909	10.516	ug/L	-0.01
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.16%			
83) 4-Bromofluorobenzene	9.254	95	68547	9.815	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.15%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.938	85	33375M1	6.573	ug/L	
3) Chloromethane	1.052	50	54792M1	7.874	ug/L	
4) Vinyl chloride	1.105	62	55327	8.910	ug/L	100
5) Bromomethane	1.303	94	25431M1	7.442	ug/L	
6) Chloroethane	1.382	64	33374	10.221	ug/L	99
7) Trichlorofluoromethane	1.476	101	69602M1	9.600	ug/L	
10) 1,1-Dichloroethene	1.830	96	44219M1	9.440	ug/L	
11) Carbon disulfide	1.839	76	118927M1	9.083	ug/L	
12) Freon-113	1.870	101	45293M1	9.881	ug/L	
15) Methylene chloride	2.302	84	52044M1	8.983	ug/L	
17) Acetone	2.358	43	13618M1	8.724	ug/L	
18) trans-1,2-Dichloroethene	2.444	96	48684M1	9.031	ug/L	
19) Methyl acetate	2.483	43	33846	7.981	ug/L #	97
20) Methyl tert-butyl ether	2.567	73	122384M1	8.550	ug/L	
23) 1,1-Dichloroethane	3.060	63	100796M1	9.895	ug/L	
28) cis-1,2-Dichloroethene	3.727	96	54426M1	9.051	ug/L	
30) Bromochloromethane	3.997	128	26559M1	9.557	ug/L	
31) Cyclohexane	3.964	56	98481M1	9.148	ug/L	
32) Chloroform	4.156	83	90747M1	8.960	ug/L	
34) Carbon tetrachloride	4.279	117	65073	9.244	ug/L	98
37) 1,1,1-Trichloroethane	4.374	97	80246M1	9.039	ug/L	
39) 2-Butanone	4.591	43	22200M1	8.770	ug/L	
41) Benzene	4.870	78	188458	9.008	ug/L	97
44) 1,2-Dichloroethane	5.129	62	73230M1	9.456	ug/L	

Data Path : I:\VOLATILES\VOA108\2020\200702A\
Data File : V08200702A01.D
Acq On : 2 Jul 2020 6:58 am
Operator : VOA108:PD
Sample : WG1388512-3,31,10,10
Misc : WG1388512,ICAL16918
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 02 07:38:08 2020
Quant Method : I:\VOLATILES\VOA108\2020\200702A\V108_200623N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jun 24 10:26:22 2020
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
47) Methyl cyclohexane	5.556	83	81020M1	8.781	ug/L		
48) Trichloroethene	5.595	95	52671M1	8.395	ug/L		
51) 1,2-Dichloropropane	6.158	63	56111M1	8.914	ug/L		
54) Bromodichloromethane	6.270	83	67880	8.337	ug/L		99
57) 1,4-Dioxane	6.493	88	20703M1	491.768	ug/L		
58) cis-1,3-Dichloropropene	6.931	75	76005	8.374	ug/L		92
61) Toluene	7.157	92	122462	9.964	ug/L		95
62) 4-Methyl-2-pentanone	7.572	58	17838	8.105	ug/L		82
63) Tetrachloroethene	7.522	166	50475	9.878	ug/L		90
65) trans-1,3-Dichloropropene	7.595	75	63326	8.847	ug/L		86
68) 1,1,2-Trichloroethane	7.726	83	34200	9.283	ug/L		94
69) Chlorodibromomethane	7.865	129	50205	9.244	ug/L		96
71) 1,2-Dibromoethane	8.024	107	41139	9.320	ug/L		96
72) 2-Hexanone	8.269	43	32412	8.392	ug/L	#	94
73) Chlorobenzene	8.440	112	139380	10.075	ug/L		88
74) Ethylbenzene	8.481	91	225914	10.019	ug/L		97
76) p/m Xylene	8.587	106	184616	20.389	ug/L		89
77) o Xylene	8.875	106	180104	20.392	ug/L		87
78) Styrene	8.911	104	295334	20.270	ug/L		88
80) Bromoform	8.916	173	25408	8.877	ug/L		96
82) Isopropylbenzene	9.087	105	229601	10.437	ug/L		94
87) 1,1,2,2-Tetrachloroethane	9.402	83	49019	9.187	ug/L		99
100) 1,3-Dichlorobenzene	9.879	146	112384	10.668	ug/L		98
101) 1,4-Dichlorobenzene	9.931	146	113081	10.607	ug/L		97
104) 1,2-Dichlorobenzene	10.171	146	103682	10.423	ug/L		99
106) 1,2-Dibromo-3-chloropr...	10.629	155	6720	8.395	ug/L		93
109) 1,2,4-Trichlorobenzene	11.005	180	61714	9.724	ug/L		96
111) 1,2,3-Trichlorobenzene	11.287	180	53617	9.432	ug/L		97

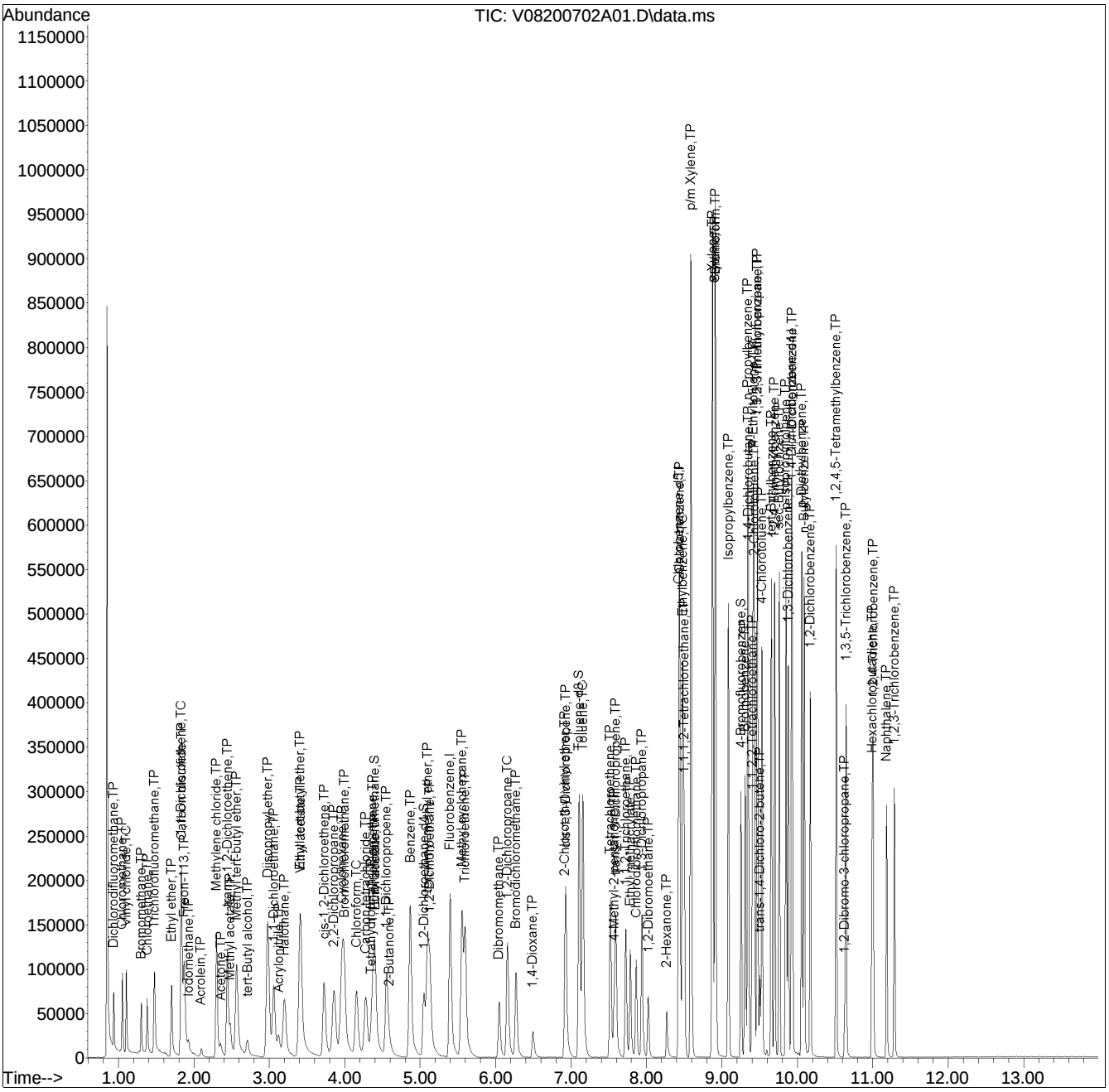
(#) = qualifier out of range (m) = manual integration (+) = signals summed

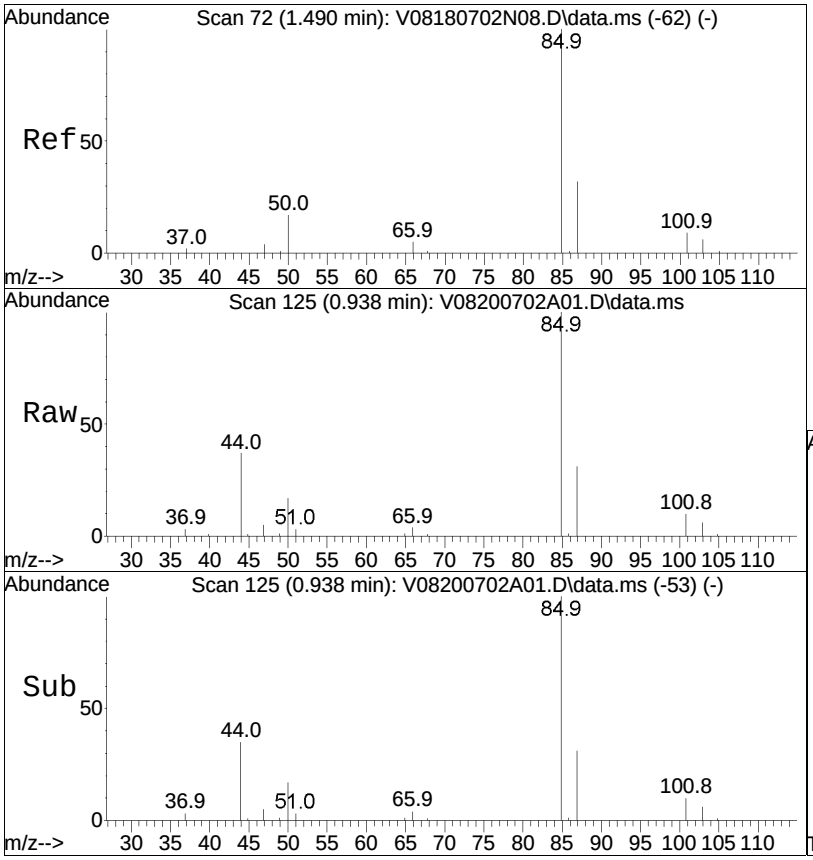
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2020\200702A\
Data File : V08200702A01.D
Acq On : 2 Jul 2020 6:58 am
Operator : VOA108:PD
Sample : WG1388512-3,31,10,10
Misc : WG1388512,ICAL16918
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 02 07:38:08 2020
Quant Method : I:\VOLATILES\VOA108\2020\200702A\V108_200623N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jun 24 10:26:22 2020
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox

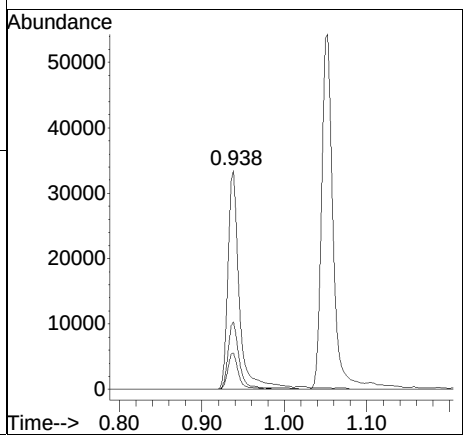


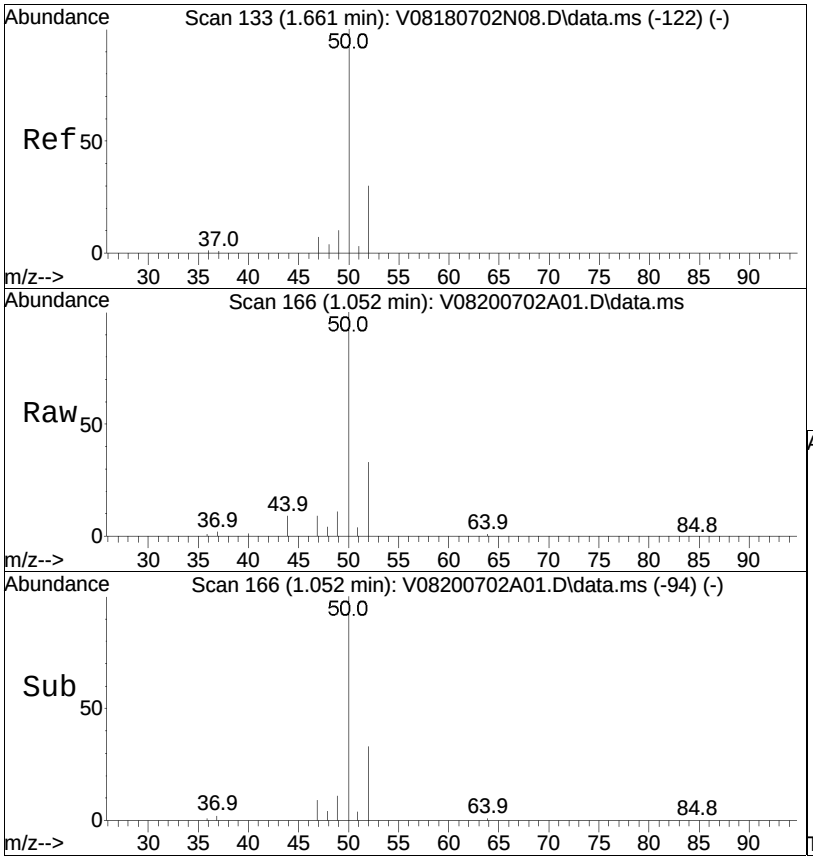


#2
Dichlorodifluoromethane
Concen: 6.57 ug/L M1
RT: 0.938 min Scan# 125
Delta R.T. 0.000 min
Lab File: V08200702A01.D
Acq: 2 Jul 2020 6:58 am

Tgt Ion: 85 Resp: 33375

Ion	Ratio	Lower	Upper
85	100		
87	29.0	21.0	43.6
50	14.9	8.9	18.5

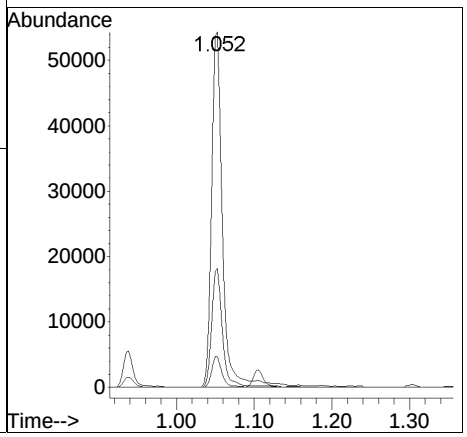


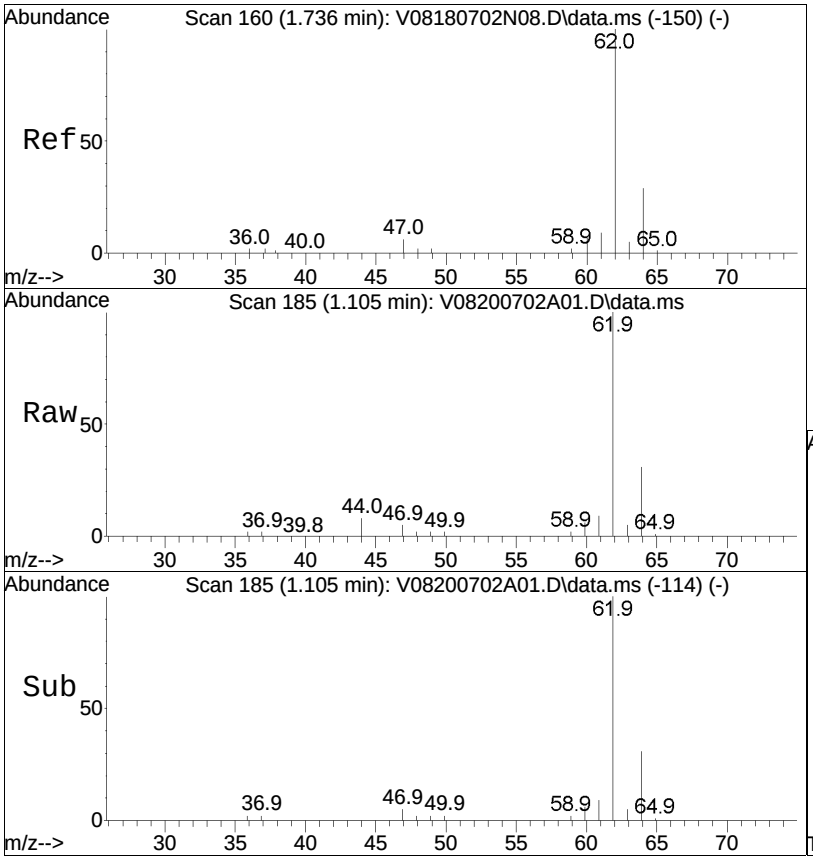


#3
Chloromethane
Concen: 7.87 ug/L M1
RT: 1.052 min Scan# 166
Delta R.T. -0.001 min
Lab File: V08200702A01.D
Acq: 2 Jul 2020 6:58 am

Tgt Ion: 50 Resp: 54792

Ion	Ratio	Lower	Upper
50	100		
52	31.9	12.9	52.9
47	8.0	0.0	28.3

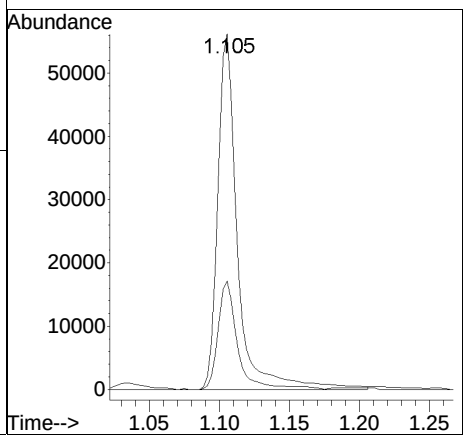


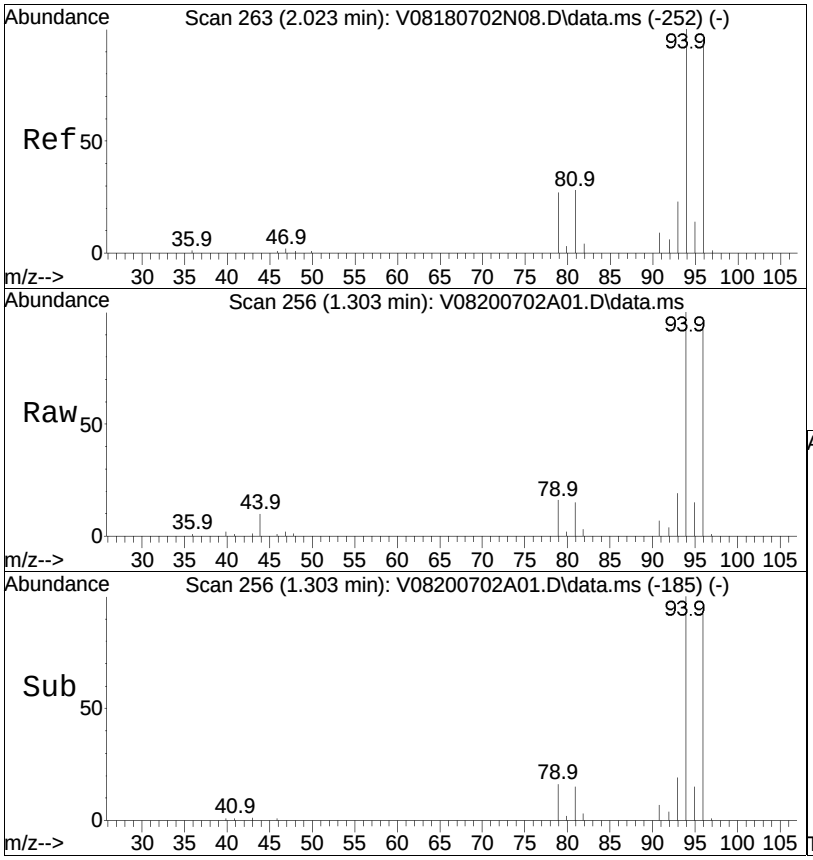


#4
Vinyl chloride
Concen: 8.91 ug/L
RT: 1.105 min Scan# 185
Delta R.T. -0.003 min
Lab File: V08200702A01.D
Acq: 2 Jul 2020 6:58 am

Tgt Ion: 62 Resp: 55327

Ion	Ratio	Lower	Upper
62	100		
64	29.2	9.1	49.1

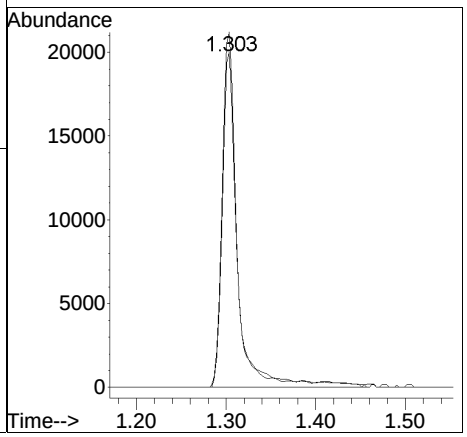


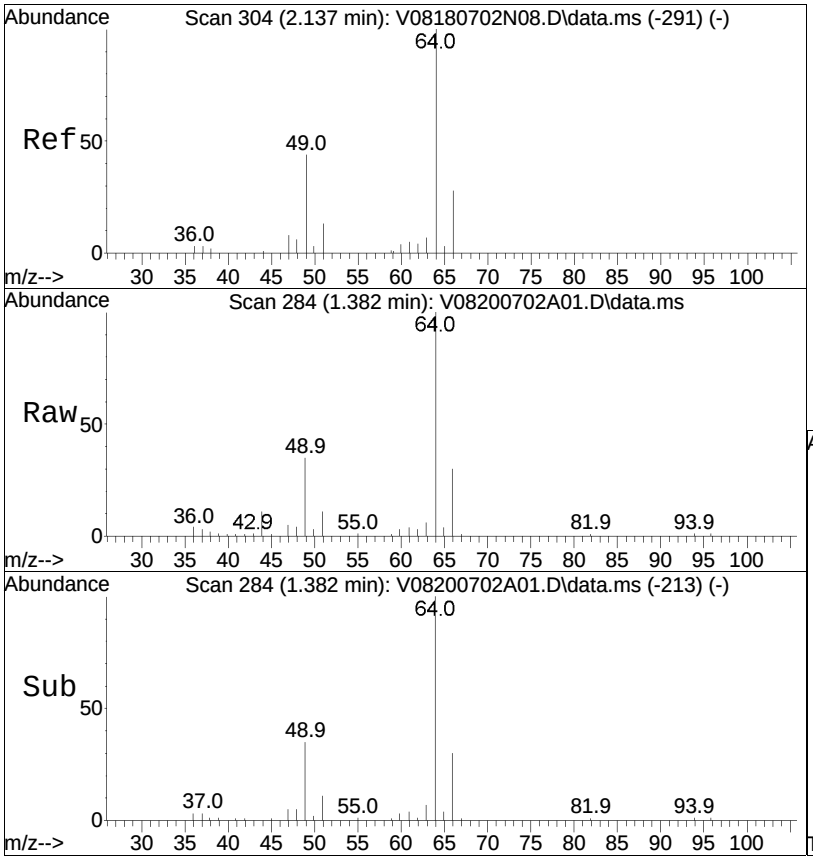


#5
Bromomethane
Concen: 7.44 ug/L M1
RT: 1.303 min Scan# 256
Delta R.T. -0.003 min
Lab File: V08200702A01.D
Acq: 2 Jul 2020 6:58 am

Tgt Ion: 94 Resp: 25431

Ion	Ratio	Lower	Upper
94	100		
96	85.2	75.6	115.6

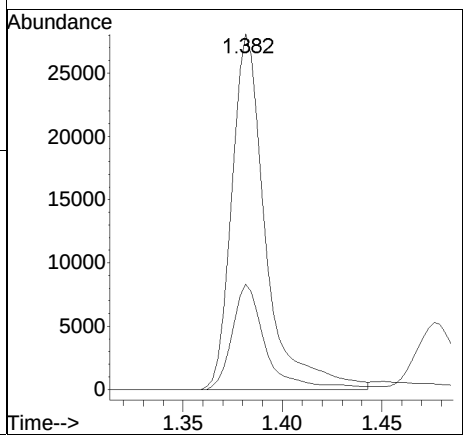


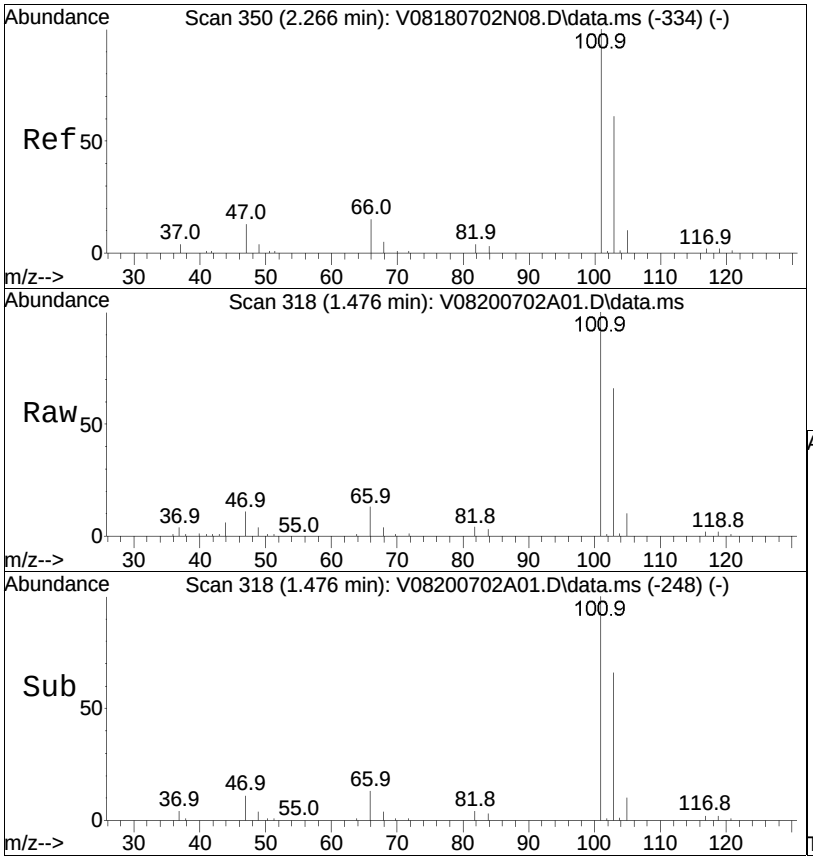


#6
Chloroethane
Concen: 10.22 ug/L
RT: 1.382 min Scan# 284
Delta R.T. -0.002 min
Lab File: V08200702A01.D
Acq: 2 Jul 2020 6:58 am

Tgt Ion: 64 Resp: 33374

Ion	Ratio	Lower	Upper
64	100		
66	29.3	9.8	49.8

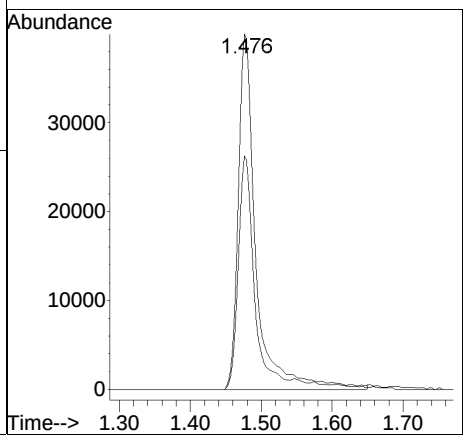


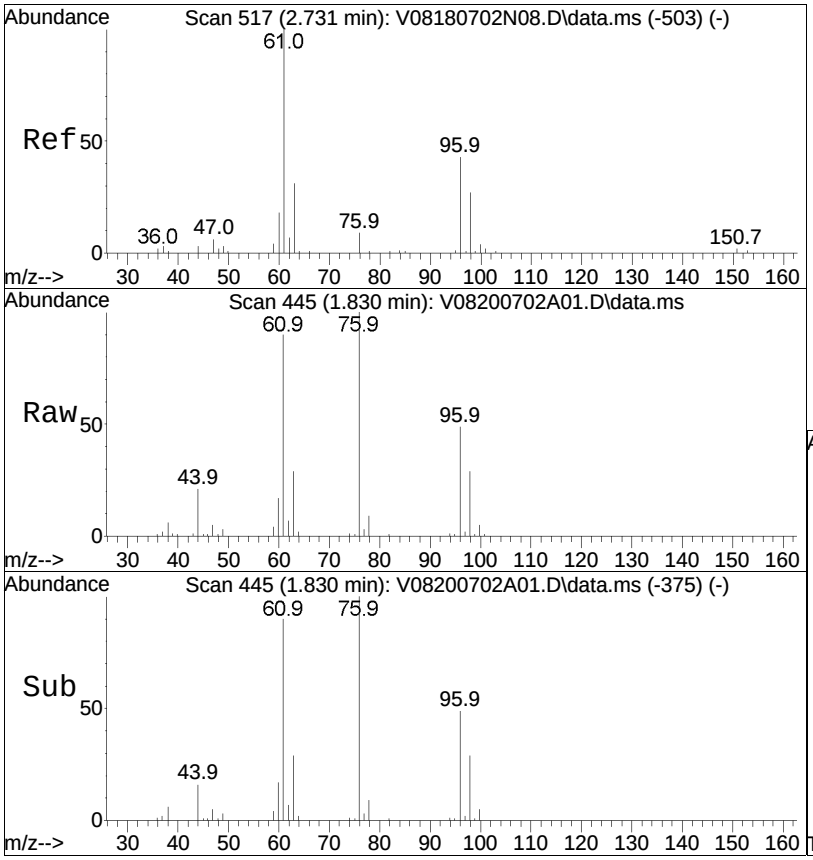


#7
Trichlorofluoromethane
Concen: 9.60 ug/L M1
RT: 1.476 min Scan# 318
Delta R.T. -0.006 min
Lab File: V08200702A01.D
Acq: 2 Jul 2020 6:58 am

Tgt Ion:101 Resp: 69602

Ion	Ratio	Lower	Upper
101	100		
103	59.2	53.8	80.6

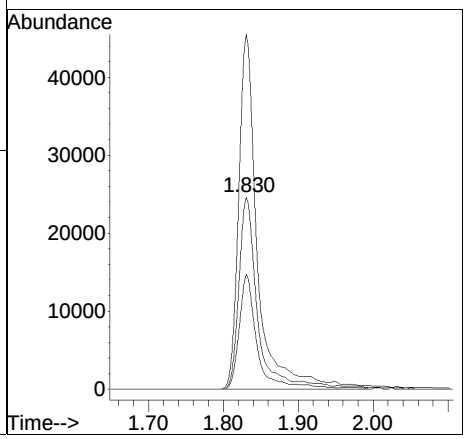


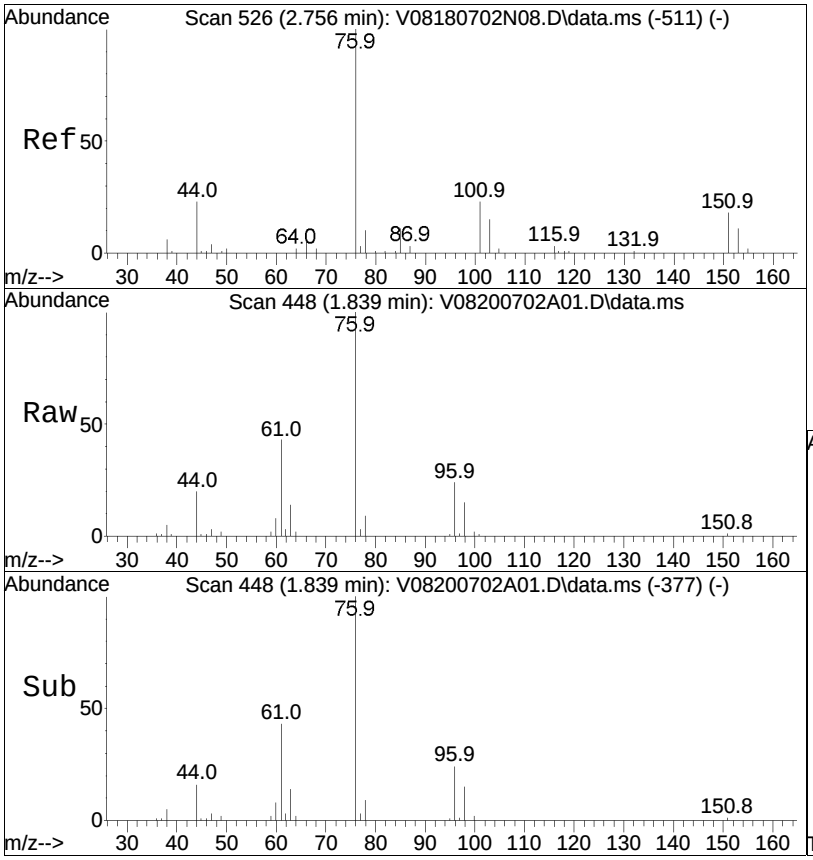


#10
1,1-Dichloroethene
Concen: 9.44 ug/L M1
RT: 1.830 min Scan# 445
Delta R.T. -0.006 min
Lab File: V08200702A01.D
Acq: 2 Jul 2020 6:58 am

Tgt Ion: 96 Resp: 44219

Ion	Ratio	Lower	Upper
96	100		
61	172.4	186.1	279.1#
63	53.8	57.6	86.4#

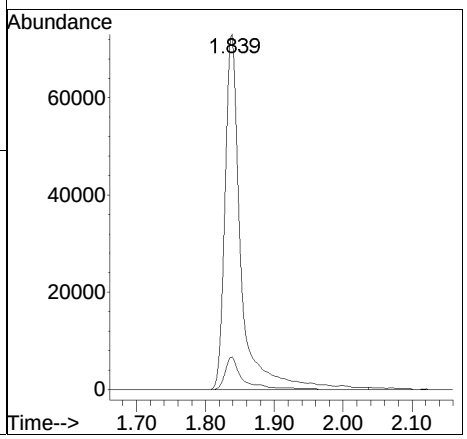


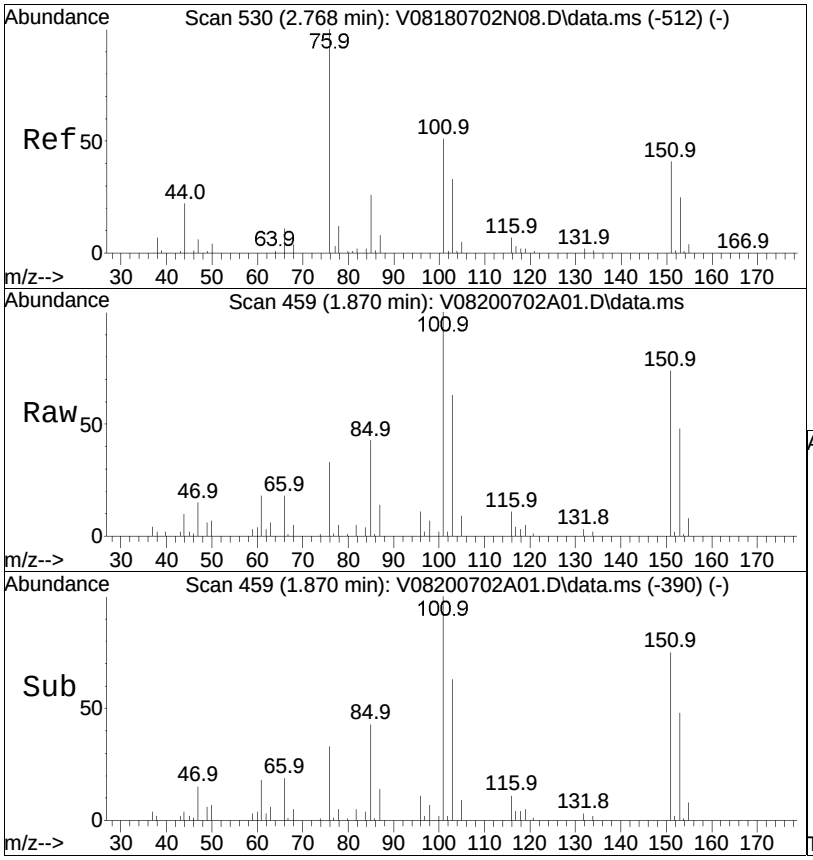


#11
Carbon disulfide
Concen: 9.08 ug/L M1
RT: 1.839 min Scan# 448
Delta R.T. -0.003 min
Lab File: V08200702A01.D
Acq: 2 Jul 2020 6:58 am

Tgt Ion: 76 Resp: 118927

Ion	Ratio	Lower	Upper
76	100		
78	9.5	5.7	11.7

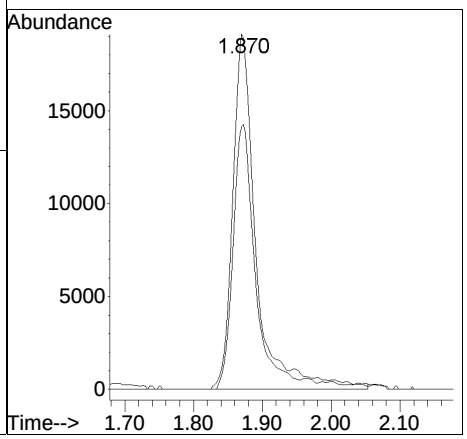


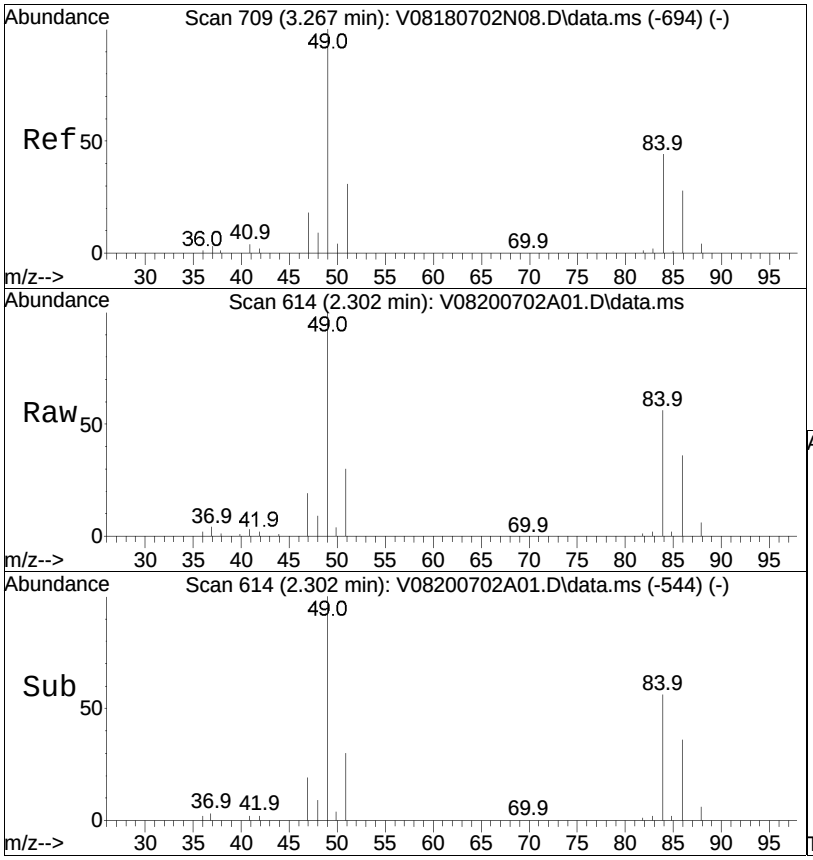


#12
Freon-113
Concen: 9.88 ug/L M1
RT: 1.870 min Scan# 459
Delta R.T. -0.008 min
Lab File: V08200702A01.D
Acq: 2 Jul 2020 6:58 am

Tgt Ion:101 Resp: 45293

Ion	Ratio	Lower	Upper
101	100		
151	70.3	59.8	89.8

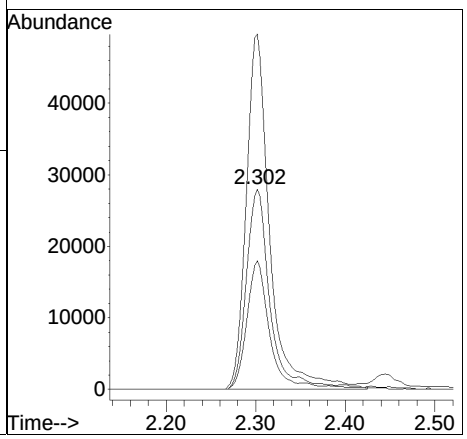


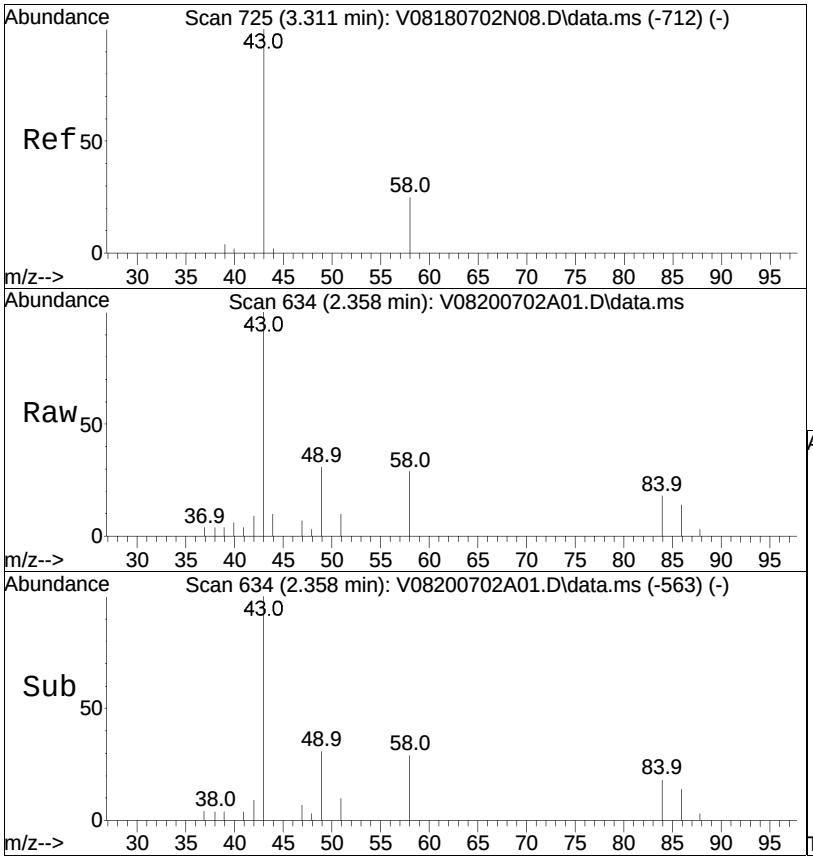


#15
Methylene chloride
Concen: 8.98 ug/L M1
RT: 2.302 min Scan# 614
Delta R.T. -0.005 min
Lab File: V08200702A01.D
Acq: 2 Jul 2020 6:58 am

Tgt Ion: 84 Resp: 52044

Ion	Ratio	Lower	Upper
84	100		
86	58.4	40.4	83.8
49	173.8	120.0	249.2

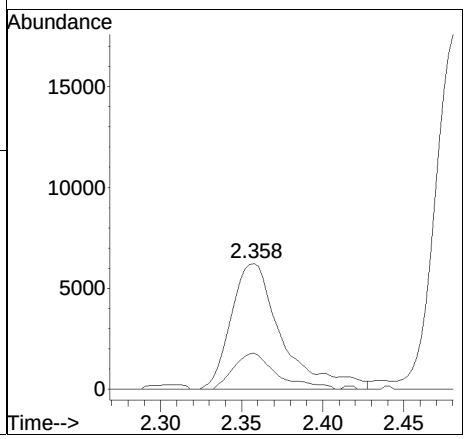


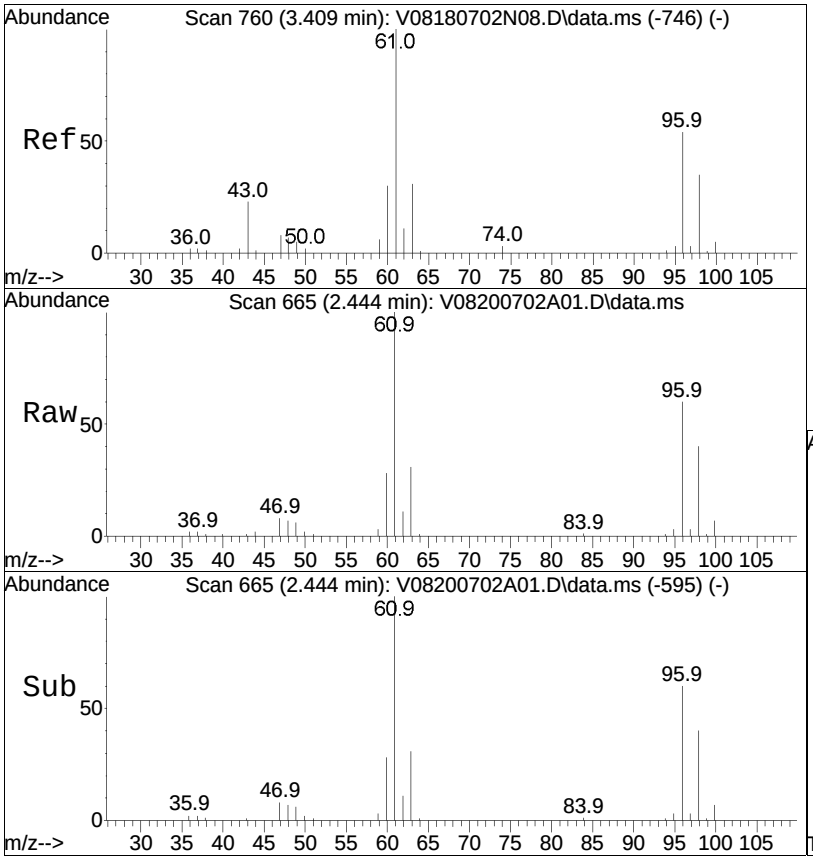


#17
Acetone
Concen: 8.72 ug/L M1
RT: 2.358 min Scan# 634
Delta R.T. -0.002 min
Lab File: V08200702A01.D
Acq: 2 Jul 2020 6:58 am

Tgt Ion: 43 Resp: 13618

Ion	Ratio	Lower	Upper
43	100		
58	24.9	24.2	36.4

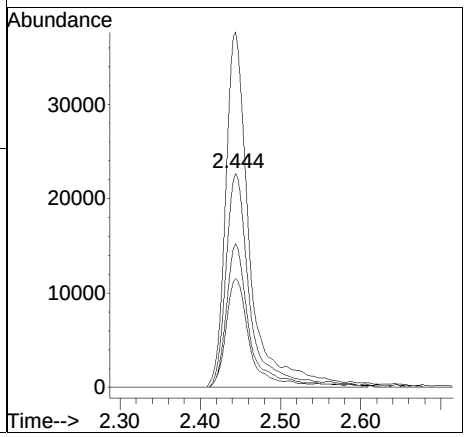


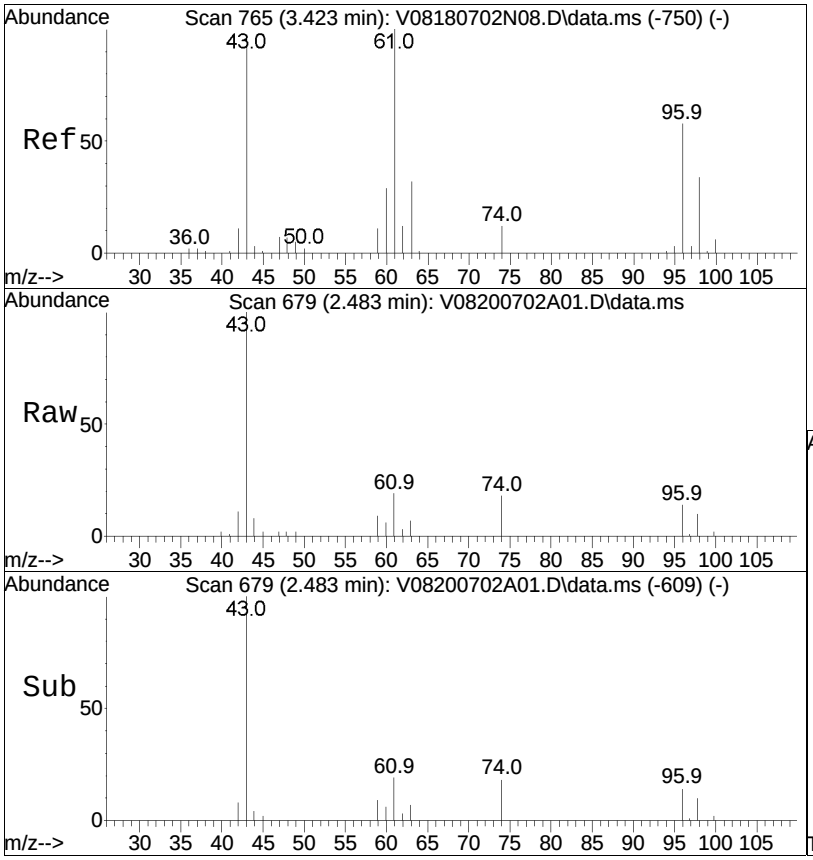


#18
trans-1,2-Dichloroethene
Concen: 9.03 ug/L M1
RT: 2.444 min Scan# 665
Delta R.T. -0.006 min
Lab File: V08200702A01.D
Acq: 2 Jul 2020 6:58 am

Tgt Ion: 96 Resp: 48684

Ion	Ratio	Lower	Upper
96	100		
61	149.0	124.0	257.6
98	61.9	41.2	85.6
63	46.6	38.4	79.7

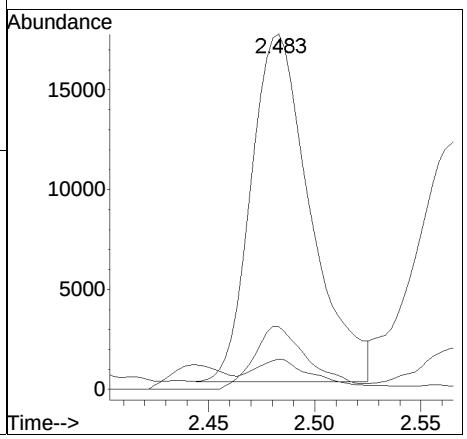


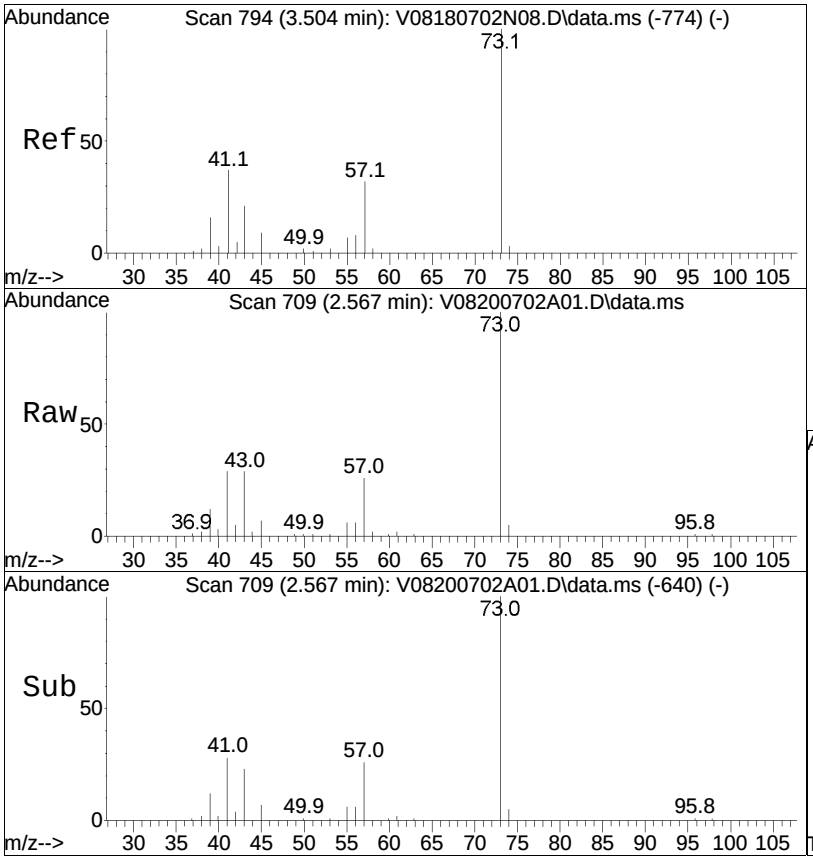


#19
Methyl acetate
Concen: 7.98 ug/L
RT: 2.483 min Scan# 679
Delta R.T. -0.006 min
Lab File: V08200702A01.D
Acq: 2 Jul 2020 6:58 am

Tgt Ion: 43 Resp: 33846

Ion	Ratio	Lower	Upper
43	100		
74	16.6	14.2	21.4
59	7.8	5.0	7.6#

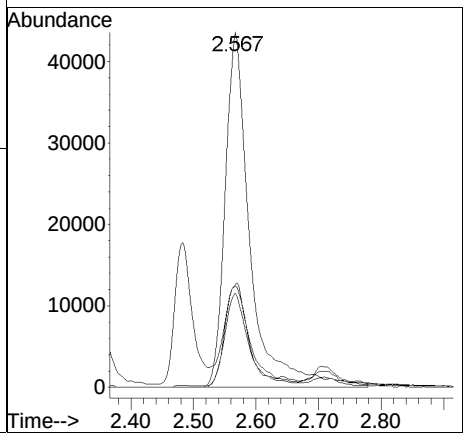


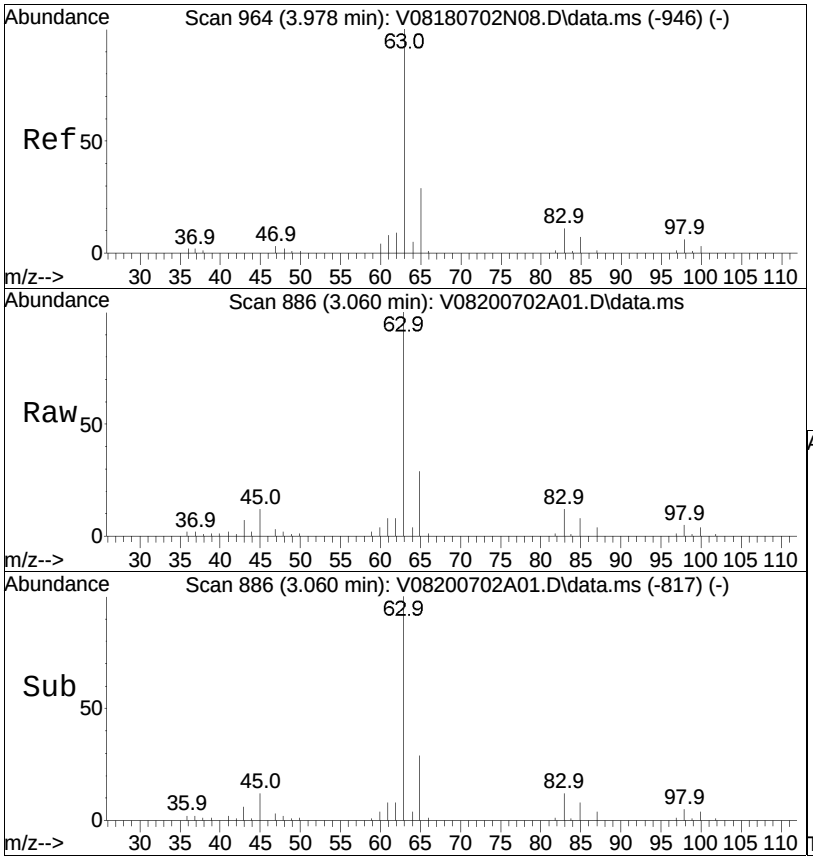


#20
Methyl tert-butyl ether
Concen: 8.55 ug/L M1
RT: 2.567 min Scan# 709
Delta R.T. -0.008 min
Lab File: V08200702A01.D
Acq: 2 Jul 2020 6:58 am

Tgt Ion: 73 Resp: 122384

Ion	Ratio	Lower	Upper
73	100		
57	26.0	17.5	36.3
43	25.1	15.3	31.9
41	27.5	15.3	31.7

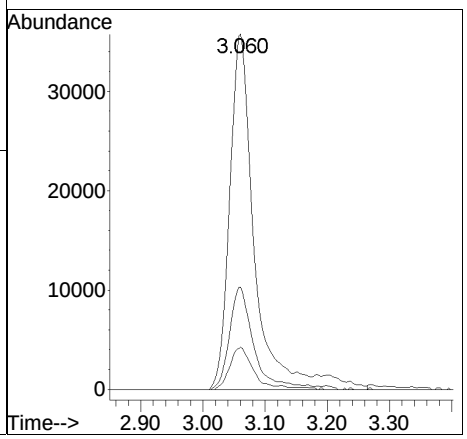


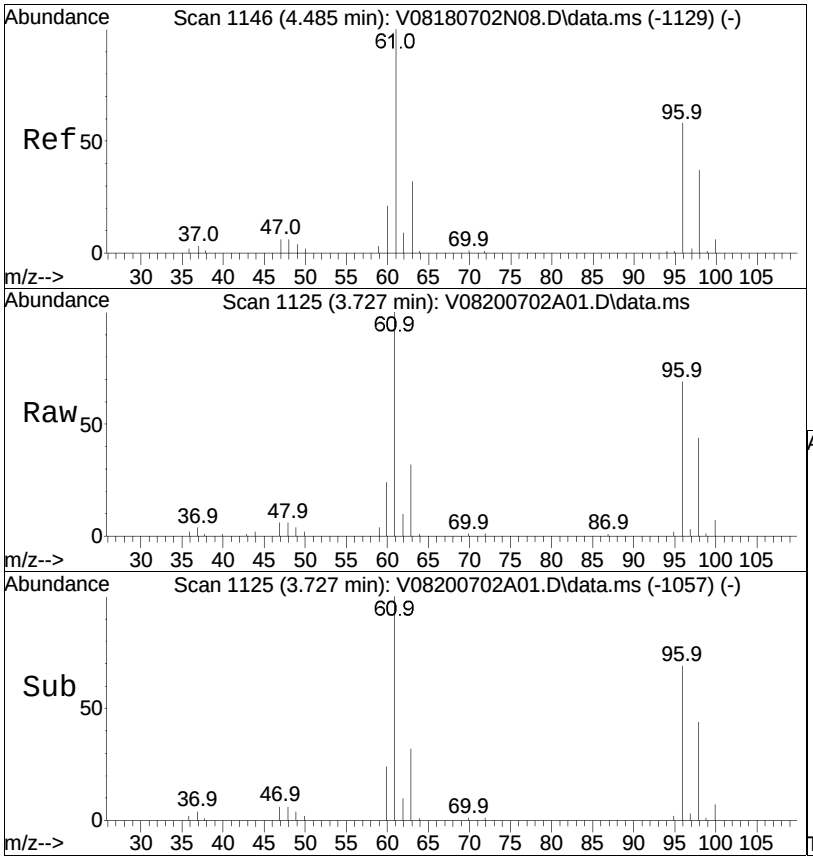


#23
1,1-Dichloroethane
Concen: 9.89 ug/L M1
RT: 3.060 min Scan# 886
Delta R.T. -0.009 min
Lab File: V08200702A01.D
Acq: 2 Jul 2020 6:58 am

Tgt Ion: 63 Resp: 100796

Ion	Ratio	Lower	Upper
63	100		
65	27.3	11.0	51.0
83	10.6	0.0	31.8

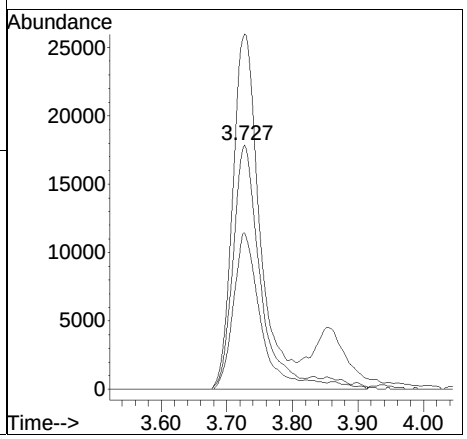


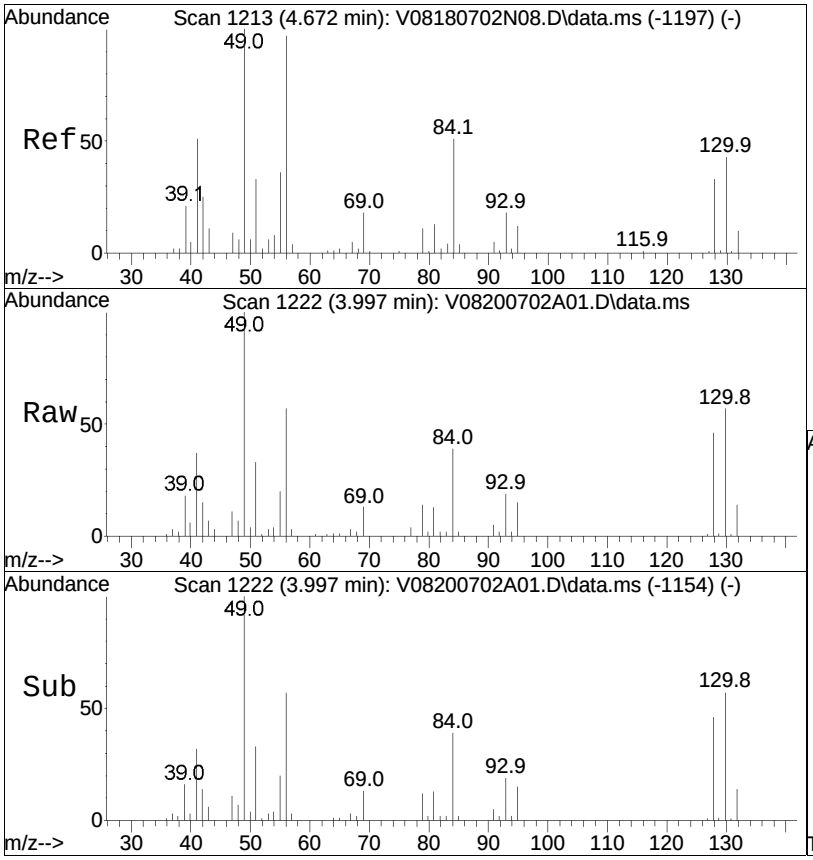


#28
cis-1,2-Dichloroethene
Concen: 9.05 ug/L M1
RT: 3.727 min Scan# 1125
Delta R.T. -0.011 min
Lab File: V08200702A01.D
Acq: 2 Jul 2020 6:58 am

Tgt Ion: 96 Resp: 54426

Ion	Ratio	Lower	Upper
96	100		
61	133.7	149.4	224.2#
98	59.1	53.4	80.2

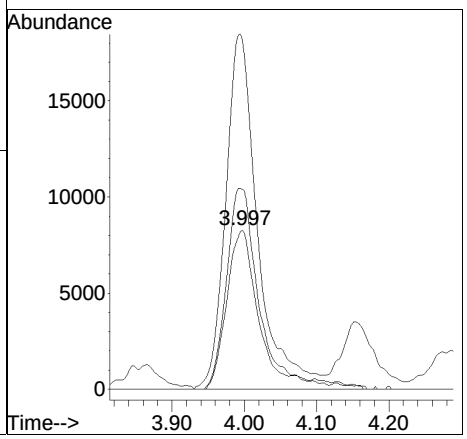


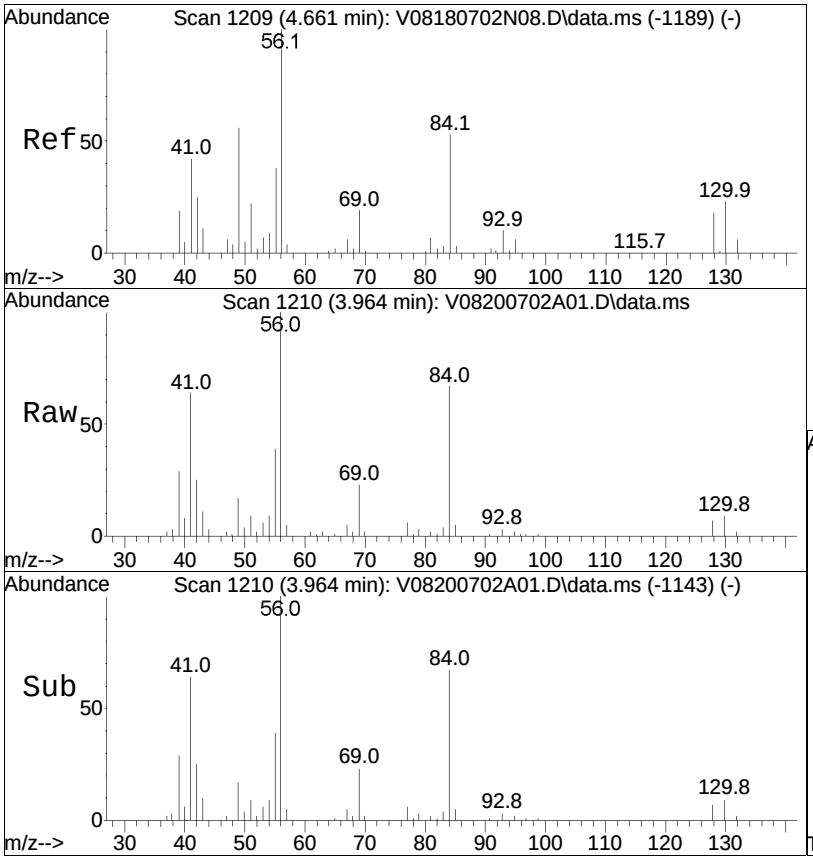


#30
Bromochloromethane
Concen: 9.56 ug/L M1
RT: 3.997 min Scan# 1222
Delta R.T. -0.012 min
Lab File: V08200702A01.D
Acq: 2 Jul 2020 6:58 am

Tgt Ion:128 Resp: 26559

Ion	Ratio	Lower	Upper
128	100		
49	213.7	223.0	334.4#
130	120.4	111.4	167.0

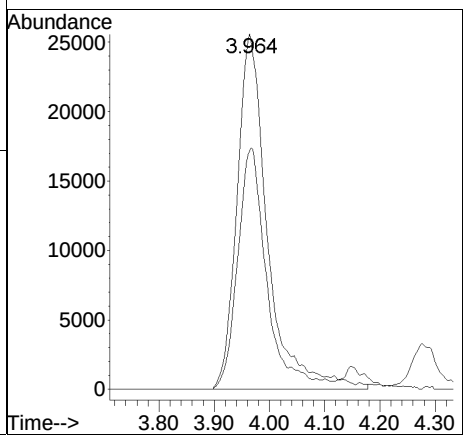


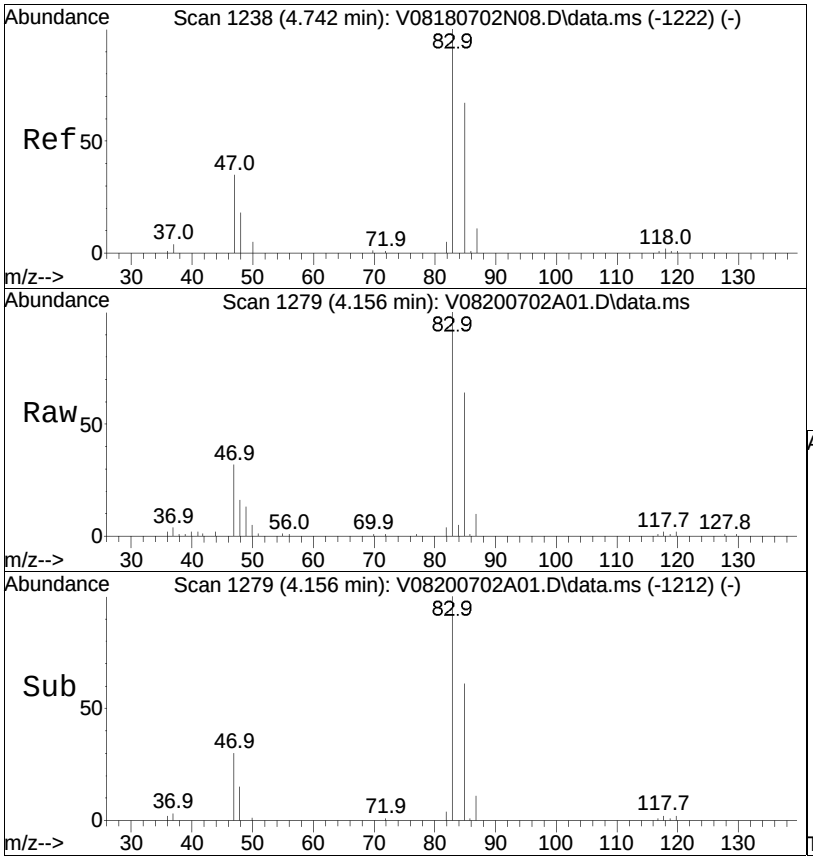


#31
Cyclohexane
Concen: 9.15 ug/L M1
RT: 3.964 min Scan# 1210
Delta R.T. -0.014 min
Lab File: V08200702A01.D
Acq: 2 Jul 2020 6:58 am

Tgt Ion: 56 Resp: 98481

Ion	Ratio	Lower	Upper
56	100		
84	60.3	38.4	79.8

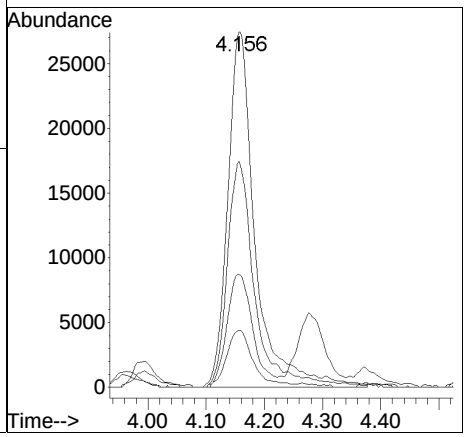


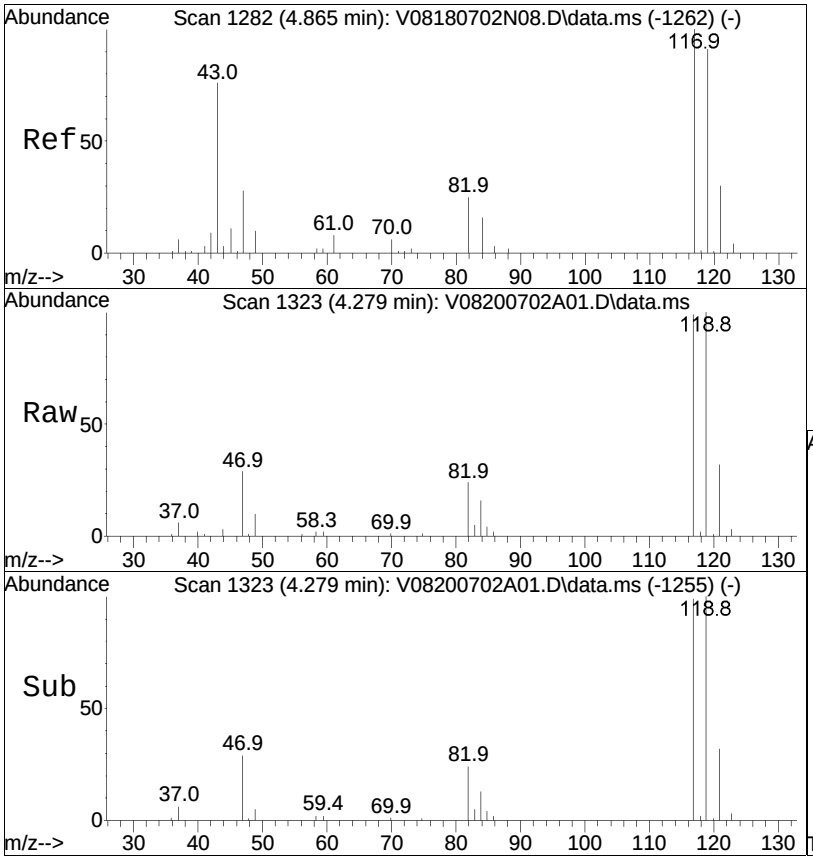


#32
Chloroform
Concen: 8.96 ug/L M1
RT: 4.156 min Scan# 1279
Delta R.T. -0.012 min
Lab File: V08200702A01.D
Acq: 2 Jul 2020 6:58 am

Tgt Ion: 83 Resp: 90747

Ion	Ratio	Lower	Upper
83	100		
85	59.0	41.5	86.1
47	29.9	19.0	39.4
48	15.6	9.9	20.5

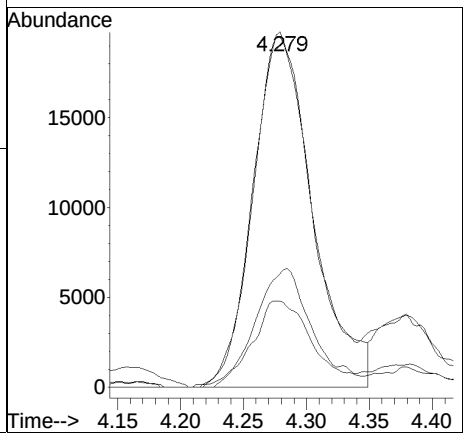


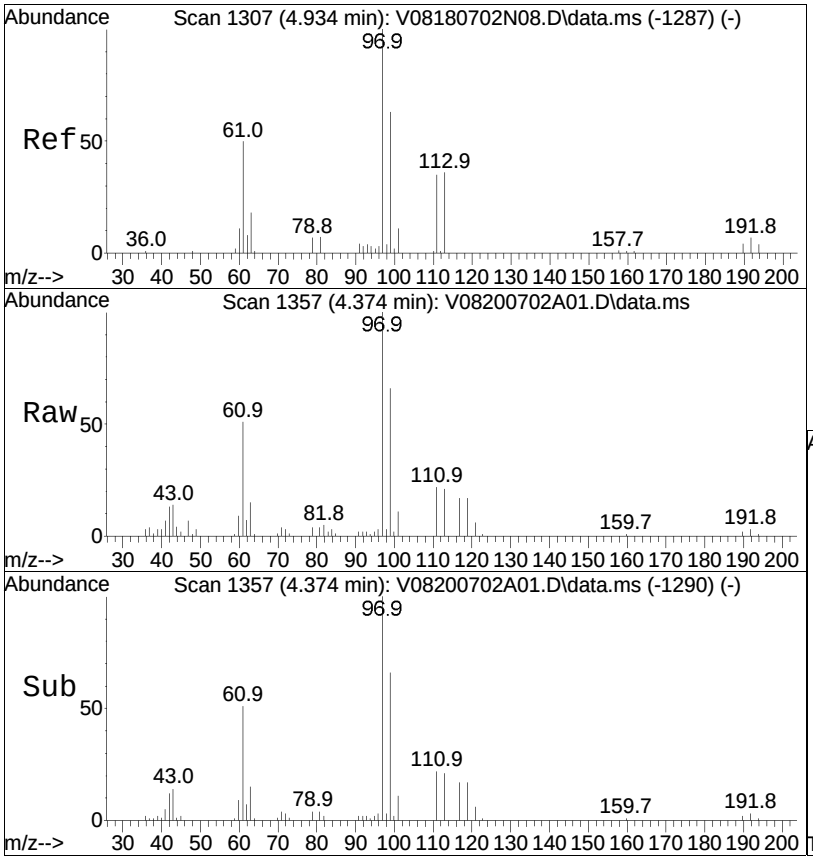


#34
Carbon tetrachloride
Concen: 9.24 ug/L
RT: 4.279 min Scan# 1323
Delta R.T. -0.011 min
Lab File: V08200702A01.D
Acq: 2 Jul 2020 6:58 am

Tgt Ion:117 Resp: 65073

Ion	Ratio	Lower	Upper
117	100		
119	97.5	62.4	129.6
121	31.7	19.5	40.5
82	25.3	17.0	35.4

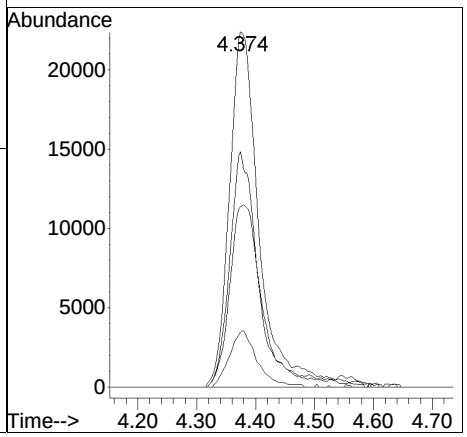


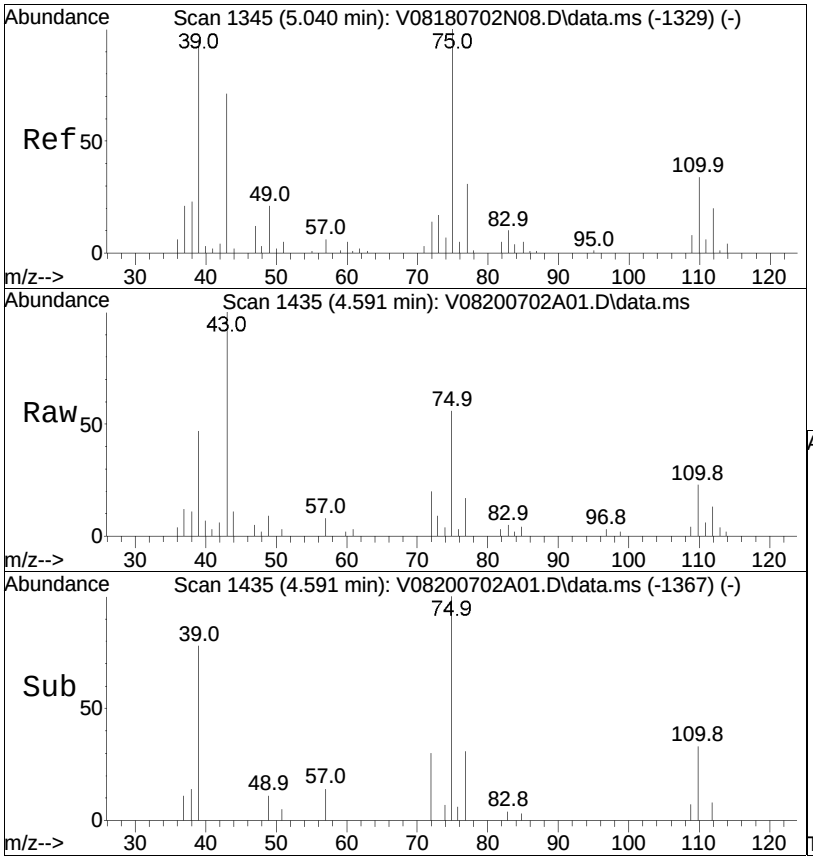


#37
1,1,1-Trichloroethane
Concen: 9.04 ug/L M1
RT: 4.374 min Scan# 1357
Delta R.T. -0.014 min
Lab File: V08200702A01.D
Acq: 2 Jul 2020 6:58 am

Tgt Ion: 97 Resp: 80246

Ion	Ratio	Lower	Upper
97	100		
99	61.0	40.7	84.5
61	54.5	35.4	73.4
63	14.7	5.0	10.4#

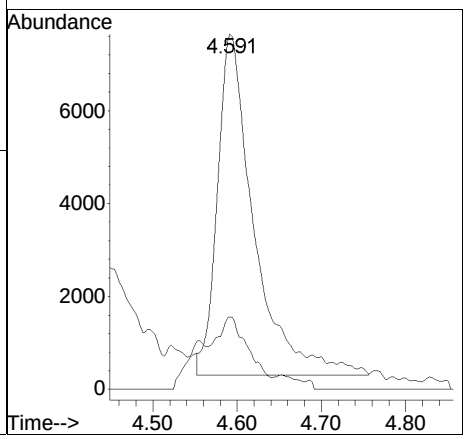


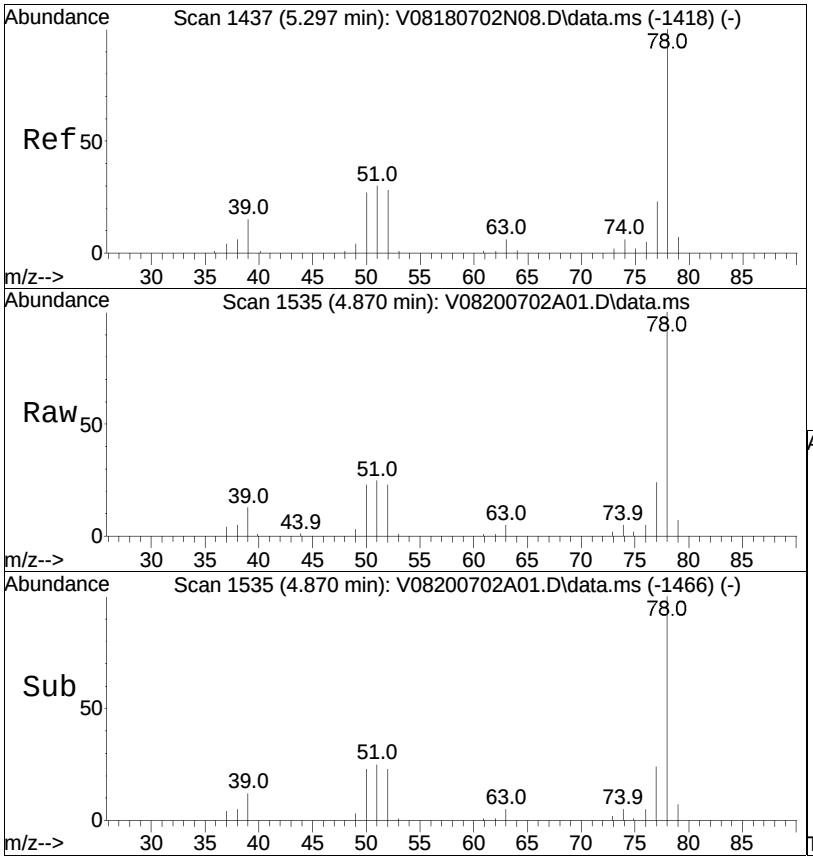


#39
2-Butanone
Concen: 8.77 ug/L M1
RT: 4.591 min Scan# 1435
Delta R.T. -0.012 min
Lab File: V08200702A01.D
Acq: 2 Jul 2020 6:58 am

Tgt Ion: 43 Resp: 22200

Ion	Ratio	Lower	Upper
43	100		
72	10.8	10.9	16.3#

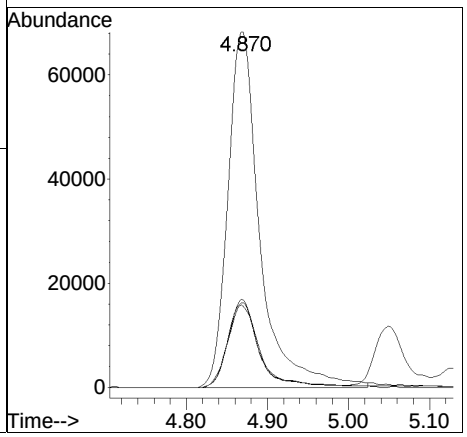


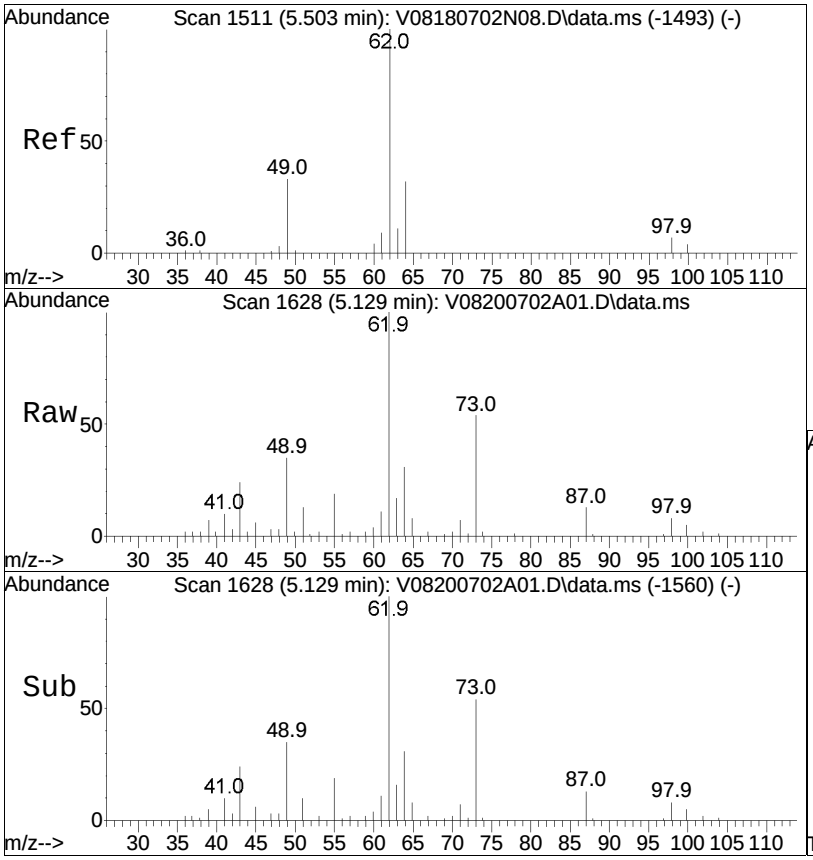


#41
Benzene
Concen: 9.01 ug/L
RT: 4.870 min Scan# 1535
Delta R.T. -0.009 min
Lab File: V08200702A01.D
Acq: 2 Jul 2020 6:58 am

Tgt Ion: 78 Resp: 188458

Ion	Ratio	Lower	Upper
78	100		
77	21.8	15.7	32.7
51	23.6	16.0	33.2
52	22.4	15.3	31.9

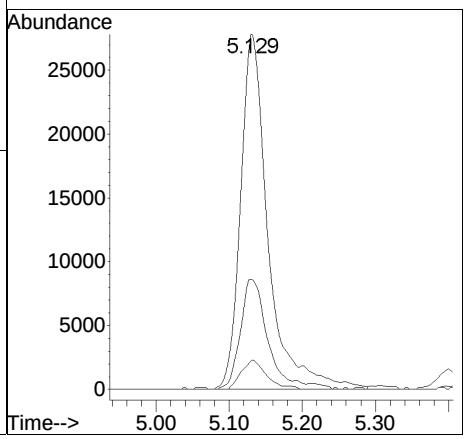


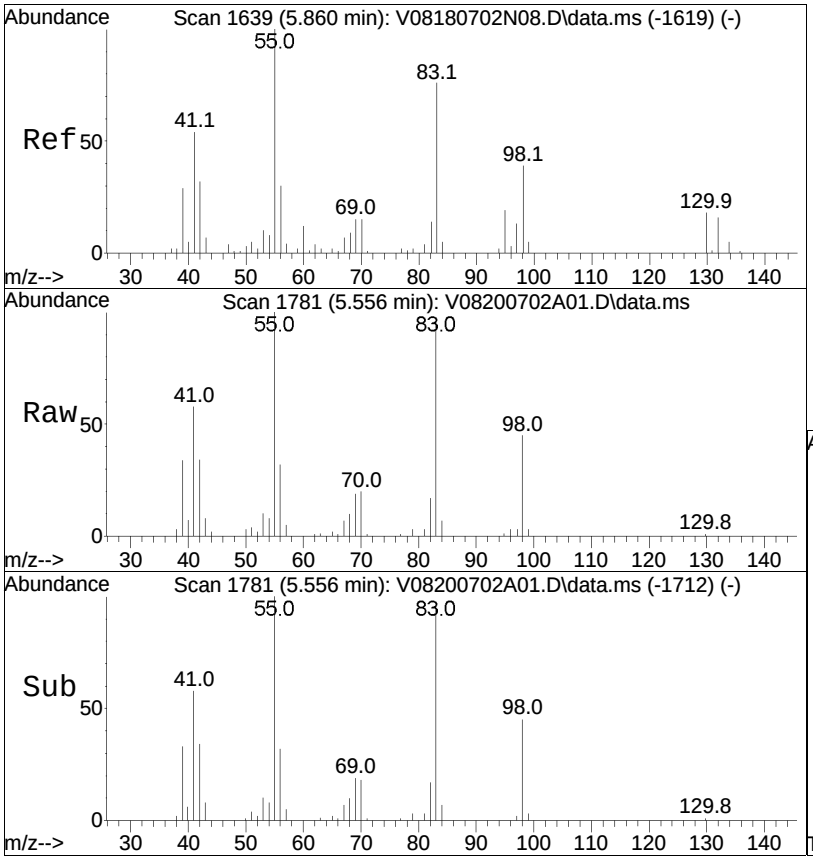


#44
1,2-Dichloroethane
Concen: 9.46 ug/L M1
RT: 5.129 min Scan# 1628
Delta R.T. -0.012 min
Lab File: V08200702A01.D
Acq: 2 Jul 2020 6:58 am

Tgt Ion: 62 Resp: 73230

Ion	Ratio	Lower	Upper
62	100		
64	29.3	11.2	51.2
98	7.3	0.0	26.1

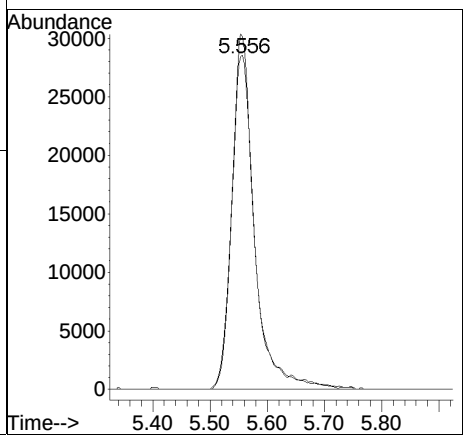


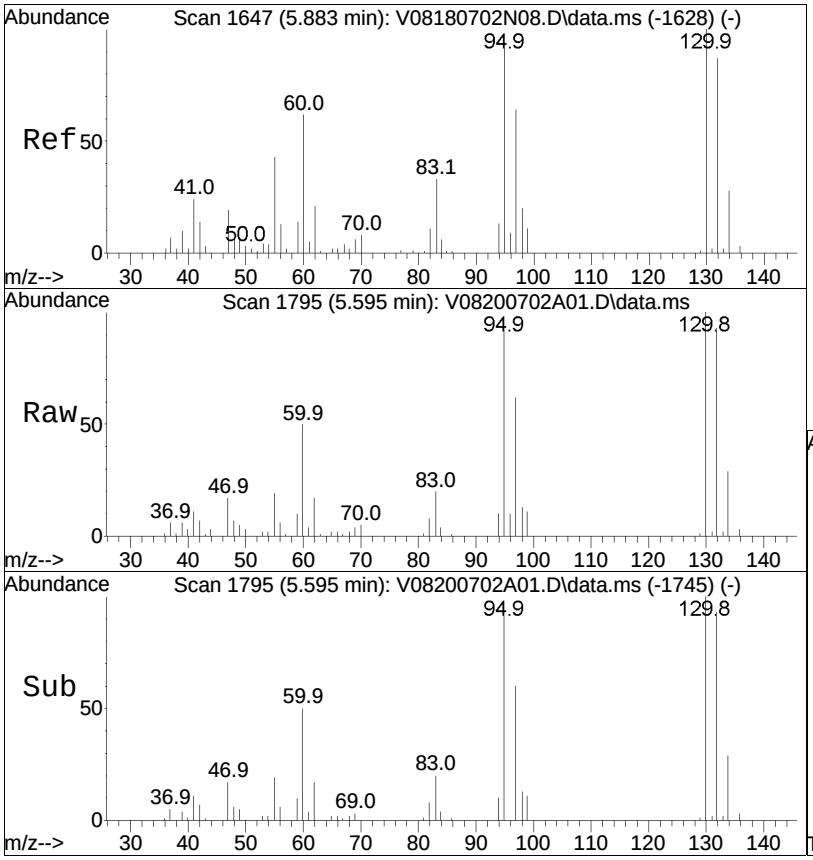


#47
Methyl cyclohexane
Concen: 8.78 ug/L M1
RT: 5.556 min Scan# 1781
Delta R.T. -0.009 min
Lab File: V08200702A01.D
Acq: 2 Jul 2020 6:58 am

Tgt Ion: 83 Resp: 81020

Ion	Ratio	Lower	Upper
83	100		
55	98.3	88.3	132.5

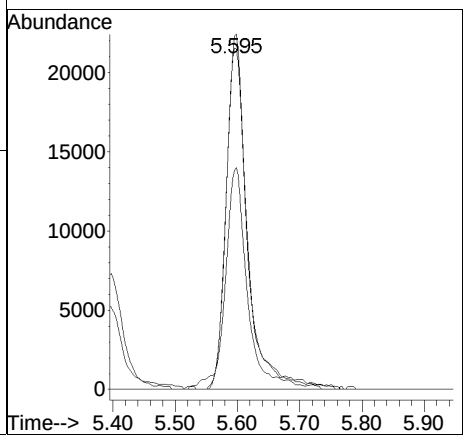


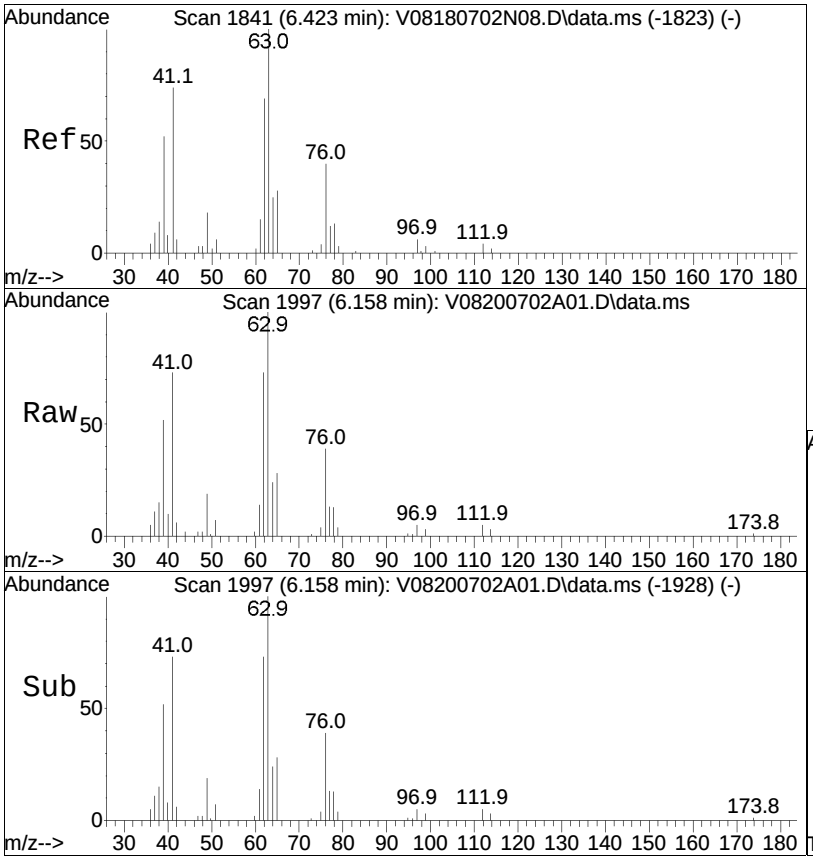


#48
Trichloroethene
Concen: 8.40 ug/L M1
RT: 5.595 min Scan# 1795
Delta R.T. -0.011 min
Lab File: V08200702A01.D
Acq: 2 Jul 2020 6:58 am

Tgt Ion: 95 Resp: 52671

Ion	Ratio	Lower	Upper
95	100		
97	62.7	55.5	83.3
130	97.9	76.6	115.0

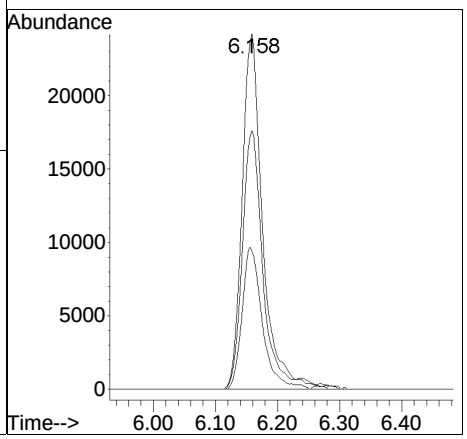


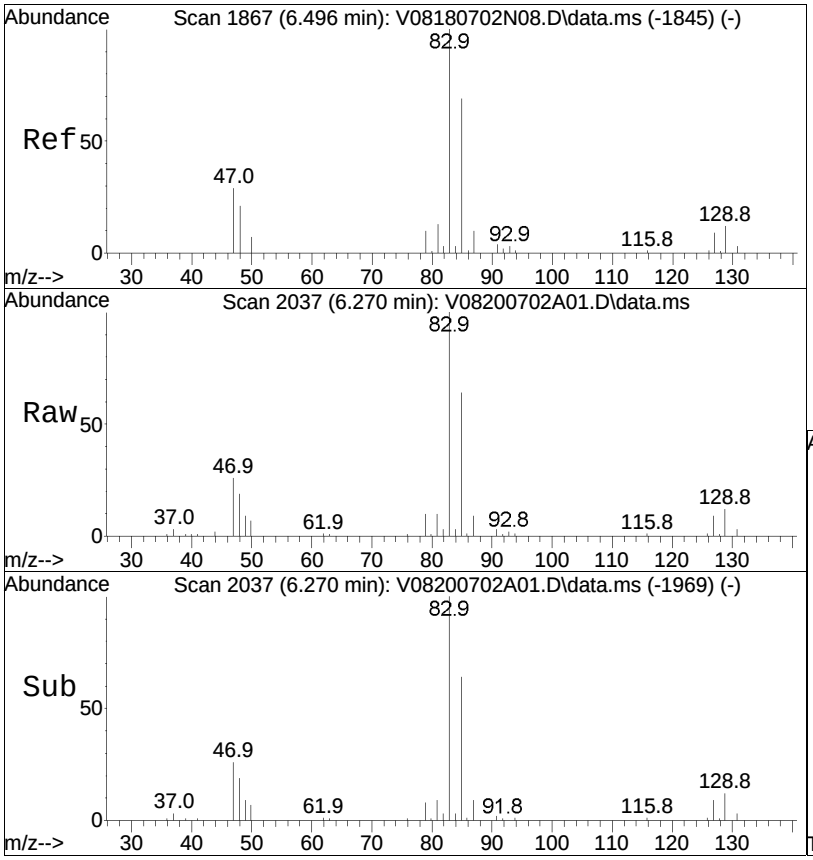


#51
1,2-Dichloropropane
Concen: 8.91 ug/L M1
RT: 6.158 min Scan# 1997
Delta R.T. -0.009 min
Lab File: V08200702A01.D
Acq: 2 Jul 2020 6:58 am

Tgt Ion: 63 Resp: 56111

Ion	Ratio	Lower	Upper
63	100		
62	72.9	58.6	87.8
76	38.8	38.0	57.0

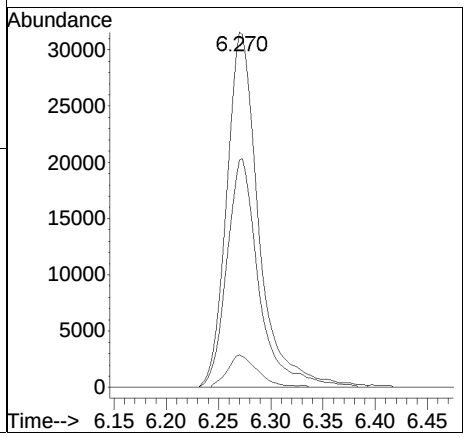


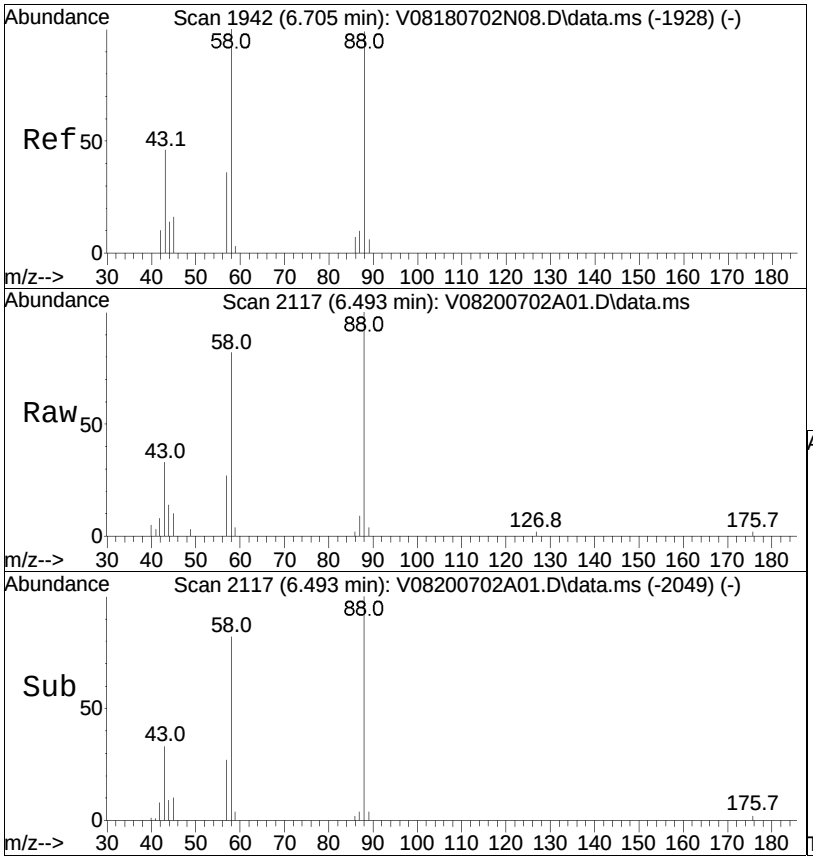


#54
Bromodichloromethane
Concen: 8.34 ug/L
RT: 6.270 min Scan# 2037
Delta R.T. -0.009 min
Lab File: V08200702A01.D
Acq: 2 Jul 2020 6:58 am

Tgt Ion: 83 Resp: 67880

Ion	Ratio	Lower	Upper
83	100		
85	64.4	52.3	78.5
127	8.6	6.2	9.4

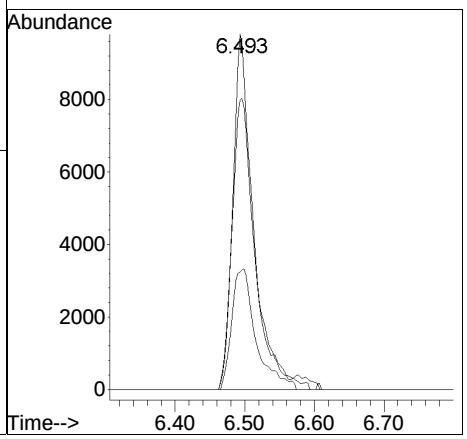


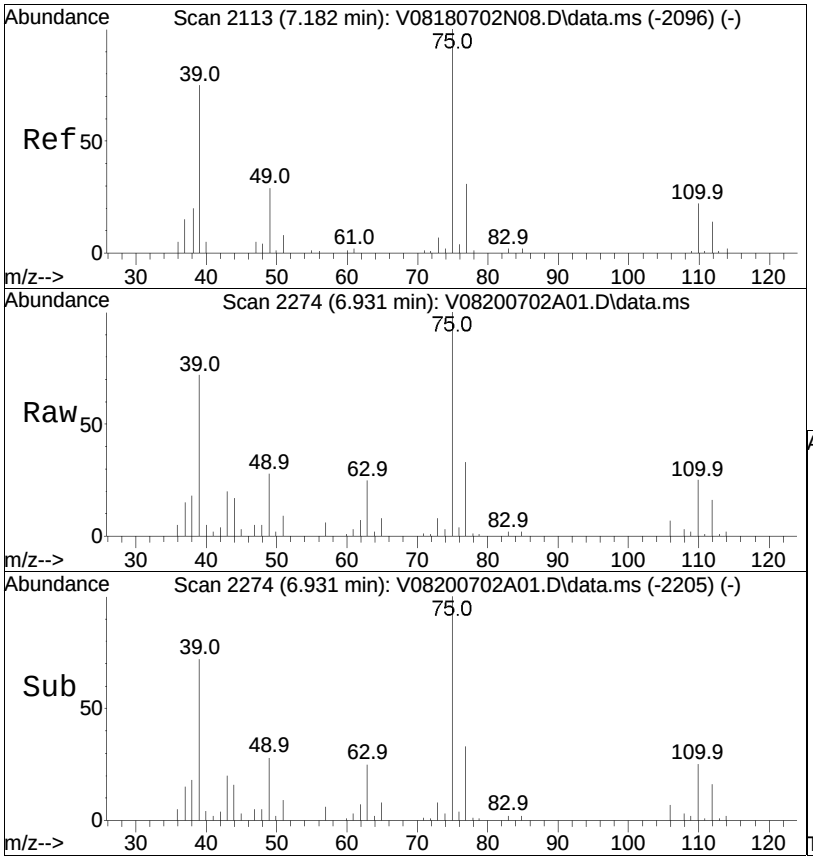


#57
1,4-Dioxane
Concen: 491.77 ug/L M1
RT: 6.493 min Scan# 2117
Delta R.T. -0.011 min
Lab File: V08200702A01.D
Acq: 2 Jul 2020 6:58 am

Tgt Ion: 88 Resp: 20703

Ion	Ratio	Lower	Upper
88	100		
58	88.1	76.7	115.1
43	38.9	36.2	54.2

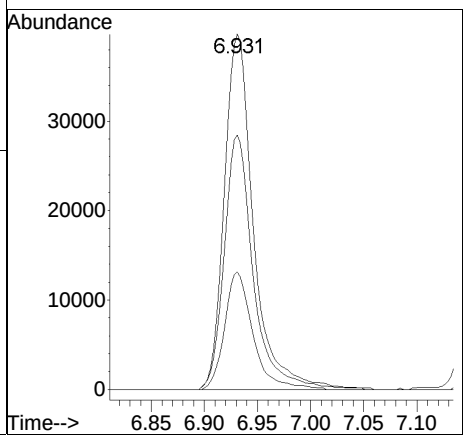


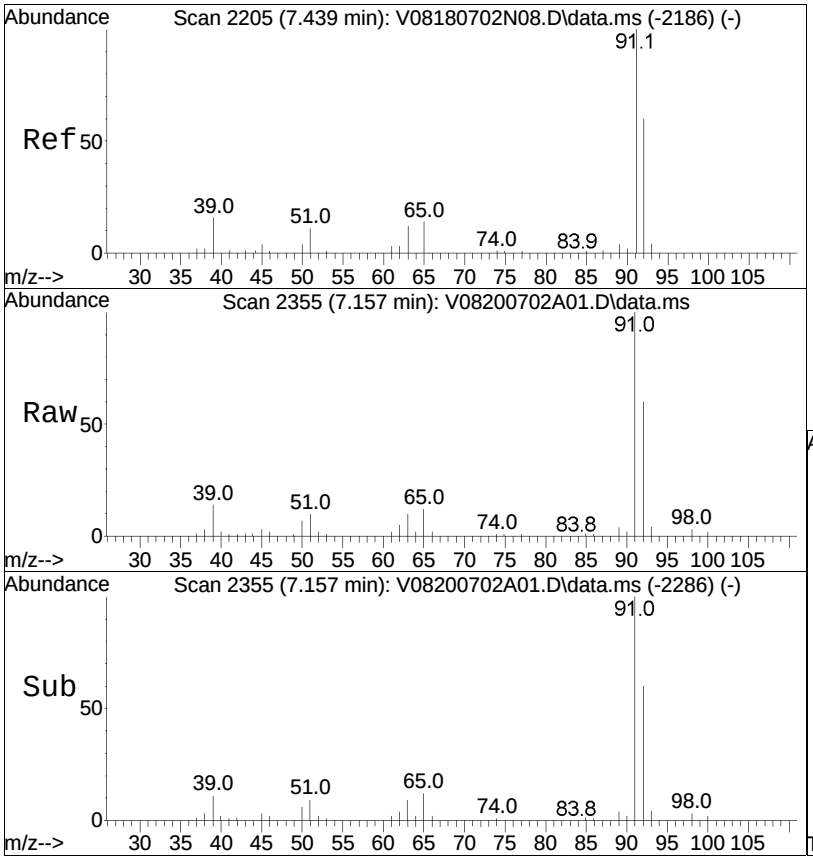


#58
cis-1,3-Dichloropropene
Concen: 8.37 ug/L
RT: 6.931 min Scan# 2274
Delta R.T. -0.008 min
Lab File: V08200702A01.D
Acq: 2 Jul 2020 6:58 am

Tgt Ion: 75 Resp: 76005

Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.0	37.4
39	71.4	50.1	75.1

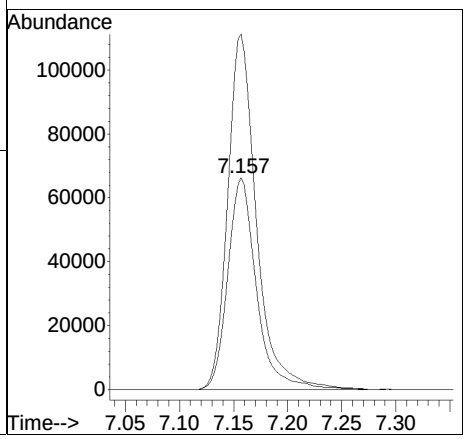


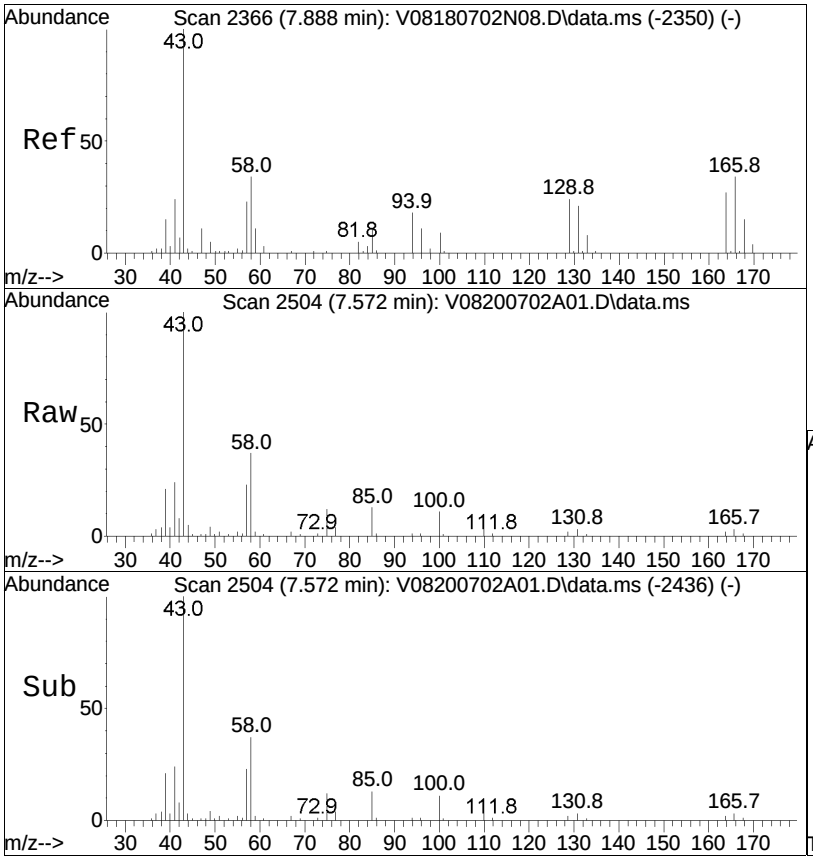


#61
Toluene
Concen: 9.96 ug/L
RT: 7.157 min Scan# 2355
Delta R.T. -0.008 min
Lab File: V08200702A01.D
Acq: 2 Jul 2020 6:58 am

Tgt Ion: 92 Resp: 122462

Ion	Ratio	Lower	Upper
92	100		
91	167.6	139.8	209.6

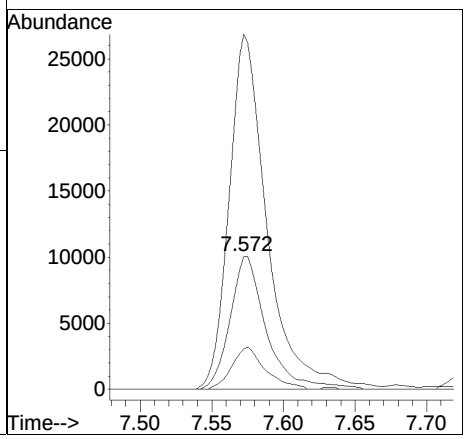


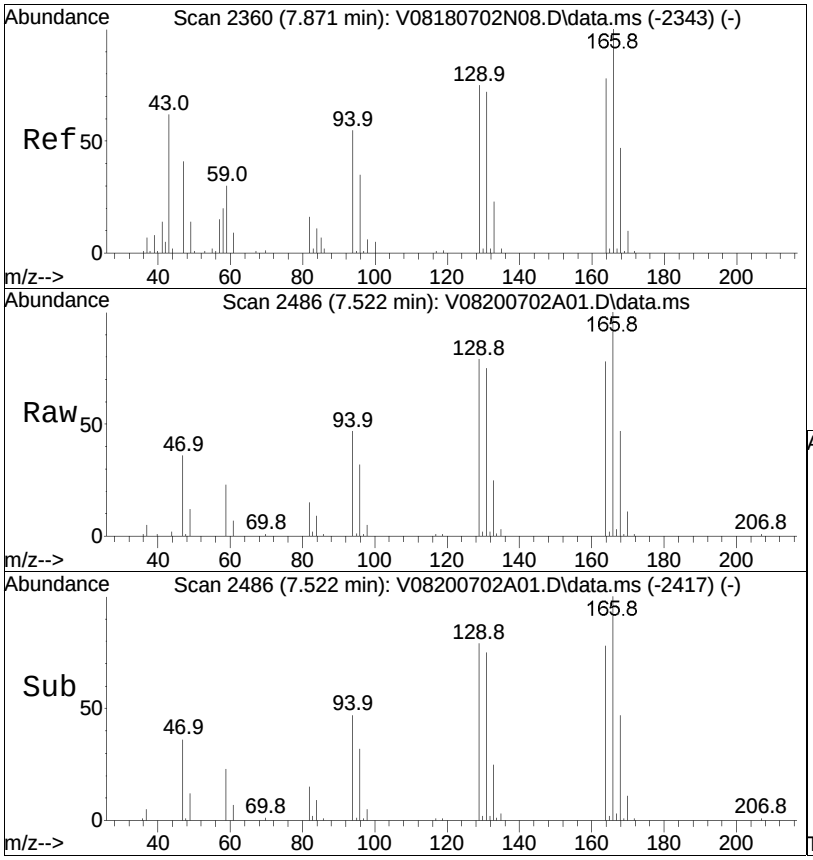


#62
4-Methyl-2-pentanone
Concen: 8.11 ug/L
RT: 7.572 min Scan# 2504
Delta R.T. -0.012 min
Lab File: V08200702A01.D
Acq: 2 Jul 2020 6:58 am

Tgt Ion: 58 Resp: 17838

Ion	Ratio	Lower	Upper
58	100		
100	29.4	20.2	30.2
43	278.3	196.6	295.0

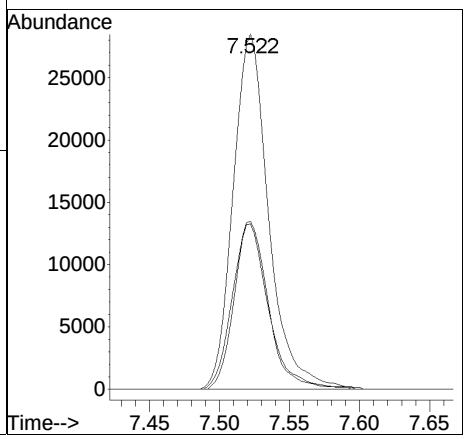


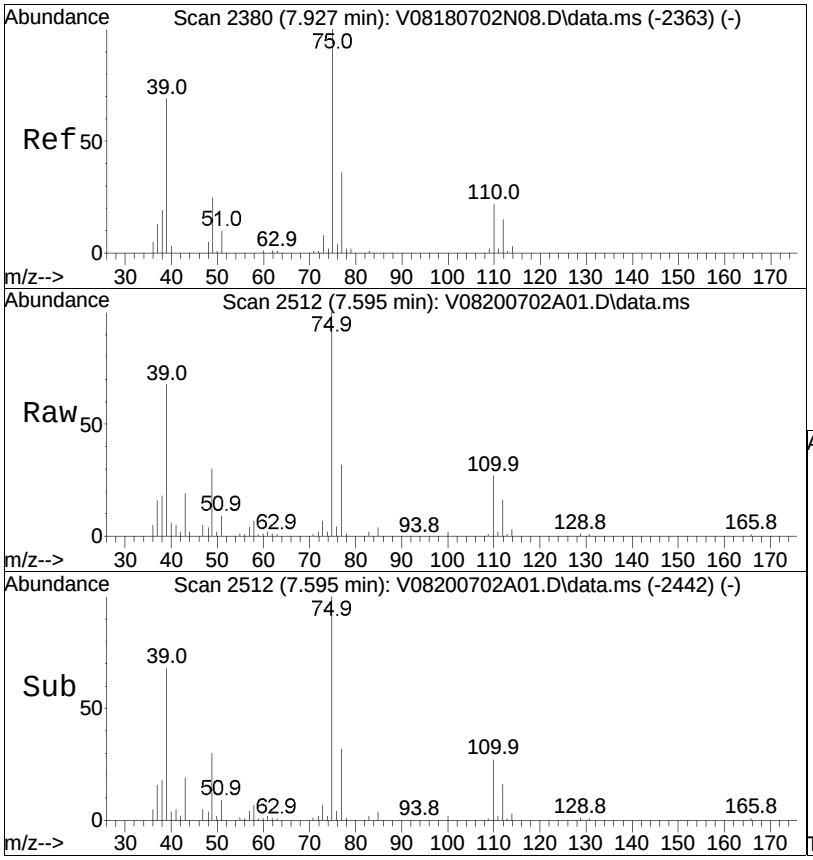


#63
Tetrachloroethene
Concen: 9.88 ug/L
RT: 7.522 min Scan# 2486
Delta R.T. -0.009 min
Lab File: V08200702A01.D
Acq: 2 Jul 2020 6:58 am

Tgt Ion:166 Resp: 50475

Ion	Ratio	Lower	Upper
166	100		
168	45.3	28.2	68.2
94	47.7	38.4	78.4

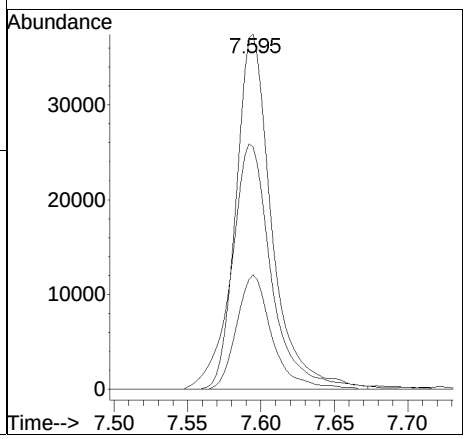


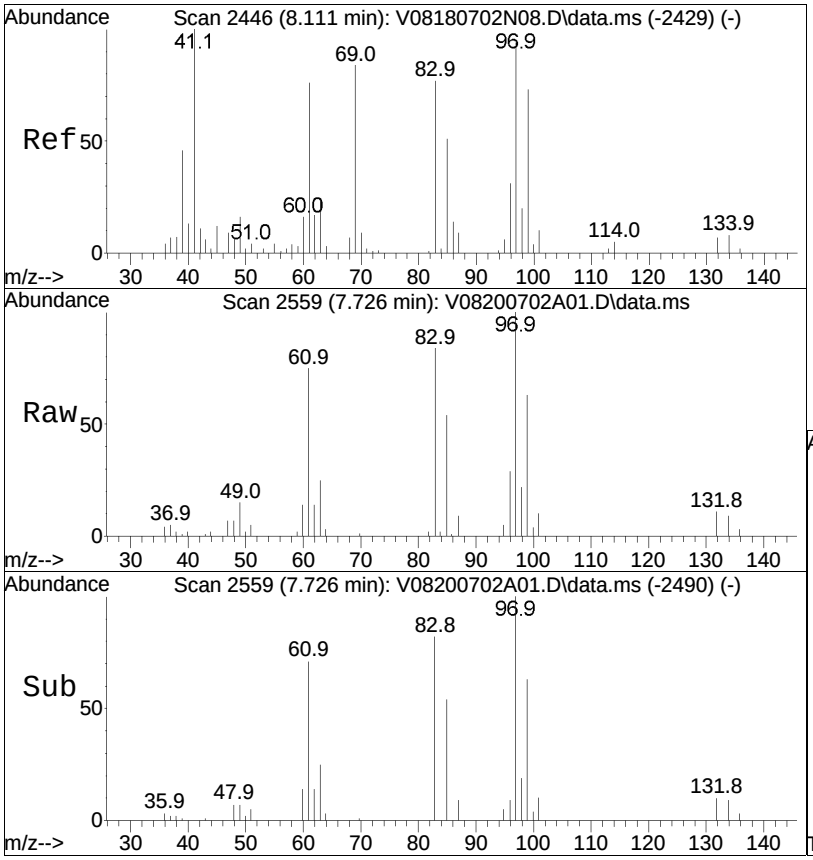


#65
trans-1,3-Dichloropropene
Concen: 8.85 ug/L
RT: 7.595 min Scan# 2512
Delta R.T. -0.005 min
Lab File: V08200702A01.D
Acq: 2 Jul 2020 6:58 am

Tgt Ion: 75 Resp: 63326

Ion	Ratio	Lower	Upper
75	100		
77	32.3	12.4	52.4
39	78.6	42.8	82.8

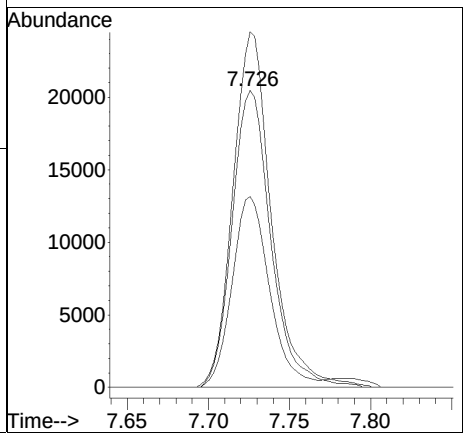


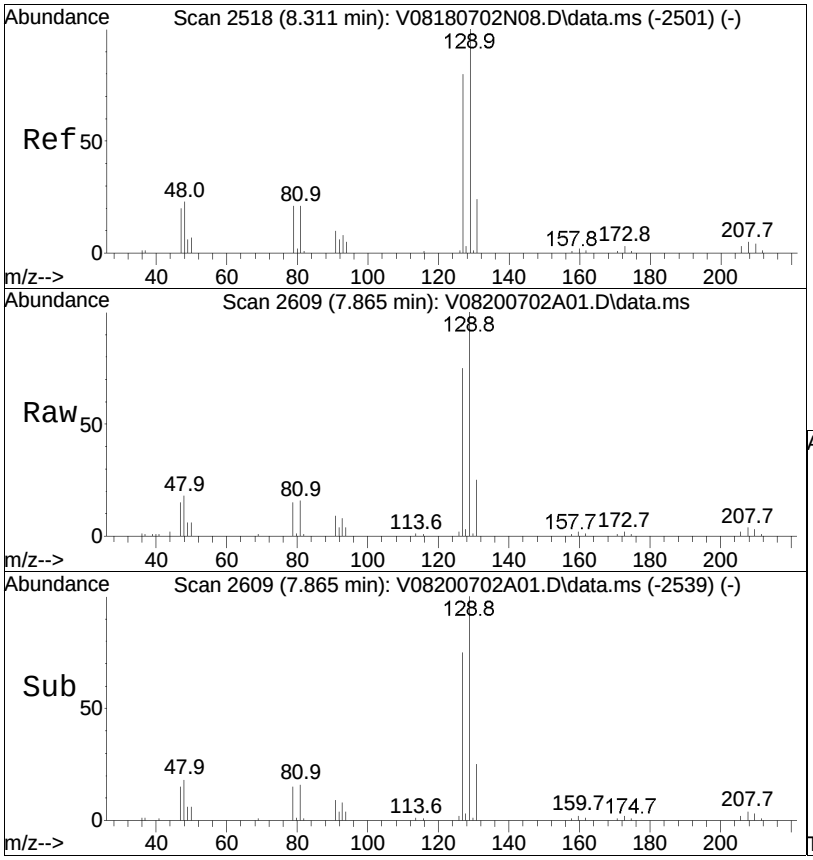


#68
1,1,2-Trichloroethane
Concen: 9.28 ug/L
RT: 7.726 min Scan# 2559
Delta R.T. -0.008 min
Lab File: V08200702A01.D
Acq: 2 Jul 2020 6:58 am

Tgt Ion: 83 Resp: 34200

Ion	Ratio	Lower	Upper
83	100		
97	118.6	89.8	129.8
85	62.3	44.4	84.4

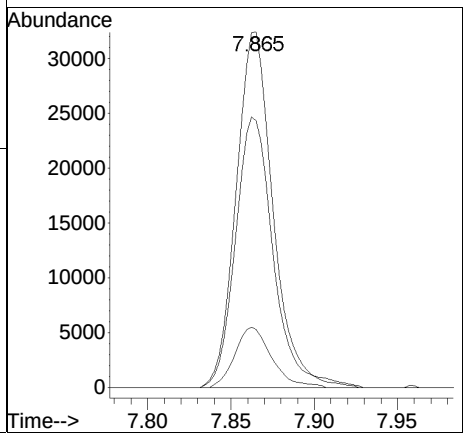


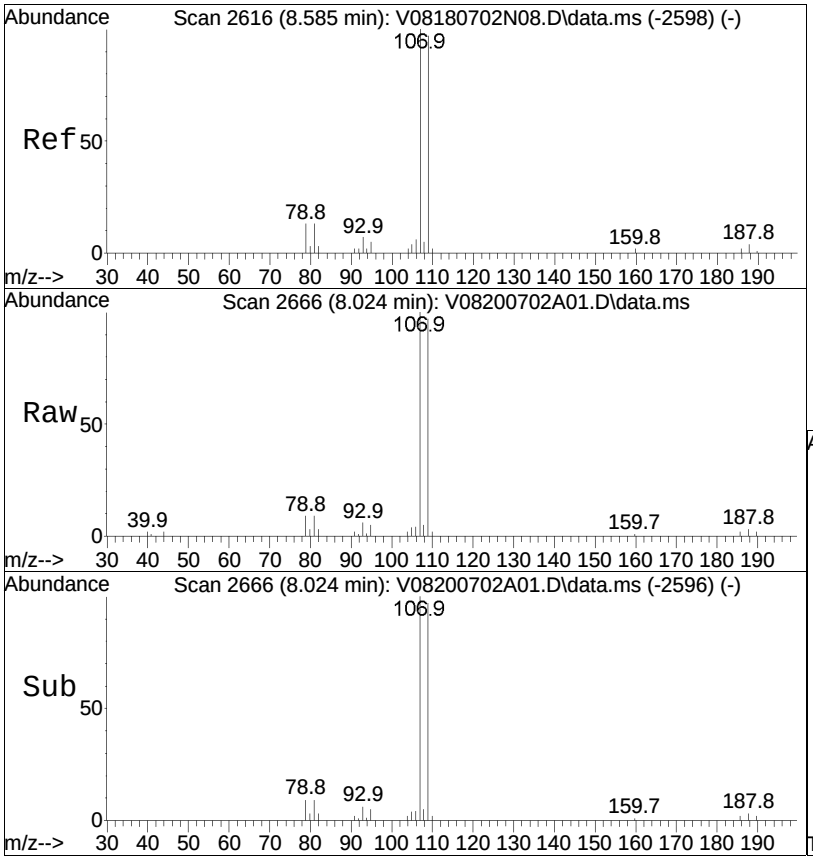


#69
Chlorodibromomethane
Concen: 9.24 ug/L
RT: 7.865 min Scan# 2609
Delta R.T. -0.006 min
Lab File: V08200702A01.D
Acq: 2 Jul 2020 6:58 am

Tgt Ion:129 Resp: 50205

Ion	Ratio	Lower	Upper
129	100		
81	16.7	2.9	42.9
127	77.0	57.8	97.8

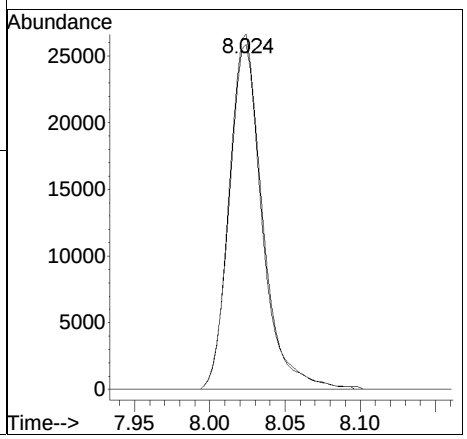


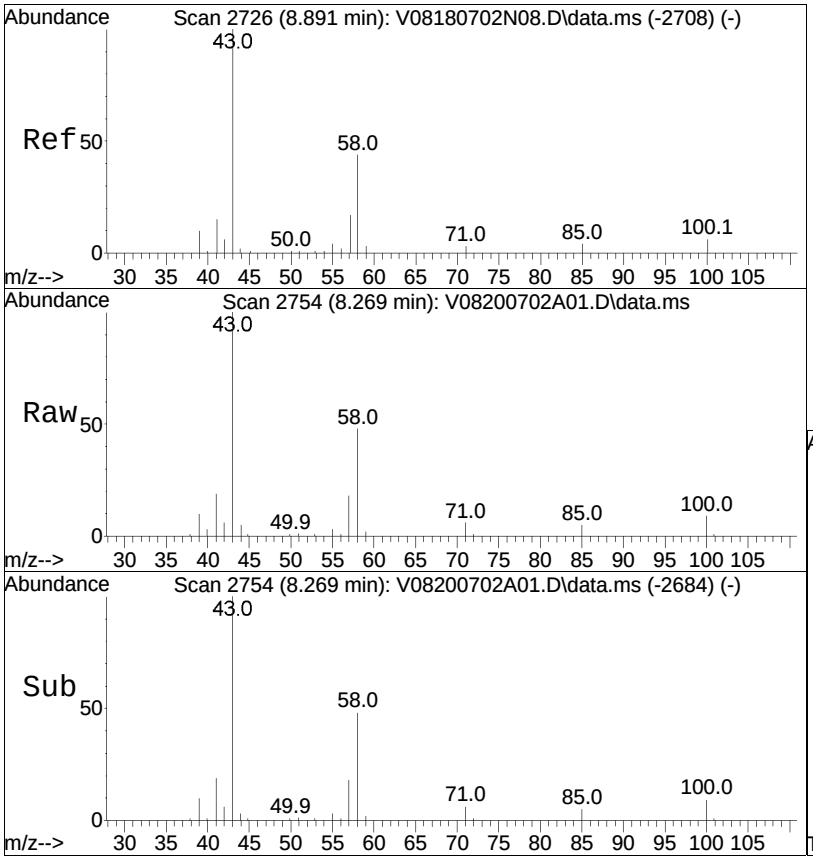


#71
1,2-Dibromoethane
Concen: 9.32 ug/L
RT: 8.024 min Scan# 2666
Delta R.T. -0.006 min
Lab File: V08200702A01.D
Acq: 2 Jul 2020 6:58 am

Tgt Ion:107 Resp: 41139

Ion	Ratio	Lower	Upper
107	100		
109	96.5	74.3	111.5

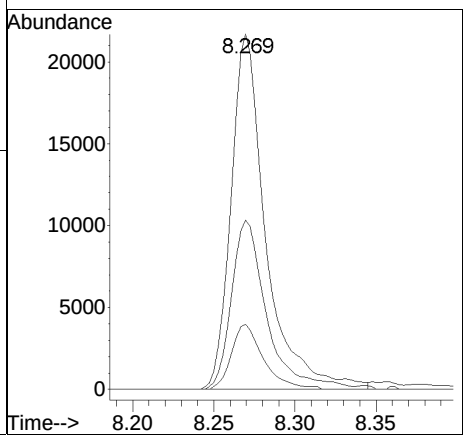


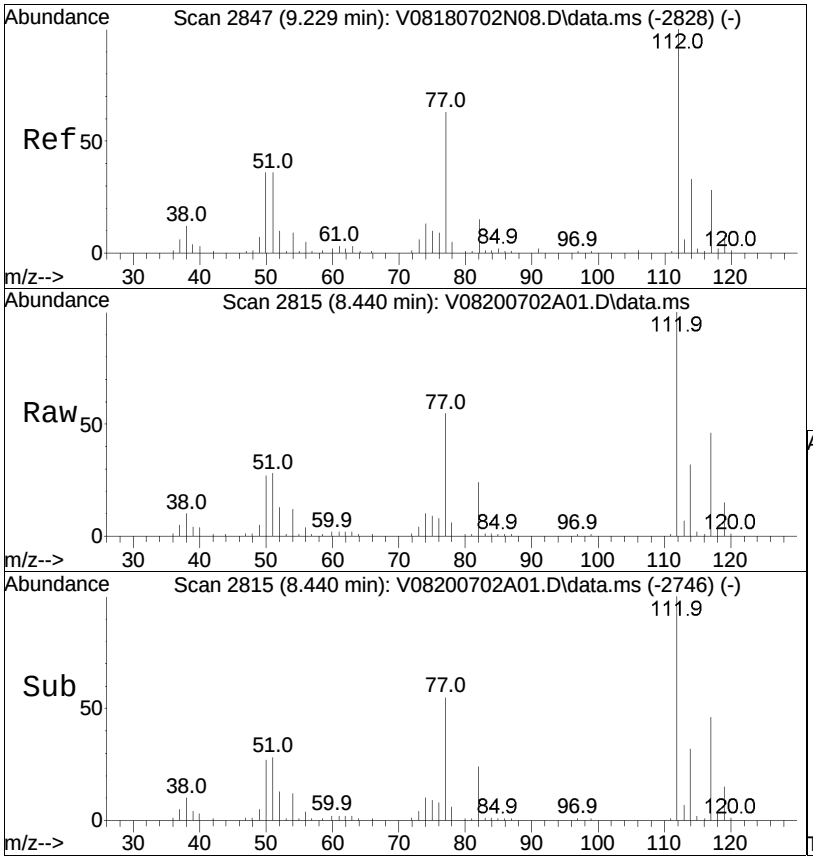


#72
2-Hexanone
Concen: 8.39 ug/L
RT: 8.269 min Scan# 2754
Delta R.T. -0.006 min
Lab File: V08200702A01.D
Acq: 2 Jul 2020 6:58 am

Tgt Ion: 43 Resp: 32412

Ion	Ratio	Lower	Upper
43	100		
58	48.2	41.2	61.8
57	16.9	17.2	25.8#

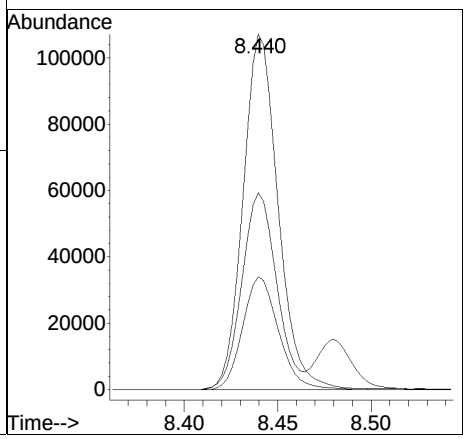


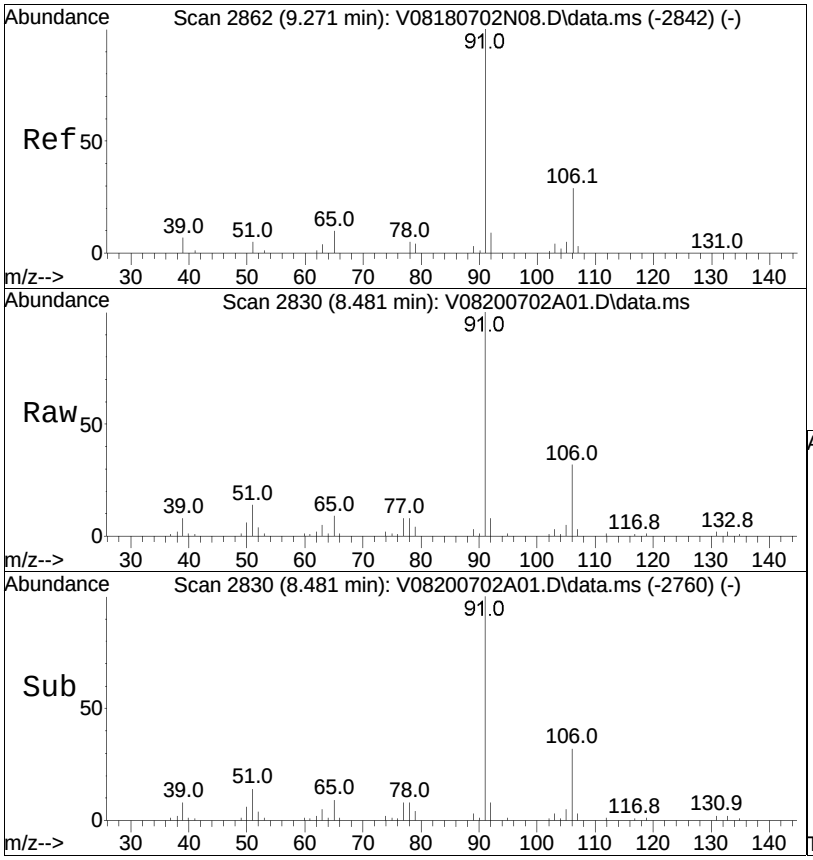


#73
Chlorobenzene
Concen: 10.07 ug/L
RT: 8.440 min Scan# 2815
Delta R.T. -0.008 min
Lab File: V08200702A01.D
Acq: 2 Jul 2020 6:58 am

Tgt Ion:112 Resp: 139380

Ion	Ratio	Lower	Upper
112	100		
77	55.6	55.4	83.0
114	32.4	25.4	38.2

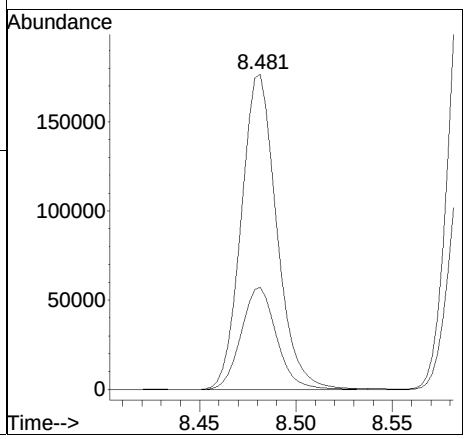


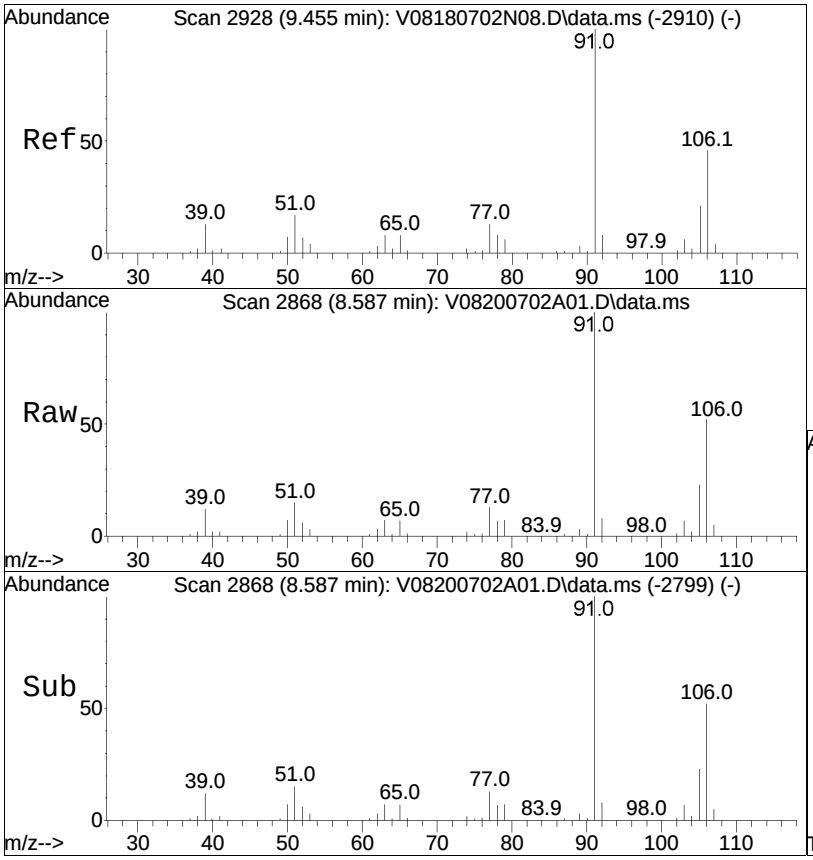


#74
Ethylbenzene
Concen: 10.02 ug/L
RT: 8.481 min Scan# 2830
Delta R.T. -0.006 min
Lab File: V08200702A01.D
Acq: 2 Jul 2020 6:58 am

Tgt Ion: 91 Resp: 225914

Ion	Ratio	Lower	Upper
91	100		
106	32.2	24.3	36.5

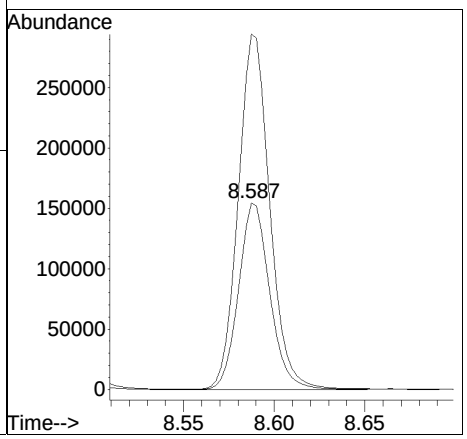


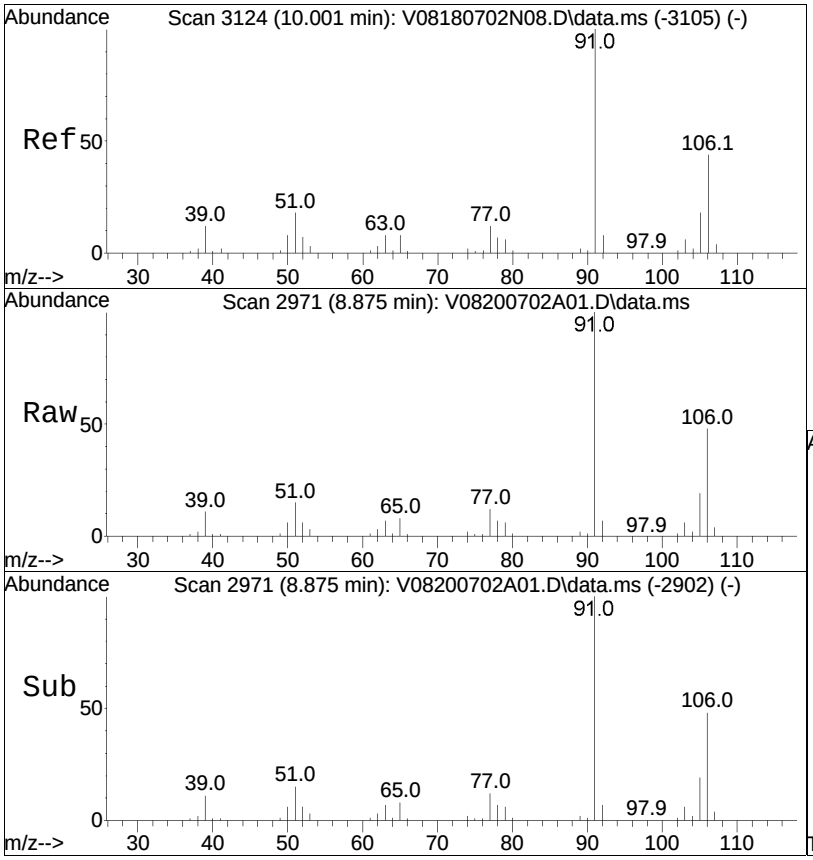


#76
p/m Xylene
Concen: 20.39 ug/L
RT: 8.587 min Scan# 2868
Delta R.T. -0.009 min
Lab File: V08200702A01.D
Acq: 2 Jul 2020 6:58 am

Tgt Ion:106 Resp: 184616

Ion	Ratio	Lower	Upper
106	100		
91	191.6	166.4	249.6

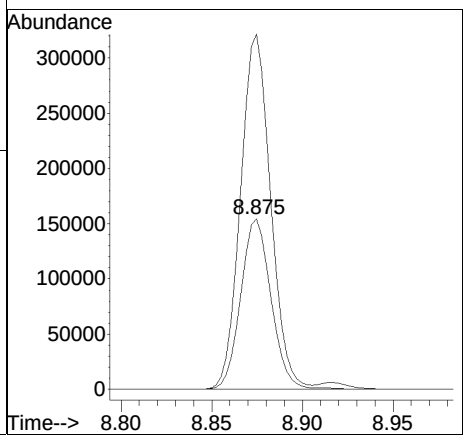


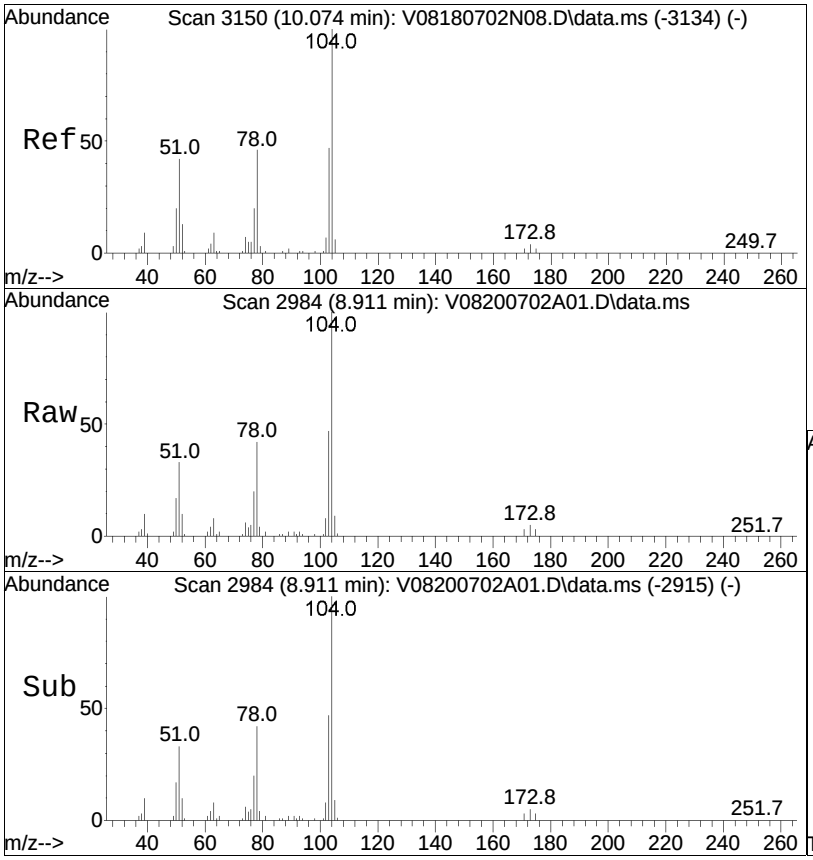


#77
o Xylene
Concen: 20.39 ug/L
RT: 8.875 min Scan# 2971
Delta R.T. -0.008 min
Lab File: V08200702A01.D
Acq: 2 Jul 2020 6:58 am

Tgt Ion:106 Resp: 180104

Ion	Ratio	Lower	Upper
106	100		
91	206.1	182.6	273.8

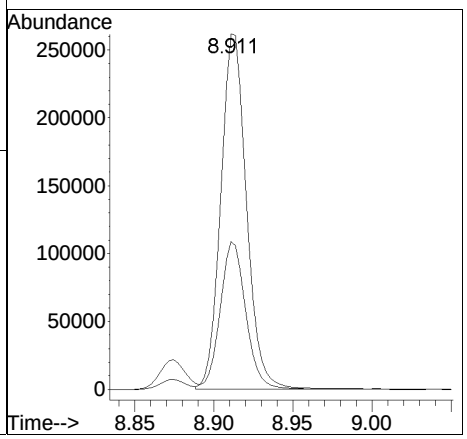


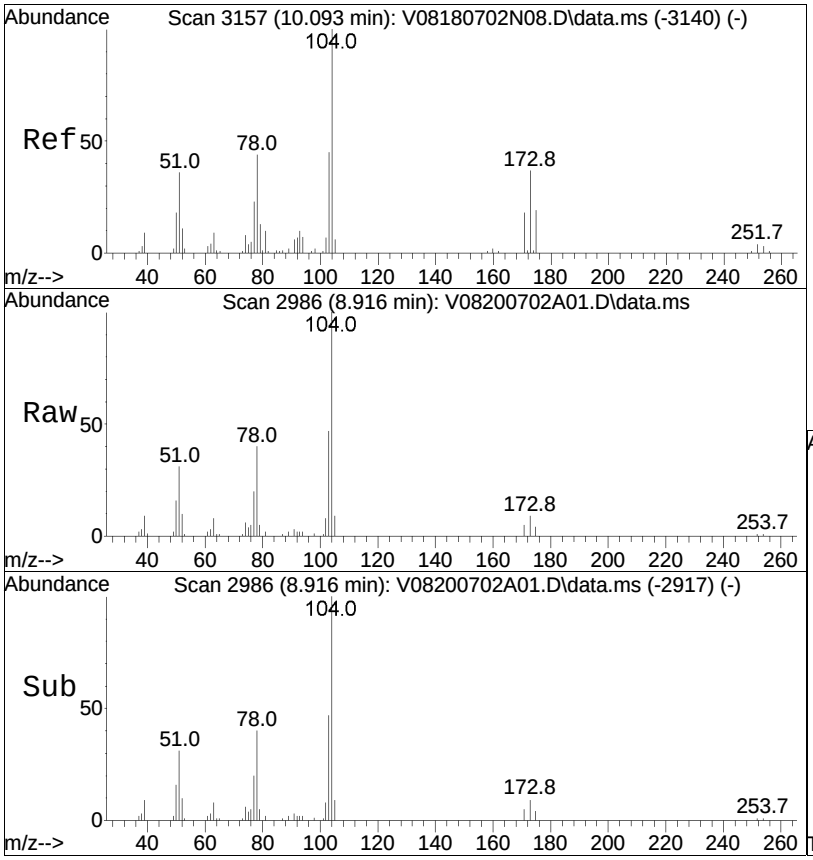


#78
Styrene
Concen: 20.27 ug/L
RT: 8.911 min Scan# 2984
Delta R.T. -0.008 min
Lab File: V08200702A01.D
Acq: 2 Jul 2020 6:58 am

Tgt Ion:104 Resp: 295334

Ion	Ratio	Lower	Upper
104	100		
78	41.2	39.8	59.6

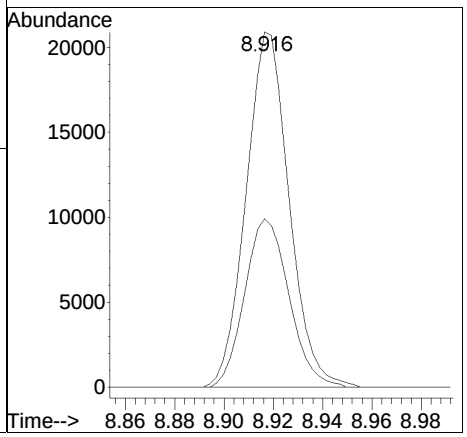


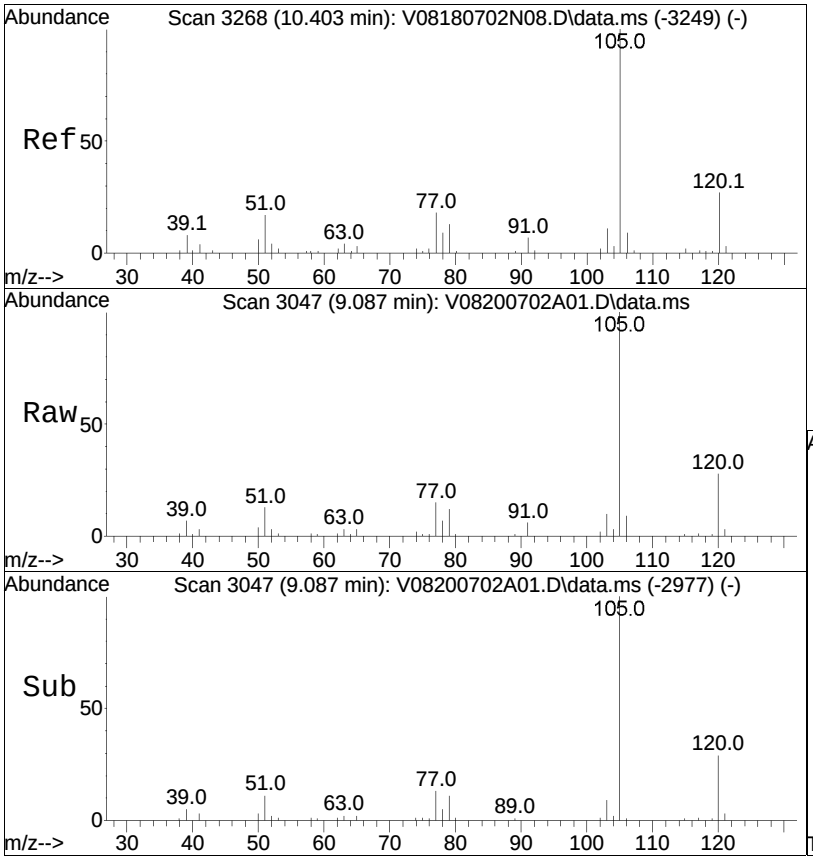


#80
Bromoform
Concen: 8.88 ug/L
RT: 8.916 min Scan# 2986
Delta R.T. -0.009 min
Lab File: V08200702A01.D
Acq: 2 Jul 2020 6:58 am

Tgt Ion:173 Resp: 25408

Ion	Ratio	Lower	Upper
173	100		
175	48.8	31.5	71.5

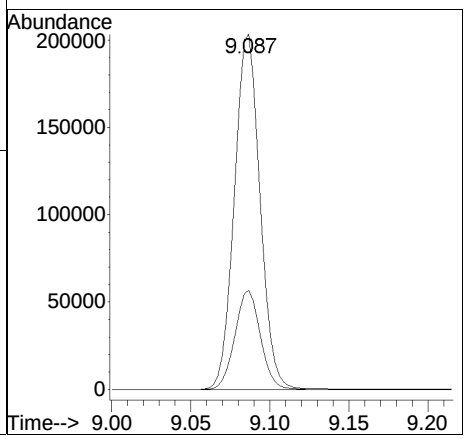


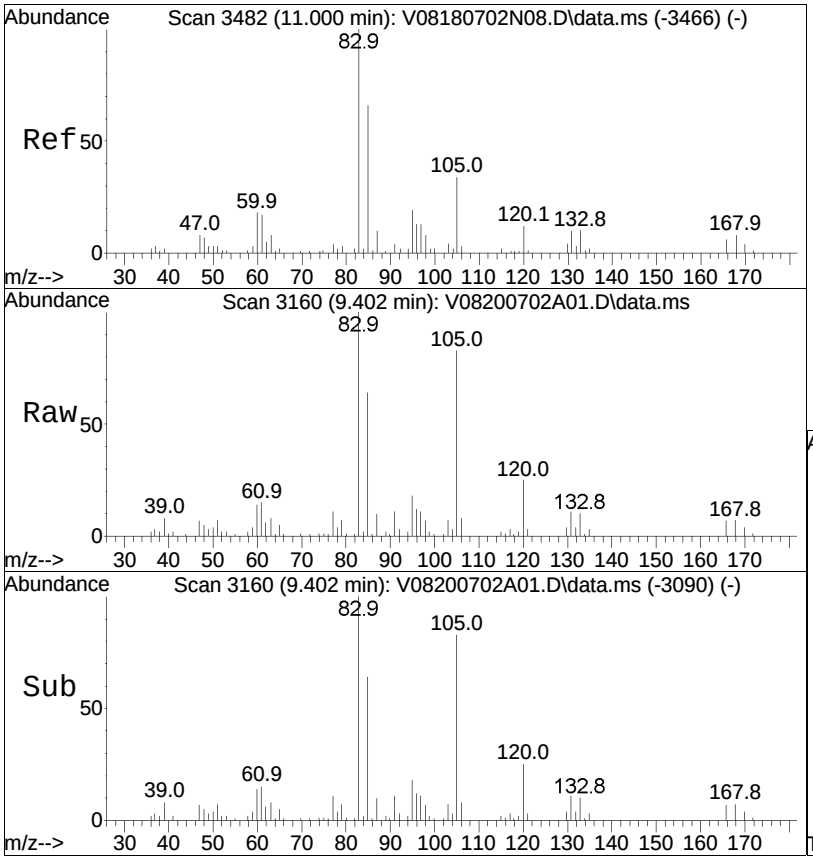


#82
Isopropylbenzene
Concen: 10.44 ug/L
RT: 9.087 min Scan# 3047
Delta R.T. -0.005 min
Lab File: V08200702A01.D
Acq: 2 Jul 2020 6:58 am

Tgt Ion:105 Resp: 229601

Ion	Ratio	Lower	Upper
105	100		
120	27.7	4.8	44.8

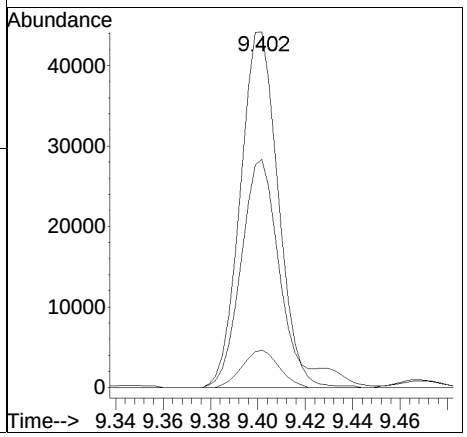


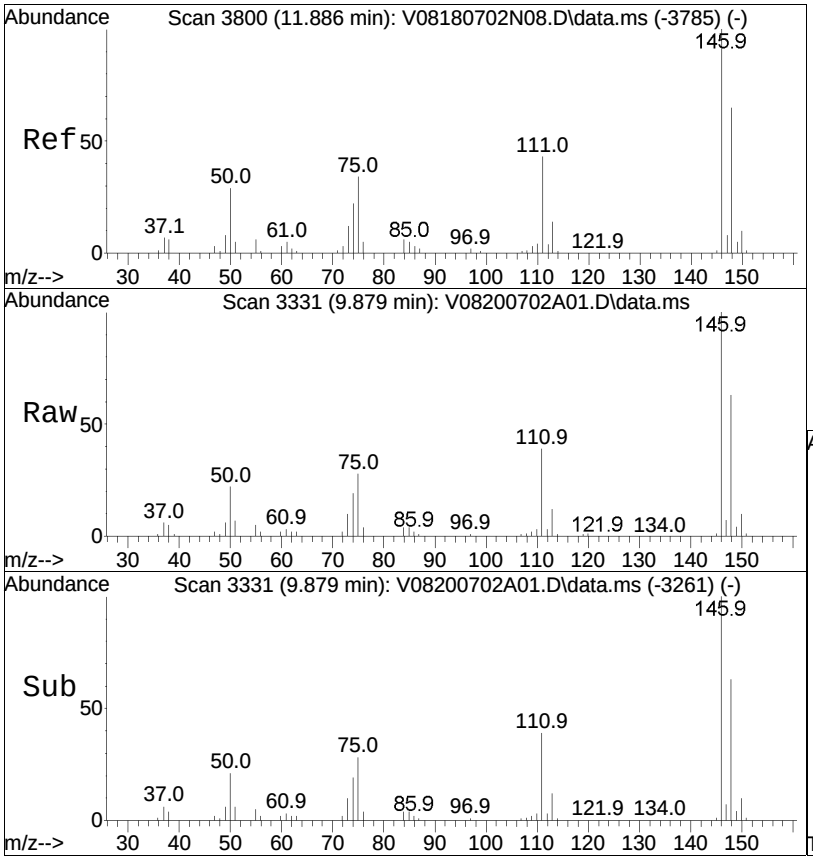


#87
1,1,2,2-Tetrachloroethane
Concen: 9.19 ug/L
RT: 9.402 min Scan# 3160
Delta R.T. -0.005 min
Lab File: V08200702A01.D
Acq: 2 Jul 2020 6:58 am

Tgt Ion: 83 Resp: 49019

Ion	Ratio	Lower	Upper
83	100		
131	10.1	0.0	30.4
85	64.9	45.4	85.4

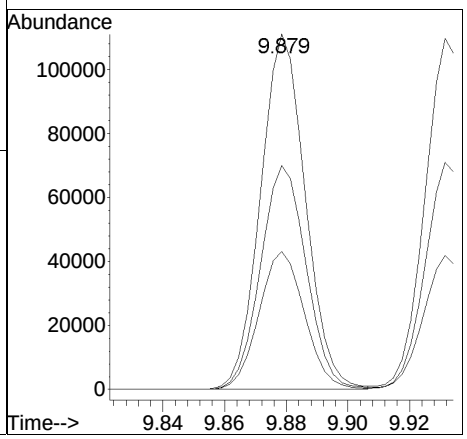


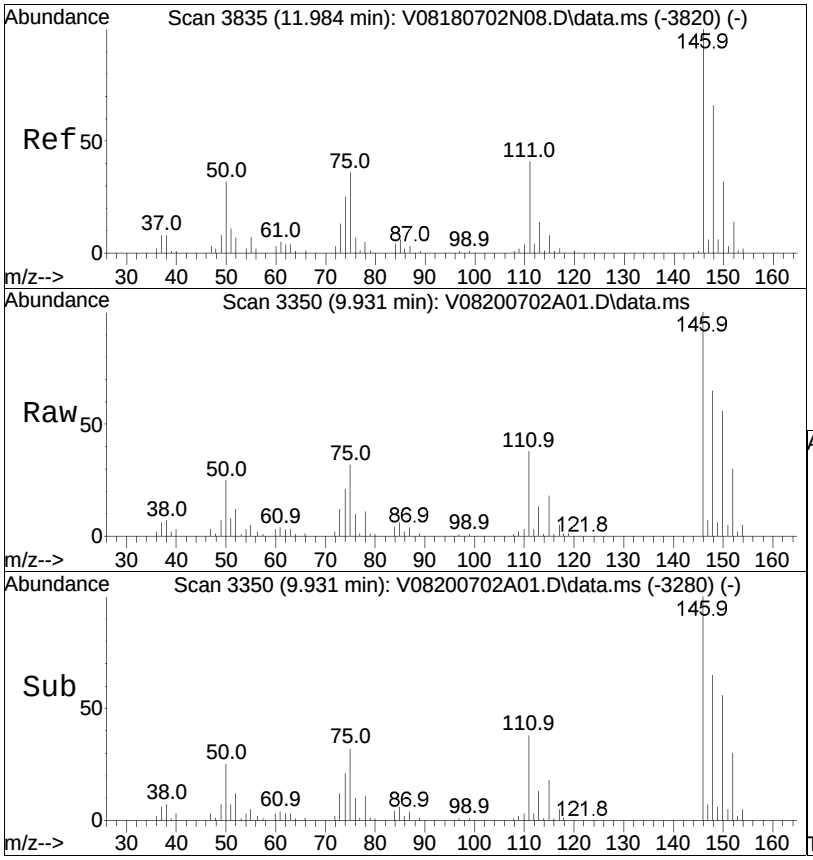


#100
1,3-Dichlorobenzene
Concen: 10.67 ug/L
RT: 9.879 min Scan# 3331
Delta R.T. -0.005 min
Lab File: V08200702A01.D
Acq: 2 Jul 2020 6:58 am

Tgt Ion:146 Resp: 112384

Ion	Ratio	Lower	Upper
146	100		
111	39.4	27.5	57.1
148	64.1	41.9	86.9

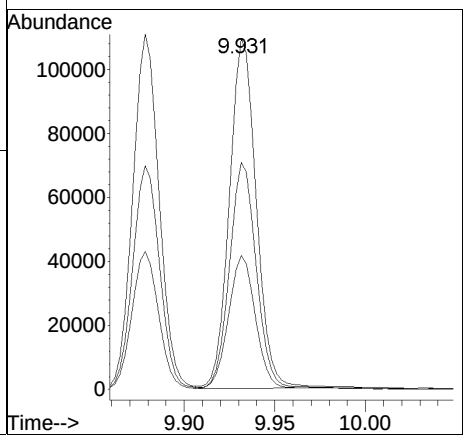


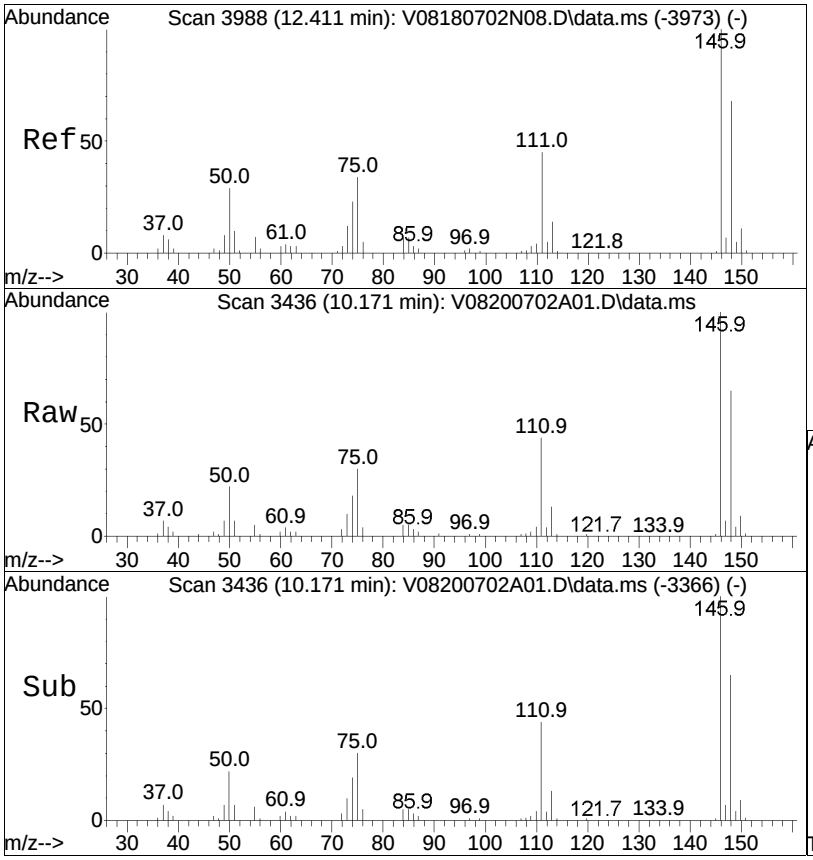


#101
1,4-Dichlorobenzene
Concen: 10.61 ug/L
RT: 9.931 min Scan# 3350
Delta R.T. -0.006 min
Lab File: V08200702A01.D
Acq: 2 Jul 2020 6:58 am

Tgt Ion:146 Resp: 113081

Ion	Ratio	Lower	Upper
146	100		
111	38.8	32.3	48.5
148	65.1	49.9	74.9

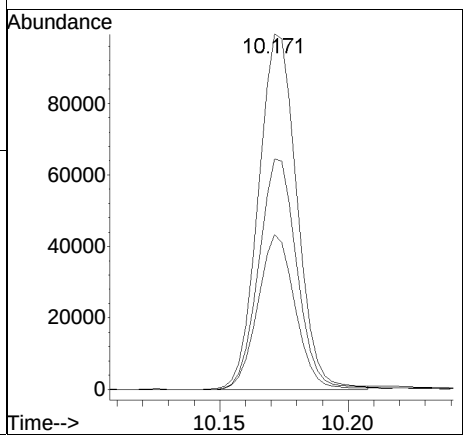


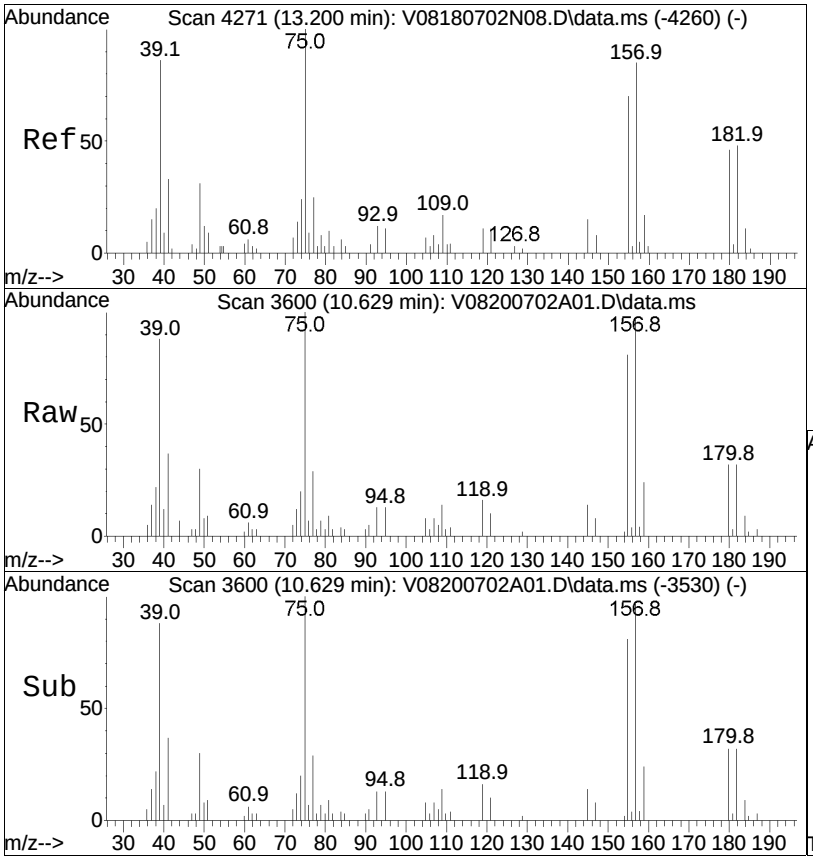


#104
1,2-Dichlorobenzene
Concen: 10.42 ug/L
RT: 10.171 min Scan# 3436
Delta R.T. -0.006 min
Lab File: V08200702A01.D
Acq: 2 Jul 2020 6:58 am

Tgt Ion:146 Resp: 103682

Ion	Ratio	Lower	Upper
146	100		
111	42.5	28.3	58.7
148	64.9	42.3	87.8

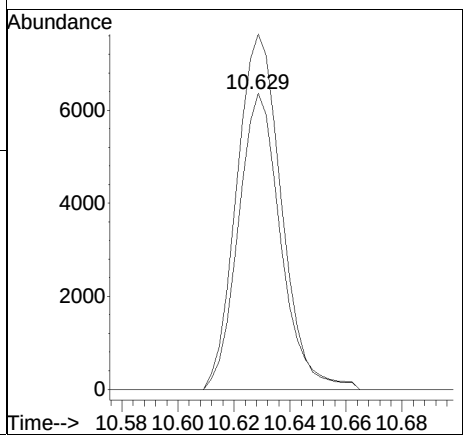


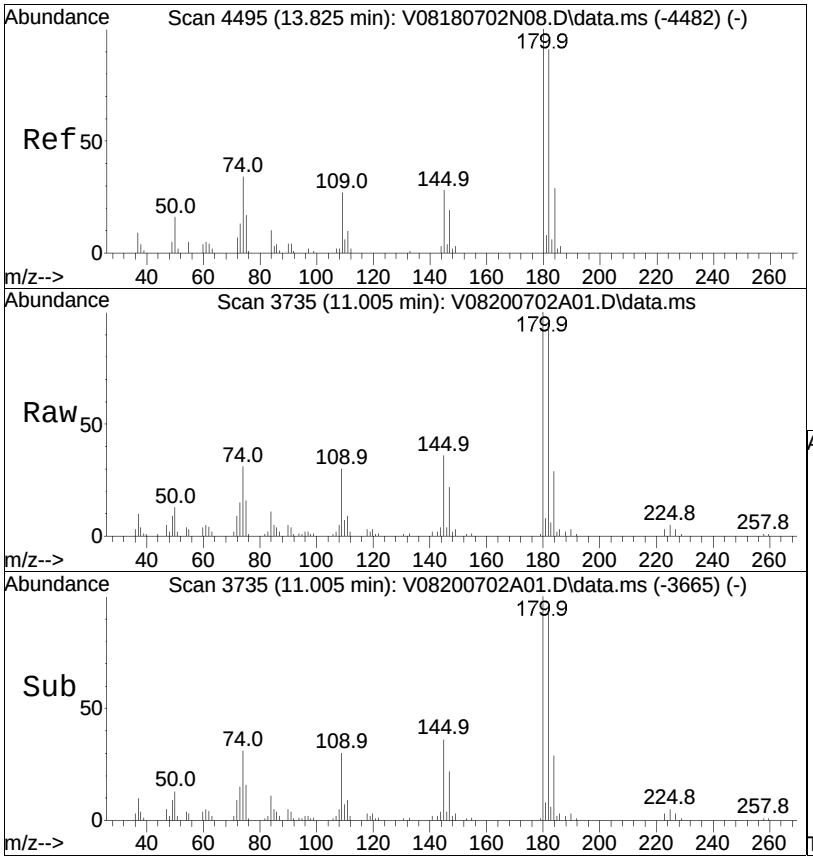


#106
1,2-Dibromo-3-chloropropane
Concen: 8.40 ug/L
RT: 10.629 min Scan# 3600
Delta R.T. -0.005 min
Lab File: V08200702A01.D
Acq: 2 Jul 2020 6:58 am

Tgt Ion:155 Resp: 6720

Ion	Ratio	Lower	Upper
155	100		
157	125.8	94.8	142.2

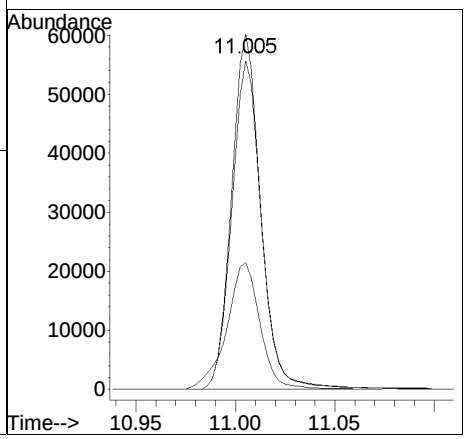


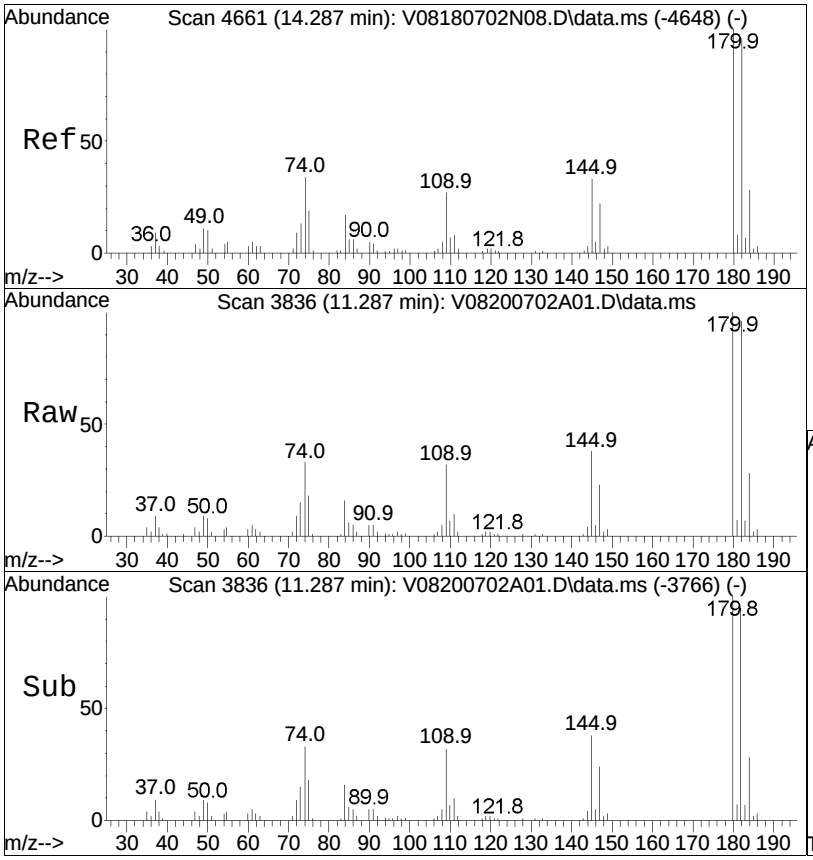


#109
1,2,4-Trichlorobenzene
Concen: 9.72 ug/L
RT: 11.005 min Scan# 3735
Delta R.T. -0.006 min
Lab File: V08200702A01.D
Acq: 2 Jul 2020 6:58 am

Tgt Ion:180 Resp: 61714

Ion	Ratio	Lower	Upper
180	100		
182	94.1	77.3	115.9
145	40.5	28.1	42.1

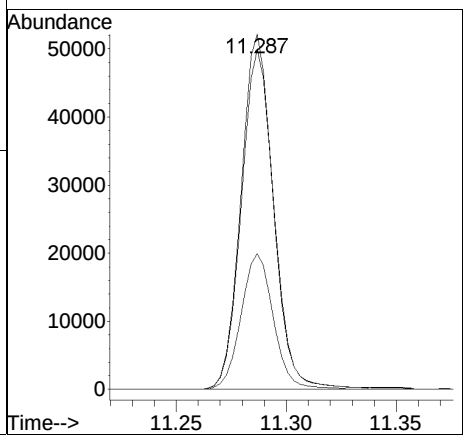




#111
1,2,3-Trichlorobenzene
Concen: 9.43 ug/L
RT: 11.287 min Scan# 3836
Delta R.T. -0.005 min
Lab File: V08200702A01.D
Acq: 2 Jul 2020 6:58 am

Tgt Ion:180 Resp: 53617

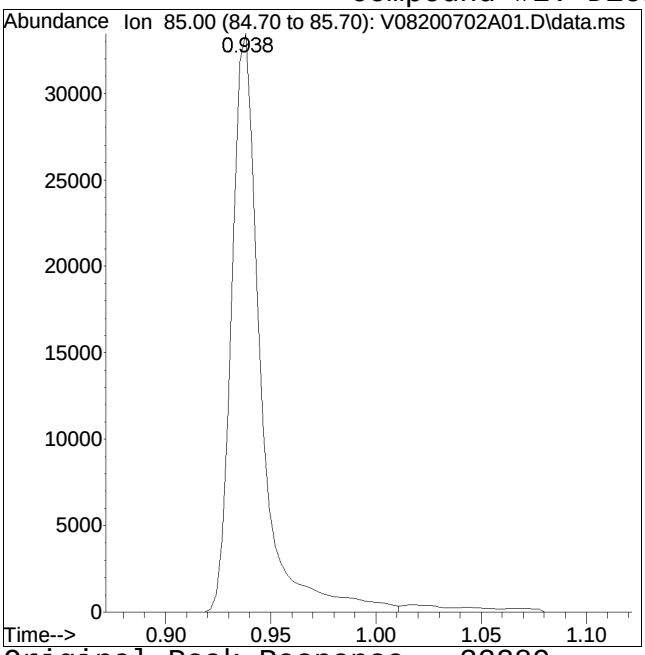
Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.4	114.6
145	38.0	26.4	39.6



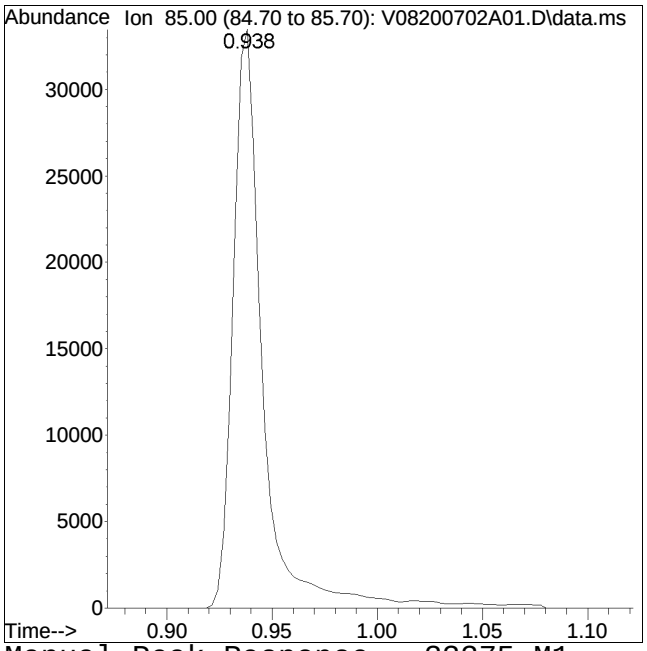
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200702A01.D Operator : VOA108:PD
Date Inj'd : 7/2/2020 6:58 am Instrument : VOA 108
Sample : WG1388512-3,31,10,10 Quant Date : 7/2/2020 7:34 am

Compound #2: Dichlorodifluoromethane



Original Peak Response = 32289



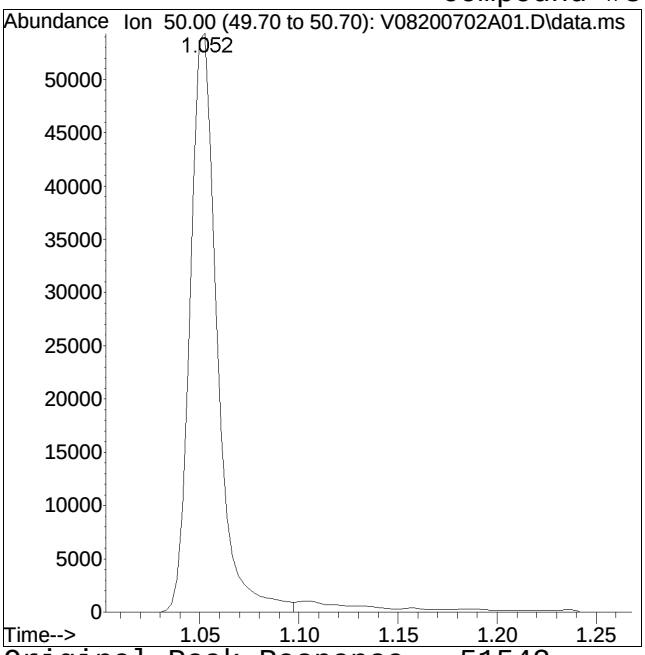
Manual Peak Response = 33375 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

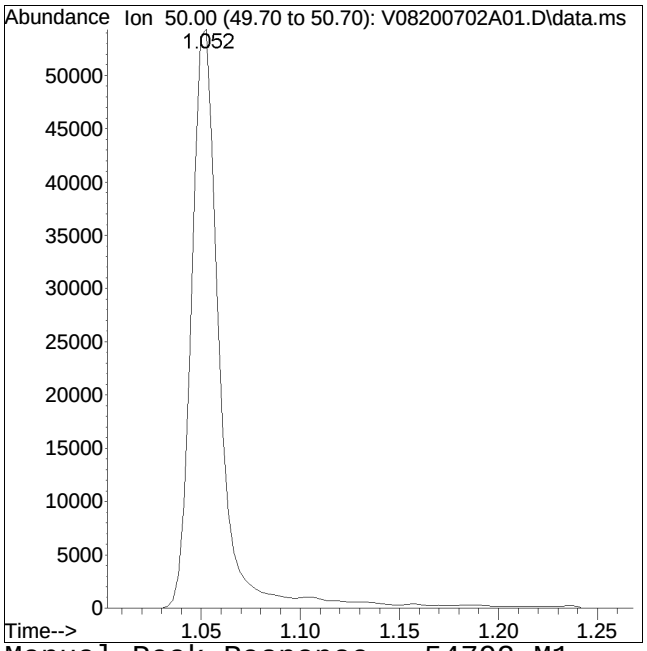
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200702A01.D Operator : VOA108:PD
Date Inj'd : 7/2/2020 6:58 am Instrument : VOA 108
Sample : WG1388512-3,31,10,10 Quant Date : 7/2/2020 7:34 am

Compound #3: Chloromethane



Original Peak Response = 51542



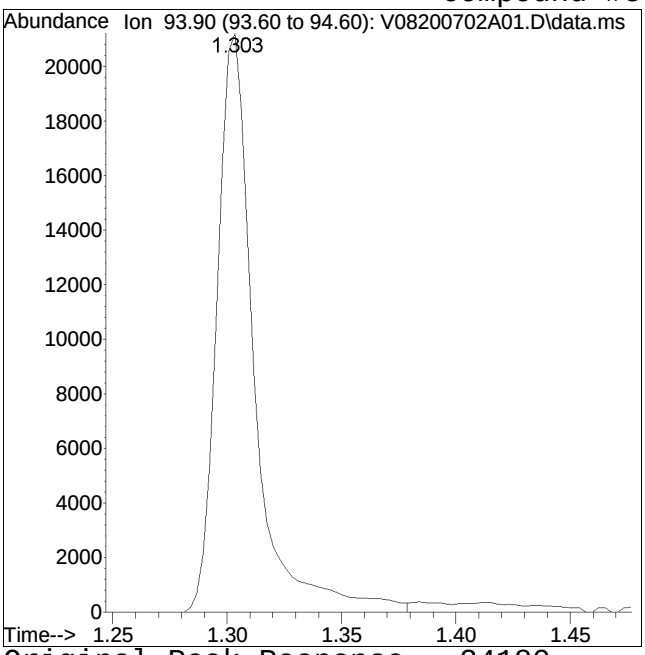
Manual Peak Response = 54792 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

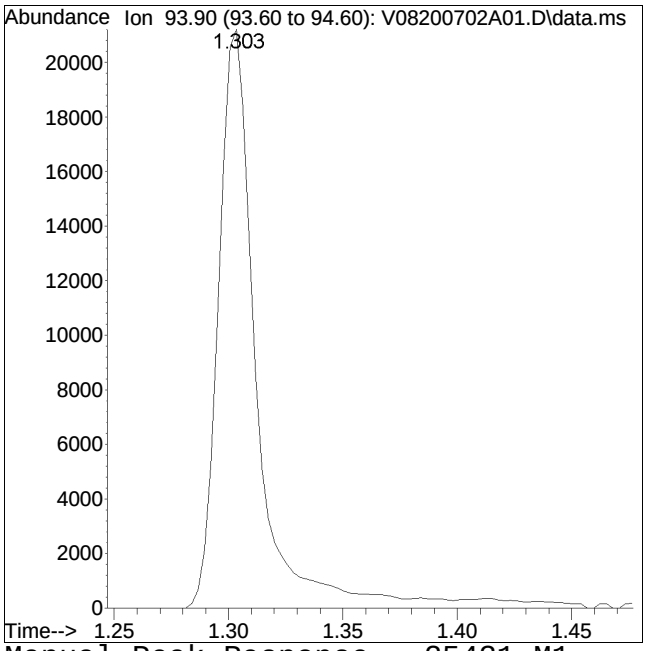
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200702A01.D Operator : VOA108:PD
Date Inj'd : 7/2/2020 6:58 am Instrument : VOA 108
Sample : WG1388512-3,31,10,10 Quant Date : 7/2/2020 7:34 am

Compound #5: Bromomethane



Original Peak Response = 24180



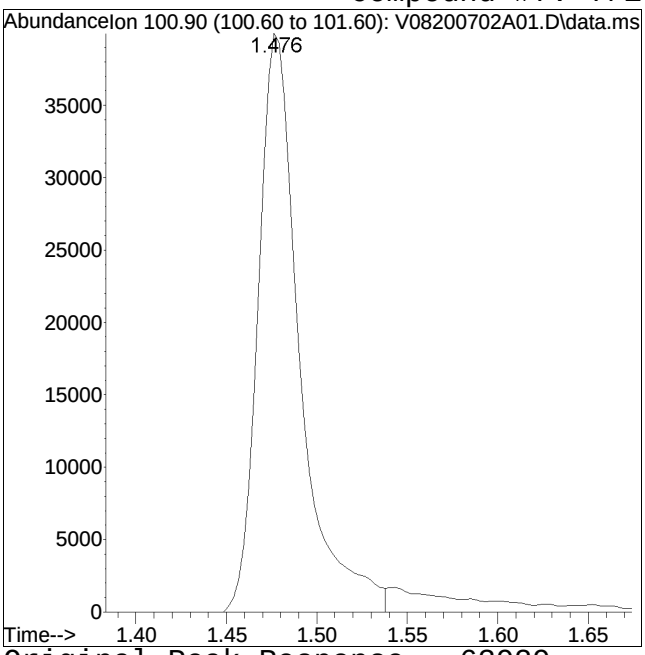
Manual Peak Response = 25431 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

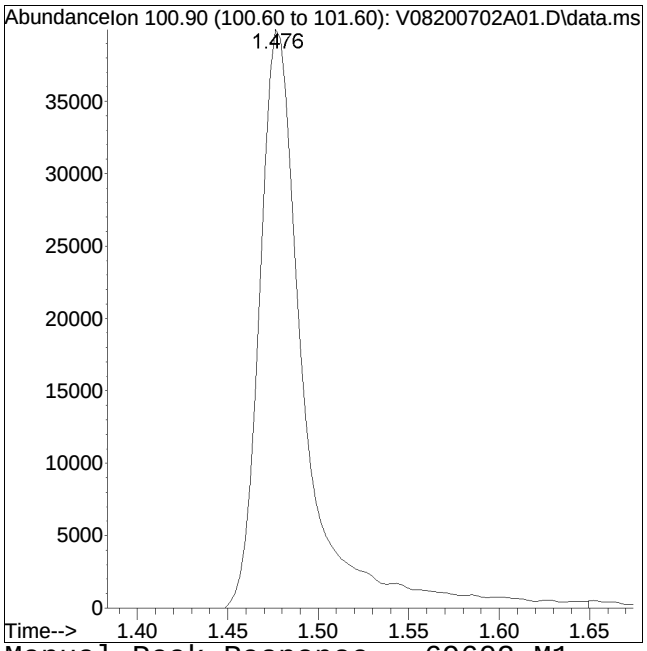
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200702A01.D Operator : VOA108:PD
Date Inj'd : 7/2/2020 6:58 am Instrument : VOA 108
Sample : WG1388512-3,31,10,10 Quant Date : 7/2/2020 7:34 am

Compound #7: Trichlorofluoromethane



Original Peak Response = 63929



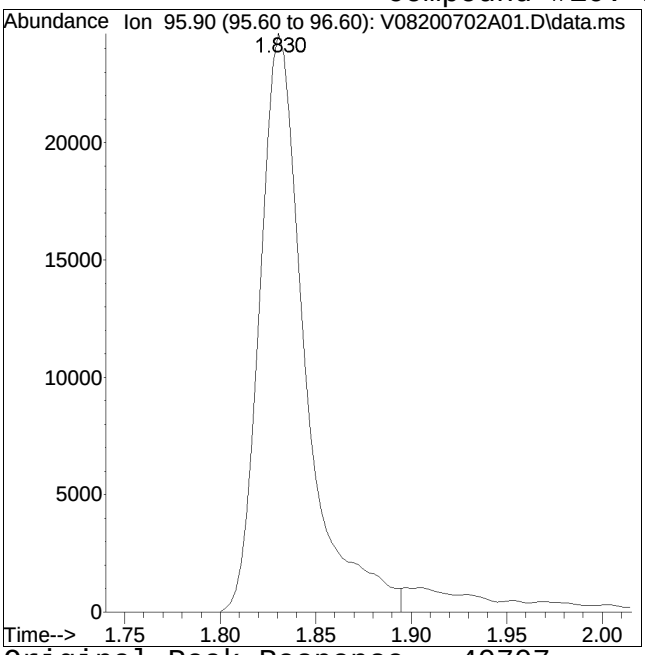
Manual Peak Response = 69602 M1

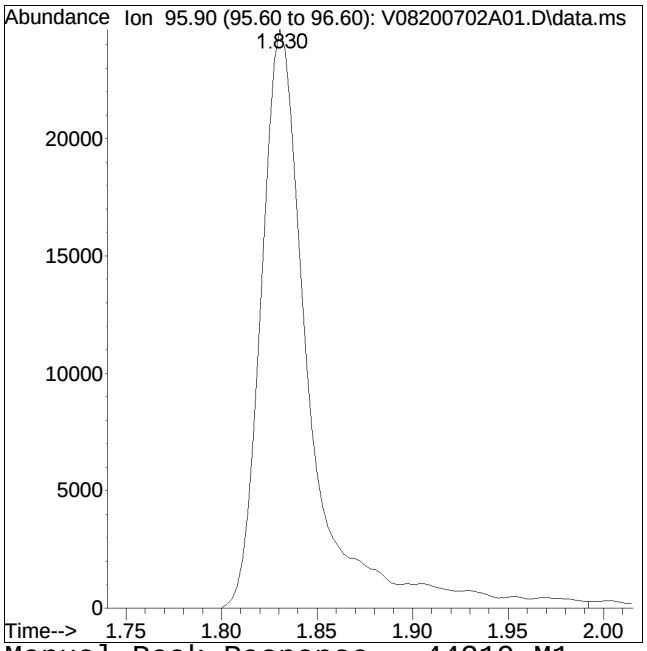
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200702A01.D Operator : VOA108:PD
Date Inj'd : 7/2/2020 6:58 am Instrument : VOA 108
Sample : WG1388512-3,31,10,10 Quant Date : 7/2/2020 7:34 am

Compound #10: 1,1-Dichloroethene



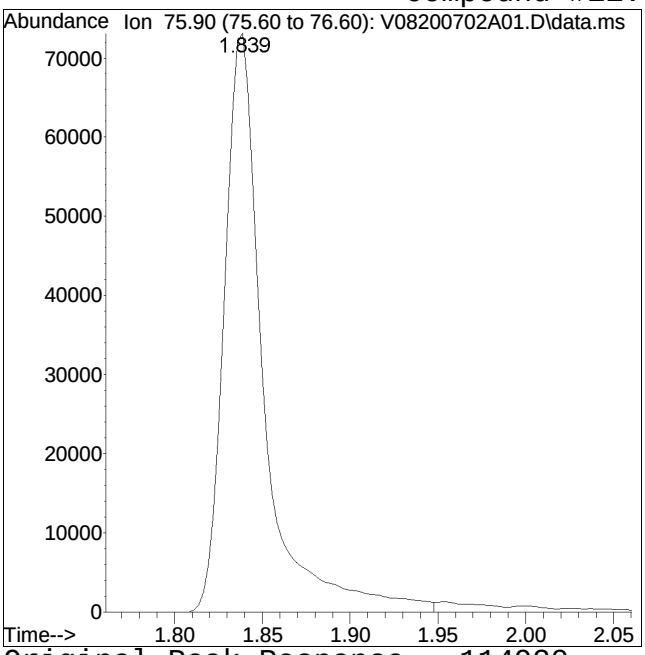


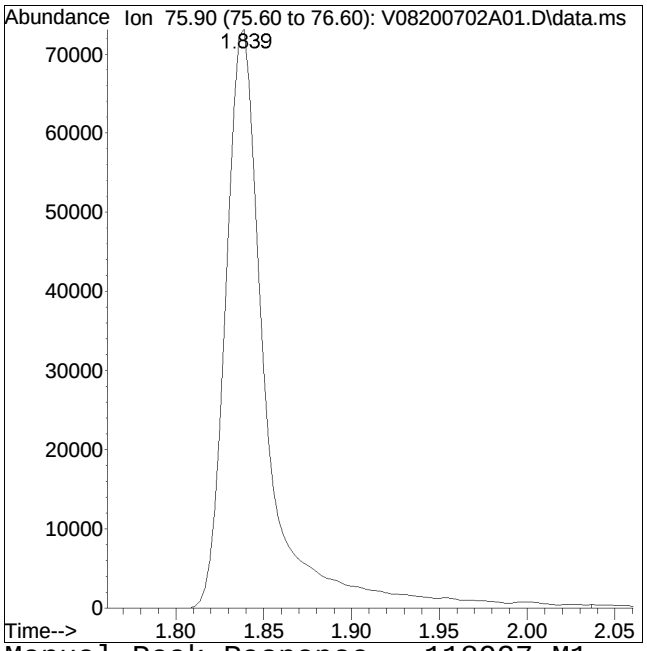
Original Peak Response = 40707 Manual Peak Response = 44219 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200702A01.D Operator : VOA108:PD
Date Inj'd : 7/2/2020 6:58 am Instrument : VOA 108
Sample : WG1388512-3,31,10,10 Quant Date : 7/2/2020 7:34 am

Compound #11: Carbon disulfide



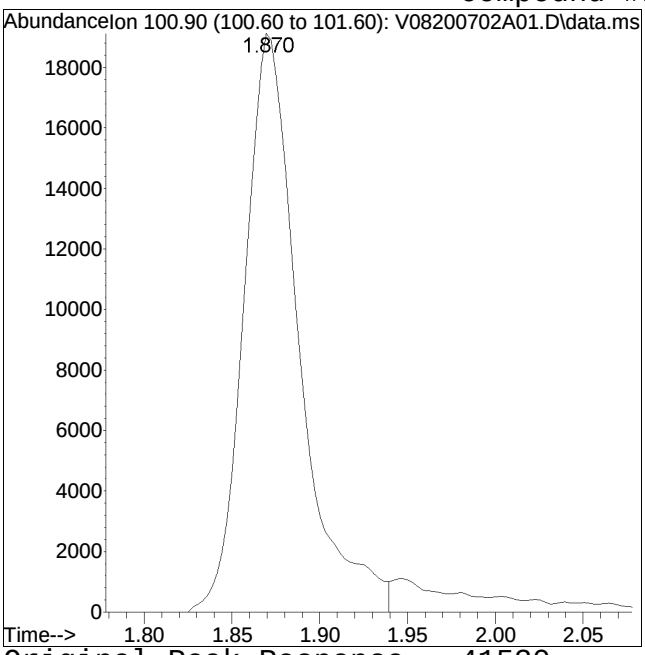


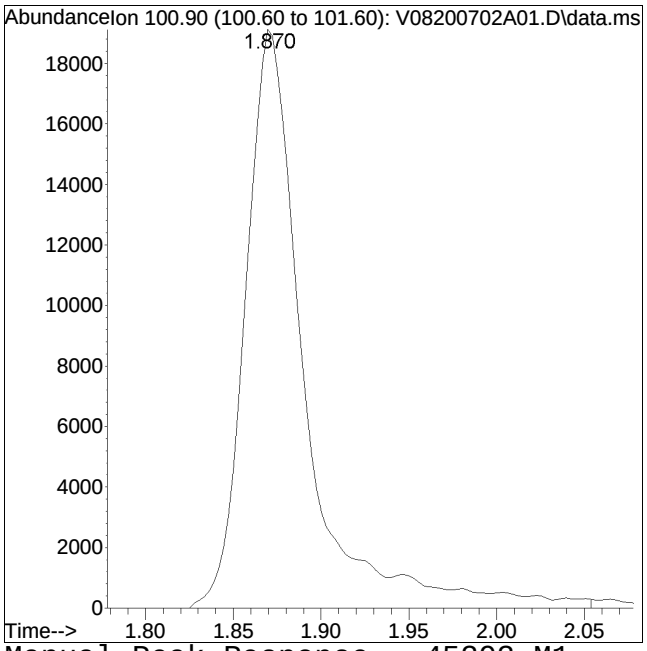
Original Peak Response = 114920 Manual Peak Response = 118927 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200702A01.D Operator : VOA108:PD
Date Inj'd : 7/2/2020 6:58 am Instrument : VOA 108
Sample : WG1388512-3,31,10,10 Quant Date : 7/2/2020 7:34 am

Compound #12: Freon-113



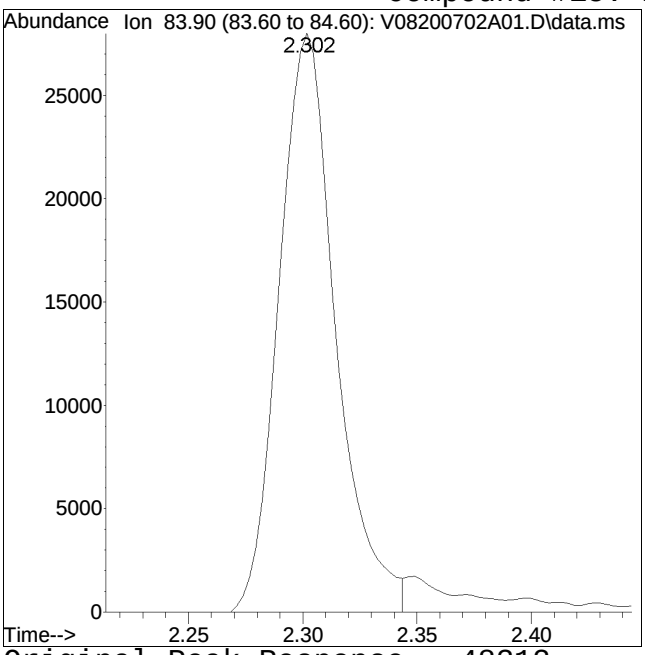


Original Peak Response = 41530 Manual Peak Response = 45293 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

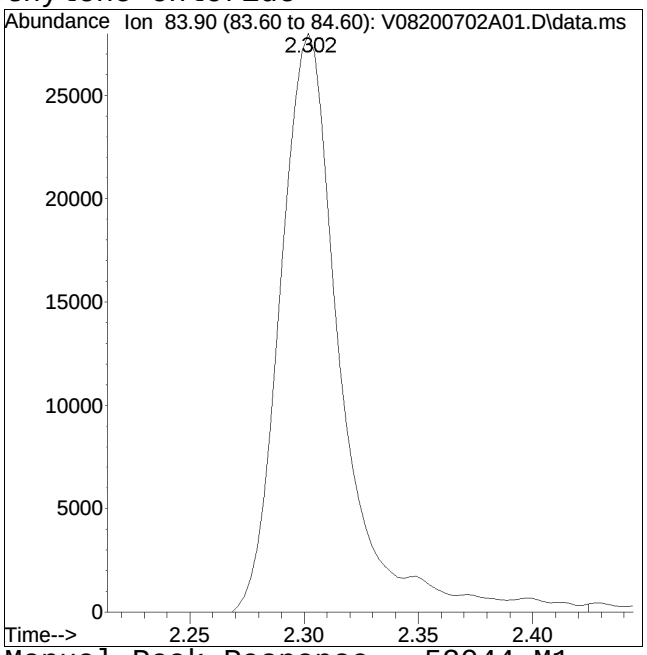
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200702A01.D Operator : VOA108:PD
Date Inj'd : 7/2/2020 6:58 am Instrument : VOA 108
Sample : WG1388512-3,31,10,10 Quant Date : 7/2/2020 7:34 am

Compound #15: Methylene chloride



Original Peak Response = 48312



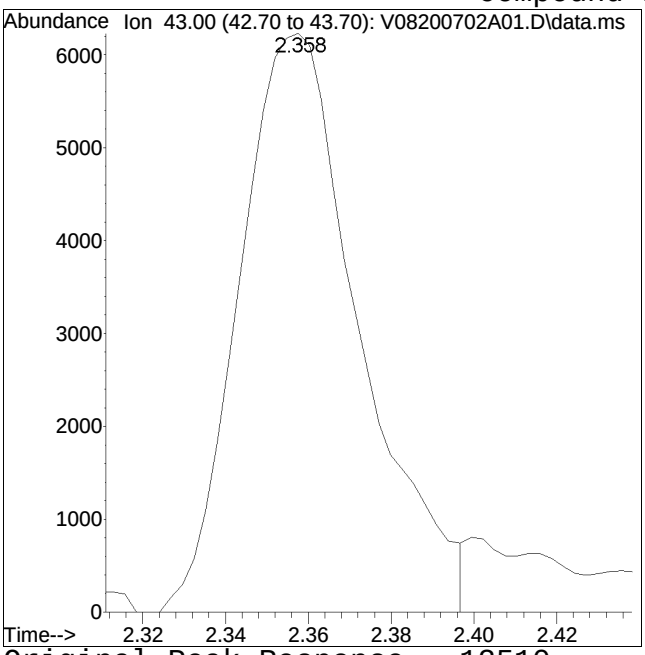
Manual Peak Response = 52044 M1

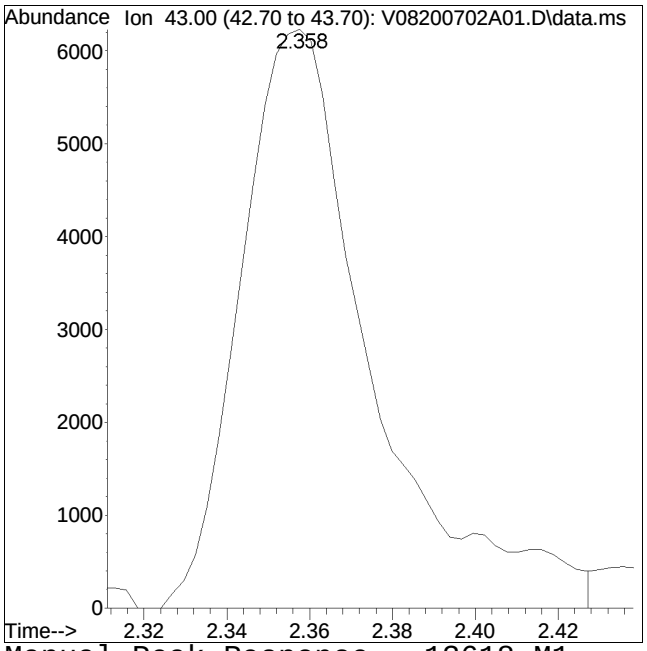
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200702A01.D Operator : VOA108:PD
Date Inj'd : 7/2/2020 6:58 am Instrument : VOA 108
Sample : WG1388512-3,31,10,10 Quant Date : 7/2/2020 7:34 am

Compound #17: Acetone



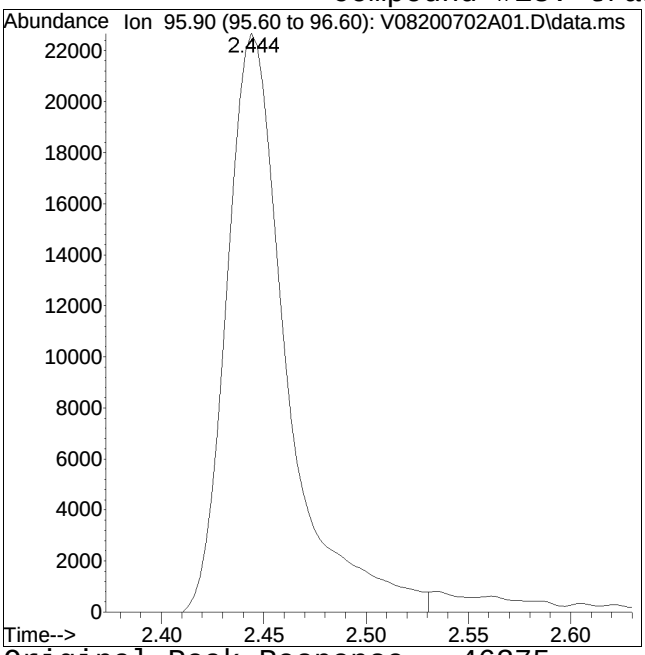


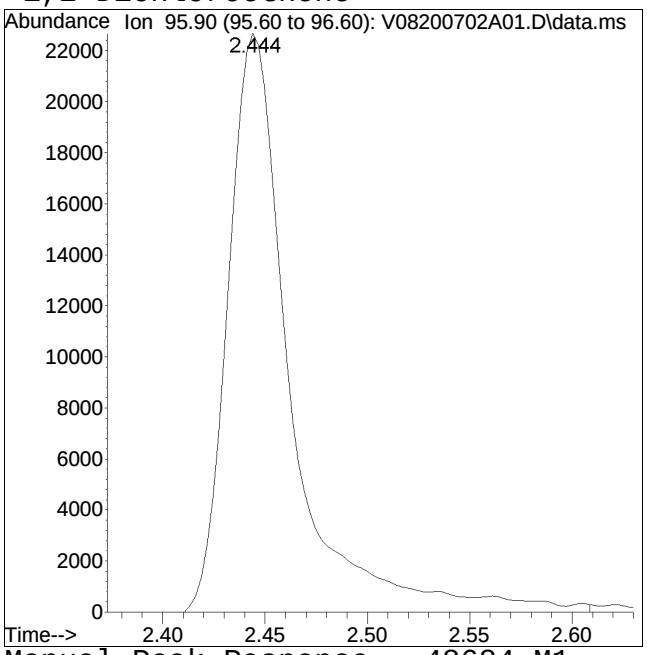
Original Peak Response = 12510 Manual Peak Response = 13618 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200702A01.D Operator : VOA108:PD
Date Inj'd : 7/2/2020 6:58 am Instrument : VOA 108
Sample : WG1388512-3,31,10,10 Quant Date : 7/2/2020 7:34 am

Compound #18: trans-1,2-Dichloroethene





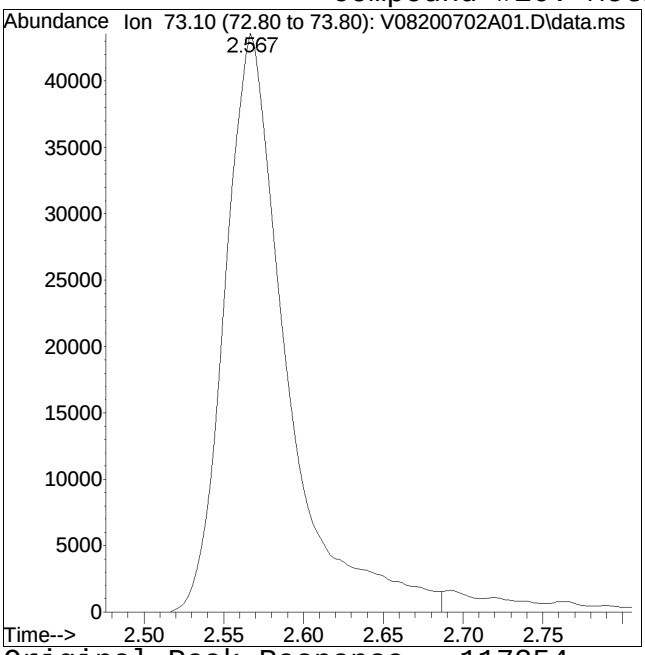
Original Peak Response = 46375 Manual Peak Response = 48684 M1

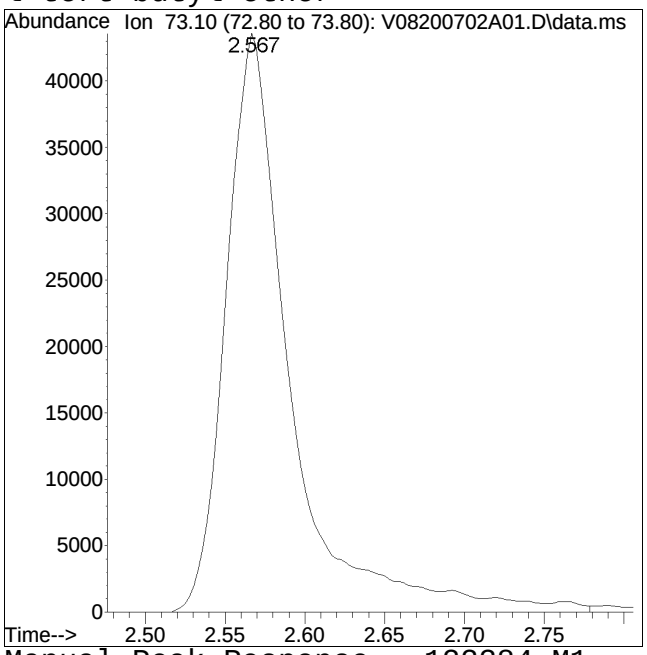
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200702A01.D Operator : VOA108:PD
Date Inj'd : 7/2/2020 6:58 am Instrument : VOA 108
Sample : WG1388512-3,31,10,10 Quant Date : 7/2/2020 7:34 am

Compound #20: Methyl tert-butyl ether





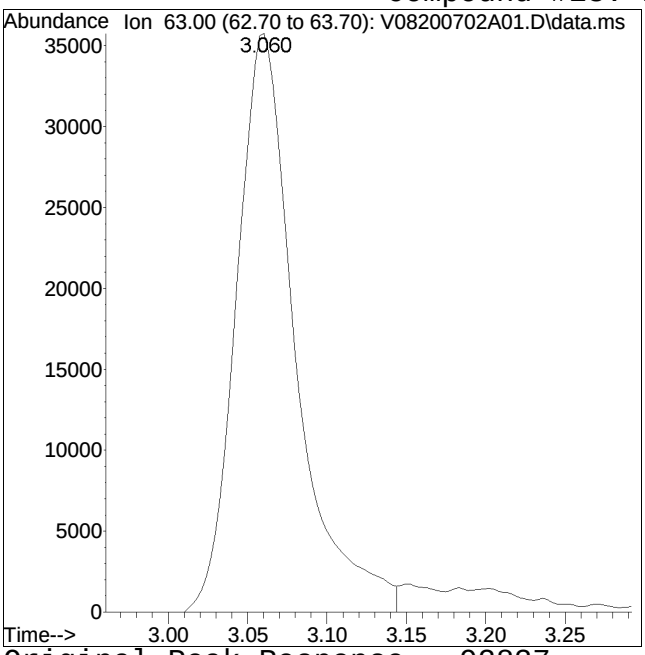
Original Peak Response = 117254 Manual Peak Response = 122384 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

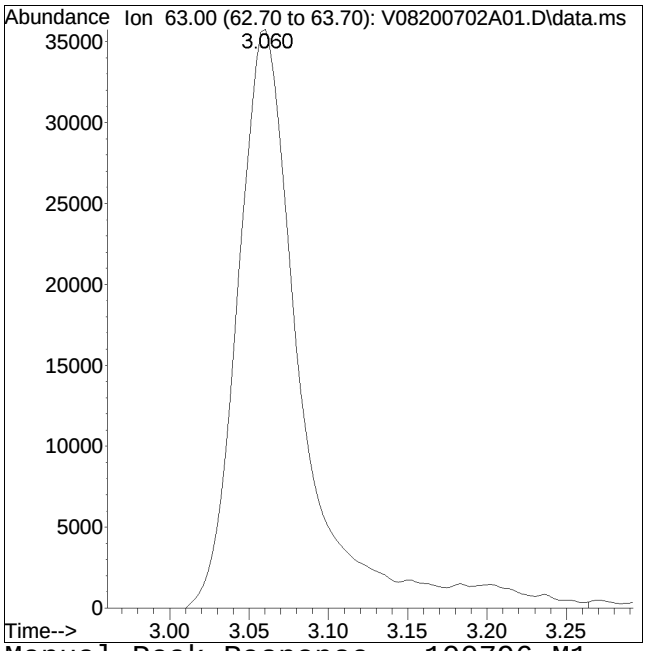
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200702A01.D Operator : VOA108:PD
Date Inj'd : 7/2/2020 6:58 am Instrument : VOA 108
Sample : WG1388512-3,31,10,10 Quant Date : 7/2/2020 7:34 am

Compound #23: 1,1-Dichloroethane



Original Peak Response = 92837



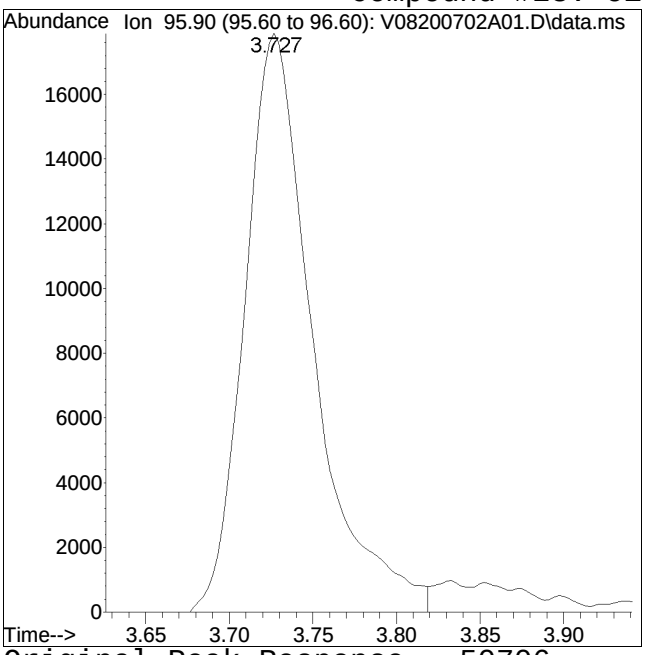
Manual Peak Response = 100796 M1

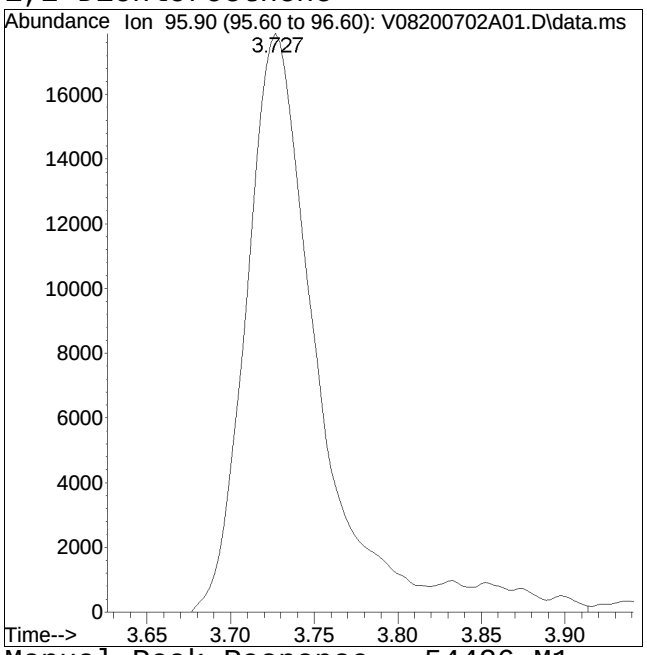
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200702A01.D Operator : VOA108:PD
Date Inj'd : 7/2/2020 6:58 am Instrument : VOA 108
Sample : WG1388512-3,31,10,10 Quant Date : 7/2/2020 7:34 am

Compound #28: cis-1,2-Dichloroethene



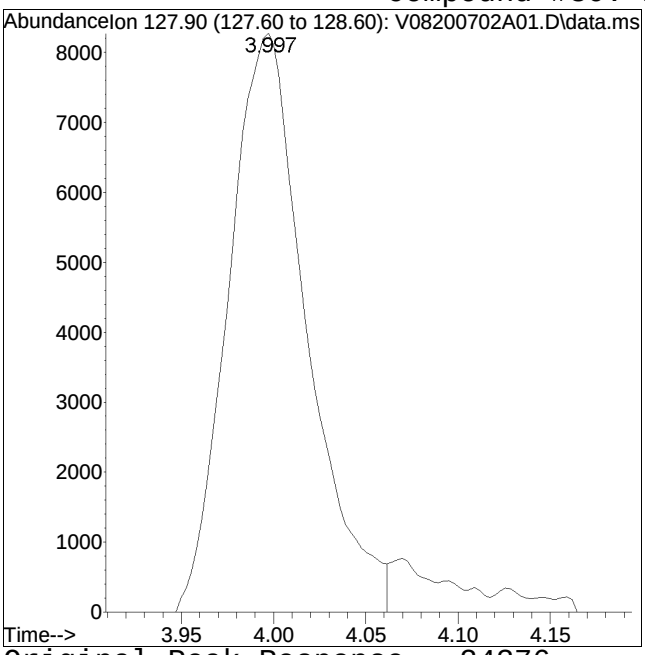


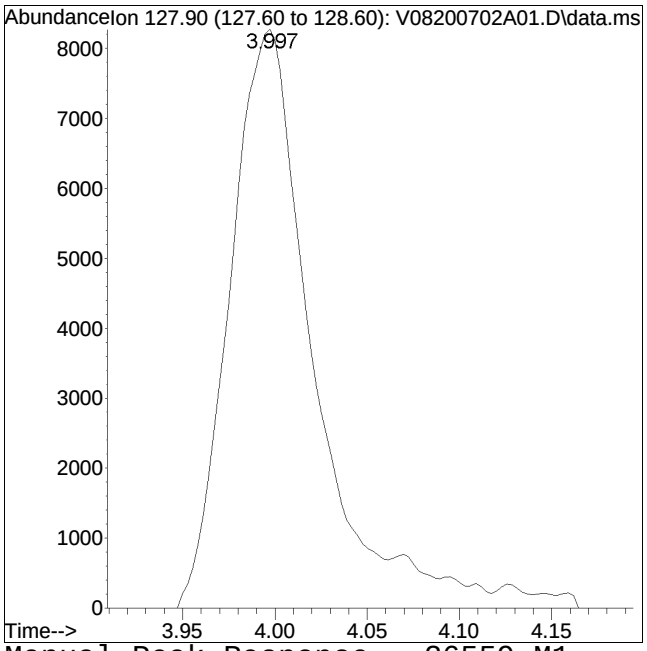
Original Peak Response = 50706 Manual Peak Response = 54426 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200702A01.D Operator : VOA108:PD
Date Inj'd : 7/2/2020 6:58 am Instrument : VOA 108
Sample : WG1388512-3,31,10,10 Quant Date : 7/2/2020 7:34 am

Compound #30: Bromochloromethane



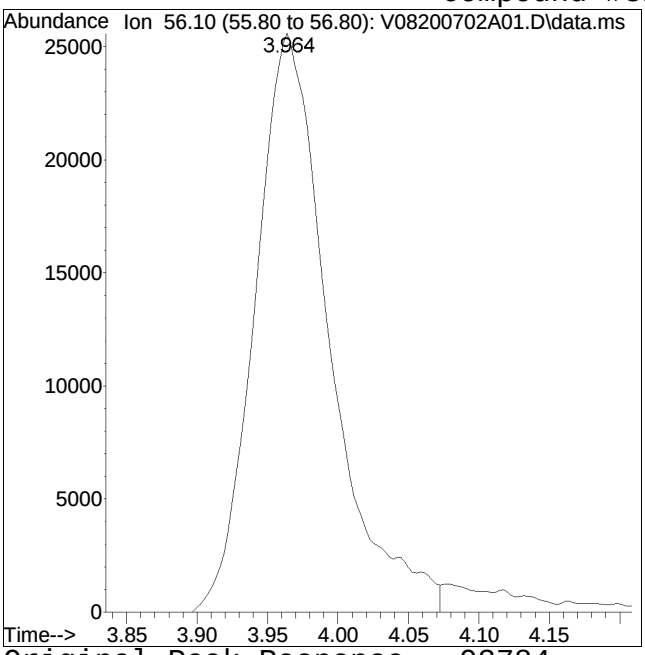


Original Peak Response = 24376 Manual Peak Response = 26559 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

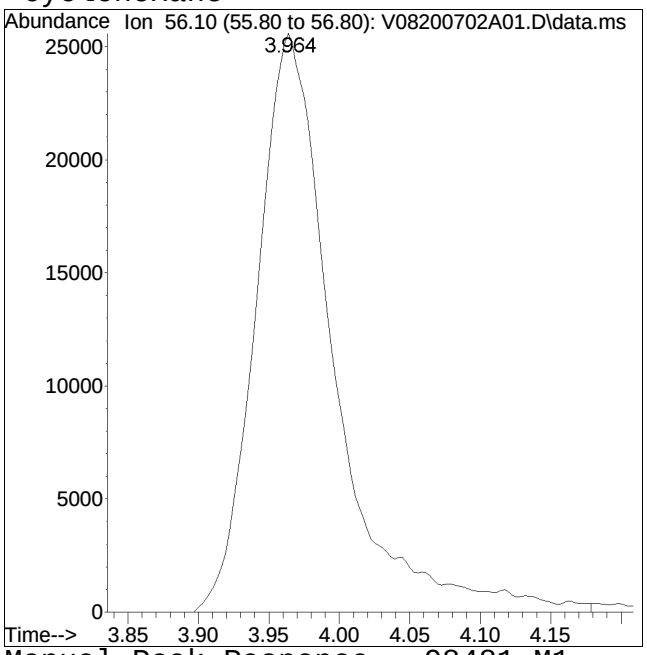
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200702A01.D Operator : VOA108:PD
Date Inj'd : 7/2/2020 6:58 am Instrument : VOA 108
Sample : WG1388512-3,31,10,10 Quant Date : 7/2/2020 7:34 am

Compound #31: Cyclohexane



Original Peak Response = 93784



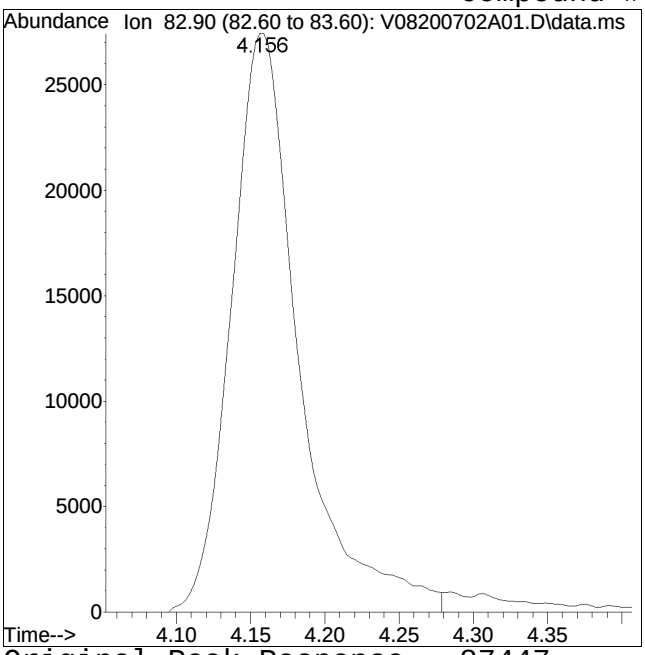
Manual Peak Response = 98481 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

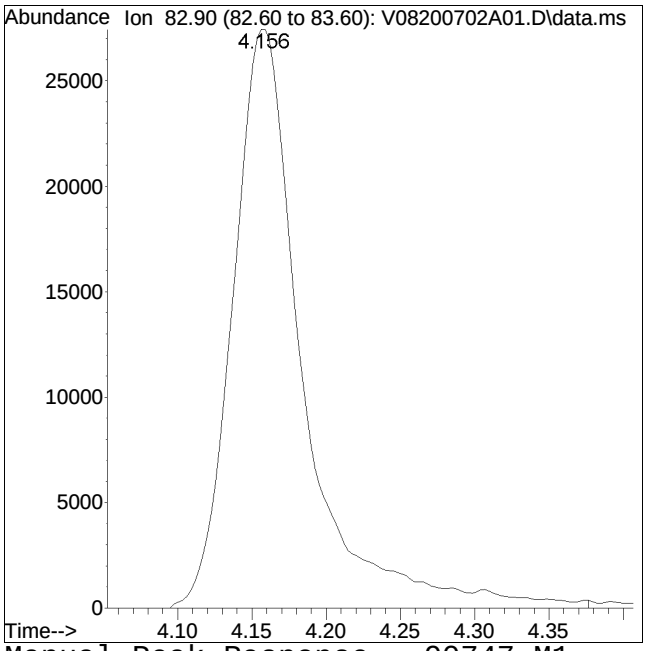
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200702A01.D Operator : VOA108:PD
Date Inj'd : 7/2/2020 6:58 am Instrument : VOA 108
Sample : WG1388512-3,31,10,10 Quant Date : 7/2/2020 7:34 am

Compound #32: Chloroform



Original Peak Response = 87447



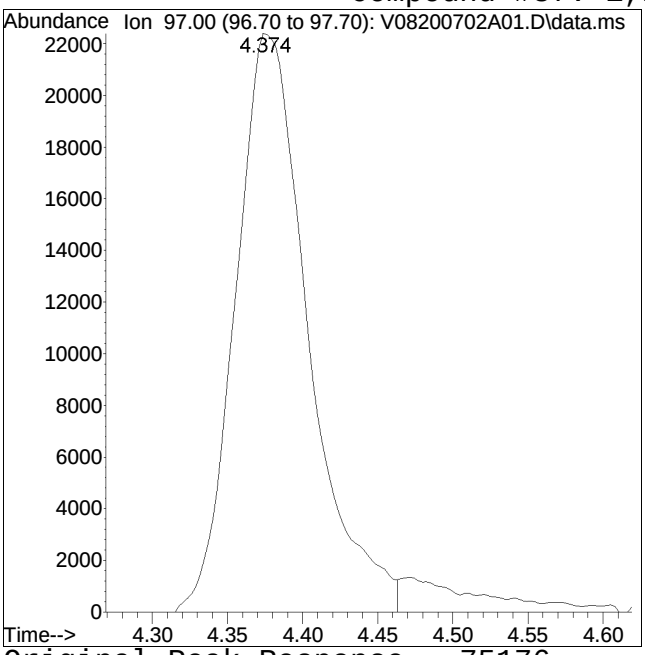
Manual Peak Response = 90747 M1

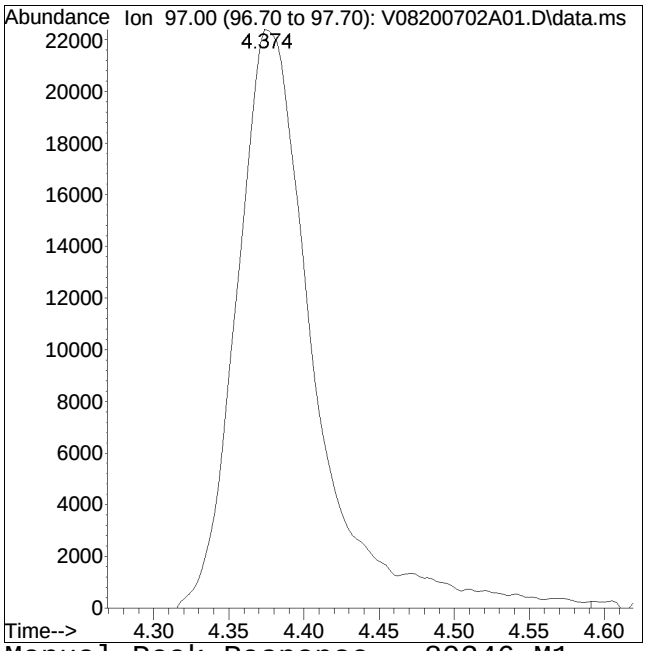
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200702A01.D Operator : VOA108:PD
Date Inj'd : 7/2/2020 6:58 am Instrument : VOA 108
Sample : WG1388512-3,31,10,10 Quant Date : 7/2/2020 7:34 am

Compound #37: 1,1,1-Trichloroethane



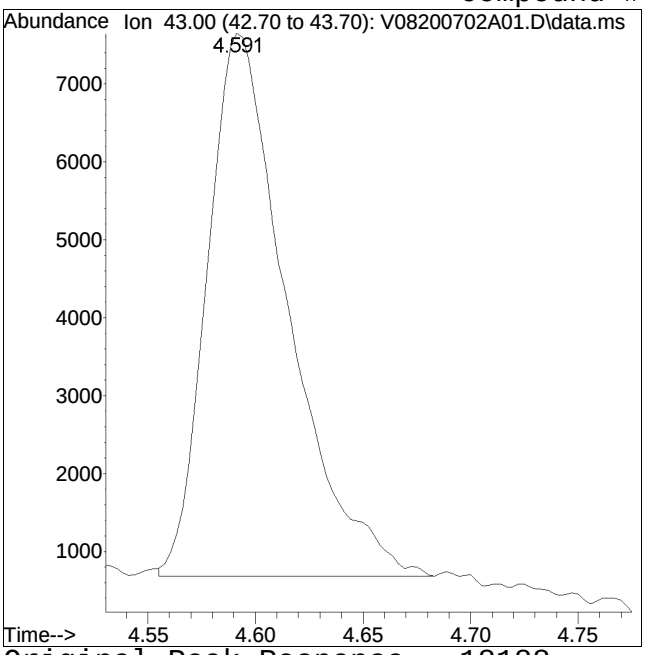


Original Peak Response = 75176 Manual Peak Response = 80246 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

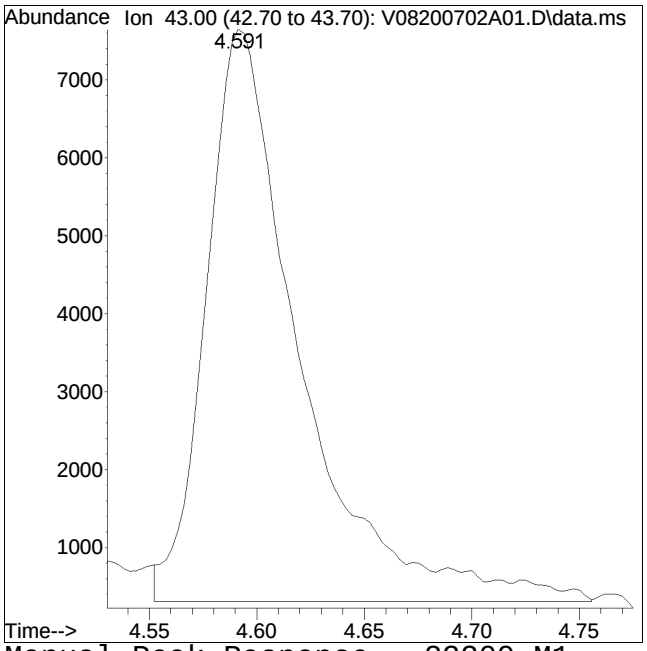
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200702A01.D Operator : VOA108:PD
Date Inj'd : 7/2/2020 6:58 am Instrument : VOA 108
Sample : WG1388512-3,31,10,10 Quant Date : 7/2/2020 7:34 am

Compound #39: 2-Butanone



Original Peak Response = 18188



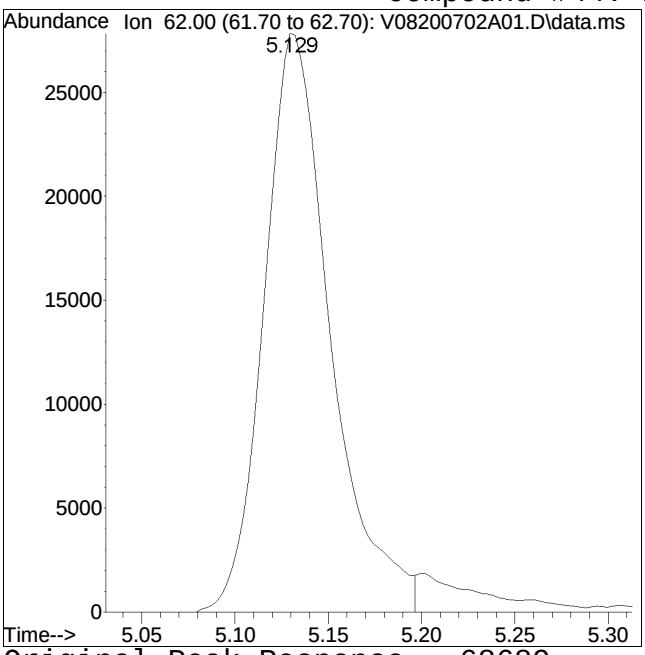
Manual Peak Response = 22200 M1

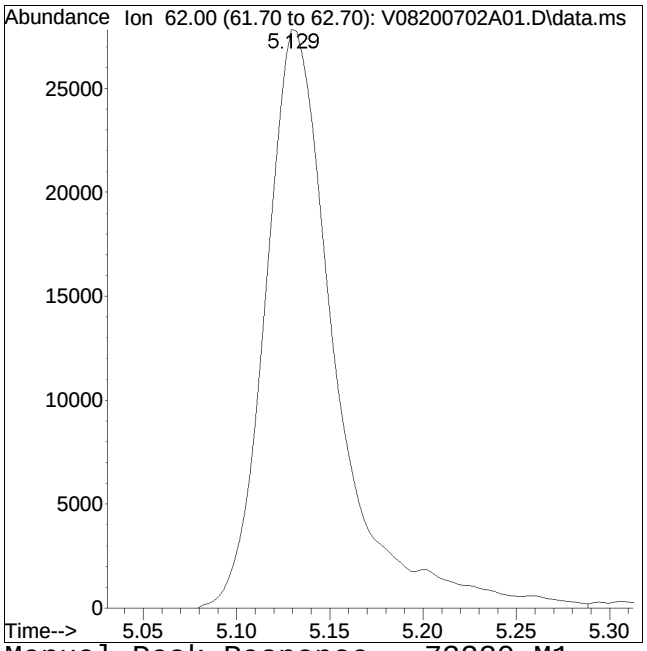
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200702A01.D Operator : VOA108:PD
Date Inj'd : 7/2/2020 6:58 am Instrument : VOA 108
Sample : WG1388512-3,31,10,10 Quant Date : 7/2/2020 7:34 am

Compound #44: 1,2-Dichloroethane



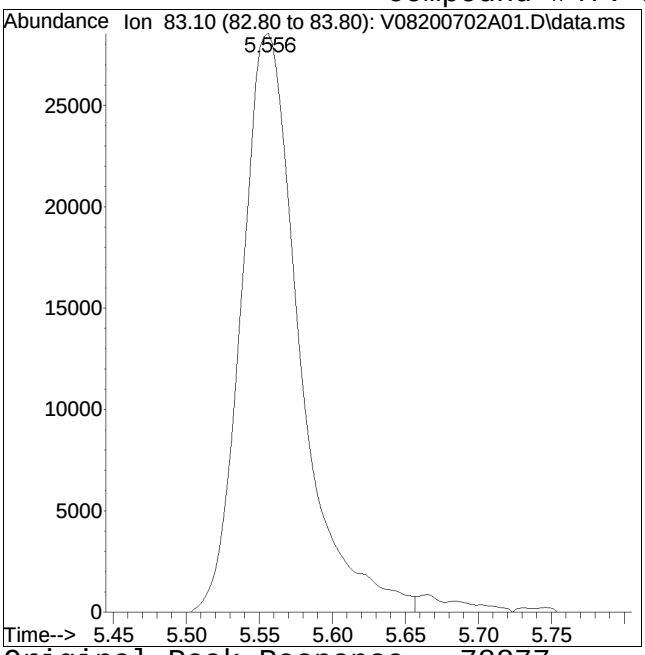


Original Peak Response = 68689 Manual Peak Response = 73230 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

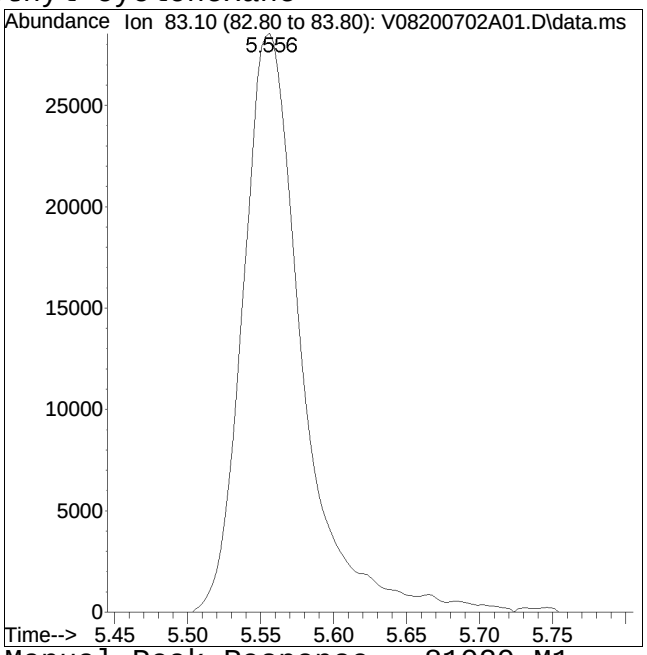
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200702A01.D Operator : VOA108:PD
Date Inj'd : 7/2/2020 6:58 am Instrument : VOA 108
Sample : WG1388512-3,31,10,10 Quant Date : 7/2/2020 7:34 am

Compound #47: Methyl cyclohexane



Original Peak Response = 78877



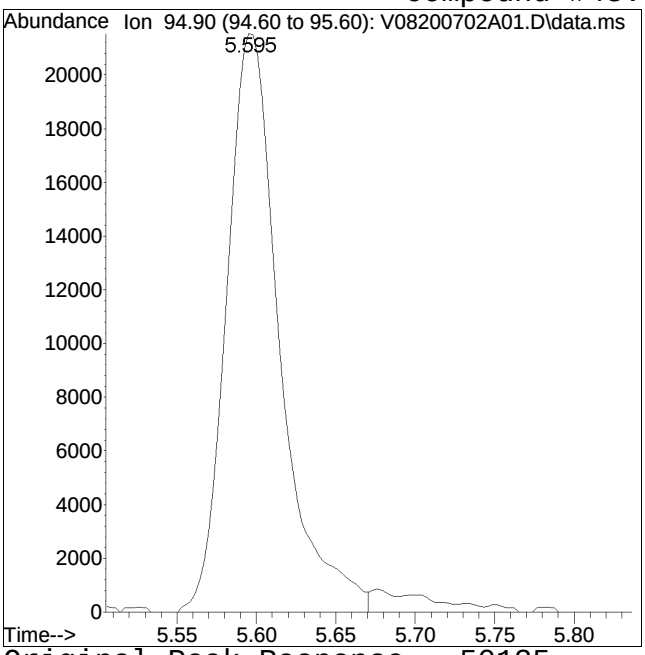
Manual Peak Response = 81020 M1

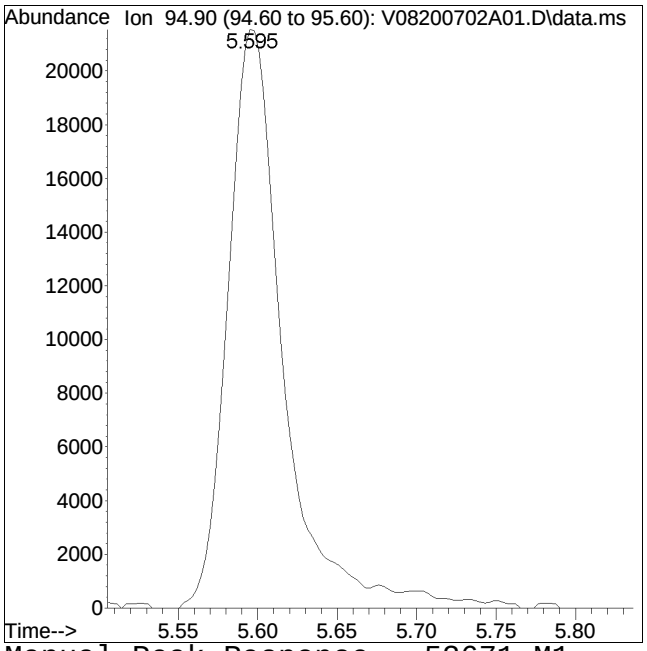
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200702A01.D Operator : VOA108:PD
Date Inj'd : 7/2/2020 6:58 am Instrument : VOA 108
Sample : WG1388512-3,31,10,10 Quant Date : 7/2/2020 7:34 am

Compound #48: Trichloroethene



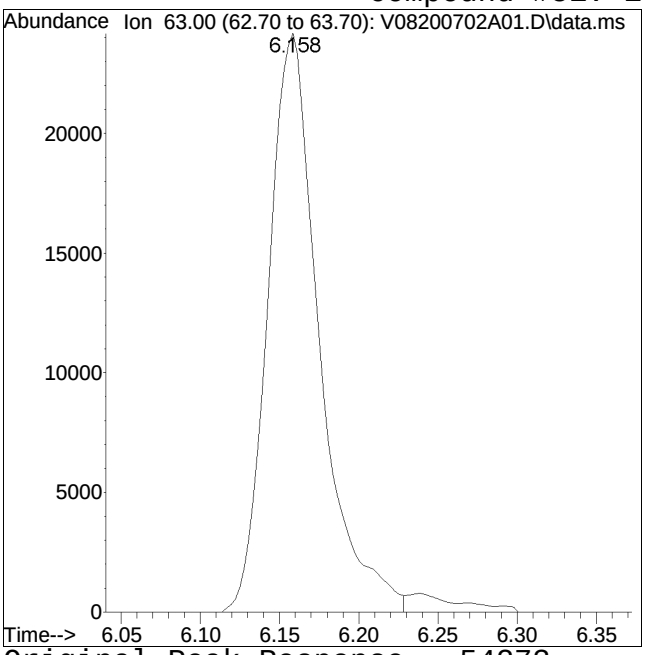


Original Peak Response = 50135 Manual Peak Response = 52671 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

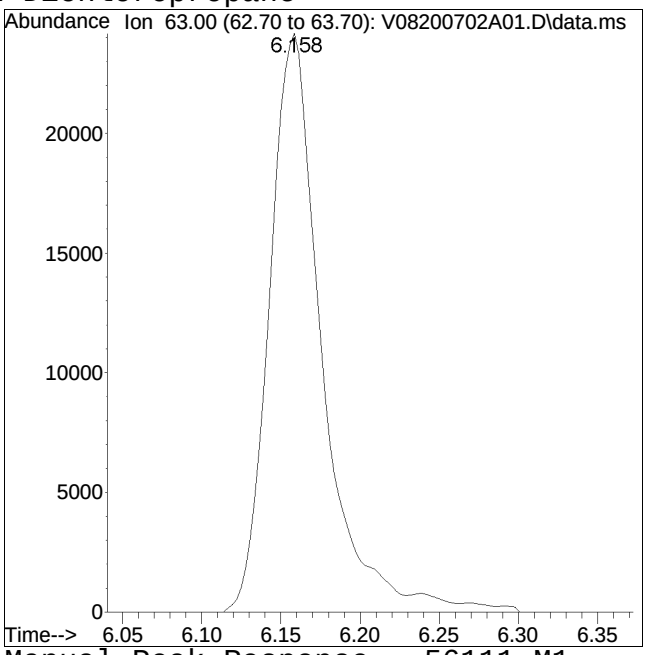
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200702A01.D Operator : VOA108:PD
Date Inj'd : 7/2/2020 6:58 am Instrument : VOA 108
Sample : WG1388512-3,31,10,10 Quant Date : 7/2/2020 7:34 am

Compound #51: 1,2-Dichloropropane



Original Peak Response = 54273



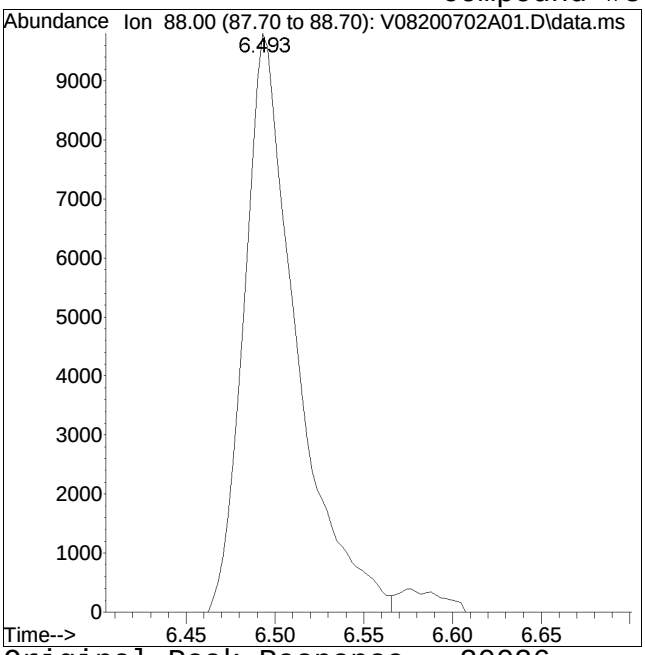
Manual Peak Response = 56111 M1

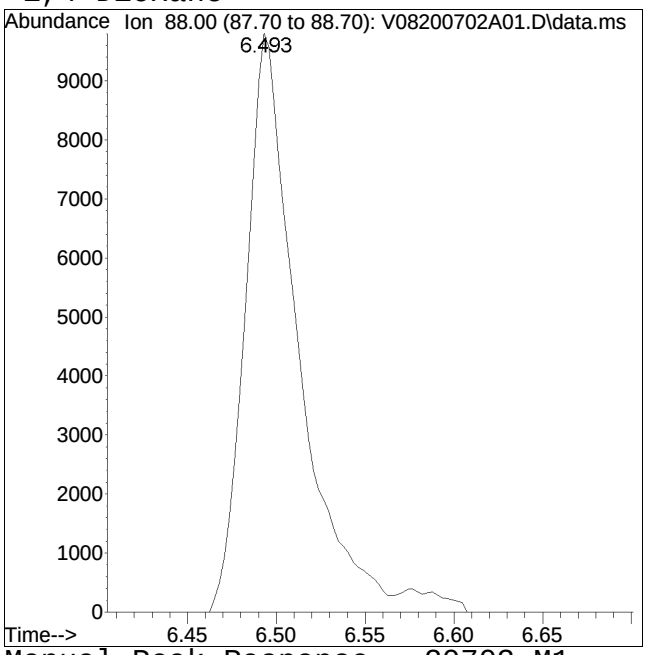
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200702A01.D Operator : VOA108:PD
Date Inj'd : 7/2/2020 6:58 am Instrument : VOA 108
Sample : WG1388512-3,31,10,10 Quant Date : 7/2/2020 7:34 am

Compound #57: 1,4-Dioxane





Original Peak Response = 20026 Manual Peak Response = 20703 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2020\200701A\
Data File : V22200701A02.D
Acq On : 01 Jul 2020 09:10 am
Operator : VOA122:PD
Sample : WG1388388-4,31,10,10
Misc : WG1388388,ICAL16903
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 01 10:01:49 2020
Quant Method : I:\VOLATILES\VOA122\2020\200701A\V122_200617N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jun 18 17:18:38 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2020\200701A\V22200701A01.D
Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.784	96	181389	10.000	ug/L	0.00
Standard Area 1 = 180591			Recovery = 100.44%			
62) Chlorobenzene-d5	9.298	117	155623	10.000	ug/L	0.00
Standard Area 1 = 157975			Recovery = 98.51%			
83) 1,4-Dichlorobenzene-d4	12.065	152	80585	10.000	ug/L	0.00
Standard Area 1 = 82999			Recovery = 97.09%			
System Monitoring Compounds						
38) Dibromofluoromethane	4.971	113	53977	10.709	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 107.09%			
46) 1,2-Dichloroethane-d4	5.494	65	49042	10.513	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.13%			
63) Toluene-d8	7.464	98	205023	9.548	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.48%			
87) 4-Bromofluorobenzene	10.827	95	67916	8.864	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 88.64%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.522	85	32850	9.197	ug/L	98
3) Chloromethane	1.709	50	49116	10.686	ug/L	98
4) Vinyl chloride	1.764	62	36874	8.972	ug/L	97
5) Bromomethane	2.052	94	11687	5.789	ug/L	94
6) Chloroethane	2.162	64	19500	8.986	ug/L	97
7) Trichlorofluoromethane	2.294	101	58792	10.250	ug/L	98
10) 1,1-Dichloroethene	2.770	96	34127	9.506	ug/L	84
11) Carbon disulfide	2.802	76	83402	9.371	ug/L	99
12) Freon-113	2.809	101	37491	10.265	ug/L	98
15) Methylene chloride	3.309	84	35548	9.235	ug/L #	66
17) Acetone	3.356	43	7863	10.602	ug/L	95
18) trans-1,2-Dichloroethene	3.457	96	38809	9.853	ug/L	90
19) Methyl acetate	3.473	43	20550	9.768	ug/L #	85
21) Methyl tert-butyl ether	3.559	73	71241	8.457	ug/L #	86
25) 1,1-Dichloroethane	4.027	63	71692	10.216	ug/L	95
30) cis-1,2-Dichloroethene	4.542	96	42237	9.935	ug/L	88
32) Bromochloromethane	4.729	128	22407	10.048	ug/L #	86
33) Cyclohexane	4.737	56	75049	9.837	ug/L	70
34) Chloroform	4.800	83	64306	9.977	ug/L	97
36) Carbon tetrachloride	4.932	117	63763	10.066	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2020\200701A\
Data File : V22200701A02.D
Acq On : 01 Jul 2020 09:10 am
Operator : VOA122:PD
Sample : WG1388388-4,31,10,10
Misc : WG1388388,ICAL16903
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 01 10:01:49 2020
Quant Method : I:\VOLATILES\VOA122\2020\200701A\V122_200617N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jun 18 17:18:38 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2020\200701A\V22200701A01.D
Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39) 1,1,1-Trichloroethane	5.002	97	62846	10.350	ug/L		97
41) 2-Butanone	5.104	43	12019	9.910	ug/L	#	69
44) Benzene	5.361	78	137887	8.720	ug/L	#	91
47) 1,2-Dichloroethane	5.564	62	52797	10.325	ug/L		98
50) Methyl cyclohexane	5.948	83	57702	8.581	ug/L	#	67
51) Trichloroethene	5.957	95	39074	8.932	ug/L		89
54) 1,2-Dichloropropane	6.493	63	38758	9.614	ug/L		96
57) Bromodichloromethane	6.562	83	46904	9.327	ug/L		99
60) 1,4-Dioxane	6.779	88	12753	702.762	ug/L	#	67
61) cis-1,3-Dichloropropene	7.254	75	52008	8.470	ug/L		93
64) Toluene	7.527	92	96378	9.144	ug/L		96
65) 4-Methyl-2-pentanone	7.964	58	9130	7.508	ug/L		87
66) Tetrachloroethene	7.964	166	48195	9.617	ug/L		98
68) trans-1,3-Dichloropropene	8.003	75	44665	8.383	ug/L		92
71) 1,1,2-Trichloroethane	8.190	83	22324	8.582	ug/L		96
72) Chlorodibromomethane	8.393	129	41529	9.150	ug/L		99
74) 1,2-Dibromoethane	8.666	107	29537	8.529	ug/L		99
76) 2-Hexanone	8.970	43	15198	6.836	ug/L		93
77) Chlorobenzene	9.321	112	117857	9.616	ug/L	#	82
78) Ethylbenzene	9.368	91	180493	9.225	ug/L		97
80) p/m Xylene	9.555	106	155781	19.199	ug/L		91
81) o Xylene	10.102	106	149509	18.895	ug/L		92
82) Styrene	10.172	104	238698	18.786	ug/L		94
84) Bromoform	10.180	173	23339	8.886	ug/L		98
86) Isopropylbenzene	10.492	105	114110	8.864	ug/L		95
91) 1,1,2,2-Tetrachloroethane	11.077	83	31927	8.296	ug/L		98
104) 1,3-Dichlorobenzene	11.981	146	101843	9.797	ug/L		99
105) 1,4-Dichlorobenzene	12.079	146	99059	9.644	ug/L		99
108) 1,2-Dichlorobenzene	12.503	146	89865	9.578	ug/L		98
110) 1,2-Dibromo-3-chloropr...	13.290	155	5877	7.921	ug/L		95
113) 1,2,4-Trichlorobenzene	13.930	180	47946	9.246	ug/L		98
115) 1,2,3-Trichlorobenzene	14.390	180	43876	9.299	ug/L		97

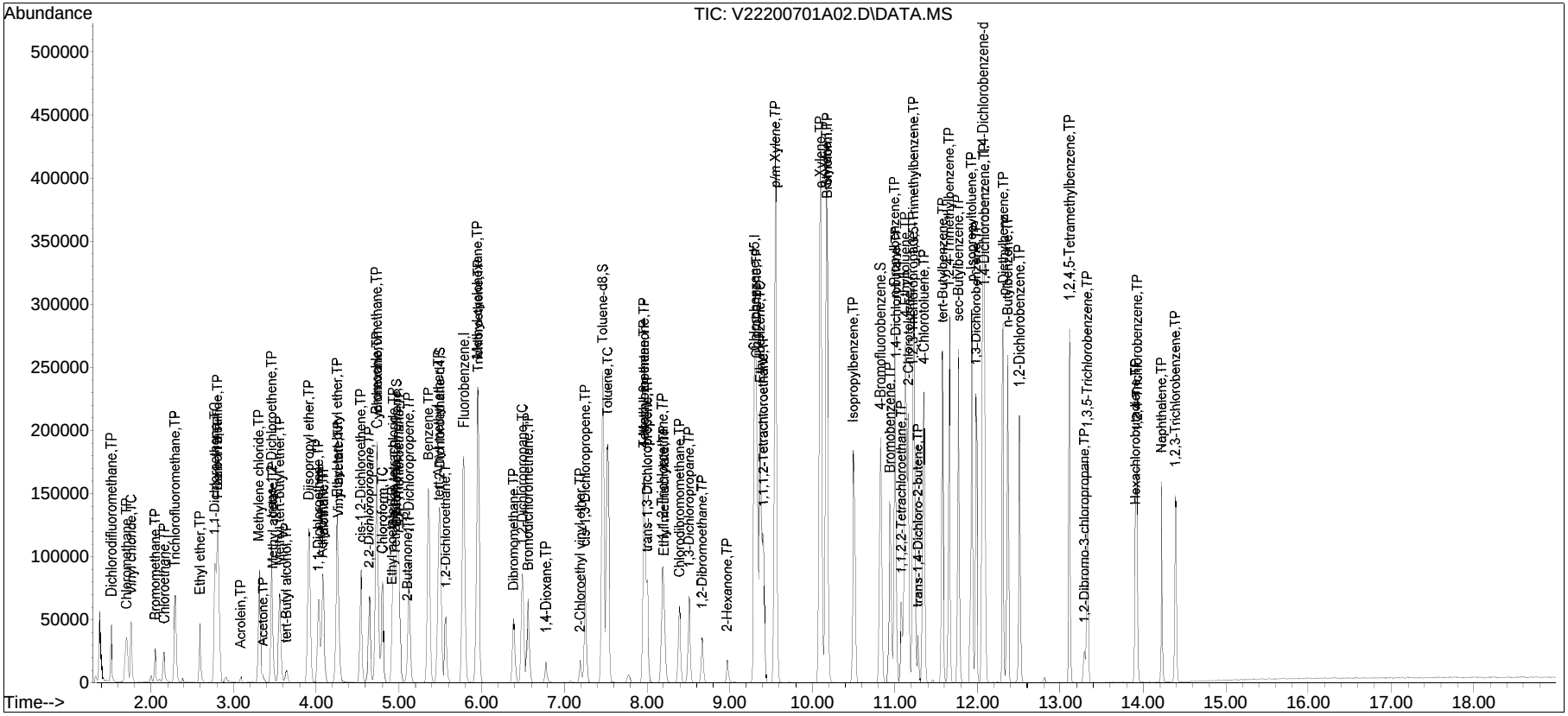
(#) = qualifier out of range (m) = manual integration (+) = signals summed

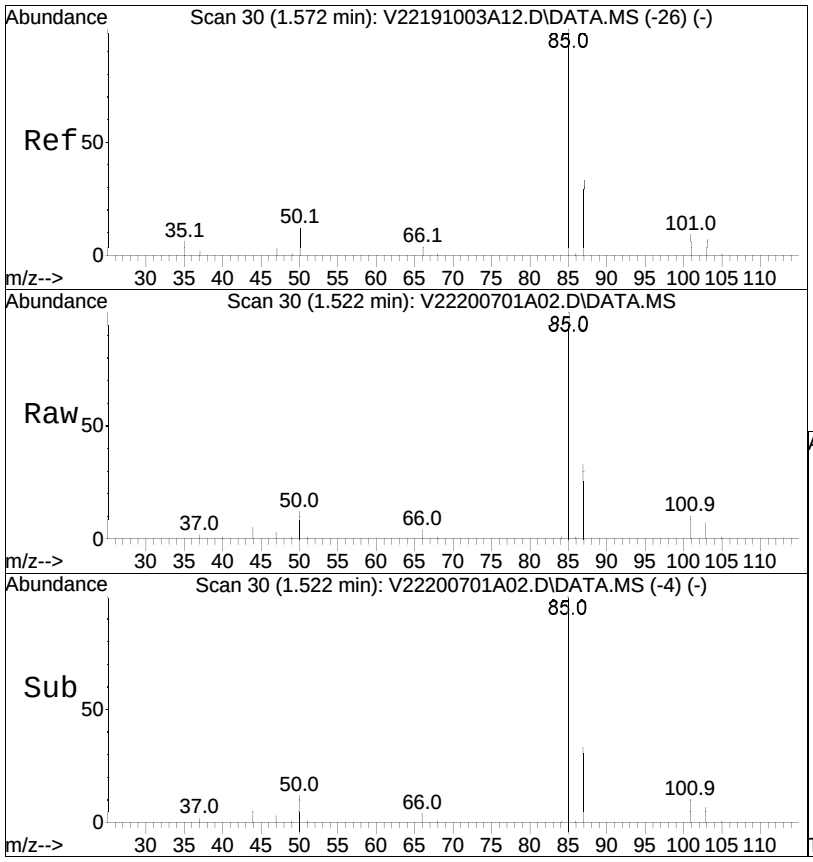
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2020\200701A\
Data File : V22200701A02.D
Acq On : 01 Jul 2020 09:10 am
Operator : VOA122:PD
Sample : WG1388388-4,31,10,10
Misc : WG1388388,ICAL16903
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 01 10:01:49 2020
Quant Method : I:\VOLATILES\VOA122\2020\200701A\V122_200617N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jun 18 17:18:38 2020
Response via : Initial Calibration

Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

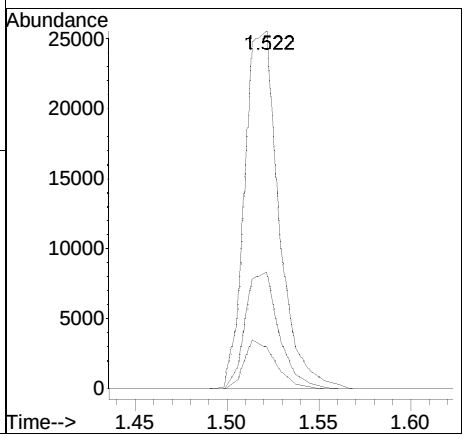


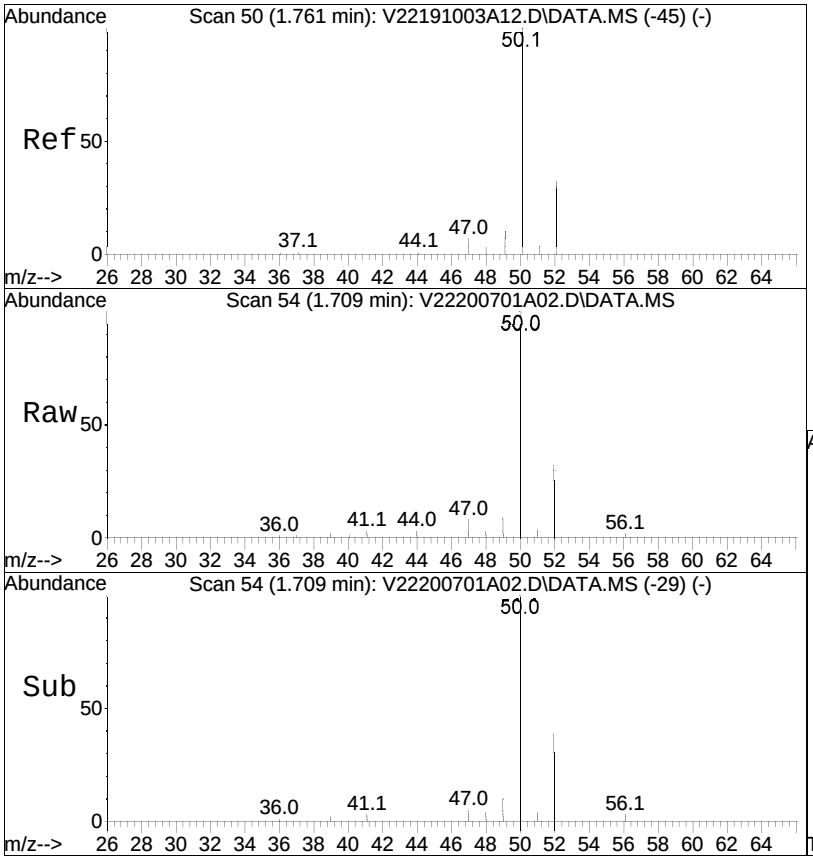


#2
Dichlorodifluoromethane
Concen: 9.20 ug/L
RT: 1.522 min Scan# 30
Delta R.T. -0.000 min
Lab File: V22200701A02.D
Acq: 01 Jul 2020 09:10 am

Tgt Ion: 85 Resp: 32850

Ion	Ratio	Lower	Upper
85	100		
87	32.1	20.7	42.9
50	12.7	6.8	14.2

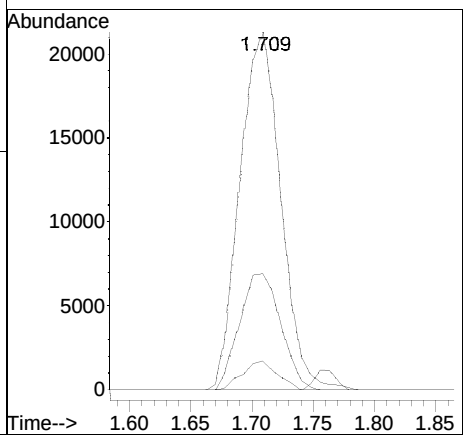


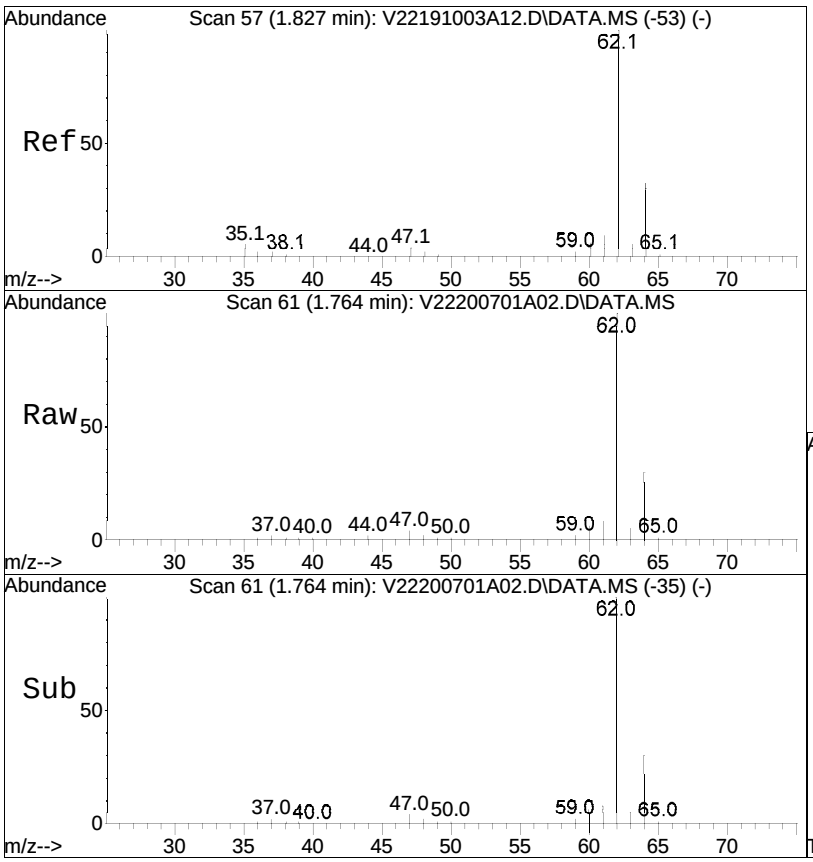


#3
Chloromethane
Concen: 10.69 ug/L
RT: 1.709 min Scan# 54
Delta R.T. -0.008 min
Lab File: V22200701A02.D
Acq: 01 Jul 2020 09:10 am

Tgt Ion: 50 Resp: 49116

Ion	Ratio	Lower	Upper
50	100		
52	32.8	12.8	52.8
47	6.9	0.0	30.0

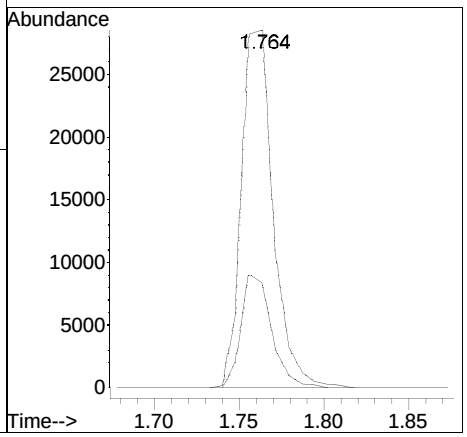


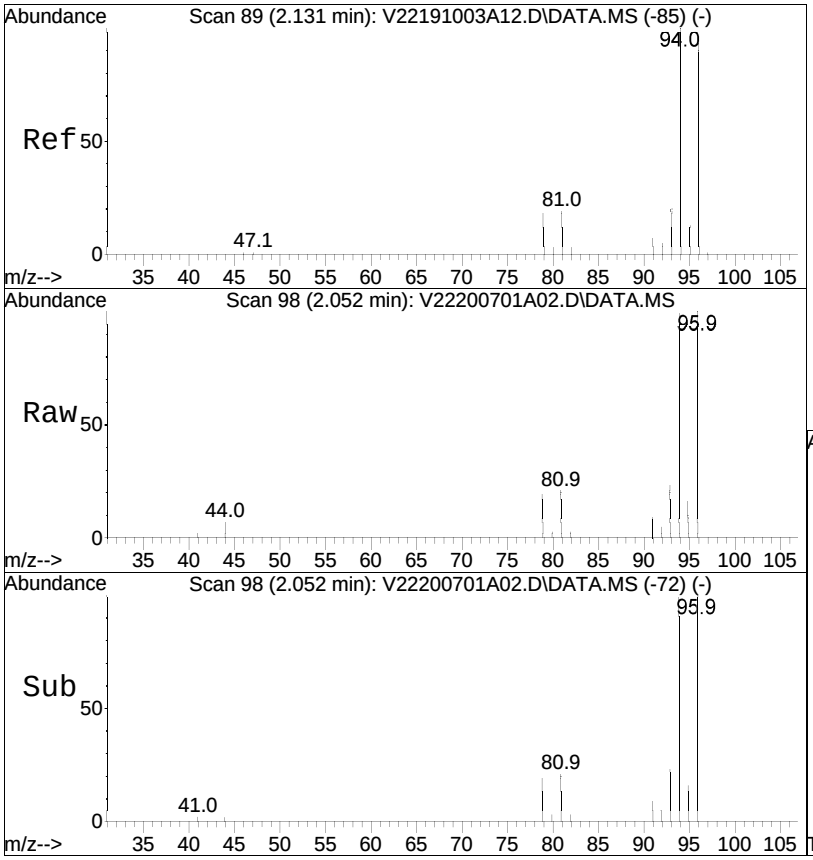


#4
Vinyl chloride
Concen: 8.97 ug/L
RT: 1.764 min Scan# 61
Delta R.T. -0.000 min
Lab File: V22200701A02.D
Acq: 01 Jul 2020 09:10 am

Tgt Ion: 62 Resp: 36874

Ion	Ratio	Lower	Upper
62	100		
64	30.5	12.0	52.0

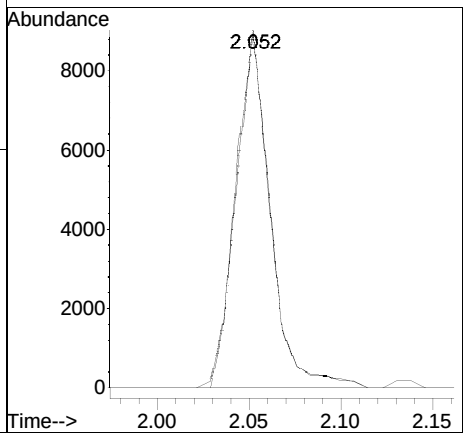


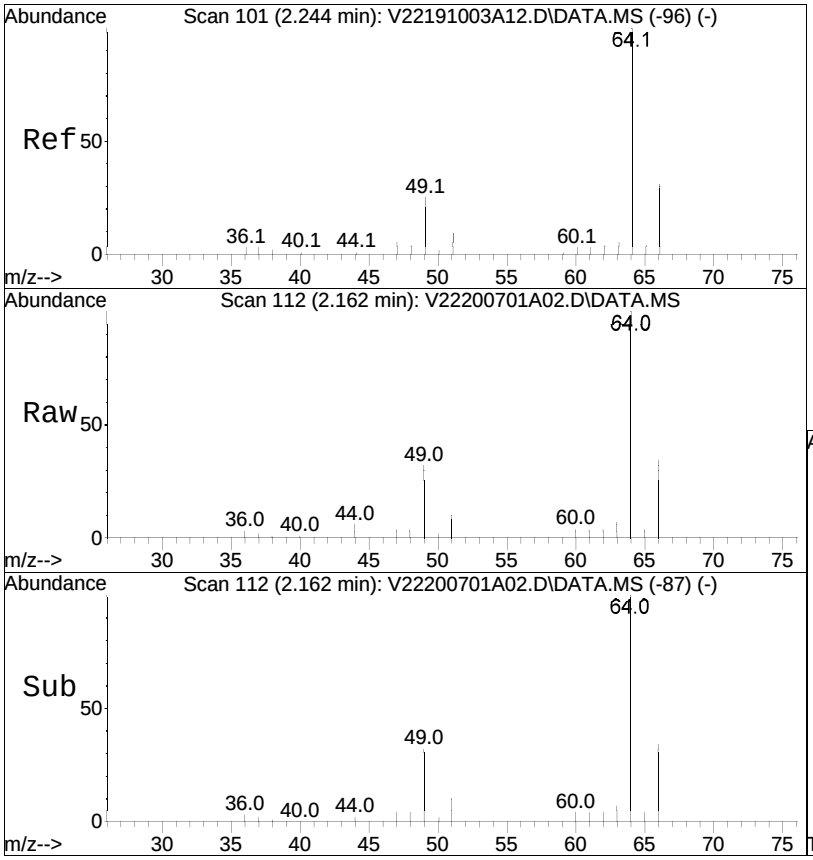


#5
Bromomethane
Concen: 5.79 ug/L
RT: 2.052 min Scan# 98
Delta R.T. -0.001 min
Lab File: V22200701A02.D
Acq: 01 Jul 2020 09:10 am

Tgt Ion: 94 Resp: 11687

Ion	Ratio	Lower	Upper
94	100		
96	98.9	72.8	112.8

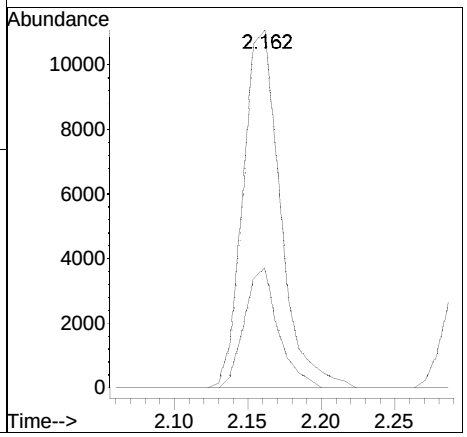


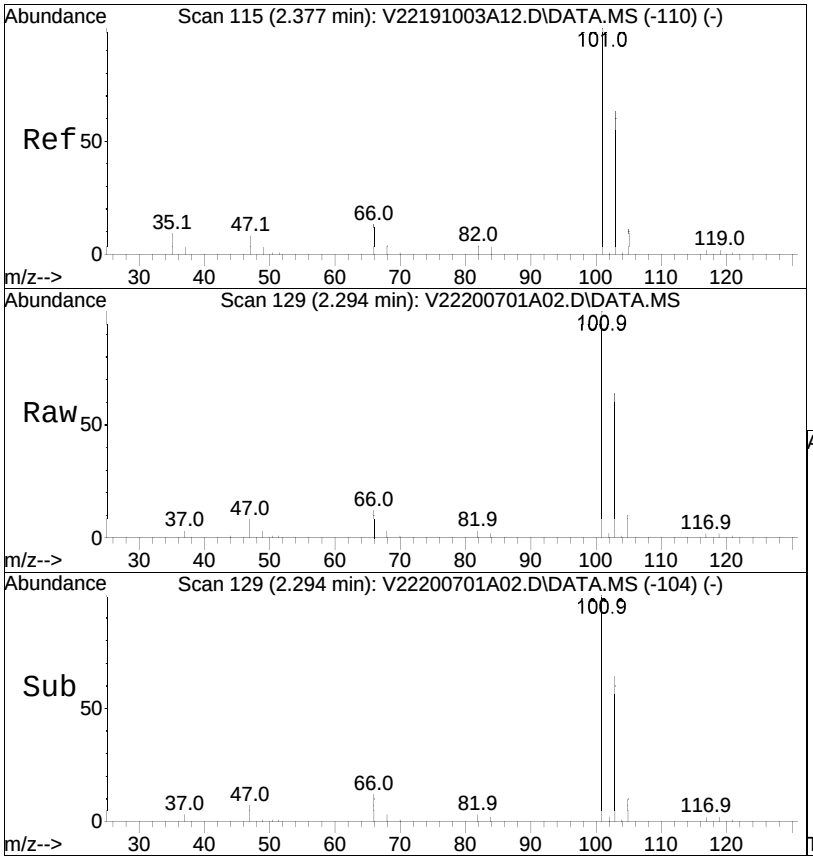


#6
Chloroethane
Concen: 8.99 ug/L
RT: 2.162 min Scan# 112
Delta R.T. -0.008 min
Lab File: V22200701A02.D
Acq: 01 Jul 2020 09:10 am

Tgt Ion: 64 Resp: 19500

Ion	Ratio	Lower	Upper
64	100		
66	30.5	12.2	52.2

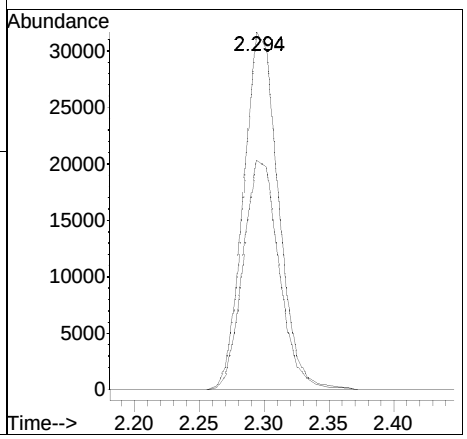


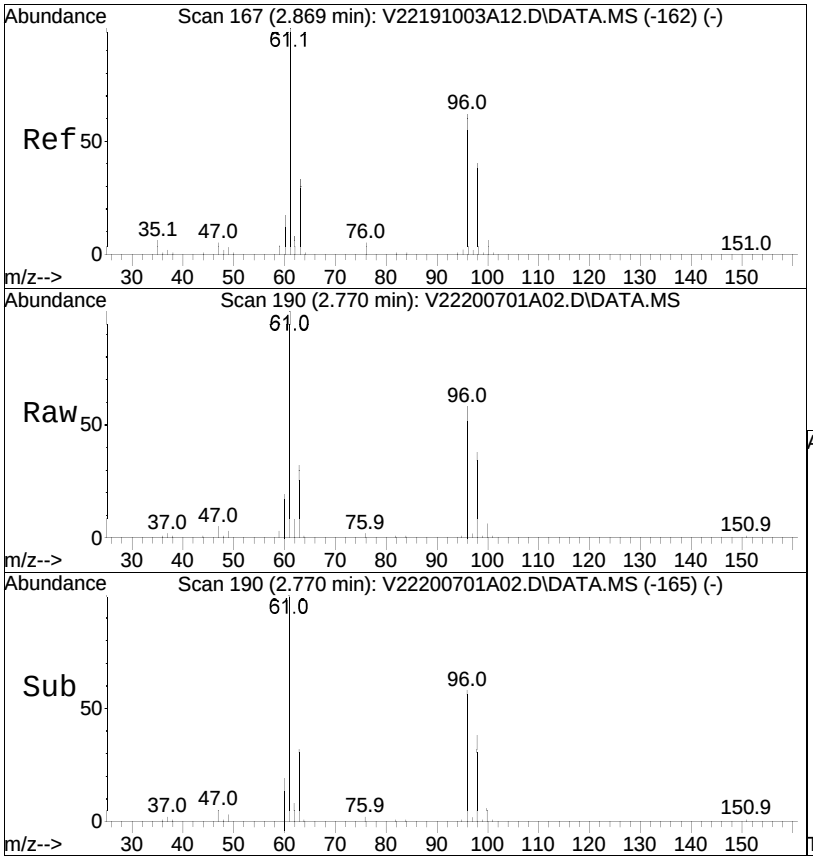


#7
Trichlorofluoromethane
Concen: 10.25 ug/L
RT: 2.294 min Scan# 129
Delta R.T. -0.008 min
Lab File: V22200701A02.D
Acq: 01 Jul 2020 09:10 am

Tgt Ion:101 Resp: 58792

Ion	Ratio	Lower	Upper
101	100		
103	66.2	51.6	77.4

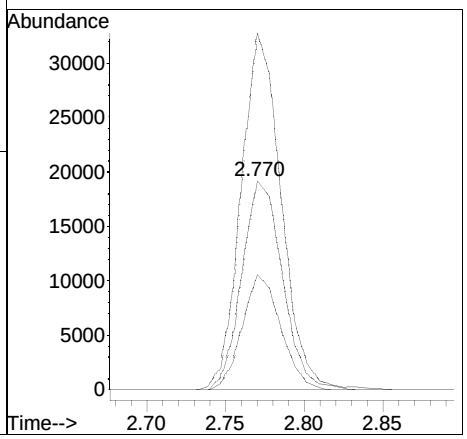


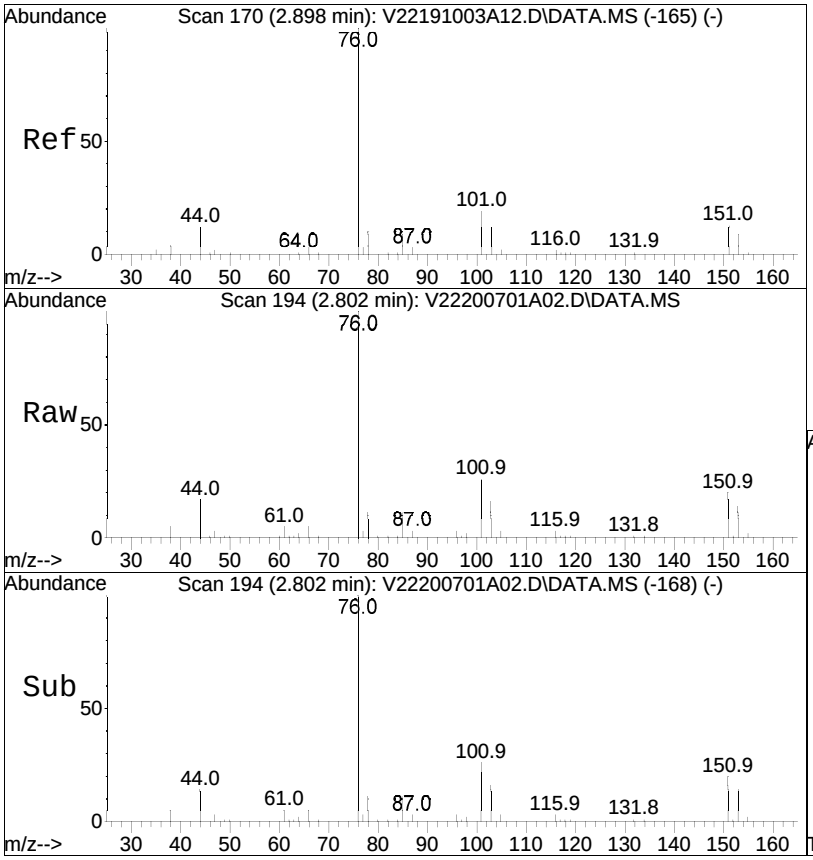


#10
1,1-Dichloroethene
Concen: 9.51 ug/L
RT: 2.770 min Scan# 190
Delta R.T. -0.008 min
Lab File: V22200701A02.D
Acq: 01 Jul 2020 09:10 am

Tgt Ion: 96 Resp: 34127

Ion	Ratio	Lower	Upper
96	100		
61	169.1	117.0	175.4
63	52.6	37.8	56.6

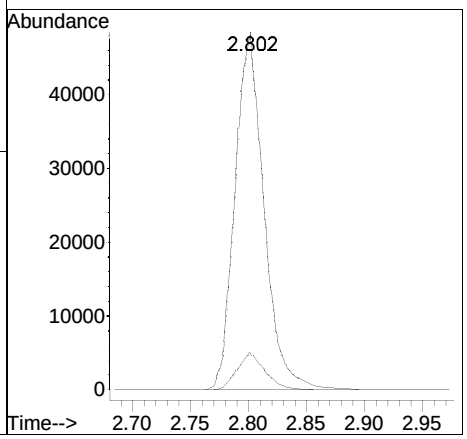


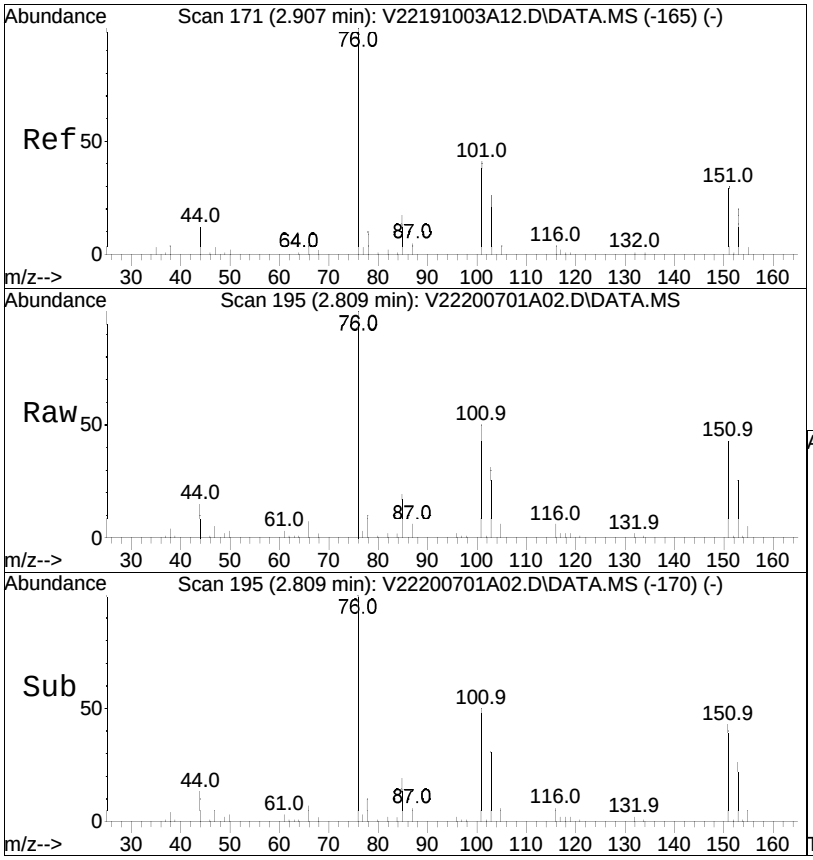


#11
Carbon disulfide
Concen: 9.37 ug/L
RT: 2.802 min Scan# 194
Delta R.T. -0.000 min
Lab File: V22200701A02.D
Acq: 01 Jul 2020 09:10 am

Tgt Ion: 76 Resp: 83402

Ion	Ratio	Lower	Upper
76	100		
78	10.2	6.4	13.4

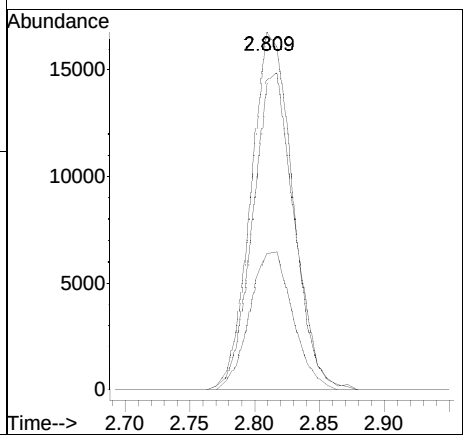


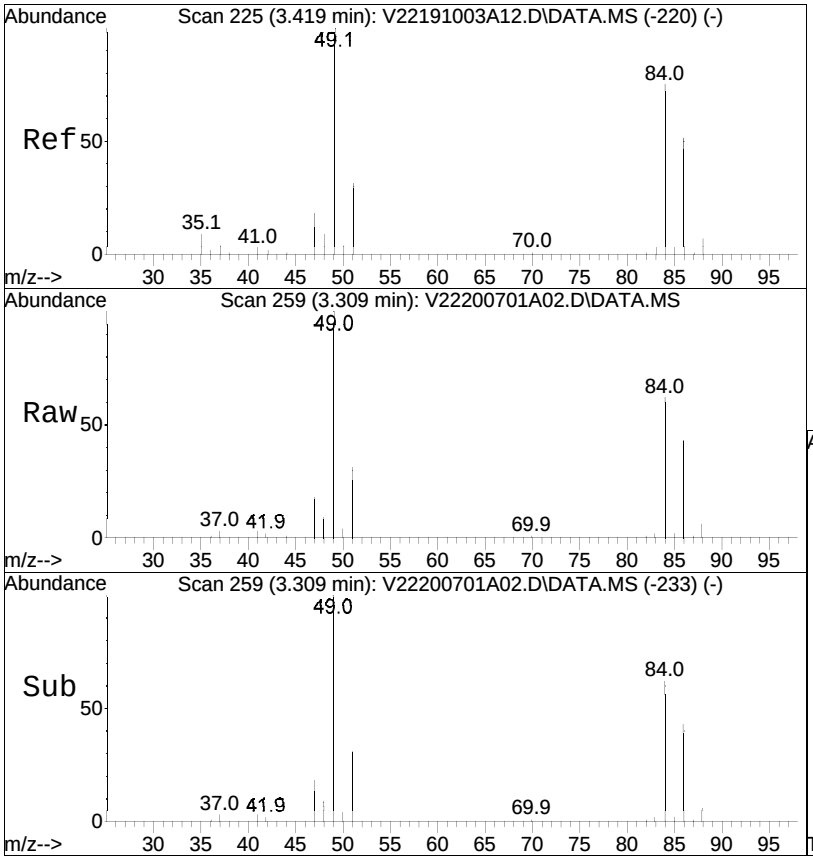


#12
Freon-113
Concen: 10.26 ug/L
RT: 2.809 min Scan# 195
Delta R.T. -0.008 min
Lab File: V22200701A02.D
Acq: 01 Jul 2020 09:10 am

Tgt Ion:101 Resp: 37491

Ion	Ratio	Lower	Upper
101	100		
151	86.8	68.5	102.7
85	39.7	33.1	49.7

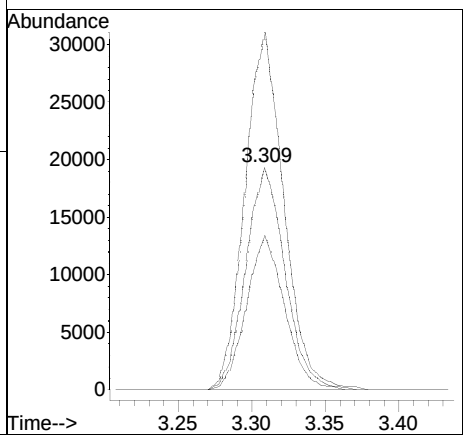


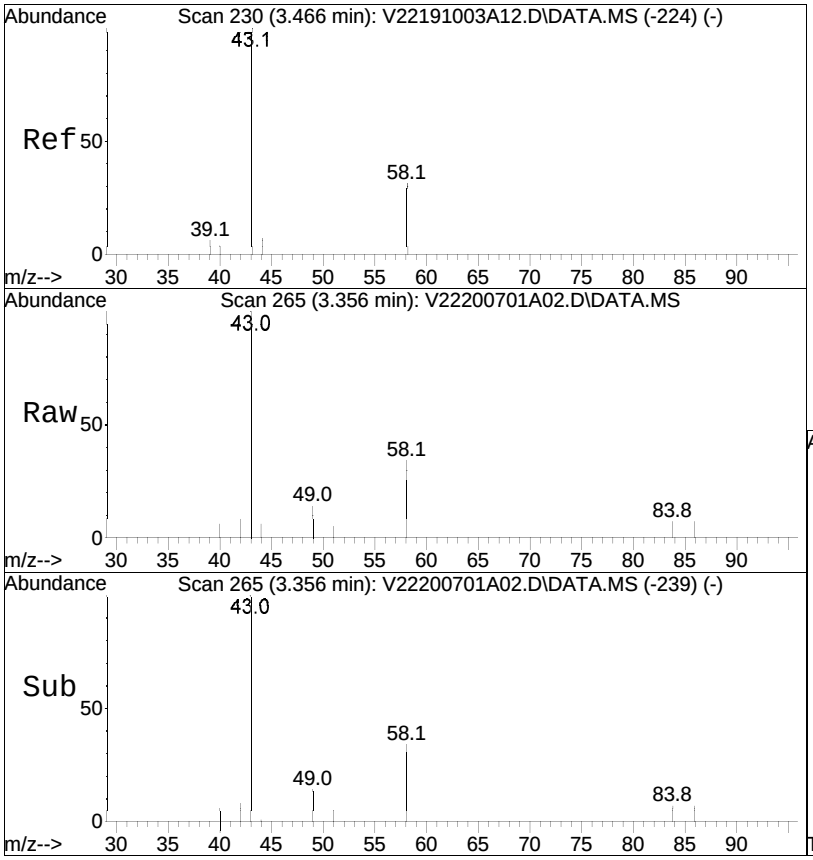


#15
Methylene chloride
Concen: 9.23 ug/L
RT: 3.309 min Scan# 259
Delta R.T. -0.000 min
Lab File: V22200701A02.D
Acq: 01 Jul 2020 09:10 am

Tgt Ion: 84 Resp: 35548

Ion	Ratio	Lower	Upper
84	100		
86	67.8	41.5	86.3
49	159.4	68.8	143.0#

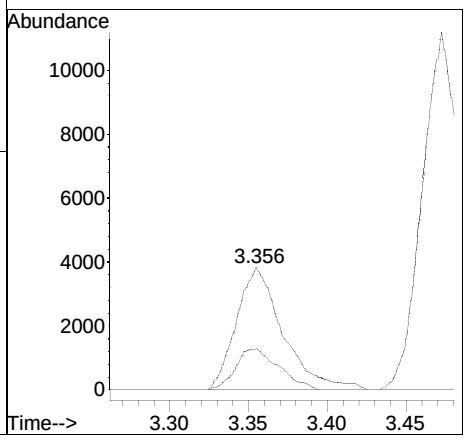


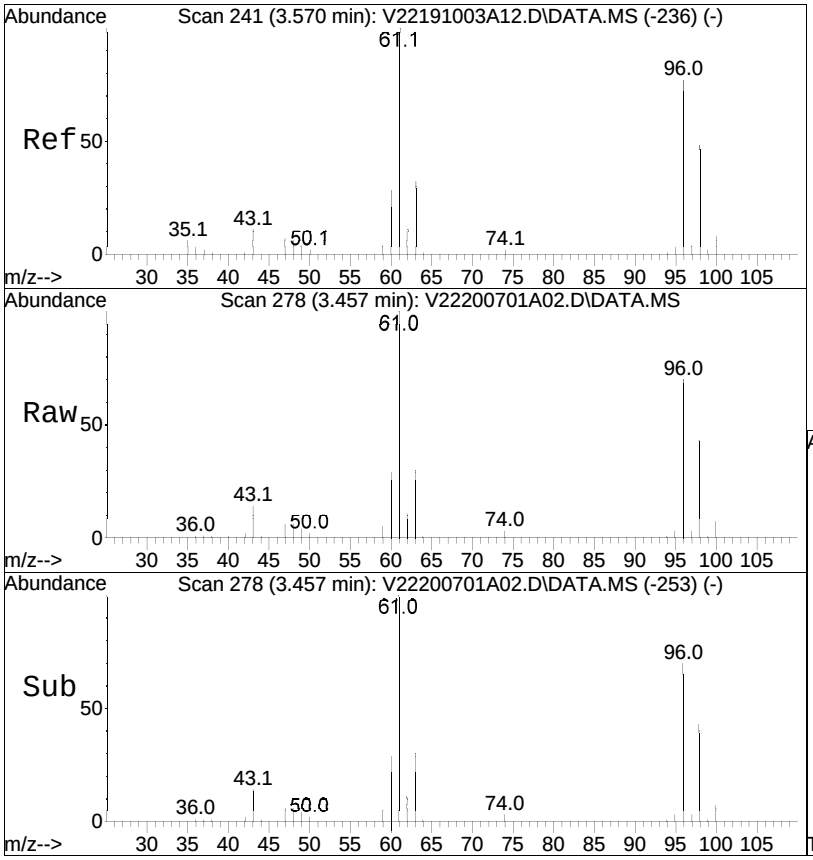


#17
Acetone
Concen: 10.60 ug/L
RT: 3.356 min Scan# 265
Delta R.T. -0.000 min
Lab File: V22200701A02.D
Acq: 01 Jul 2020 09:10 am

Tgt Ion: 43 Resp: 7863

Ion	Ratio	Lower	Upper
43	100		
58	31.3	23.1	34.7

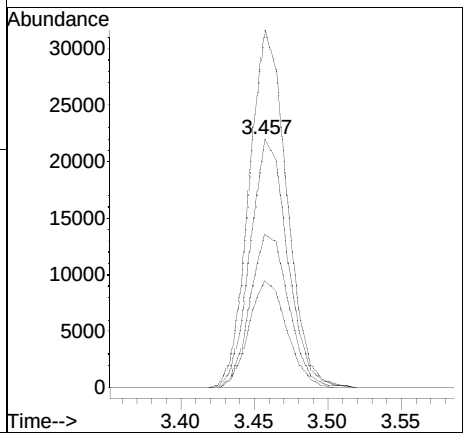


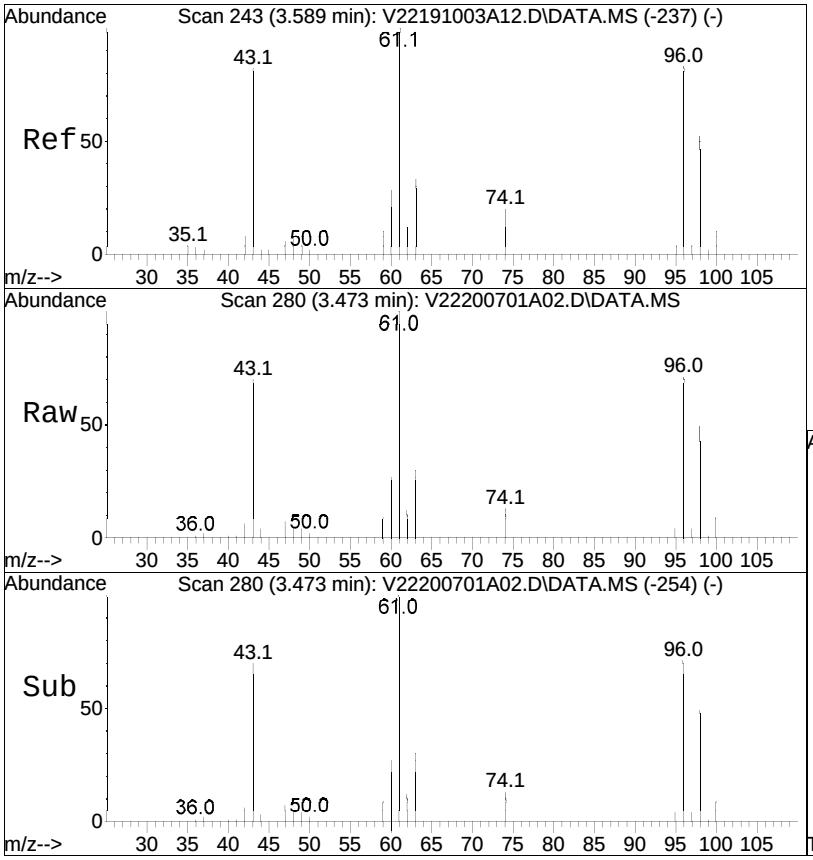


#18
trans-1,2-Dichloroethene
Concen: 9.85 ug/L
RT: 3.457 min Scan# 278
Delta R.T. -0.008 min
Lab File: V22200701A02.D
Acq: 01 Jul 2020 09:10 am

Tgt Ion: 96 Resp: 38809

Ion	Ratio	Lower	Upper
96	100		
61	144.9	81.6	169.6
98	64.0	41.8	86.8
63	43.9	26.3	54.7

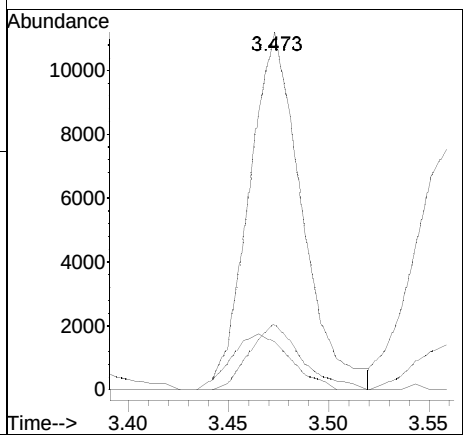


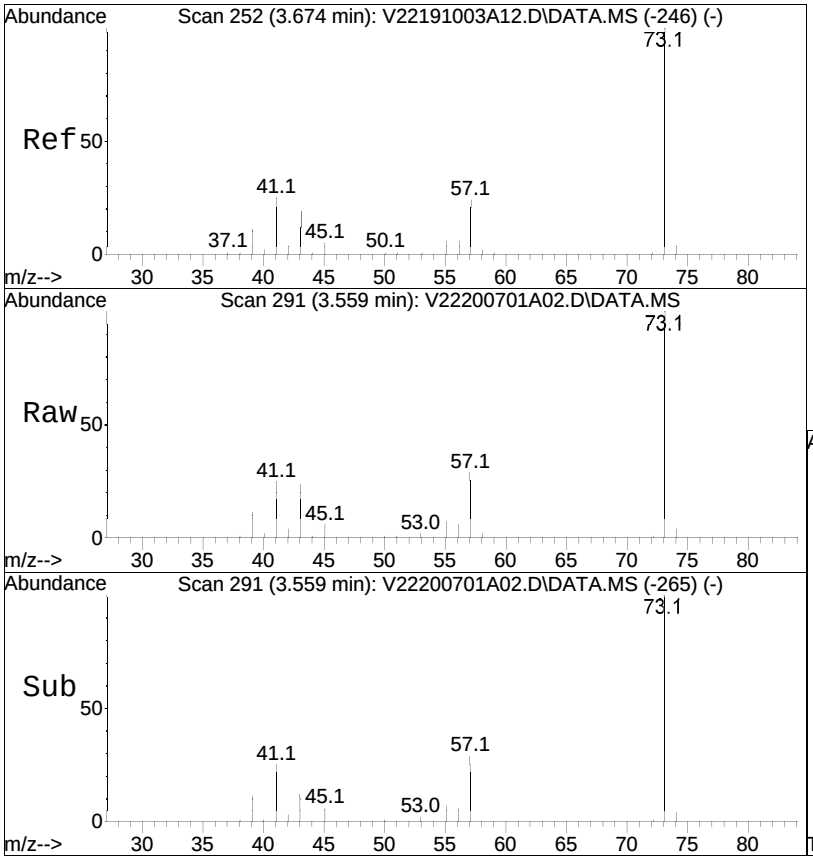


#19
Methyl acetate
Concen: 9.77 ug/L
RT: 3.473 min Scan# 280
Delta R.T. -0.000 min
Lab File: V22200701A02.D
Acq: 01 Jul 2020 09:10 am

Tgt Ion: 43 Resp: 20550

Ion	Ratio	Lower	Upper
43	100		
74	18.0	21.8	32.6#
59	17.3	18.1	27.1#

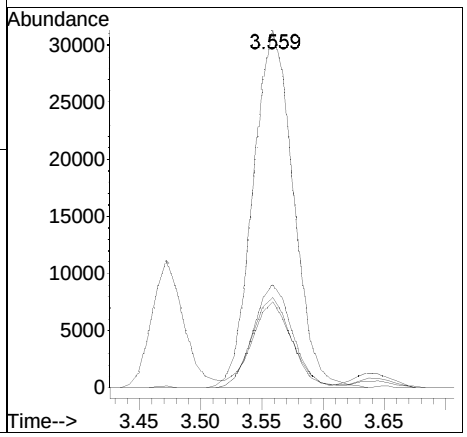


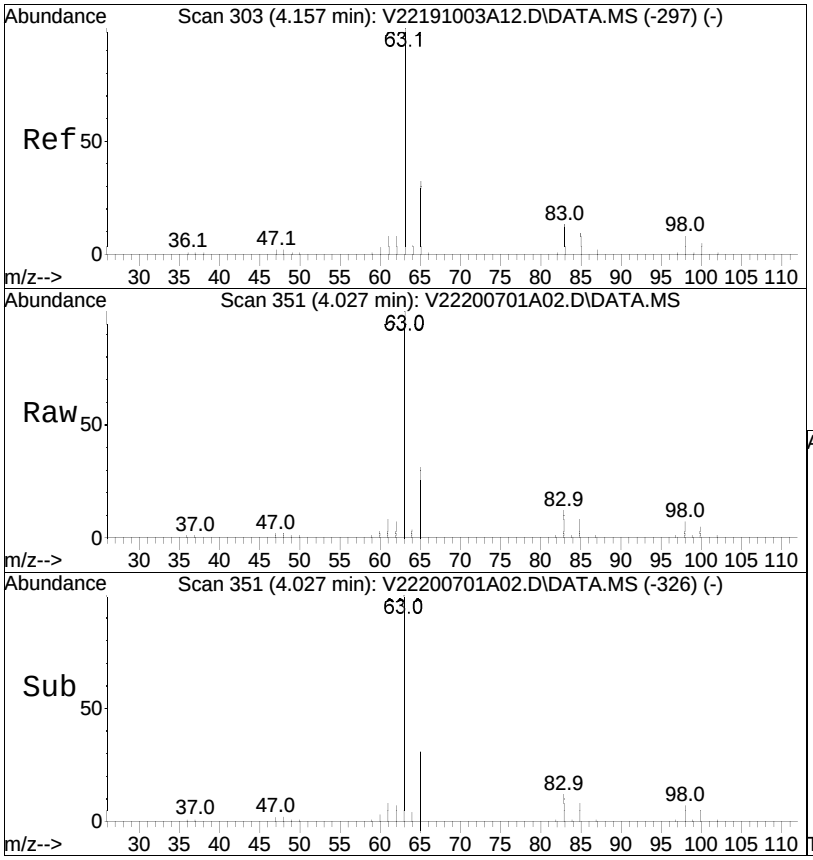


#21
Methyl tert-butyl ether
Concen: 8.46 ug/L
RT: 3.559 min Scan# 291
Delta R.T. -0.000 min
Lab File: V22200701A02.D
Acq: 01 Jul 2020 09:10 am

Tgt Ion: 73 Resp: 71241

Ion	Ratio	Lower	Upper
73	100		
57	28.3	13.6	28.2#
43	24.0	12.7	26.5
41	25.2	11.4	23.8#

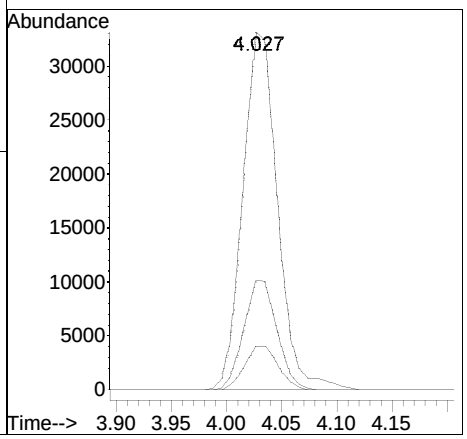


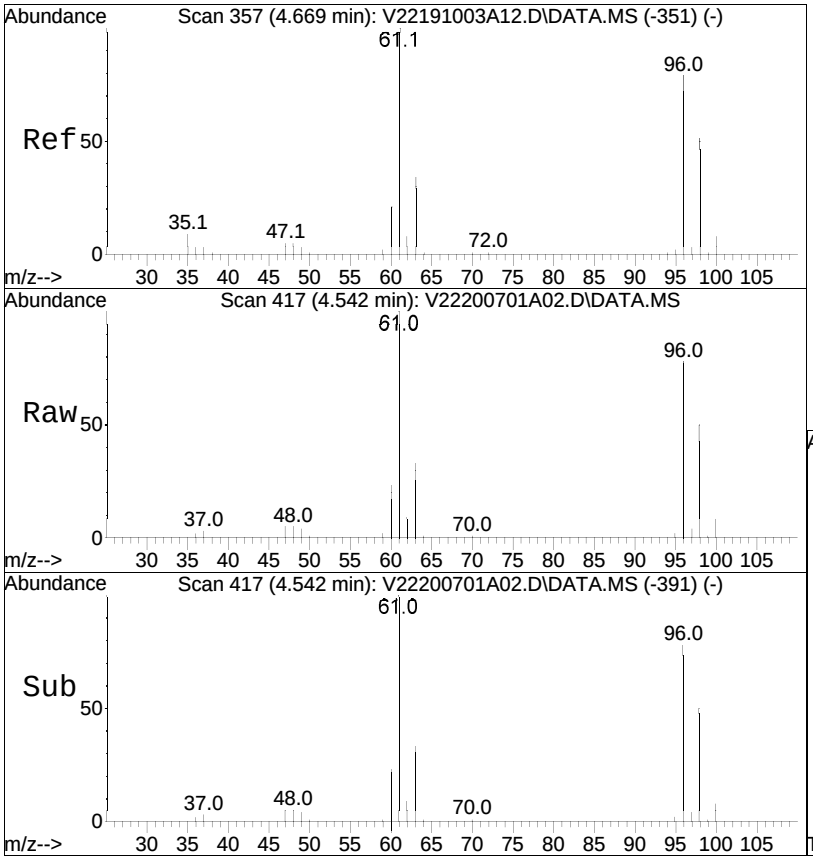


#25
1,1-Dichloroethane
Concen: 10.22 ug/L
RT: 4.027 min Scan# 351
Delta R.T. -0.008 min
Lab File: V22200701A02.D
Acq: 01 Jul 2020 09:10 am

Tgt Ion: 63 Resp: 71692

Ion	Ratio	Lower	Upper
63	100		
65	29.3	11.9	51.9
83	11.9	0.0	34.2

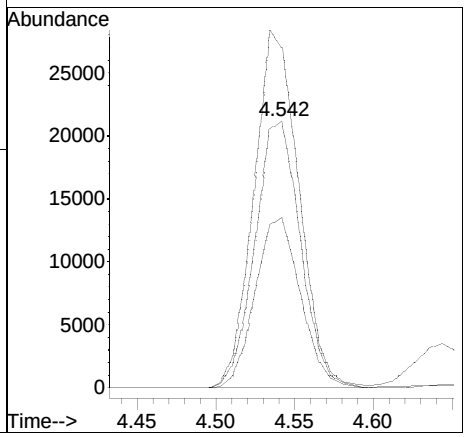


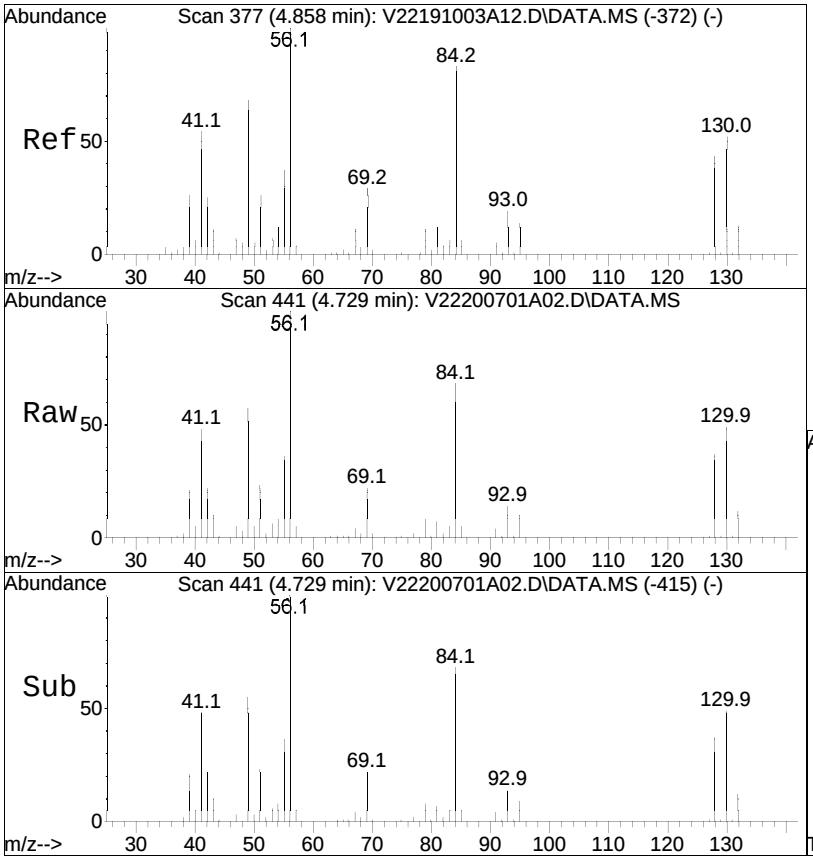


#30
cis-1,2-Dichloroethene
Concen: 9.94 ug/L
RT: 4.542 min Scan# 417
Delta R.T. -0.000 min
Lab File: V22200701A02.D
Acq: 01 Jul 2020 09:10 am

Tgt Ion: 96 Resp: 42237

Ion	Ratio	Lower	Upper
96	100		
61	133.1	90.3	135.5
98	64.0	50.8	76.2

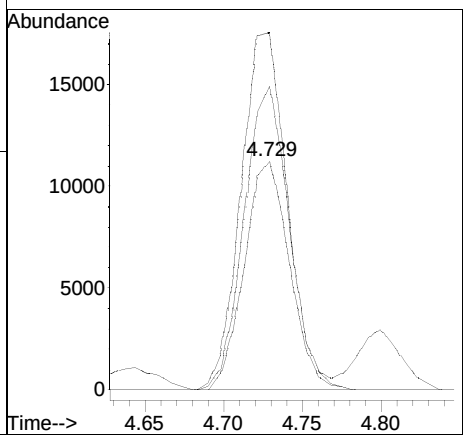


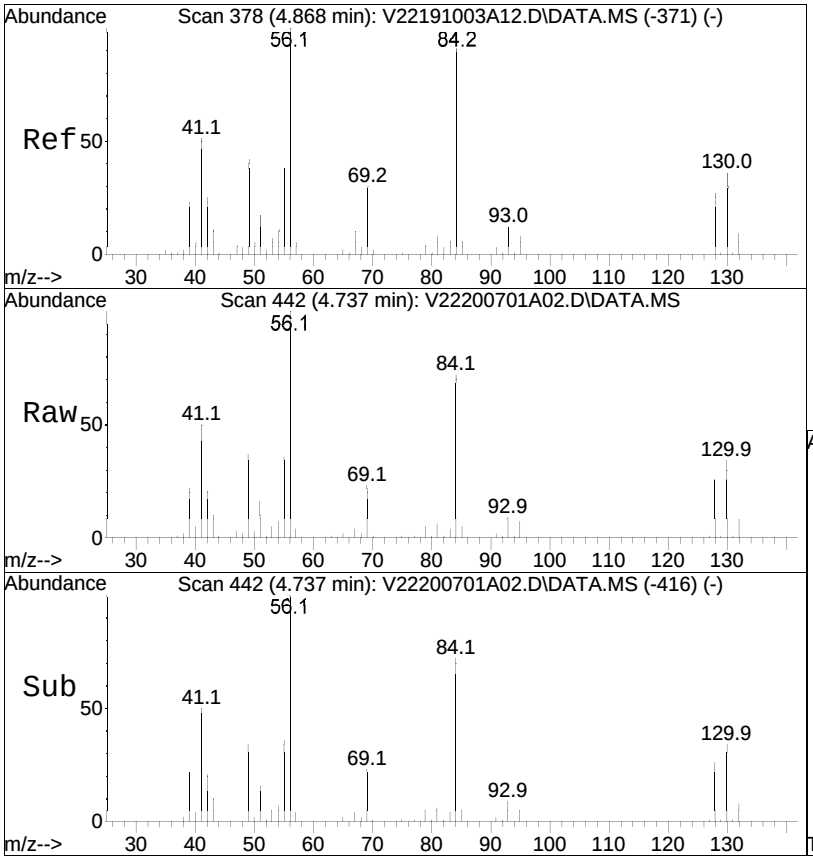


#32
Bromochloromethane
Concen: 10.05 ug/L
RT: 4.729 min Scan# 441
Delta R.T. 0.000 min
Lab File: V22200701A02.D
Acq: 01 Jul 2020 09:10 am

Tgt Ion:128 Resp: 22407

Ion	Ratio	Lower	Upper
128	100		
49	159.6	104.4	156.6#
130	132.4	103.9	155.9

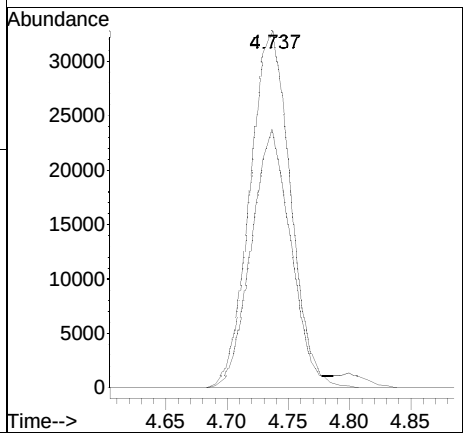


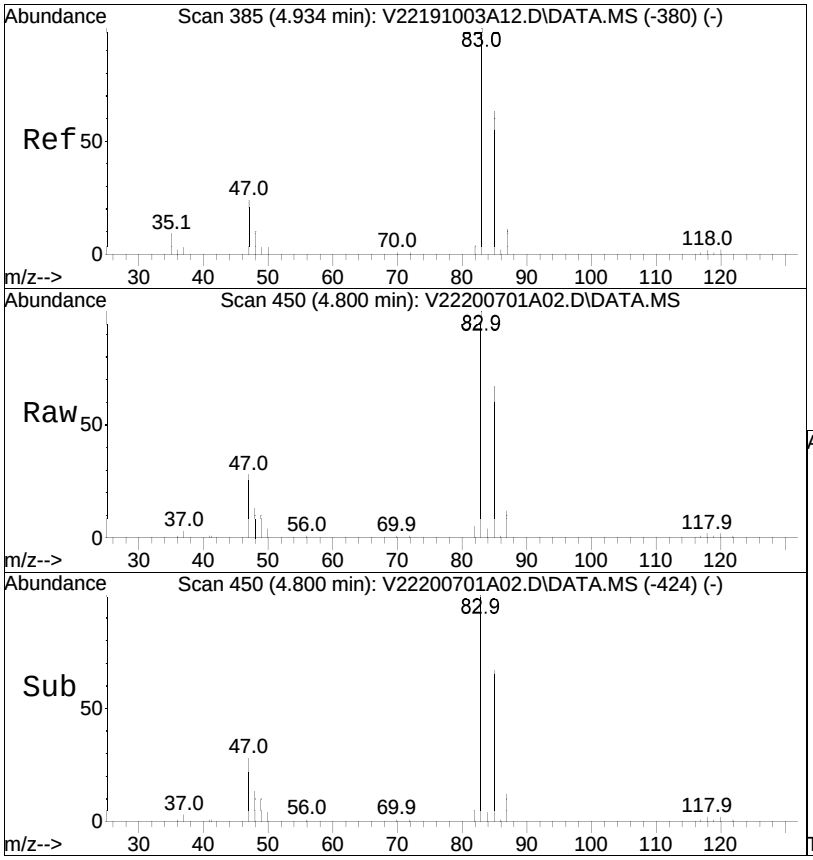


#33
Cyclohexane
Concen: 9.84 ug/L
RT: 4.737 min Scan# 442
Delta R.T. 0.000 min
Lab File: V22200701A02.D
Acq: 01 Jul 2020 09:10 am

Tgt Ion: 56 Resp: 75049

Ion	Ratio	Lower	Upper
56	100		
84	71.1	66.0	137.2

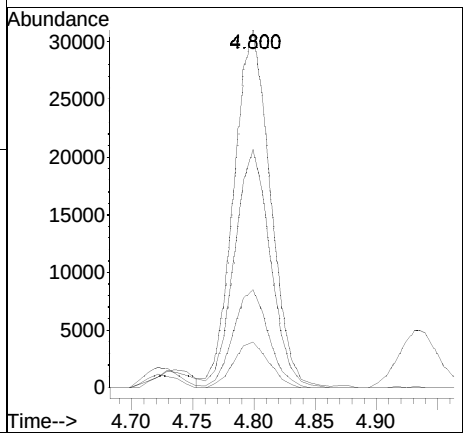


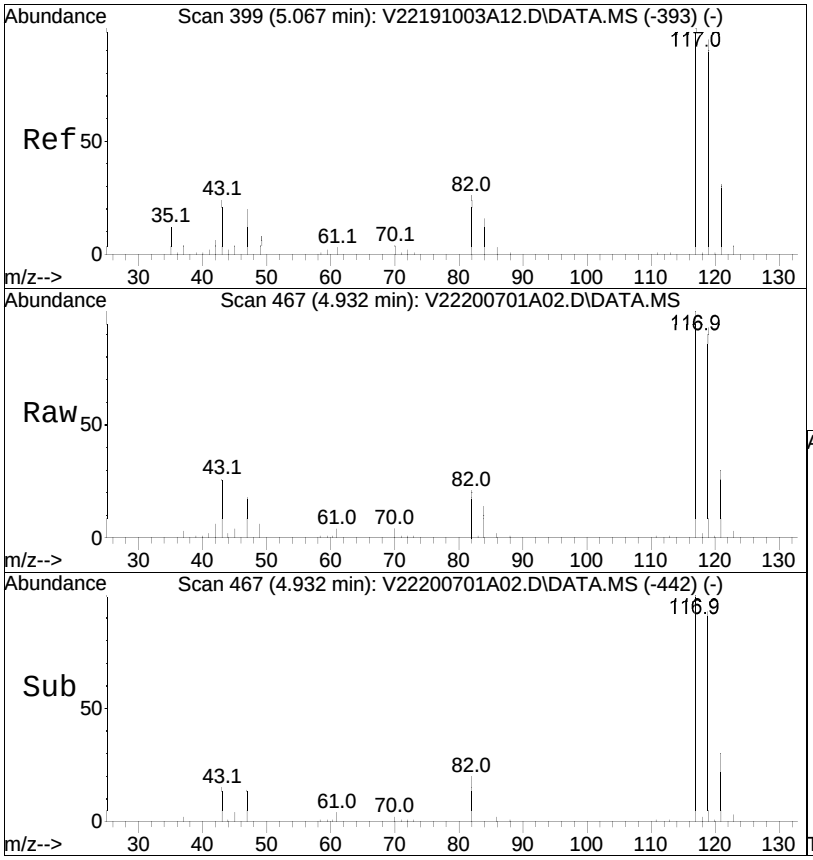


#34
Chloroform
Concen: 9.98 ug/L
RT: 4.800 min Scan# 450
Delta R.T. -0.000 min
Lab File: V22200701A02.D
Acq: 01 Jul 2020 09:10 am

Tgt Ion: 83 Resp: 64306

Ion	Ratio	Lower	Upper
83	100		
85	65.1	42.4	88.2
47	26.5	14.0	29.0
48	12.5	6.9	14.3

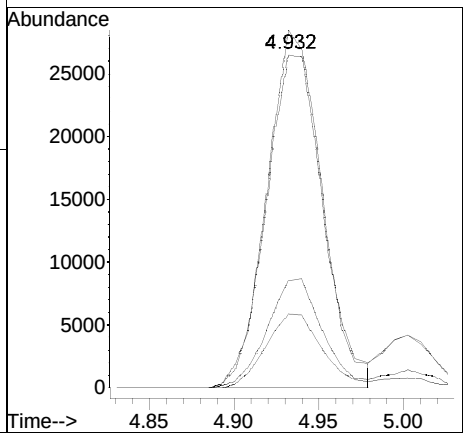


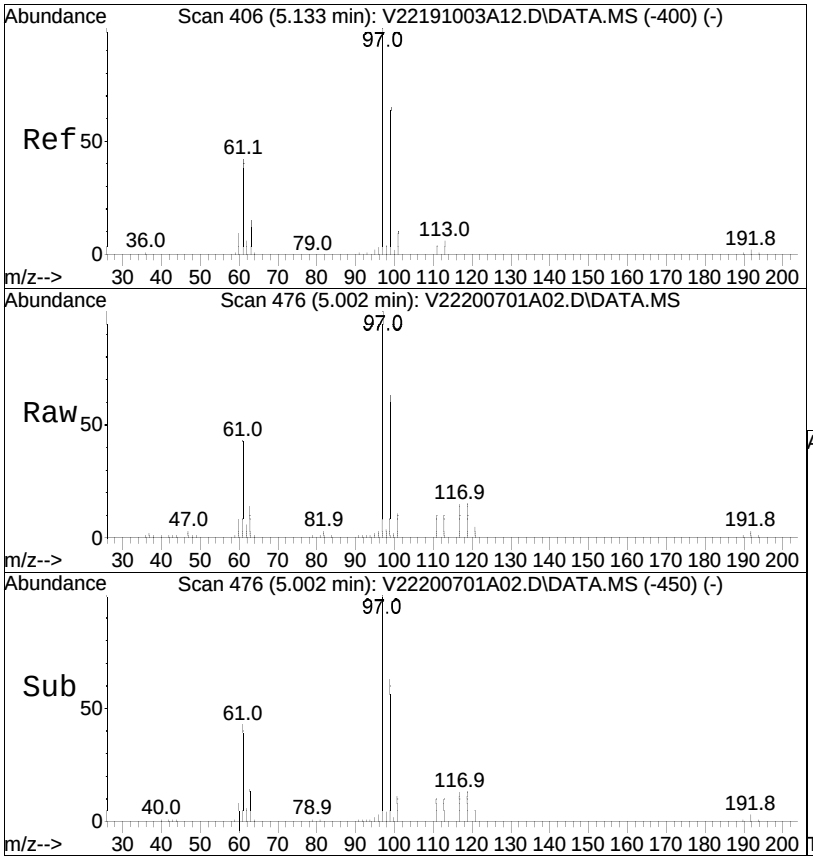


#36
Carbon tetrachloride
Concen: 10.07 ug/L
RT: 4.932 min Scan# 467
Delta R.T. -0.008 min
Lab File: V22200701A02.D
Acq: 01 Jul 2020 09:10 am

Tgt Ion:117 Resp: 63763

Ion	Ratio	Lower	Upper
117	100		
119	96.4	62.1	129.1
121	30.9	20.3	42.3
82	21.5	15.4	32.0

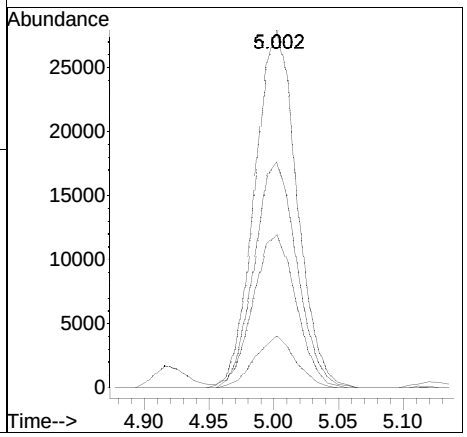


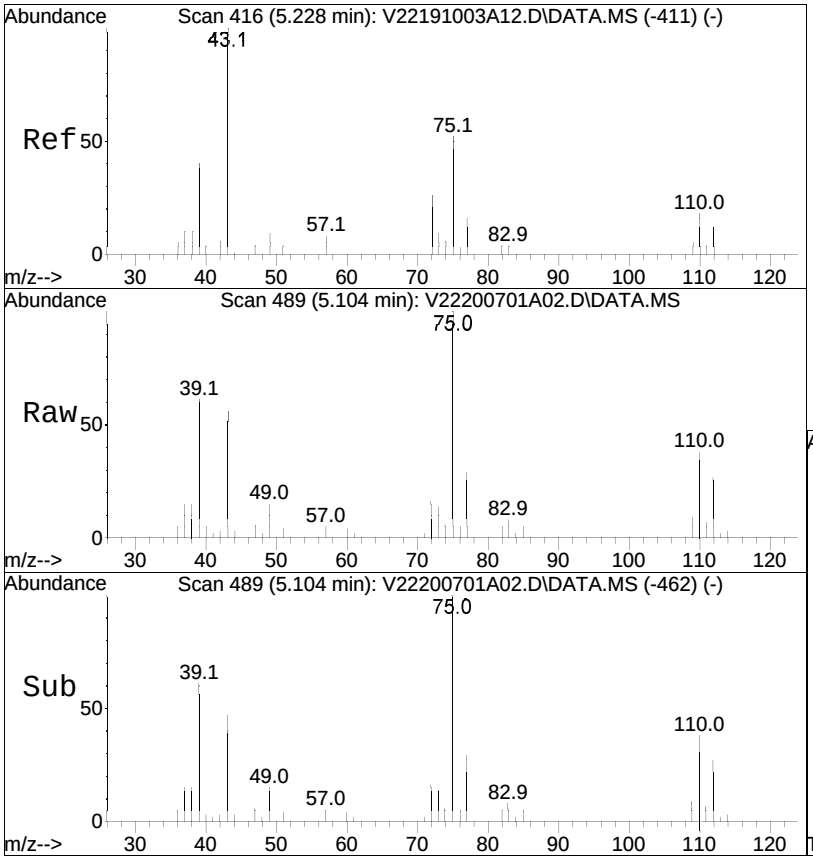


#39
1,1,1-Trichloroethane
Concen: 10.35 ug/L
RT: 5.002 min Scan# 476
Delta R.T. -0.001 min
Lab File: V22200701A02.D
Acq: 01 Jul 2020 09:10 am

Tgt Ion: 97 Resp: 62846

Ion	Ratio	Lower	Upper
97	100		
99	63.9	42.4	88.0
61	44.0	26.0	54.0
63	14.0	8.3	17.3

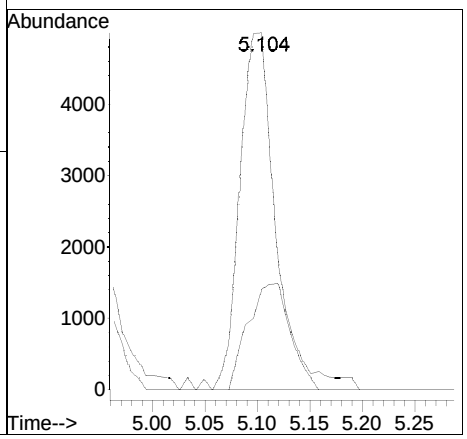


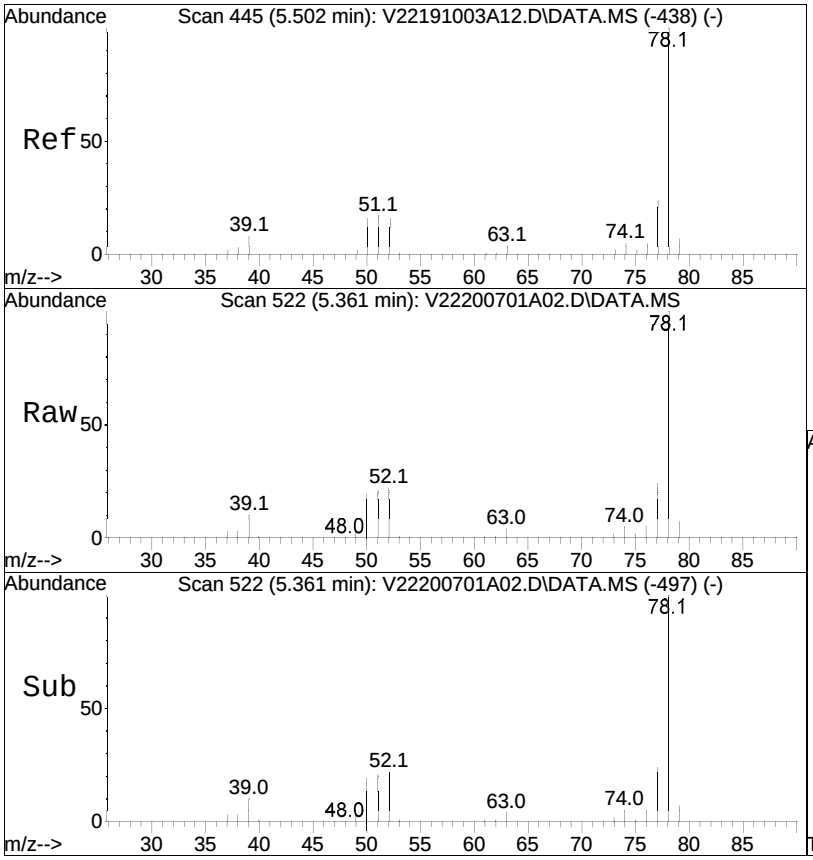


#41
2-Butanone
Concen: 9.91 ug/L
RT: 5.104 min Scan# 489
Delta R.T. 0.008 min
Lab File: V22200701A02.D
Acq: 01 Jul 2020 09:10 am

Tgt Ion: 43 Resp: 12019

Ion	Ratio	Lower	Upper
43	100		
72	34.6	45.8	68.8#

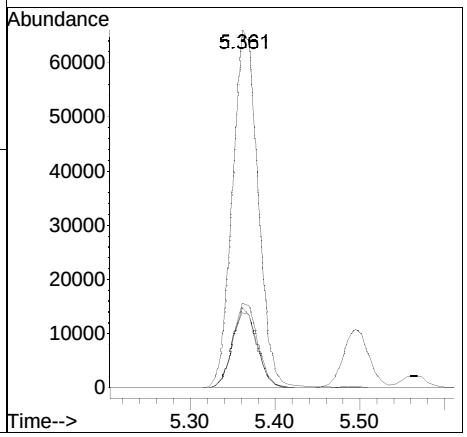


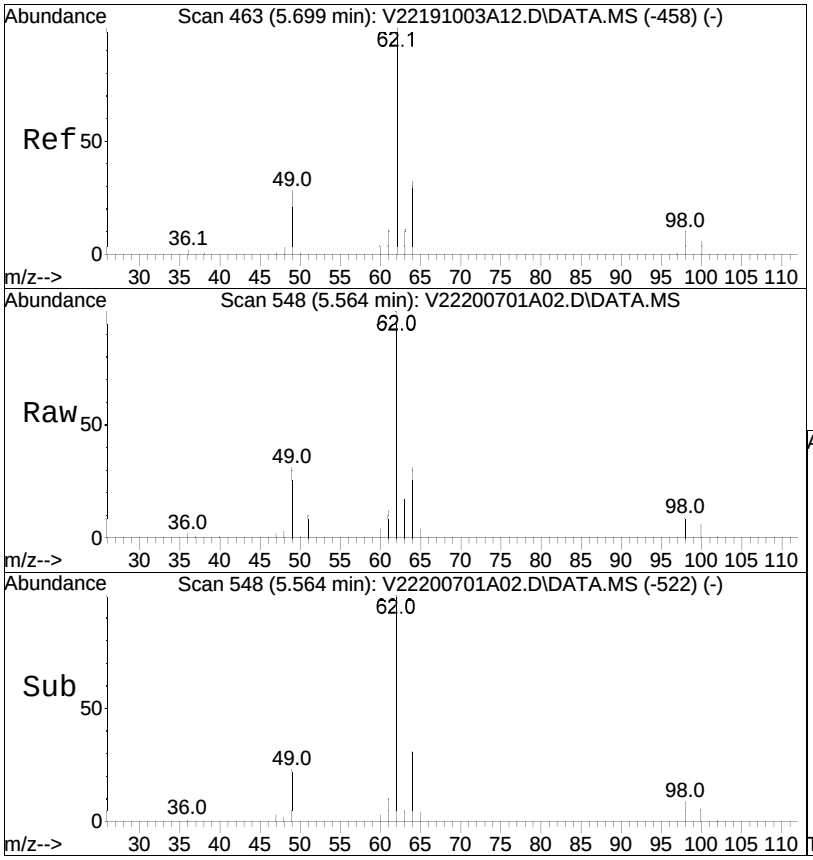


#44
Benzene
Concen: 8.72 ug/L
RT: 5.361 min Scan# 522
Delta R.T. -0.008 min
Lab File: V22200701A02.D
Acq: 01 Jul 2020 09:10 am

Tgt Ion: 78 Resp: 137887

Ion	Ratio	Lower	Upper
78	100		
77	23.5	15.4	32.0
51	21.1	9.8	20.4#
52	21.3	9.2	19.2#

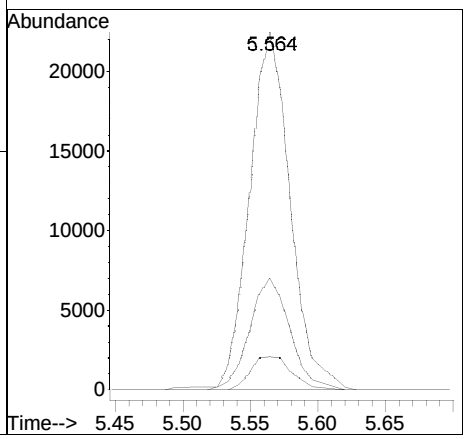


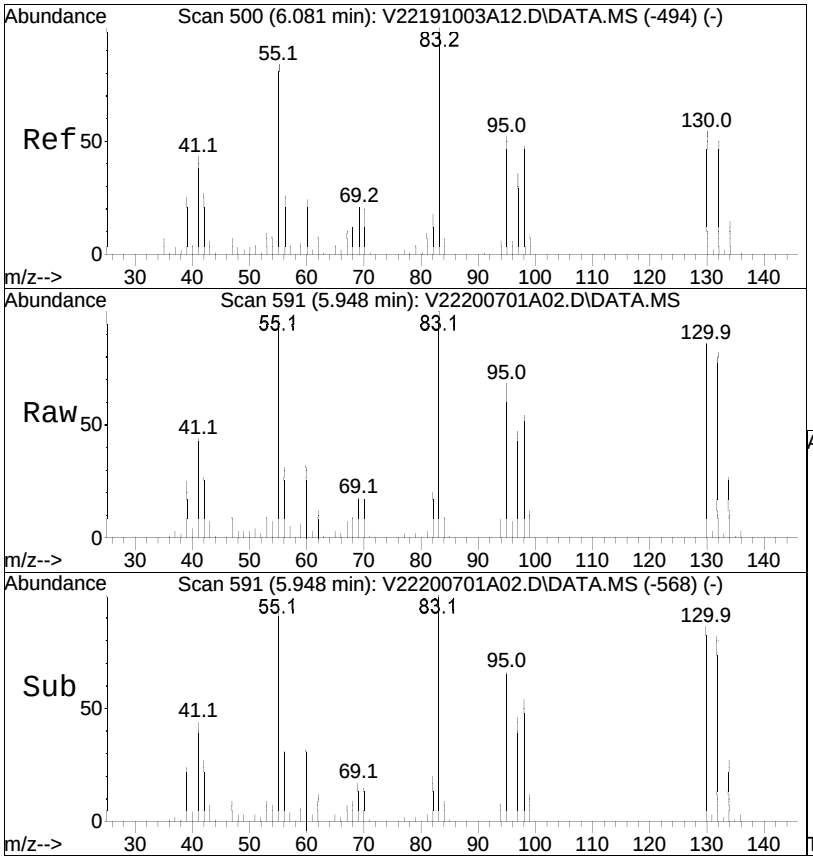


#47
1,2-Dichloroethane
Concen: 10.32 ug/L
RT: 5.564 min Scan# 548
Delta R.T. -0.001 min
Lab File: V22200701A02.D
Acq: 01 Jul 2020 09:10 am

Tgt Ion: 62 Resp: 52797

Ion	Ratio	Lower	Upper
62	100		
64	31.0	12.3	52.3
98	9.9	0.0	30.3

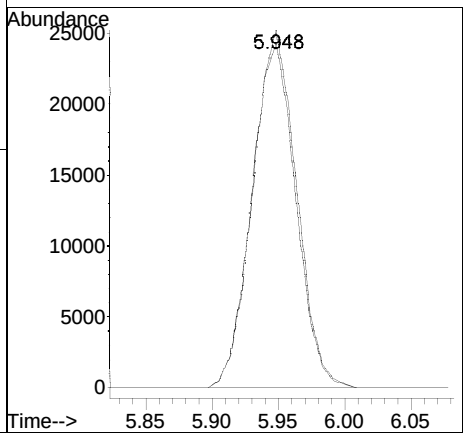


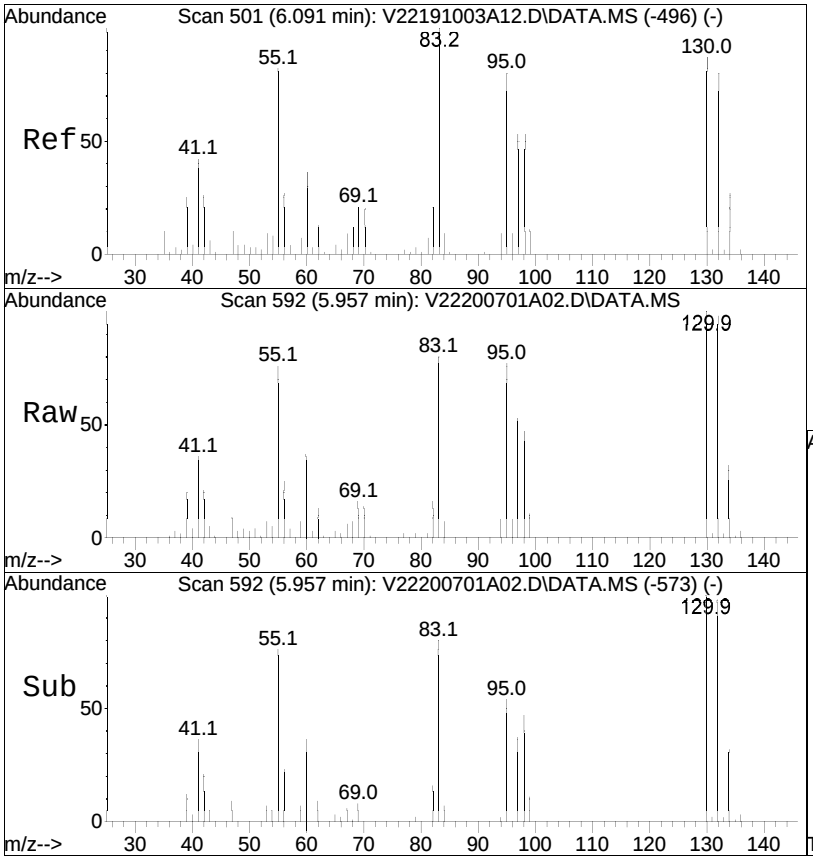


#50
Methyl cyclohexane
Concen: 8.58 ug/L
RT: 5.948 min Scan# 591
Delta R.T. -0.001 min
Lab File: V22200701A02.D
Acq: 01 Jul 2020 09:10 am

Tgt Ion: 83 Resp: 57702

Ion	Ratio	Lower	Upper
83	100		
55	96.4	55.4	83.2#

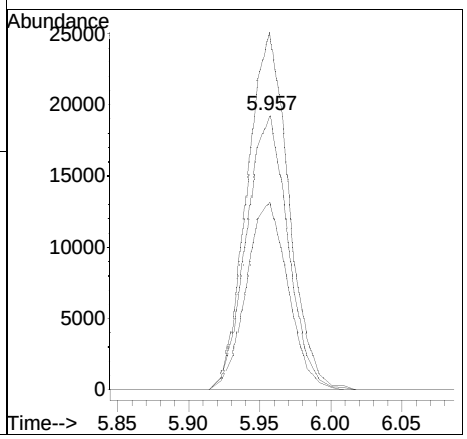


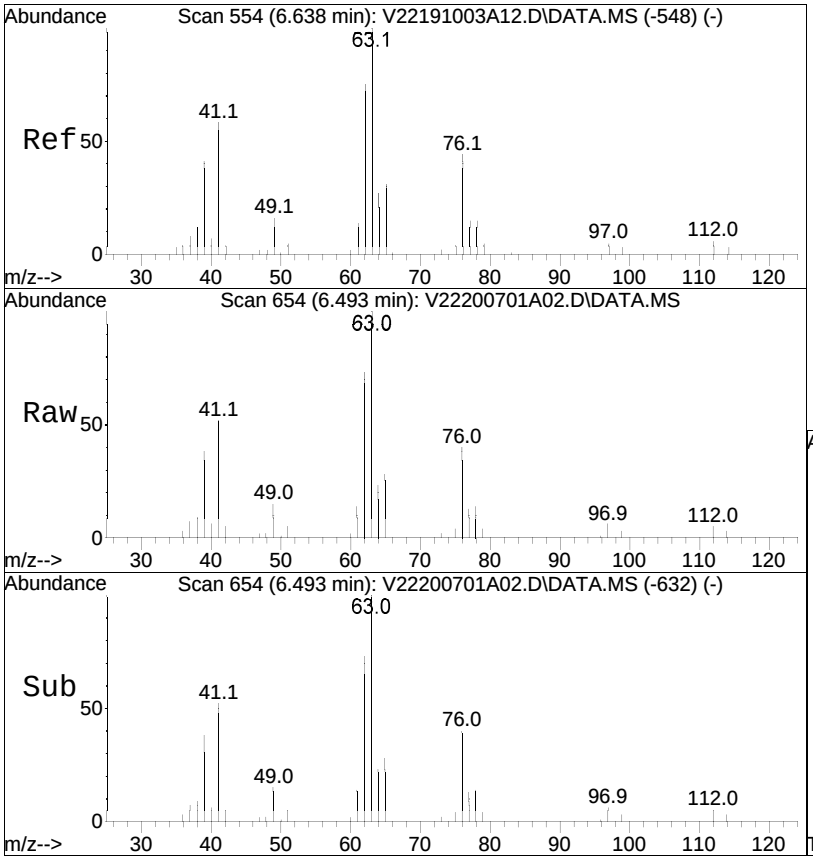


#51
Trichloroethene
Concen: 8.93 ug/L
RT: 5.957 min Scan# 592
Delta R.T. 0.000 min
Lab File: V22200701A02.D
Acq: 01 Jul 2020 09:10 am

Tgt Ion: 95 Resp: 39074

Ion	Ratio	Lower	Upper
95	100		
97	68.6	55.0	82.4
130	130.3	89.2	133.8

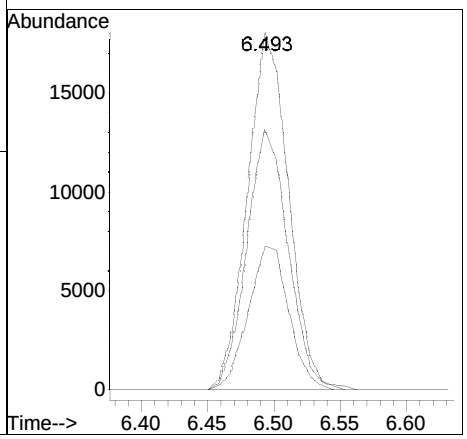


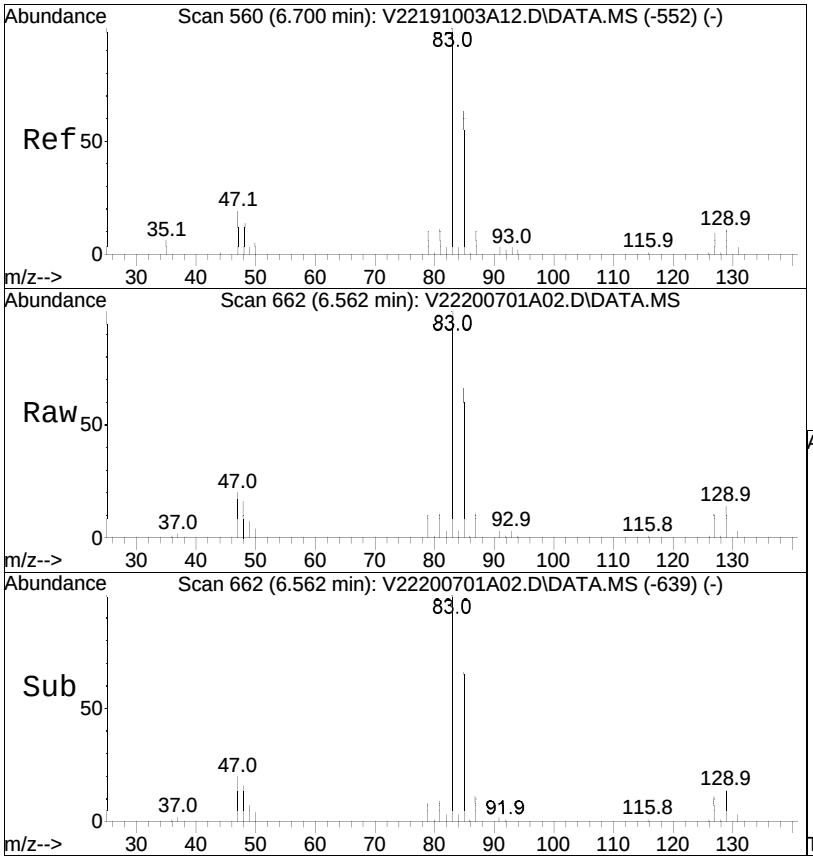


#54
1,2-Dichloropropane
Concen: 9.61 ug/L
RT: 6.493 min Scan# 654
Delta R.T. -0.009 min
Lab File: V22200701A02.D
Acq: 01 Jul 2020 09:10 am

Tgt Ion: 63 Resp: 38758

Ion	Ratio	Lower	Upper
63	100		
62	73.0	56.9	85.3
76	39.8	35.8	53.8

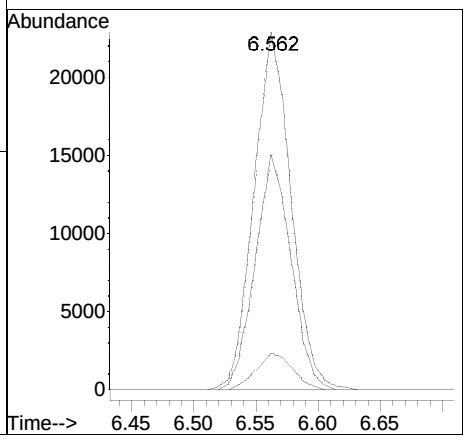


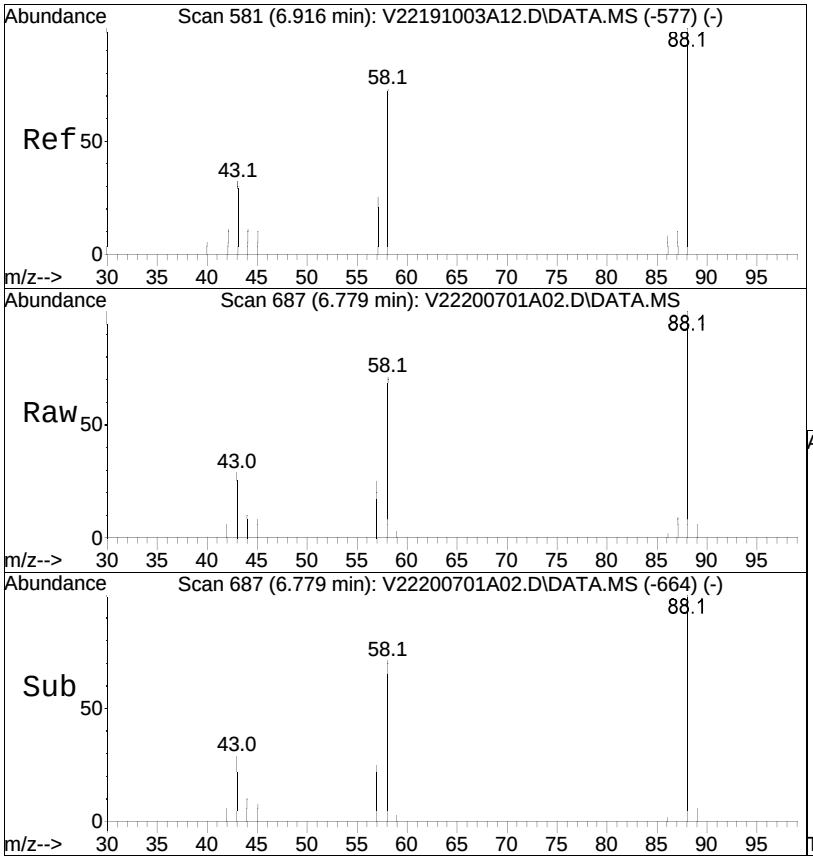


#57
Bromodichloromethane
Concen: 9.33 ug/L
RT: 6.562 min Scan# 662
Delta R.T. -0.001 min
Lab File: V22200701A02.D
Acq: 01 Jul 2020 09:10 am

Tgt Ion: 83 Resp: 46904

Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.6	77.4
127	10.3	7.4	11.0

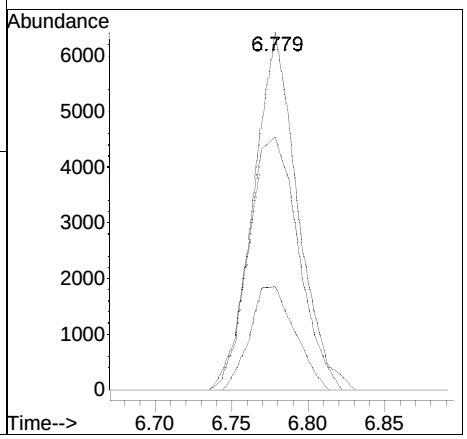


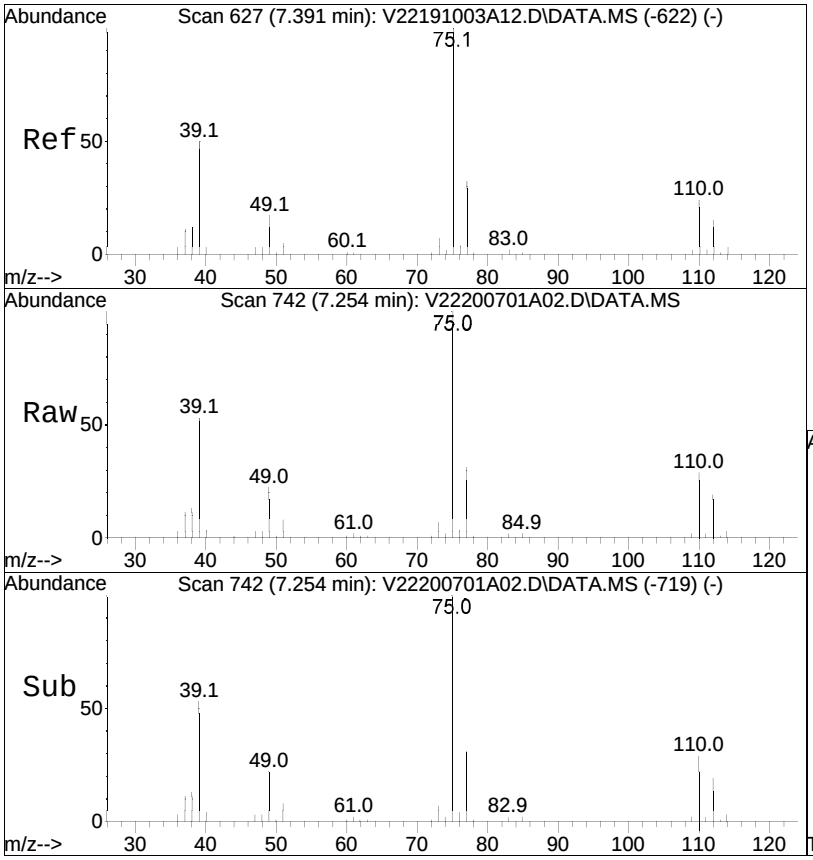


#60
1,4-Dioxane
Concen: 702.76 ug/L
RT: 6.779 min Scan# 687
Delta R.T. -0.000 min
Lab File: V22200701A02.D
Acq: 01 Jul 2020 09:10 am

Tgt Ion: 88 Resp: 12753

Ion	Ratio	Lower	Upper
88	100		
58	80.0	43.3	64.9#
43	29.6	15.1	22.7#

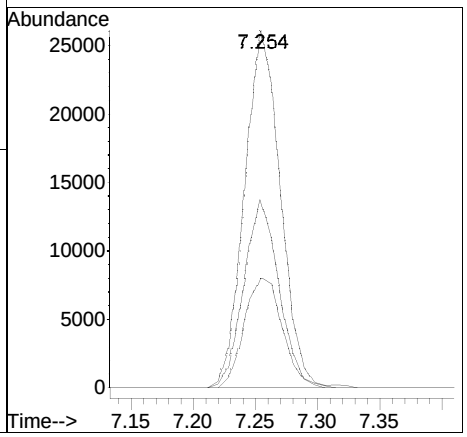


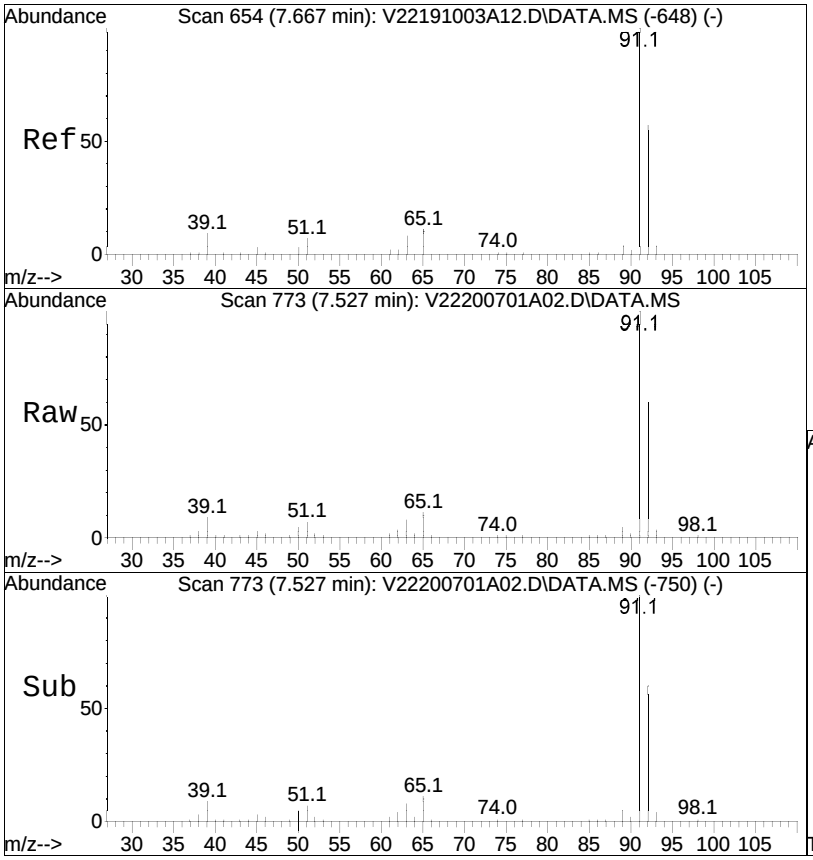


#61
cis-1,3-Dichloropropene
Concen: 8.47 ug/L
RT: 7.254 min Scan# 742
Delta R.T. 0.000 min
Lab File: V22200701A02.D
Acq: 01 Jul 2020 09:10 am

Tgt Ion: 75 Resp: 52008

Ion	Ratio	Lower	Upper
75	100		
77	32.7	25.6	38.4
39	51.6	35.4	53.0

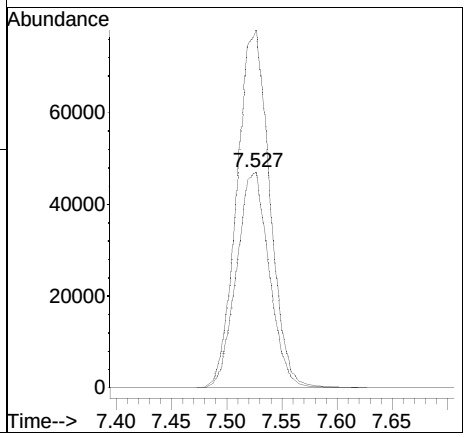


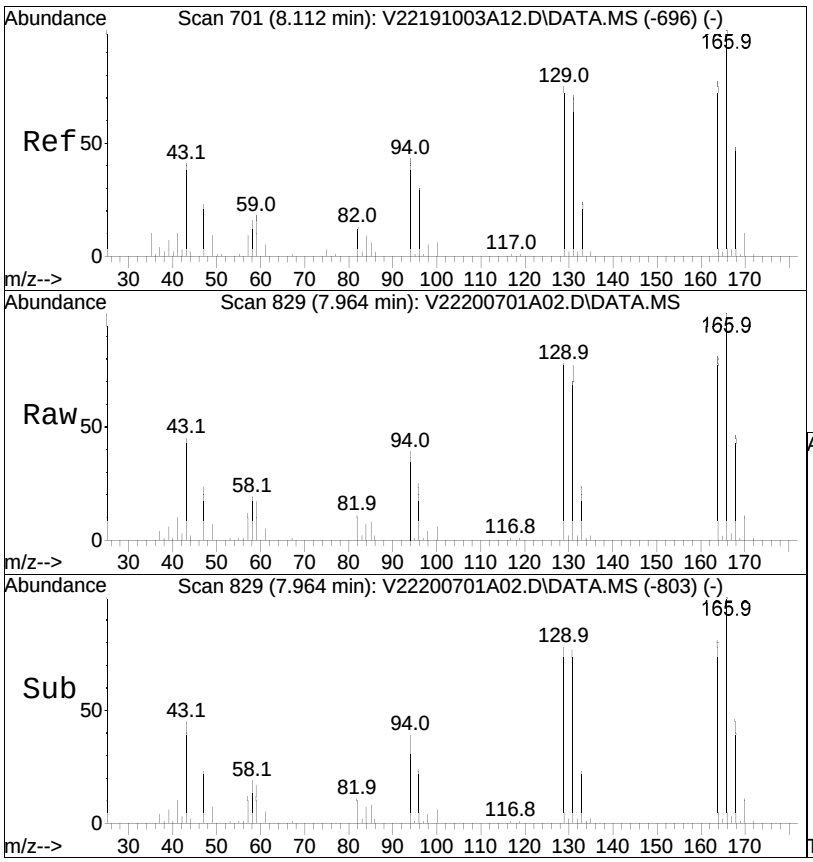


#64
Toluene
Concen: 9.14 ug/L
RT: 7.527 min Scan# 773
Delta R.T. -0.000 min
Lab File: V22200701A02.D
Acq: 01 Jul 2020 09:10 am

Tgt Ion: 92 Resp: 96378

Ion	Ratio	Lower	Upper
92	100		
91	166.1	137.0	205.6

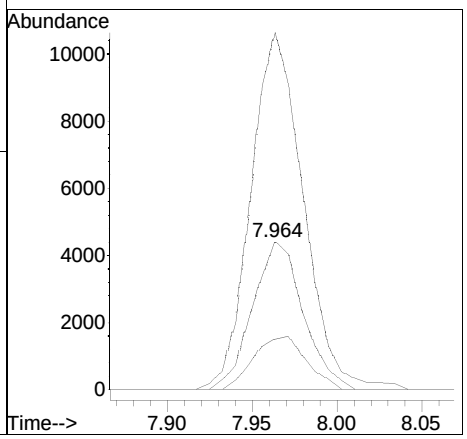


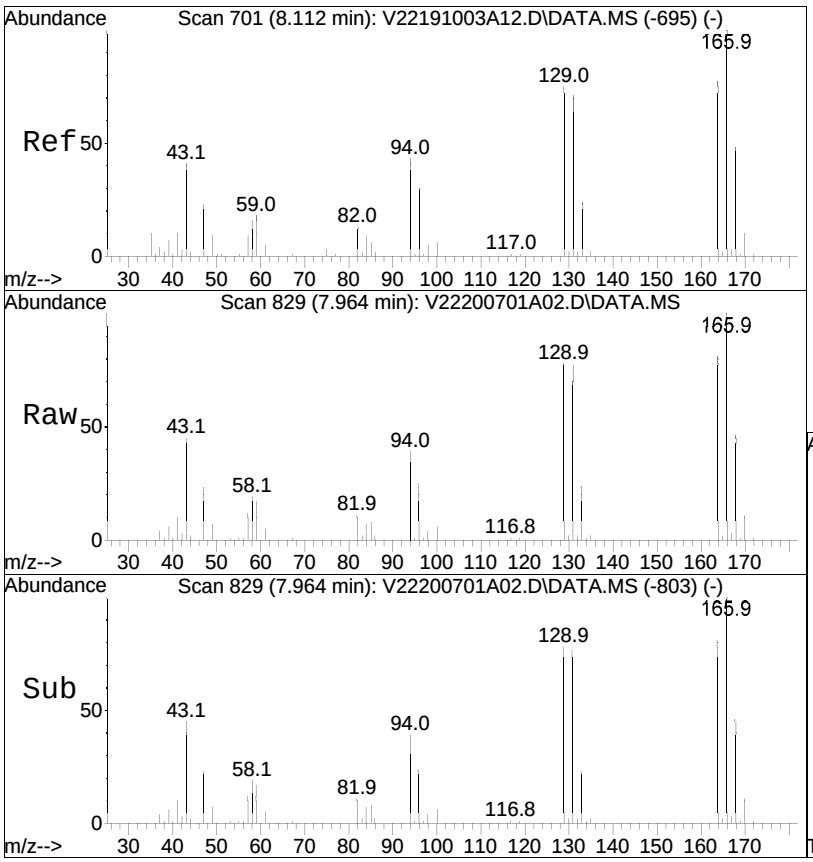


#65
4-Methyl-2-pentanone
Concen: 7.51 ug/L
RT: 7.964 min Scan# 829
Delta R.T. -0.000 min
Lab File: V22200701A02.D
Acq: 01 Jul 2020 09:10 am

Tgt Ion: 58 Resp: 9130

Ion	Ratio	Lower	Upper
58	100		
100	37.6	36.2	54.4
43	249.3	181.8	272.8

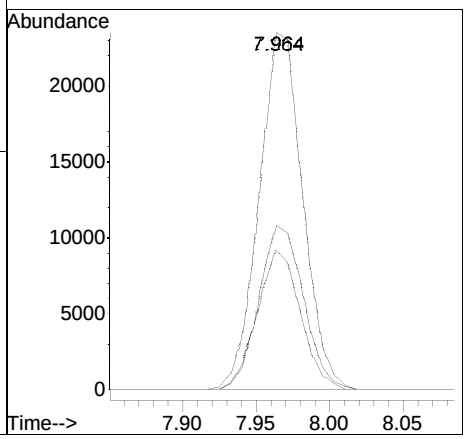


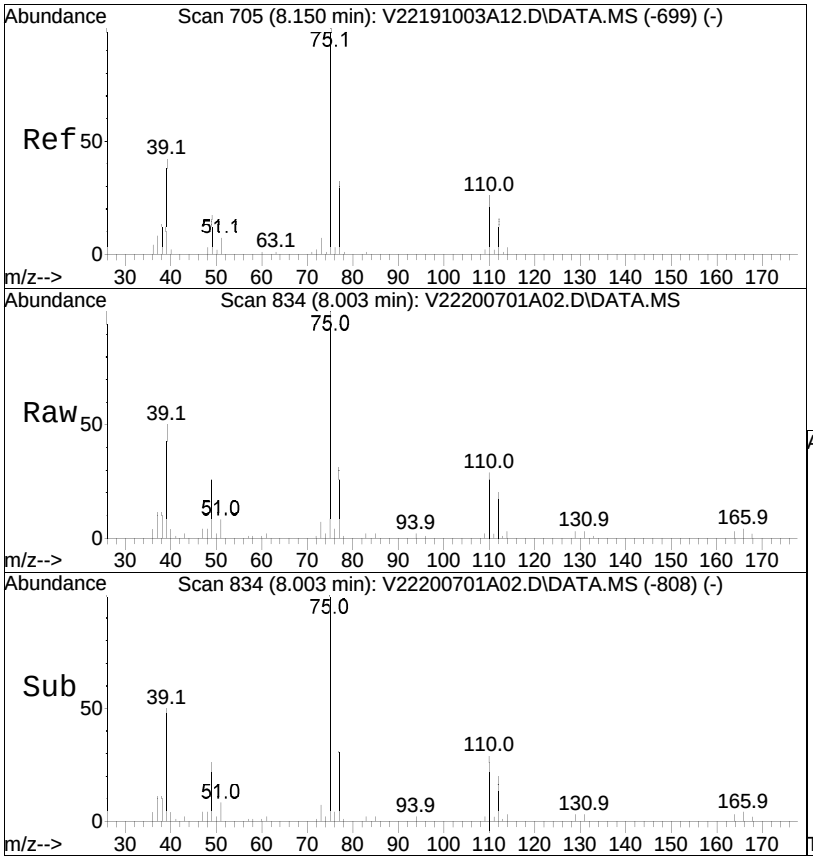


#66
Tetrachloroethene
Concen: 9.62 ug/L
RT: 7.964 min Scan# 829
Delta R.T. -0.000 min
Lab File: V22200701A02.D
Acq: 01 Jul 2020 09:10 am

Tgt Ion:166 Resp: 48195

Ion	Ratio	Lower	Upper
166	100		
168	47.1	27.8	67.8
94	38.9	16.7	56.7

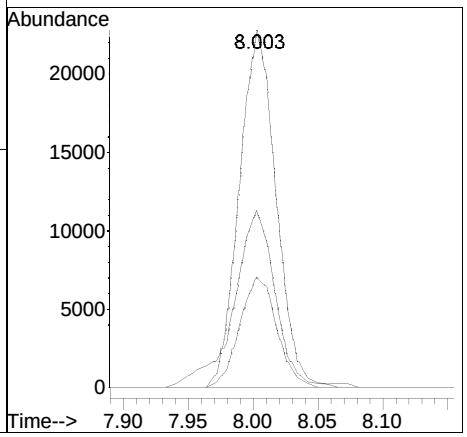


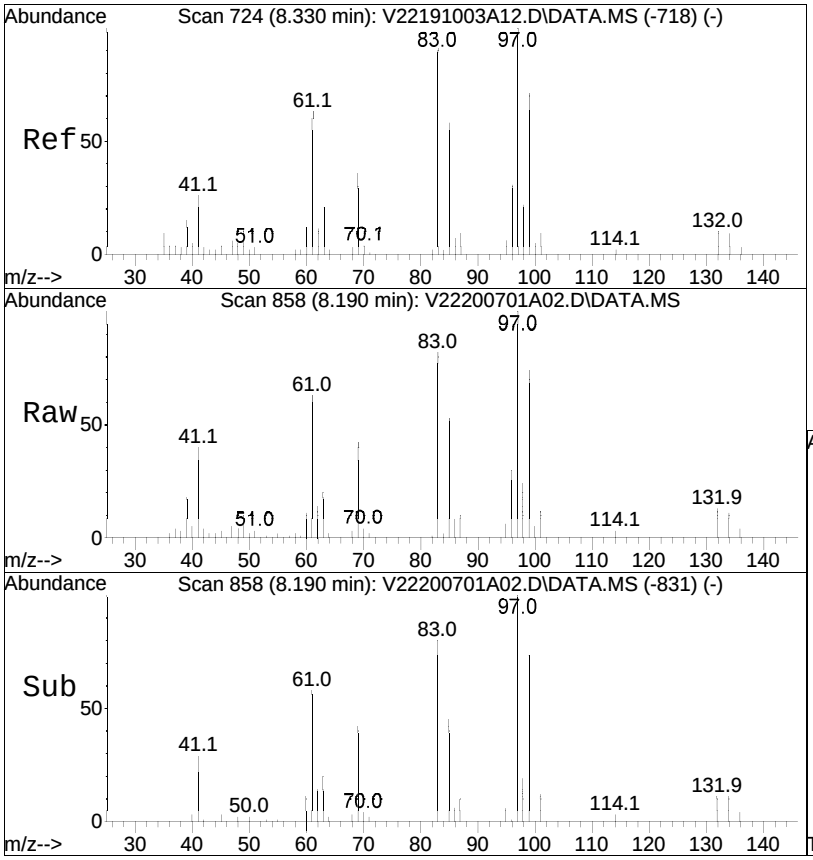


#68
trans-1,3-Dichloropropene
Concen: 8.38 ug/L
RT: 8.003 min Scan# 834
Delta R.T. -0.000 min
Lab File: V22200701A02.D
Acq: 01 Jul 2020 09:10 am

Tgt Ion: 75 Resp: 44665

Ion	Ratio	Lower	Upper
75	100		
77	31.3	11.9	51.9
39	55.6	27.4	67.4

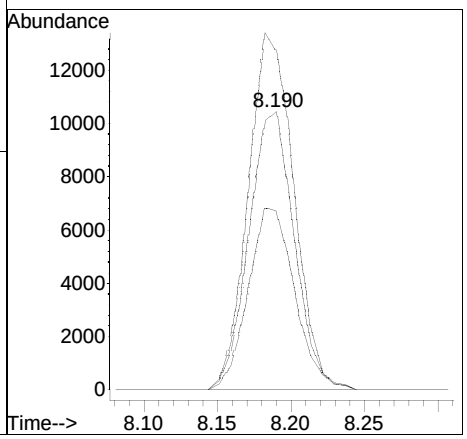


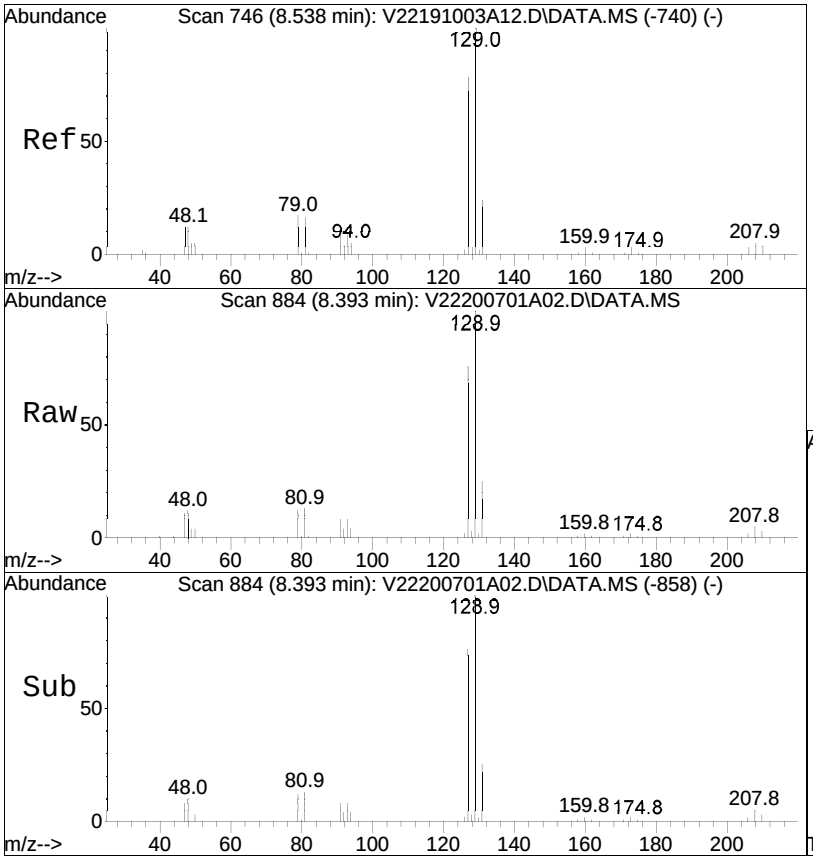


#71
1,1,2-Trichloroethane
Concen: 8.58 ug/L
RT: 8.190 min Scan# 858
Delta R.T. 0.008 min
Lab File: V22200701A02.D
Acq: 01 Jul 2020 09:10 am

Tgt Ion: 83 Resp: 22324

Ion	Ratio	Lower	Upper
83	100		
97	128.8	103.4	143.4
85	66.8	47.9	87.9

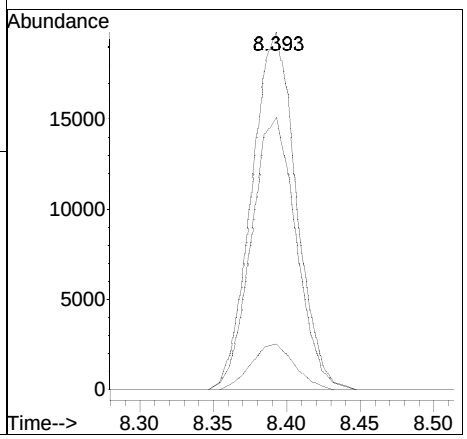


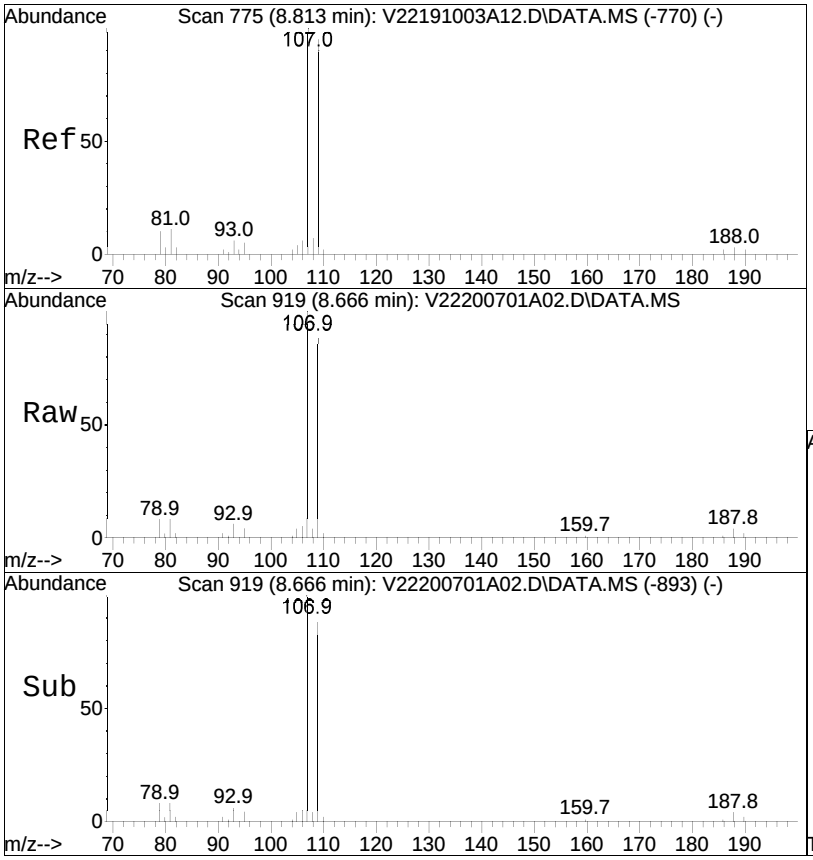


#72
Chlorodibromomethane
Concen: 9.15 ug/L
RT: 8.393 min Scan# 884
Delta R.T. -0.000 min
Lab File: V22200701A02.D
Acq: 01 Jul 2020 09:10 am

Tgt Ion:129 Resp: 41529

Ion	Ratio	Lower	Upper
129	100		
81	12.6	0.0	33.8
127	76.7	57.1	97.1

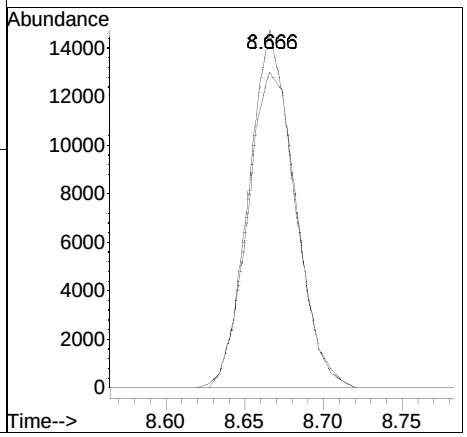


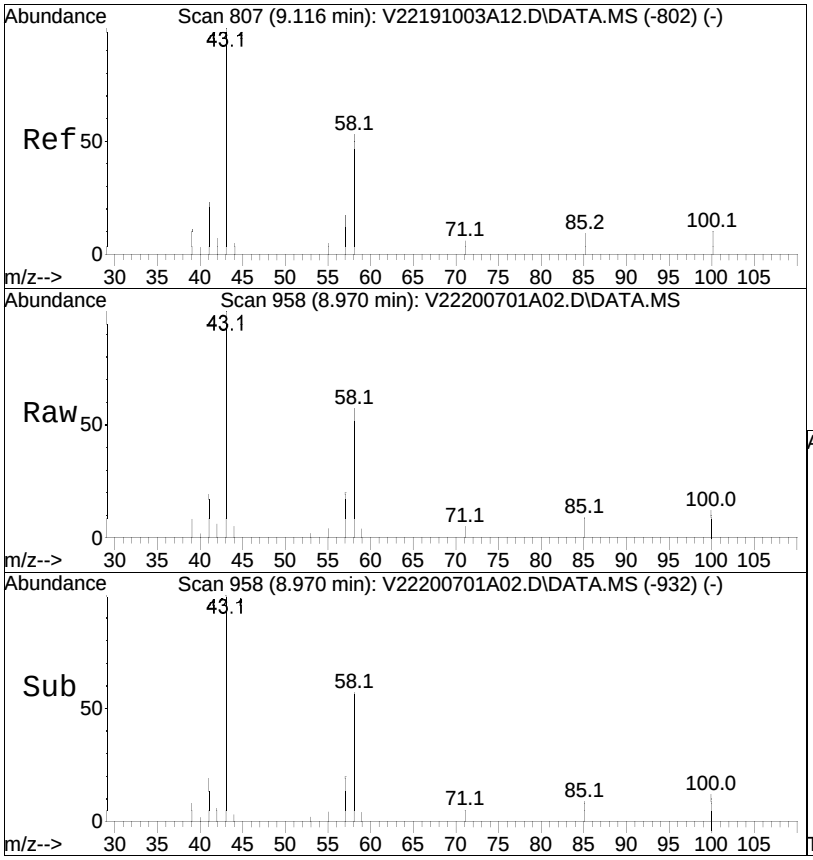


#74
1,2-Dibromoethane
Concen: 8.53 ug/L
RT: 8.666 min Scan# 919
Delta R.T. -0.000 min
Lab File: V22200701A02.D
Acq: 01 Jul 2020 09:10 am

Tgt Ion:107 Resp: 29537

Ion	Ratio	Lower	Upper
107	100		
109	94.8	75.1	112.7

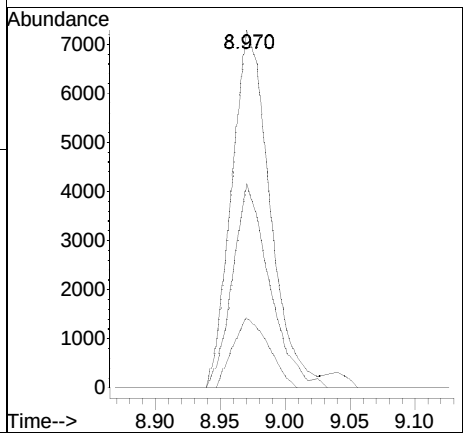


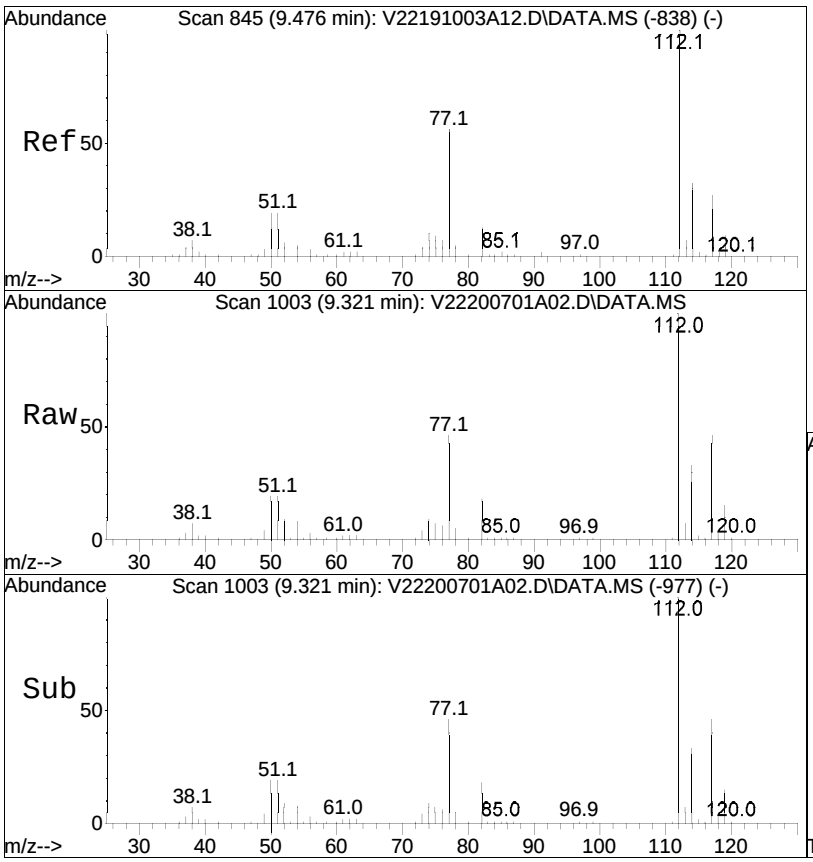


#76
2-Hexanone
Concen: 6.84 ug/L
RT: 8.970 min Scan# 958
Delta R.T. 0.000 min
Lab File: V22200701A02.D
Acq: 01 Jul 2020 09:10 am

Tgt Ion: 43 Resp: 15198

Ion	Ratio	Lower	Upper
43	100		
58	54.0	47.6	71.4
57	18.0	16.6	24.8

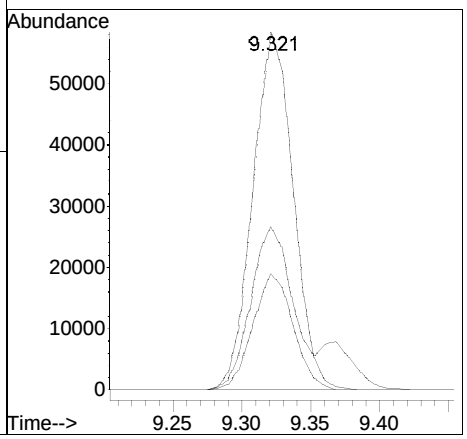


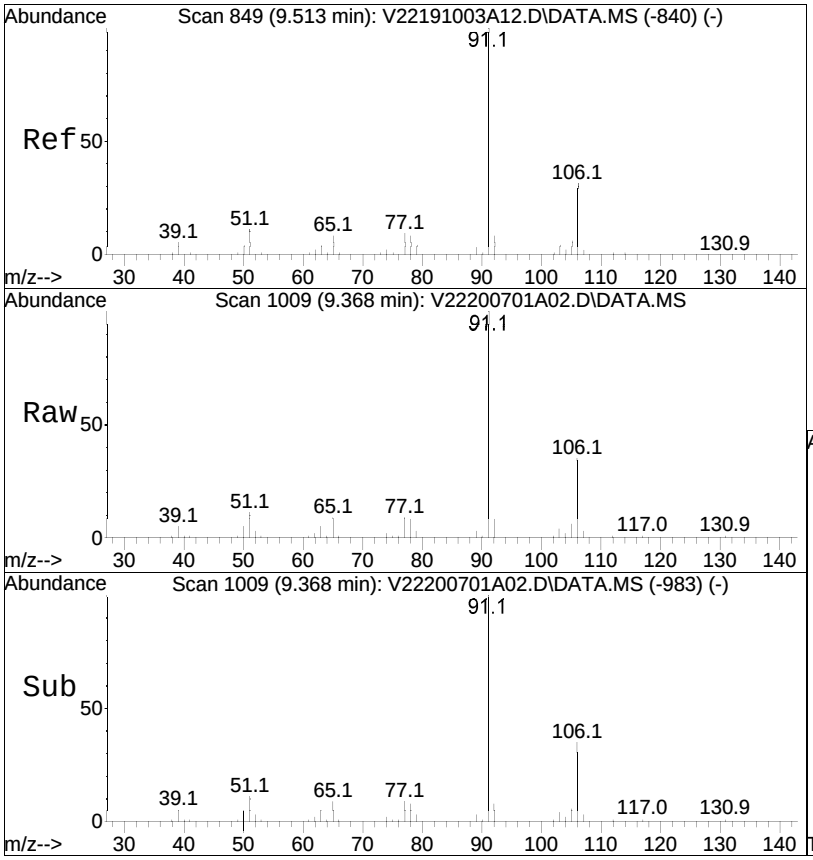


#77
Chlorobenzene
Concen: 9.62 ug/L
RT: 9.321 min Scan# 1003
Delta R.T. -0.001 min
Lab File: V22200701A02.D
Acq: 01 Jul 2020 09:10 am

Tgt Ion:112 Resp: 117857

Ion	Ratio	Lower	Upper
112	100		
77	48.2	55.4	83.0#
114	32.5	26.2	39.4

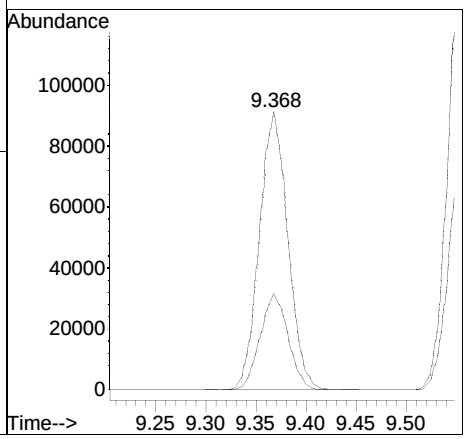


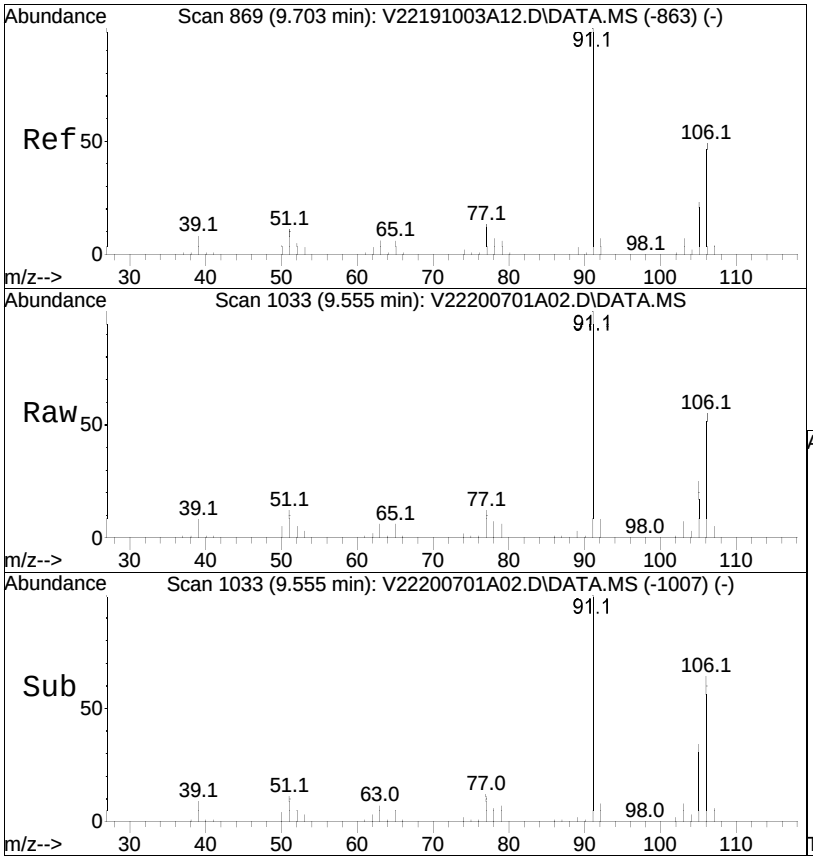


#78
Ethylbenzene
Concen: 9.23 ug/L
RT: 9.368 min Scan# 1009
Delta R.T. 0.000 min
Lab File: V22200701A02.D
Acq: 01 Jul 2020 09:10 am

Tgt Ion: 91 Resp: 180493

Ion	Ratio	Lower	Upper
91	100		
106	34.0	25.8	38.6

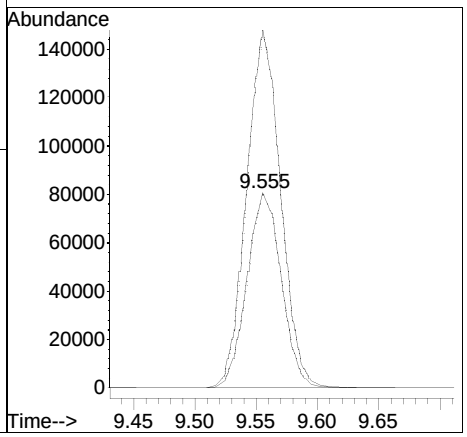


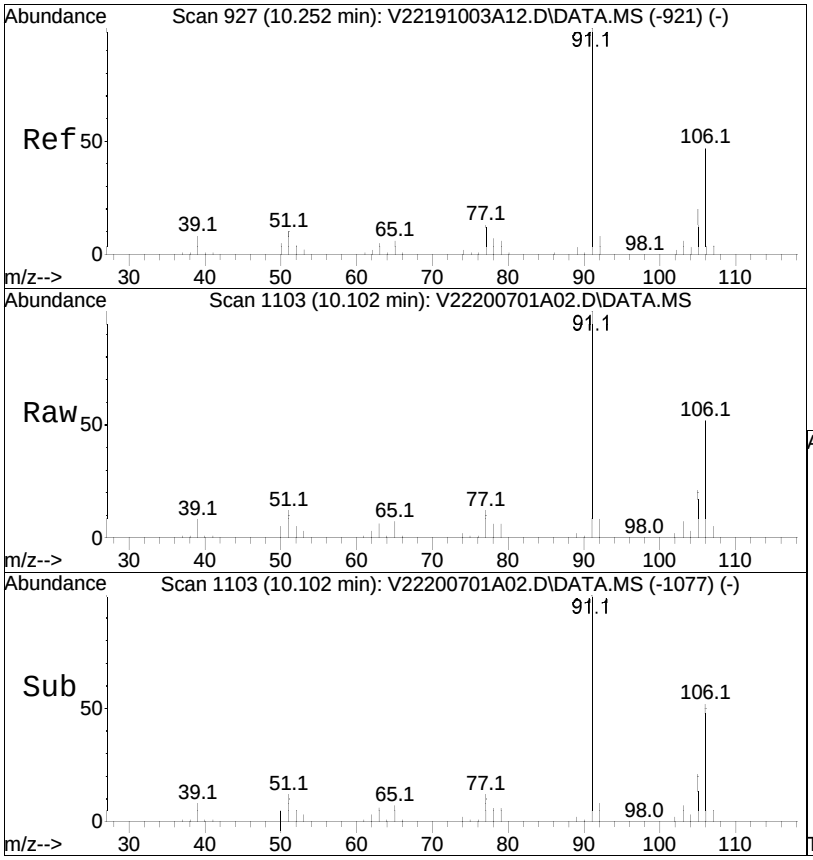


#80
p/m Xylene
Concen: 19.20 ug/L
RT: 9.555 min Scan# 1033
Delta R.T. -0.001 min
Lab File: V22200701A02.D
Acq: 01 Jul 2020 09:10 am

Tgt Ion:106 Resp: 155781

Ion	Ratio	Lower	Upper
106	100		
91	181.5	156.0	234.0

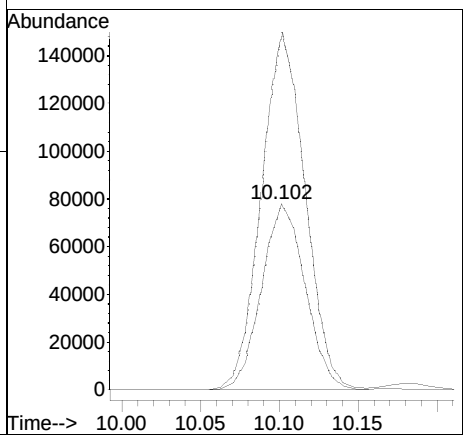


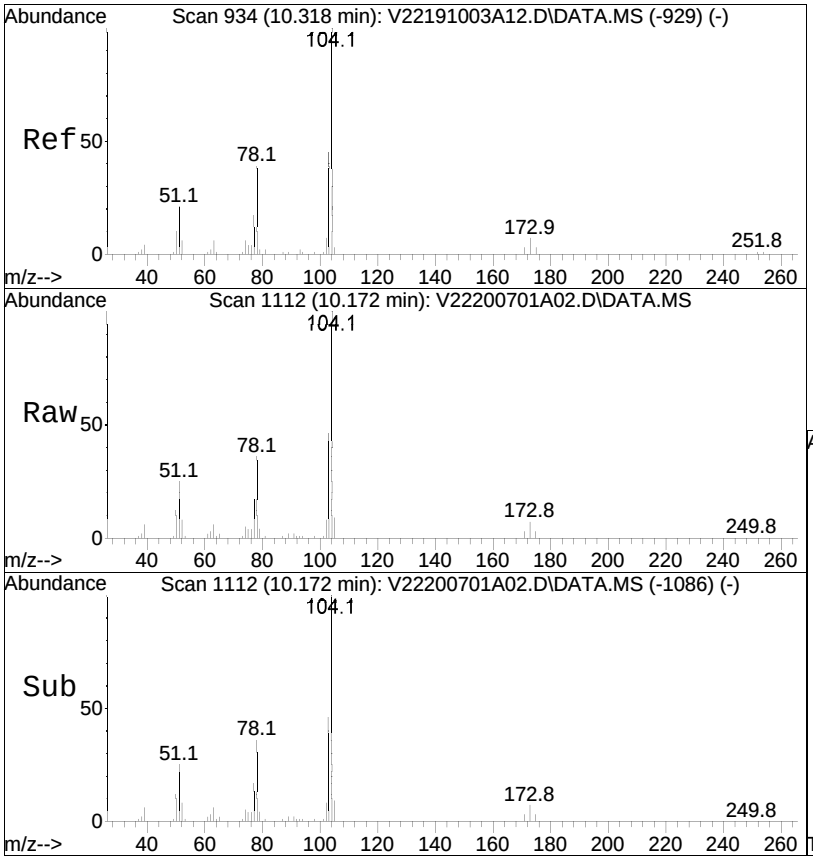


#81
o Xylene
Concen: 18.89 ug/L
RT: 10.102 min Scan# 1103
Delta R.T. -0.000 min
Lab File: V22200701A02.D
Acq: 01 Jul 2020 09:10 am

Tgt Ion:106 Resp: 149509

Ion	Ratio	Lower	Upper
106	100		
91	191.9	164.0	246.0

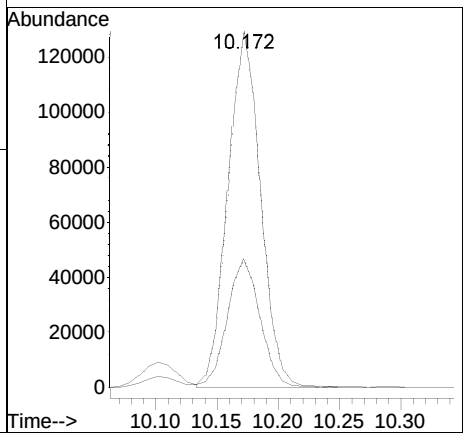


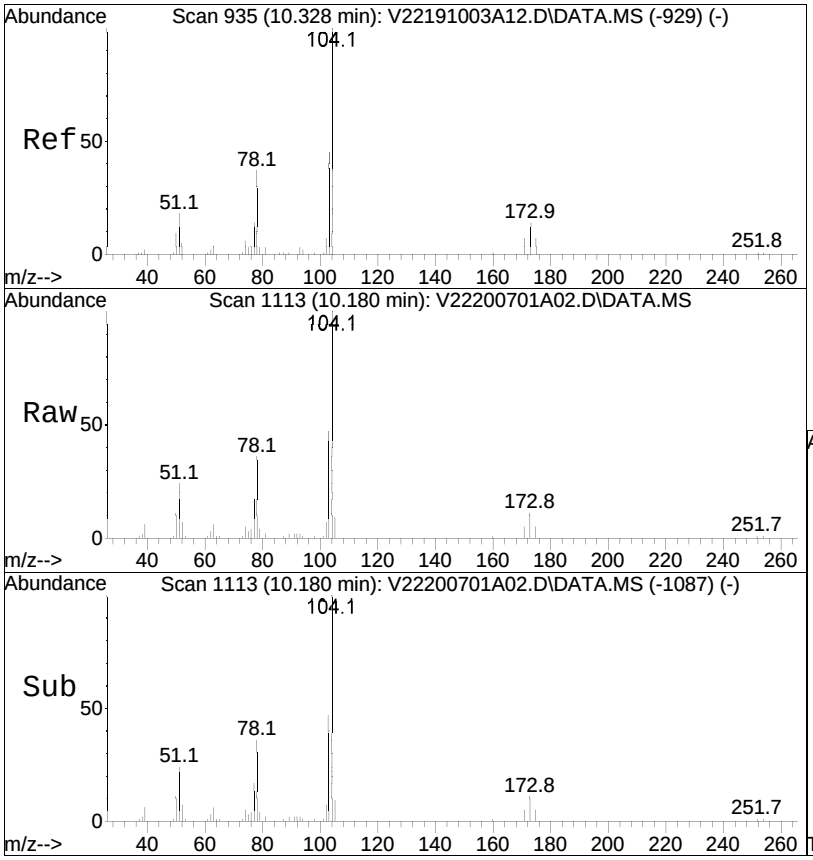


#82
Styrene
Concen: 18.79 ug/L
RT: 10.172 min Scan# 1112
Delta R.T. -0.000 min
Lab File: V22200701A02.D
Acq: 01 Jul 2020 09:10 am

Tgt Ion:104 Resp: 238698

Ion	Ratio	Lower	Upper
104	100		
78	36.4	32.1	48.1

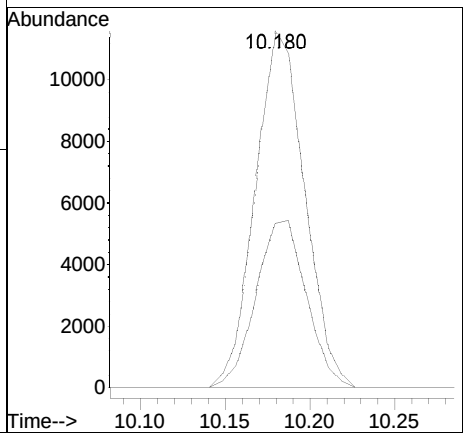


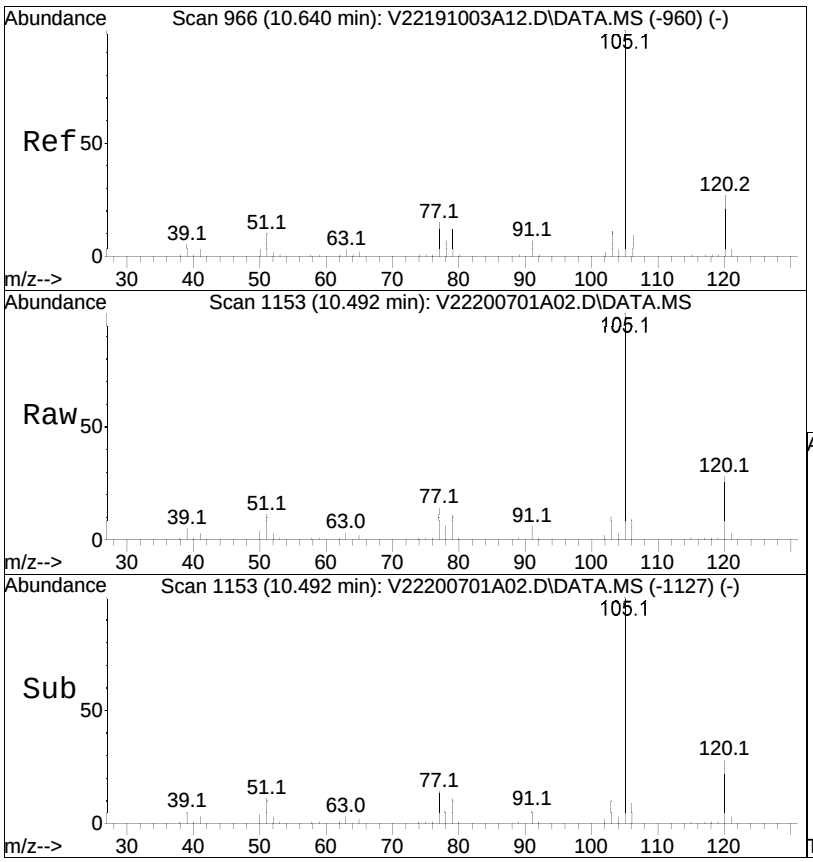


#84
Bromoform
Concen: 8.89 ug/L
RT: 10.180 min Scan# 1113
Delta R.T. -0.000 min
Lab File: V22200701A02.D
Acq: 01 Jul 2020 09:10 am

Tgt Ion:173 Resp: 23339

Ion	Ratio	Lower	Upper
173	100		
175	48.0	29.3	69.3

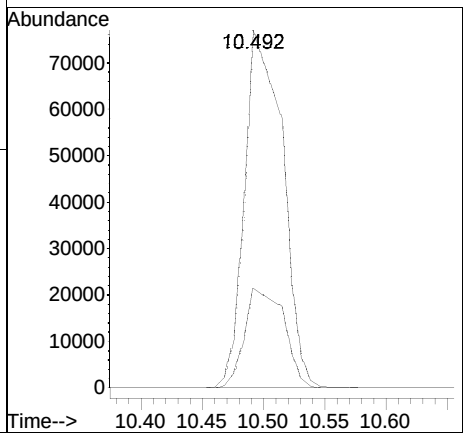


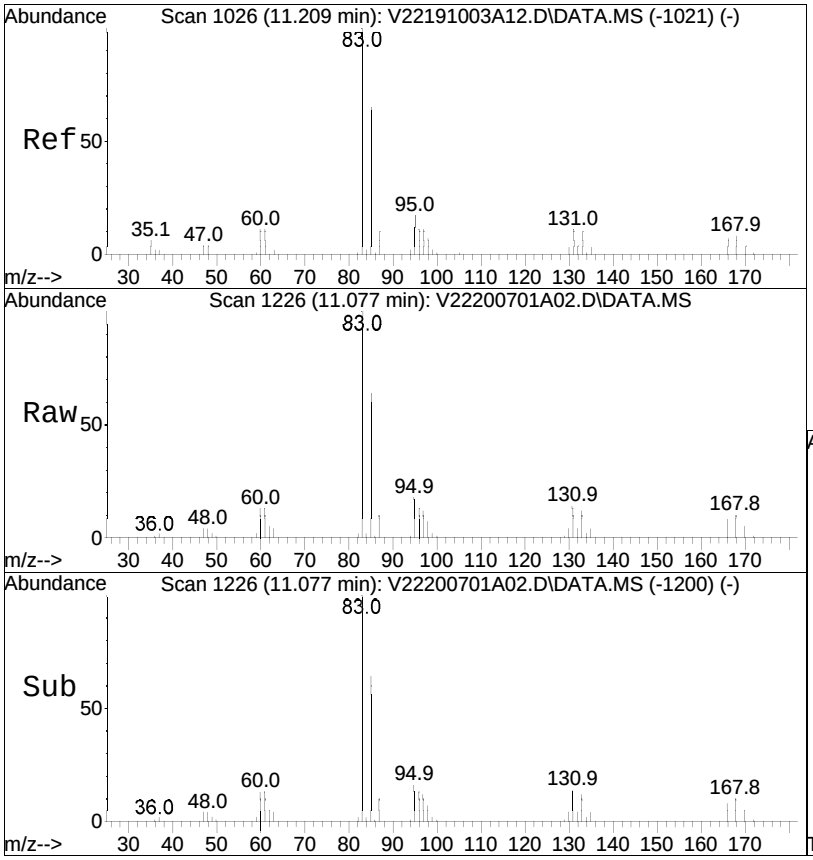


#86
Isopropylbenzene
Concen: 8.86 ug/L
RT: 10.492 min Scan# 1153
Delta R.T. -0.000 min
Lab File: V22200701A02.D
Acq: 01 Jul 2020 09:10 am

Tgt Ion:105 Resp: 114110

Ion	Ratio	Lower	Upper
105	100		
120	30.5	7.7	47.7

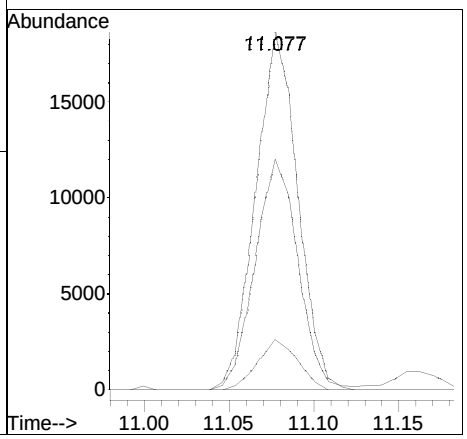


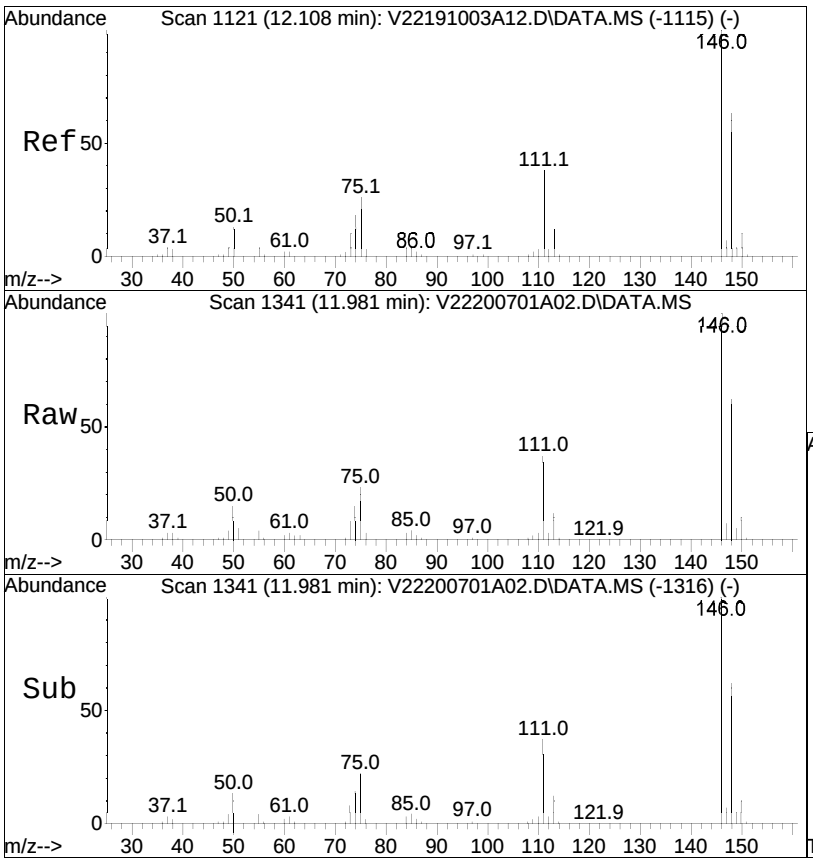


#91
1,1,2,2-Tetrachloroethane
Concen: 8.30 ug/L
RT: 11.077 min Scan# 1226
Delta R.T. 0.000 min
Lab File: V22200701A02.D
Acq: 01 Jul 2020 09:10 am

Tgt Ion: 83 Resp: 31927

Ion	Ratio	Lower	Upper
83	100		
131	13.5	0.0	30.8
85	66.1	45.4	85.4

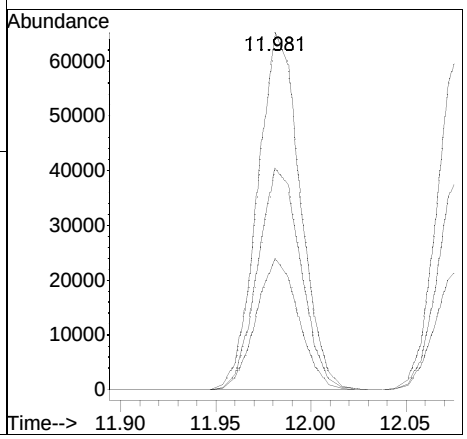


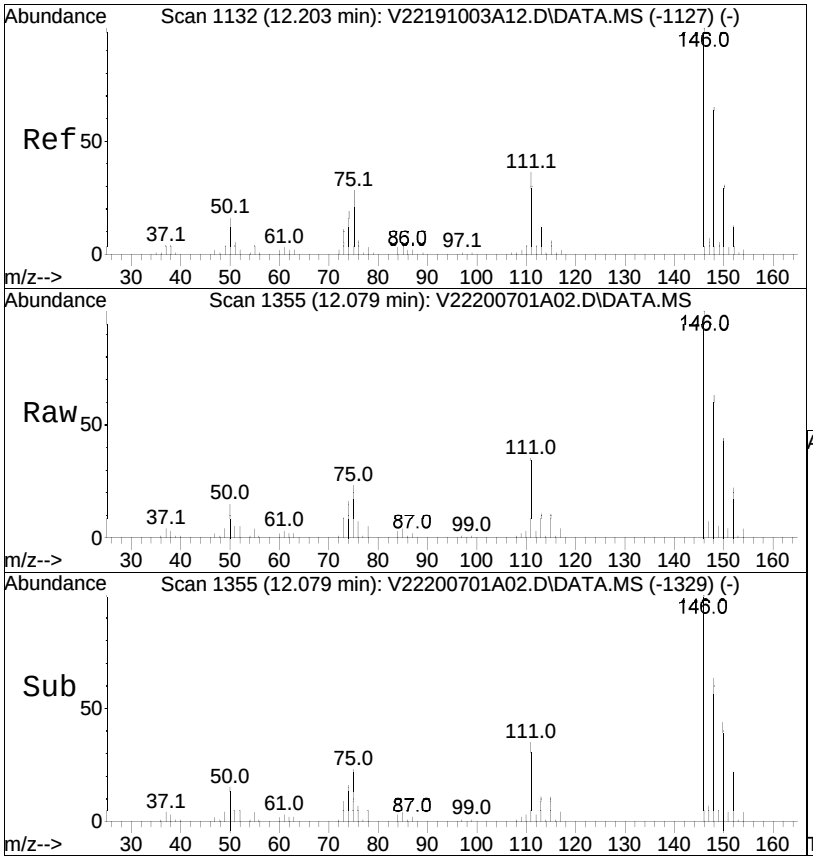


#104
1,3-Dichlorobenzene
Concen: 9.80 ug/L
RT: 11.981 min Scan# 1341
Delta R.T. -0.001 min
Lab File: V22200701A02.D
Acq: 01 Jul 2020 09:10 am

Tgt Ion:146 Resp: 101843

Ion	Ratio	Lower	Upper
146	100		
111	36.7	24.0	49.8
148	62.8	41.8	86.8

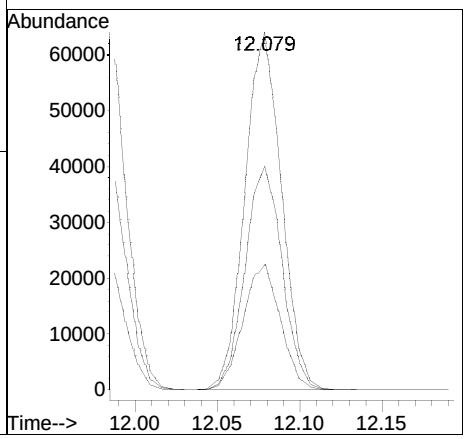


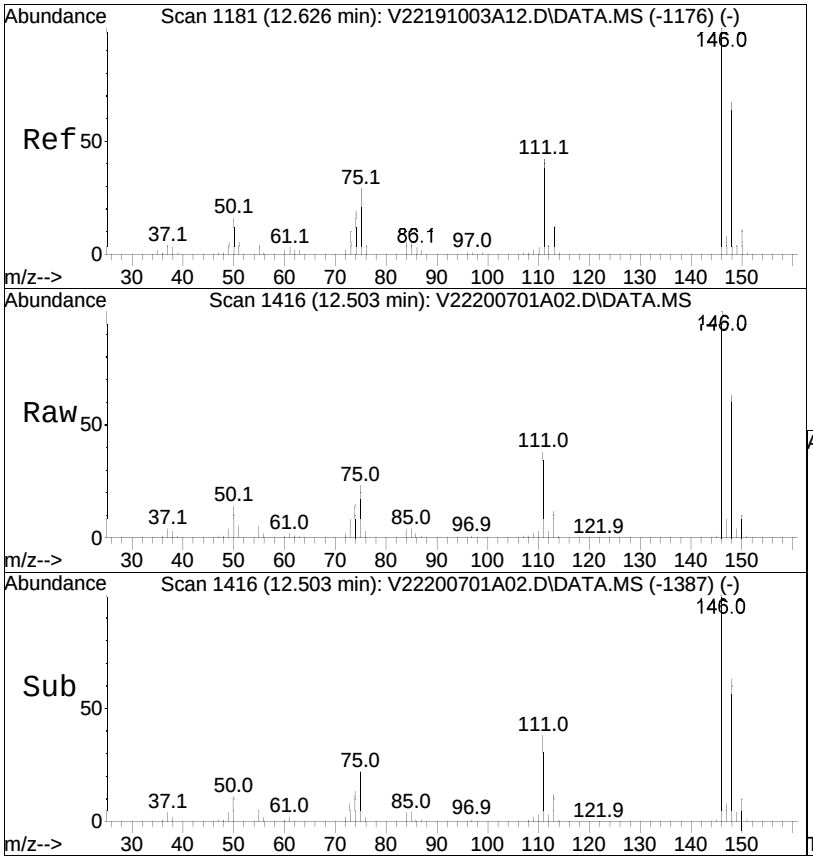


#105
1,4-Dichlorobenzene
Concen: 9.64 ug/L
RT: 12.079 min Scan# 1355
Delta R.T. -0.000 min
Lab File: V22200701A02.D
Acq: 01 Jul 2020 09:10 am

Tgt Ion:146 Resp: 99059

Ion	Ratio	Lower	Upper
146	100		
111	35.9	28.9	43.3
148	63.2	51.4	77.2

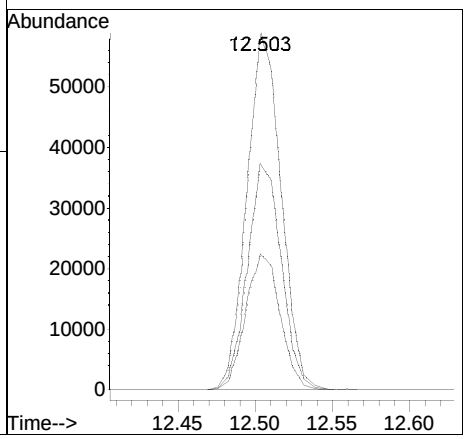


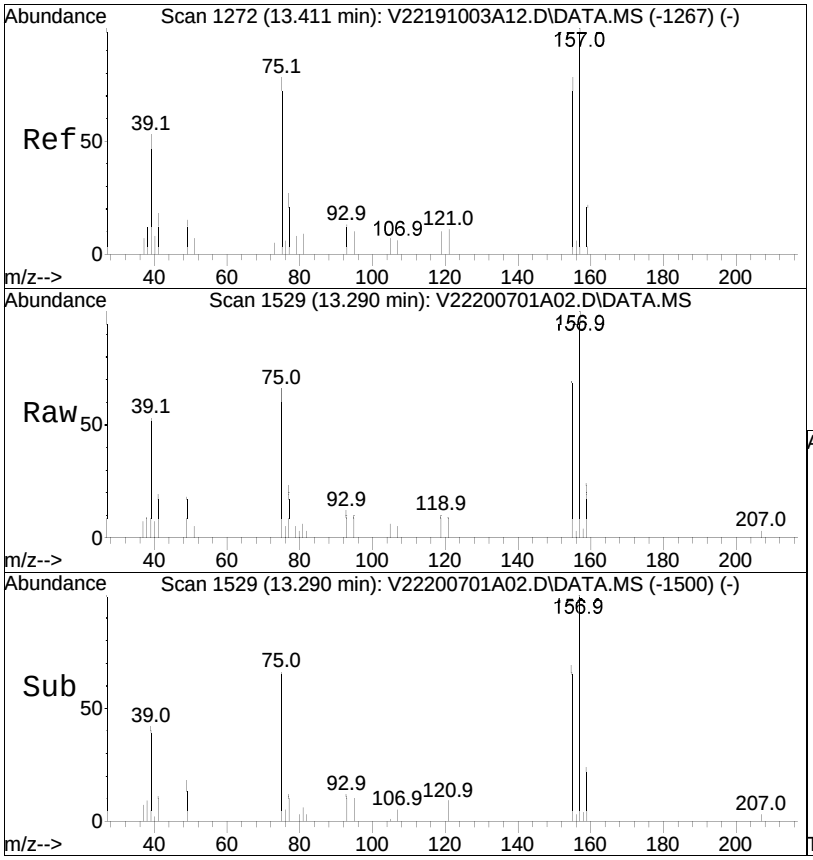


#108
1,2-Dichlorobenzene
Concen: 9.58 ug/L
RT: 12.503 min Scan# 1416
Delta R.T. -0.001 min
Lab File: V22200701A02.D
Acq: 01 Jul 2020 09:10 am

Tgt Ion:146 Resp: 89865

Ion	Ratio	Lower	Upper
146	100		
111	38.5	24.8	51.6
148	63.0	42.2	87.6

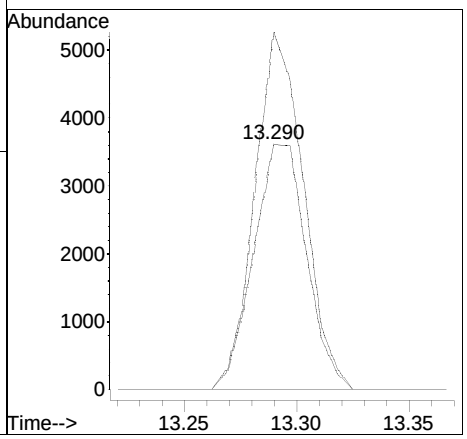


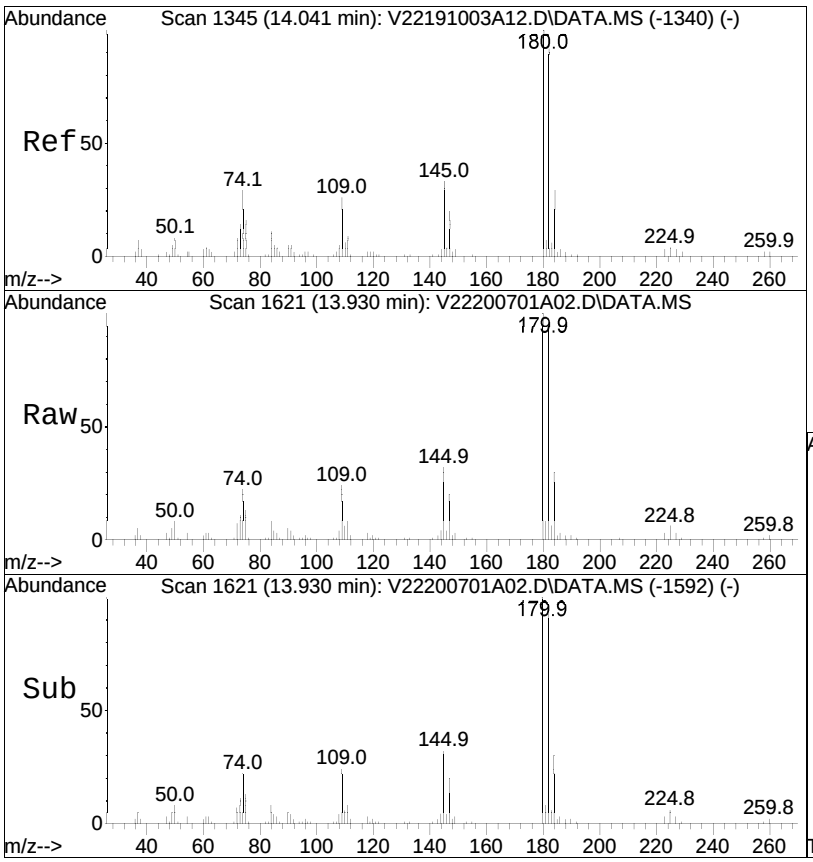


#110
1,2-Dibromo-3-chloropropane
Concen: 7.92 ug/L
RT: 13.290 min Scan# 1529
Delta R.T. -0.000 min
Lab File: V22200701A02.D
Acq: 01 Jul 2020 09:10 am

Tgt Ion:155 Resp: 5877

Ion	Ratio	Lower	Upper
155	100		
157	133.9	102.3	153.5

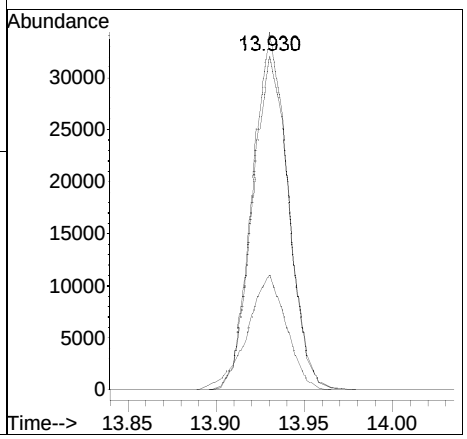


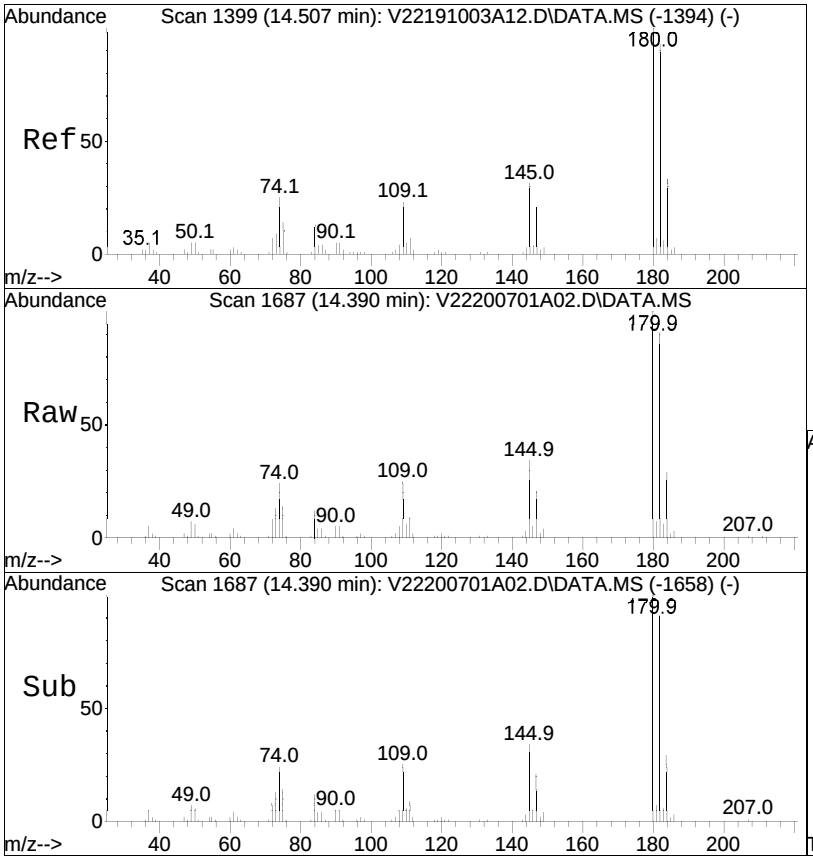


#113
1,2,4-Trichlorobenzene
Concen: 9.25 ug/L
RT: 13.930 min Scan# 1621
Delta R.T. -0.001 min
Lab File: V22200701A02.D
Acq: 01 Jul 2020 09:10 am

Tgt Ion:180 Resp: 47946

Ion	Ratio	Lower	Upper
180	100		
182	94.7	76.6	114.8
145	35.5	25.5	38.3

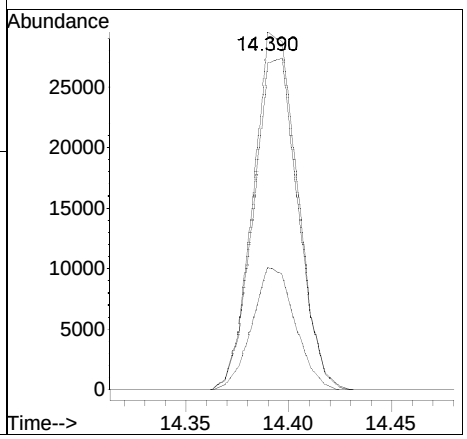




#115
1,2,3-Trichlorobenzene
Concen: 9.30 ug/L
RT: 14.390 min Scan# 1687
Delta R.T. -0.000 min
Lab File: V22200701A02.D
Acq: 01 Jul 2020 09:10 am

Tgt Ion:180 Resp: 43876

Ion	Ratio	Lower	Upper
180	100		
182	92.9	76.0	114.0
145	33.4	23.8	35.8



Manual Integration Report

Data Path	: I:\VOLATILES\VOA122\2020\2	QMethod	: V122_200617N_8260.m
Data File	: V22200701A02.D	Operator	: VOA122:PD
Date Inj'd	: 7/1/2020 9:10 am	Instrument	: VOA122
Sample	: WG1388388-4,31,10,10	Quant Date	: 7/1/2020 10:01 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2020\200701N\
Data File : VE200701N02.D
Acq On : 1 Jul 2020 5:36 pm
Operator : ELAINE:TMS
Sample : WG1388497-4,31,10,10
Misc : WG1388497,ICAL16849
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 01 18:05:34 2020
Quant Method : I:\VOLATILES\Elaine\2020\200701N\Elaine_200602N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jun 03 14:54:28 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2020\200701N\VE200701N01.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.490	96	159136	10.000	ug/L	0.00
Standard Area 1 = 144276			Recovery = 110.30%			
59) Chlorobenzene-d5	8.500	117	108236	10.000	ug/L	0.00
Standard Area 1 = 121890			Recovery = 88.80%			
79) 1,4-Dichlorobenzene-d4	9.988	152	59939	10.000	ug/L	0.00
Standard Area 1 = 61045			Recovery = 98.19%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.499	113	34903M1	9.254	ug/L	-0.01
Spiked Amount 10.000	Range 70 - 130		Recovery = 92.54%			
43) 1,2-Dichloroethane-d4	5.147	65	46447	10.048	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.48%			
60) Toluene-d8	7.195	98	157130	10.982	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 109.82%			
83) 4-Bromofluorobenzene	9.321	95	56623	9.161	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 91.61%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.941	85	22283M1	8.038	ug/L	
3) Chloromethane	1.060	50	30254M1	10.297	ug/L	
4) Vinyl chloride	1.113	62	31838	9.649	ug/L	98
5) Bromomethane	1.319	94	14742M1	9.889	ug/L	
6) Chloroethane	1.400	64	23079M1	12.082	ug/L	
7) Trichlorofluoromethane	1.497	101	41324	10.930	ug/L	93
10) 1,1-Dichloroethene	1.862	96	25270M1	10.991	ug/L	
11) Carbon disulfide	1.867	76	59640M1	11.067	ug/L	
12) Freon-113	1.903	101	27017M1	11.090	ug/L	
15) Methylene chloride	2.351	84	28635	10.211	ug/L	85
17) Acetone	2.412	43	5727	9.141	ug/L	95
18) trans-1,2-Dichloroethene	2.496	96	28760M1	11.590	ug/L	
19) Methyl acetate	2.540	43	19033	10.414	ug/L #	98
20) Methyl tert-butyl ether	2.621	73	66055	9.126	ug/L	97
23) 1,1-Dichloroethane	3.136	63	57109	10.970	ug/L	99
28) cis-1,2-Dichloroethene	3.823	96	32047M1	11.323	ug/L	
30) Bromochloromethane	4.098	128	14533	11.377	ug/L #	66
31) Cyclohexane	4.057	56	55018	10.560	ug/L	80
32) Chloroform	4.260	83	49643	10.595	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2020\200701N\
Data File : VE200701N02.D
Acq On : 1 Jul 2020 5:36 pm
Operator : ELAINE:TMS
Sample : WG1388497-4,31,10,10
Misc : WG1388497,ICAL16849
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 01 18:05:34 2020
Quant Method : I:\VOLATILES\Elaine\2020\200701N\Elaine_200602N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jun 03 14:54:28 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2020\200701N\VE200701N01.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
34) Carbon tetrachloride	4.368	117	36147	10.125	ug/L		99
37) 1,1,1-Trichloroethane	4.474	97	42270M1	9.708	ug/L		
39) 2-Butanone	4.699	43	10651M1	10.820	ug/L		
41) Benzene	4.964	78	116054	9.904	ug/L		93
44) 1,2-Dichloroethane	5.228	62	38341M1	10.173	ug/L		
47) Methyl cyclohexane	5.637	83	48201	10.361	ug/L		84
48) Trichloroethene	5.682	95	29965	11.760	ug/L		94
51) 1,2-Dichloropropane	6.249	63	34407	11.289	ug/L	#	89
54) Bromodichloromethane	6.358	83	34996M1	9.716	ug/L		
57) 1,4-Dioxane	6.583	88	7294	328.360	ug/L	#	86
58) cis-1,3-Dichloropropene	7.020	75	43687M1	9.762	ug/L		
61) Toluene	7.245	92	76411	11.455	ug/L		99
62) 4-Methyl-2-pentanone	7.660	58	8196	9.379	ug/L	#	85
63) Tetrachloroethene	7.599	166	33022	11.687	ug/L		85
65) trans-1,3-Dichloropropene	7.674	75	34497	9.575	ug/L		100
68) 1,1,2-Trichloroethane	7.804	83	18885	11.047	ug/L		95
69) Chlorodibromomethane	7.938	129	24593	10.127	ug/L		95
71) 1,2-Dibromoethane	8.097	107	22109	10.700	ug/L		98
72) 2-Hexanone	8.341	43	12953	7.690	ug/L	#	96
73) Chlorobenzene	8.508	112	75123	10.680	ug/L		90
74) Ethylbenzene	8.550	91	129349	10.493	ug/L		99
76) p/m Xylene	8.659	106	98862	20.742	ug/L		97
77) o Xylene	8.942	106	108680	23.848	ug/L		88
78) Styrene	8.981	104	173814	22.887	ug/L		88
80) Bromoform	8.984	173	13670	8.252	ug/L		94
82) Isopropylbenzene	9.151	105	140772	10.367	ug/L		97
87) 1,1,2,2-Tetrachloroethane	9.465	83	25653	9.304	ug/L		99
100) 1,3-Dichlorobenzene	9.944	146	66526	10.820	ug/L		98
101) 1,4-Dichlorobenzene	9.997	146	65899	10.598	ug/L		97
104) 1,2-Dichlorobenzene	10.239	146	61131	10.322	ug/L		98
106) 1,2-Dibromo-3-chloropr...	10.695	155	3403	7.624	ug/L		93
109) 1,2,4-Trichlorobenzene	11.068	180	39068	9.714	ug/L		98
111) 1,2,3-Trichlorobenzene	11.352	180	34451	9.414	ug/L		97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2020\200701N\
Data File : VE200701N02.D
Acq On : 1 Jul 2020 5:36 pm
Operator : ELAINE:TMS
Sample : WG1388497-4,31,10,10
Misc : WG1388497,ICAL16849
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 01 18:05:34 2020
Quant Method : I:\VOLATILES\Elaine\2020\200701N\Elaine_200602N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jun 03 14:54:28 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2020\200701N\VE200701N01.D
Sub List : 8260-Curve - Megamix plus Diox

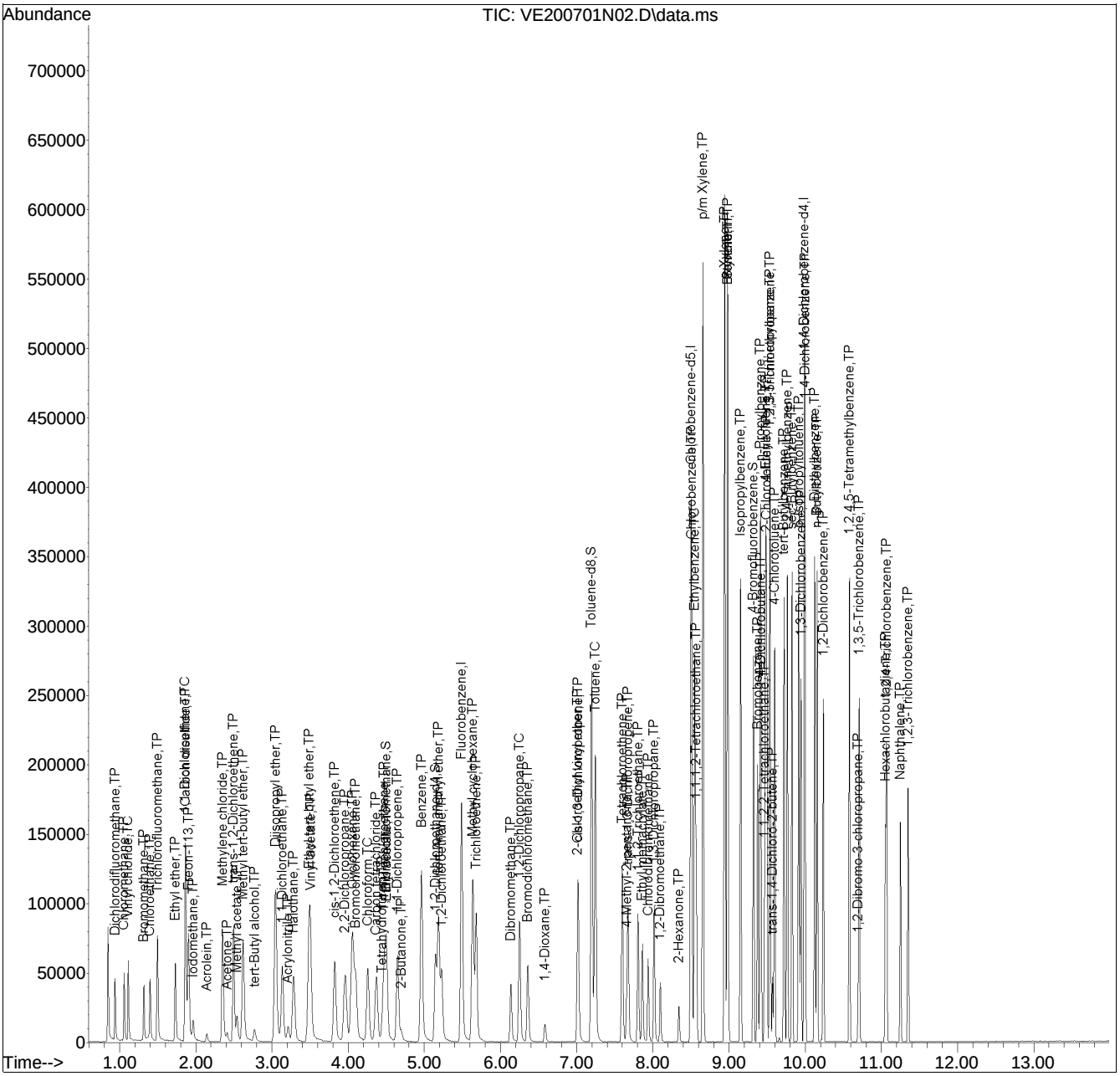
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

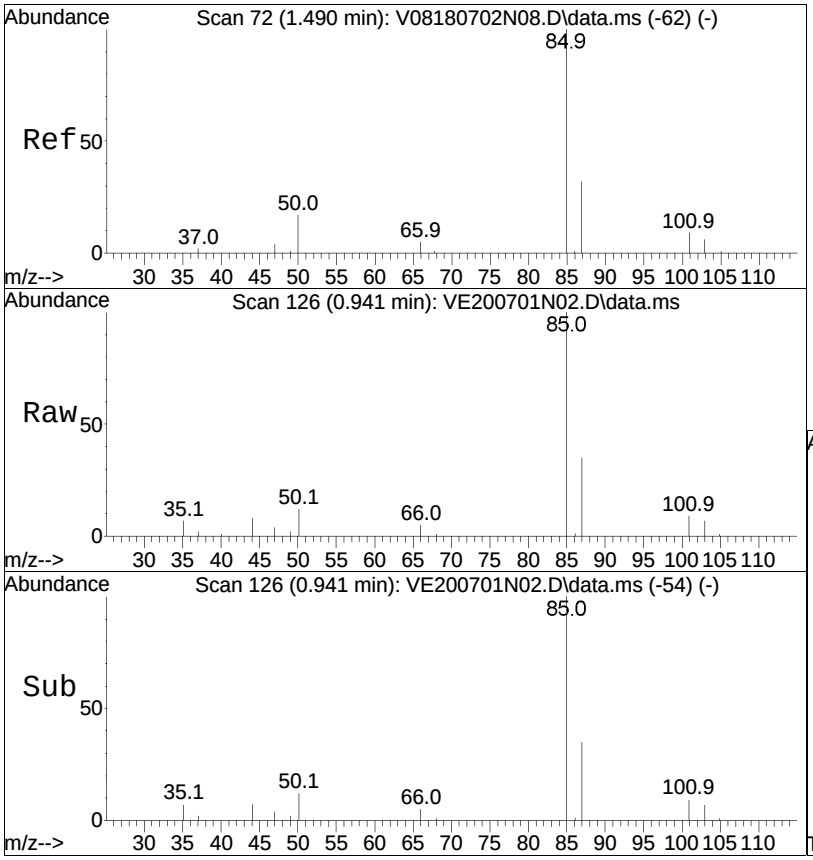
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2020\200701N\
Data File : VE200701N02.D
Acq On : 1 Jul 2020 5:36 pm
Operator : ELAINE:TMS
Sample : WG1388497-4,31,10,10
Misc : WG1388497,ICAL16849
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 01 18:05:34 2020
Quant Method : I:\VOLATILES\Elaine\2020\200701N\Elaine_200602N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jun 03 14:54:28 2020
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox00701N\VE200701N01.D•

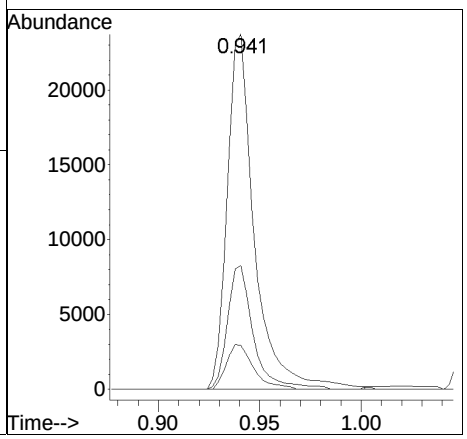


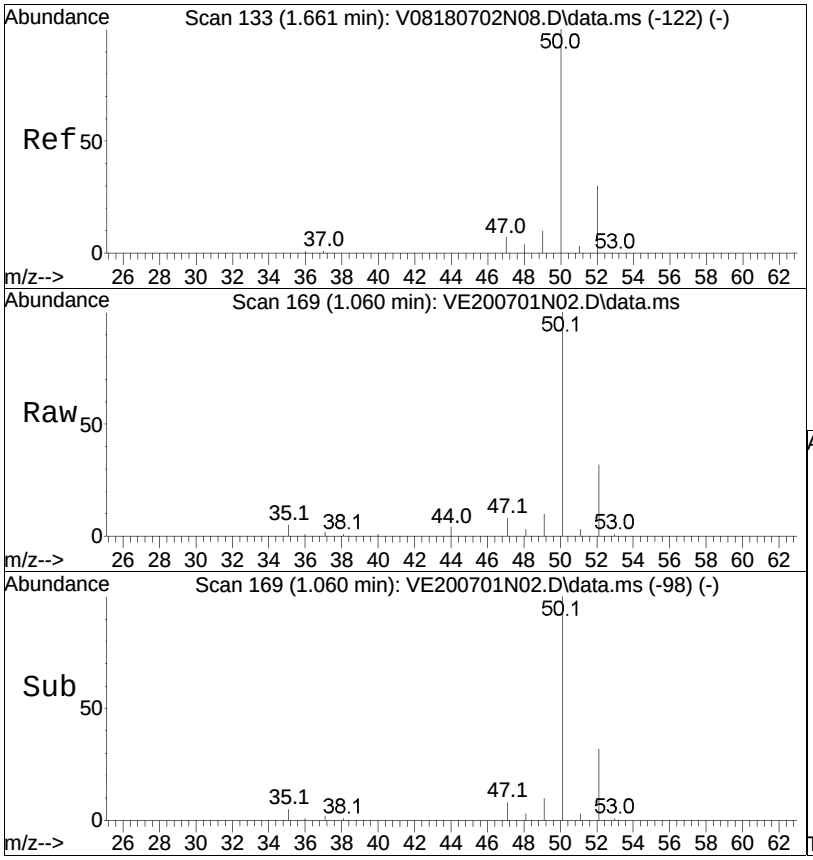


#2
Dichlorodifluoromethane
Concen: 8.04 ug/L M1
RT: 0.941 min Scan# 126
Delta R.T. -0.000 min
Lab File: VE200701N02.D
Acq: 1 Jul 2020 5:36 pm

Tgt Ion: 85 Resp: 22283

Ion	Ratio	Lower	Upper
85	100		
87	33.1	21.0	43.6
50	12.7	8.9	18.5

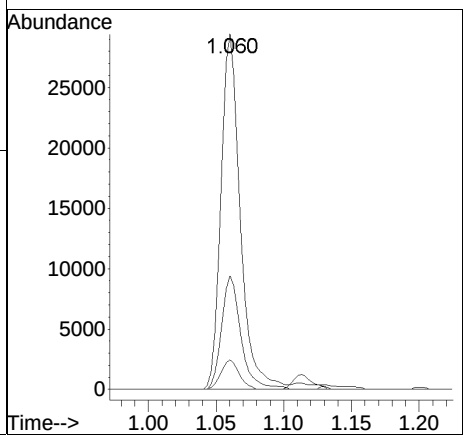


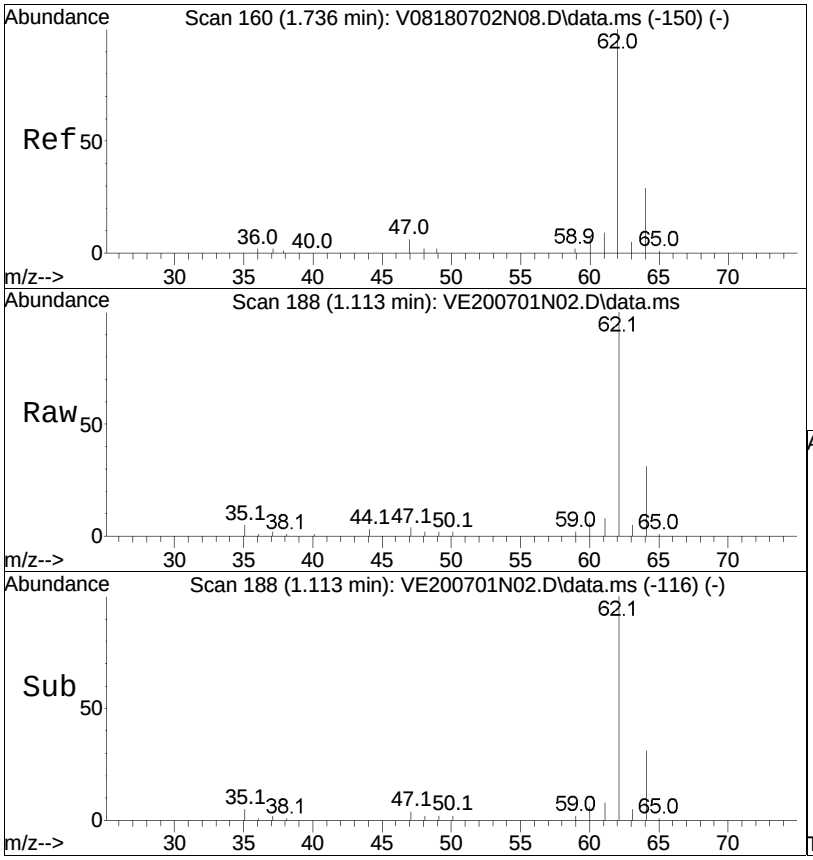


#3
Chloromethane
Concen: 10.30 ug/L M1
RT: 1.060 min Scan# 169
Delta R.T. -0.003 min
Lab File: VE200701N02.D
Acq: 1 Jul 2020 5:36 pm

Tgt Ion: 50 Resp: 30254

Ion	Ratio	Lower	Upper
50	100		
52	30.9	12.9	52.9
47	7.6	0.0	28.3

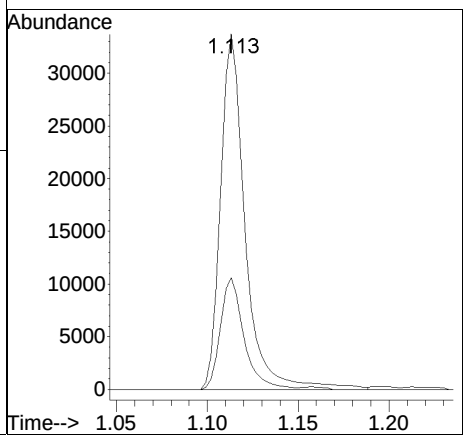


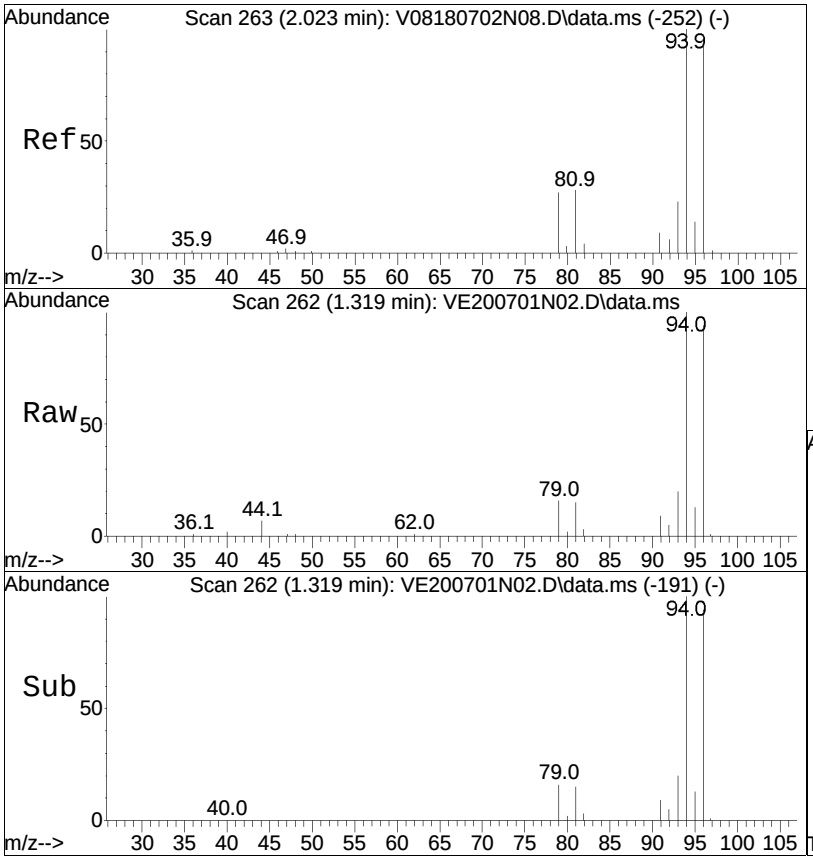


#4
Vinyl chloride
Concen: 9.65 ug/L
RT: 1.113 min Scan# 188
Delta R.T. 0.000 min
Lab File: VE200701N02.D
Acq: 1 Jul 2020 5:36 pm

Tgt Ion: 62 Resp: 31838

Ion	Ratio	Lower	Upper
62	100		
64	30.0	9.1	49.1

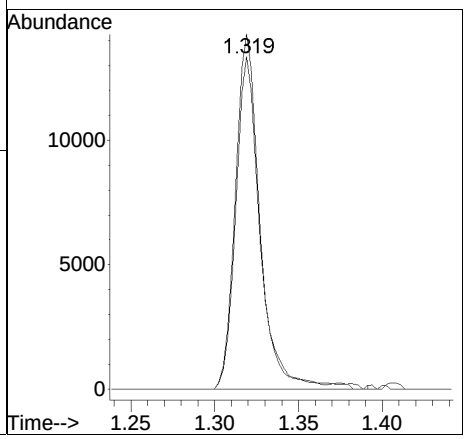


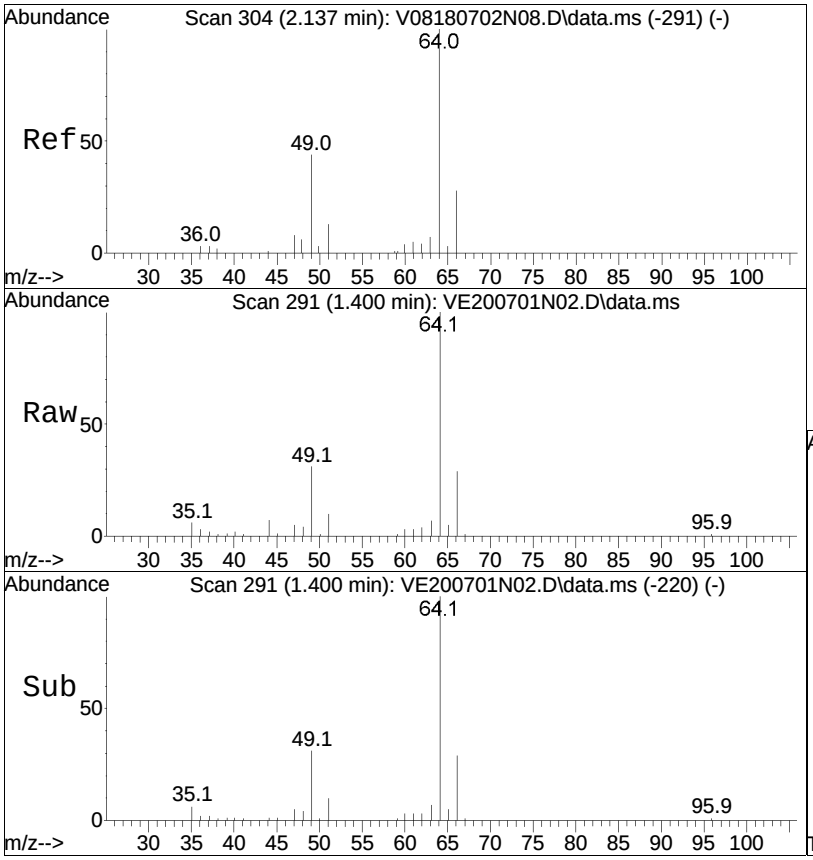


#5
Bromomethane
Concen: 9.89 ug/L M1
RT: 1.319 min Scan# 262
Delta R.T. -0.003 min
Lab File: VE200701N02.D
Acq: 1 Jul 2020 5:36 pm

Tgt Ion: 94 Resp: 14742

Ion	Ratio	Lower	Upper
94	100		
96	91.8	75.6	115.6

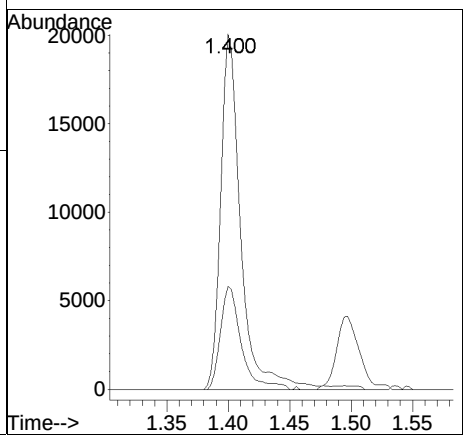


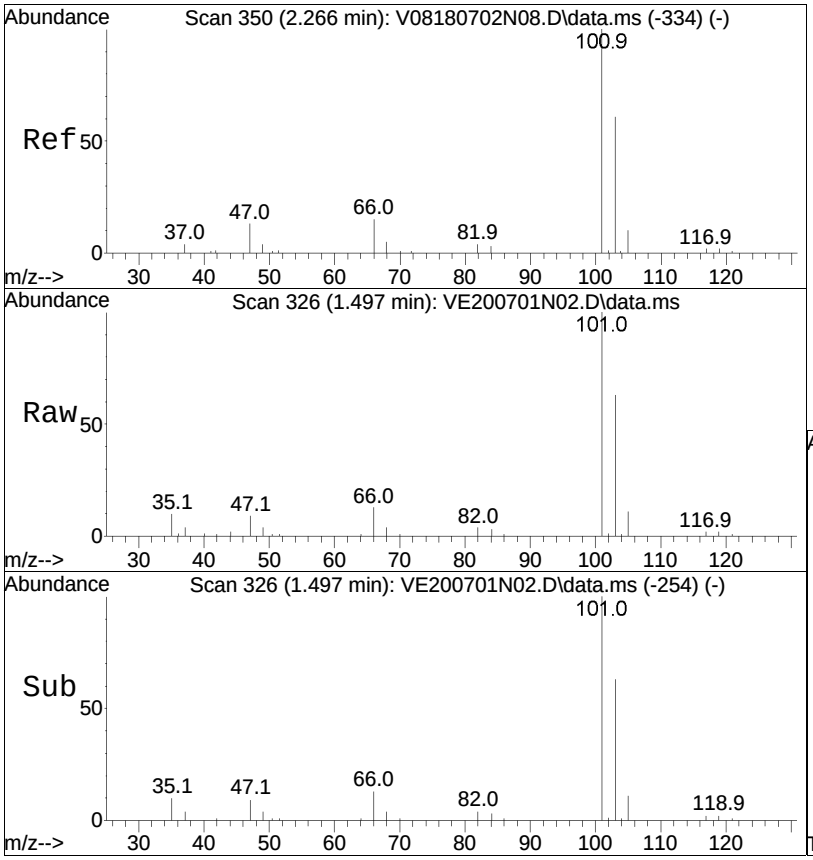


#6
Chloroethane
Concen: 12.08 ug/L M1
RT: 1.400 min Scan# 291
Delta R.T. -0.002 min
Lab File: VE200701N02.D
Acq: 1 Jul 2020 5:36 pm

Tgt Ion: 64 Resp: 23079

Ion	Ratio	Lower	Upper
64	100		
66	29.6	9.8	49.8

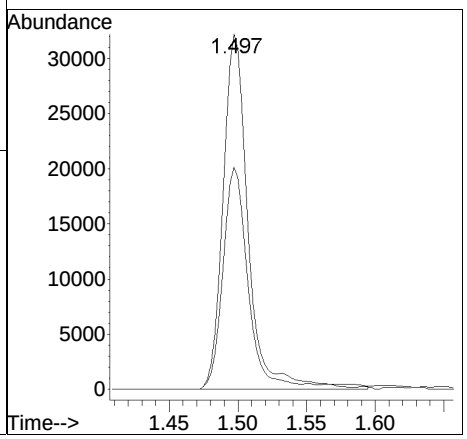


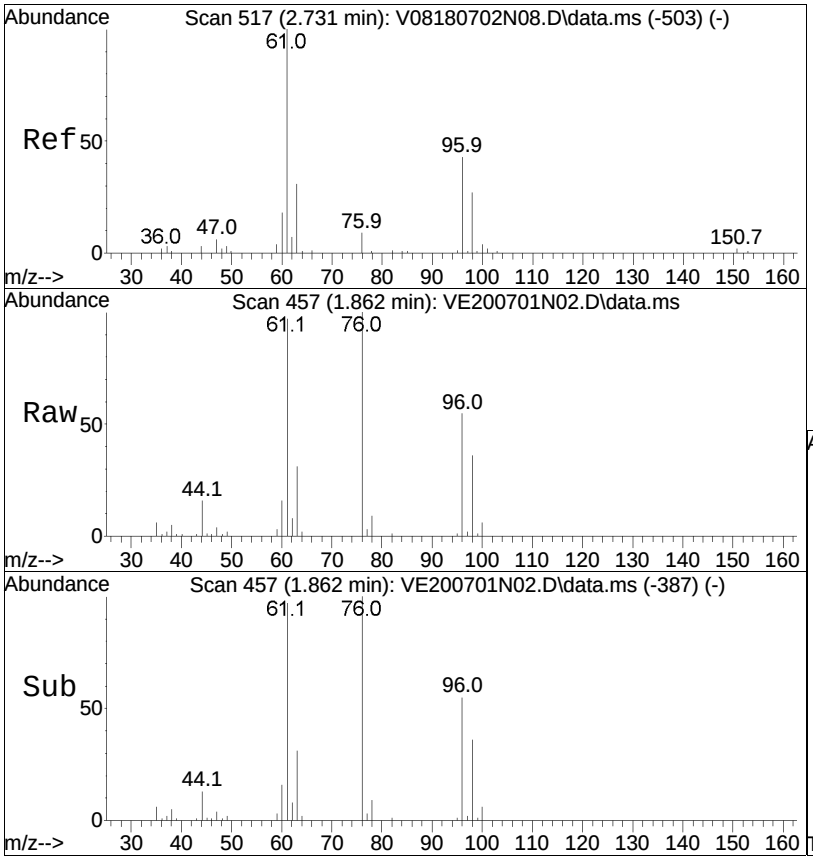


#7
Trichlorofluoromethane
Concen: 10.93 ug/L
RT: 1.497 min Scan# 326
Delta R.T. 0.000 min
Lab File: VE200701N02.D
Acq: 1 Jul 2020 5:36 pm

Tgt Ion:101 Resp: 41324

Ion	Ratio	Lower	Upper
101	100		
103	61.5	53.8	80.6

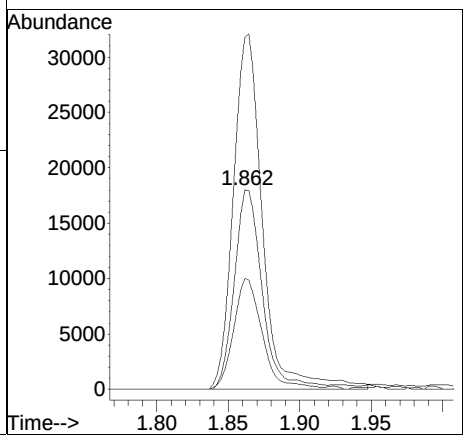


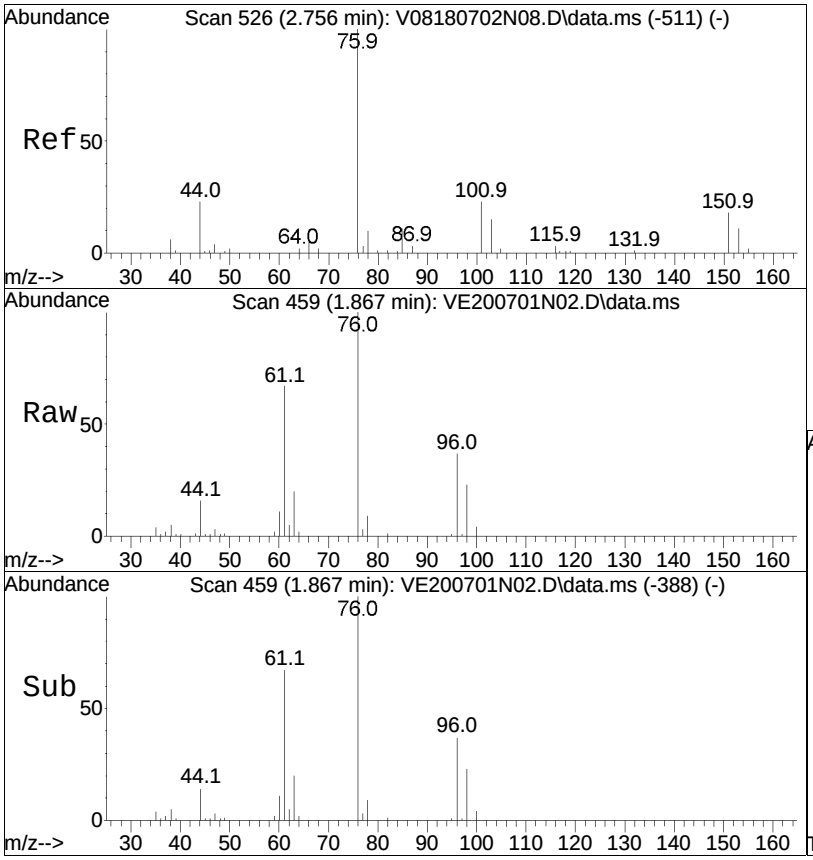


#10
1,1-Dichloroethene
Concen: 10.99 ug/L M1
RT: 1.862 min Scan# 457
Delta R.T. -0.005 min
Lab File: VE200701N02.D
Acq: 1 Jul 2020 5:36 pm

Tgt Ion: 96 Resp: 25270

Ion	Ratio	Lower	Upper
96	100		
61	177.4	186.1	279.1#
63	55.4	57.6	86.4#

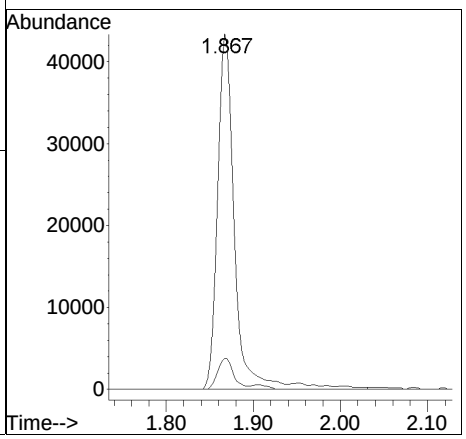


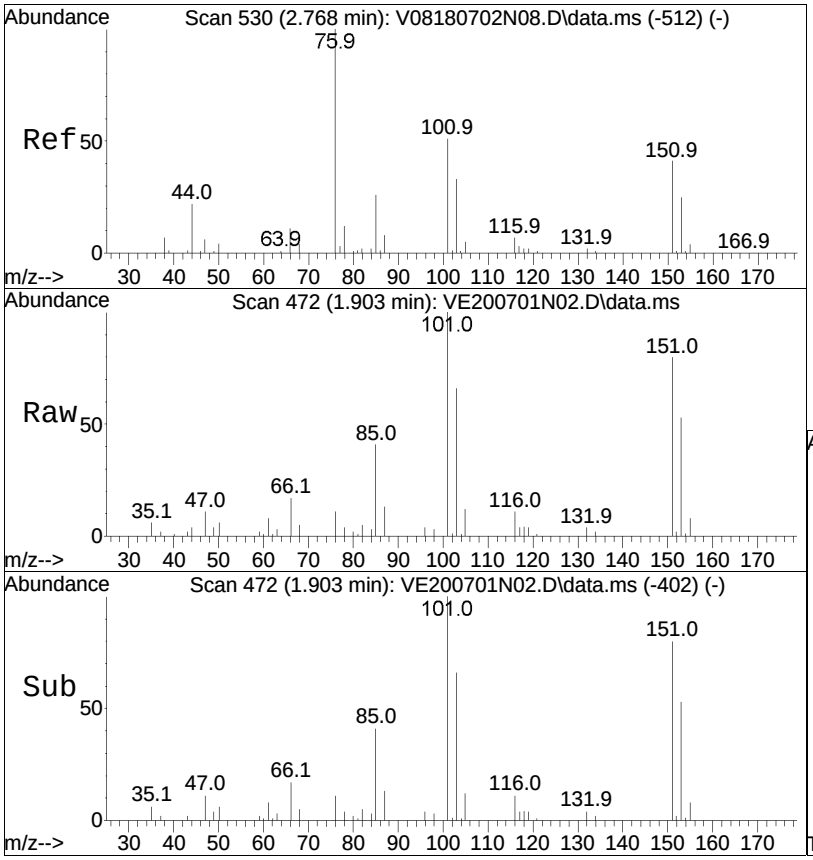


#11
Carbon disulfide
Concen: 11.07 ug/L M1
RT: 1.867 min Scan# 459
Delta R.T. -0.003 min
Lab File: VE200701N02.D
Acq: 1 Jul 2020 5:36 pm

Tgt Ion: 76 Resp: 59640

Ion	Ratio	Lower	Upper
76	100		
78	8.0	5.7	11.7

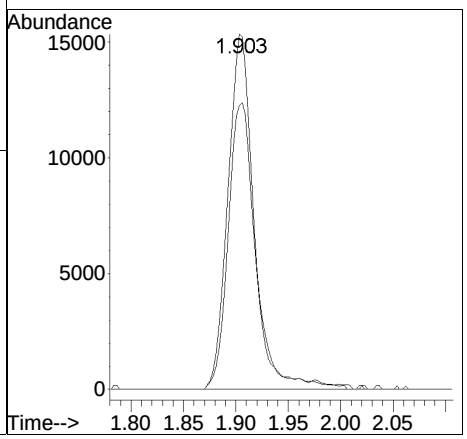


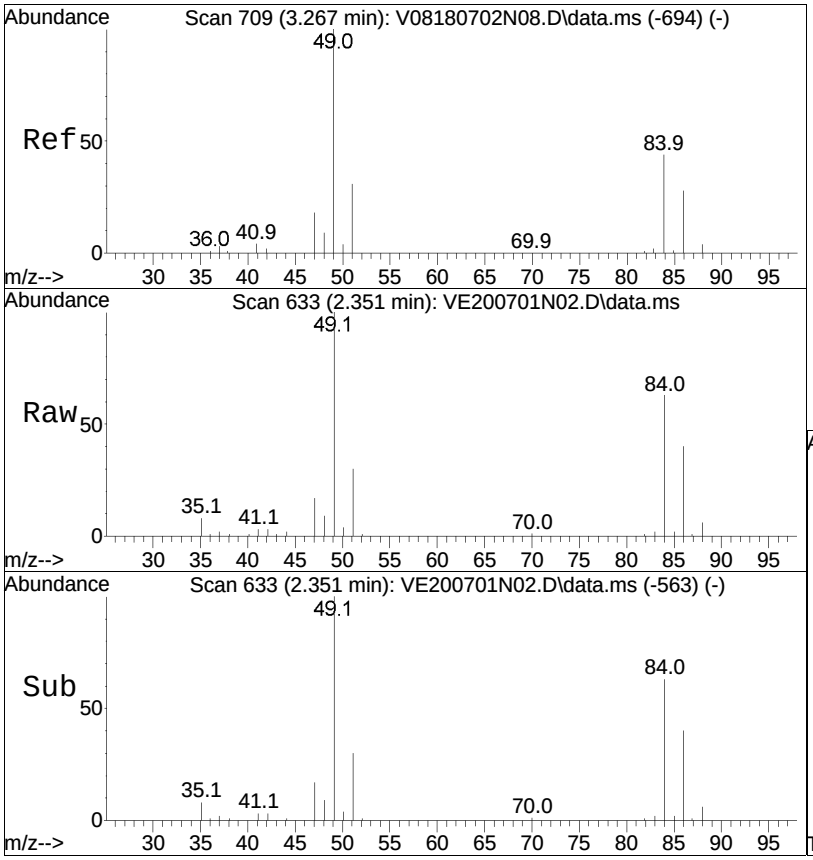


#12
Freon-113
Concen: 11.09 ug/L M1
RT: 1.903 min Scan# 472
Delta R.T. -0.006 min
Lab File: VE200701N02.D
Acq: 1 Jul 2020 5:36 pm

Tgt Ion:101 Resp: 27017

Ion	Ratio	Lower	Upper
101	100		
151	81.9	59.8	89.8

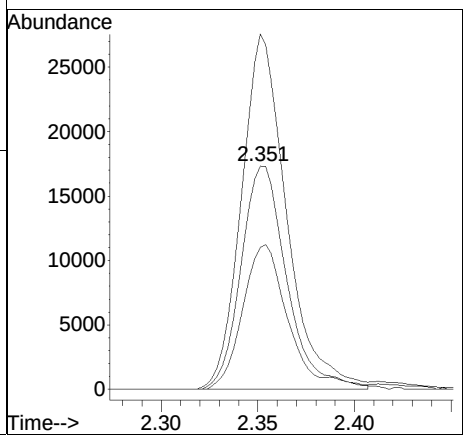


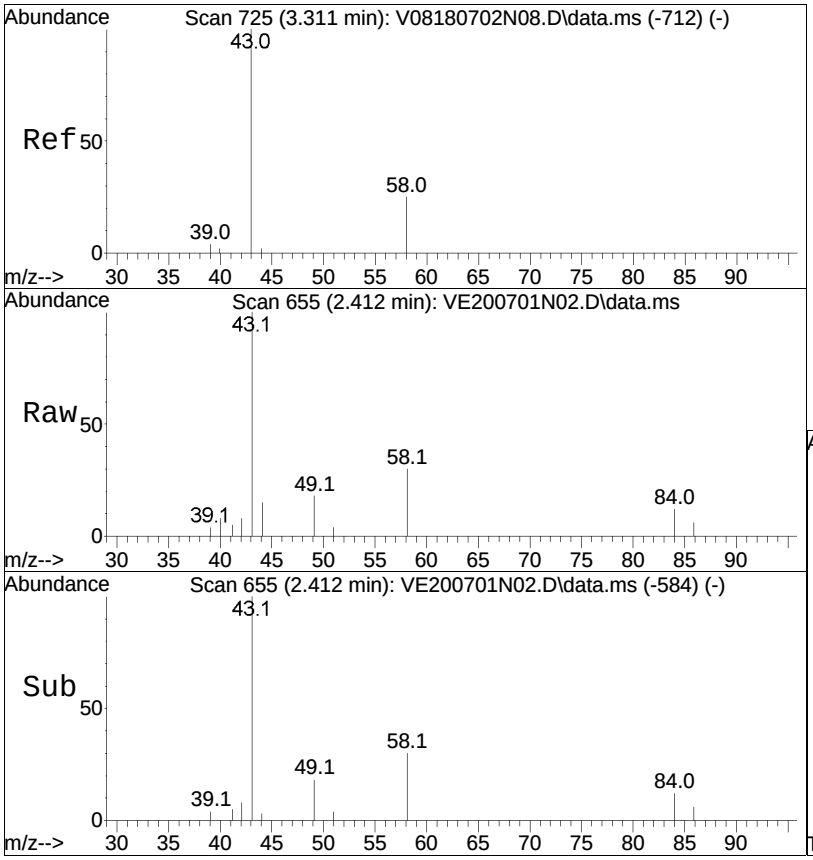


#15
Methylene chloride
Concen: 10.21 ug/L
RT: 2.351 min Scan# 633
Delta R.T. -0.006 min
Lab File: VE200701N02.D
Acq: 1 Jul 2020 5:36 pm

Tgt Ion: 84 Resp: 28635

Ion	Ratio	Lower	Upper
84	100		
86	65.0	40.4	83.8
49	156.7	120.0	249.2

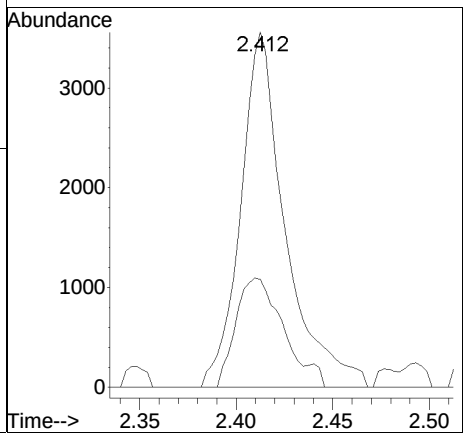


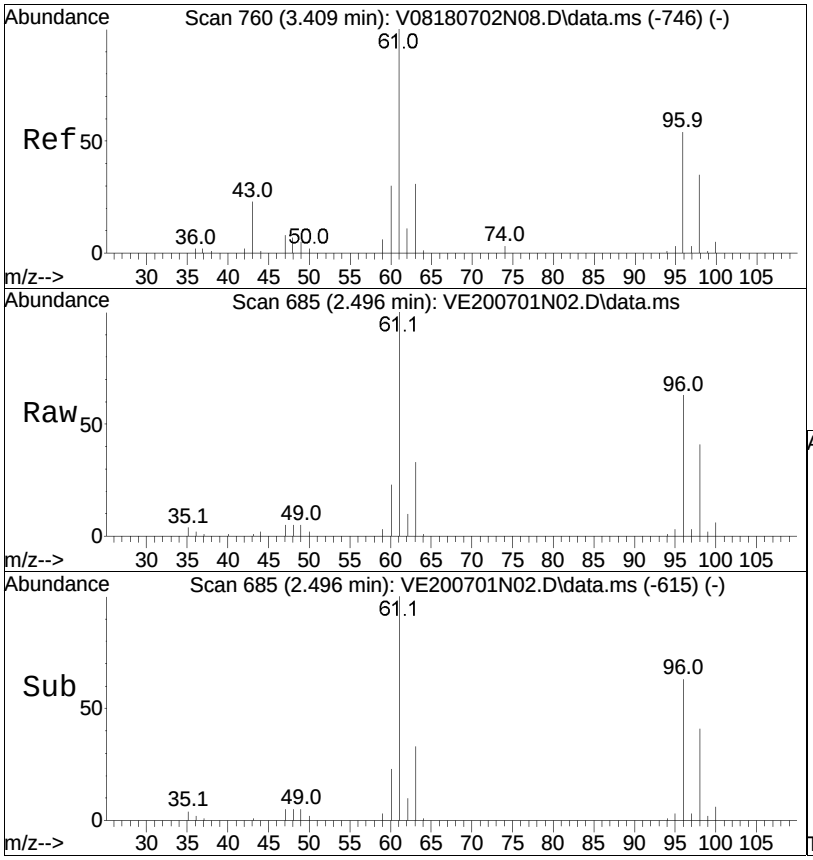


#17
Acetone
Concen: 9.14 ug/L
RT: 2.412 min Scan# 655
Delta R.T. -0.003 min
Lab File: VE200701N02.D
Acq: 1 Jul 2020 5:36 pm

Tgt Ion: 43 Resp: 5727

Ion	Ratio	Lower	Upper
43	100		
58	33.1	24.2	36.4

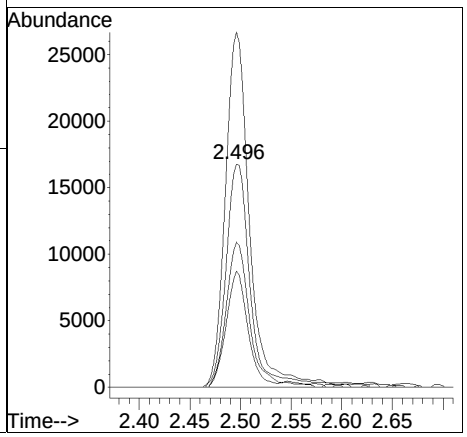


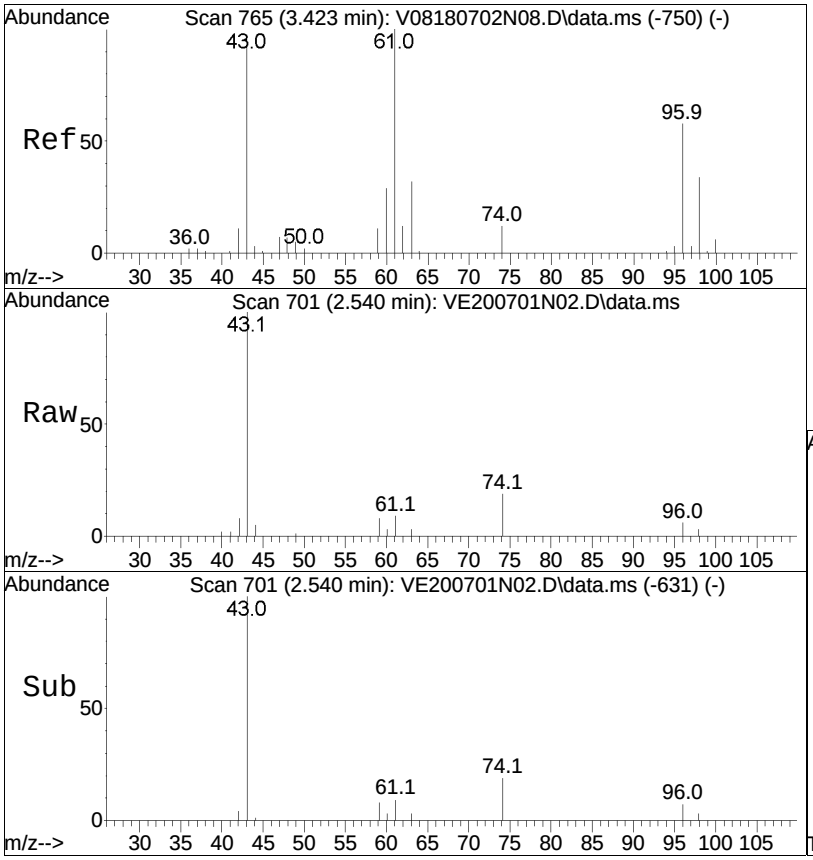


#18
trans-1,2-Dichloroethene
Concen: 11.59 ug/L M1
RT: 2.496 min Scan# 685
Delta R.T. -0.005 min
Lab File: VE200701N02.D
Acq: 1 Jul 2020 5:36 pm

Tgt Ion: 96 Resp: 28760

Ion	Ratio	Lower	Upper
96	100		
61	153.4	124.0	257.6
98	60.2	41.2	85.6
63	45.6	38.4	79.7

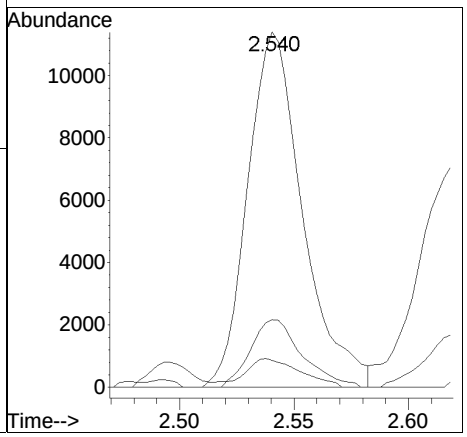


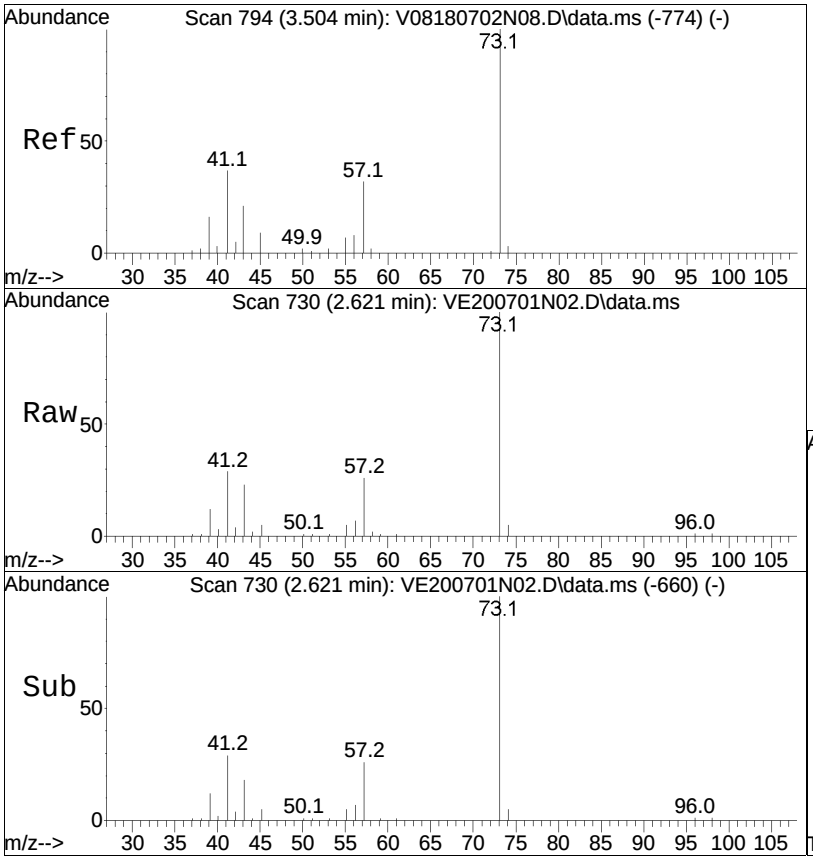


#19
Methyl acetate
Concen: 10.41 ug/L
RT: 2.540 min Scan# 701
Delta R.T. -0.006 min
Lab File: VE200701N02.D
Acq: 1 Jul 2020 5:36 pm

Tgt Ion: 43 Resp: 19033

Ion	Ratio	Lower	Upper
43	100		
74	18.0	14.2	21.4
59	8.0	5.0	7.6#

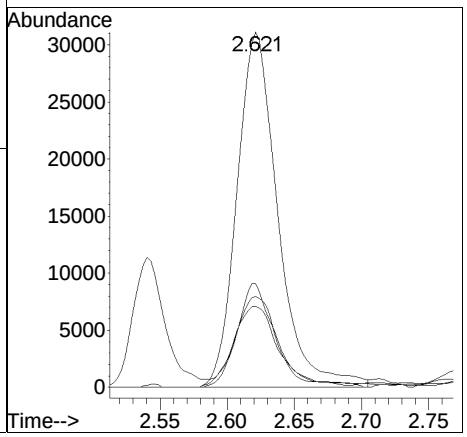


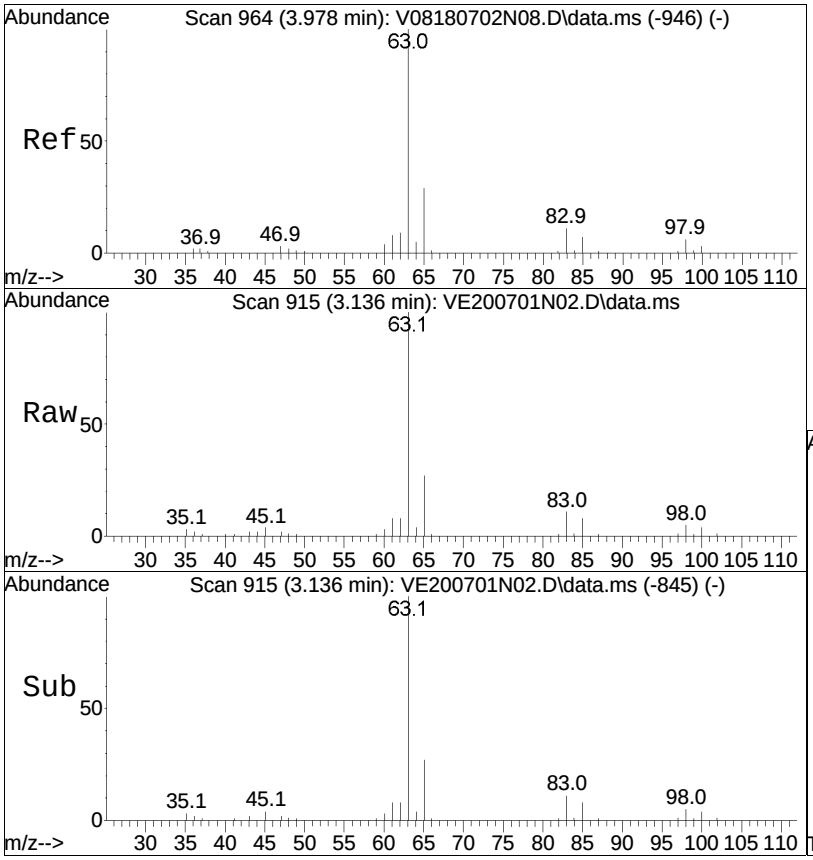


#20
Methyl tert-butyl ether
Concen: 9.13 ug/L
RT: 2.621 min Scan# 730
Delta R.T. -0.006 min
Lab File: VE200701N02.D
Acq: 1 Jul 2020 5:36 pm

Tgt Ion: 73 Resp: 66055

Ion	Ratio	Lower	Upper
73	100		
57	26.3	17.5	36.3
43	23.4	15.3	31.9
41	28.0	15.3	31.7

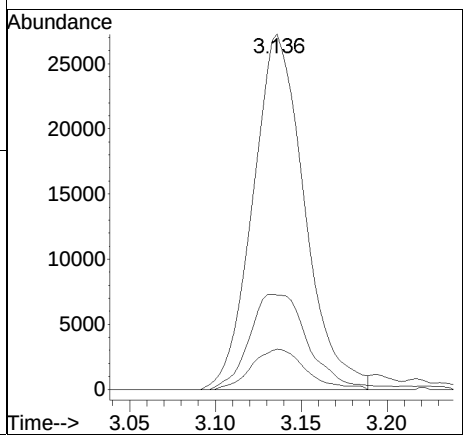


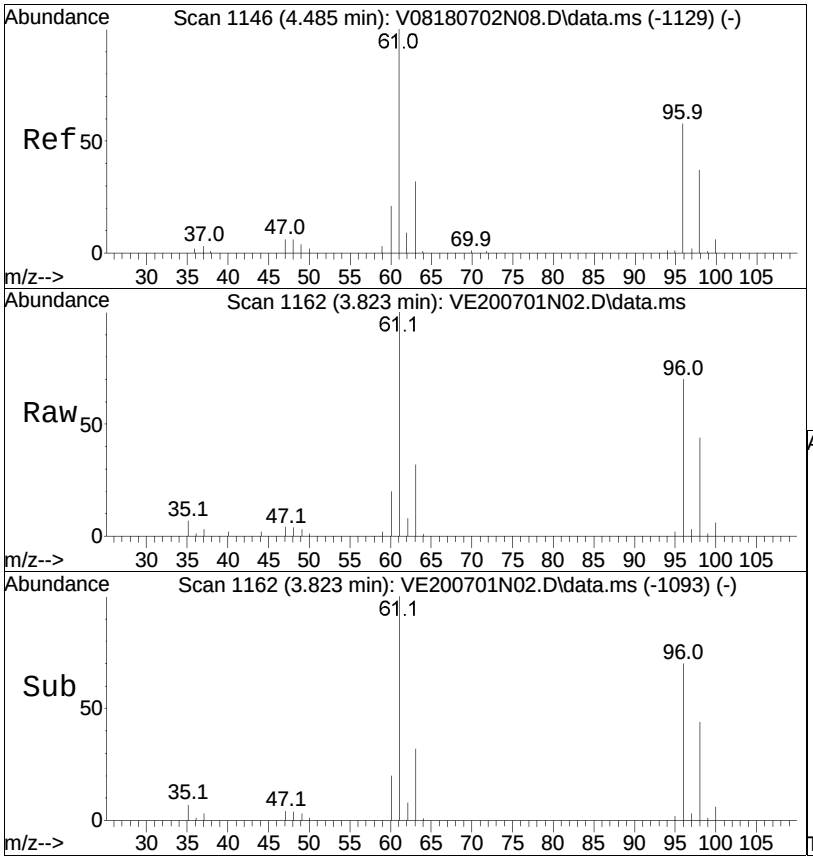


#23
1,1-Dichloroethane
Concen: 10.97 ug/L
RT: 3.136 min Scan# 915
Delta R.T. -0.005 min
Lab File: VE200701N02.D
Acq: 1 Jul 2020 5:36 pm

Tgt Ion: 63 Resp: 57109

Ion	Ratio	Lower	Upper
63	100		
65	30.5	11.0	51.0
83	11.9	0.0	31.8

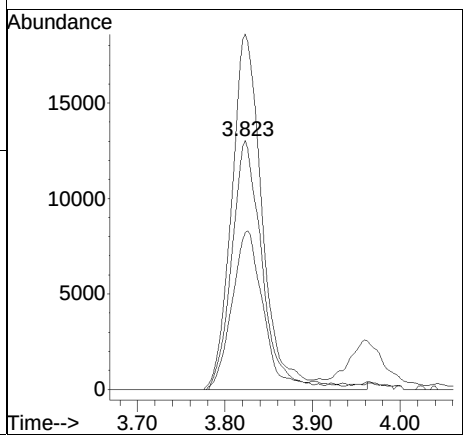


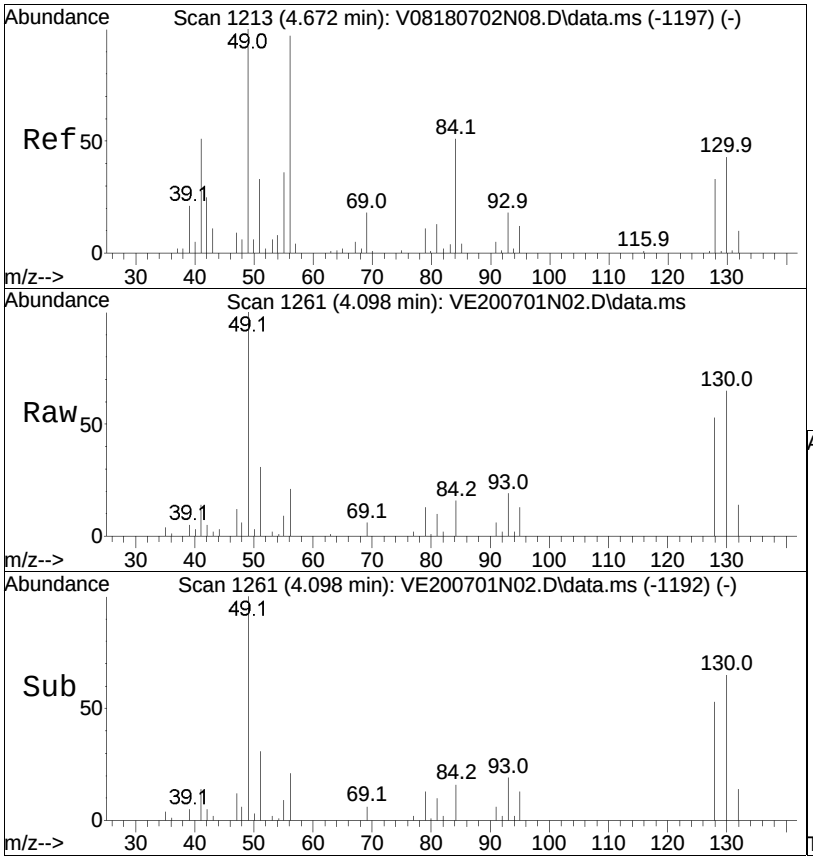


#28
cis-1,2-Dichloroethene
Concen: 11.32 ug/L M1
RT: 3.823 min Scan# 1162
Delta R.T. -0.008 min
Lab File: VE200701N02.D
Acq: 1 Jul 2020 5:36 pm

Tgt Ion: 96 Resp: 32047

Ion	Ratio	Lower	Upper
96	100		
61	139.0	149.4	224.2#
98	64.3	53.4	80.2

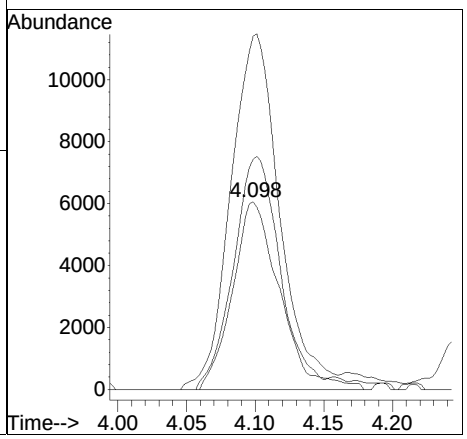


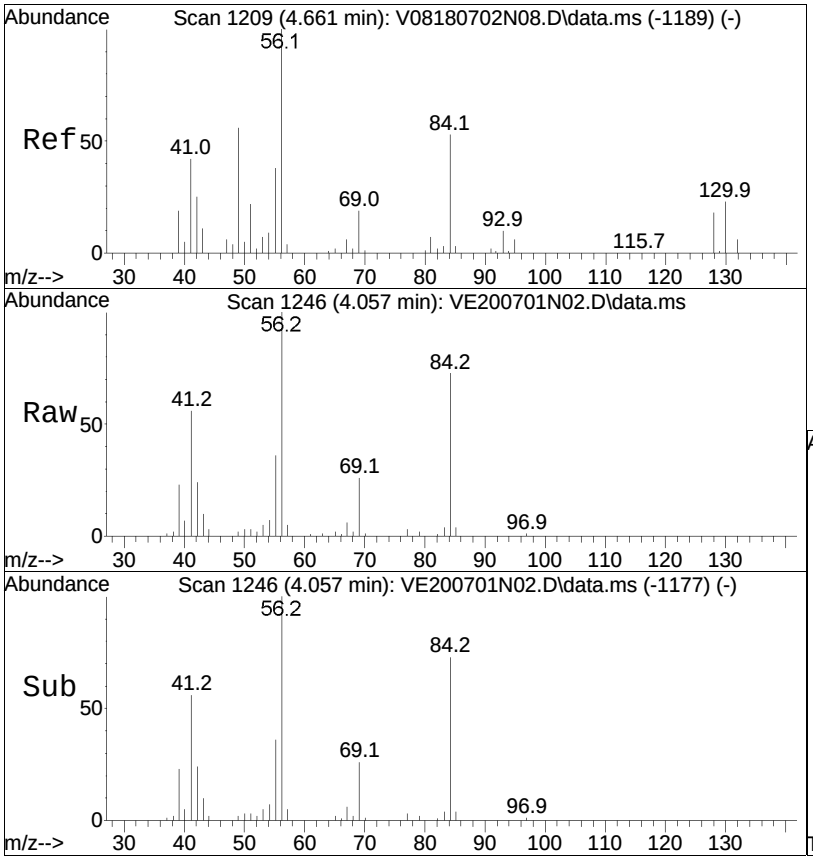


#30
Bromochloromethane
Concen: 11.38 ug/L
RT: 4.098 min Scan# 1261
Delta R.T. -0.009 min
Lab File: VE200701N02.D
Acq: 1 Jul 2020 5:36 pm

Tgt Ion:128 Resp: 14533

Ion	Ratio	Lower	Upper
128	100		
49	195.4	223.0	334.4#
130	122.3	111.4	167.0

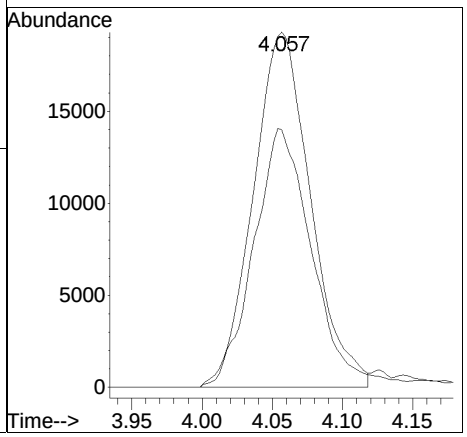


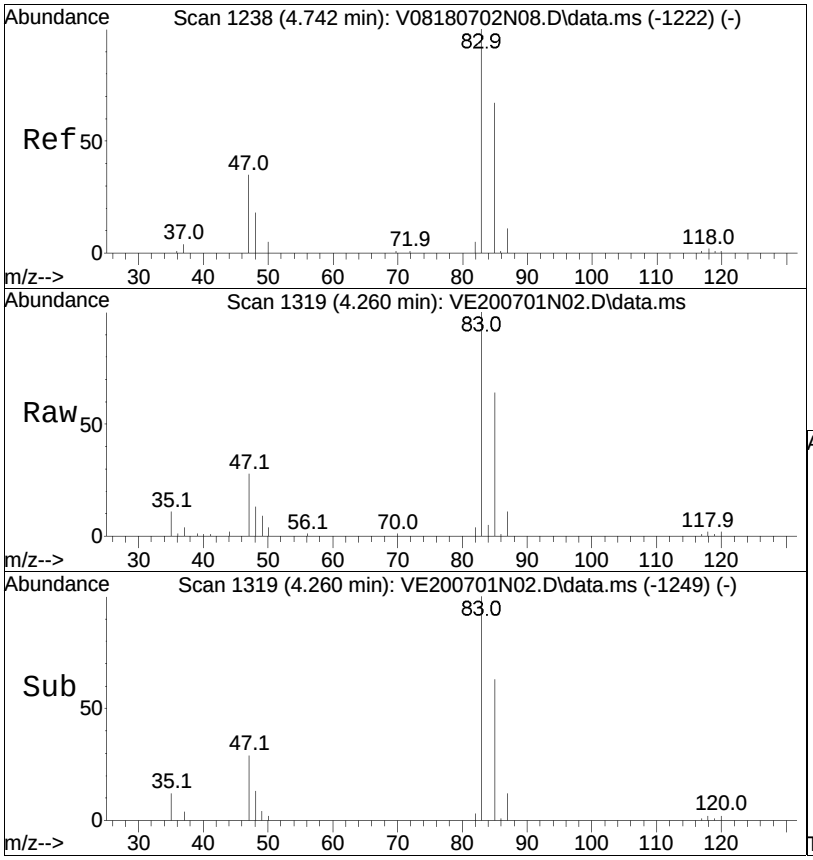


#31
Cyclohexane
Concen: 10.56 ug/L
RT: 4.057 min Scan# 1246
Delta R.T. -0.008 min
Lab File: VE200701N02.D
Acq: 1 Jul 2020 5:36 pm

Tgt Ion: 56 Resp: 55018

Ion	Ratio	Lower	Upper
56	100		
84	74.1	38.4	79.8

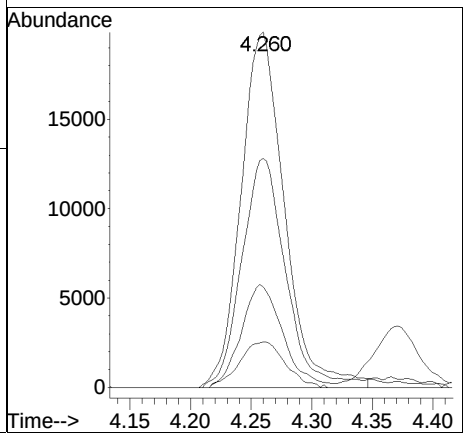


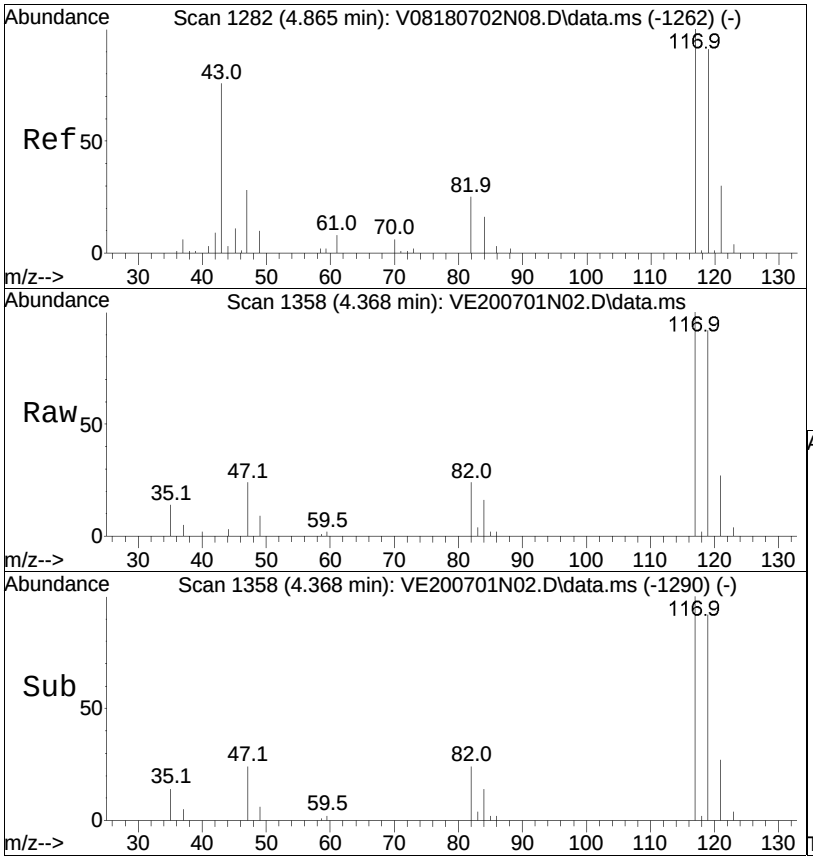


#32
Chloroform
Concen: 10.60 ug/L
RT: 4.260 min Scan# 1319
Delta R.T. -0.005 min
Lab File: VE200701N02.D
Acq: 1 Jul 2020 5:36 pm

Tgt Ion: 83 Resp: 49643

Ion	Ratio	Lower	Upper
83	100		
85	65.2	41.5	86.1
47	27.8	19.0	39.4
48	13.5	9.9	20.5

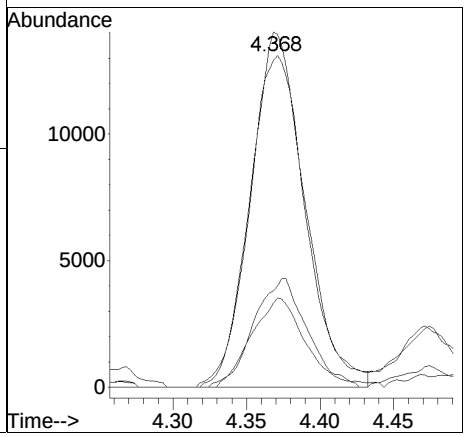


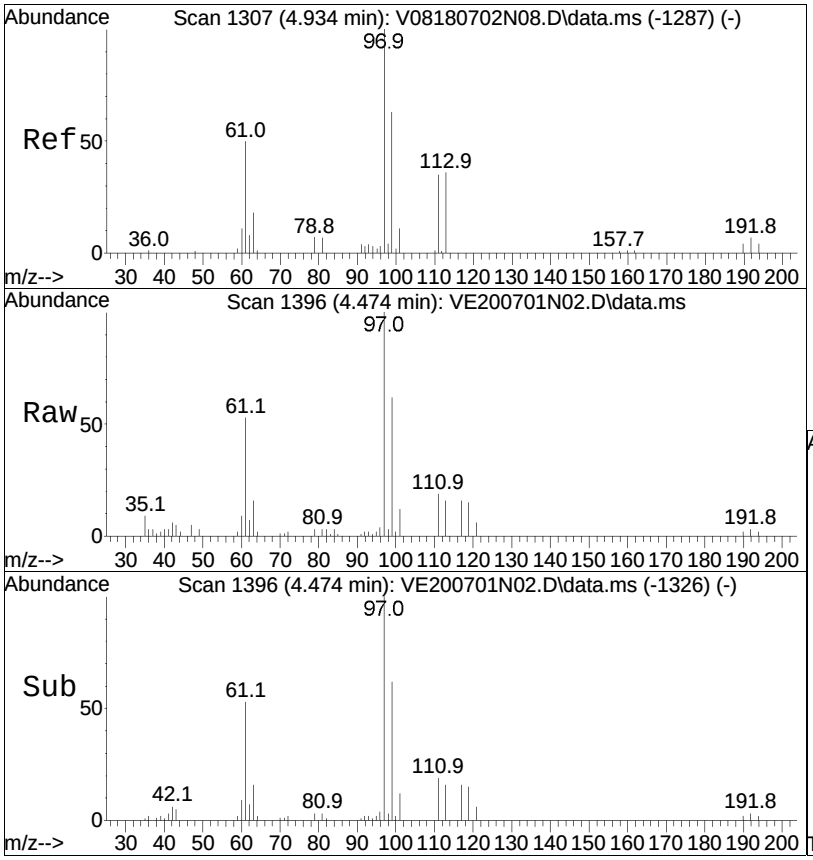


#34
Carbon tetrachloride
Concen: 10.12 ug/L
RT: 4.368 min Scan# 1358
Delta R.T. -0.011 min
Lab File: VE200701N02.D
Acq: 1 Jul 2020 5:36 pm

Tgt Ion:117 Resp: 36147

Ion	Ratio	Lower	Upper
117	100		
119	96.8	62.4	129.6
121	30.2	19.5	40.5
82	25.2	17.0	35.4

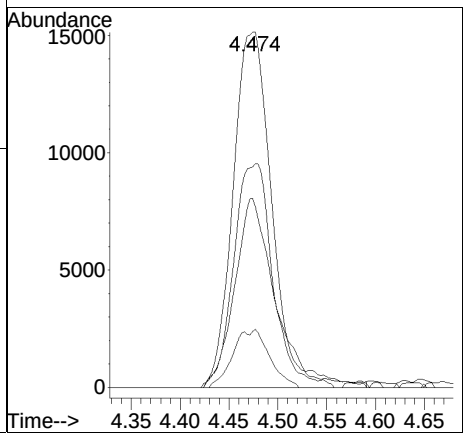


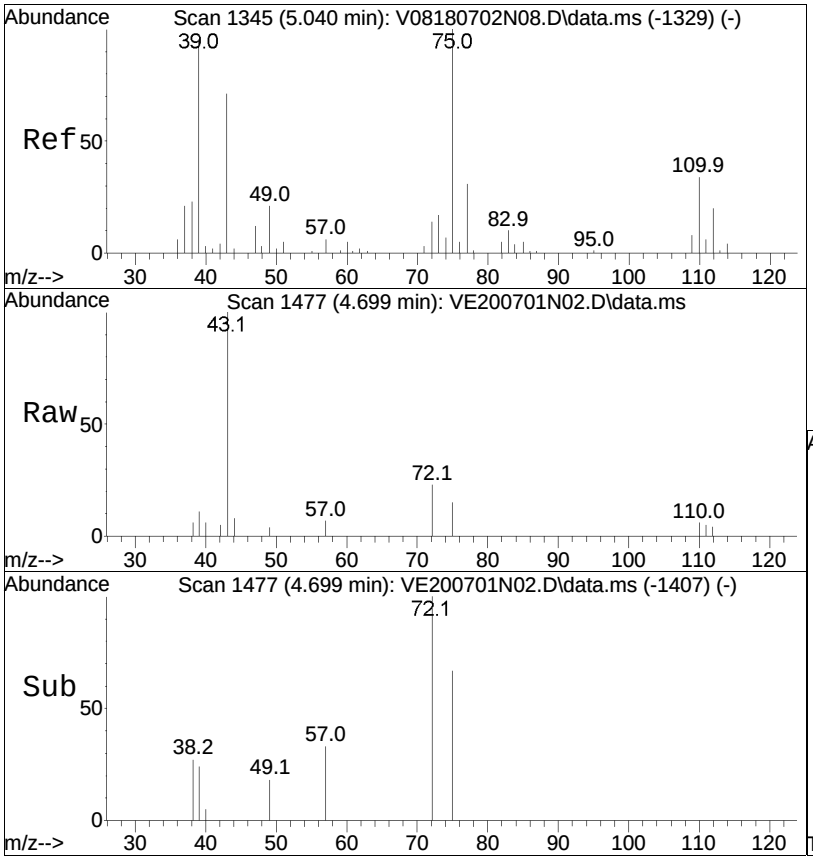


#37
1,1,1-Trichloroethane
Concen: 9.71 ug/L M1
RT: 4.474 min Scan# 1396
Delta R.T. -0.006 min
Lab File: VE200701N02.D
Acq: 1 Jul 2020 5:36 pm

Tgt Ion: 97 Resp: 42270

Ion	Ratio	Lower	Upper
97	100		
99	62.5	40.7	84.5
61	53.4	35.4	73.4
63	7.5	5.0	10.4

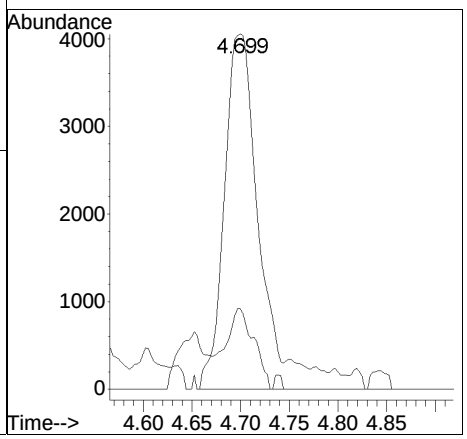


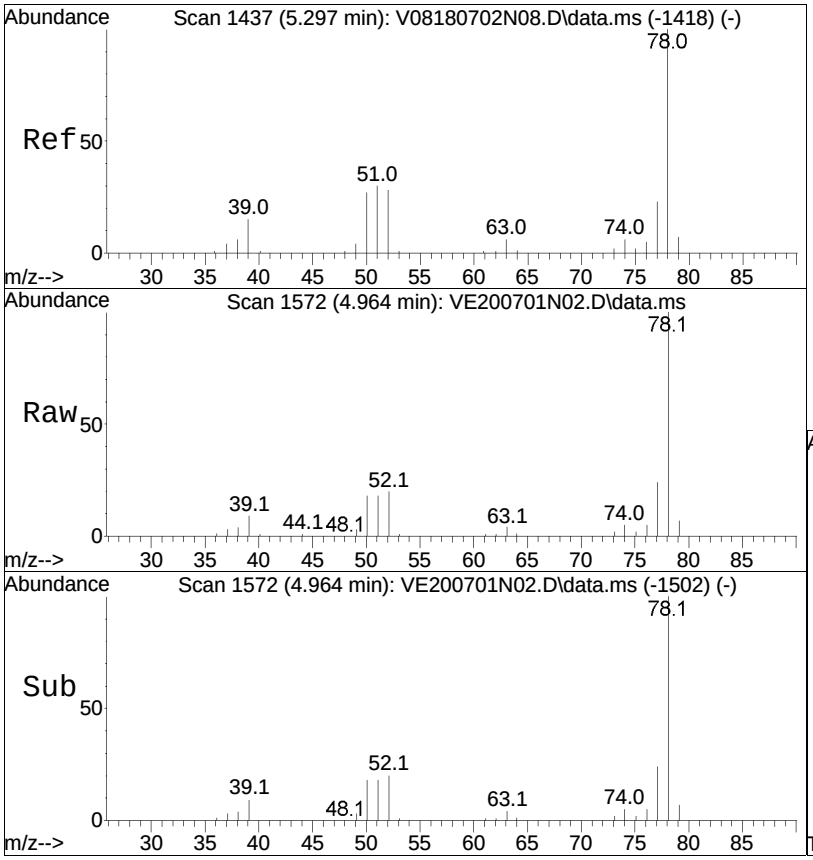


#39
2-Butanone
Concen: 10.82 ug/L M1
RT: 4.699 min Scan# 1477
Delta R.T. -0.006 min
Lab File: VE200701N02.D
Acq: 1 Jul 2020 5:36 pm

Tgt Ion: 43 Resp: 10651

Ion	Ratio	Lower	Upper
43	100		
72	15.7	10.9	16.3

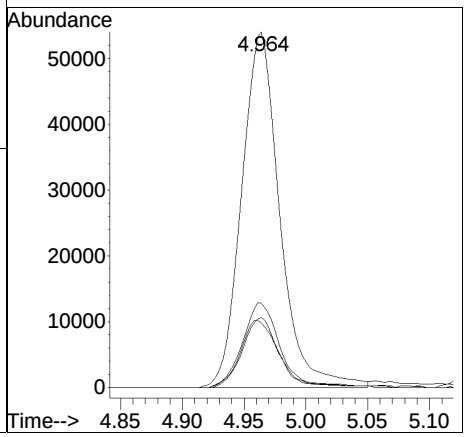


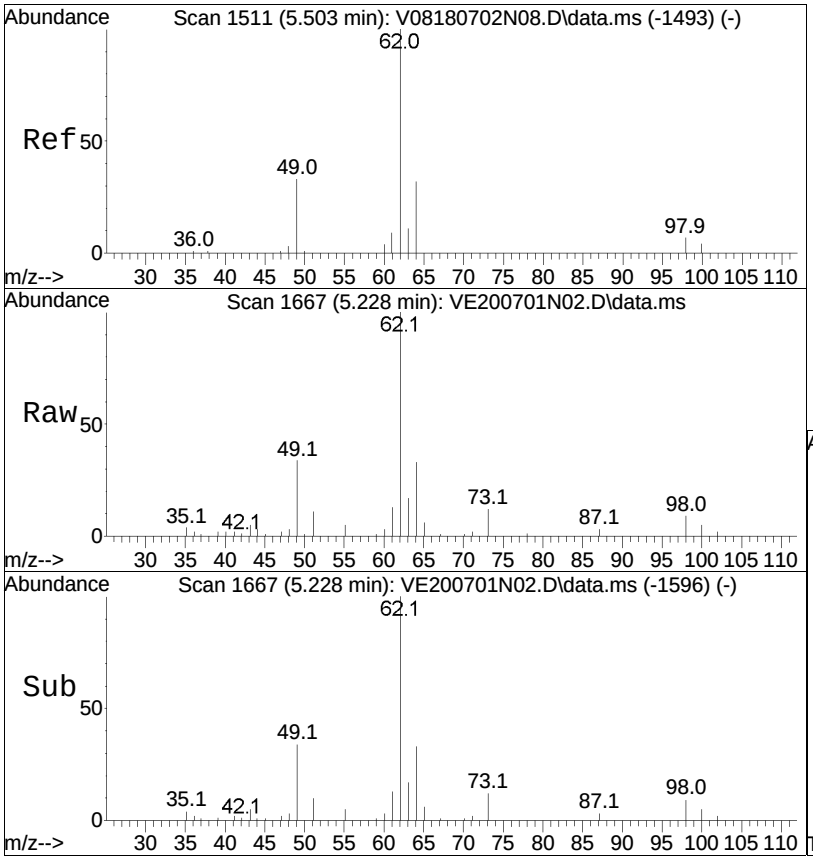


#41
Benzene
Concen: 9.90 ug/L
RT: 4.964 min Scan# 1572
Delta R.T. -0.005 min
Lab File: VE200701N02.D
Acq: 1 Jul 2020 5:36 pm

Tgt Ion: 78 Resp: 116054

Ion	Ratio	Lower	Upper
78	100		
77	23.6	15.7	32.7
51	19.1	16.0	33.2
52	18.8	15.3	31.9

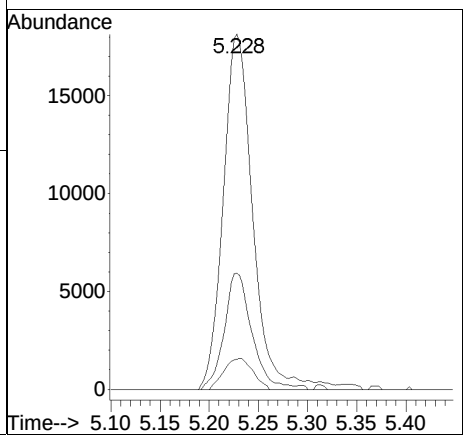


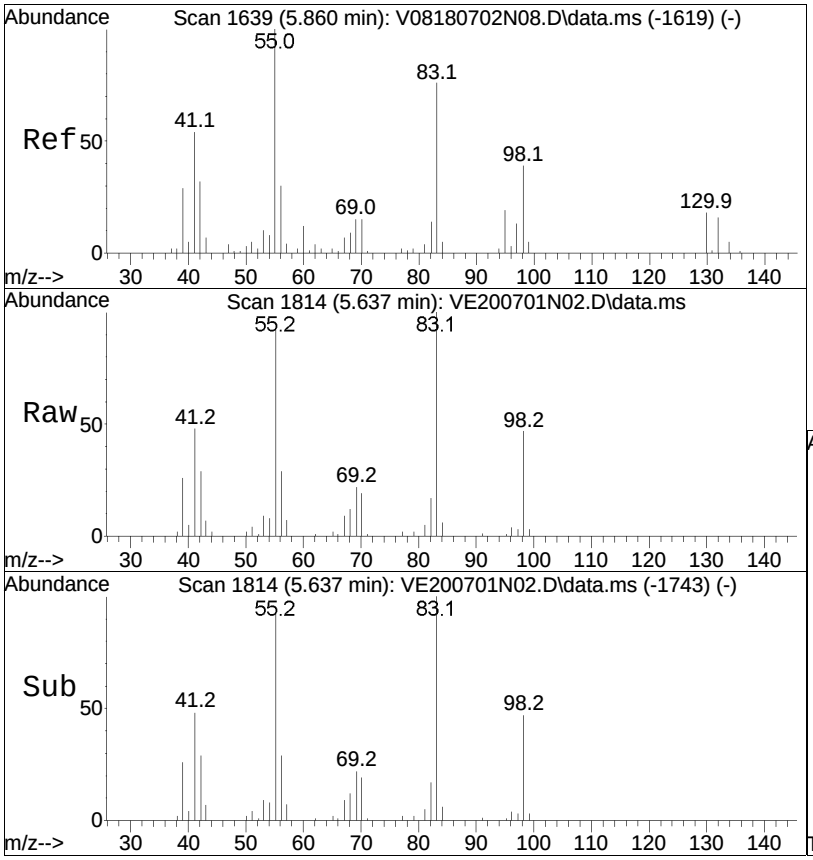


#44
1,2-Dichloroethane
Concen: 10.17 ug/L M1
RT: 5.228 min Scan# 1667
Delta R.T. -0.003 min
Lab File: VE200701N02.D
Acq: 1 Jul 2020 5:36 pm

Tgt Ion: 62 Resp: 38341

Ion	Ratio	Lower	Upper
62	100		
64	30.1	11.2	51.2
98	8.4	0.0	26.1

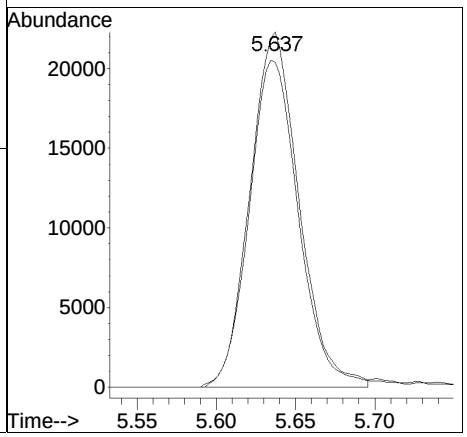


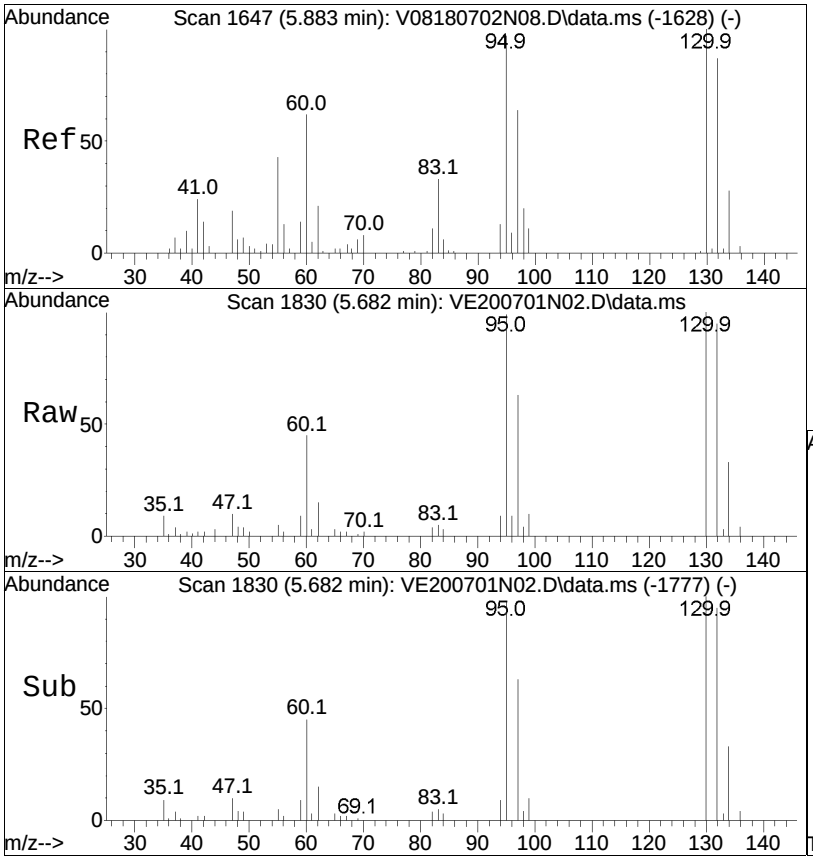


#47
Methyl cyclohexane
Concen: 10.36 ug/L
RT: 5.637 min Scan# 1814
Delta R.T. -0.003 min
Lab File: VE200701N02.D
Acq: 1 Jul 2020 5:36 pm

Tgt Ion: 83 Resp: 48201

Ion	Ratio	Lower	Upper
83	100		
55	93.3	88.3	132.5

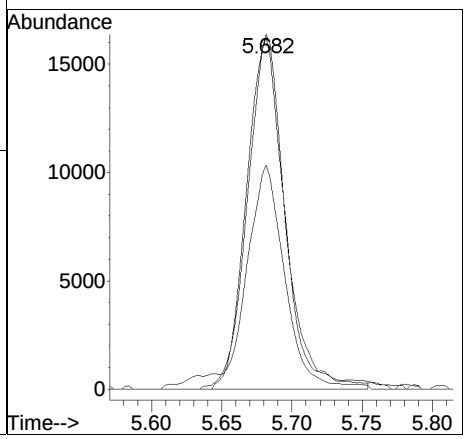


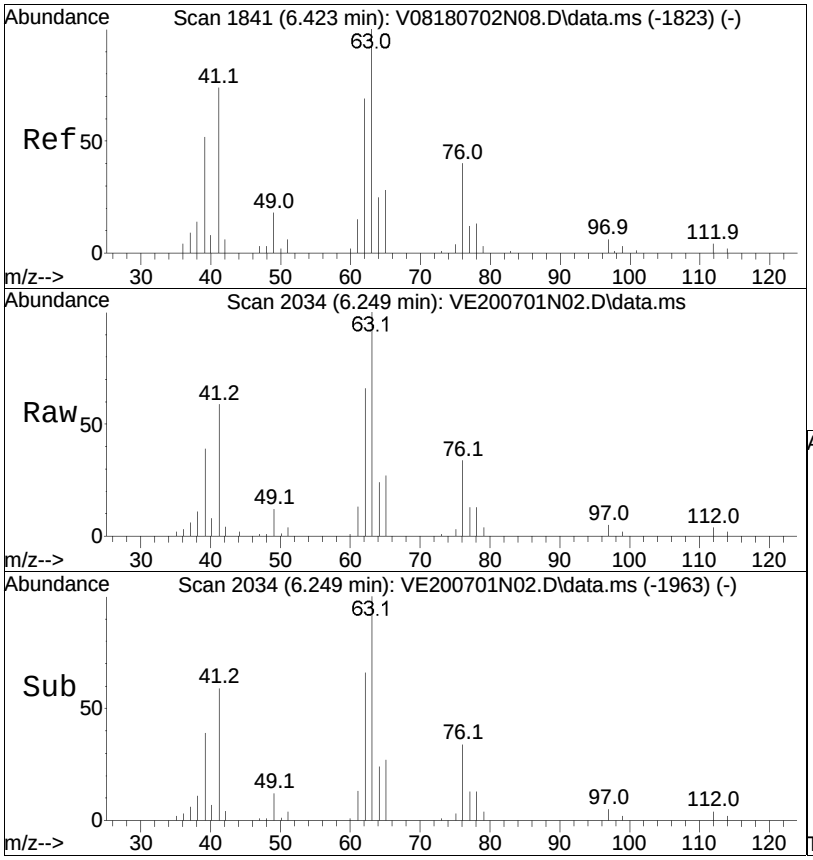


#48
Trichloroethene
Concen: 11.76 ug/L
RT: 5.682 min Scan# 1830
Delta R.T. -0.002 min
Lab File: VE200701N02.D
Acq: 1 Jul 2020 5:36 pm

Tgt Ion: 95 Resp: 29965

Ion	Ratio	Lower	Upper
95	100		
97	68.1	55.5	83.3
130	104.0	76.6	115.0

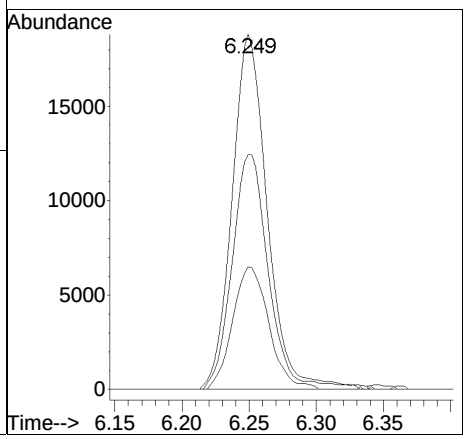


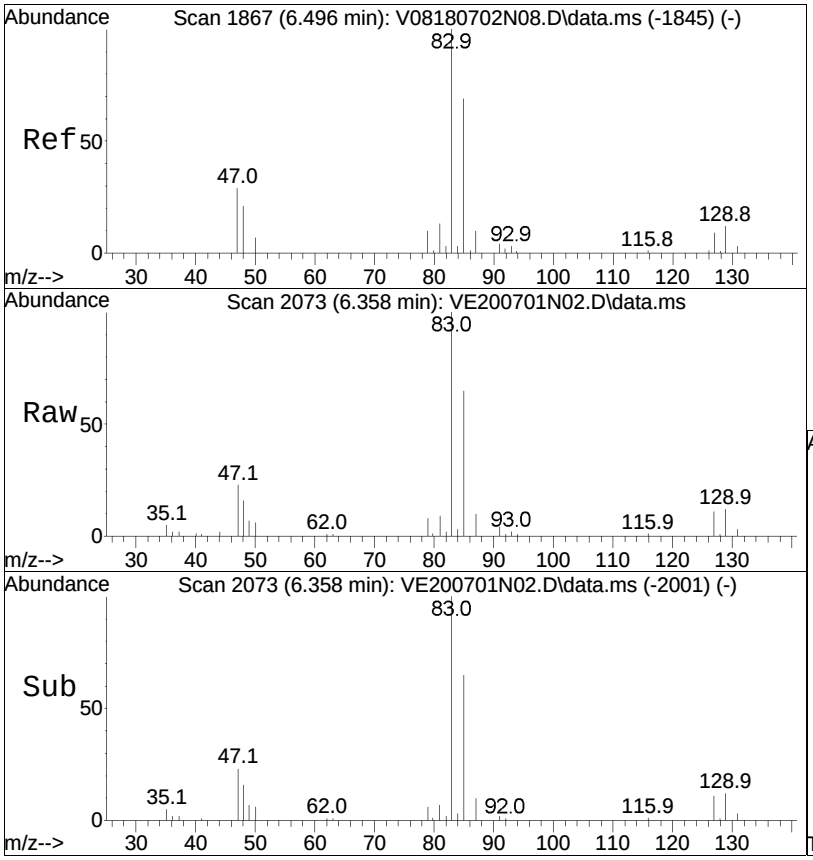


#51
1,2-Dichloropropane
Concen: 11.29 ug/L
RT: 6.249 min Scan# 2034
Delta R.T. -0.003 min
Lab File: VE200701N02.D
Acq: 1 Jul 2020 5:36 pm

Tgt Ion: 63 Resp: 34407

Ion	Ratio	Lower	Upper
63	100		
62	67.2	58.6	87.8
76	35.5	38.0	57.0#

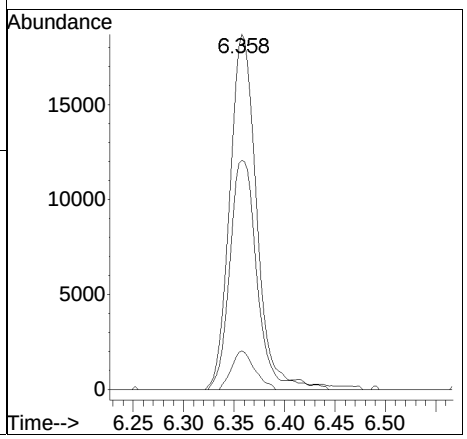


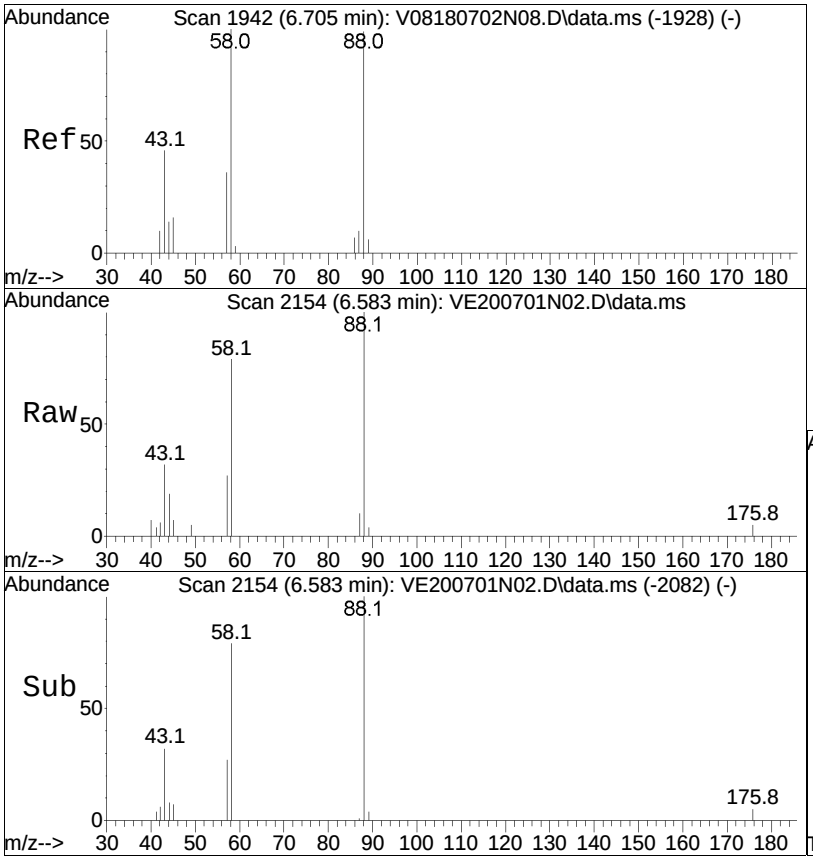


#54
Bromodichloromethane
Concen: 9.72 ug/L M1
RT: 6.358 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VE200701N02.D
Acq: 1 Jul 2020 5:36 pm

Tgt Ion: 83 Resp: 34996

Ion	Ratio	Lower	Upper
83	100		
85	62.7	52.3	78.5
127	9.2	6.2	9.4

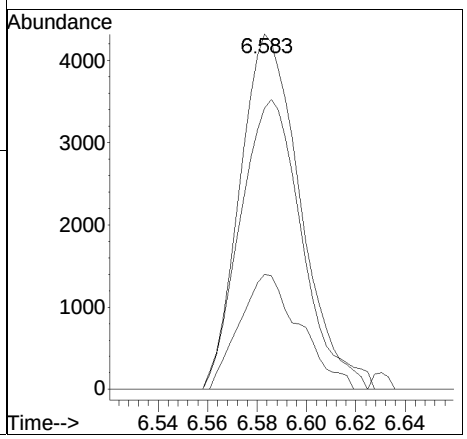


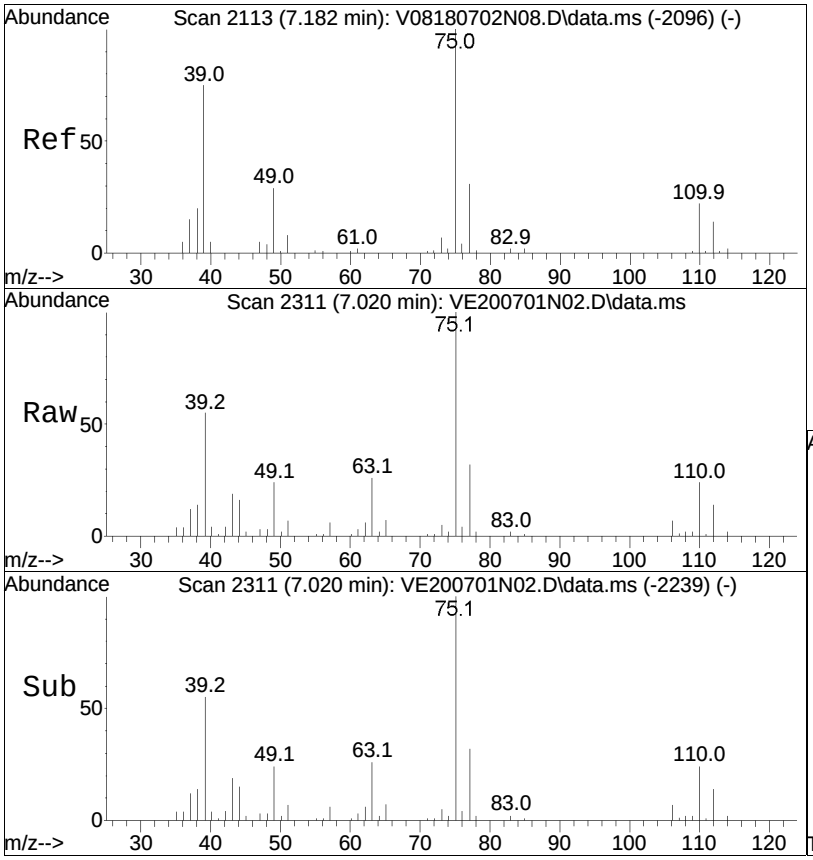


#57
1,4-Dioxane
Concen: 328.36 ug/L
RT: 6.583 min Scan# 2154
Delta R.T. 0.000 min
Lab File: VE200701N02.D
Acq: 1 Jul 2020 5:36 pm

Tgt Ion: 88 Resp: 7294

Ion	Ratio	Lower	Upper
88	100		
58	84.3	76.7	115.1
43	32.7	36.2	54.2#

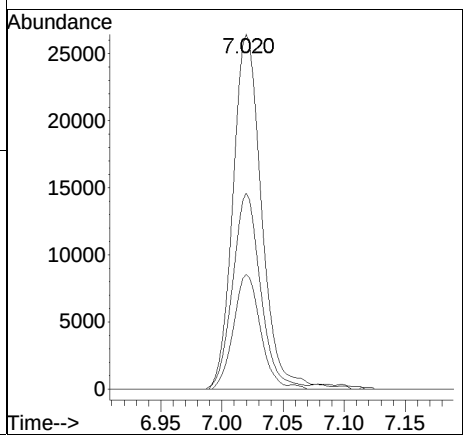


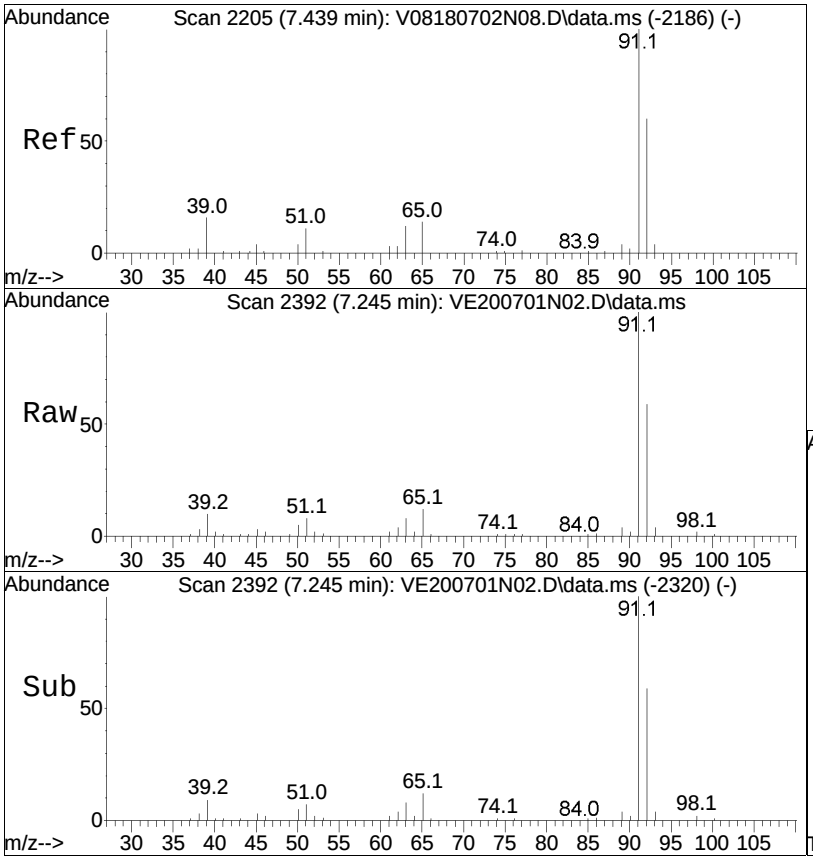


#58
cis-1,3-Dichloropropene
Concen: 9.76 ug/L M1
RT: 7.020 min Scan# 2311
Delta R.T. -0.000 min
Lab File: VE200701N02.D
Acq: 1 Jul 2020 5:36 pm

Tgt Ion: 75 Resp: 43687

Ion	Ratio	Lower	Upper
75	100		
77	30.0	25.0	37.4
39	53.6	50.1	75.1

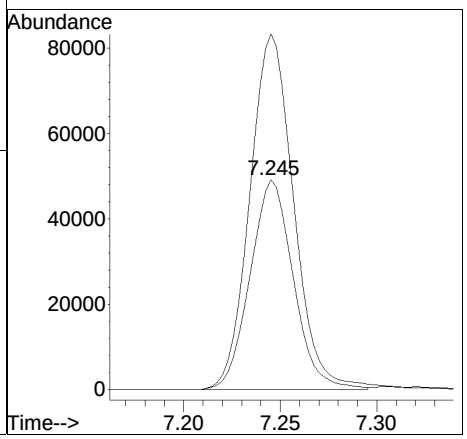


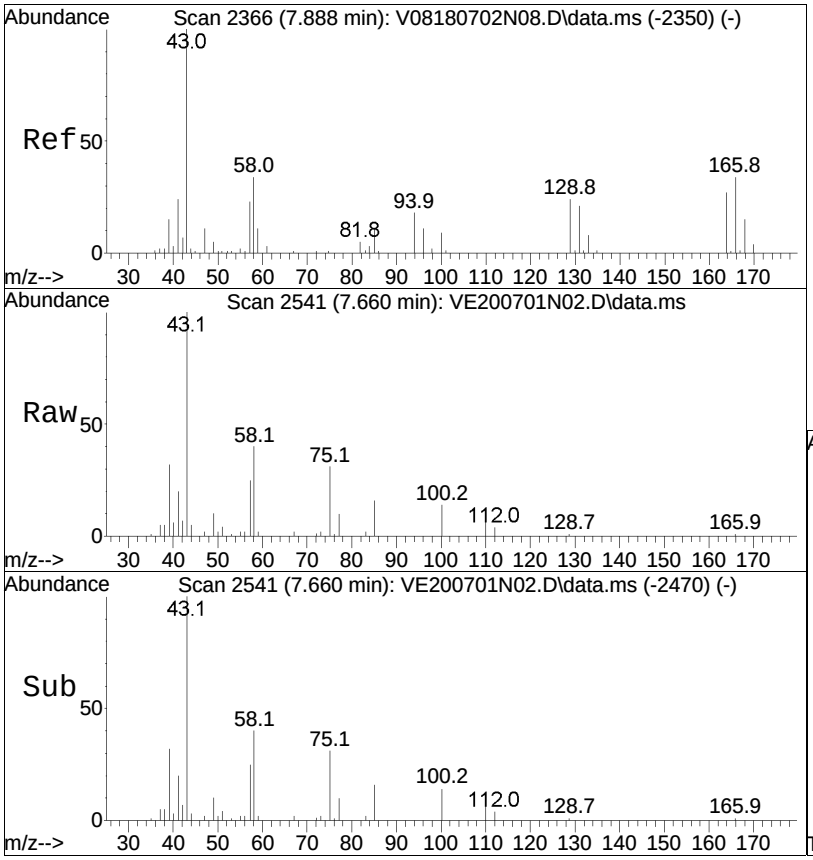


#61
Toluene
Concen: 11.45 ug/L
RT: 7.245 min Scan# 2392
Delta R.T. 0.000 min
Lab File: VE200701N02.D
Acq: 1 Jul 2020 5:36 pm

Tgt Ion: 92 Resp: 76411

Ion	Ratio	Lower	Upper
92	100		
91	172.8	139.8	209.6

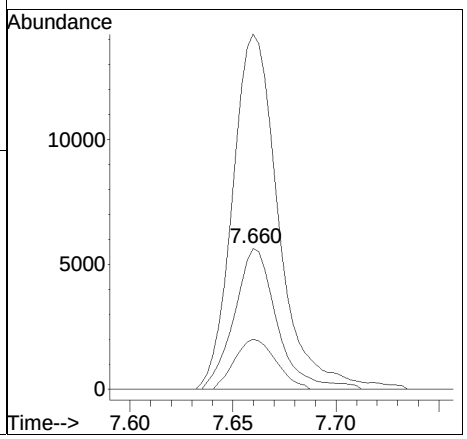


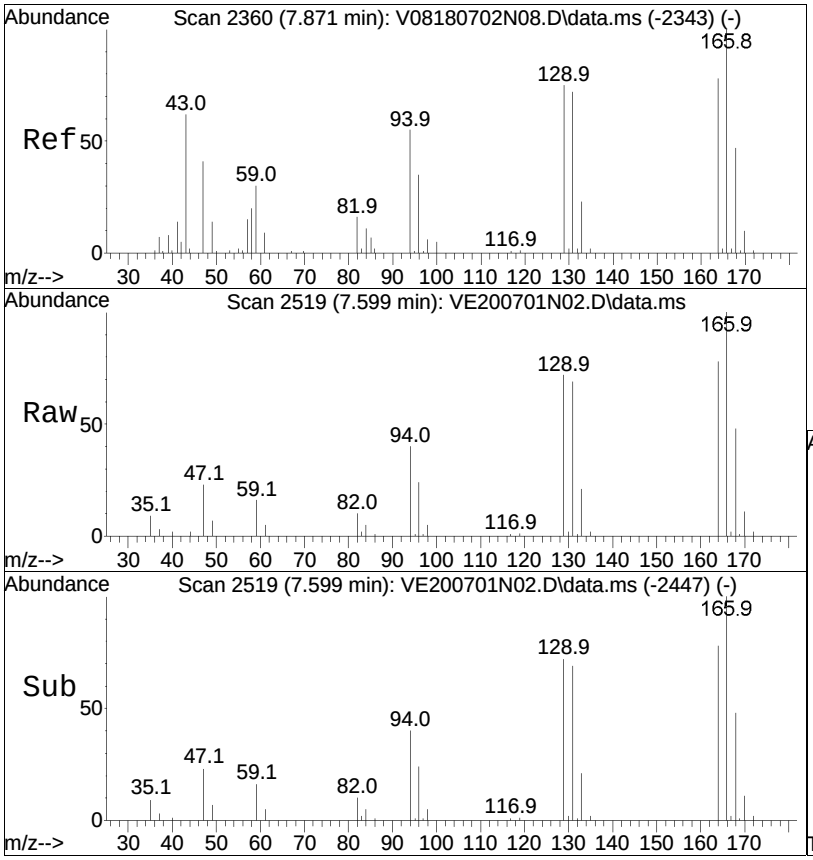


#62
4-Methyl-2-pentanone
Concen: 9.38 ug/L
RT: 7.660 min Scan# 2541
Delta R.T. -0.002 min
Lab File: VE200701N02.D
Acq: 1 Jul 2020 5:36 pm

Tgt Ion: 58 Resp: 8196

Ion	Ratio	Lower	Upper
58	100		
100	34.4	20.2	30.2#
43	271.0	196.6	295.0

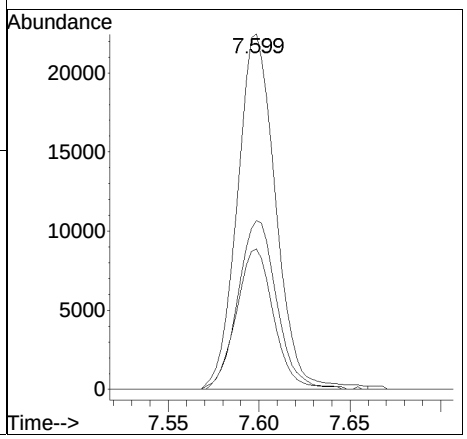


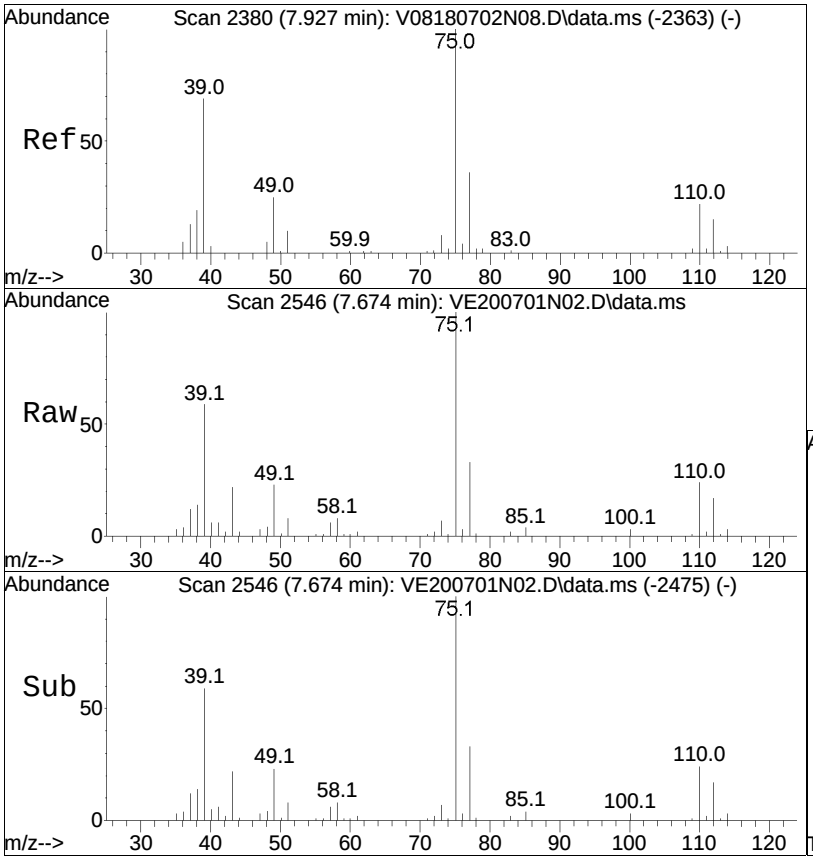


#63
Tetrachloroethene
Concen: 11.69 ug/L
RT: 7.599 min Scan# 2519
Delta R.T. 0.001 min
Lab File: VE200701N02.D
Acq: 1 Jul 2020 5:36 pm

Tgt Ion:166 Resp: 33022

Ion	Ratio	Lower	Upper
166	100		
168	47.9	28.2	68.2
94	38.9	38.4	78.4

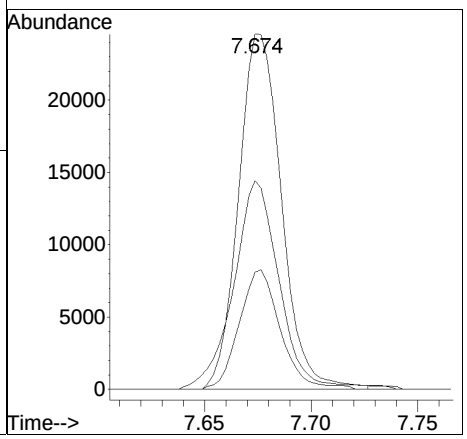


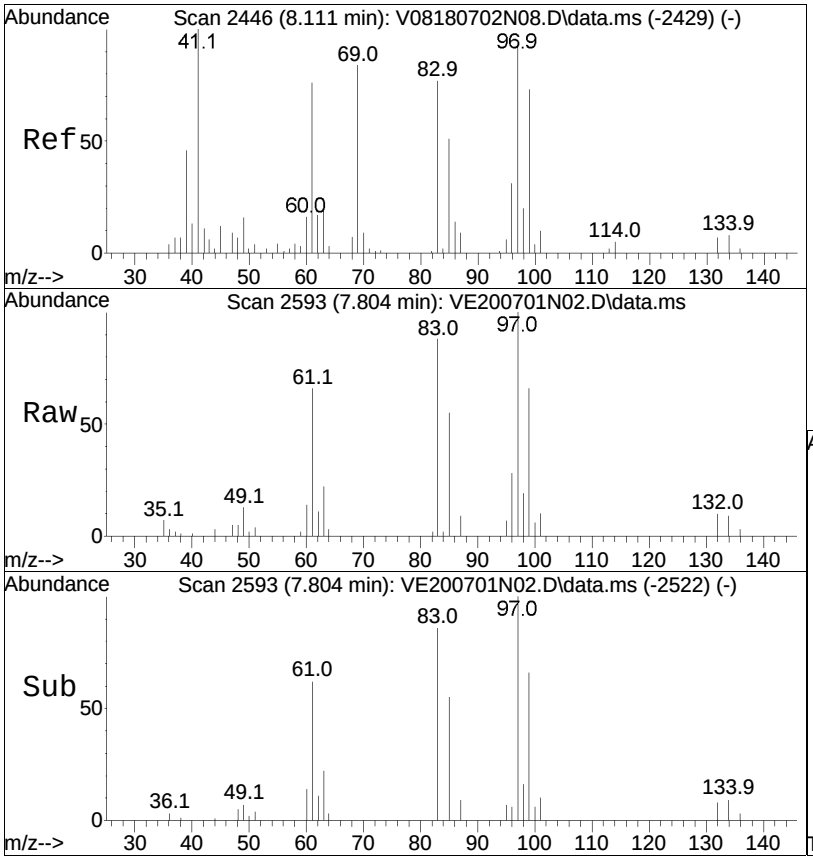


#65
trans-1,3-Dichloropropene
Concen: 9.57 ug/L
RT: 7.674 min Scan# 2546
Delta R.T. -0.002 min
Lab File: VE200701N02.D
Acq: 1 Jul 2020 5:36 pm

Tgt Ion: 75 Resp: 34497

Ion	Ratio	Lower	Upper
75	100		
77	32.2	12.4	52.4
39	62.7	42.8	82.8

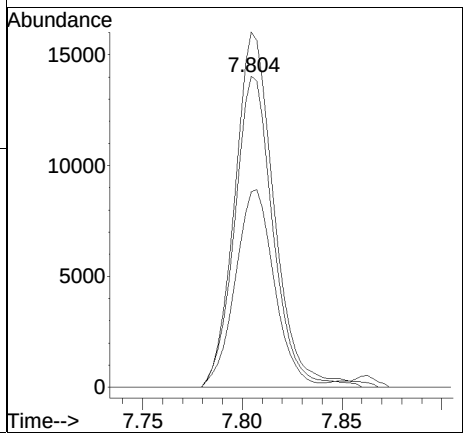


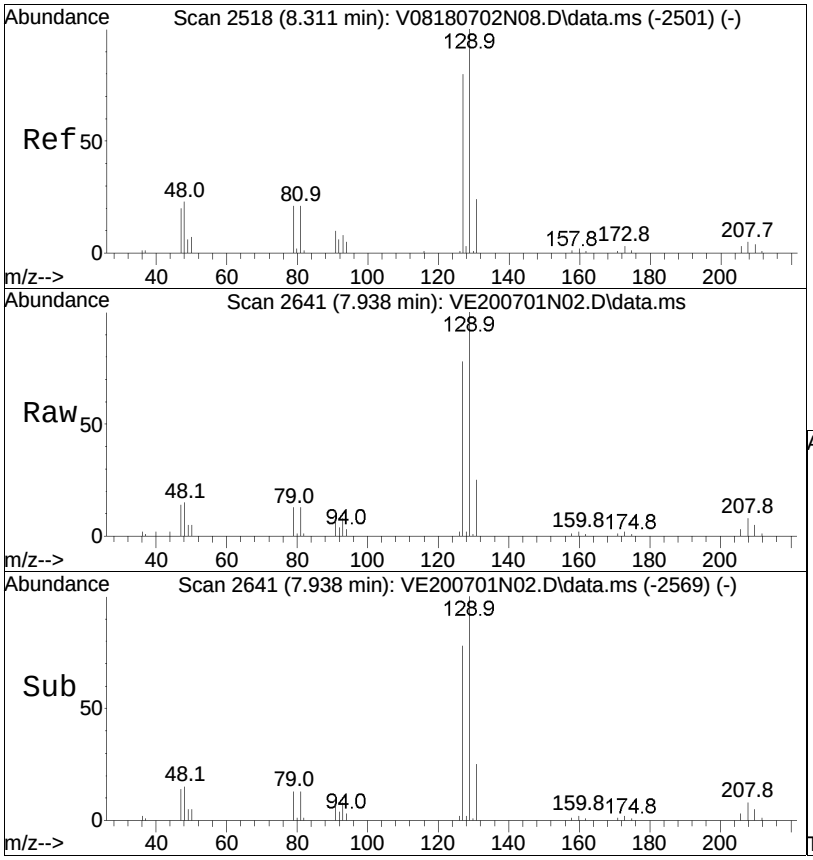


#68
1,1,2-Trichloroethane
Concen: 11.05 ug/L
RT: 7.804 min Scan# 2593
Delta R.T. -0.003 min
Lab File: VE200701N02.D
Acq: 1 Jul 2020 5:36 pm

Tgt Ion: 83 Resp: 18885

Ion	Ratio	Lower	Upper
83	100		
97	117.3	89.8	129.8
85	64.7	44.4	84.4

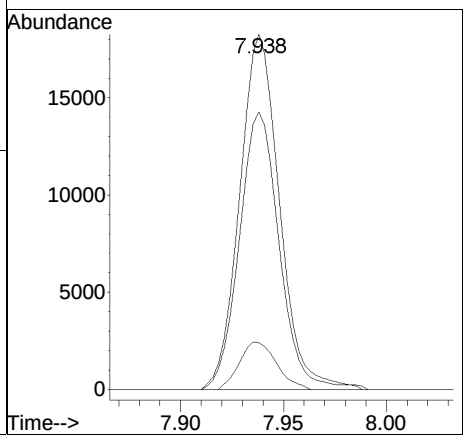


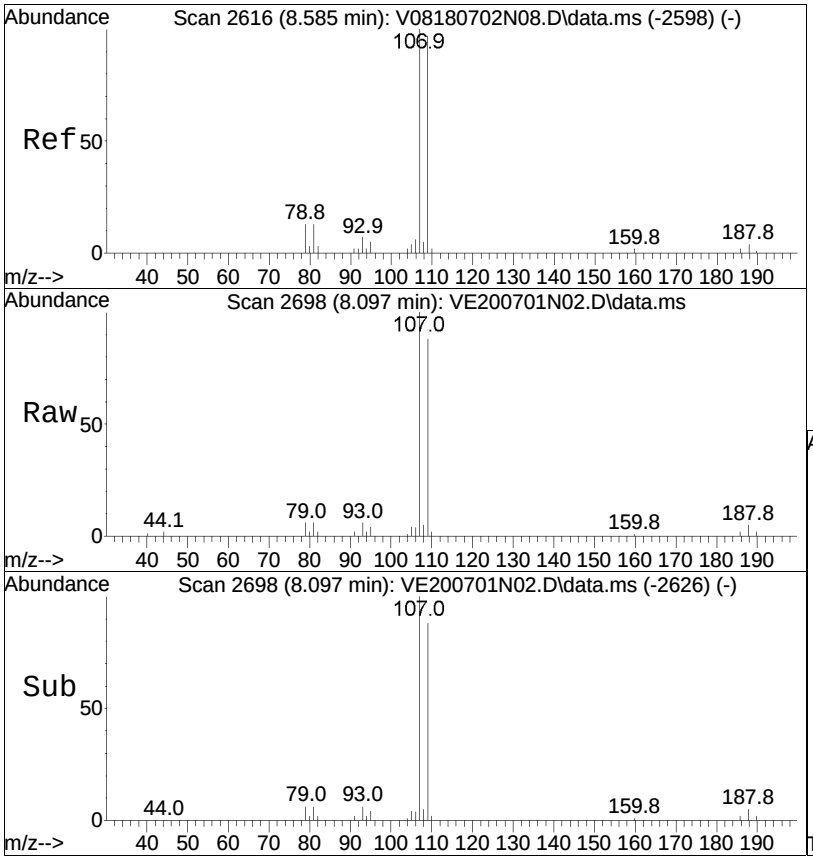


#69
Chlorodibromomethane
Concen: 10.13 ug/L
RT: 7.938 min Scan# 2641
Delta R.T. -0.000 min
Lab File: VE200701N02.D
Acq: 1 Jul 2020 5:36 pm

Tgt Ion:129 Resp: 24593

Ion	Ratio	Lower	Upper
129	100		
81	12.4	2.9	42.9
127	78.1	57.8	97.8

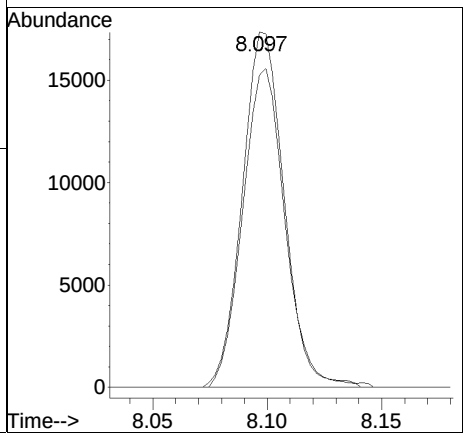


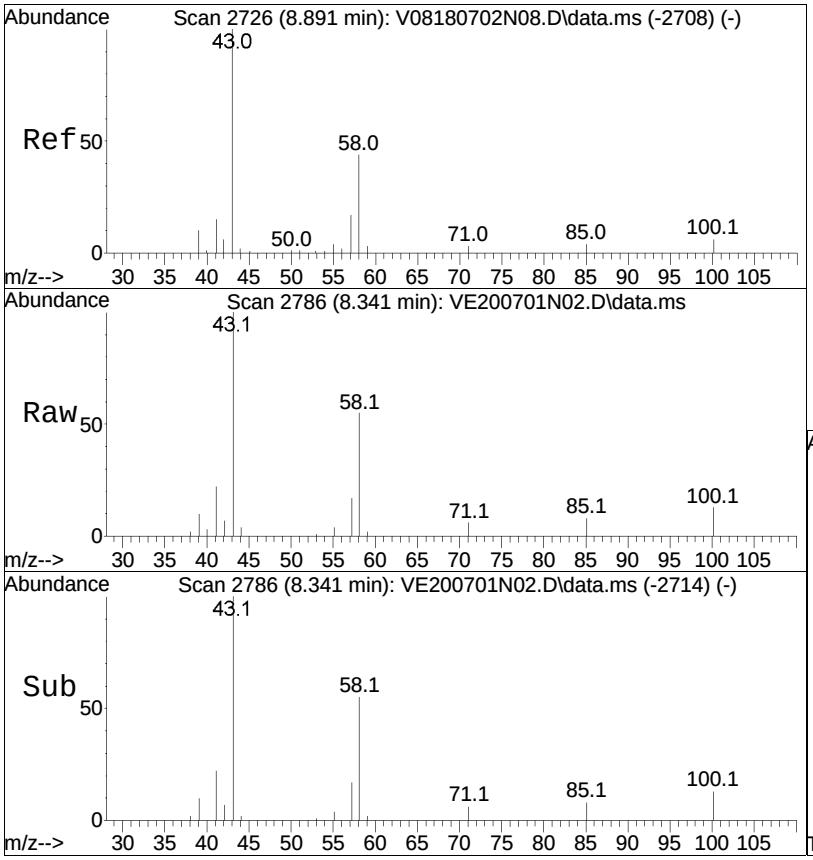


#71
1,2-Dibromoethane
Concen: 10.70 ug/L
RT: 8.097 min Scan# 2698
Delta R.T. 0.001 min
Lab File: VE200701N02.D
Acq: 1 Jul 2020 5:36 pm

Tgt Ion:107 Resp: 22109

Ion	Ratio	Lower	Upper
107	100		
109	90.8	74.3	111.5

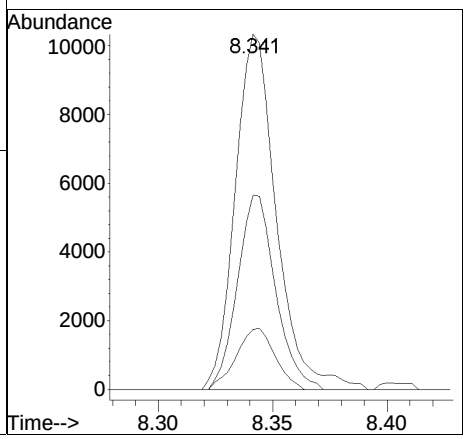


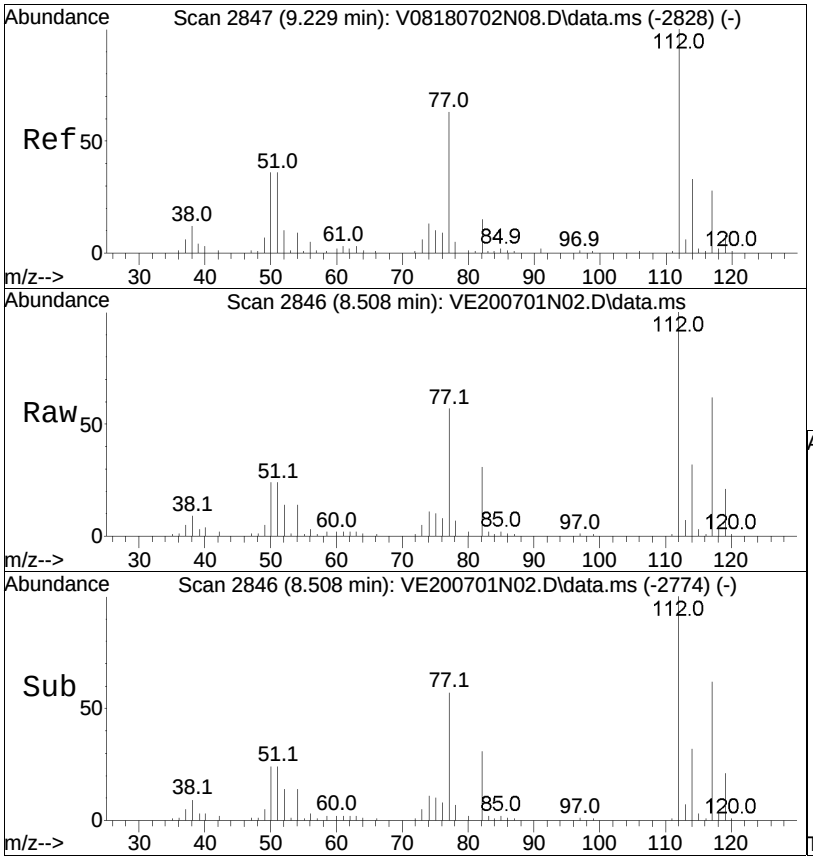


#72
2-Hexanone
Concen: 7.69 ug/L
RT: 8.341 min Scan# 2786
Delta R.T. 0.000 min
Lab File: VE200701N02.D
Acq: 1 Jul 2020 5:36 pm

Tgt Ion: 43 Resp: 12953

Ion	Ratio	Lower	Upper
43	100		
58	50.6	41.2	61.8
57	16.1	17.2	25.8#

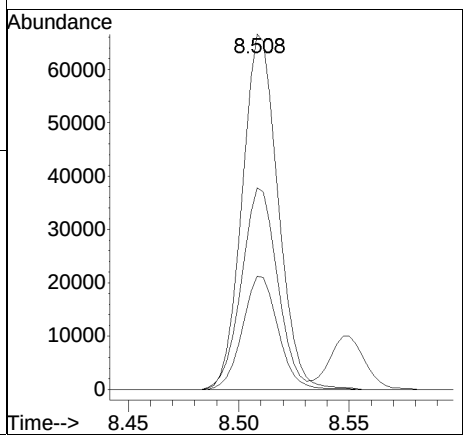


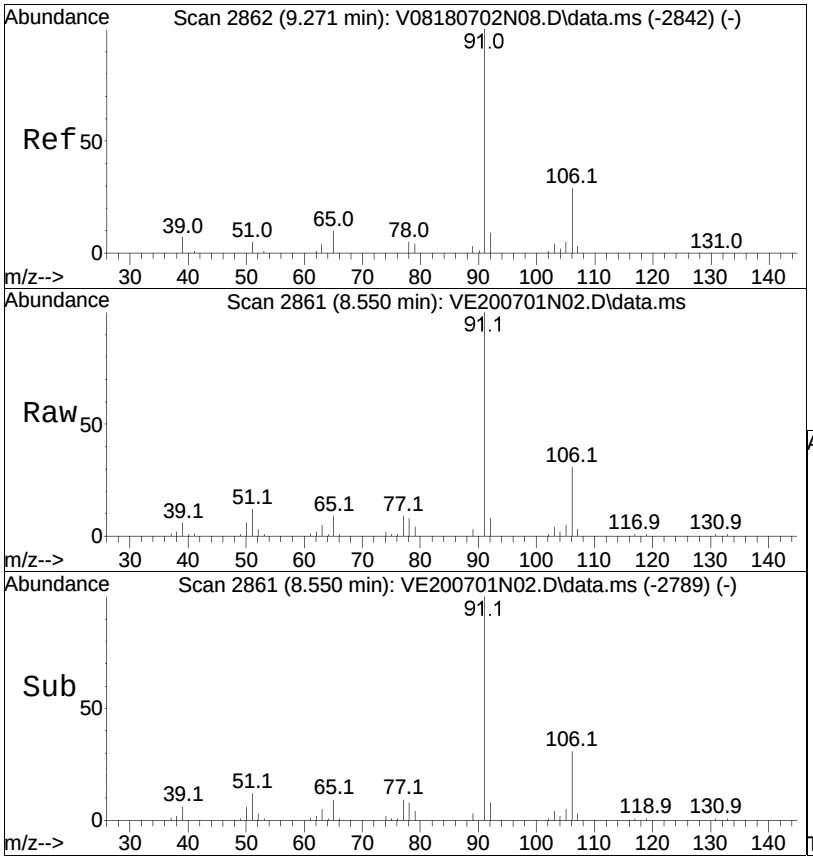


#73
Chlorobenzene
Concen: 10.68 ug/L
RT: 8.508 min Scan# 2846
Delta R.T. 0.000 min
Lab File: VE200701N02.D
Acq: 1 Jul 2020 5:36 pm

Tgt Ion:112 Resp: 75123

Ion	Ratio	Lower	Upper
112	100		
77	57.0	55.4	83.0
114	31.6	25.4	38.2

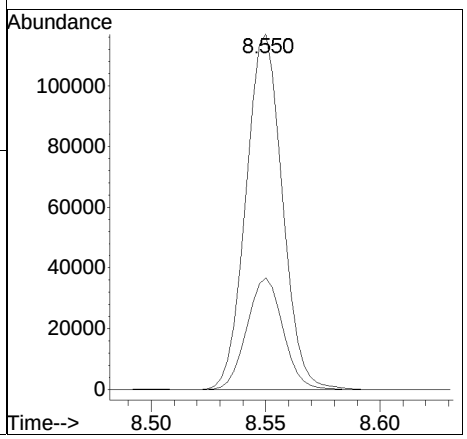


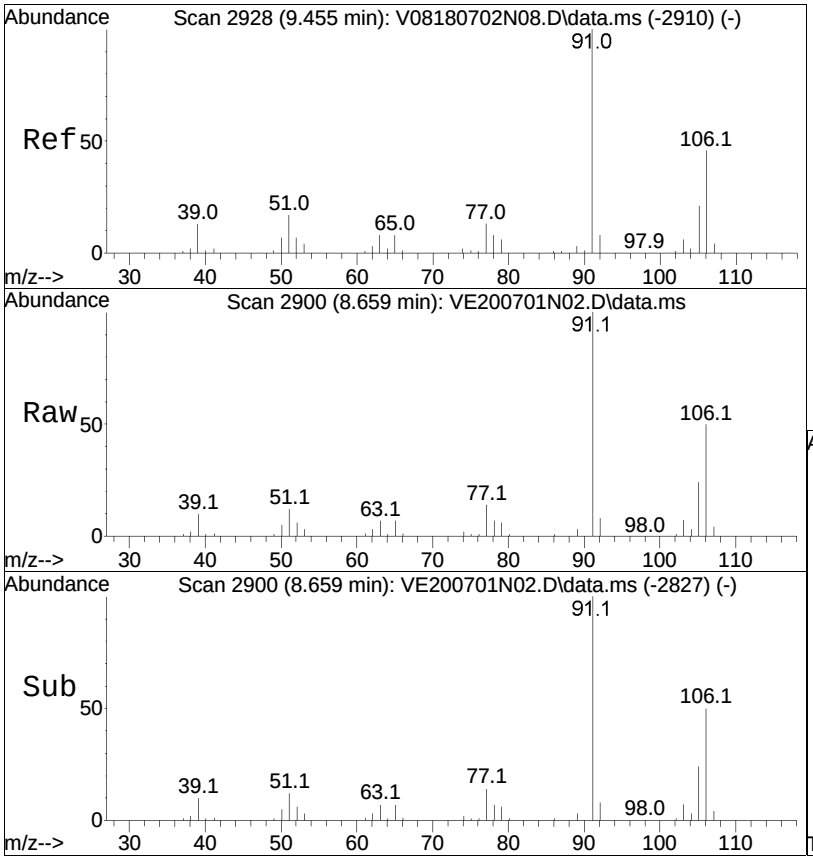


#74
Ethylbenzene
Concen: 10.49 ug/L
RT: 8.550 min Scan# 2861
Delta R.T. 0.000 min
Lab File: VE200701N02.D
Acq: 1 Jul 2020 5:36 pm

Tgt Ion: 91 Resp: 129349

Ion	Ratio	Lower	Upper
91	100		
106	31.0	24.3	36.5

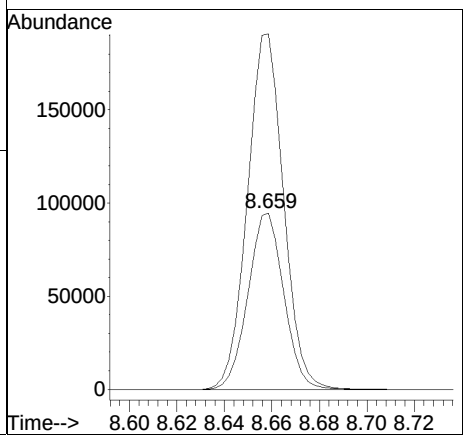


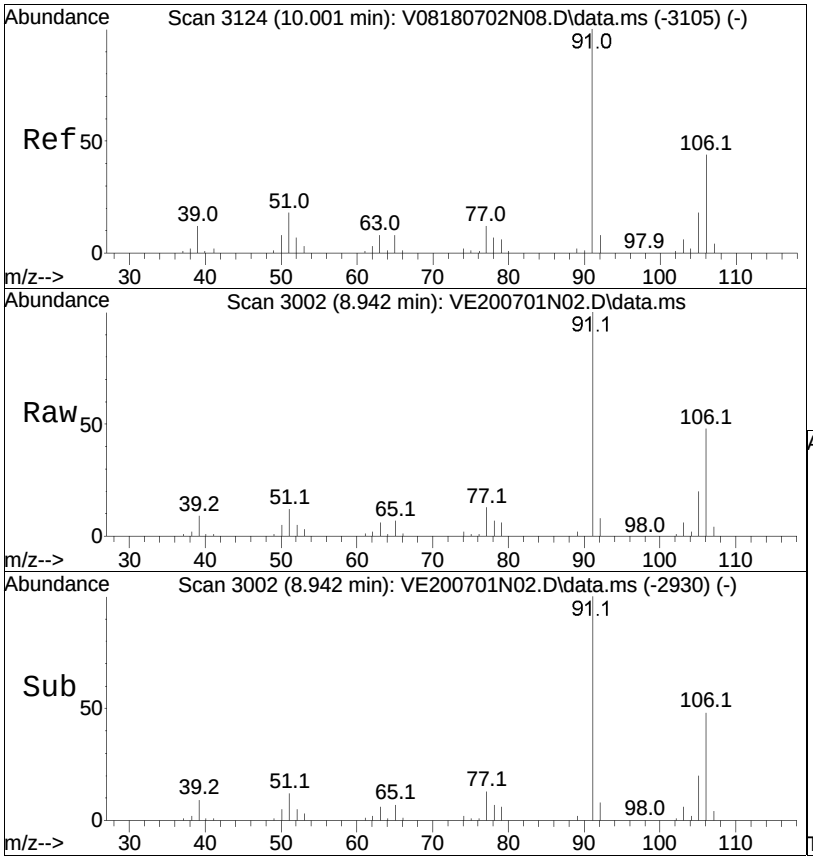


#76
p/m Xylene
Concen: 20.74 ug/L
RT: 8.659 min Scan# 2900
Delta R.T. 0.003 min
Lab File: VE200701N02.D
Acq: 1 Jul 2020 5:36 pm

Tgt Ion:106 Resp: 98862

Ion	Ratio	Lower	Upper
106	100		
91	203.6	166.4	249.6

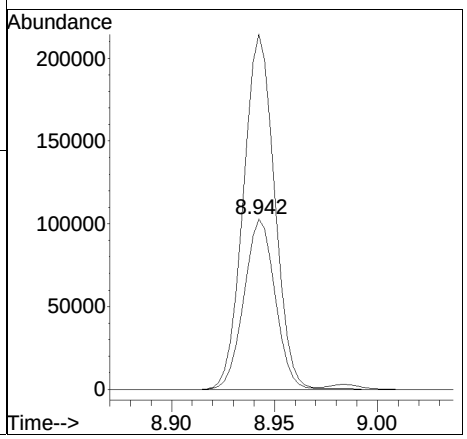


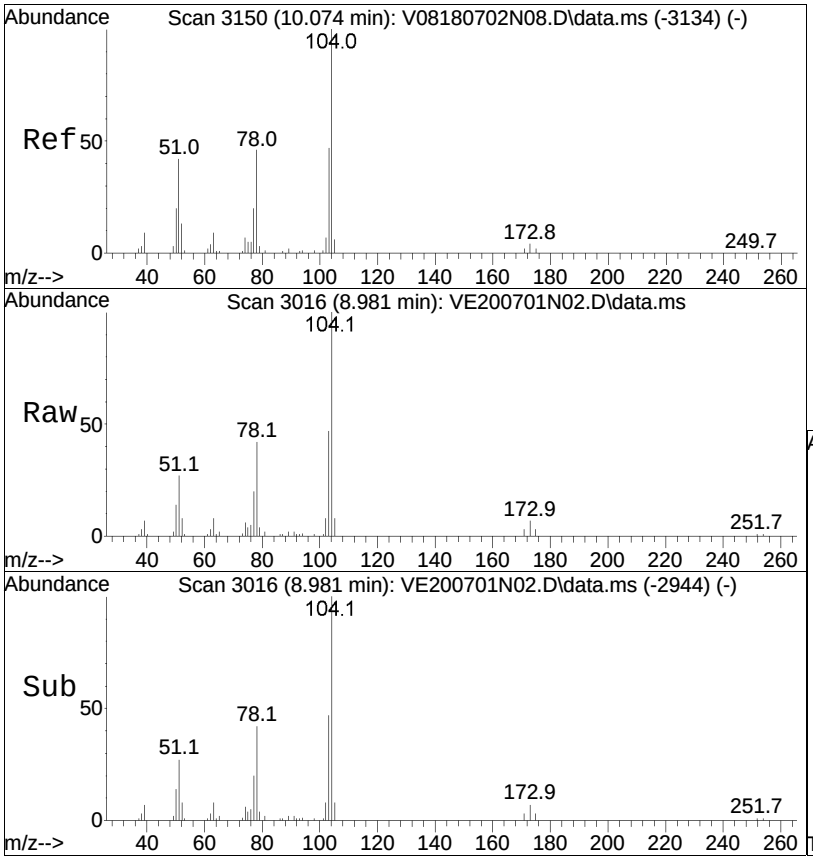


#77
o Xylene
Concen: 23.85 ug/L
RT: 8.942 min Scan# 3002
Delta R.T. 0.000 min
Lab File: VE200701N02.D
Acq: 1 Jul 2020 5:36 pm

Tgt Ion:106 Resp: 108680

Ion	Ratio	Lower	Upper
106	100		
91	207.7	182.6	273.8

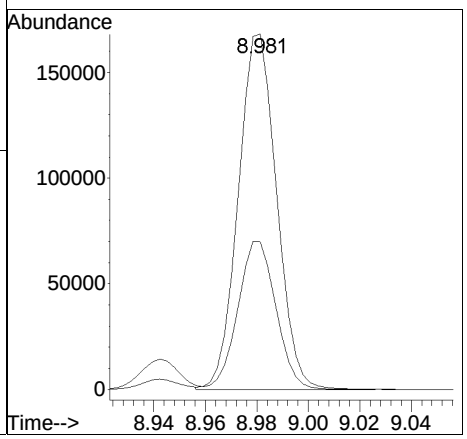


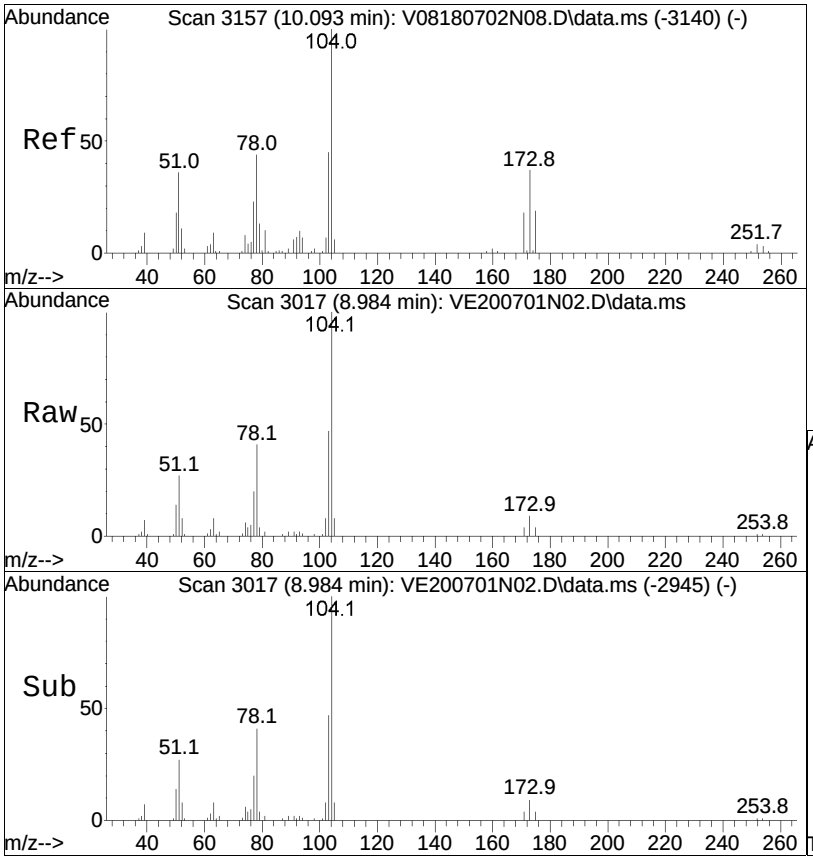


#78
Styrene
Concen: 22.89 ug/L
RT: 8.981 min Scan# 3016
Delta R.T. 0.000 min
Lab File: VE200701N02.D
Acq: 1 Jul 2020 5:36 pm

Tgt Ion:104 Resp: 173814

Ion	Ratio	Lower	Upper
104	100		
78	41.2	39.8	59.6

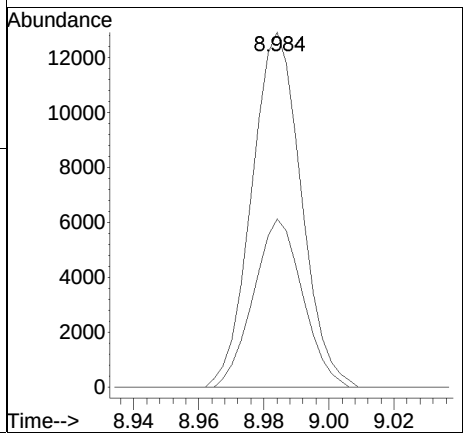


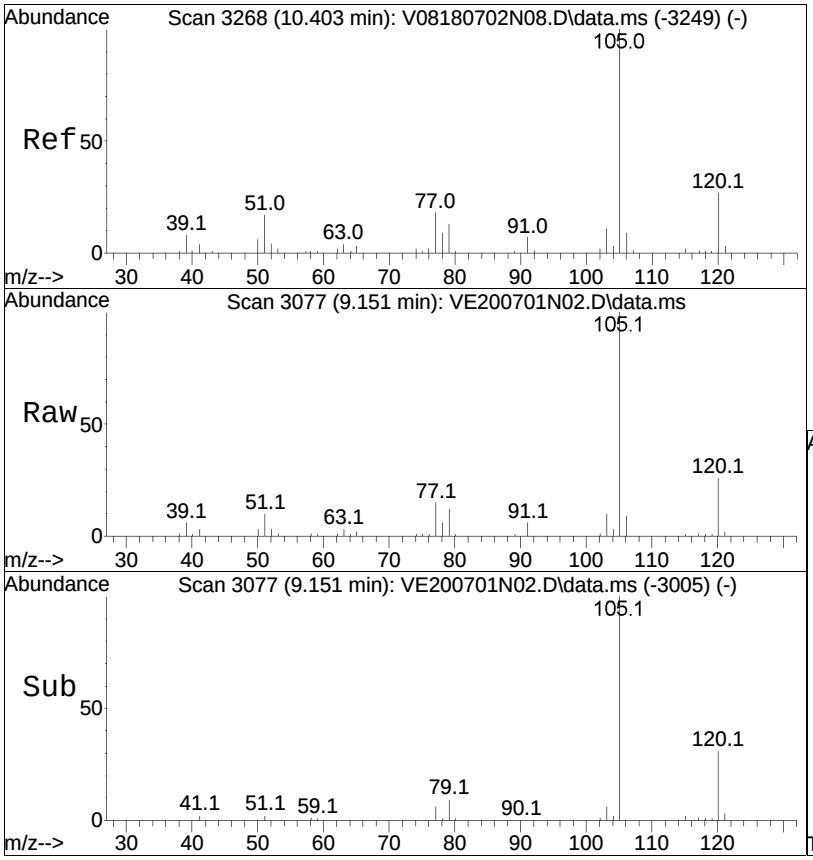


#80
Bromoform
Concen: 8.25 ug/L
RT: 8.984 min Scan# 3017
Delta R.T. 0.000 min
Lab File: VE200701N02.D
Acq: 1 Jul 2020 5:36 pm

Tgt Ion:173 Resp: 13670

Ion	Ratio	Lower	Upper
173	100		
175	47.2	31.5	71.5

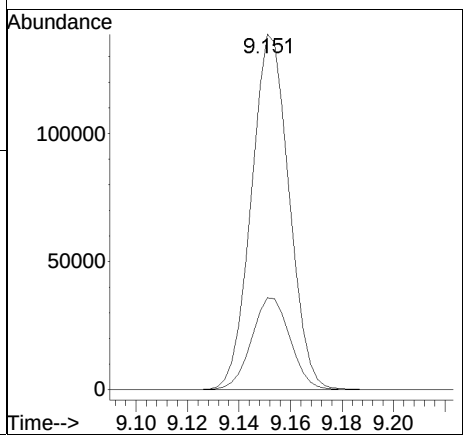


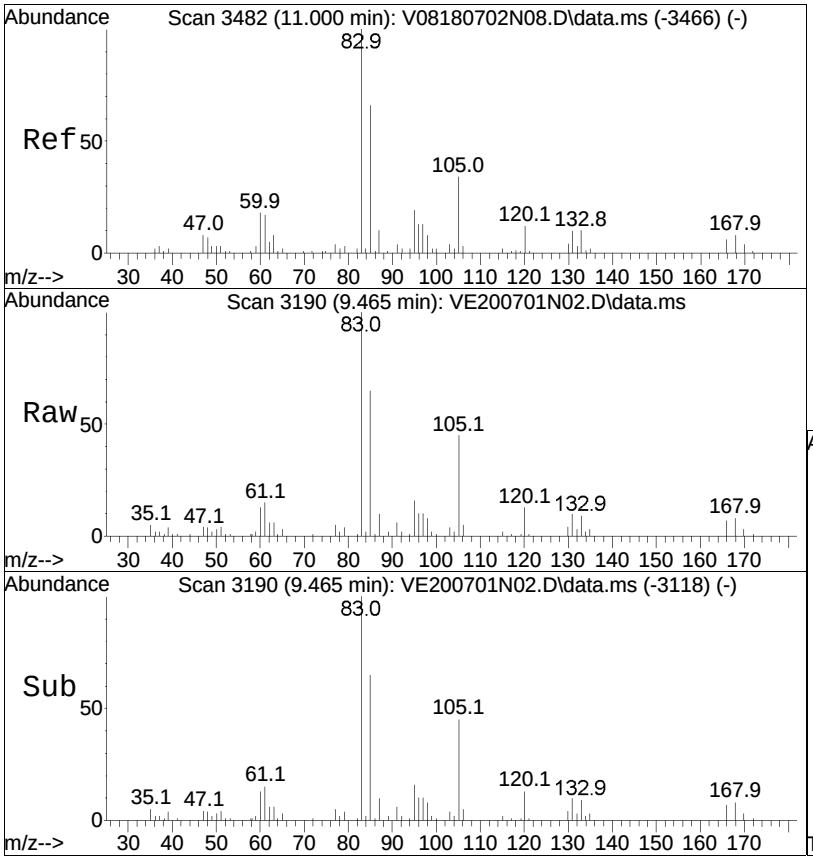


#82
Isopropylbenzene
Concen: 10.37 ug/L
RT: 9.151 min Scan# 3077
Delta R.T. 0.000 min
Lab File: VE200701N02.D
Acq: 1 Jul 2020 5:36 pm

Tgt Ion:105 Resp: 140772

Ion	Ratio	Lower	Upper
105	100		
120	26.3	4.8	44.8

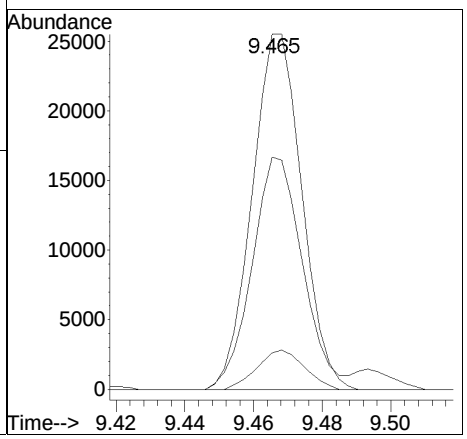


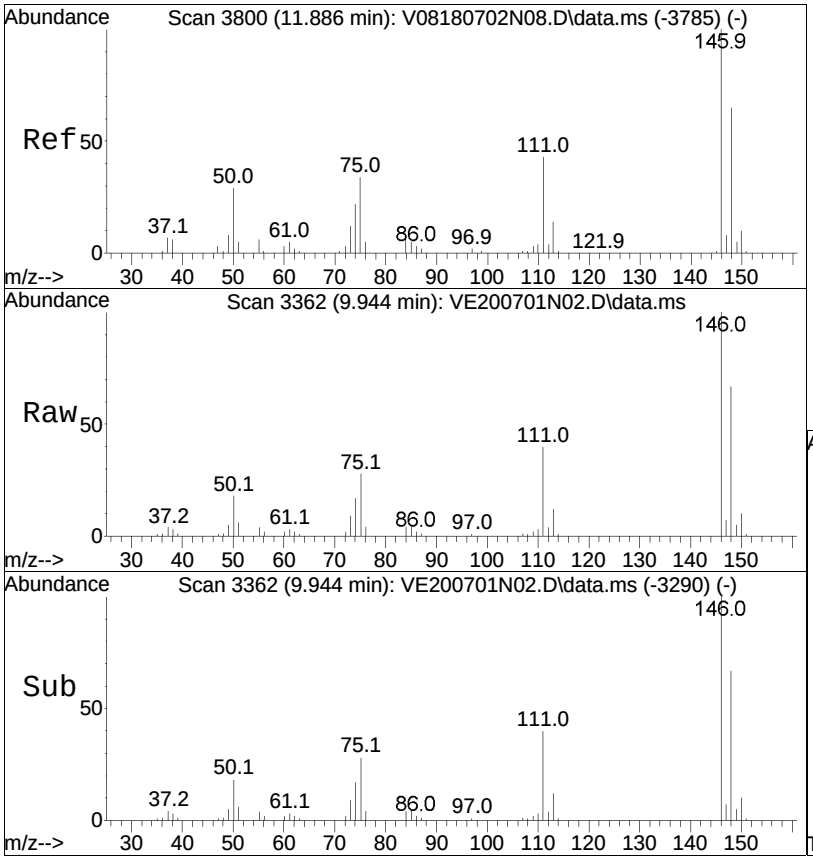


#87
1,1,2,2-Tetrachloroethane
Concen: 9.30 ug/L
RT: 9.465 min Scan# 3190
Delta R.T. 0.000 min
Lab File: VE200701N02.D
Acq: 1 Jul 2020 5:36 pm

Tgt Ion: 83 Resp: 25653

Ion	Ratio	Lower	Upper
83	100		
131	10.6	0.0	30.4
85	66.7	45.4	85.4

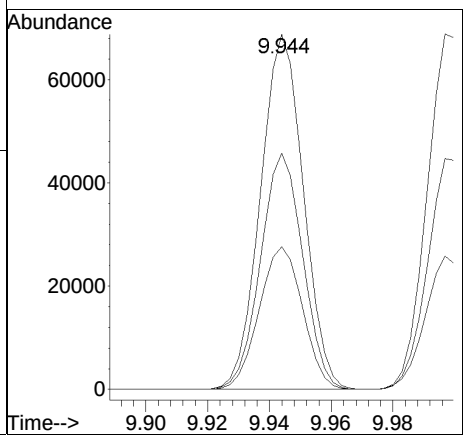


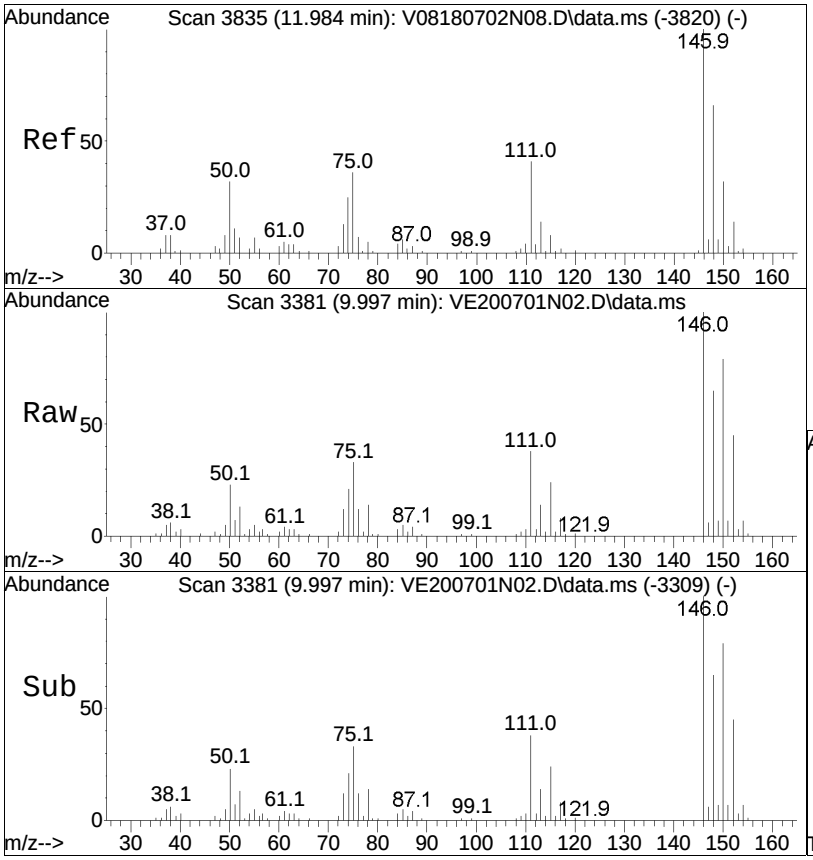


#100
1,3-Dichlorobenzene
Concen: 10.82 ug/L
RT: 9.944 min Scan# 3362
Delta R.T. -0.000 min
Lab File: VE200701N02.D
Acq: 1 Jul 2020 5:36 pm

Tgt Ion:146 Resp: 66526

Ion	Ratio	Lower	Upper
146	100		
111	40.6	27.5	57.1
148	65.5	41.9	86.9

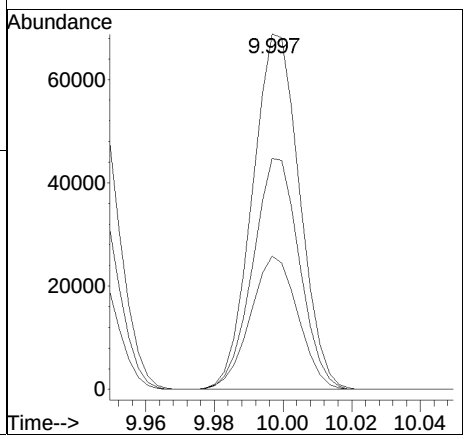


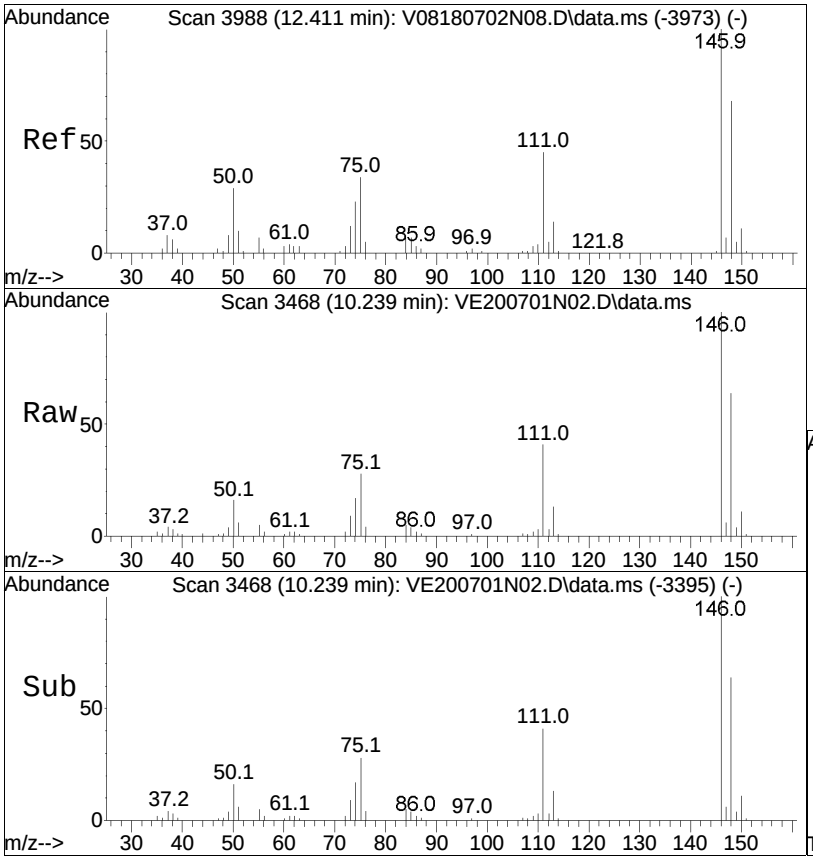


#101
1,4-Dichlorobenzene
Concen: 10.60 ug/L
RT: 9.997 min Scan# 3381
Delta R.T. -0.000 min
Lab File: VE200701N02.D
Acq: 1 Jul 2020 5:36 pm

Tgt Ion:146 Resp: 65899

Ion	Ratio	Lower	Upper
146	100		
111	37.8	32.3	48.5
148	64.1	49.9	74.9

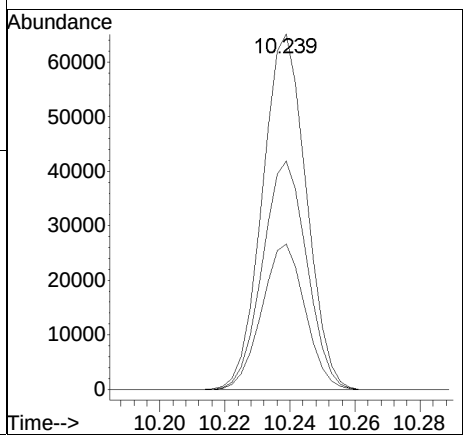


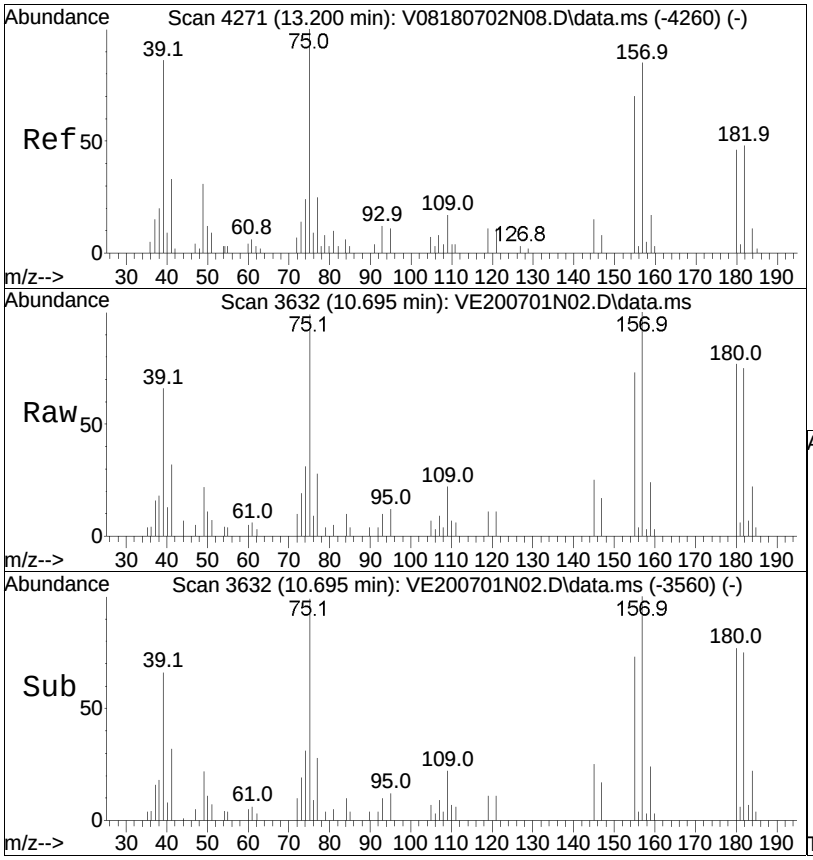


#104
1,2-Dichlorobenzene
Concen: 10.32 ug/L
RT: 10.239 min Scan# 3468
Delta R.T. 0.003 min
Lab File: VE200701N02.D
Acq: 1 Jul 2020 5:36 pm

Tgt Ion:146 Resp: 61131

Ion	Ratio	Lower	Upper
146	100		
111	40.4	28.3	58.7
148	64.9	42.3	87.8

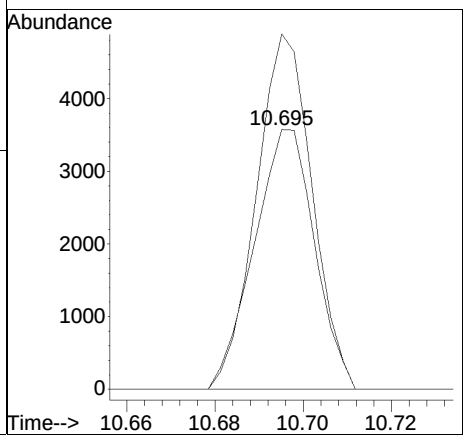


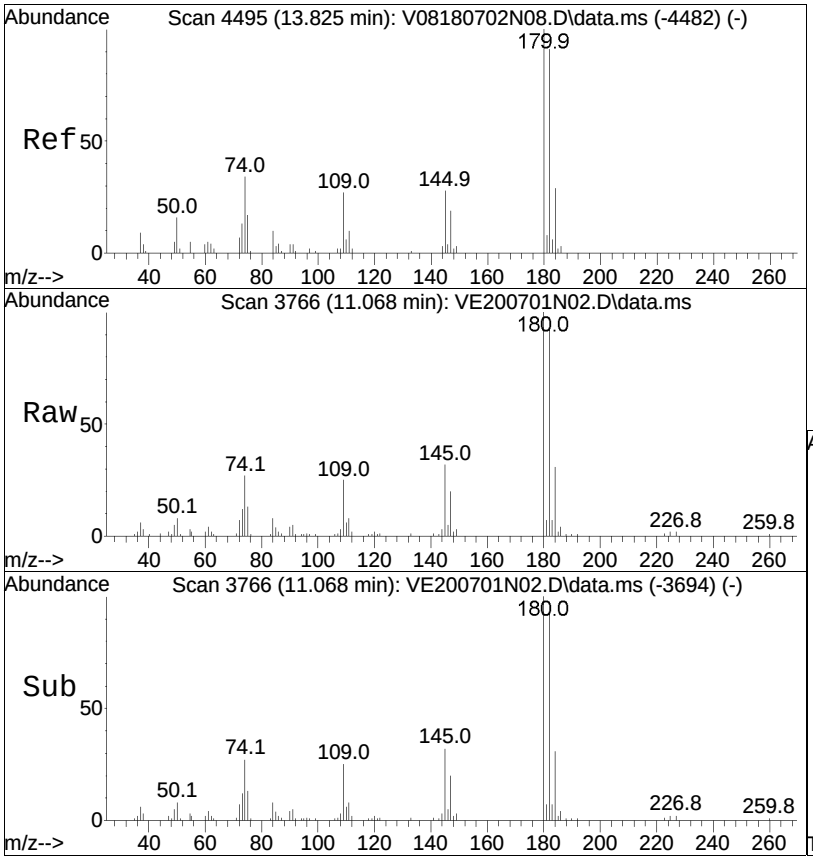


#106
1,2-Dibromo-3-chloropropane
Concen: 7.62 ug/L
RT: 10.695 min Scan# 3632
Delta R.T. 0.000 min
Lab File: VE200701N02.D
Acq: 1 Jul 2020 5:36 pm

Tgt Ion:155 Resp: 3403

Ion	Ratio	Lower	Upper
155	100		
157	126.3	94.8	142.2

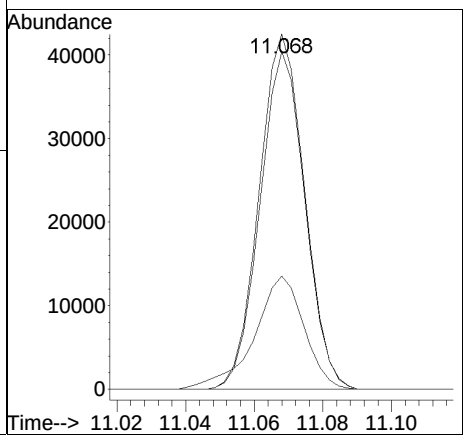


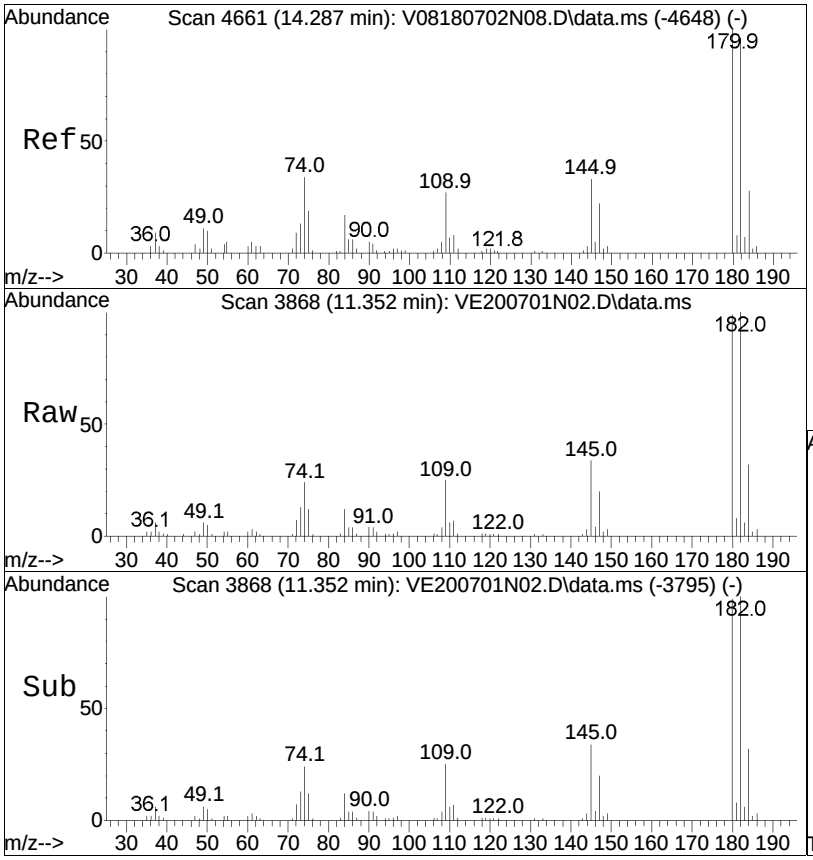


#109
1,2,4-Trichlorobenzene
Concen: 9.71 ug/L
RT: 11.068 min Scan# 3766
Delta R.T. -0.000 min
Lab File: VE200701N02.D
Acq: 1 Jul 2020 5:36 pm

Tgt Ion:180 Resp: 39068

Ion	Ratio	Lower	Upper
180	100		
182	94.2	77.3	115.9
145	35.1	28.1	42.1

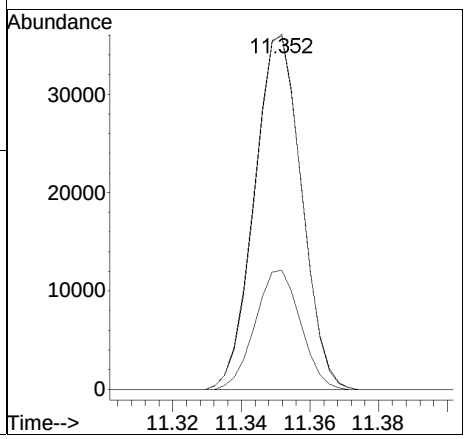




#111
1,2,3-Trichlorobenzene
Concen: 9.41 ug/L
RT: 11.352 min Scan# 3868
Delta R.T. 0.003 min
Lab File: VE200701N02.D
Acq: 1 Jul 2020 5:36 pm

Tgt Ion:180 Resp: 34451

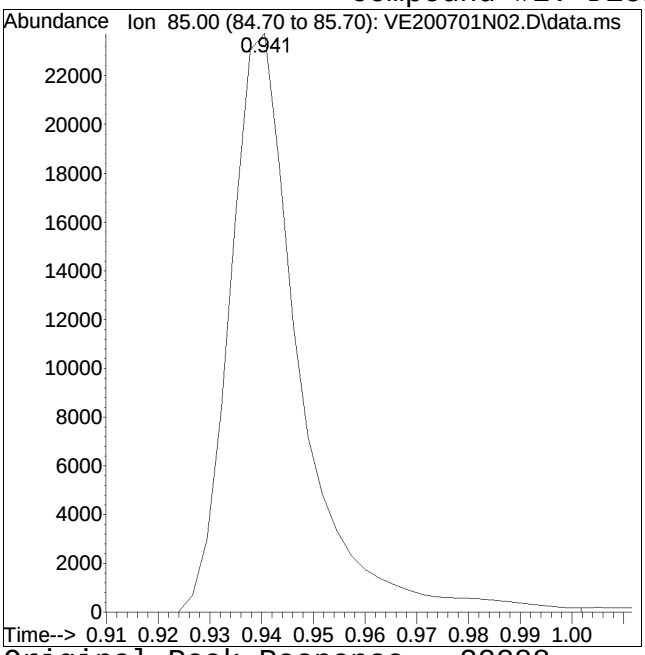
Ion	Ratio	Lower	Upper
180	100		
182	99.5	76.4	114.6
145	32.3	26.4	39.6



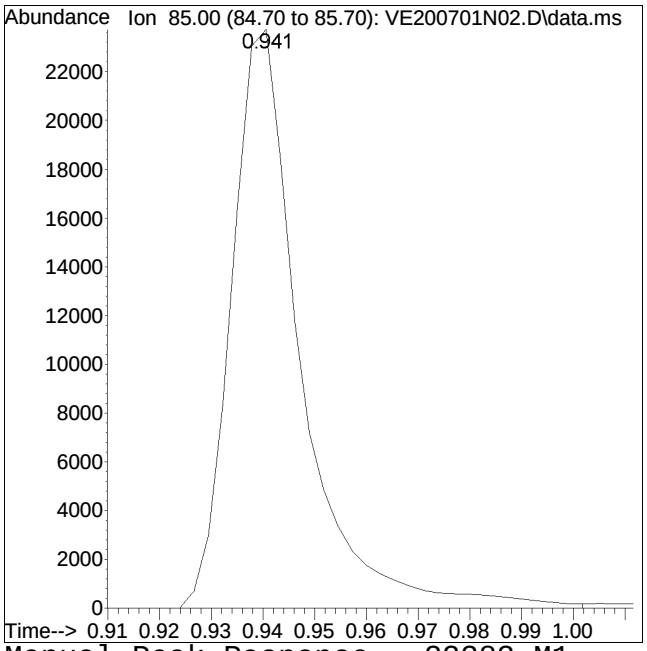
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200602N_8260.m
Data File : VE200701N02.D Operator : ELAINE:TMS
Date Inj'd : 7/1/2020 5:36 pm Instrument : Elaine
Sample : WG1388497-4,31,10,10 Quant Date : 7/1/2020 6:01 pm

Compound #2: Dichlorodifluoromethane



Original Peak Response = 22288



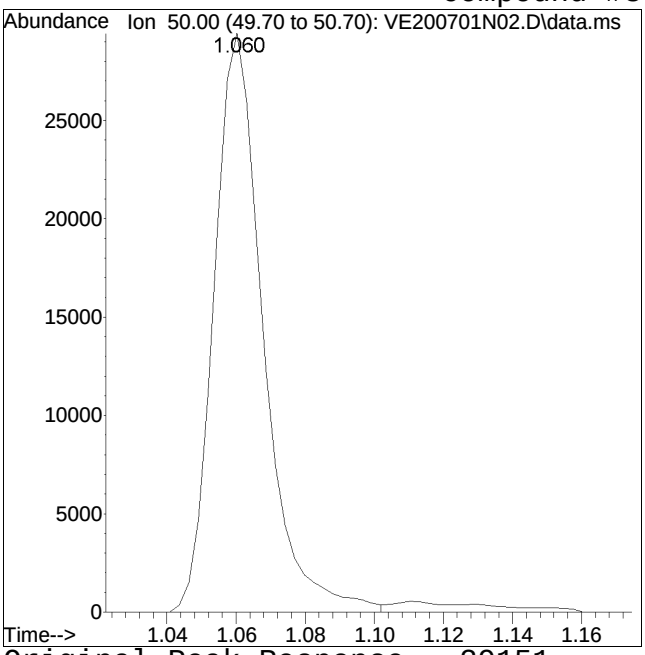
Manual Peak Response = 22283 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

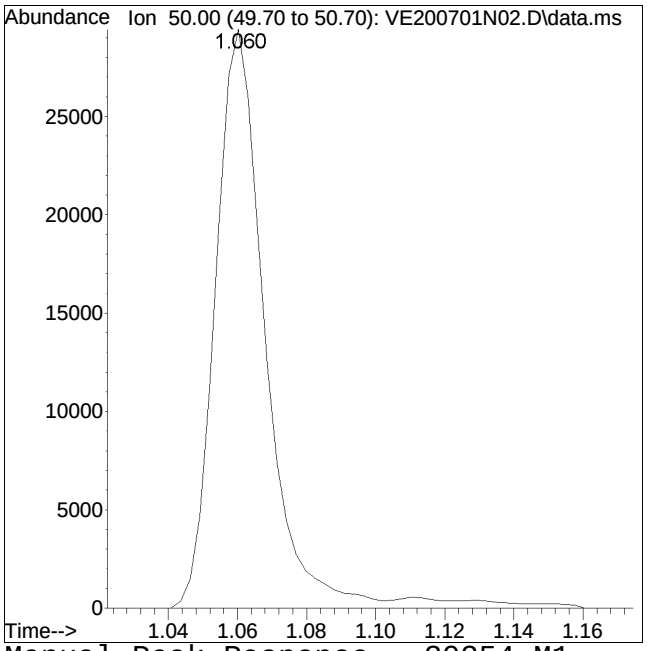
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200602N_8260.m
Data File : VE200701N02.D Operator : ELAINE:TMS
Date Inj'd : 7/1/2020 5:36 pm Instrument : Elaine
Sample : WG1388497-4,31,10,10 Quant Date : 7/1/2020 6:01 pm

Compound #3: Chloromethane



Original Peak Response = 29151



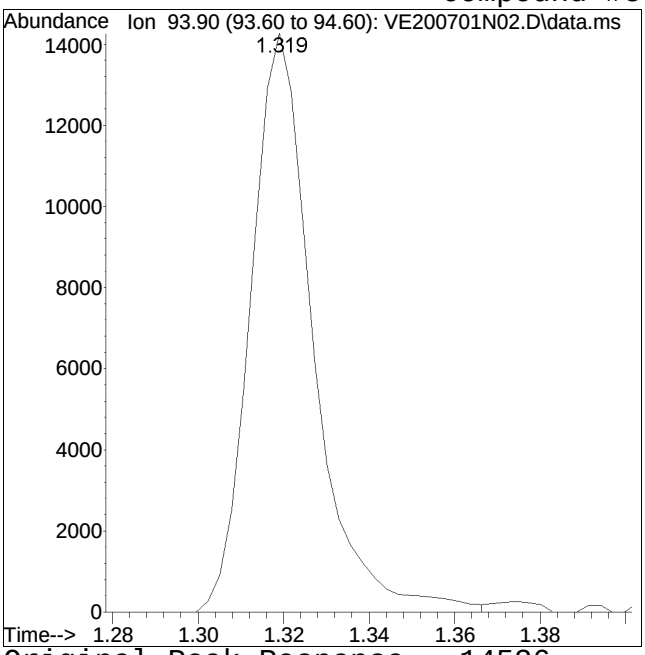
Manual Peak Response = 30254 M1

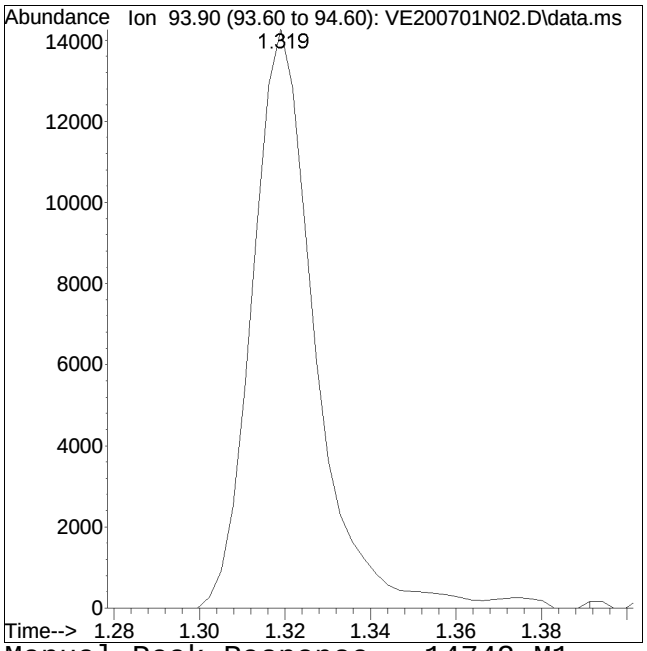
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200602N_8260.m
Data File : VE200701N02.D Operator : ELAINE:TMS
Date Inj'd : 7/1/2020 5:36 pm Instrument : Elaine
Sample : WG1388497-4,31,10,10 Quant Date : 7/1/2020 6:01 pm

Compound #5: Bromomethane





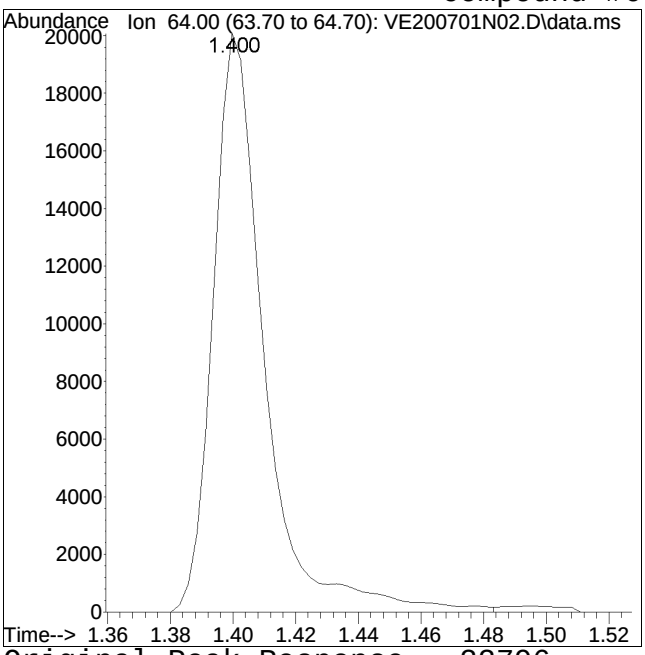
Original Peak Response = 14526 Manual Peak Response = 14742 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

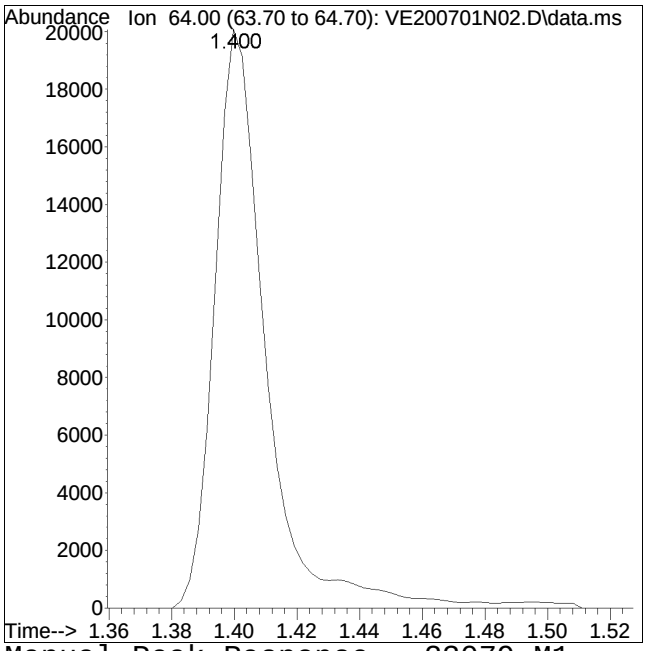
Data Path : I:\VOLATILES\Elaine\2020\2Q
Data File : VE200701N02.D
Date Inj'd : 7/1/2020 5:36 pm
Sample : WG1388497-4,31,10,10

Method : Elaine_200602N_8260.m
Operator : ELAINE:TMS
Instrument : Elaine
Quant Date : 7/1/2020 6:01 pm

Compound #6: Chloroethane



Original Peak Response = 22796



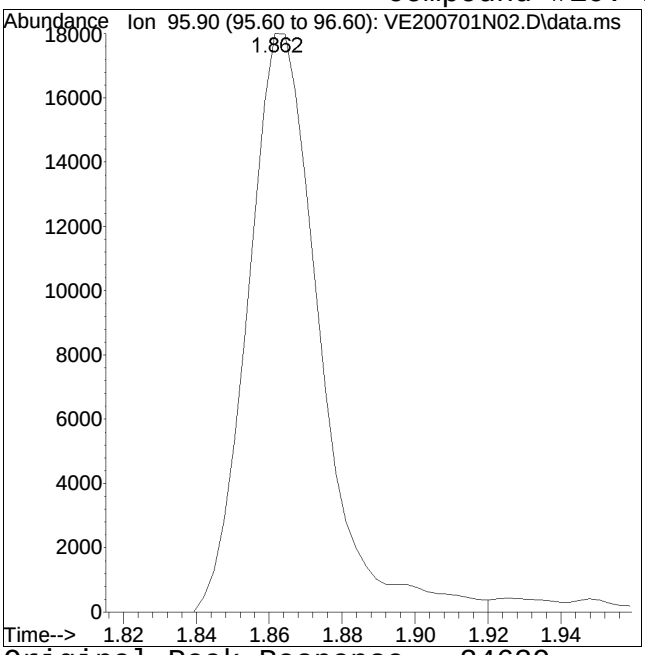
Manual Peak Response = 23079 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

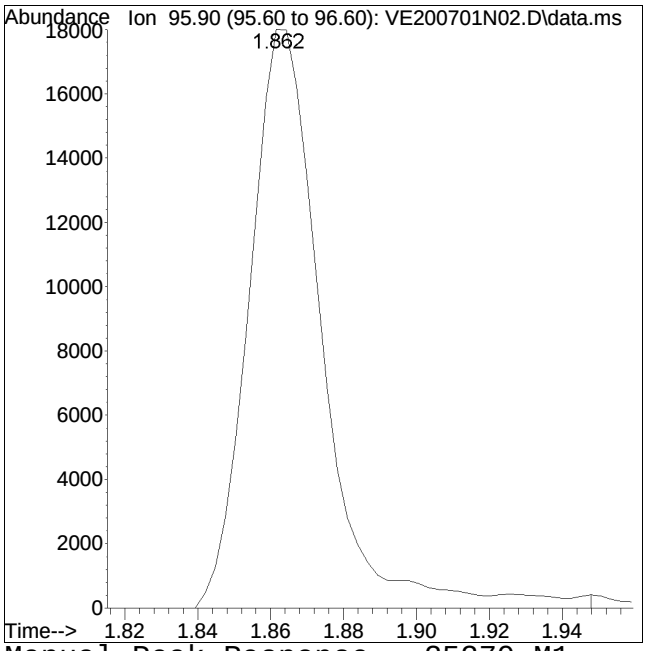
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200602N_8260.m
Data File : VE200701N02.D Operator : ELAINE:TMS
Date Inj'd : 7/1/2020 5:36 pm Instrument : Elaine
Sample : WG1388497-4,31,10,10 Quant Date : 7/1/2020 6:01 pm

Compound #10: 1,1-Dichloroethene



Original Peak Response = 24639



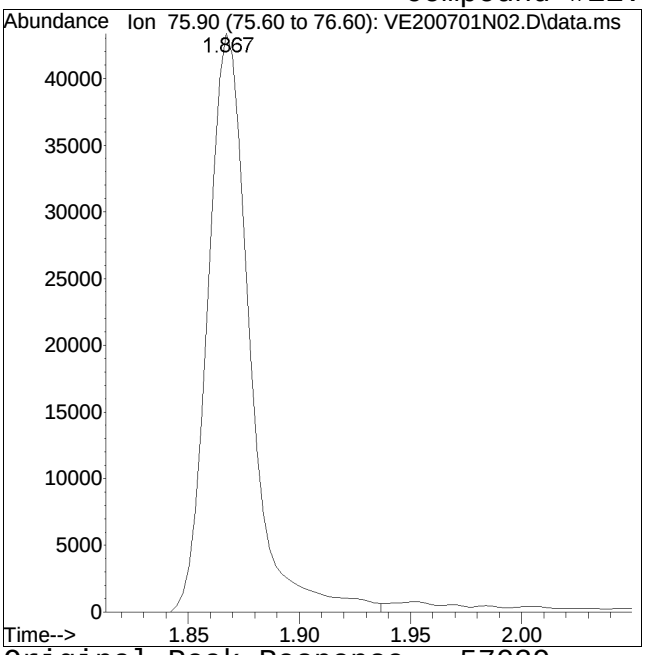
Manual Peak Response = 25270 M1

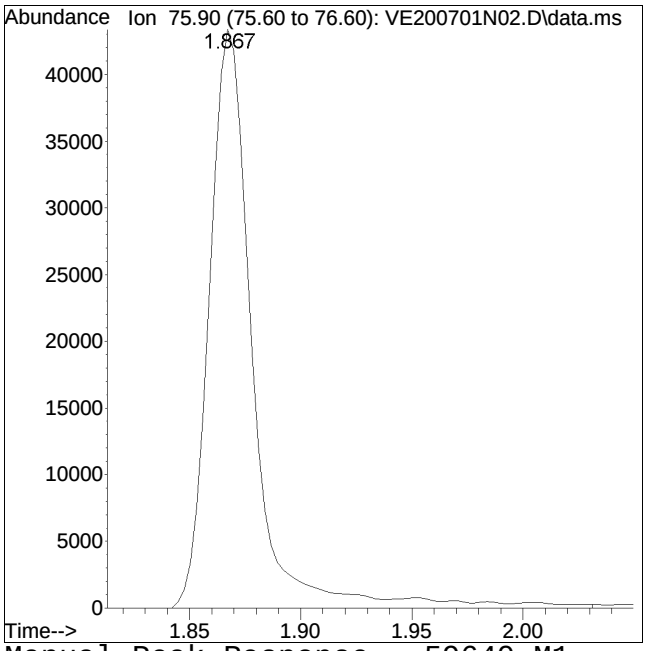
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200602N_8260.m
Data File : VE200701N02.D Operator : ELAINE:TMS
Date Inj'd : 7/1/2020 5:36 pm Instrument : Elaine
Sample : WG1388497-4,31,10,10 Quant Date : 7/1/2020 6:01 pm

Compound #11: Carbon disulfide



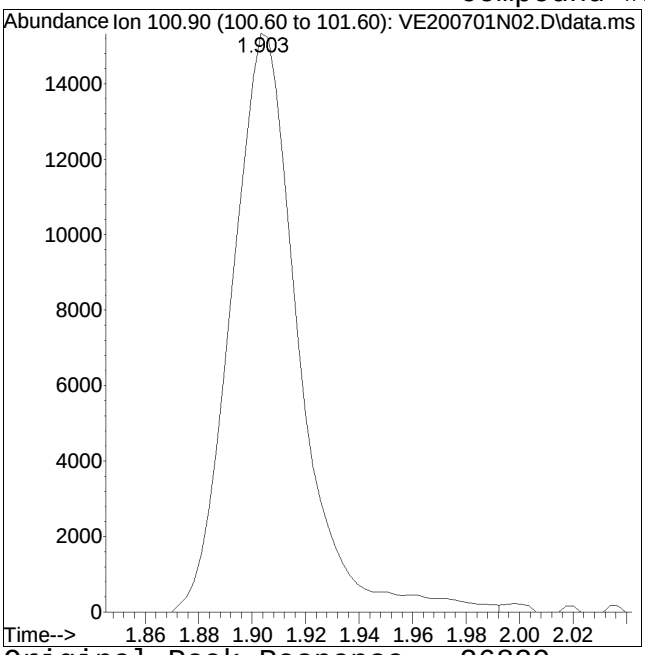


Original Peak Response = 57039 Manual Peak Response = 59640 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

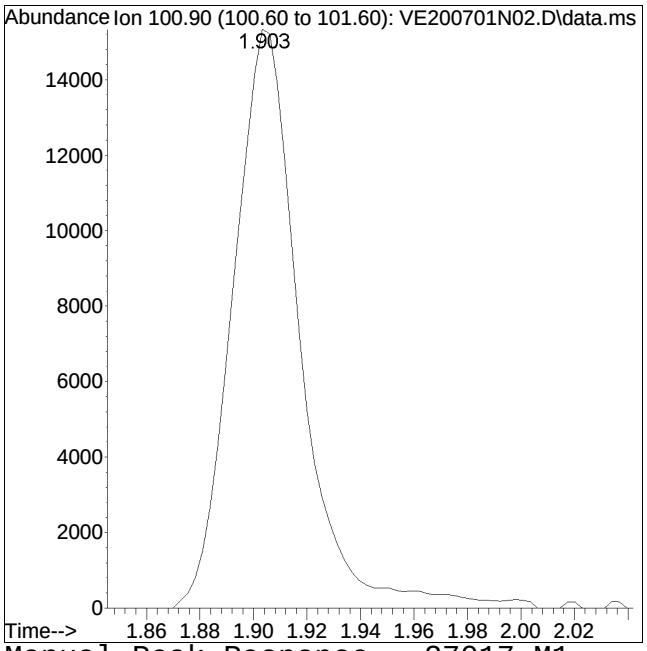
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200602N_8260.m
Data File : VE200701N02.D Operator : ELAINE:TMS
Date Inj'd : 7/1/2020 5:36 pm Instrument : Elaine
Sample : WG1388497-4,31,10,10 Quant Date : 7/1/2020 6:01 pm

Compound #12: Freon-113



Original Peak Response = 26829



Manual Peak Response = 27017 M1

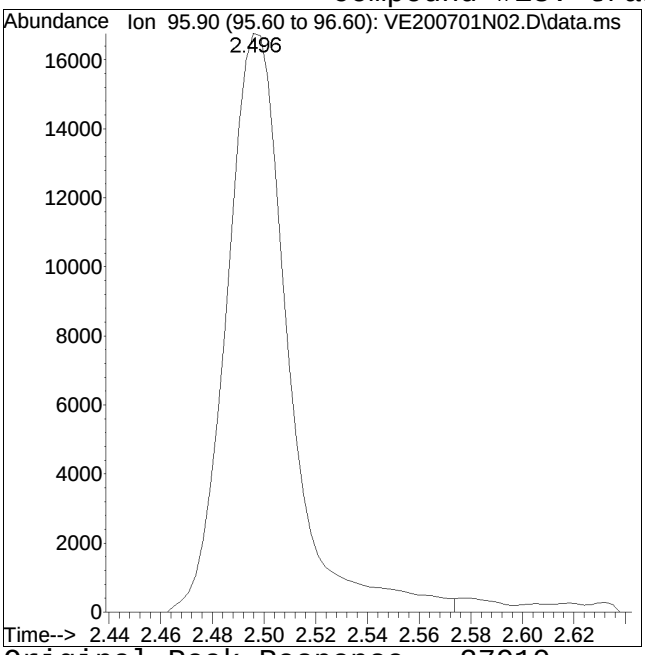
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

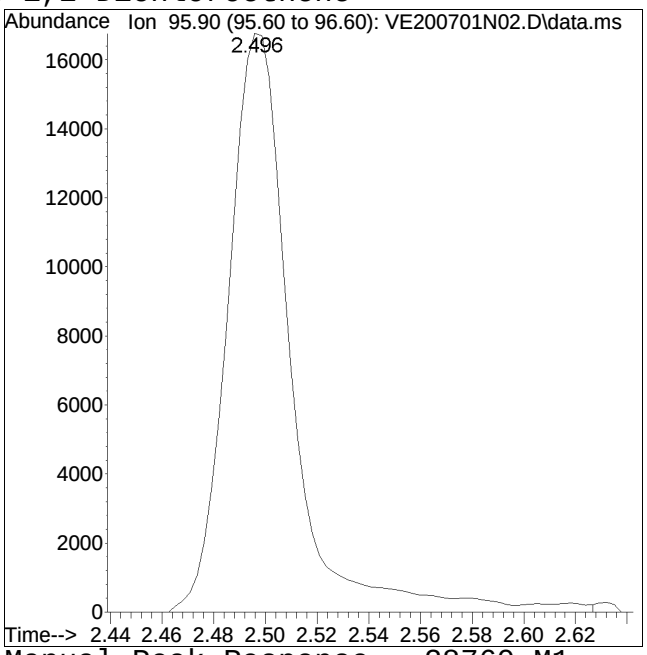
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2Q
Data File : VE200701N02.D
Date Inj'd : 7/1/2020 5:36 pm
Sample : WG1388497-4,31,10,10

Method : Elaine_200602N_8260.m
Operator : ELAINE:TMS
Instrument : Elaine
Quant Date : 7/1/2020 6:01 pm

Compound #18: trans-1,2-Dichloroethene





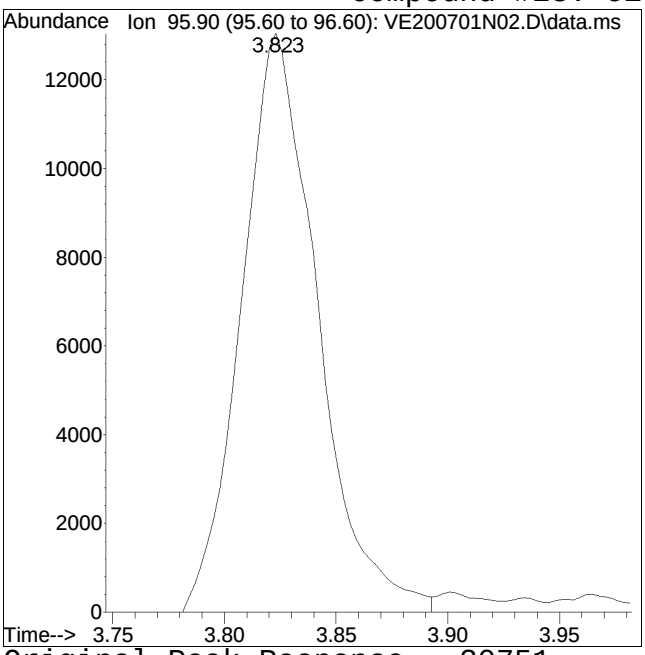
Original Peak Response = 27910 Manual Peak Response = 28760 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

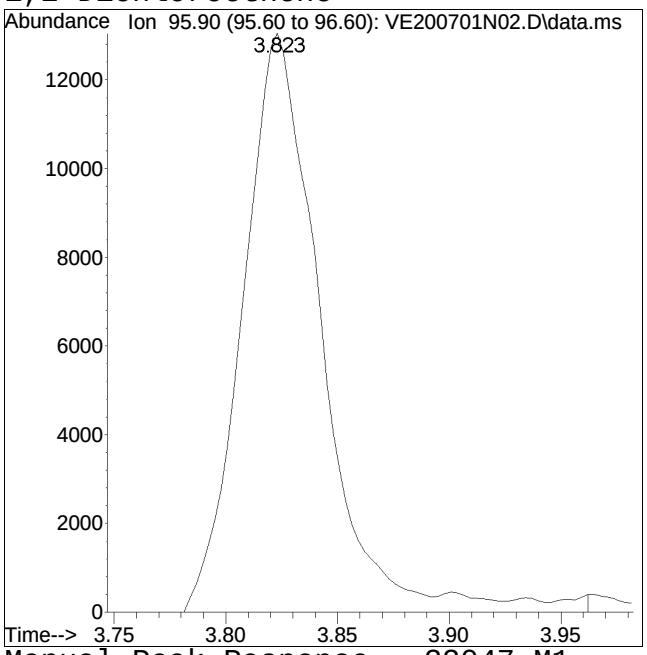
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200602N_8260.m
Data File : VE200701N02.D Operator : ELAINE:TMS
Date Inj'd : 7/1/2020 5:36 pm Instrument : Elaine
Sample : WG1388497-4,31,10,10 Quant Date : 7/1/2020 6:01 pm

Compound #28: cis-1,2-Dichloroethene



Original Peak Response = 30751



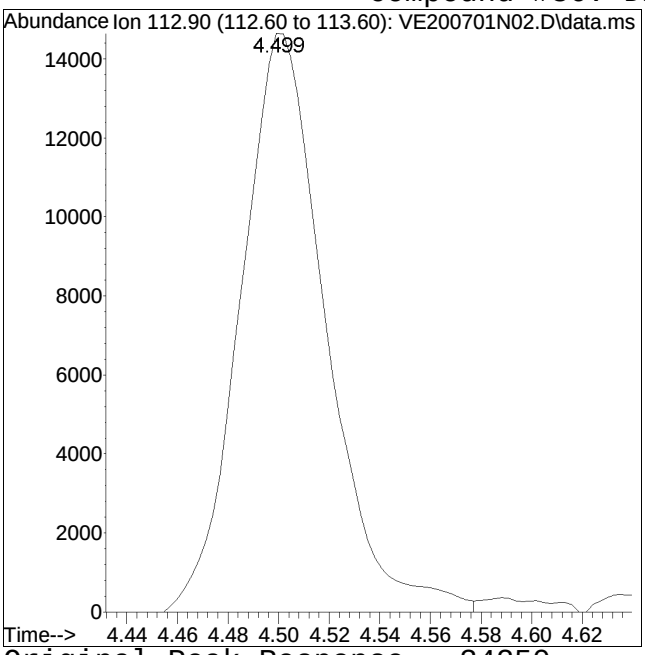
Manual Peak Response = 32047 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

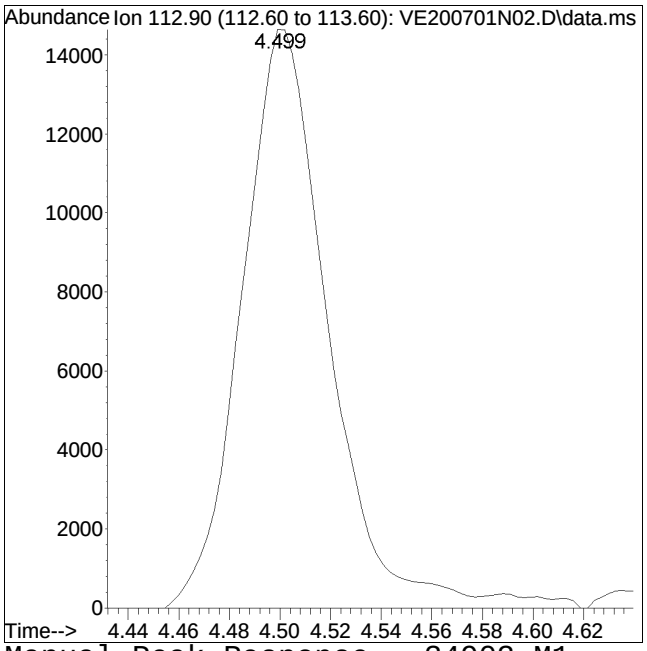
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200602N_8260.m
Data File : VE200701N02.D Operator : ELAINE:TMS
Date Inj'd : 7/1/2020 5:36 pm Instrument : Elaine
Sample : WG1388497-4,31,10,10 Quant Date : 7/1/2020 6:01 pm

Compound #36: Dibromofluoromethane



Original Peak Response = 34250



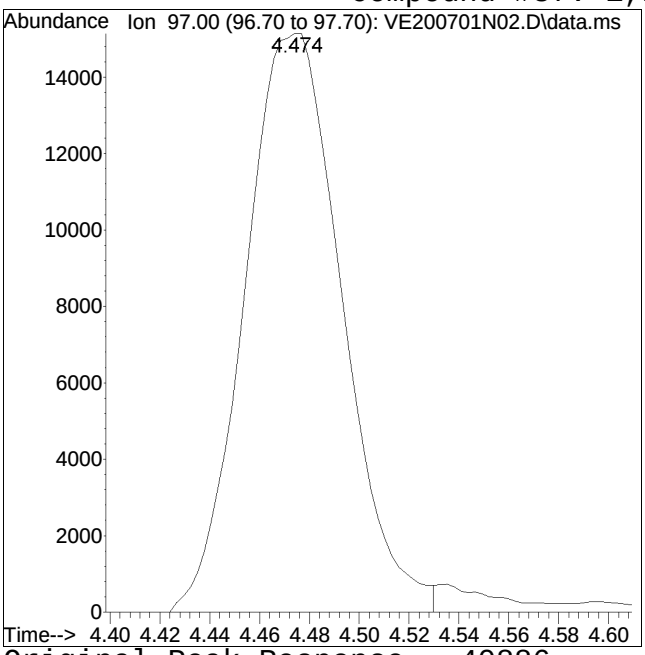
Manual Peak Response = 34903 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

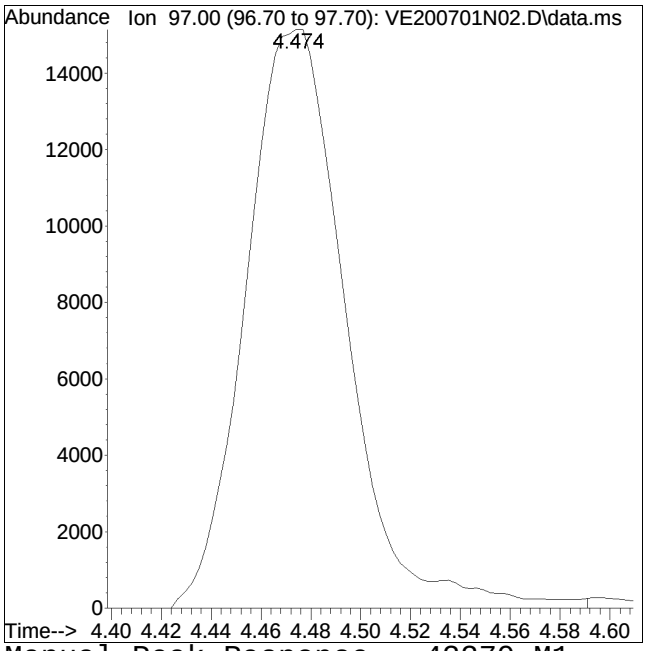
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200602N_8260.m
Data File : VE200701N02.D Operator : ELAINE:TMS
Date Inj'd : 7/1/2020 5:36 pm Instrument : Elaine
Sample : WG1388497-4,31,10,10 Quant Date : 7/1/2020 6:01 pm

Compound #37: 1,1,1-Trichloroethane



Original Peak Response = 40886



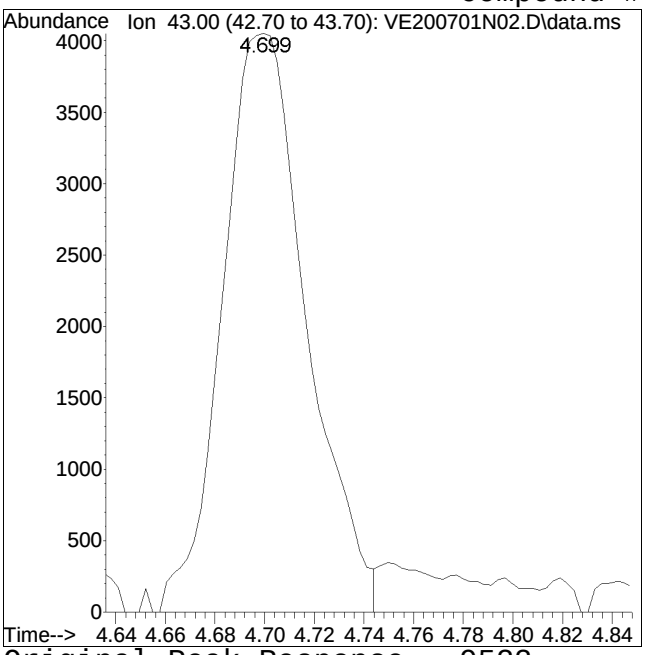
Manual Peak Response = 42270 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

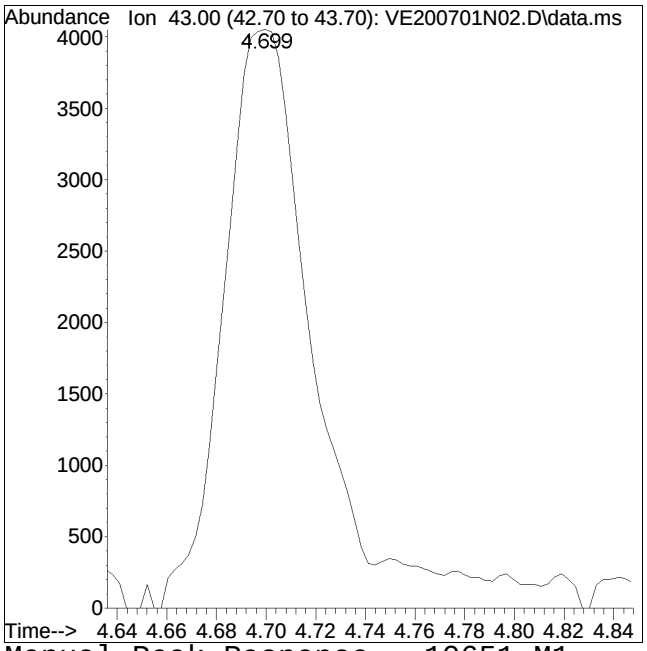
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2020\2QMethod : Elaine_200602N_8260.m
Data File : VE200701N02.D Operator : ELAINE:TMS
Date Inj'd : 7/1/2020 5:36 pm Instrument : Elaine
Sample : WG1388497-4,31,10,10 Quant Date : 7/1/2020 6:01 pm

Compound #39: 2-Butanone



Original Peak Response = 9522



Manual Peak Response = 10651 M1

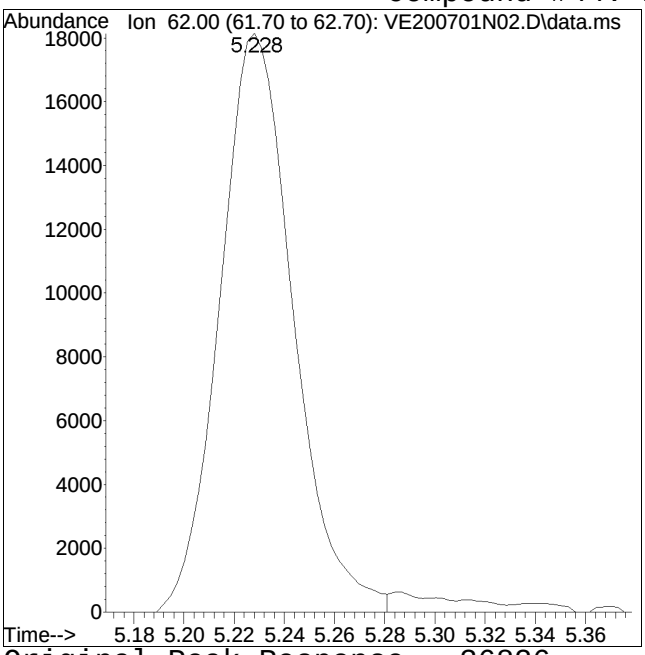
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

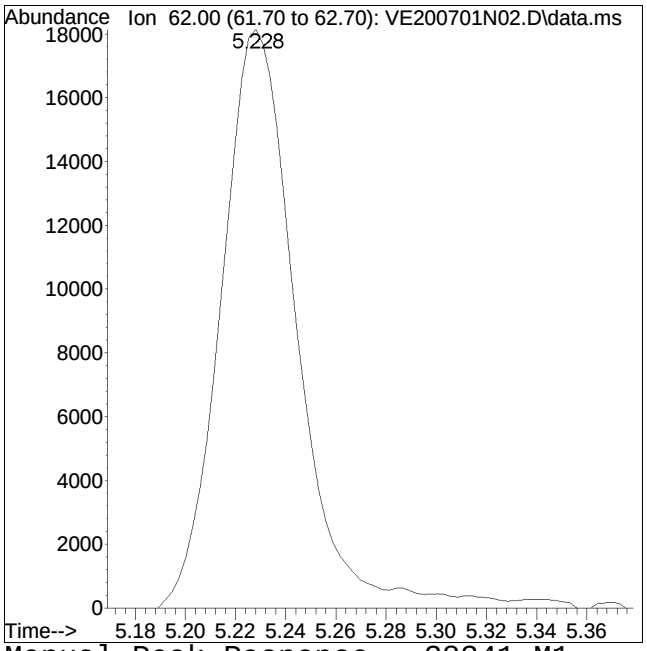
Data Path : I:\VOLATILES\Elaine\2020\2Q
Data File : VE200701N02.D
Date Inj'd : 7/1/2020 5:36 pm
Sample : WG1388497-4,31,10,10

Method : Elaine_200602N_8260.m
Operator : ELAINE:TMS
Instrument : Elaine
Quant Date : 7/1/2020 6:01 pm

Compound #44: 1,2-Dichloroethane



Original Peak Response = 36826



Manual Peak Response = 38341 M1

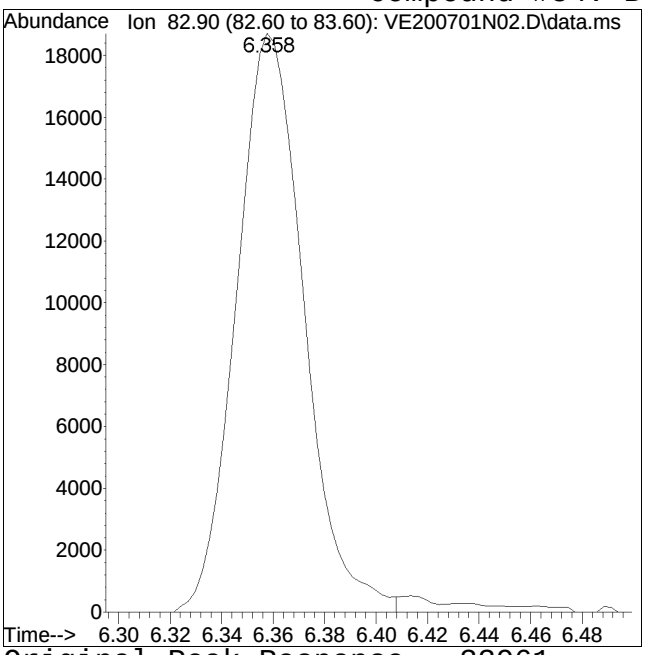
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

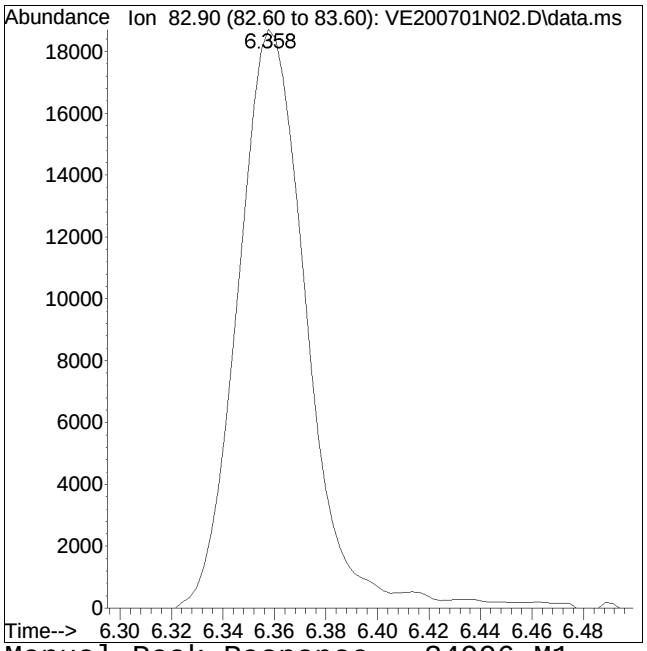
Data Path : I:\VOLATILES\Elaine\2020\2Q
Data File : VE200701N02.D
Date Inj'd : 7/1/2020 5:36 pm
Sample : WG1388497-4,31,10,10

Method : Elaine_200602N_8260.m
Operator : ELAINE:TMS
Instrument : Elaine
Quant Date : 7/1/2020 6:01 pm

Compound #54: Bromodichloromethane



Original Peak Response = 33961



Manual Peak Response = 34996 M1

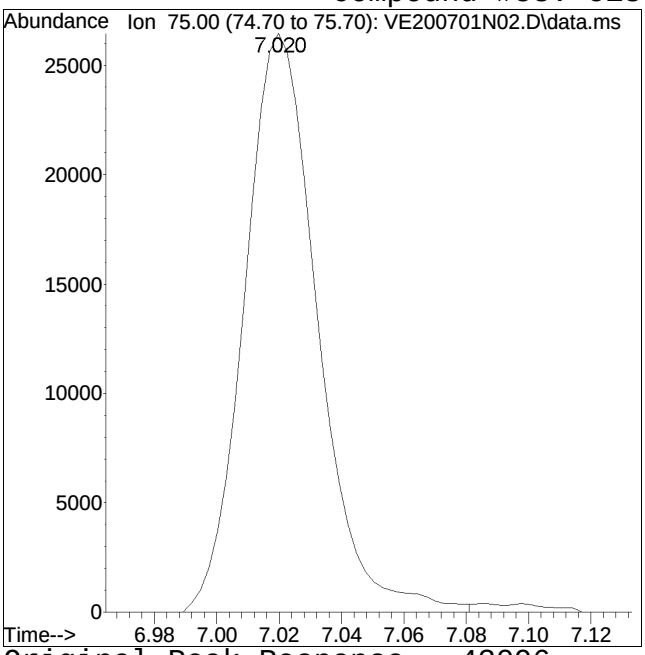
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

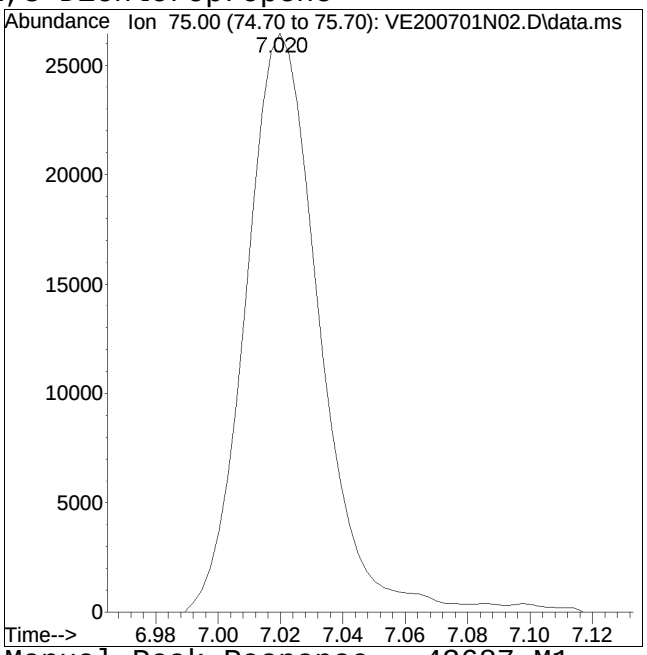
Data Path : I:\VOLATILES\Elaine\2020\2Q
Data File : VE200701N02.D
Date Inj'd : 7/1/2020 5:36 pm
Sample : WG1388497-4,31,10,10

Method : Elaine_200602N_8260.m
Operator : ELAINE:TMS
Instrument : Elaine
Quant Date : 7/1/2020 6:01 pm

Compound #58: cis-1,3-Dichloropropene



Original Peak Response = 43096



Manual Peak Response = 43687 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2020\200702A\
Data File : V08200702A02.D
Acq On : 2 Jul 2020 7:20 am
Operator : VOA108:PD
Sample : WG1388512-4,31,10,10
Misc : WG1388512,ICAL16918
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 02 07:42:09 2020
Quant Method : I:\VOLATILES\VOA108\2020\200702A\V108_200623N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jun 24 10:26:22 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2020\200702A\V08200702A01.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.400	96	207350	10.000	ug/L	0.00
Standard Area 1 = 204273			Recovery = 101.51%			
59) Chlorobenzene-d5	8.429	117	149645	10.000	ug/L	0.00
Standard Area 1 = 143225			Recovery = 104.48%			
79) 1,4-Dichlorobenzene-d4	9.923	152	70576	10.000	ug/L	0.00
Standard Area 1 = 66393			Recovery = 106.30%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.402	113	53697	9.629	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.29%			
43) 1,2-Dichloroethane-d4	5.049	65	63702	10.417	ug/L	-0.01
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.17%			
60) Toluene-d8	7.107	98	201423	10.402	ug/L	-0.01
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.02%			
83) 4-Bromofluorobenzene	9.254	95	73016	9.835	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.35%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.938	85	31961	6.201	ug/L	96
3) Chloromethane	1.050	50	53029M1	7.507	ug/L	
4) Vinyl chloride	1.106	62	53642M1	8.511	ug/L	
5) Bromomethane	1.304	94	27405M1	7.901	ug/L	
6) Chloroethane	1.382	64	32930M1	9.935	ug/L	
7) Trichlorofluoromethane	1.477	101	69049M1	9.382	ug/L	
10) 1,1-Dichloroethene	1.831	96	42790M1	9.000	ug/L	
11) Carbon disulfide	1.839	76	117342M1	8.829	ug/L	
12) Freon-113	1.873	101	44194M1	9.498	ug/L	
15) Methylene chloride	2.302	84	51508M1	8.758	ug/L	
17) Acetone	2.355	43	13668M1	8.626	ug/L	
18) trans-1,2-Dichloroethene	2.444	96	48344M1	8.835	ug/L	
19) Methyl acetate	2.480	43	35113	8.157	ug/L #	96
20) Methyl tert-butyl ether	2.570	73	123471M1	8.498	ug/L	
23) 1,1-Dichloroethane	3.060	63	99480M1	9.621	ug/L	
28) cis-1,2-Dichloroethene	3.730	96	54346M1	8.903	ug/L	
30) Bromochloromethane	3.992	128	25695M1	9.109	ug/L	
31) Cyclohexane	3.964	56	97694M1	8.940	ug/L	
32) Chloroform	4.159	83	89675M1	8.722	ug/L	
34) Carbon tetrachloride	4.282	117	62576	8.758	ug/L	96

Data Path : I:\VOLATILES\VOA108\2020\200702A\
Data File : V08200702A02.D
Acq On : 2 Jul 2020 7:20 am
Operator : VOA108:PD
Sample : WG1388512-4,31,10,10
Misc : WG1388512,ICAL16918
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 02 07:42:09 2020
Quant Method : I:\VOLATILES\VOA108\2020\200702A\V108_200623N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jun 24 10:26:22 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2020\200702A\V08200702A01.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) 1,1,1-Trichloroethane	4.379	97	79890M1	8.865	ug/L		
39) 2-Butanone	4.591	43	23495M1	9.143	ug/L		
41) Benzene	4.870	78	186666	8.790	ug/L		97
44) 1,2-Dichloroethane	5.132	62	74048M1	9.420	ug/L		
47) Methyl cyclohexane	5.556	83	79625M1	8.502	ug/L		
48) Trichloroethene	5.598	95	52987M1	8.320	ug/L		
51) 1,2-Dichloropropane	6.159	63	56521M1	8.846	ug/L		
54) Bromodichloromethane	6.270	83	66552	8.052	ug/L		97
57) 1,4-Dioxane	6.499	88	20279	474.548	ug/L		91
58) cis-1,3-Dichloropropene	6.931	75	75313	8.175	ug/L		92
61) Toluene	7.157	92	122358	9.528	ug/L		94
62) 4-Methyl-2-pentanone	7.575	58	18161	7.898	ug/L	#	78
63) Tetrachloroethene	7.522	166	50130	9.389	ug/L		90
65) trans-1,3-Dichloropropene	7.595	75	65244	8.724	ug/L		87
68) 1,1,2-Trichloroethane	7.726	83	33732	8.763	ug/L		91
69) Chlorodibromomethane	7.862	129	50780	8.949	ug/L		96
71) 1,2-Dibromoethane	8.021	107	42232	9.157	ug/L		98
72) 2-Hexanone	8.270	43	34602	8.575	ug/L		94
73) Chlorobenzene	8.440	112	139689	9.664	ug/L	#	88
74) Ethylbenzene	8.482	91	227722	9.666	ug/L		97
76) p/m Xylene	8.590	106	183653	19.413	ug/L		90
77) o Xylene	8.875	106	181396	19.657	ug/L		85
78) Styrene	8.911	104	291027	19.118	ug/L		88
80) Bromoform	8.917	173	26160	8.598	ug/L		94
82) Isopropylbenzene	9.087	105	229255	9.804	ug/L		95
87) 1,1,2,2-Tetrachloroethane	9.402	83	50098	8.832	ug/L		97
100) 1,3-Dichlorobenzene	9.879	146	110438	9.862	ug/L		98
101) 1,4-Dichlorobenzene	9.932	146	110616	9.761	ug/L		97
104) 1,2-Dichlorobenzene	10.171	146	105273	9.956	ug/L		98
106) 1,2-Dibromo-3-chloropr...	10.629	155	6783	7.972	ug/L		92
109) 1,2,4-Trichlorobenzene	11.005	180	61176	9.068	ug/L		96
111) 1,2,3-Trichlorobenzene	11.287	180	55333	9.157	ug/L		98

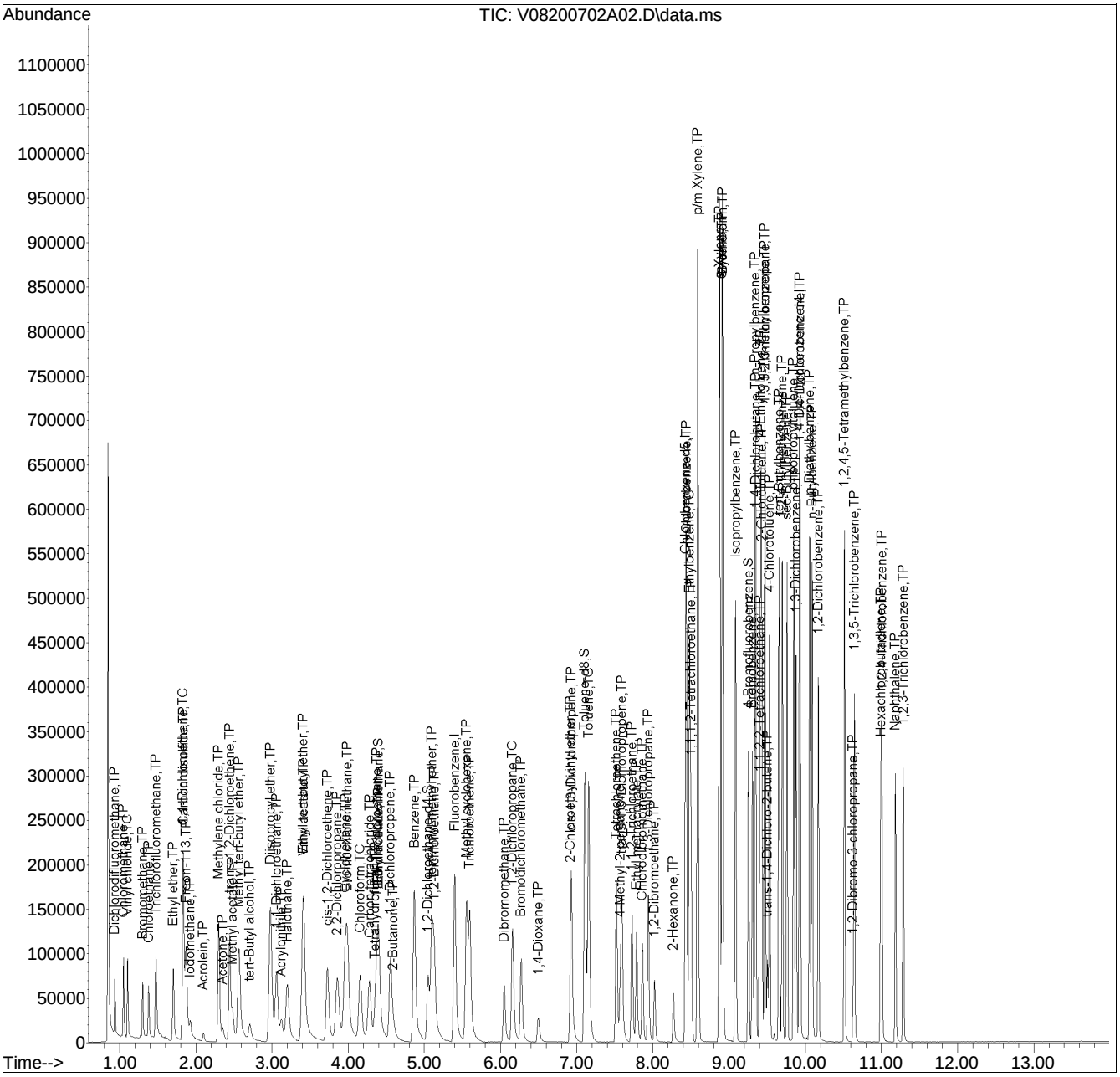
(#) = qualifier out of range (m) = manual integration (+) = signals summed

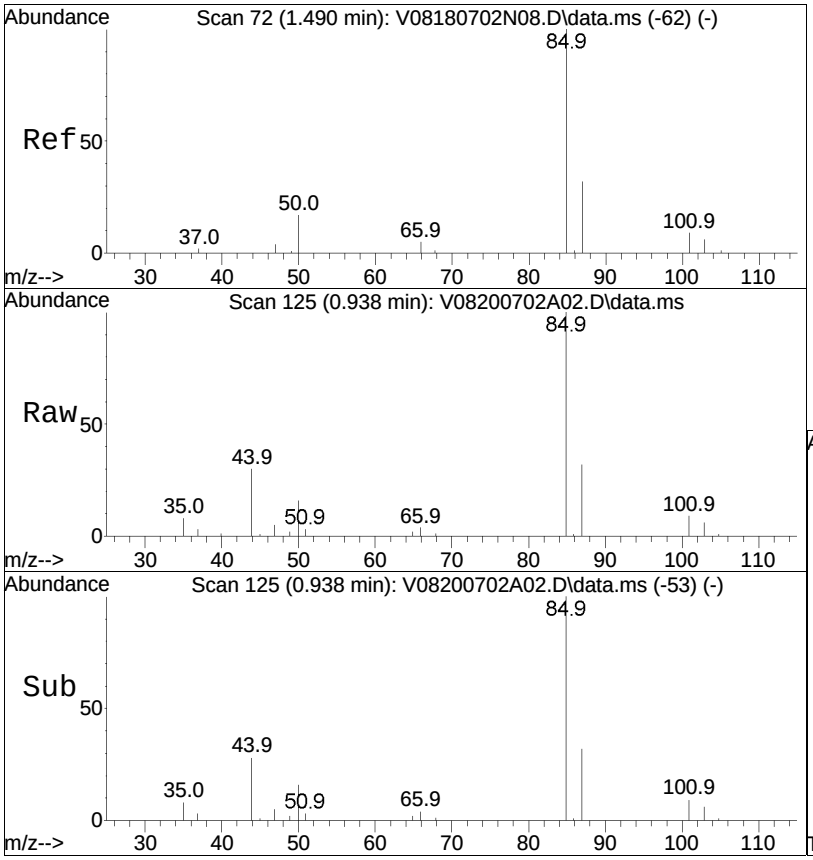
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2020\200702A\
Data File : V08200702A02.D
Acq On : 2 Jul 2020 7:20 am
Operator : VOA108:PD
Sample : WG1388512-4,31,10,10
Misc : WG1388512,ICAL16918
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 02 07:42:09 2020
Quant Method : I:\VOLATILES\VOA108\2020\200702A\V108_200623N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jun 24 10:26:22 2020
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox00702A\V08200702A01.D•

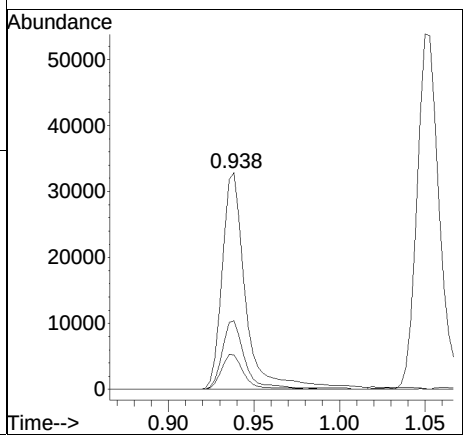


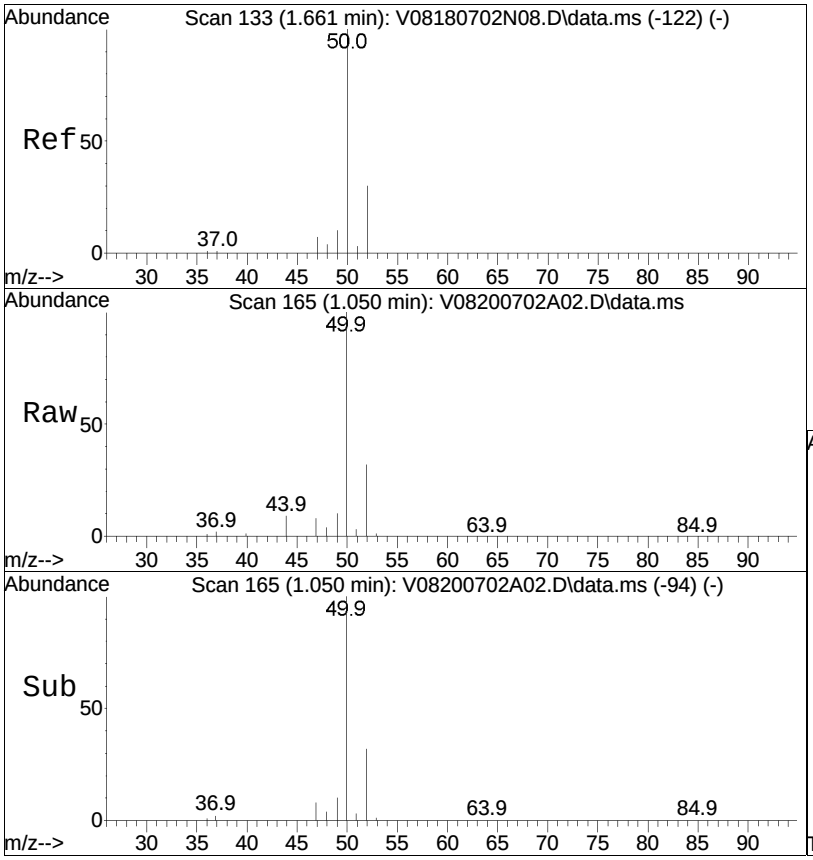


#2
Dichlorodifluoromethane
Concen: 6.20 ug/L
RT: 0.938 min Scan# 125
Delta R.T. 0.000 min
Lab File: V08200702A02.D
Acq: 2 Jul 2020 7:20 am

Tgt Ion: 85 Resp: 31961

Ion	Ratio	Lower	Upper
85	100		
87	30.0	21.0	43.6
50	15.4	8.9	18.5

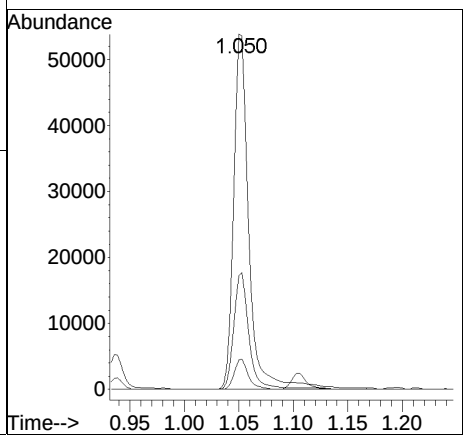


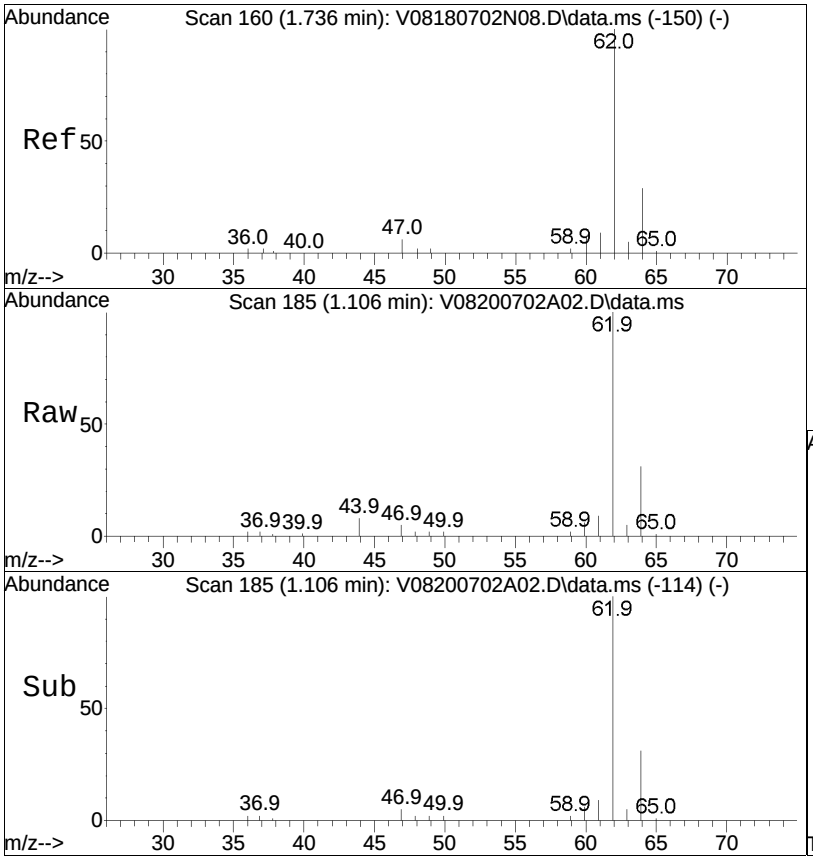


#3
Chloromethane
Concen: 7.51 ug/L M1
RT: 1.050 min Scan# 165
Delta R.T. -0.003 min
Lab File: V08200702A02.D
Acq: 2 Jul 2020 7:20 am

Tgt Ion: 50 Resp: 53029

Ion	Ratio	Lower	Upper
50	100		
52	32.1	12.9	52.9
47	7.8	0.0	28.3

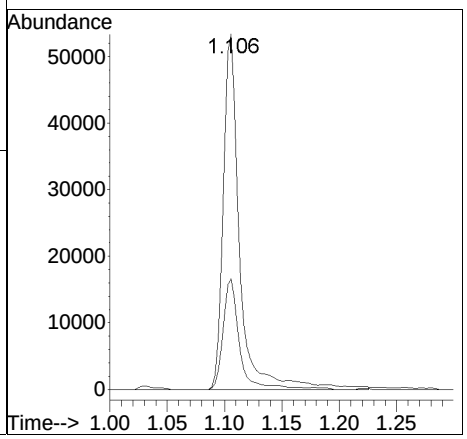


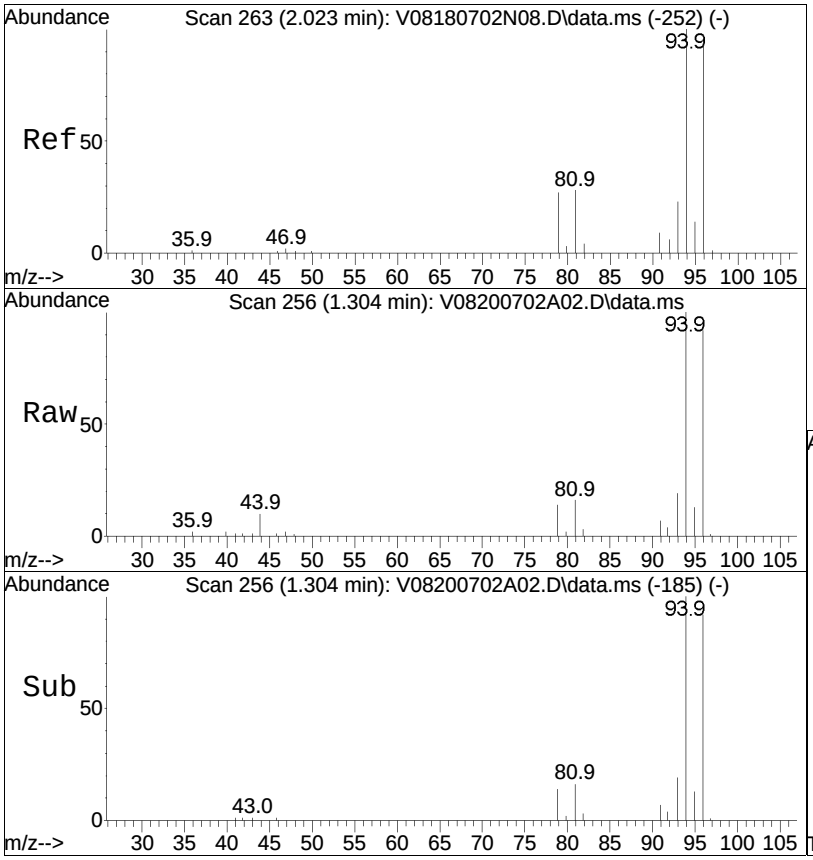


#4
Vinyl chloride
Concen: 8.51 ug/L M1
RT: 1.106 min Scan# 185
Delta R.T. -0.002 min
Lab File: V08200702A02.D
Acq: 2 Jul 2020 7:20 am

Tgt Ion: 62 Resp: 53642

Ion	Ratio	Lower	Upper
62	100		
64	30.7	9.1	49.1

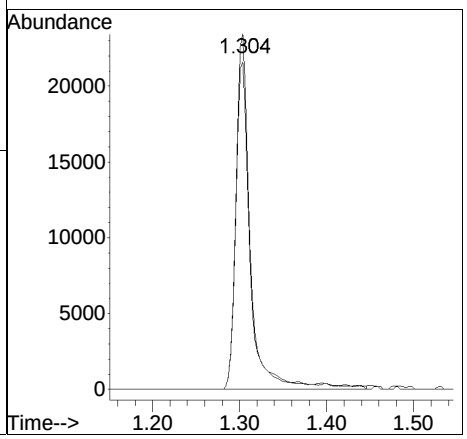


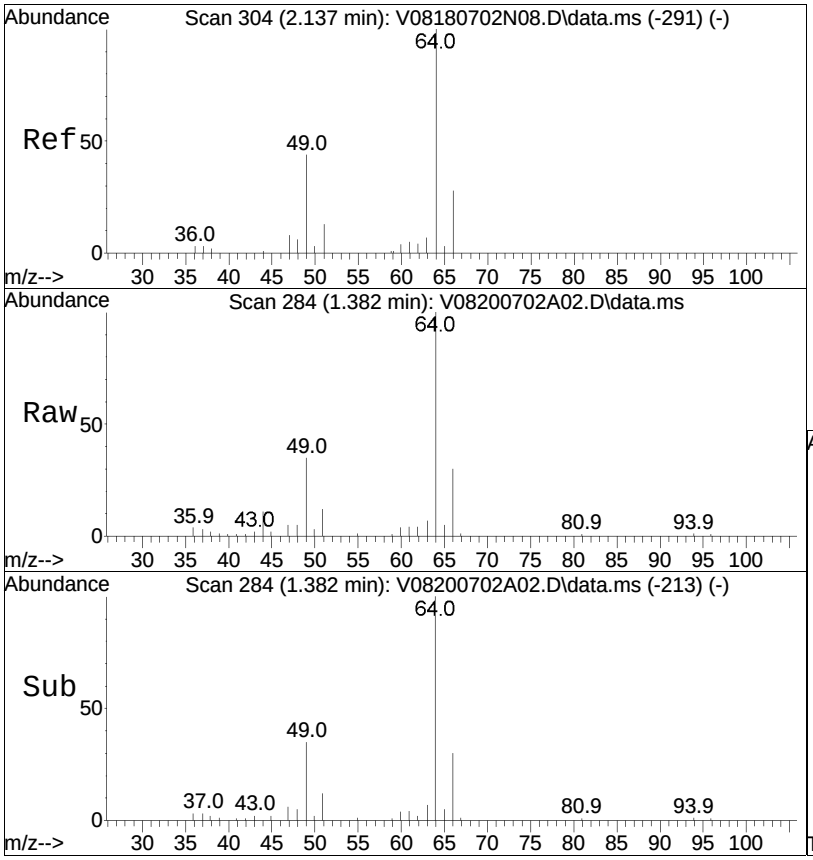


#5
Bromomethane
Concen: 7.90 ug/L M1
RT: 1.304 min Scan# 256
Delta R.T. -0.002 min
Lab File: V08200702A02.D
Acq: 2 Jul 2020 7:20 am

Tgt Ion: 94 Resp: 27405

Ion	Ratio	Lower	Upper
94	100		
96	87.3	75.6	115.6

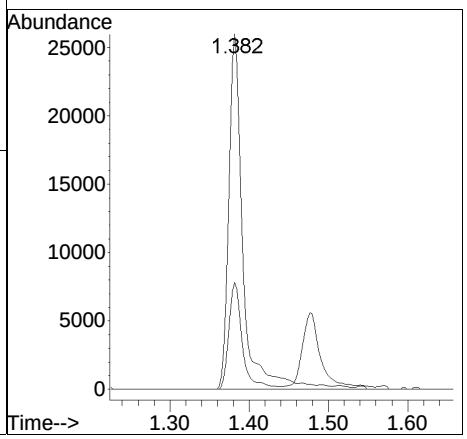


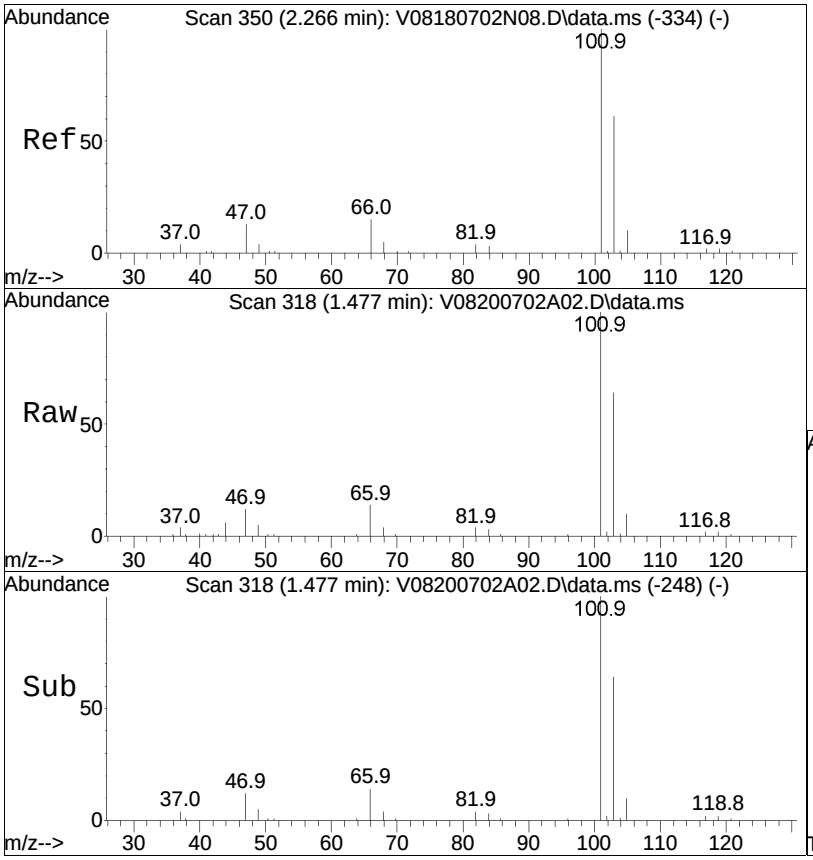


#6
Chloroethane
Concen: 9.94 ug/L M1
RT: 1.382 min Scan# 284
Delta R.T. -0.002 min
Lab File: V08200702A02.D
Acq: 2 Jul 2020 7:20 am

Tgt Ion: 64 Resp: 32930

Ion	Ratio	Lower	Upper
64	100		
66	28.4	9.8	49.8

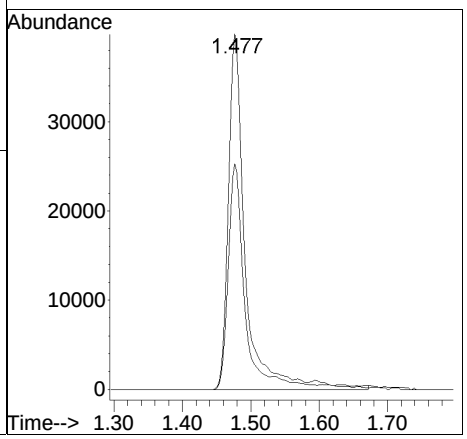


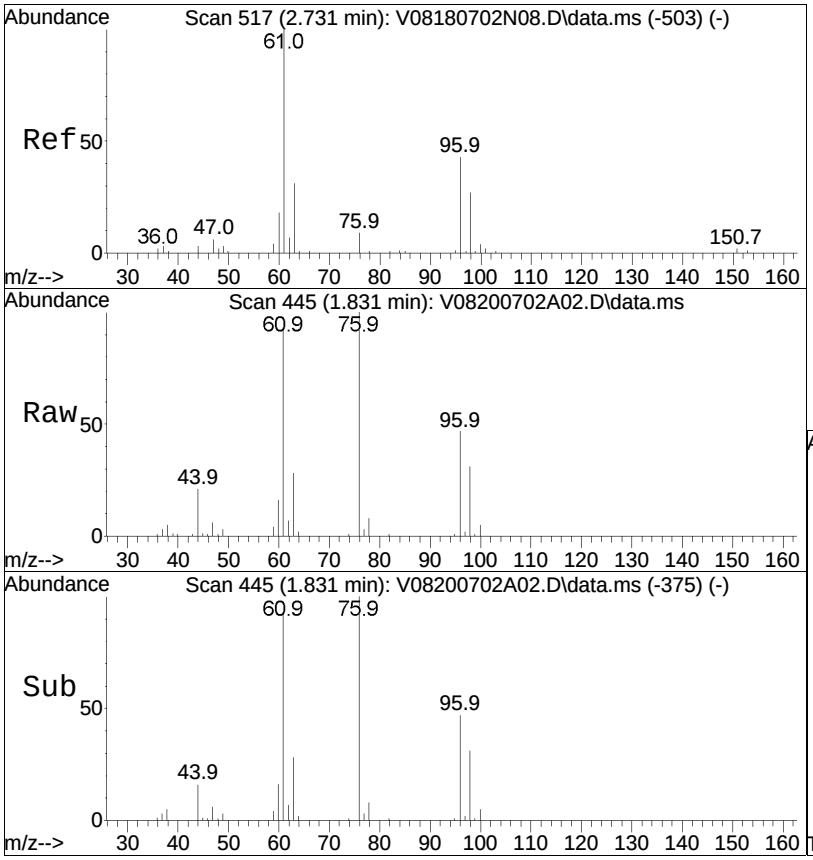


#7
Trichlorofluoromethane
Concen: 9.38 ug/L M1
RT: 1.477 min Scan# 318
Delta R.T. -0.005 min
Lab File: V08200702A02.D
Acq: 2 Jul 2020 7:20 am

Tgt Ion:101 Resp: 69049

Ion	Ratio	Lower	Upper
101	100		
103	56.8	53.8	80.6

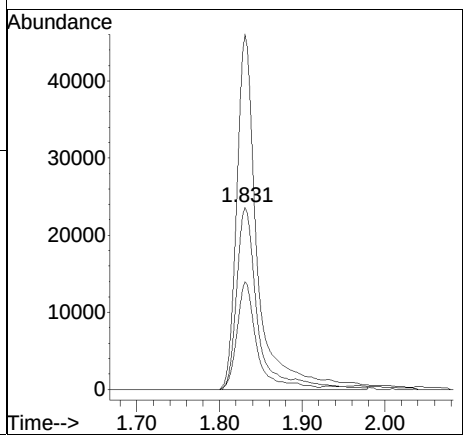


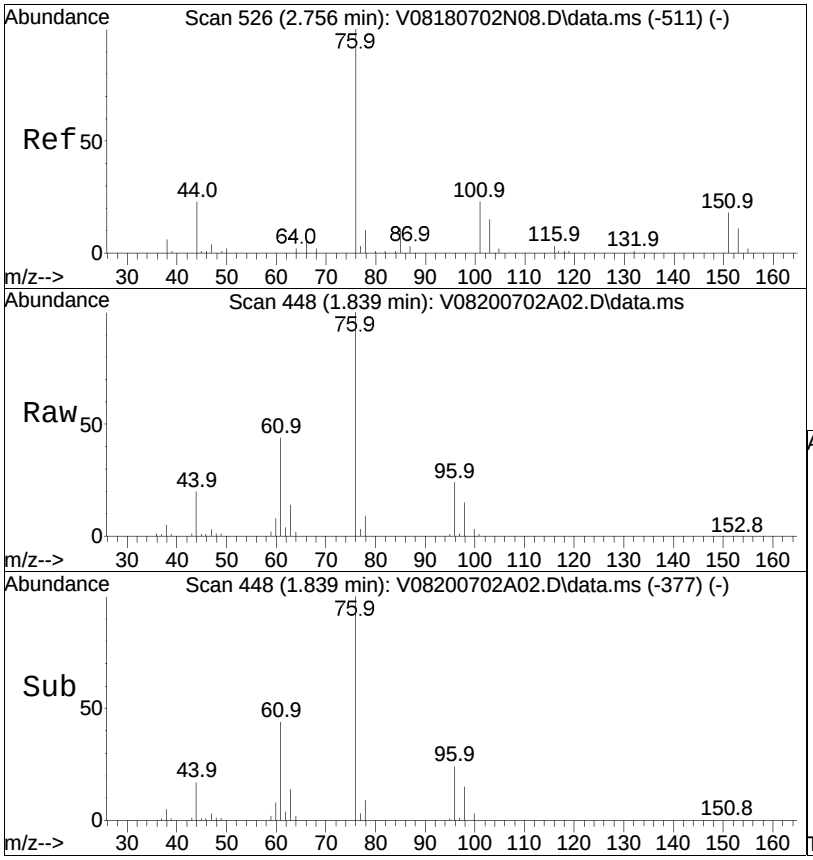


#10
1,1-Dichloroethene
Concen: 9.00 ug/L M1
RT: 1.831 min Scan# 445
Delta R.T. -0.005 min
Lab File: V08200702A02.D
Acq: 2 Jul 2020 7:20 am

Tgt Ion: 96 Resp: 42790

Ion	Ratio	Lower	Upper
96	100		
61	182.6	186.1	279.1#
63	52.5	57.6	86.4#

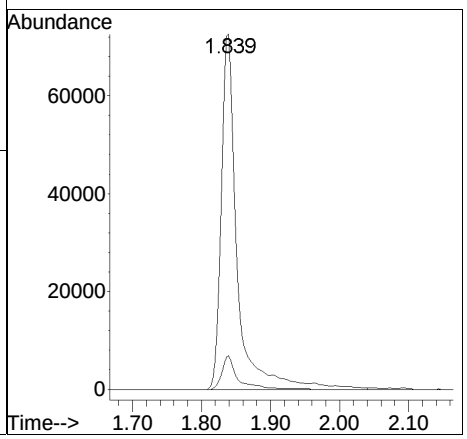


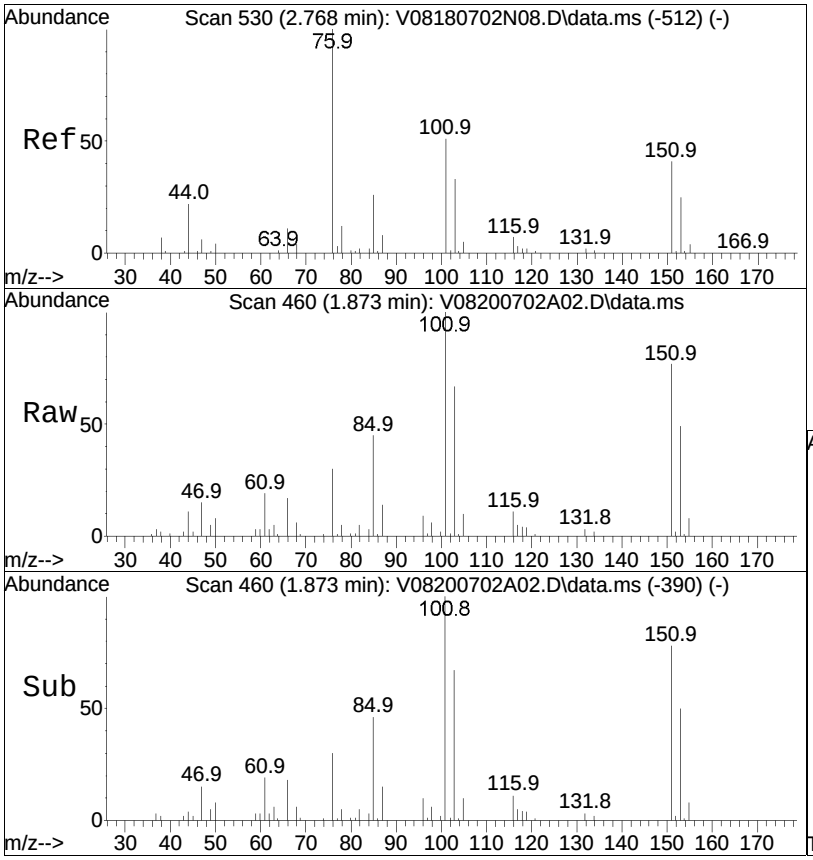


#11
Carbon disulfide
Concen: 8.83 ug/L M1
RT: 1.839 min Scan# 448
Delta R.T. -0.003 min
Lab File: V08200702A02.D
Acq: 2 Jul 2020 7:20 am

Tgt Ion: 76 Resp: 117342

Ion	Ratio	Lower	Upper
76	100		
78	9.3	5.7	11.7

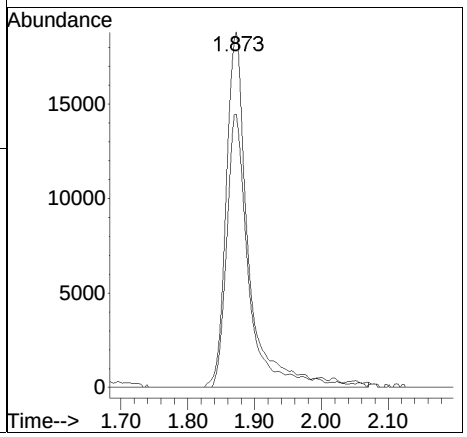


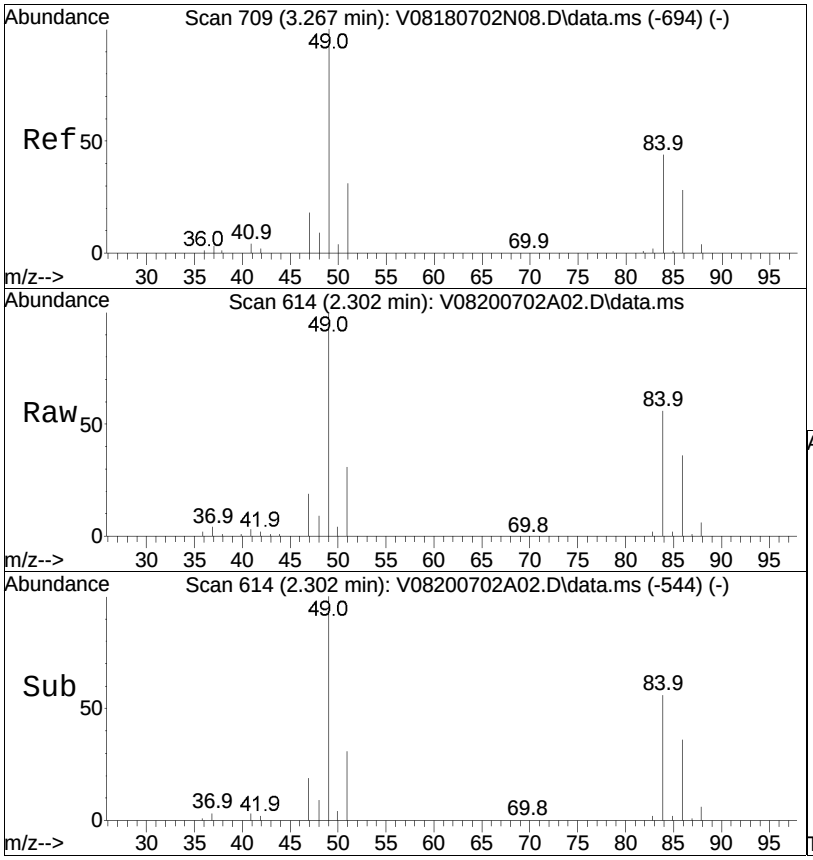


#12
Freon-113
Concen: 9.50 ug/L M1
RT: 1.873 min Scan# 460
Delta R.T. -0.005 min
Lab File: V08200702A02.D
Acq: 2 Jul 2020 7:20 am

Tgt Ion:101 Resp: 44194

Ion	Ratio	Lower	Upper
101	100		
151	69.0	59.8	89.8

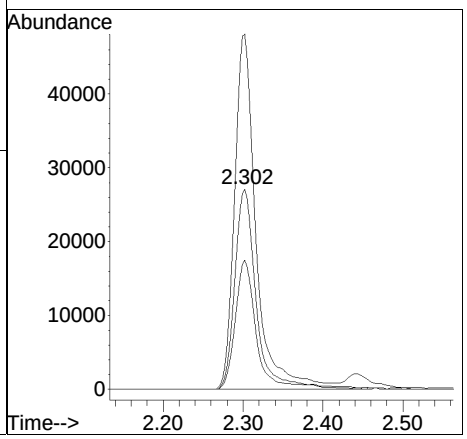


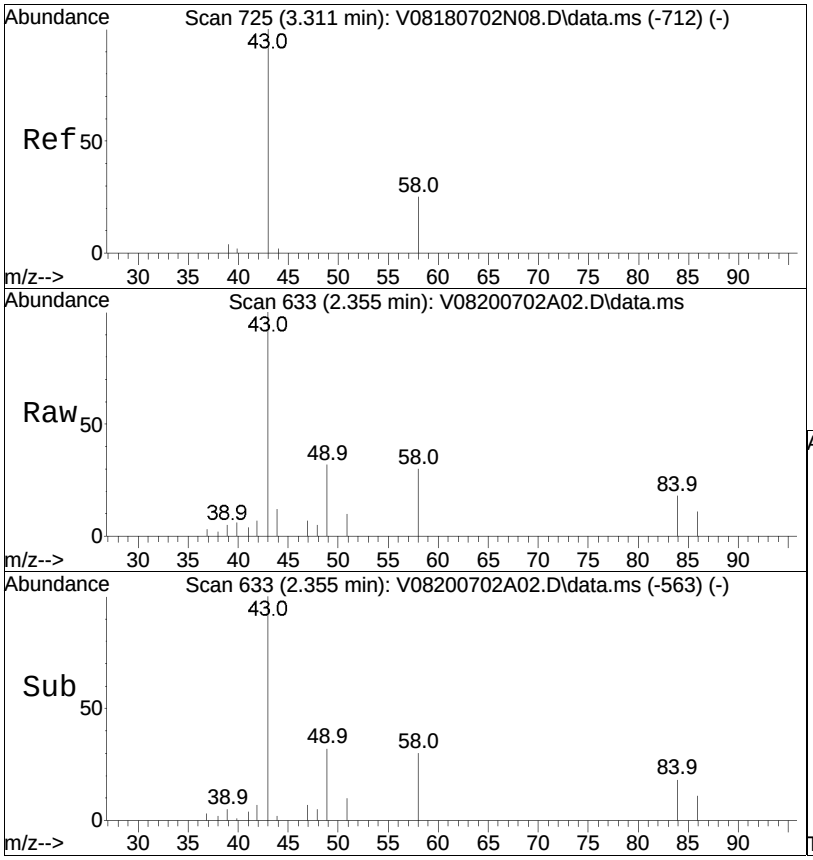


#15
Methylene chloride
Concen: 8.76 ug/L M1
RT: 2.302 min Scan# 614
Delta R.T. -0.005 min
Lab File: V08200702A02.D
Acq: 2 Jul 2020 7:20 am

Tgt Ion: 84 Resp: 51508

Ion	Ratio	Lower	Upper
84	100		
86	60.2	40.4	83.8
49	174.3	120.0	249.2

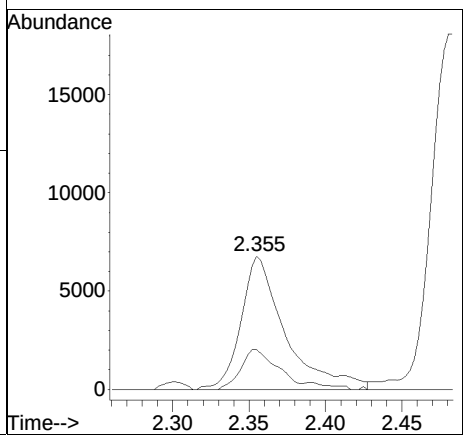


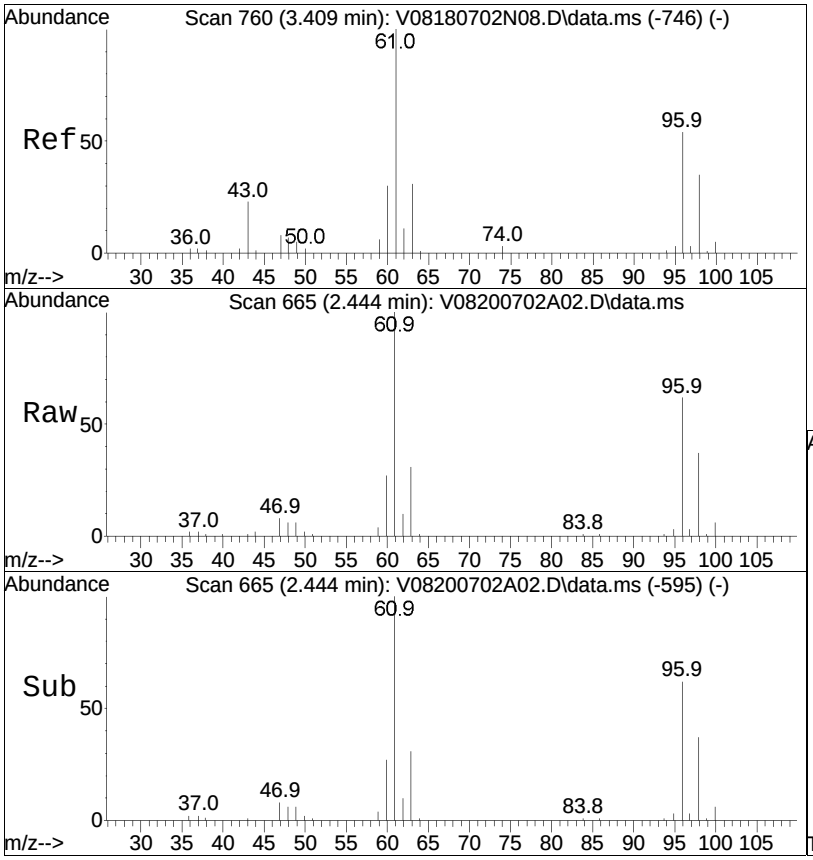


#17
Acetone
Concen: 8.63 ug/L M1
RT: 2.355 min Scan# 633
Delta R.T. -0.005 min
Lab File: V08200702A02.D
Acq: 2 Jul 2020 7:20 am

Tgt Ion: 43 Resp: 13668

Ion	Ratio	Lower	Upper
43	100		
58	24.4	24.2	36.4

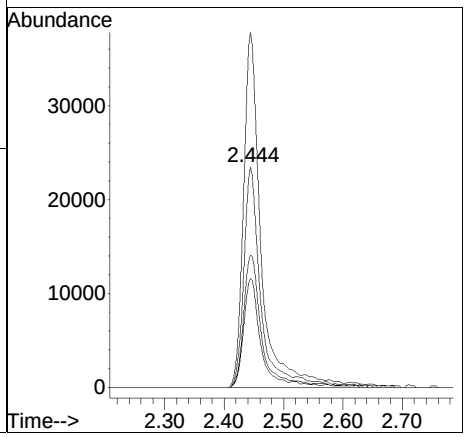


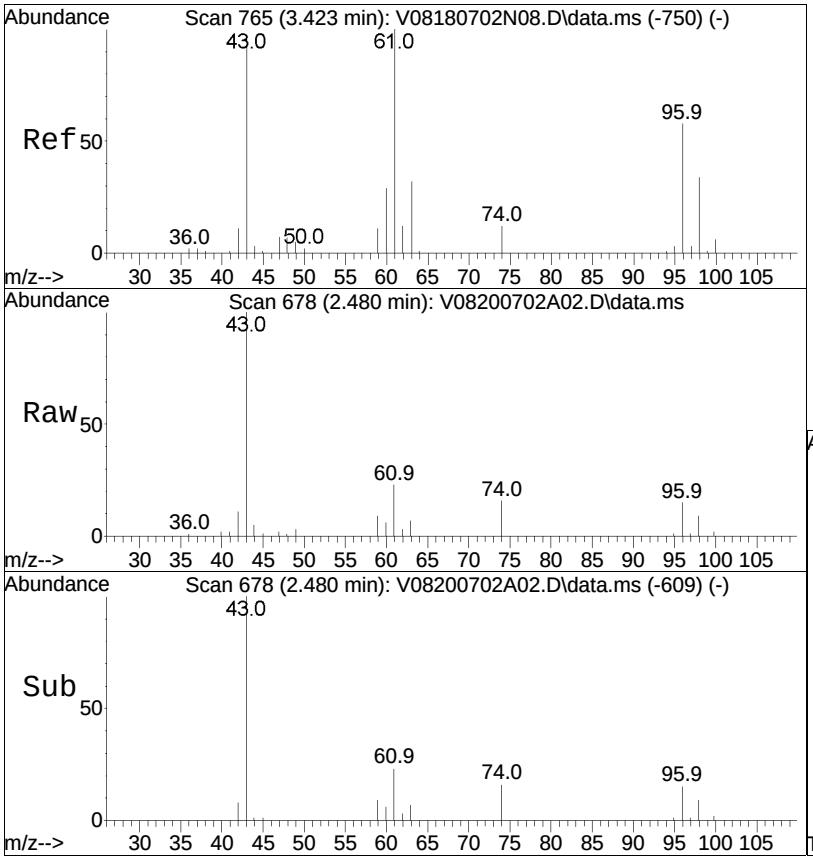


#18
trans-1,2-Dichloroethene
Concen: 8.83 ug/L M1
RT: 2.444 min Scan# 665
Delta R.T. -0.006 min
Lab File: V08200702A02.D
Acq: 2 Jul 2020 7:20 am

Tgt Ion: 96 Resp: 48344

Ion	Ratio	Lower	Upper
96	100		
61	153.7	124.0	257.6
98	60.7	41.2	85.6
63	46.2	38.4	79.7

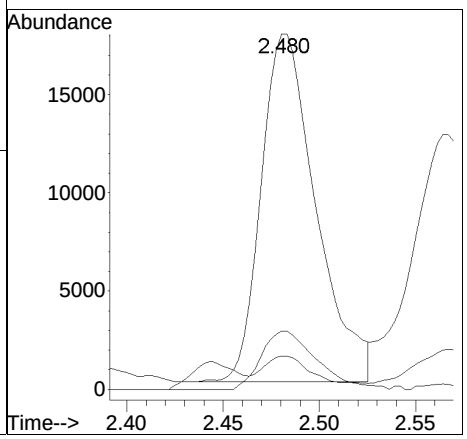


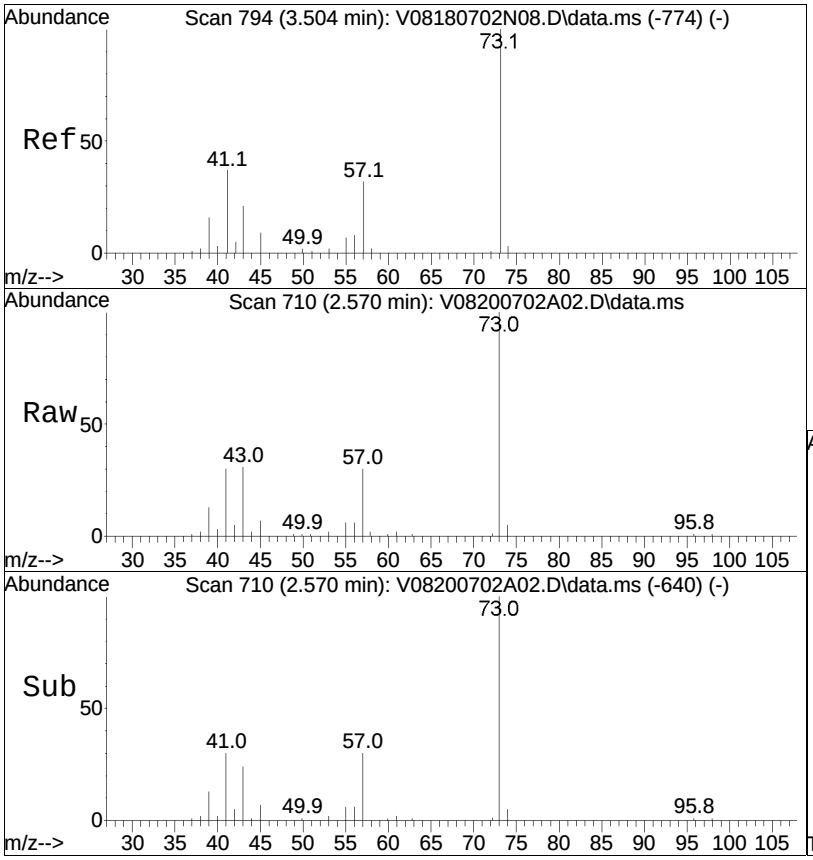


#19
Methyl acetate
Concen: 8.16 ug/L
RT: 2.480 min Scan# 678
Delta R.T. -0.009 min
Lab File: V08200702A02.D
Acq: 2 Jul 2020 7:20 am

Tgt Ion: 43 Resp: 35113

Ion	Ratio	Lower	Upper
43	100		
74	16.8	14.2	21.4
59	9.5	5.0	7.6#

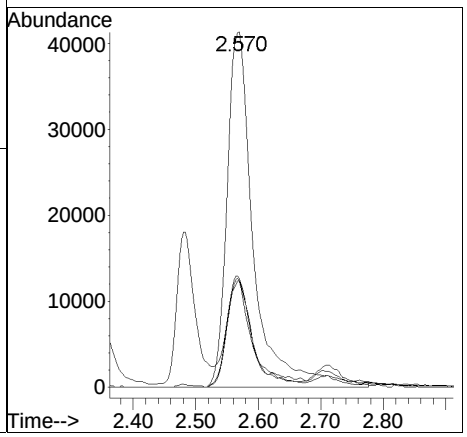


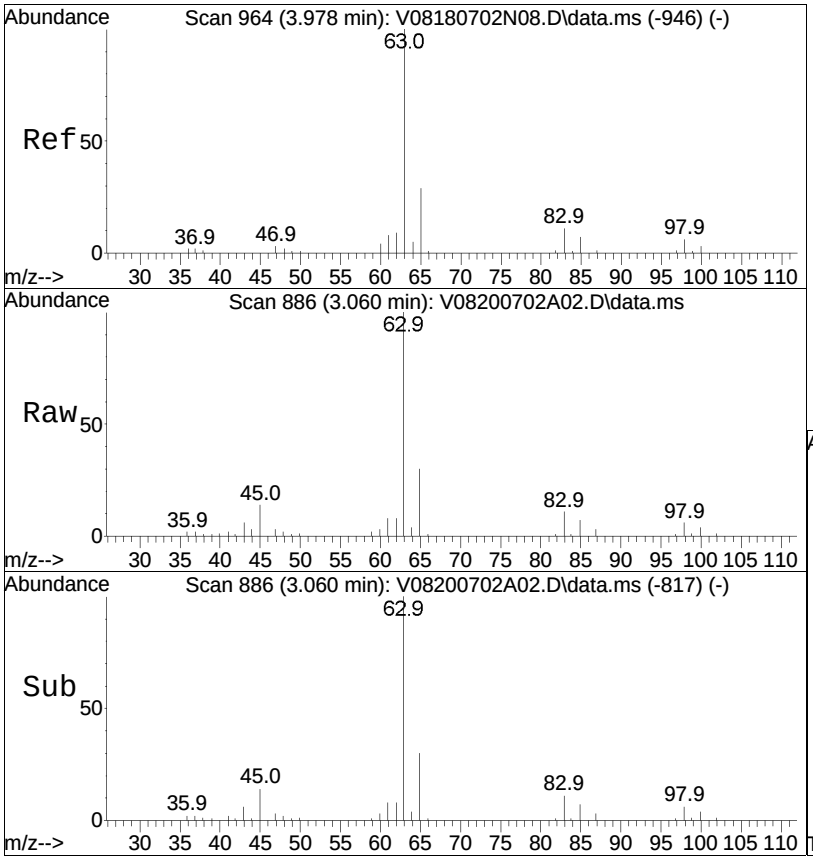


#20
Methyl tert-butyl ether
Concen: 8.50 ug/L M1
RT: 2.570 min Scan# 710
Delta R.T. -0.005 min
Lab File: V08200702A02.D
Acq: 2 Jul 2020 7:20 am

Tgt Ion: 73 Resp: 123471

Ion	Ratio	Lower	Upper
73	100		
57	26.5	17.5	36.3
43	24.7	15.3	31.9
41	26.8	15.3	31.7

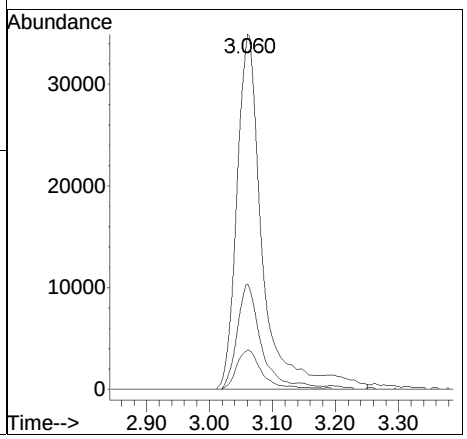


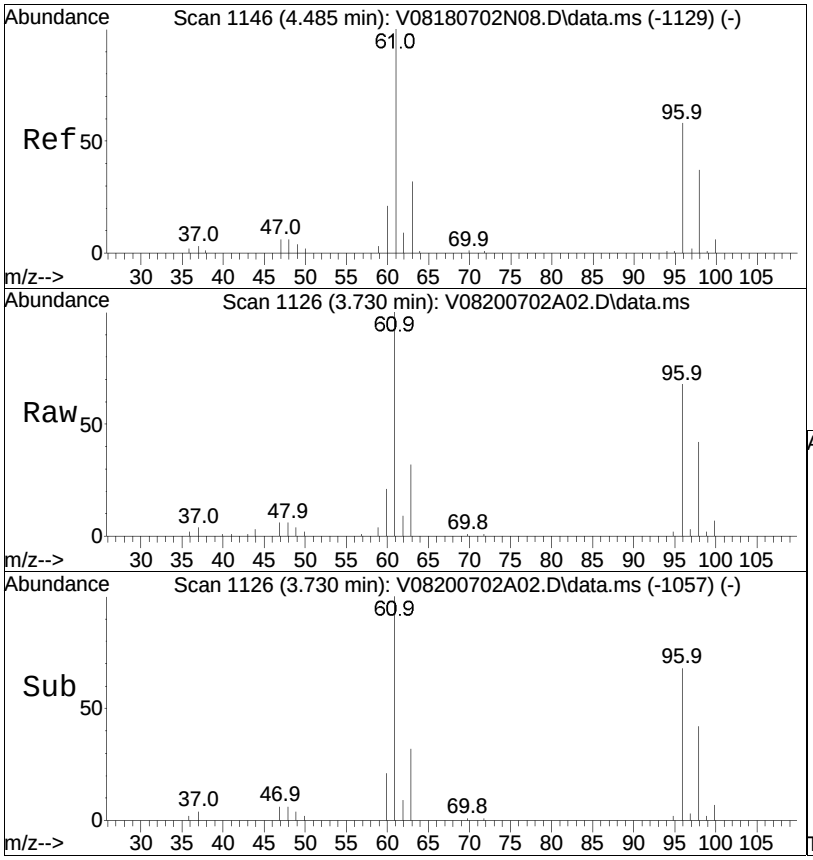


#23
1,1-Dichloroethane
Concen: 9.62 ug/L M1
RT: 3.060 min Scan# 886
Delta R.T. -0.009 min
Lab File: V08200702A02.D
Acq: 2 Jul 2020 7:20 am

Tgt Ion: 63 Resp: 99480

Ion	Ratio	Lower	Upper
63	100		
65	26.7	11.0	51.0
83	10.4	0.0	31.8

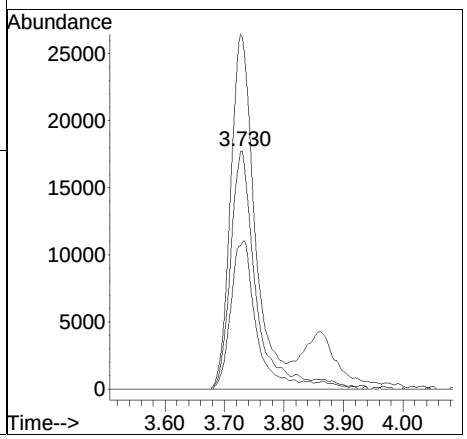


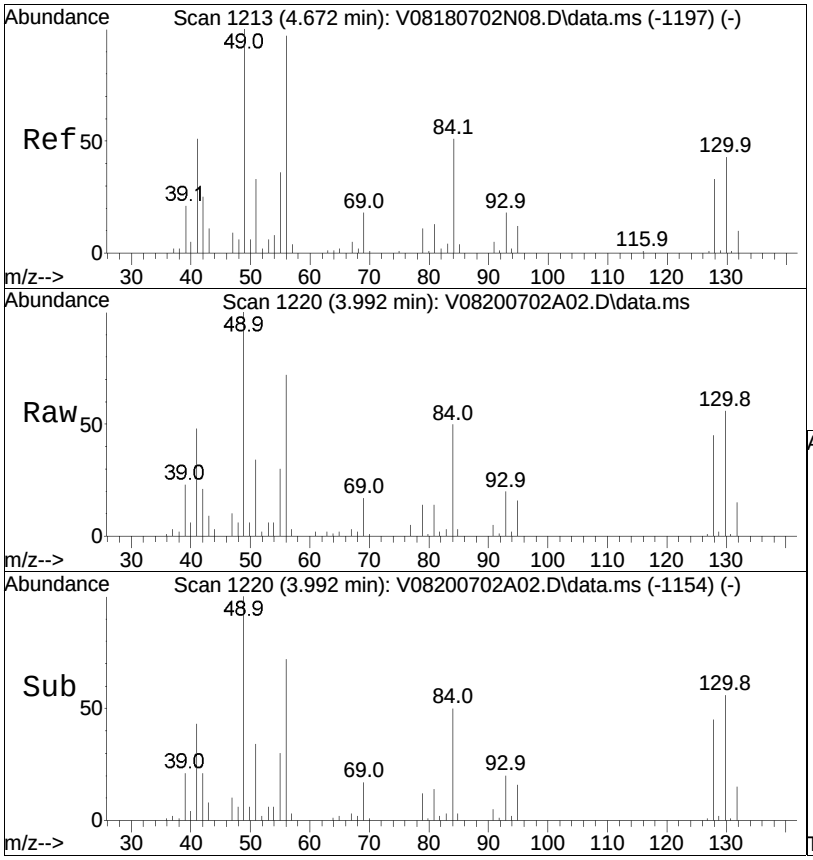


#28
cis-1,2-Dichloroethene
Concen: 8.90 ug/L M1
RT: 3.730 min Scan# 1126
Delta R.T. -0.008 min
Lab File: V08200702A02.D
Acq: 2 Jul 2020 7:20 am

Tgt Ion: 96 Resp: 54346

Ion	Ratio	Lower	Upper
96	100		
61	136.7	149.4	224.2#
98	58.9	53.4	80.2

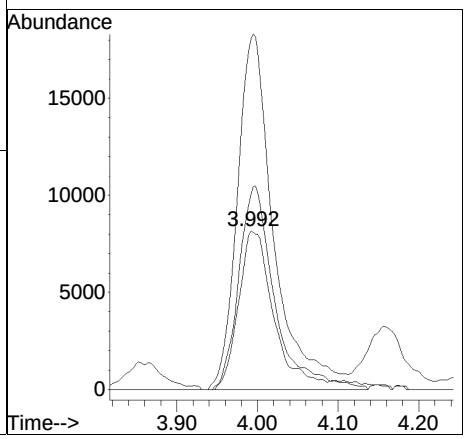


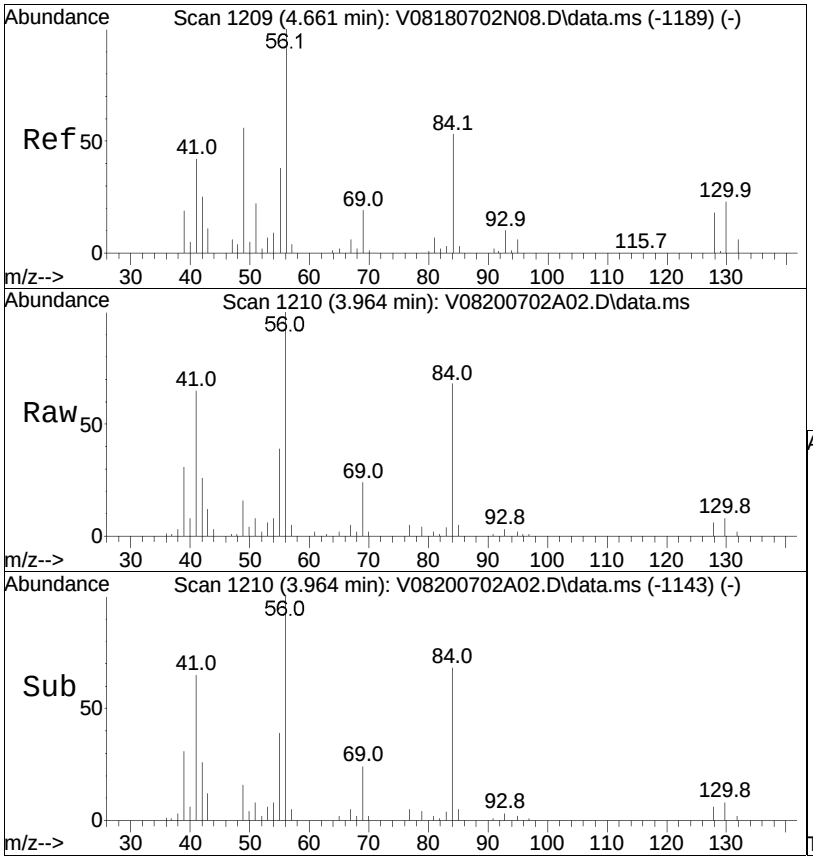


#30
Bromochloromethane
Concen: 9.11 ug/L M1
RT: 3.992 min Scan# 1220
Delta R.T. -0.017 min
Lab File: V08200702A02.D
Acq: 2 Jul 2020 7:20 am

Tgt Ion:128 Resp: 25695

Ion	Ratio	Lower	Upper
128	100		
49	224.2	223.0	334.4
130	123.8	111.4	167.0

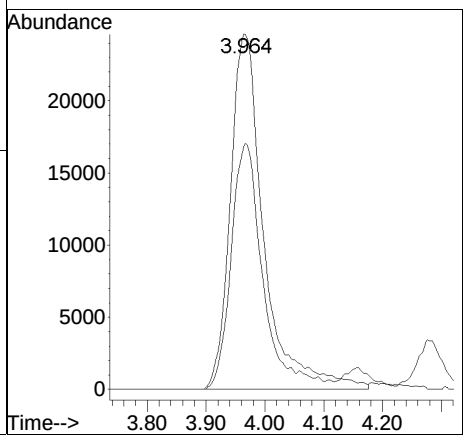


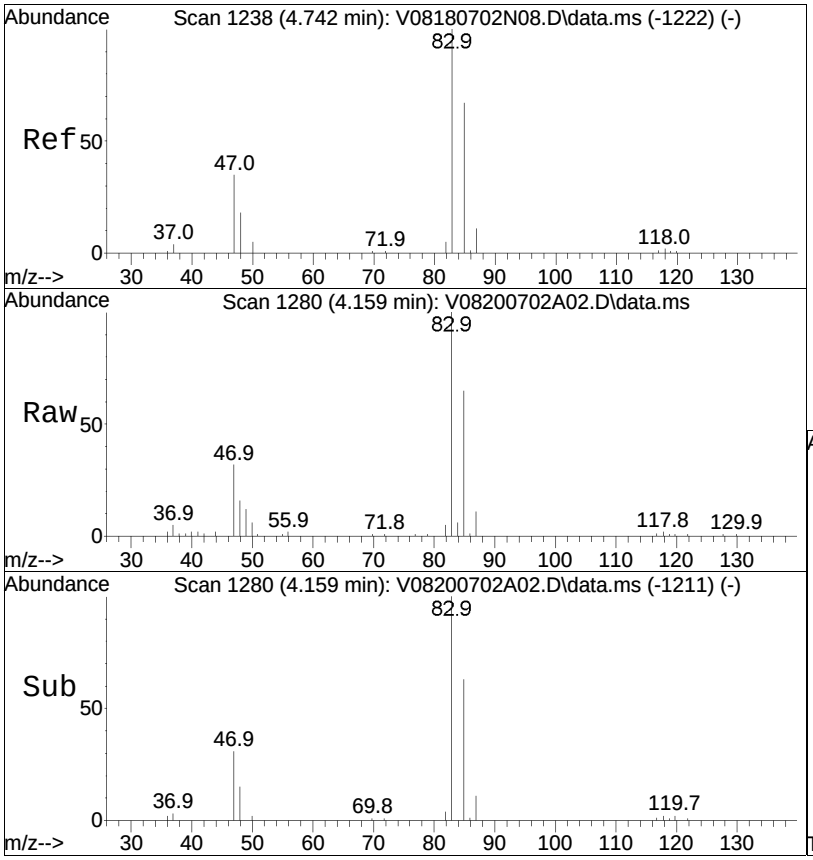


#31
Cyclohexane
Concen: 8.94 ug/L M1
RT: 3.964 min Scan# 1210
Delta R.T. -0.014 min
Lab File: V08200702A02.D
Acq: 2 Jul 2020 7:20 am

Tgt Ion: 56 Resp: 97694

Ion	Ratio	Lower	Upper
56	100		
84	61.6	38.4	79.8

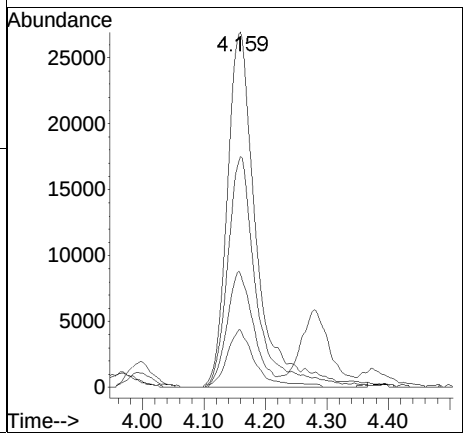


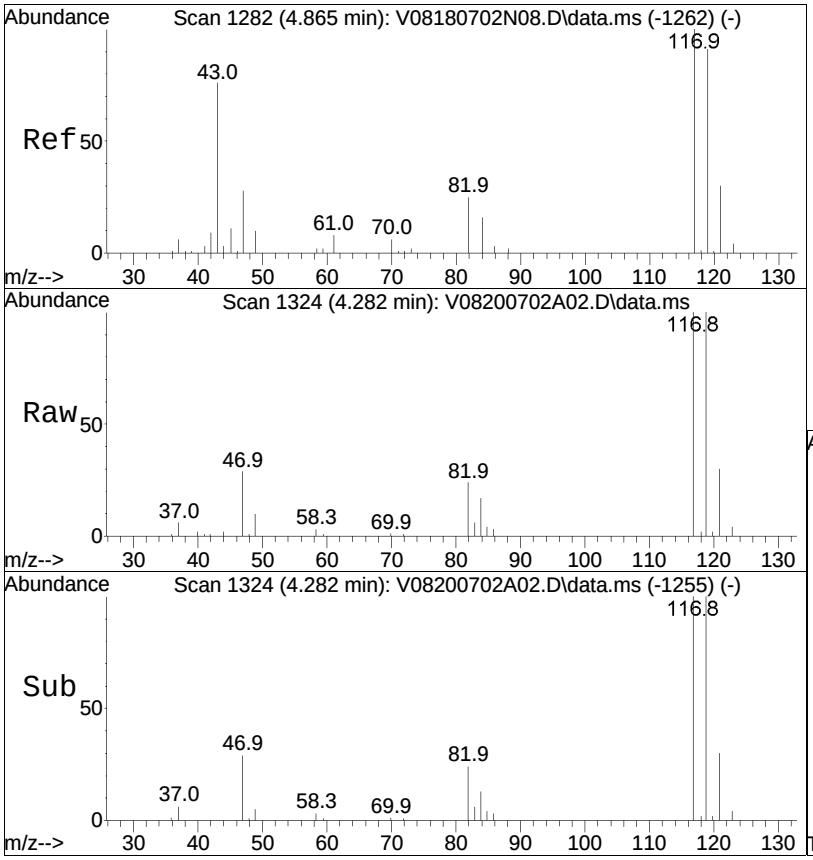


#32
Chloroform
Concen: 8.72 ug/L M1
RT: 4.159 min Scan# 1280
Delta R.T. -0.009 min
Lab File: V08200702A02.D
Acq: 2 Jul 2020 7:20 am

Tgt Ion: 83 Resp: 89675

Ion	Ratio	Lower	Upper
83	100		
85	59.6	41.5	86.1
47	29.6	19.0	39.4
48	15.1	9.9	20.5

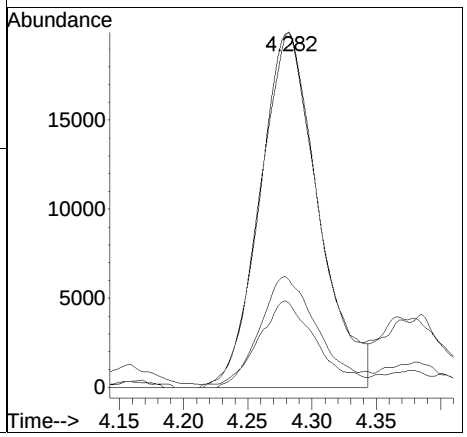


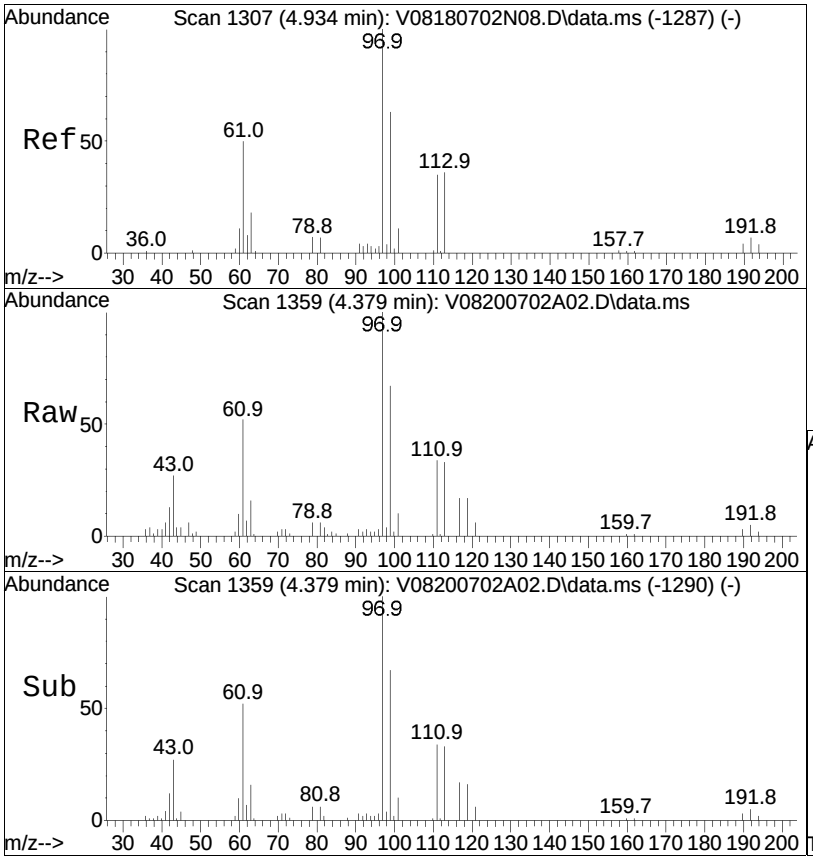


#34
Carbon tetrachloride
Concen: 8.76 ug/L
RT: 4.282 min Scan# 1324
Delta R.T. -0.008 min
Lab File: V08200702A02.D
Acq: 2 Jul 2020 7:20 am

Tgt Ion:117 Resp: 62576

Ion	Ratio	Lower	Upper
117	100		
119	100.4	62.4	129.6
121	31.0	19.5	40.5
82	22.8	17.0	35.4

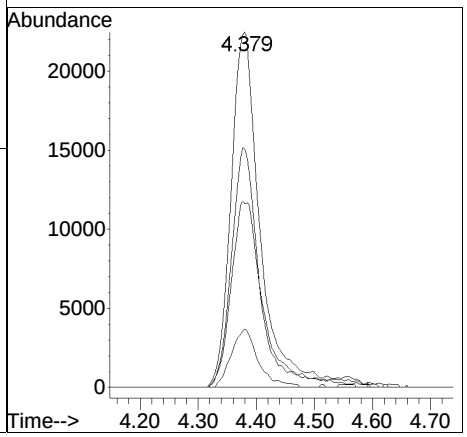


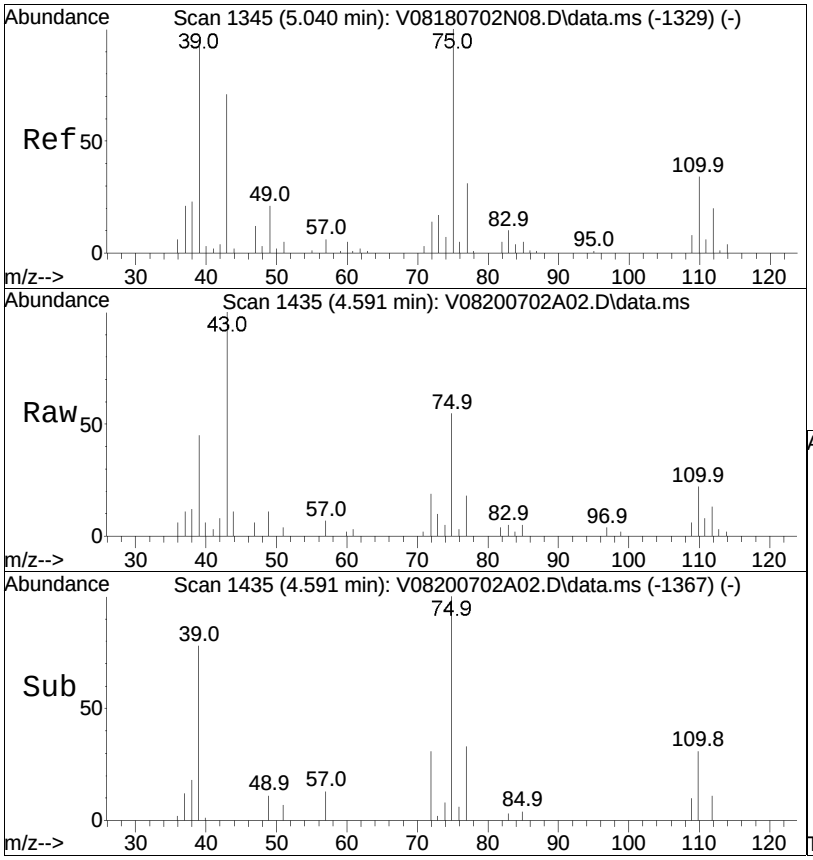


#37
1,1,1-Trichloroethane
Concen: 8.87 ug/L M1
RT: 4.379 min Scan# 1359
Delta R.T. -0.009 min
Lab File: V08200702A02.D
Acq: 2 Jul 2020 7:20 am

Tgt Ion: 97 Resp: 79890

Ion	Ratio	Lower	Upper
97	100		
99	60.2	40.7	84.5
61	54.0	35.4	73.4
63	15.0	5.0	10.4#

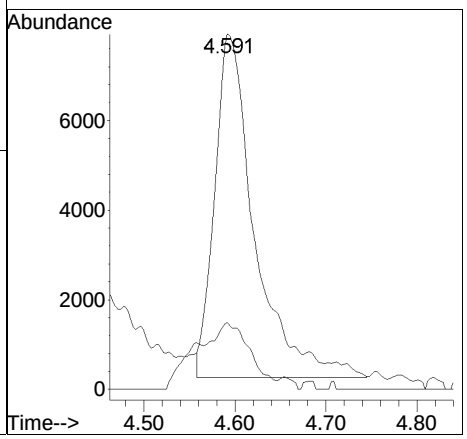


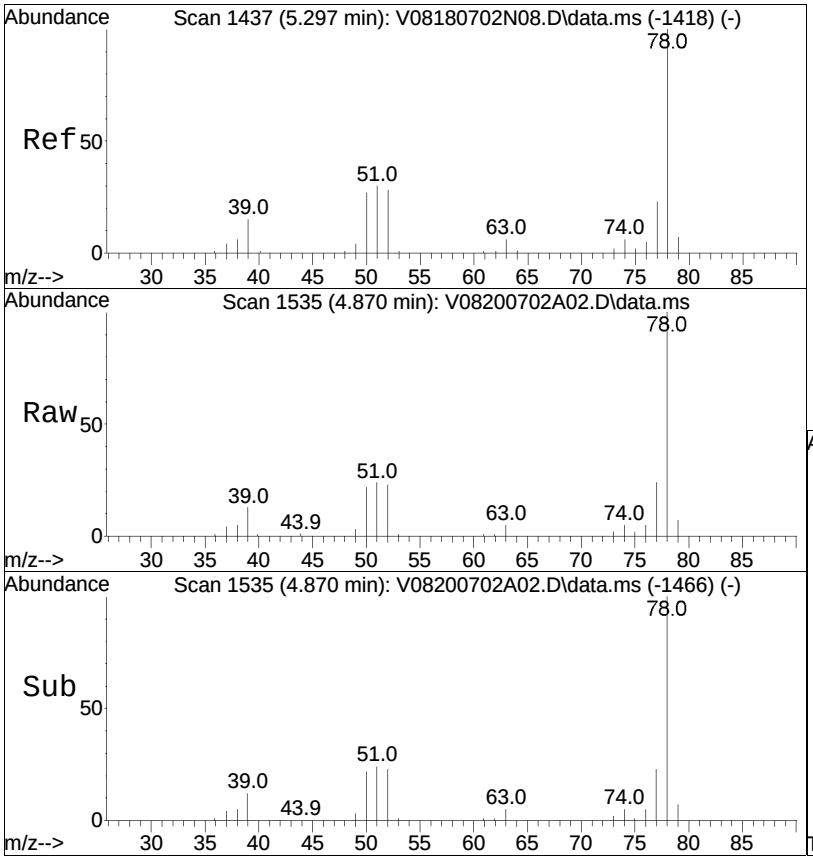


#39
2-Butanone
Concen: 9.14 ug/L M1
RT: 4.591 min Scan# 1435
Delta R.T. -0.012 min
Lab File: V08200702A02.D
Acq: 2 Jul 2020 7:20 am

Tgt Ion: 43 Resp: 23495

Ion	Ratio	Lower	Upper
43	100		
72	12.2	10.9	16.3

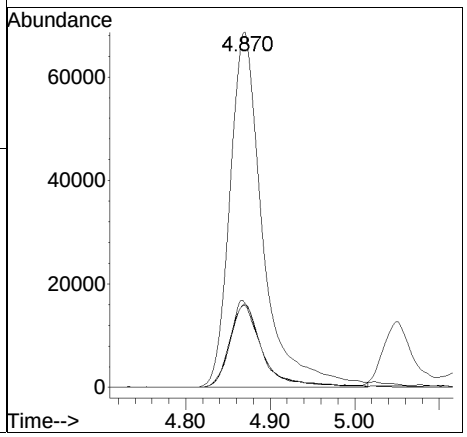


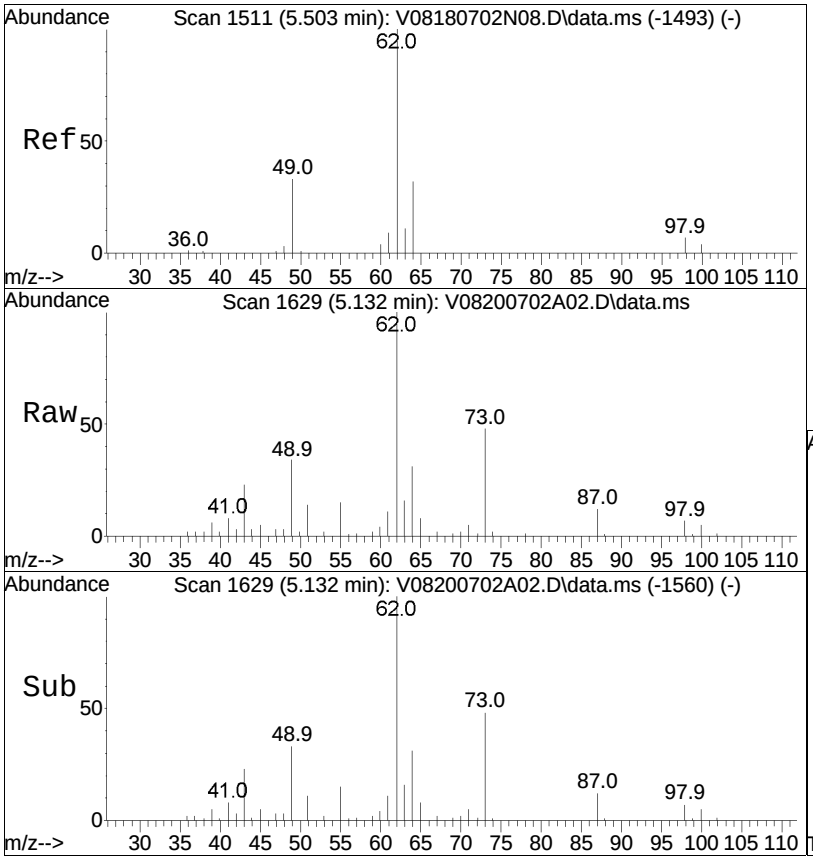


#41
Benzene
Concen: 8.79 ug/L
RT: 4.870 min Scan# 1535
Delta R.T. -0.009 min
Lab File: V08200702A02.D
Acq: 2 Jul 2020 7:20 am

Tgt Ion: 78 Resp: 186666

Ion	Ratio	Lower	Upper
78	100		
77	23.2	15.7	32.7
51	23.0	16.0	33.2
52	22.4	15.3	31.9

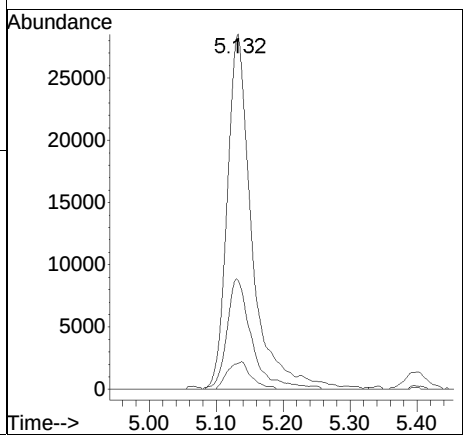


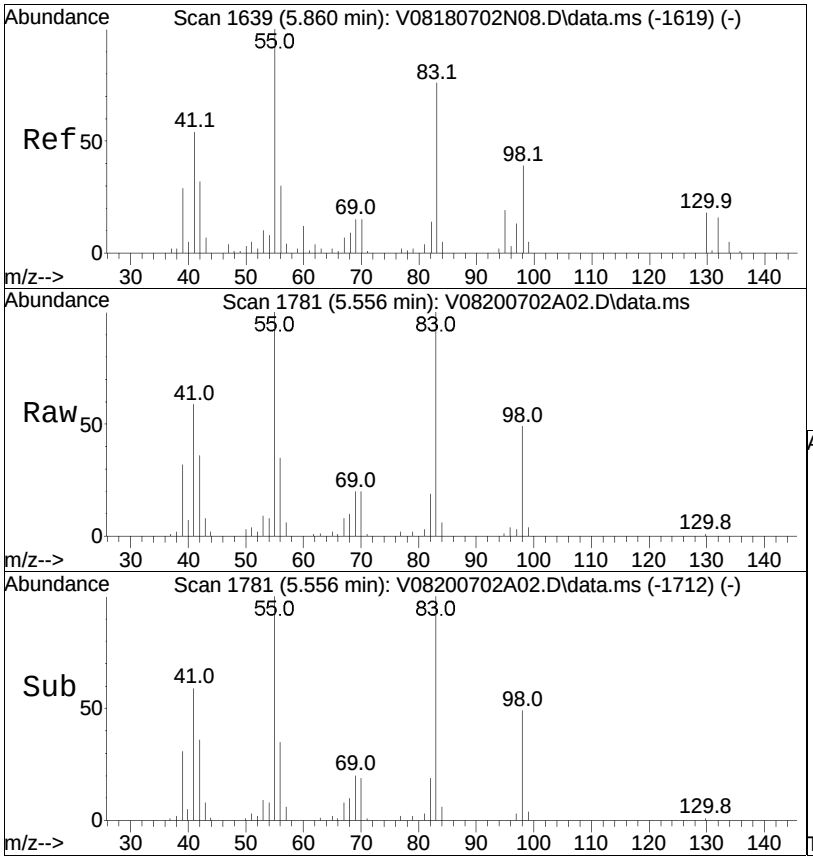


#44
1,2-Dichloroethane
Concen: 9.42 ug/L M1
RT: 5.132 min Scan# 1629
Delta R.T. -0.009 min
Lab File: V08200702A02.D
Acq: 2 Jul 2020 7:20 am

Tgt Ion: 62 Resp: 74048

Ion	Ratio	Lower	Upper
62	100		
64	31.1	11.2	51.2
98	7.3	0.0	26.1

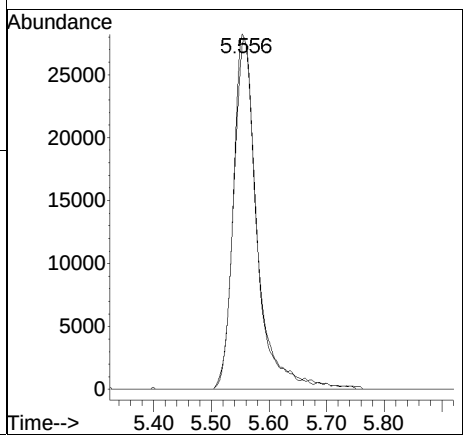


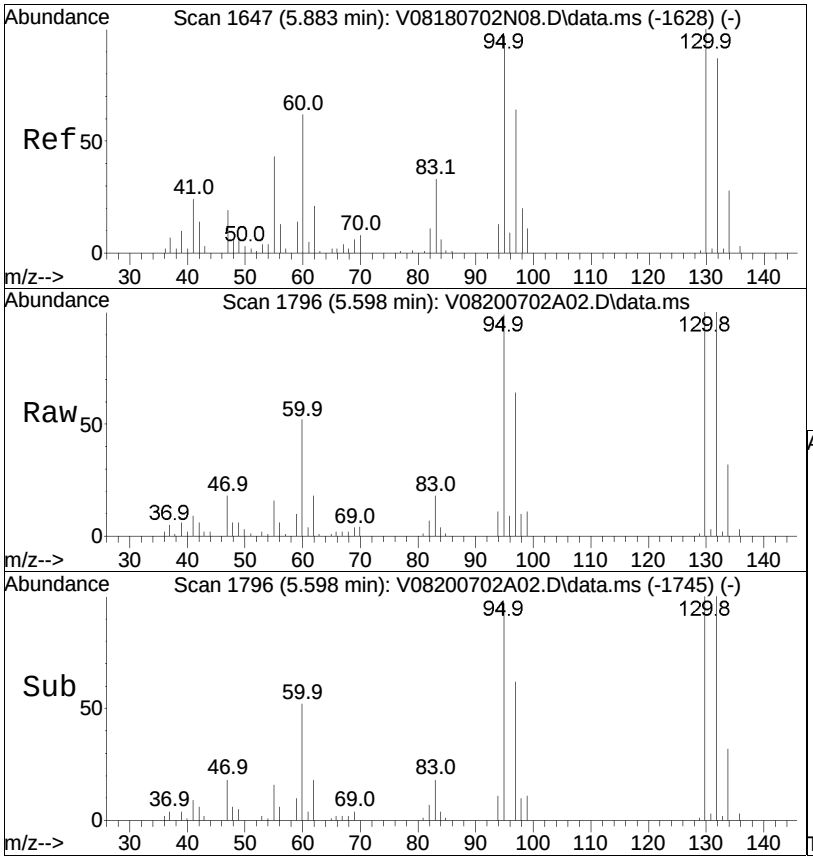


#47
Methyl cyclohexane
Concen: 8.50 ug/L M1
RT: 5.556 min Scan# 1781
Delta R.T. -0.009 min
Lab File: V08200702A02.D
Acq: 2 Jul 2020 7:20 am

Tgt Ion: 83 Resp: 79625

Ion	Ratio	Lower	Upper
83	100		
55	99.3	88.3	132.5

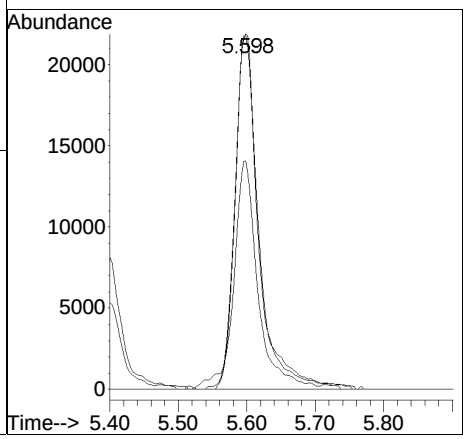


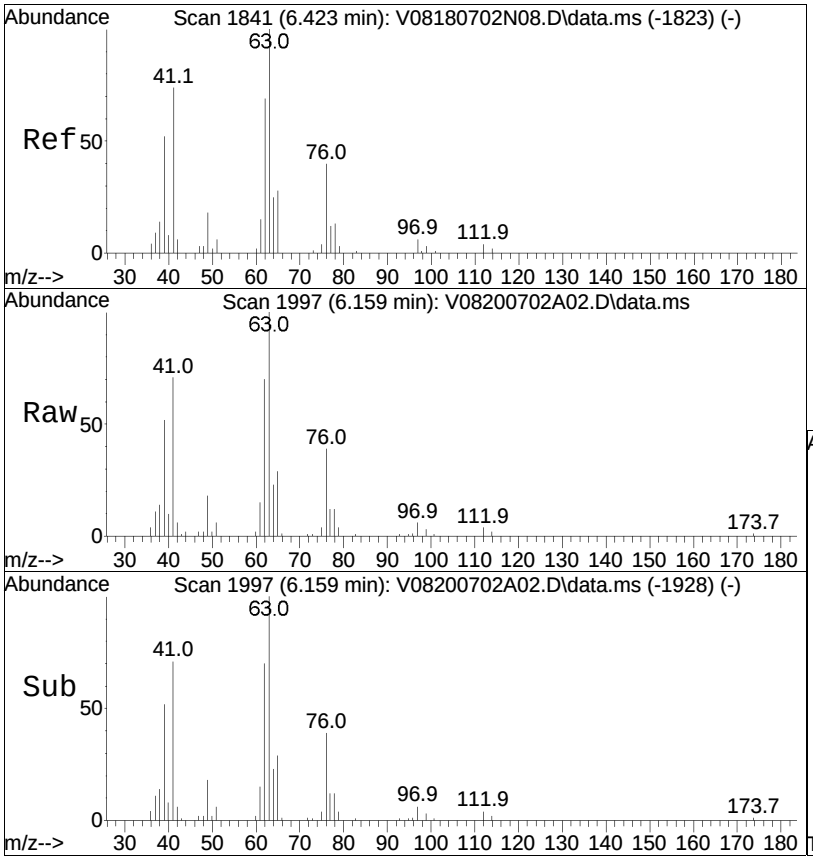


#48
Trichloroethene
Concen: 8.32 ug/L M1
RT: 5.598 min Scan# 1796
Delta R.T. -0.008 min
Lab File: V08200702A02.D
Acq: 2 Jul 2020 7:20 am

Tgt Ion: 95 Resp: 52987

Ion	Ratio	Lower	Upper
95	100		
97	64.9	55.5	83.3
130	100.5	76.6	115.0

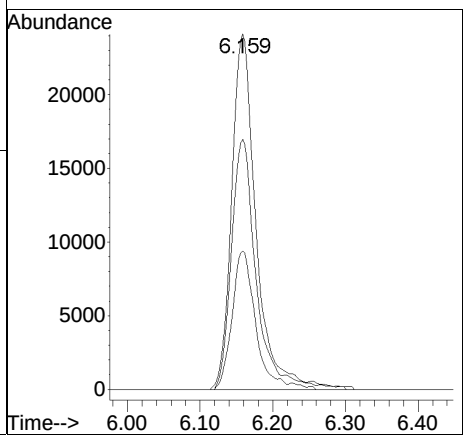


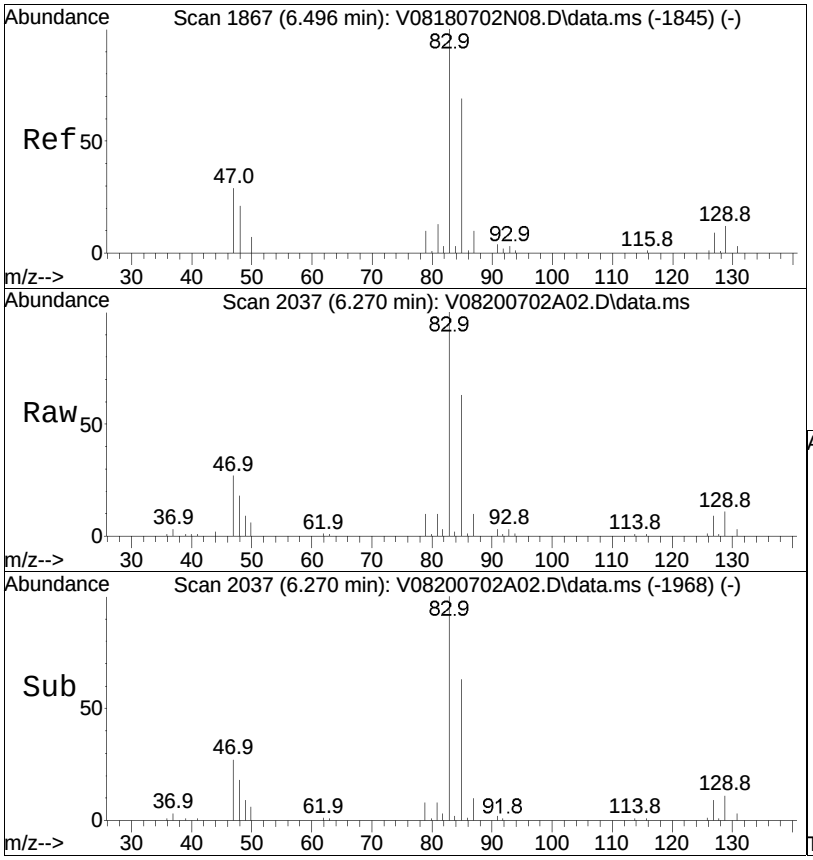


#51
1,2-Dichloropropane
Concen: 8.85 ug/L M1
RT: 6.159 min Scan# 1997
Delta R.T. -0.008 min
Lab File: V08200702A02.D
Acq: 2 Jul 2020 7:20 am

Tgt Ion: 63 Resp: 56521

Ion	Ratio	Lower	Upper
63	100		
62	67.6	58.6	87.8
76	36.9	38.0	57.0#

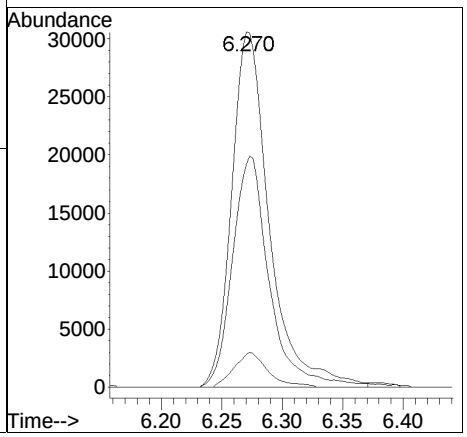


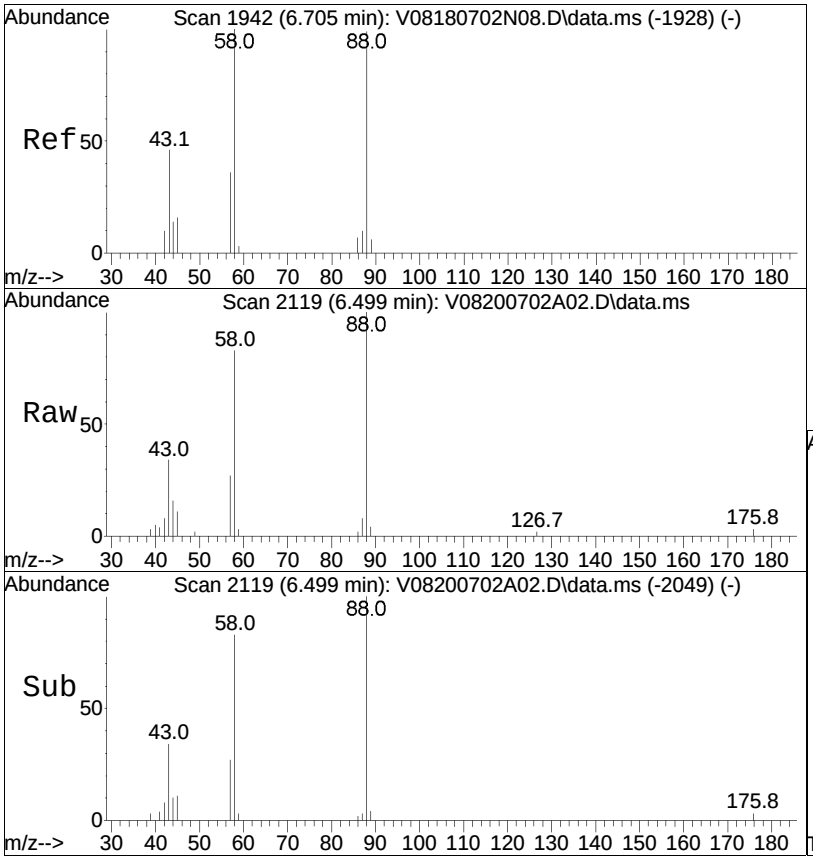


#54
Bromodichloromethane
Concen: 8.05 ug/L
RT: 6.270 min Scan# 2037
Delta R.T. -0.009 min
Lab File: V08200702A02.D
Acq: 2 Jul 2020 7:20 am

Tgt Ion: 83 Resp: 66552

Ion	Ratio	Lower	Upper
83	100		
85	63.5	52.3	78.5
127	9.0	6.2	9.4

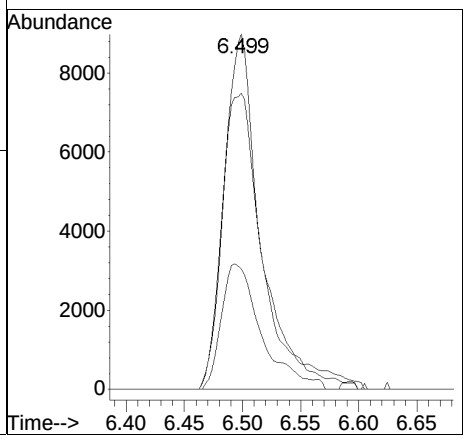


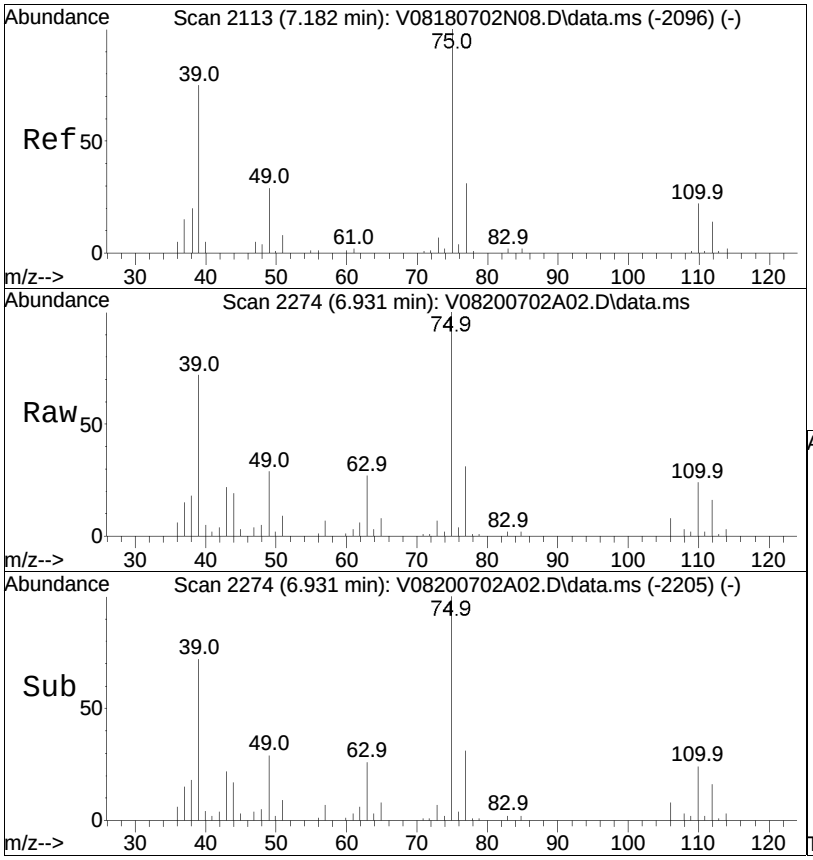


#57
1,4-Dioxane
Concen: 474.55 ug/L
RT: 6.499 min Scan# 2119
Delta R.T. -0.005 min
Lab File: V08200702A02.D
Acq: 2 Jul 2020 7:20 am

Tgt Ion: 88 Resp: 20279

Ion	Ratio	Lower	Upper
88	100		
58	88.4	76.7	115.1
43	37.7	36.2	54.2

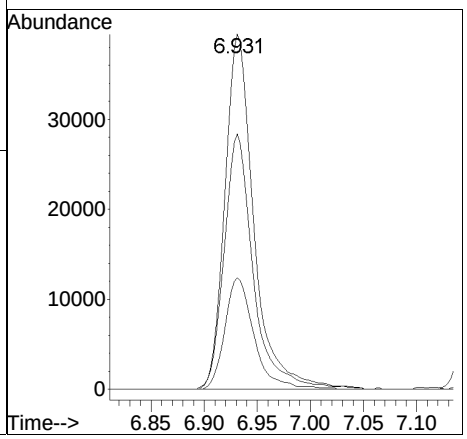


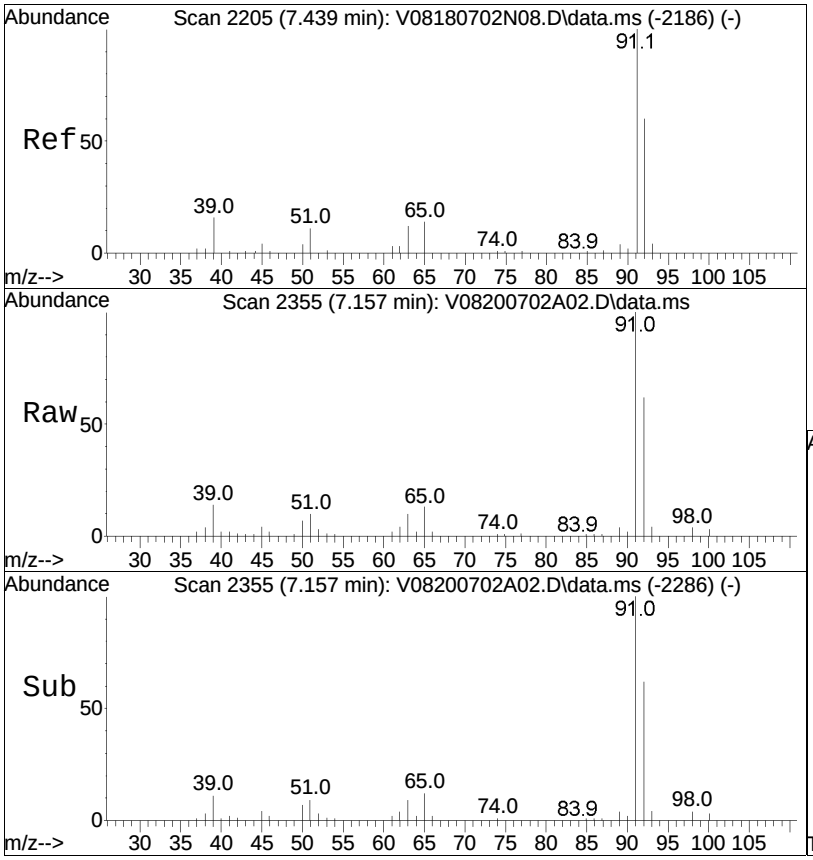


#58
cis-1,3-Dichloropropene
Concen: 8.18 ug/L
RT: 6.931 min Scan# 2274
Delta R.T. -0.008 min
Lab File: V08200702A02.D
Acq: 2 Jul 2020 7:20 am

Tgt Ion: 75 Resp: 75313

Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.0	37.4
39	71.9	50.1	75.1

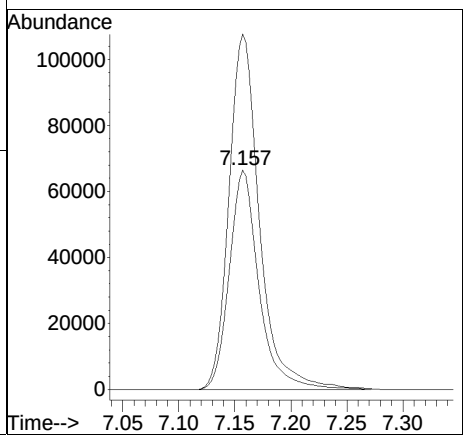


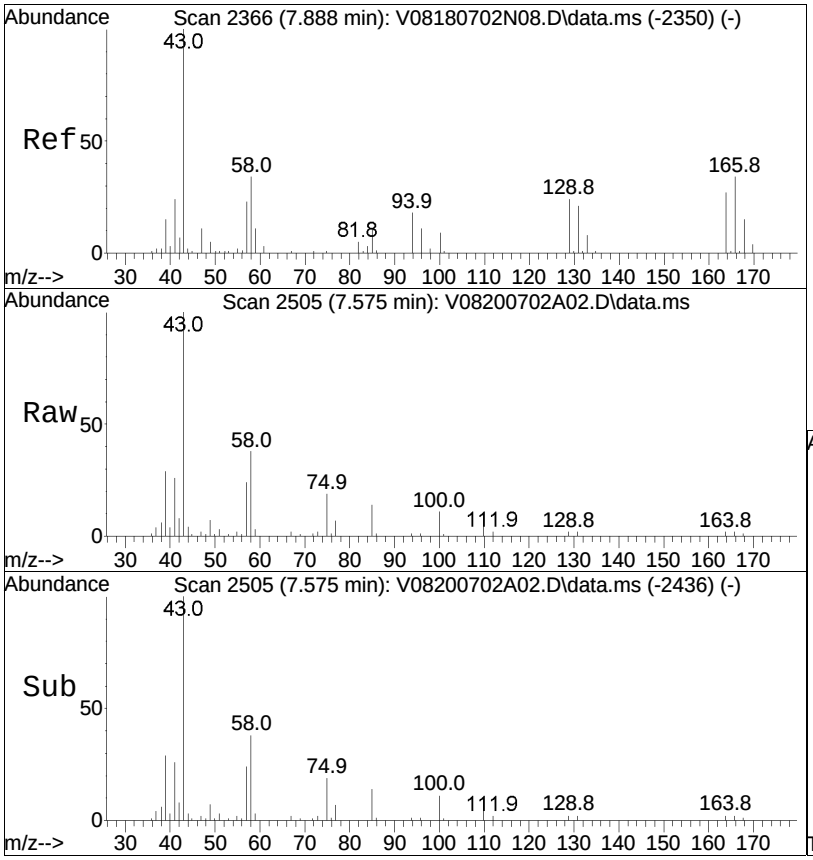


#61
Toluene
Concen: 9.53 ug/L
RT: 7.157 min Scan# 2355
Delta R.T. -0.008 min
Lab File: V08200702A02.D
Acq: 2 Jul 2020 7:20 am

Tgt Ion: 92 Resp: 122358

Ion	Ratio	Lower	Upper
92	100		
91	166.9	139.8	209.6

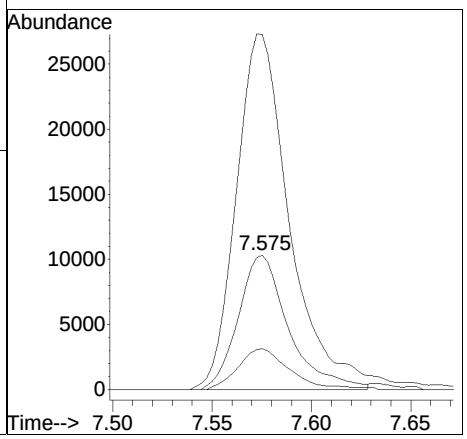


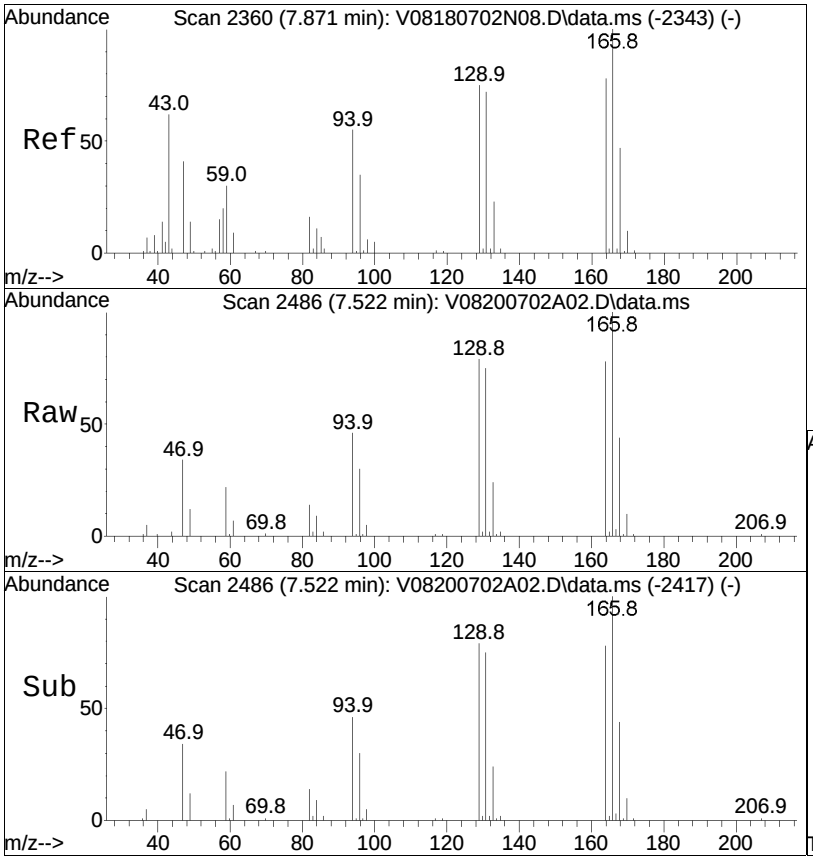


#62
4-Methyl-2-pentanone
Concen: 7.90 ug/L
RT: 7.575 min Scan# 2505
Delta R.T. -0.009 min
Lab File: V08200702A02.D
Acq: 2 Jul 2020 7:20 am

Tgt Ion: 58 Resp: 18161

Ion	Ratio	Lower	Upper
58	100		
100	31.3	20.2	30.2#
43	285.5	196.6	295.0

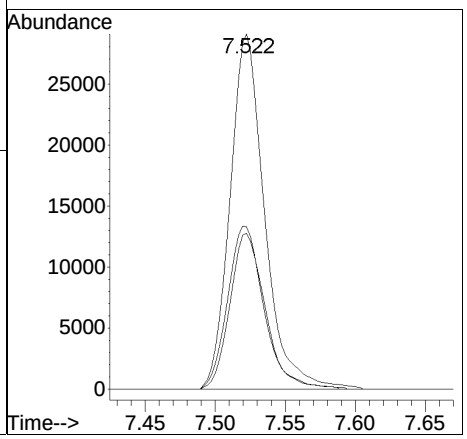


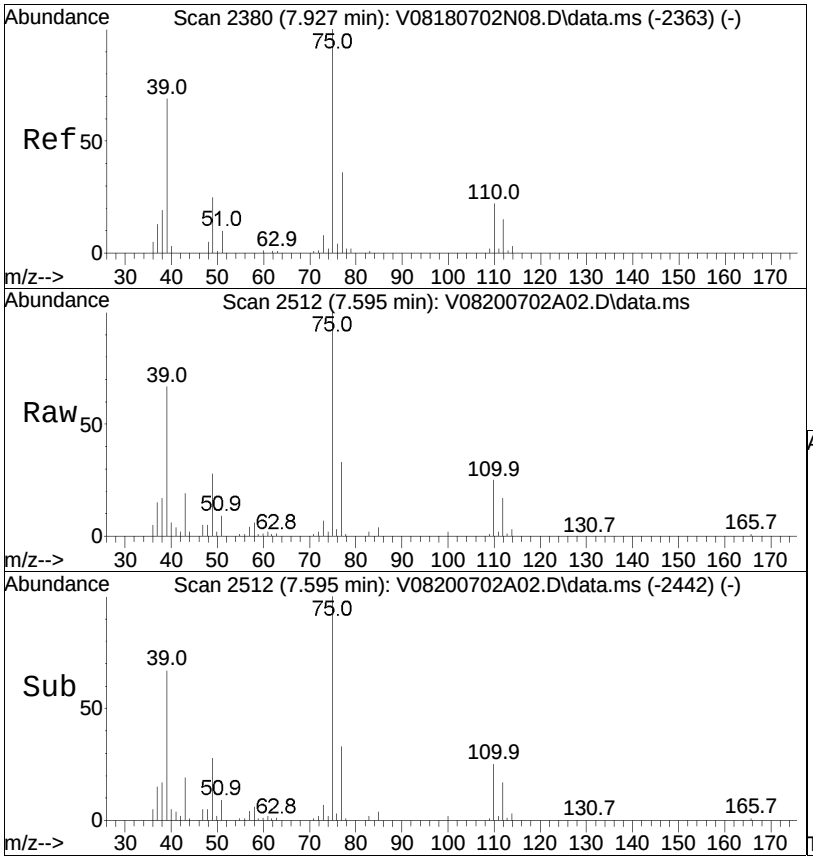


#63
Tetrachloroethene
Concen: 9.39 ug/L
RT: 7.522 min Scan# 2486
Delta R.T. -0.009 min
Lab File: V08200702A02.D
Acq: 2 Jul 2020 7:20 am

Tgt Ion:166 Resp: 50130

Ion	Ratio	Lower	Upper
166	100		
168	45.1	28.2	68.2
94	48.2	38.4	78.4

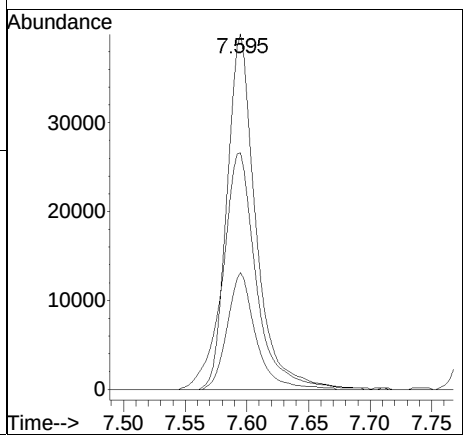


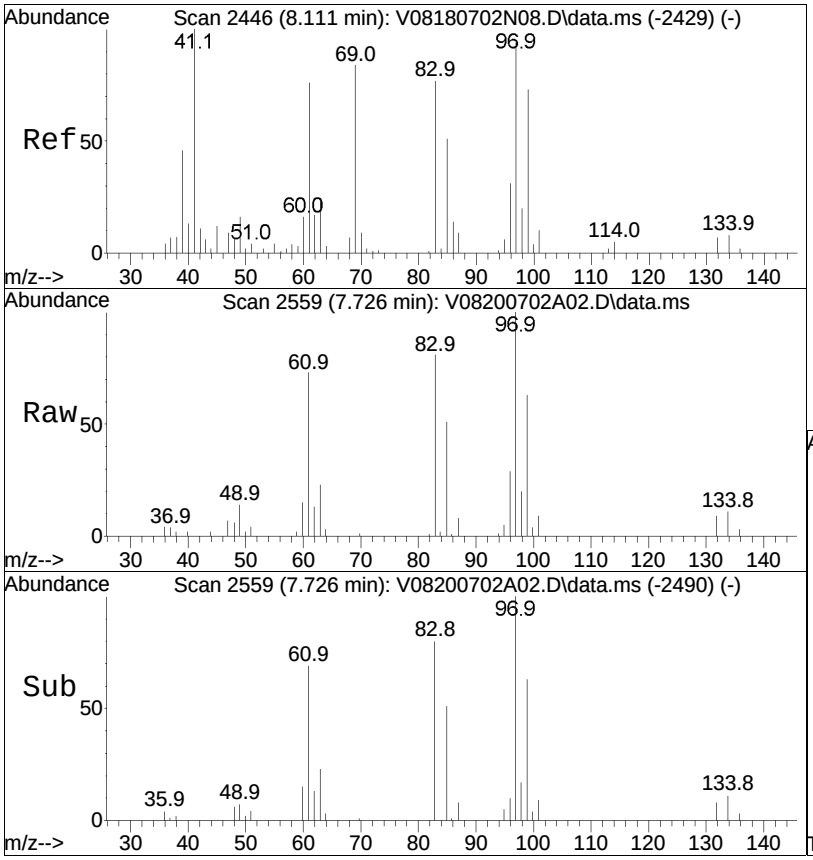


#65
trans-1,3-Dichloropropene
Concen: 8.72 ug/L
RT: 7.595 min Scan# 2512
Delta R.T. -0.005 min
Lab File: V08200702A02.D
Acq: 2 Jul 2020 7:20 am

Tgt Ion: 75 Resp: 65244

Ion	Ratio	Lower	Upper
75	100		
77	32.5	12.4	52.4
39	77.6	42.8	82.8

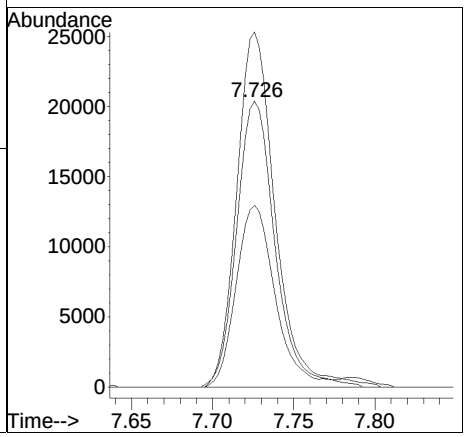


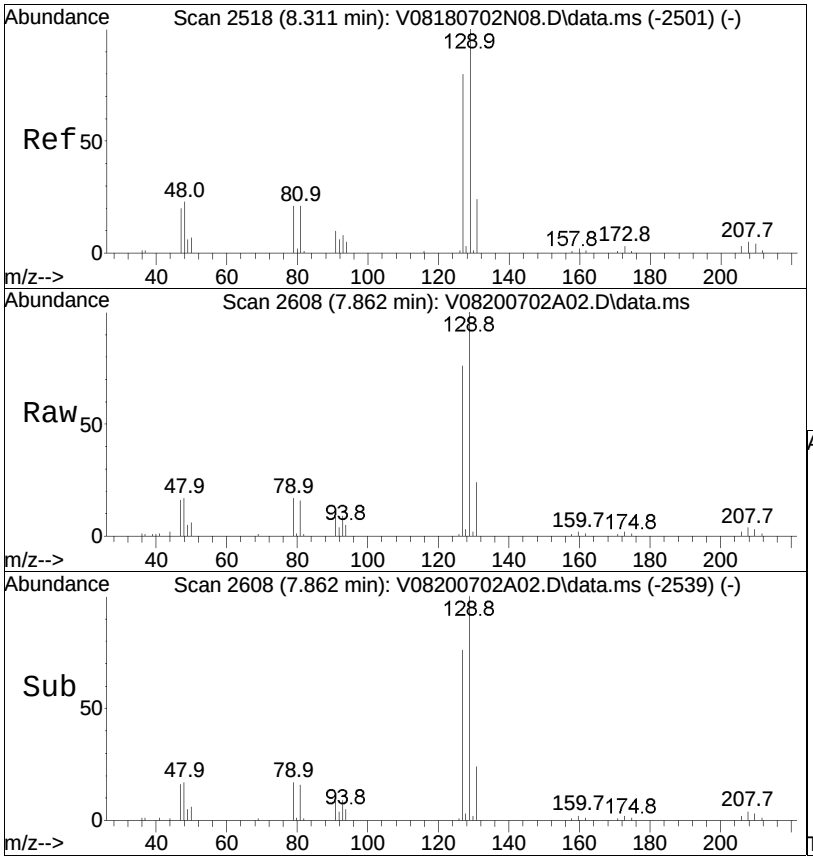


#68
1,1,2-Trichloroethane
Concen: 8.76 ug/L
RT: 7.726 min Scan# 2559
Delta R.T. -0.008 min
Lab File: V08200702A02.D
Acq: 2 Jul 2020 7:20 am

Tgt Ion: 83 Resp: 33732

Ion	Ratio	Lower	Upper
83	100		
97	124.4	89.8	129.8
85	65.1	44.4	84.4

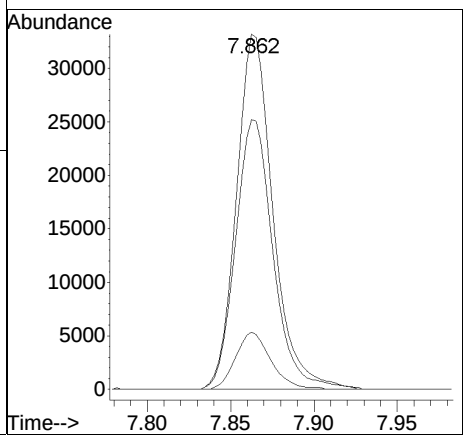


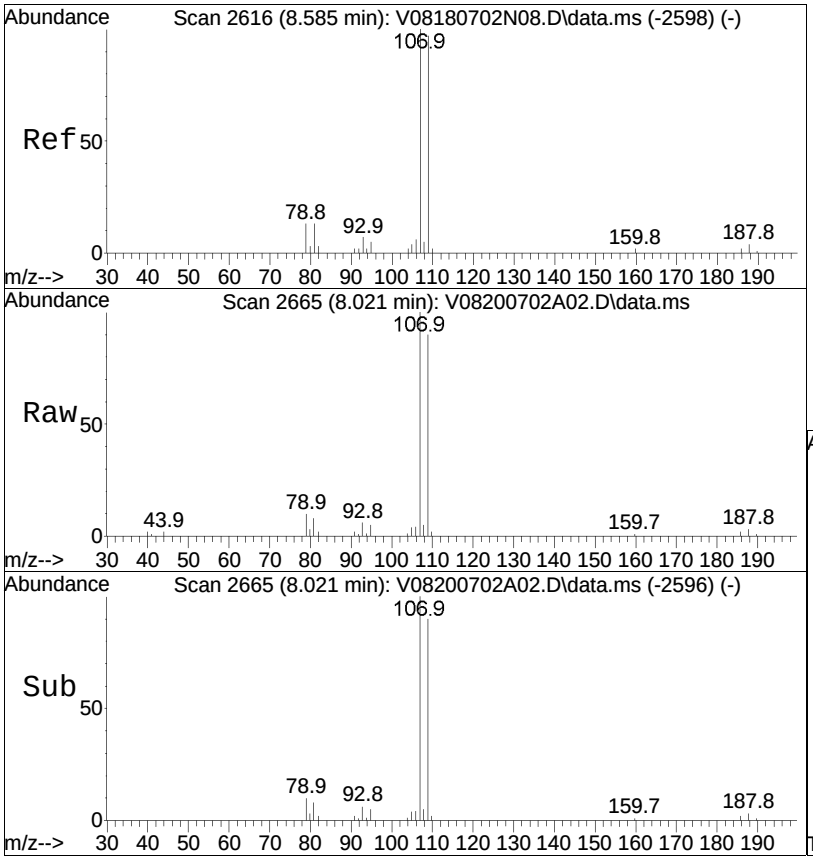


#69
Chlorodibromomethane
Concen: 8.95 ug/L
RT: 7.862 min Scan# 2608
Delta R.T. -0.009 min
Lab File: V08200702A02.D
Acq: 2 Jul 2020 7:20 am

Tgt Ion:129 Resp: 50780

Ion	Ratio	Lower	Upper
129	100		
81	15.6	2.9	42.9
127	77.9	57.8	97.8

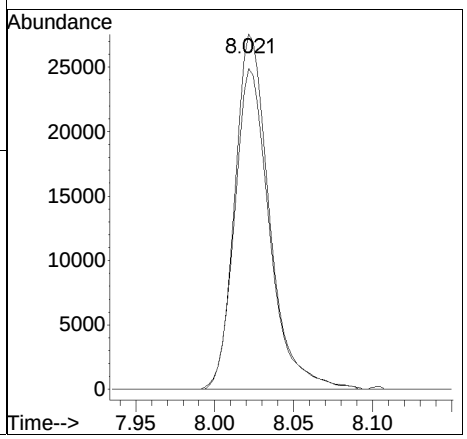


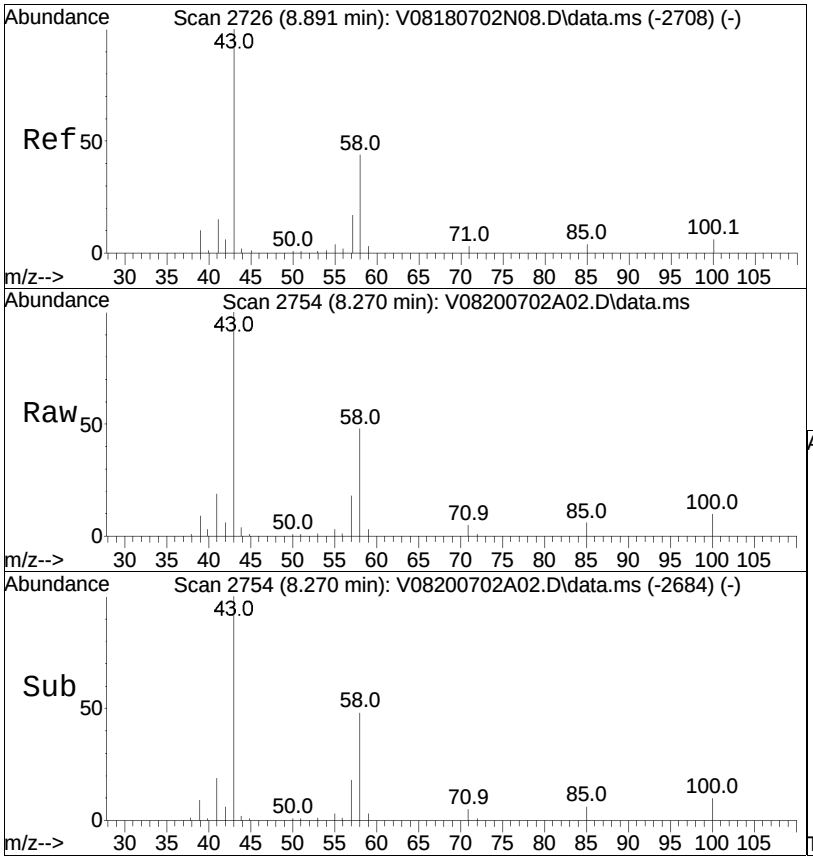


#71
1,2-Dibromoethane
Concen: 9.16 ug/L
RT: 8.021 min Scan# 2665
Delta R.T. -0.009 min
Lab File: V08200702A02.D
Acq: 2 Jul 2020 7:20 am

Tgt Ion:107 Resp: 42232

Ion	Ratio	Lower	Upper
107	100		
109	91.3	74.3	111.5

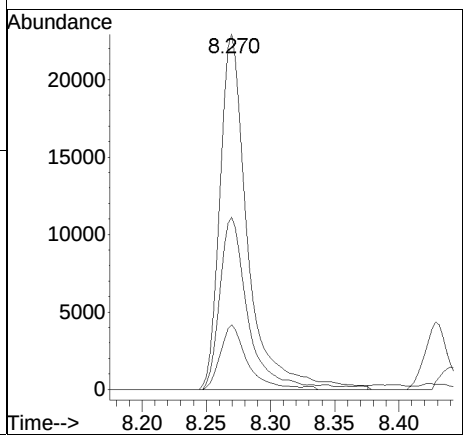


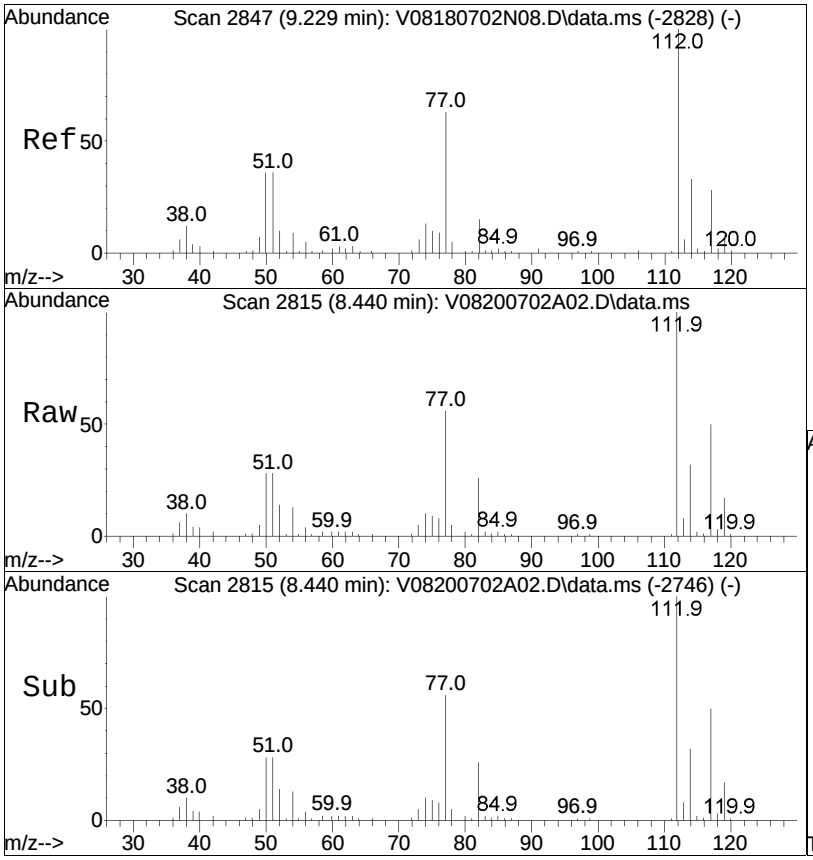


#72
2-Hexanone
Concen: 8.57 ug/L
RT: 8.270 min Scan# 2754
Delta R.T. -0.005 min
Lab File: V08200702A02.D
Acq: 2 Jul 2020 7:20 am

Tgt Ion: 43 Resp: 34602

Ion	Ratio	Lower	Upper
43	100		
58	48.3	41.2	61.8
57	17.5	17.2	25.8

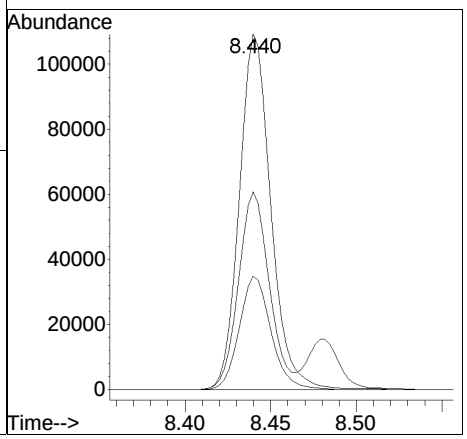


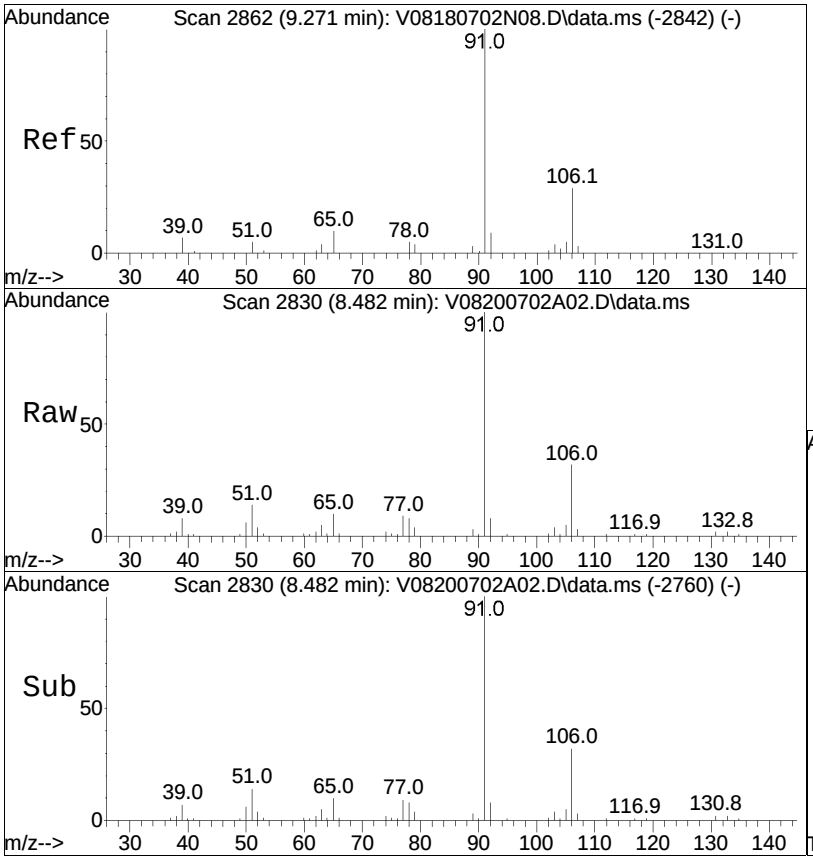


#73
Chlorobenzene
Concen: 9.66 ug/L
RT: 8.440 min Scan# 2815
Delta R.T. -0.008 min
Lab File: V08200702A02.D
Acq: 2 Jul 2020 7:20 am

Tgt Ion:112 Resp: 139689

Ion	Ratio	Lower	Upper
112	100		
77	54.8	55.4	83.0#
114	32.0	25.4	38.2

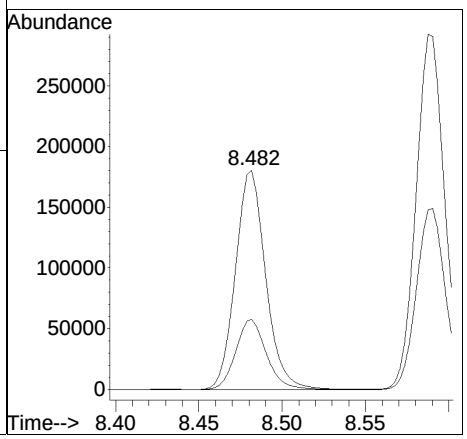


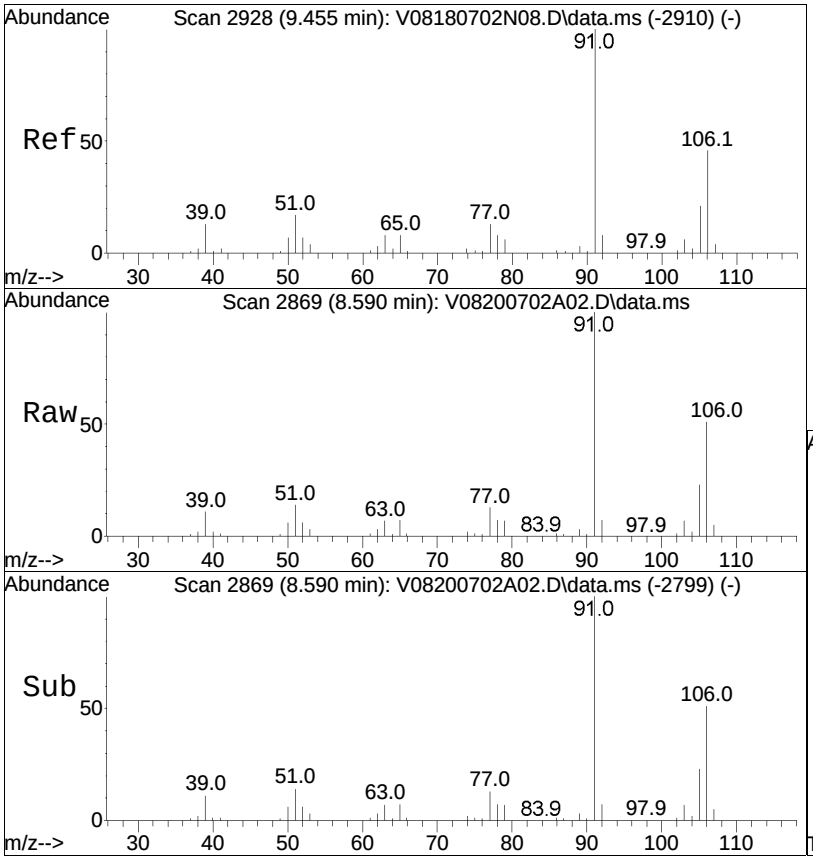


#74
Ethylbenzene
Concen: 9.67 ug/L
RT: 8.482 min Scan# 2830
Delta R.T. -0.005 min
Lab File: V08200702A02.D
Acq: 2 Jul 2020 7:20 am

Tgt Ion: 91 Resp: 227722

Ion	Ratio	Lower	Upper
91	100		
106	32.2	24.3	36.5

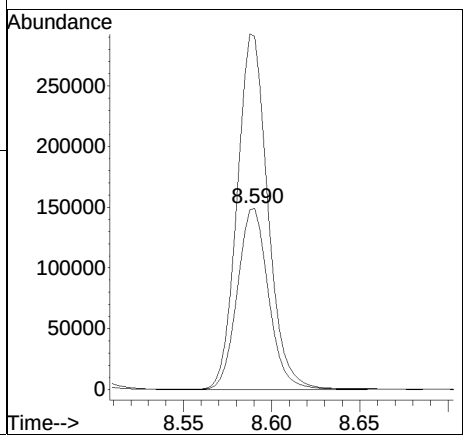


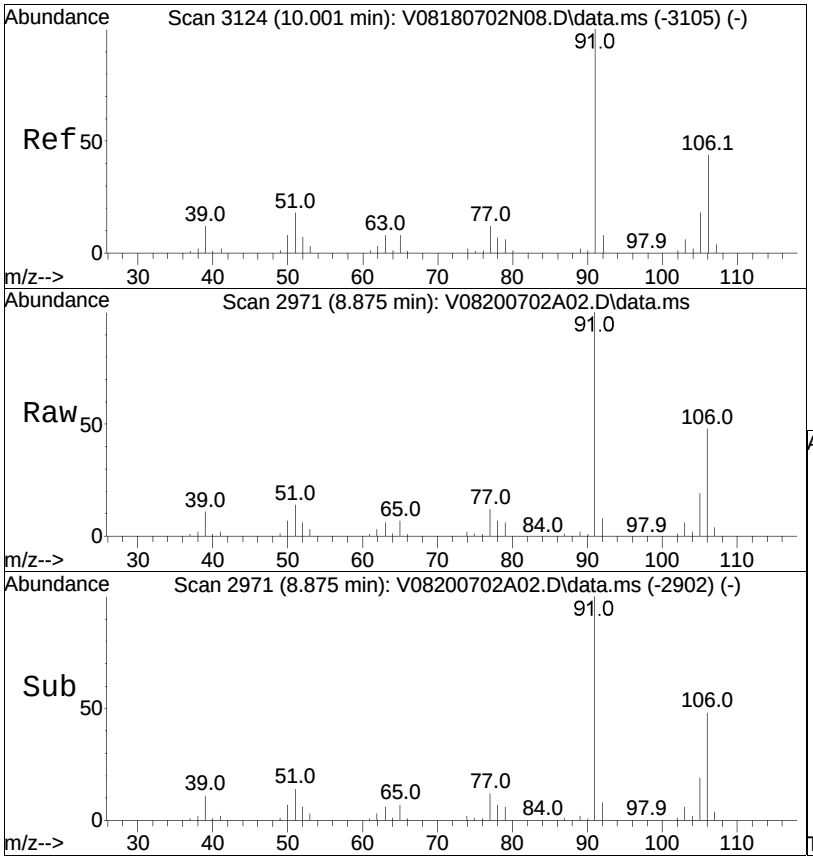


#76
p/m Xylene
Concen: 19.41 ug/L
RT: 8.590 min Scan# 2869
Delta R.T. -0.006 min
Lab File: V08200702A02.D
Acq: 2 Jul 2020 7:20 am

Tgt Ion:106 Resp: 183653

Ion	Ratio	Lower	Upper
106	100		
91	192.8	166.4	249.6

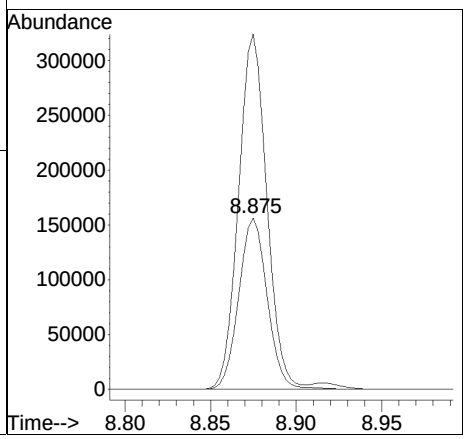


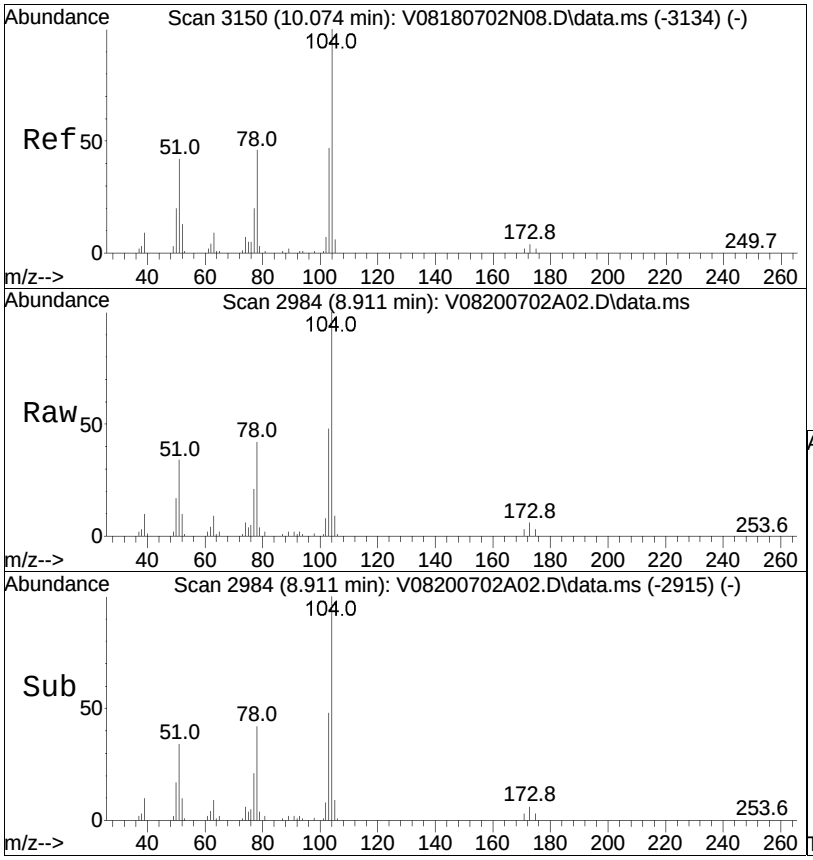


#77
o Xylene
Concen: 19.66 ug/L
RT: 8.875 min Scan# 2971
Delta R.T. -0.008 min
Lab File: V08200702A02.D
Acq: 2 Jul 2020 7:20 am

Tgt Ion:106 Resp: 181396

Ion	Ratio	Lower	Upper
106	100		
91	204.0	182.6	273.8

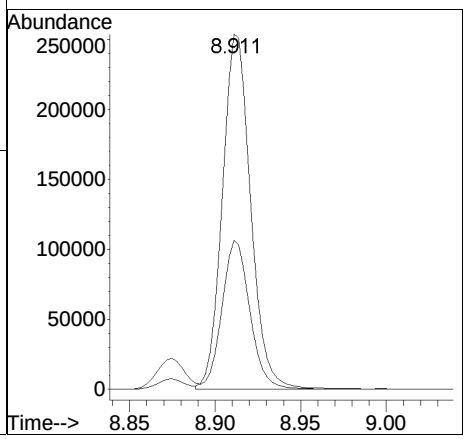


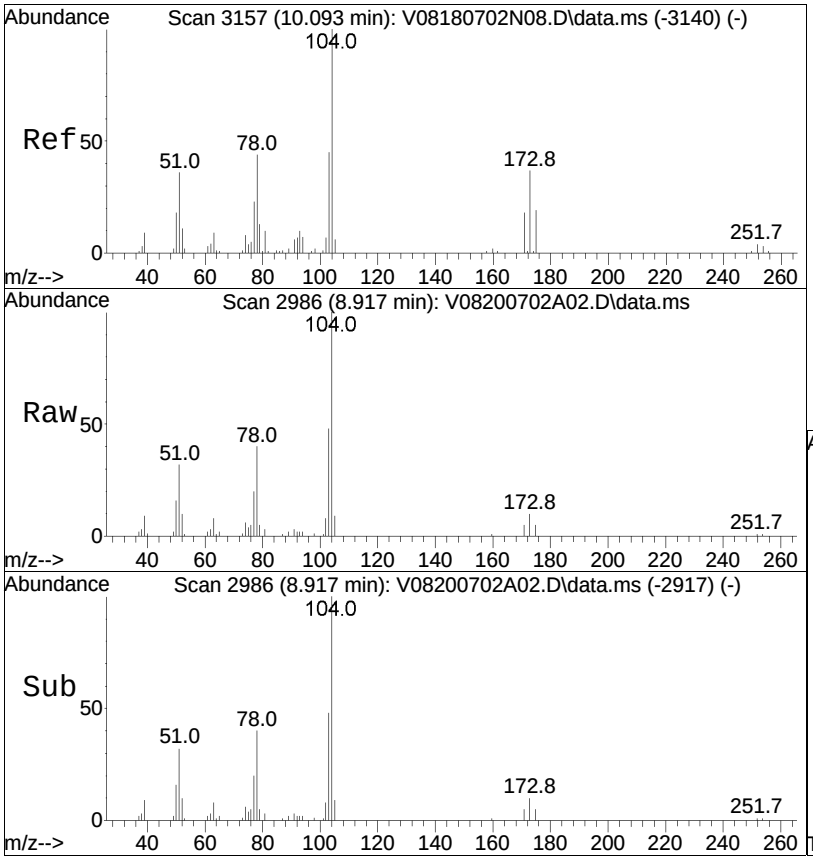


#78
Styrene
Concen: 19.12 ug/L
RT: 8.911 min Scan# 2984
Delta R.T. -0.008 min
Lab File: V08200702A02.D
Acq: 2 Jul 2020 7:20 am

Tgt Ion:104 Resp: 291027

Ion	Ratio	Lower	Upper
104	100		
78	41.1	39.8	59.6

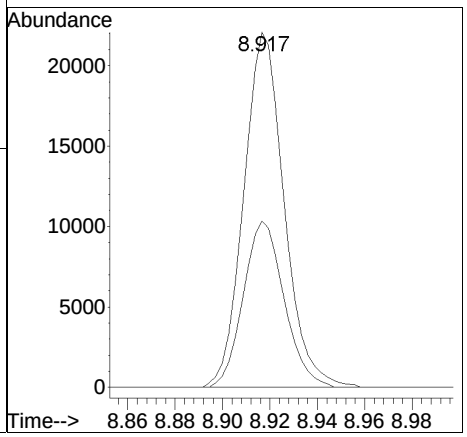


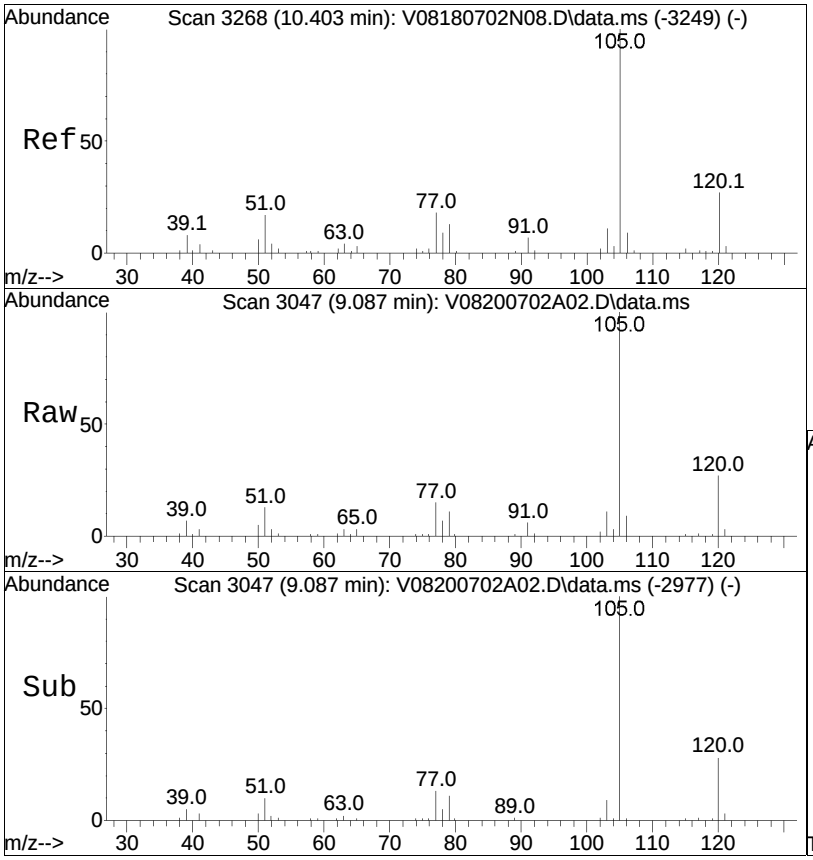


#80
Bromoform
Concen: 8.60 ug/L
RT: 8.917 min Scan# 2986
Delta R.T. -0.008 min
Lab File: V08200702A02.D
Acq: 2 Jul 2020 7:20 am

Tgt Ion:173 Resp: 26160

Ion	Ratio	Lower	Upper
173	100		
175	47.2	31.5	71.5

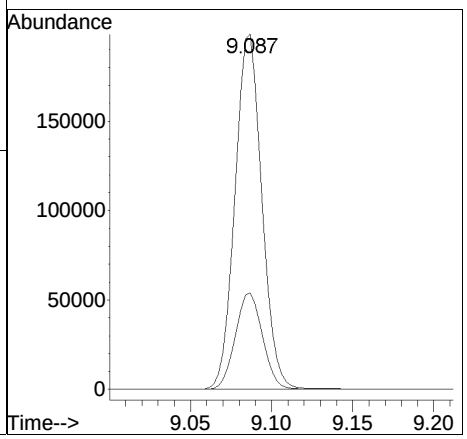


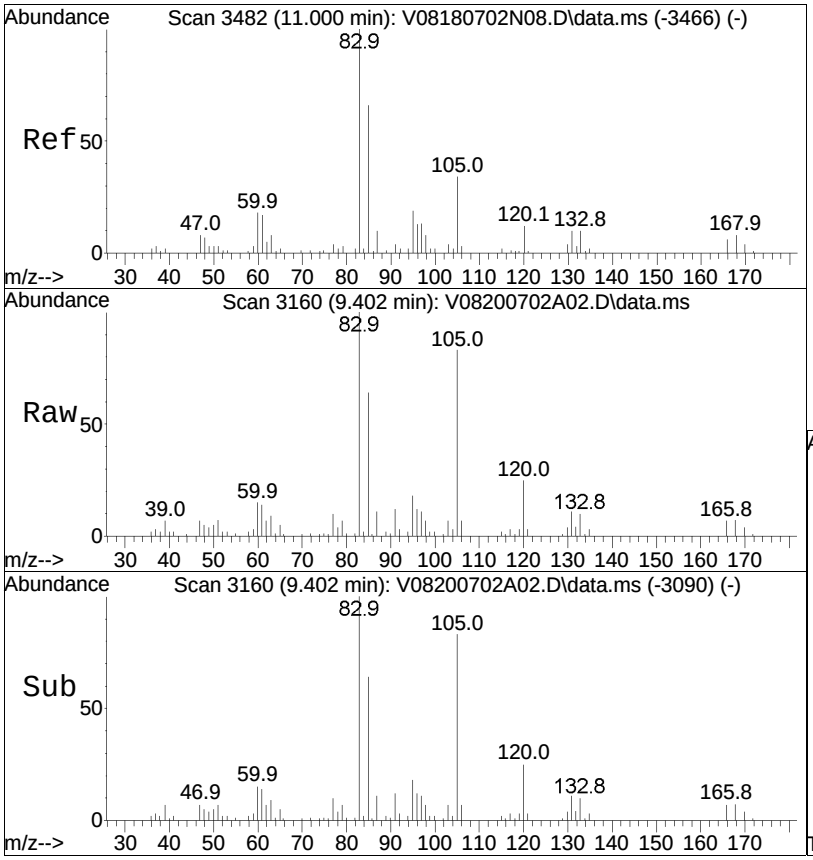


#82
Isopropylbenzene
Concen: 9.80 ug/L
RT: 9.087 min Scan# 3047
Delta R.T. -0.005 min
Lab File: V08200702A02.D
Acq: 2 Jul 2020 7:20 am

Tgt Ion:105 Resp: 229255

Ion	Ratio	Lower	Upper
105	100		
120	27.4	4.8	44.8

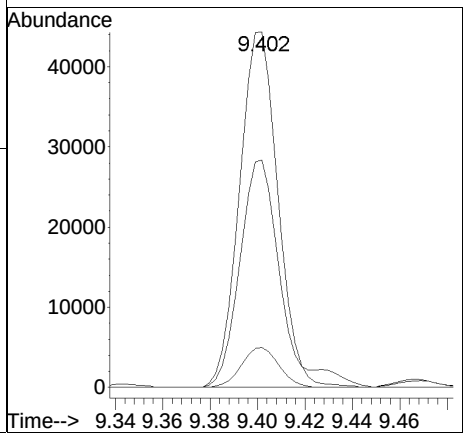


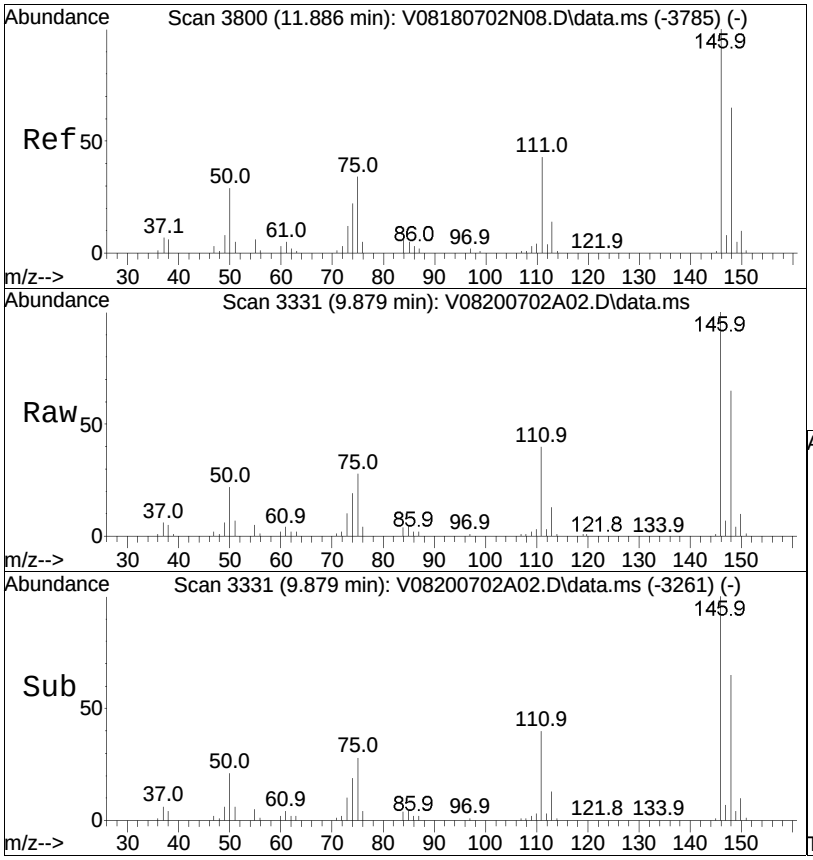


#87
1,1,2,2-Tetrachloroethane
Concen: 8.83 ug/L
RT: 9.402 min Scan# 3160
Delta R.T. -0.005 min
Lab File: V08200702A02.D
Acq: 2 Jul 2020 7:20 am

Tgt Ion: 83 Resp: 50098

Ion	Ratio	Lower	Upper
83	100		
131	10.9	0.0	30.4
85	67.9	45.4	85.4

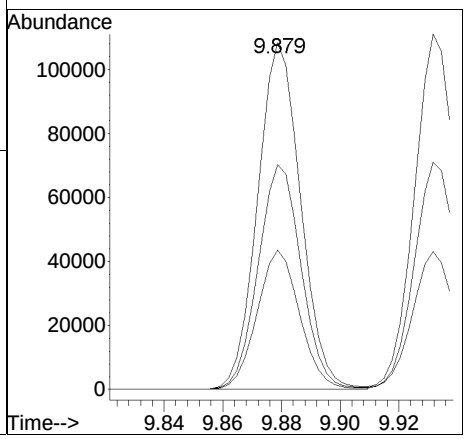


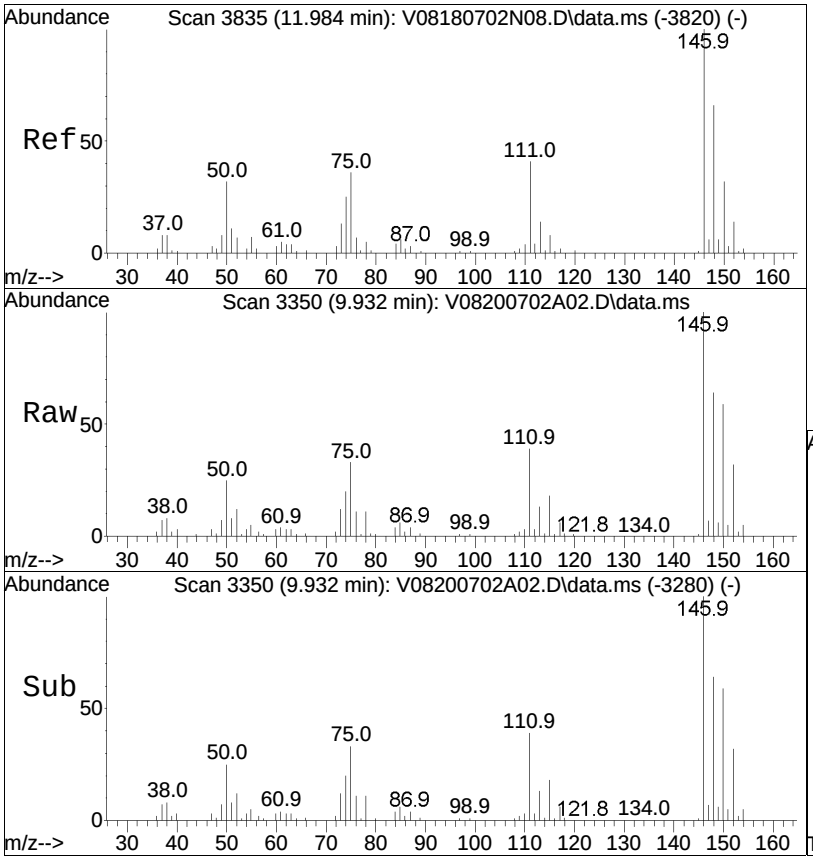


#100
1,3-Dichlorobenzene
Concen: 9.86 ug/L
RT: 9.879 min Scan# 3331
Delta R.T. -0.005 min
Lab File: V08200702A02.D
Acq: 2 Jul 2020 7:20 am

Tgt Ion:146 Resp: 110438

Ion	Ratio	Lower	Upper
146	100		
111	39.7	27.5	57.1
148	64.7	41.9	86.9

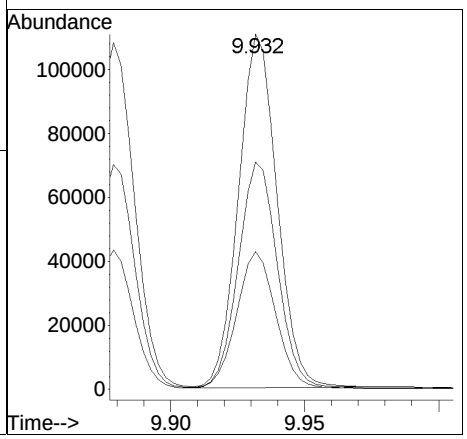


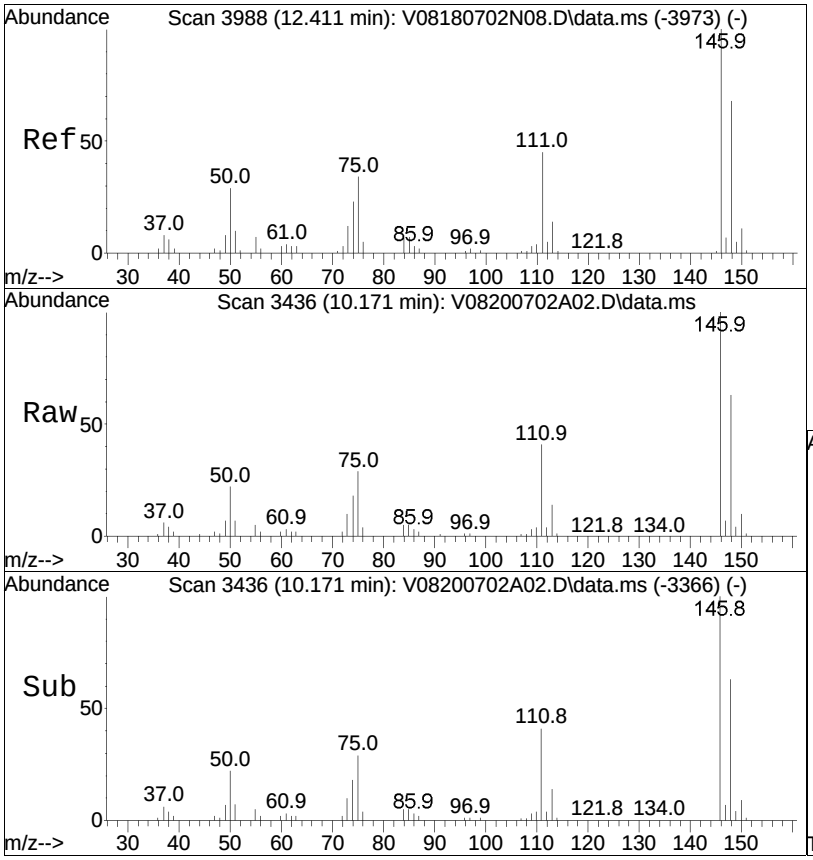


#101
1,4-Dichlorobenzene
Concen: 9.76 ug/L
RT: 9.932 min Scan# 3350
Delta R.T. -0.005 min
Lab File: V08200702A02.D
Acq: 2 Jul 2020 7:20 am

Tgt Ion:146 Resp: 110616

Ion	Ratio	Lower	Upper
146	100		
111	39.6	32.3	48.5
148	65.2	49.9	74.9

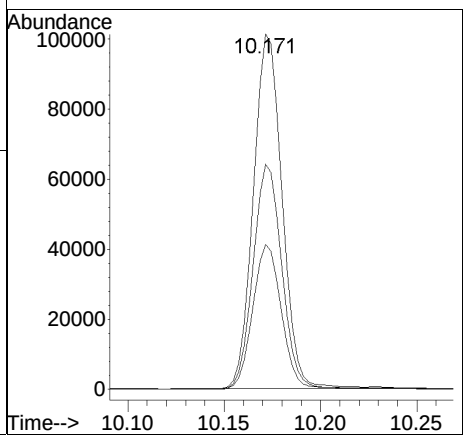


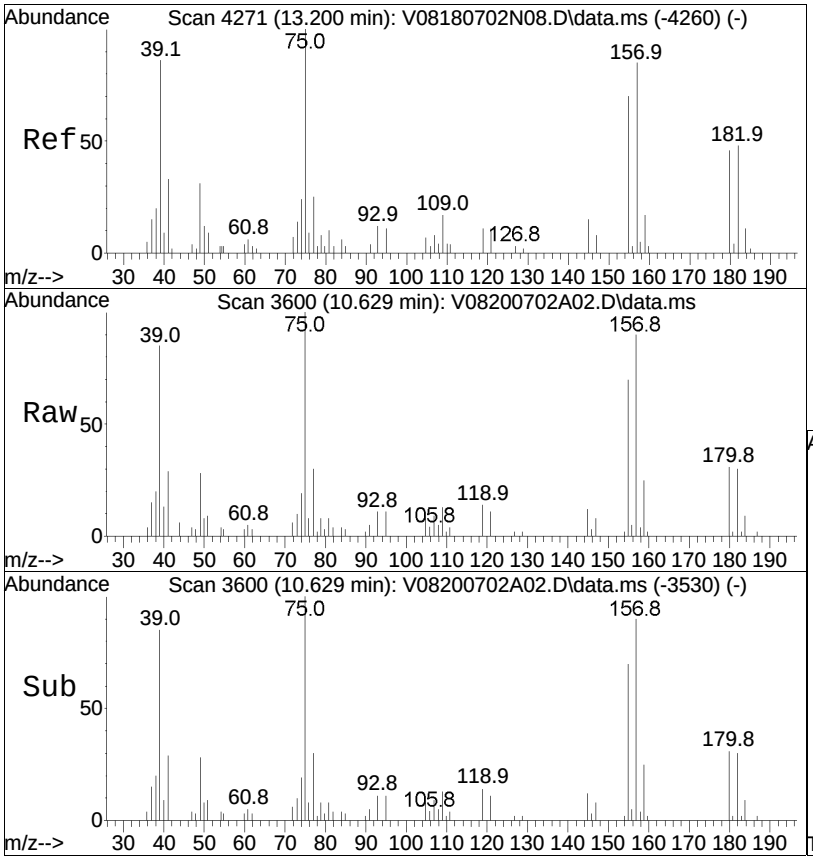


#104
1,2-Dichlorobenzene
Concen: 9.96 ug/L
RT: 10.171 min Scan# 3436
Delta R.T. -0.006 min
Lab File: V08200702A02.D
Acq: 2 Jul 2020 7:20 am

Tgt Ion:146 Resp: 105273

Ion	Ratio	Lower	Upper
146	100		
111	41.6	28.3	58.7
148	63.6	42.3	87.8

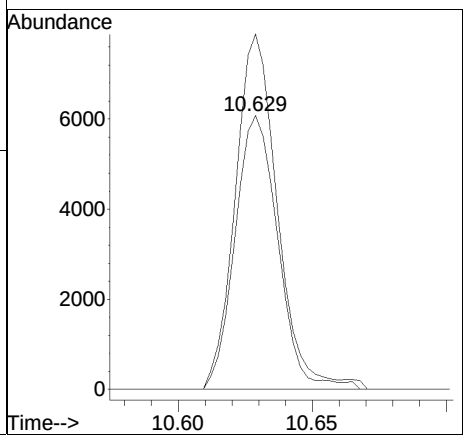


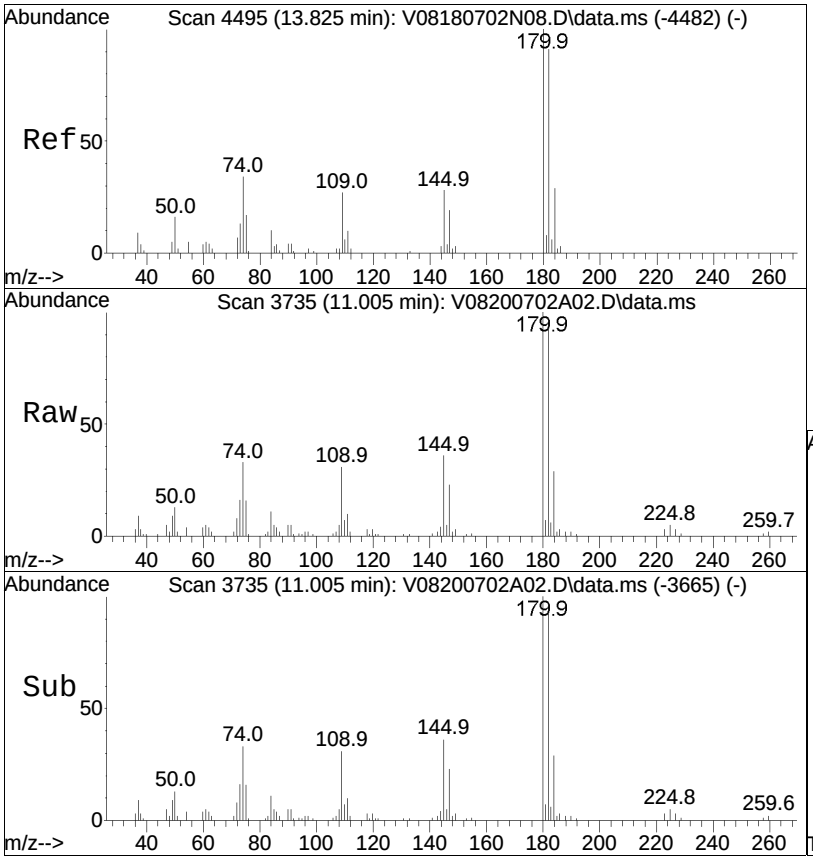


#106
1,2-Dibromo-3-chloropropane
Concen: 7.97 ug/L
RT: 10.629 min Scan# 3600
Delta R.T. -0.005 min
Lab File: V08200702A02.D
Acq: 2 Jul 2020 7:20 am

Tgt Ion:155 Resp: 6783

Ion	Ratio	Lower	Upper
155	100		
157	127.2	94.8	142.2

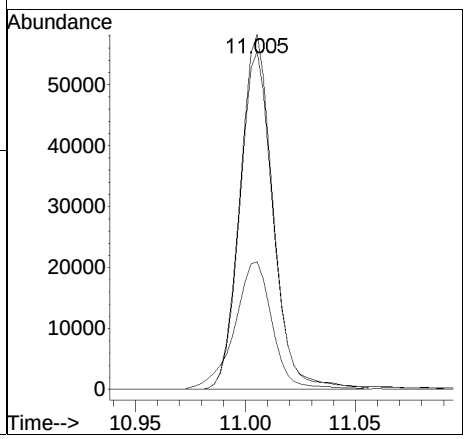


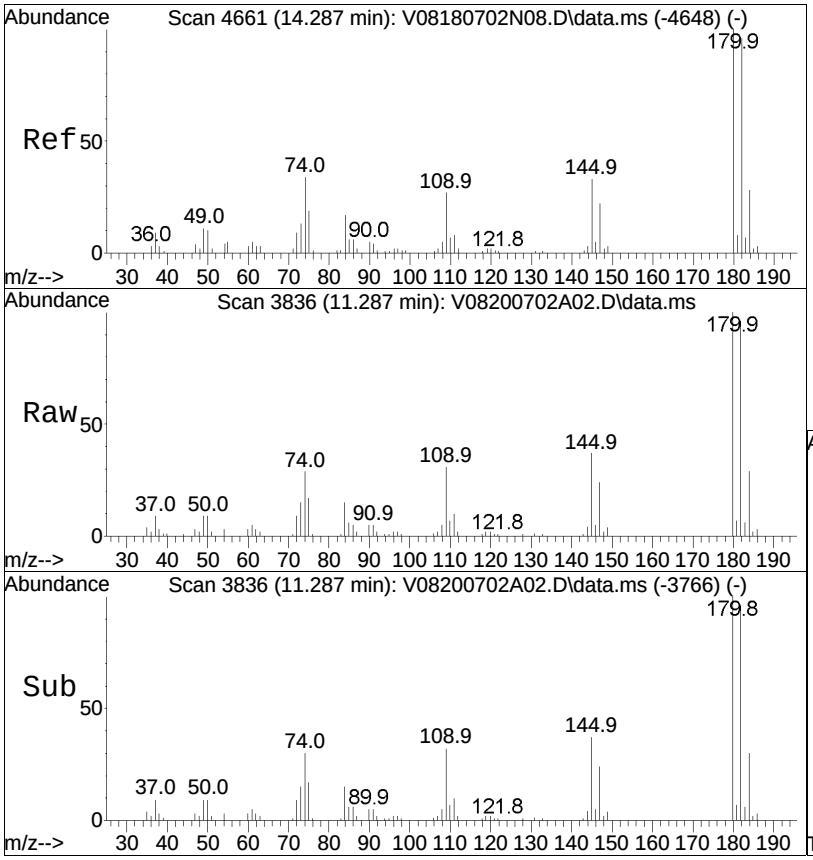


#109
1,2,4-Trichlorobenzene
Concen: 9.07 ug/L
RT: 11.005 min Scan# 3735
Delta R.T. -0.006 min
Lab File: V08200702A02.D
Acq: 2 Jul 2020 7:20 am

Tgt Ion:180 Resp: 61176

Ion	Ratio	Lower	Upper
180	100		
182	95.4	77.3	115.9
145	40.9	28.1	42.1

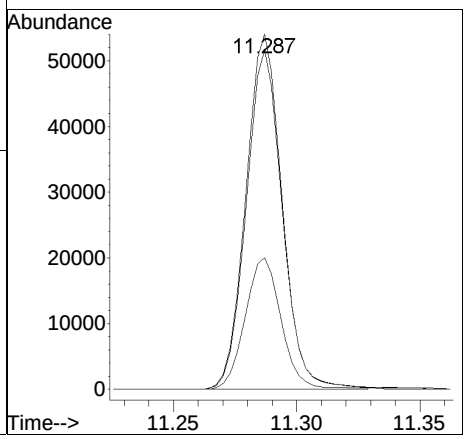




#111
1,2,3-Trichlorobenzene
Concen: 9.16 ug/L
RT: 11.287 min Scan# 3836
Delta R.T. -0.005 min
Lab File: V08200702A02.D
Acq: 2 Jul 2020 7:20 am

Tgt Ion:180 Resp: 55333

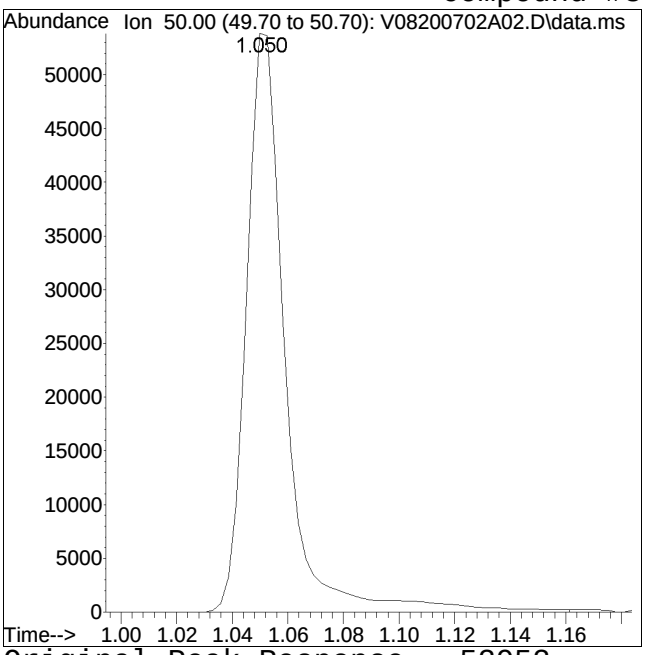
Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.4	114.6
145	37.0	26.4	39.6



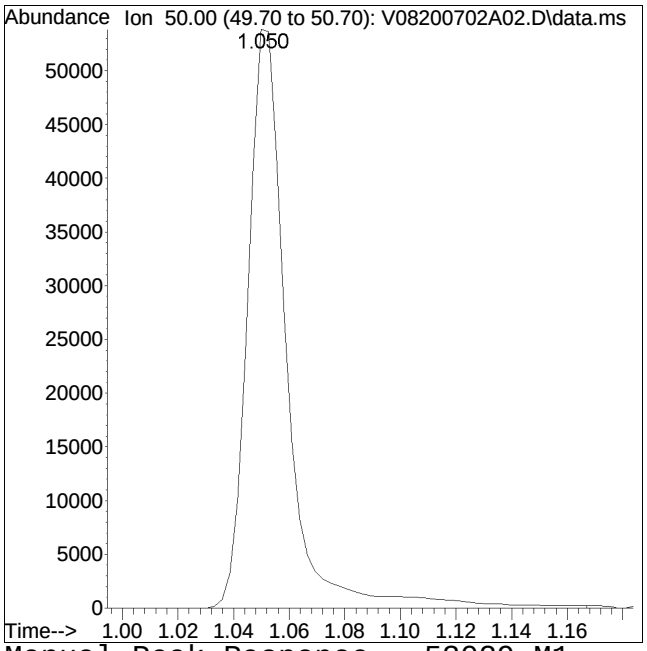
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200702A02.D Operator : VOA108:PD
Date Inj'd : 7/2/2020 7:20 am Instrument : VOA 108
Sample : WG1388512-4,31,10,10 Quant Date : 7/2/2020 7:38 am

Compound #3: Chloromethane



Original Peak Response = 52952



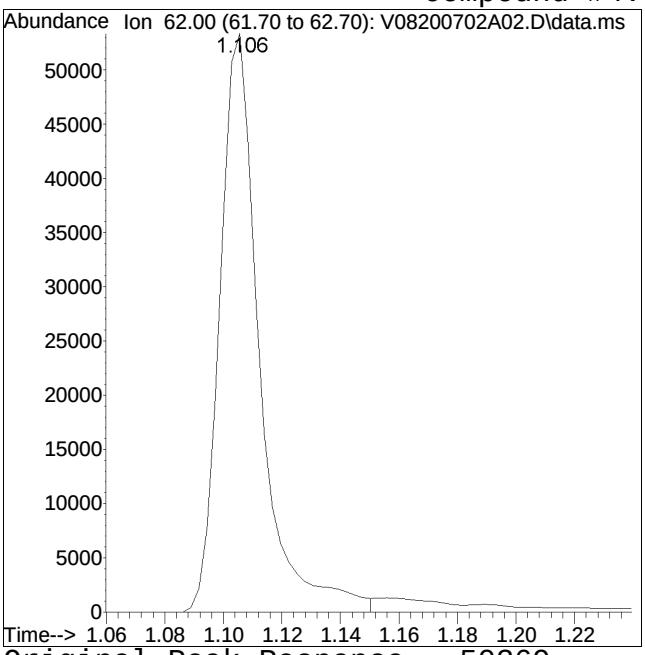
Manual Peak Response = 53029 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

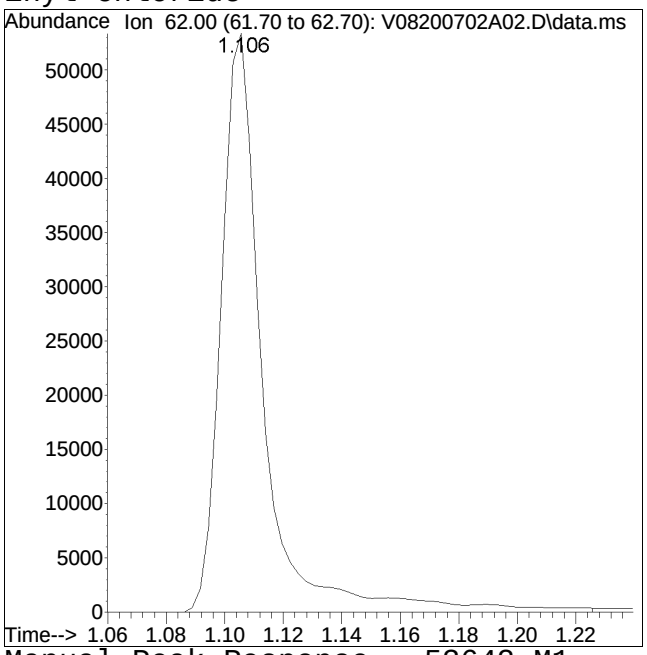
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200702A02.D Operator : VOA108:PD
Date Inj'd : 7/2/2020 7:20 am Instrument : VOA 108
Sample : WG1388512-4,31,10,10 Quant Date : 7/2/2020 7:38 am

Compound #4: Vinyl chloride



Original Peak Response = 50369



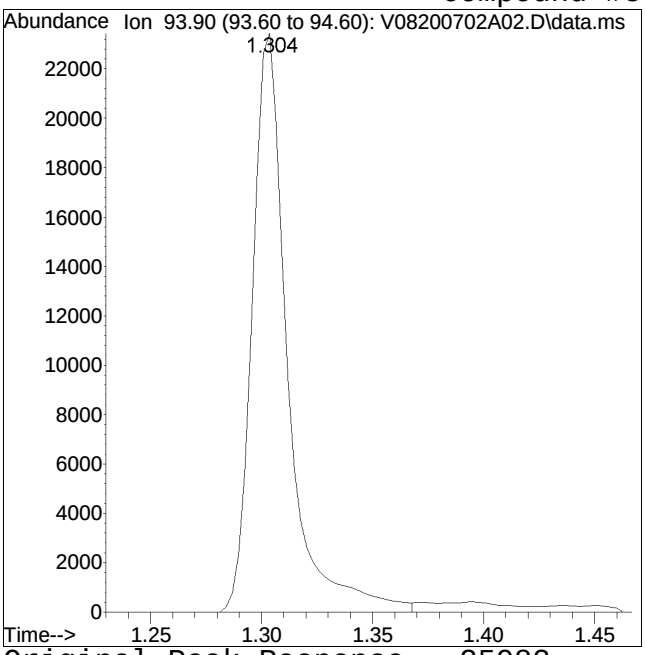
Manual Peak Response = 53642 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

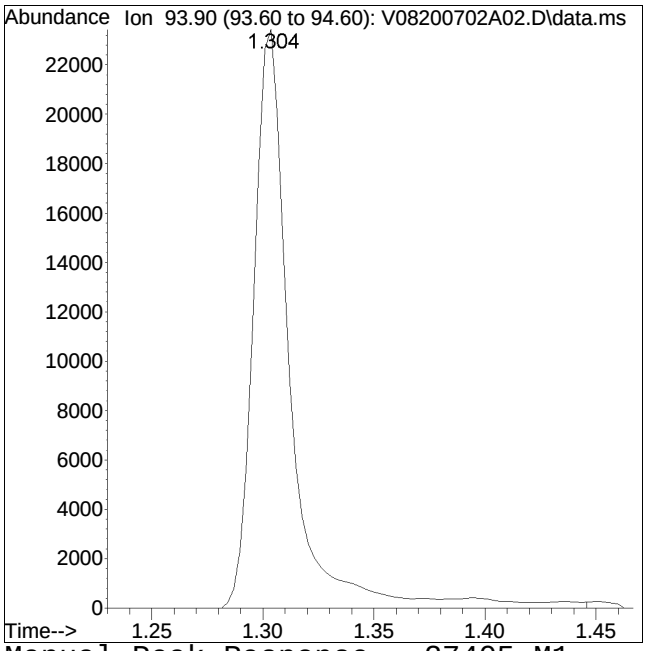
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200702A02.D Operator : VOA108:PD
Date Inj'd : 7/2/2020 7:20 am Instrument : VOA 108
Sample : WG1388512-4,31,10,10 Quant Date : 7/2/2020 7:38 am

Compound #5: Bromomethane



Original Peak Response = 25982



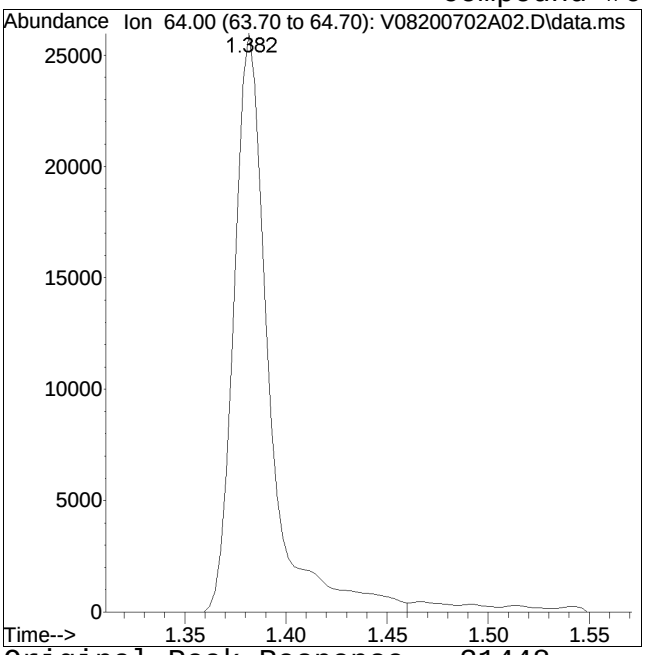
Manual Peak Response = 27405 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

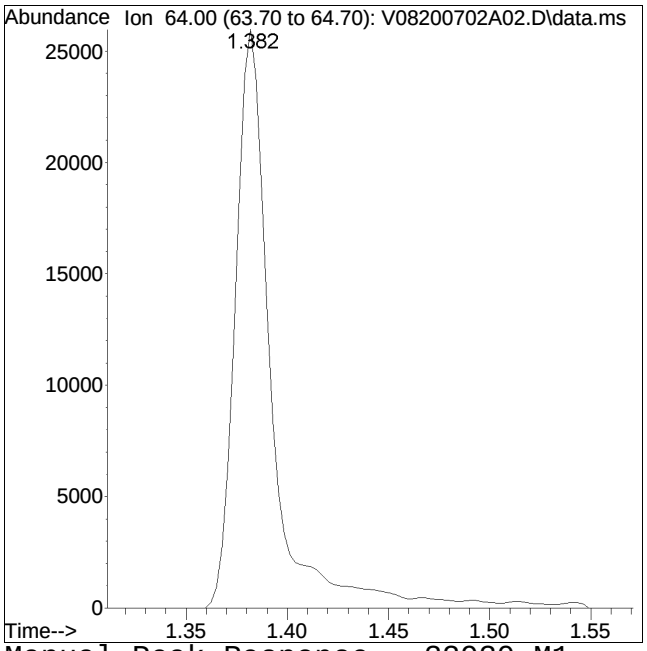
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200702A02.D Operator : VOA108:PD
Date Inj'd : 7/2/2020 7:20 am Instrument : VOA 108
Sample : WG1388512-4,31,10,10 Quant Date : 7/2/2020 7:38 am

Compound #6: Chloroethane



Original Peak Response = 31448



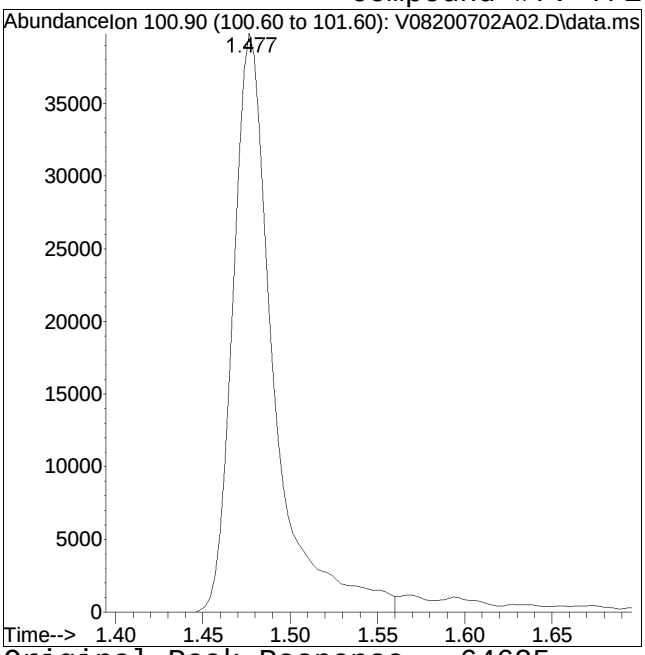
Manual Peak Response = 32930 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

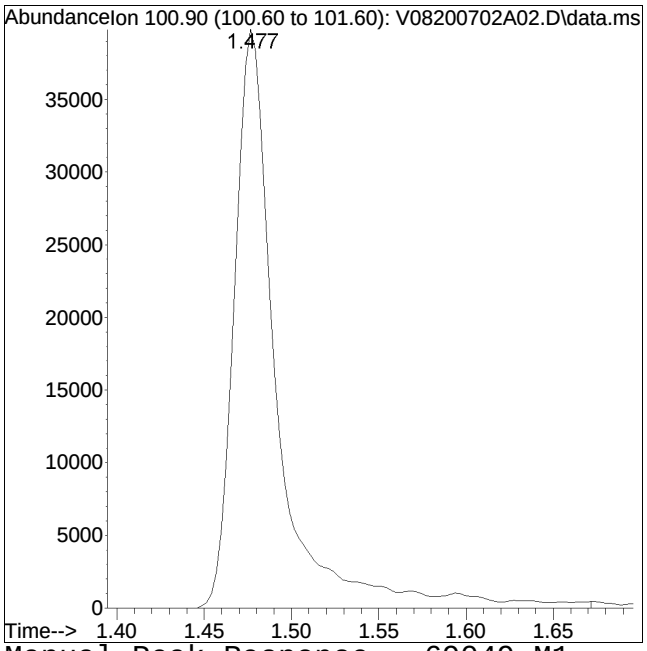
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200702A02.D Operator : VOA108:PD
Date Inj'd : 7/2/2020 7:20 am Instrument : VOA 108
Sample : WG1388512-4,31,10,10 Quant Date : 7/2/2020 7:38 am

Compound #7: Trichlorofluoromethane



Original Peak Response = 64625



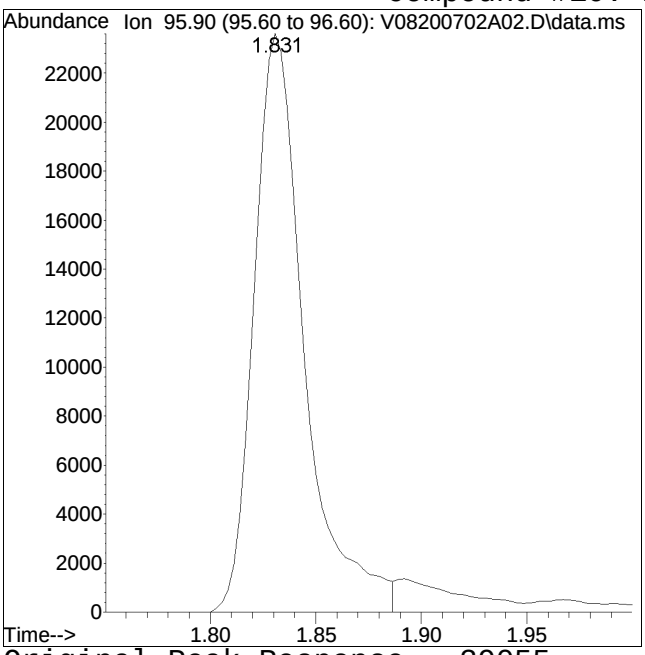
Manual Peak Response = 69049 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

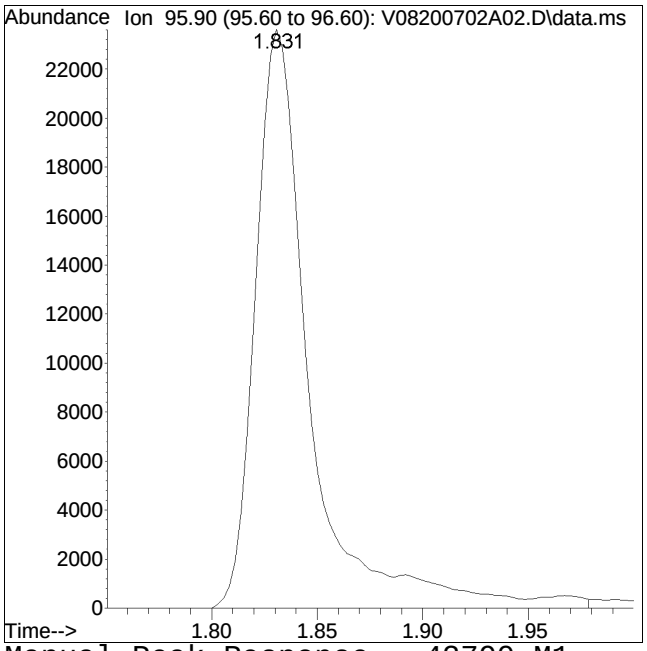
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200702A02.D Operator : VOA108:PD
Date Inj'd : 7/2/2020 7:20 am Instrument : VOA 108
Sample : WG1388512-4,31,10,10 Quant Date : 7/2/2020 7:38 am

Compound #10: 1,1-Dichloroethene



Original Peak Response = 39055



Manual Peak Response = 42790 M1

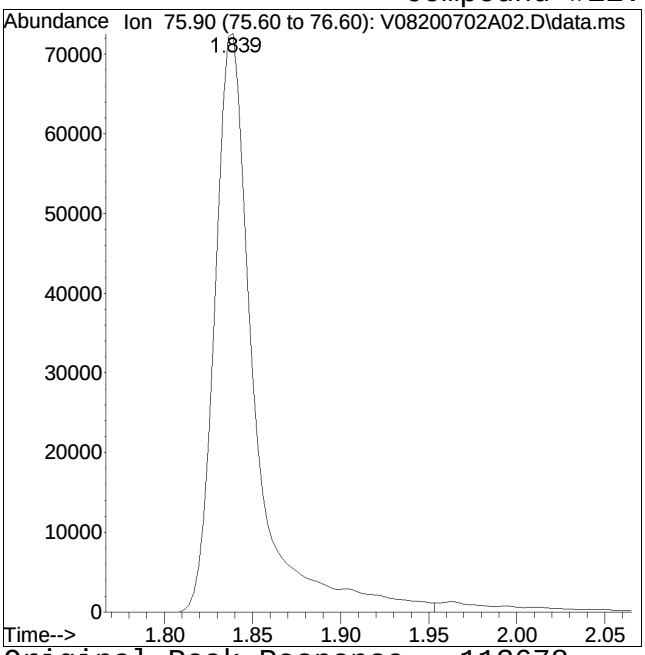
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

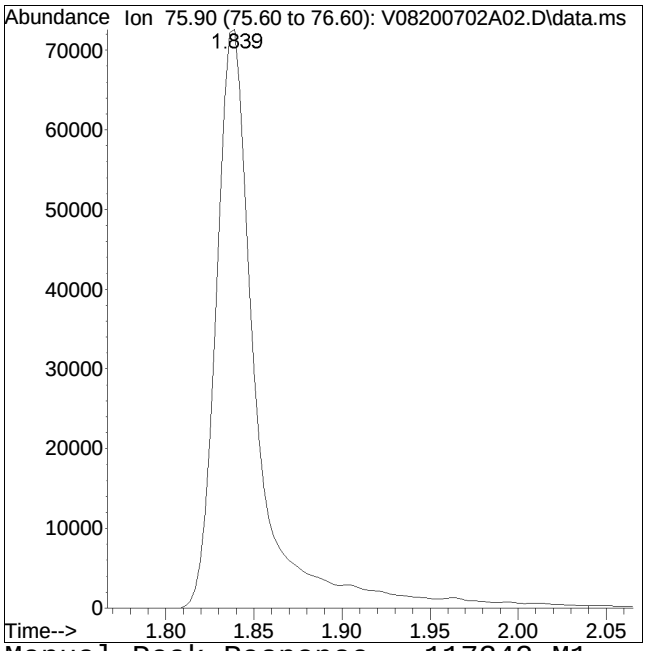
Data Path : I:\VOLATILES\VOA108\2020\2Q
Data File : V08200702A02.D
Date Inj'd : 7/2/2020 7:20 am
Sample : WG1388512-4,31,10,10

Method : V108_200623N_8260.m
Operator : VOA108:PD
Instrument : VOA 108
Quant Date : 7/2/2020 7:38 am

Compound #11: Carbon disulfide



Original Peak Response = 113678



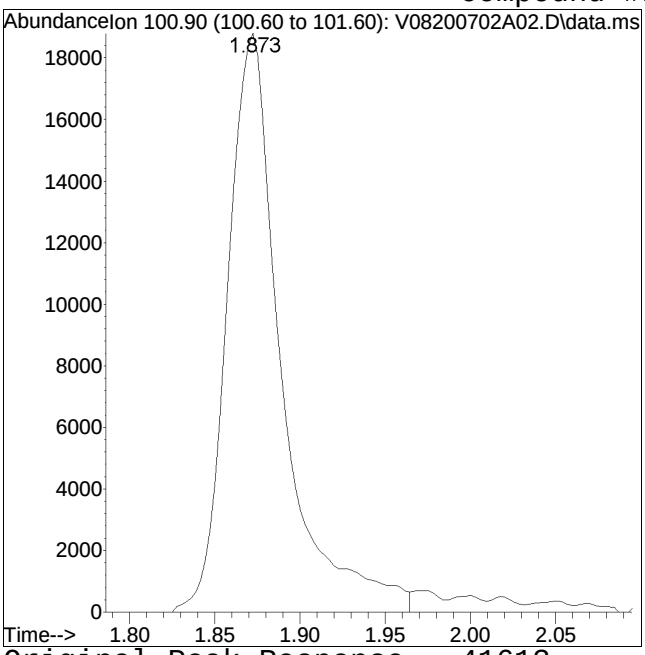
Manual Peak Response = 117342 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

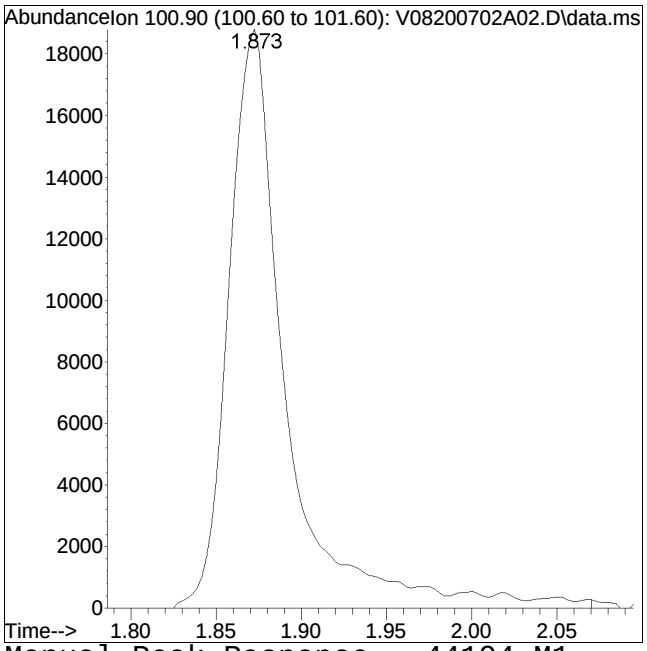
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200702A02.D Operator : VOA108:PD
Date Inj'd : 7/2/2020 7:20 am Instrument : VOA 108
Sample : WG1388512-4,31,10,10 Quant Date : 7/2/2020 7:38 am

Compound #12: Freon-113



Original Peak Response = 41613



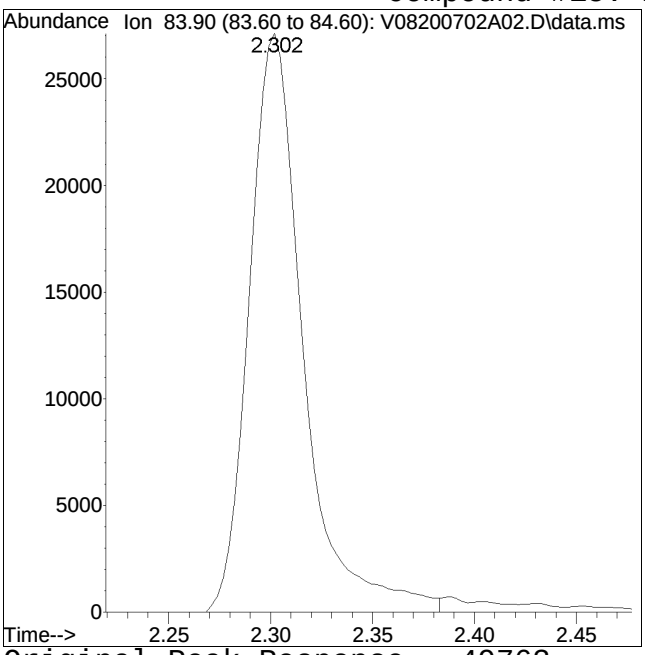
Manual Peak Response = 44194 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

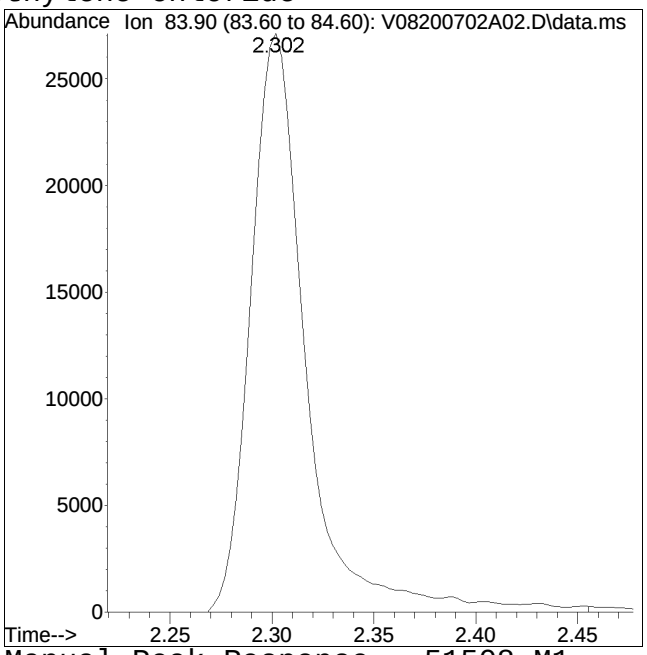
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200702A02.D Operator : VOA108:PD
Date Inj'd : 7/2/2020 7:20 am Instrument : VOA 108
Sample : WG1388512-4,31,10,10 Quant Date : 7/2/2020 7:38 am

Compound #15: Methylene chloride



Original Peak Response = 49763



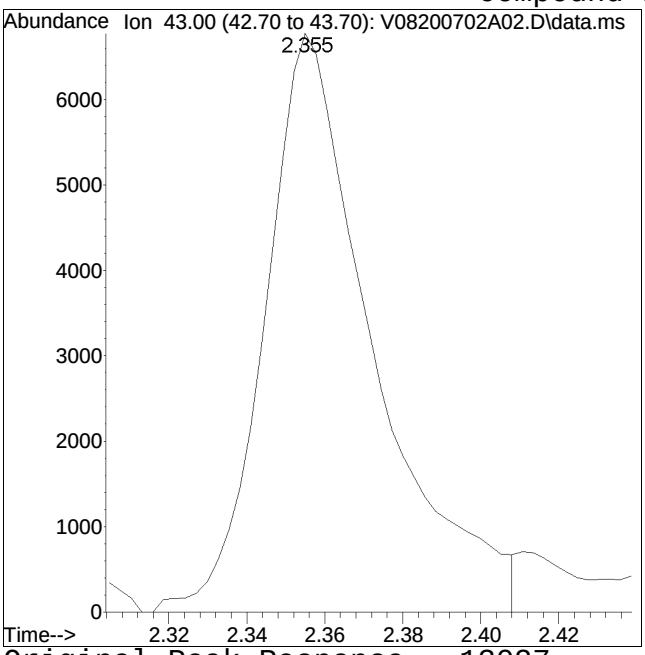
Manual Peak Response = 51508 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

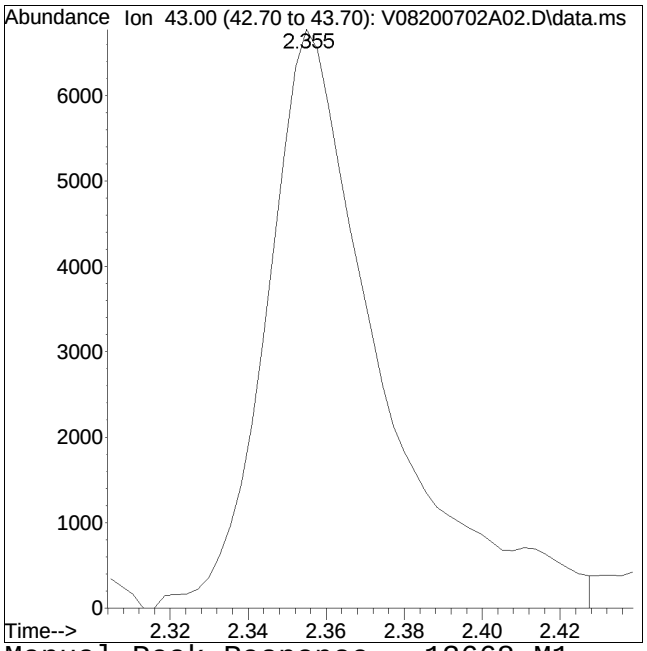
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200702A02.D Operator : VOA108:PD
Date Inj'd : 7/2/2020 7:20 am Instrument : VOA 108
Sample : WG1388512-4,31,10,10 Quant Date : 7/2/2020 7:38 am

Compound #17: Acetone



Original Peak Response = 13027



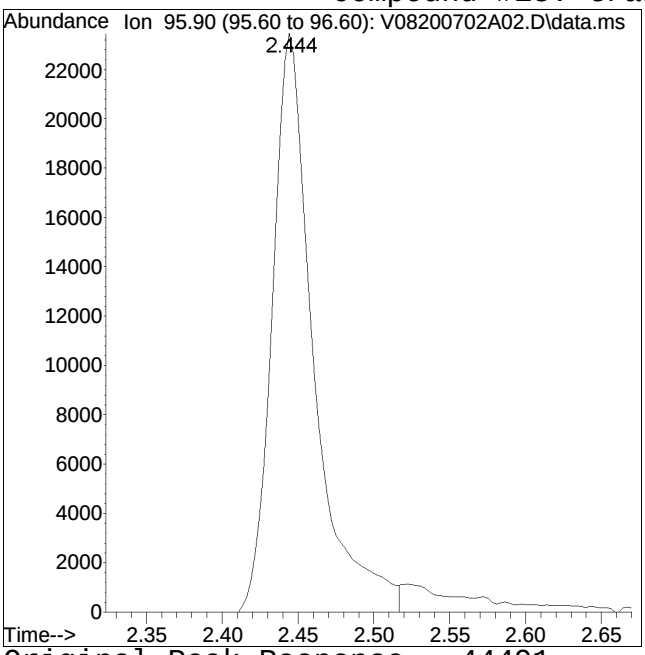
Manual Peak Response = 13668 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

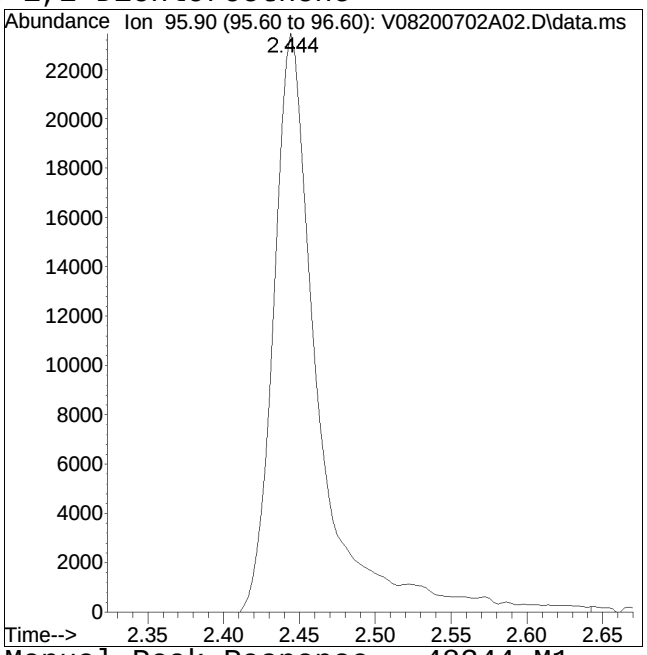
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200702A02.D Operator : VOA108:PD
Date Inj'd : 7/2/2020 7:20 am Instrument : VOA 108
Sample : WG1388512-4,31,10,10 Quant Date : 7/2/2020 7:38 am

Compound #18: trans-1,2-Dichloroethene



Original Peak Response = 44491



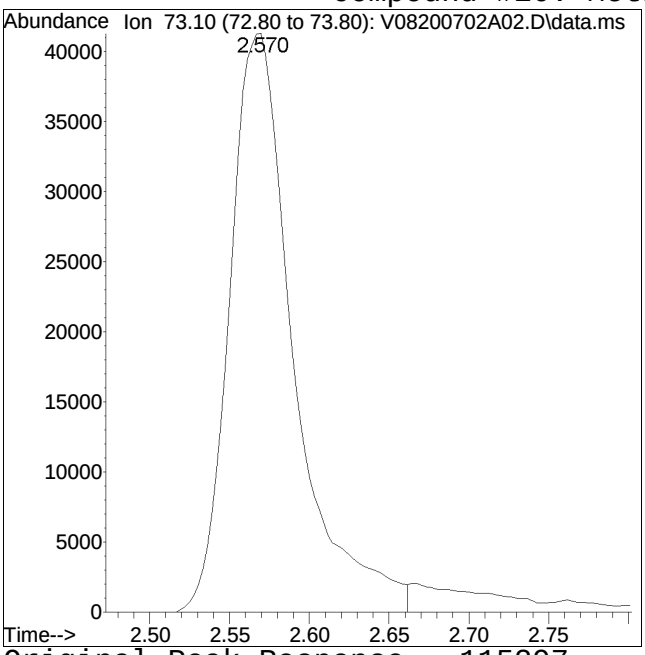
Manual Peak Response = 48344 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

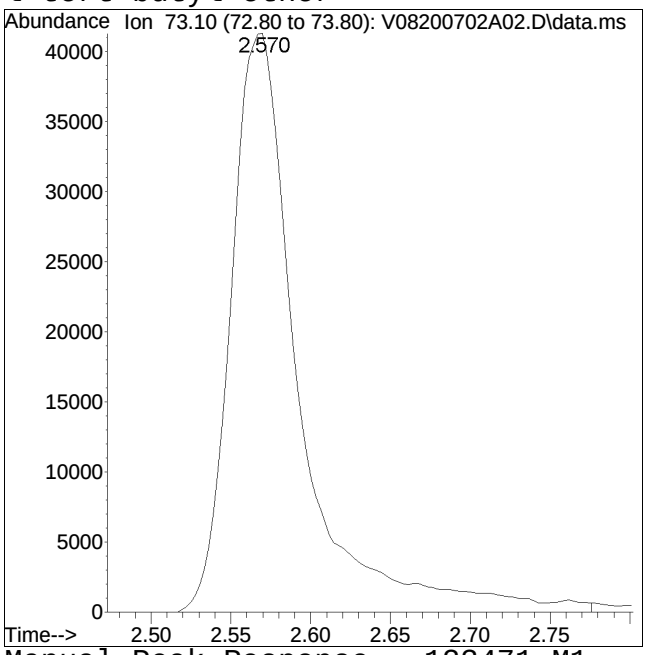
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200702A02.D Operator : VOA108:PD
Date Inj'd : 7/2/2020 7:20 am Instrument : VOA 108
Sample : WG1388512-4,31,10,10 Quant Date : 7/2/2020 7:38 am

Compound #20: Methyl tert-butyl ether



Original Peak Response = 115297



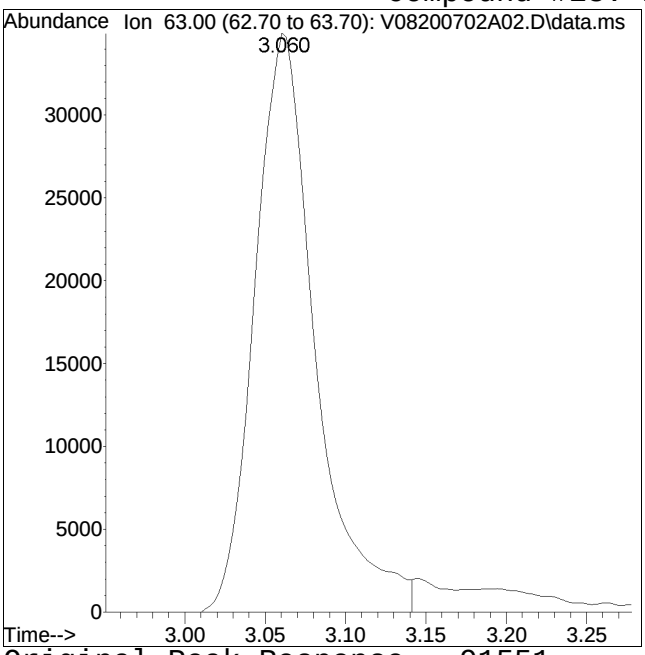
Manual Peak Response = 123471 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

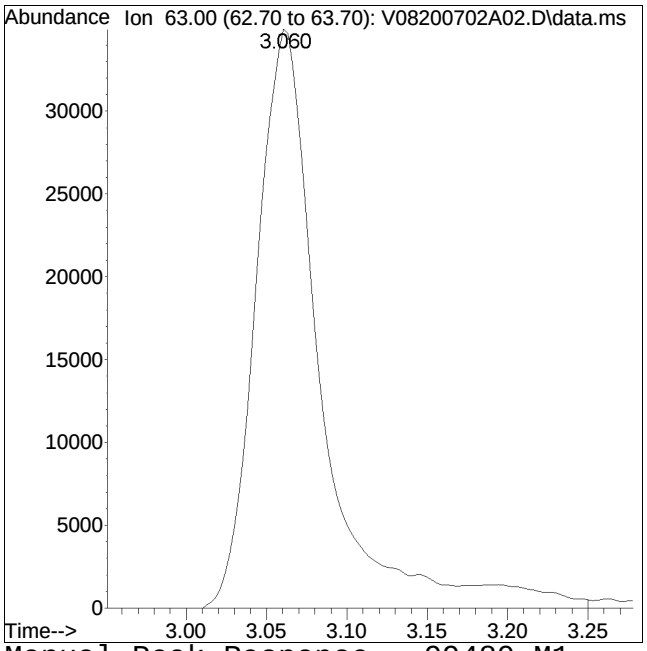
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200702A02.D Operator : VOA108:PD
Date Inj'd : 7/2/2020 7:20 am Instrument : VOA 108
Sample : WG1388512-4,31,10,10 Quant Date : 7/2/2020 7:38 am

Compound #23: 1,1-Dichloroethane



Original Peak Response = 91551



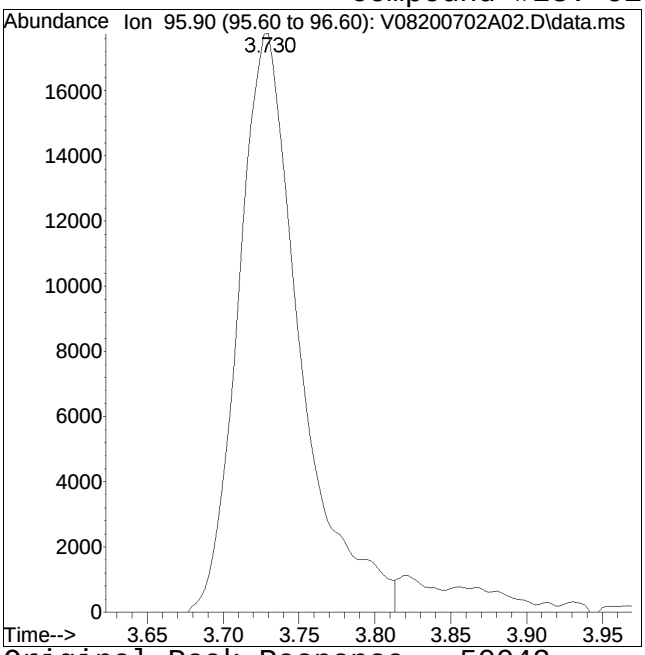
Manual Peak Response = 99480 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

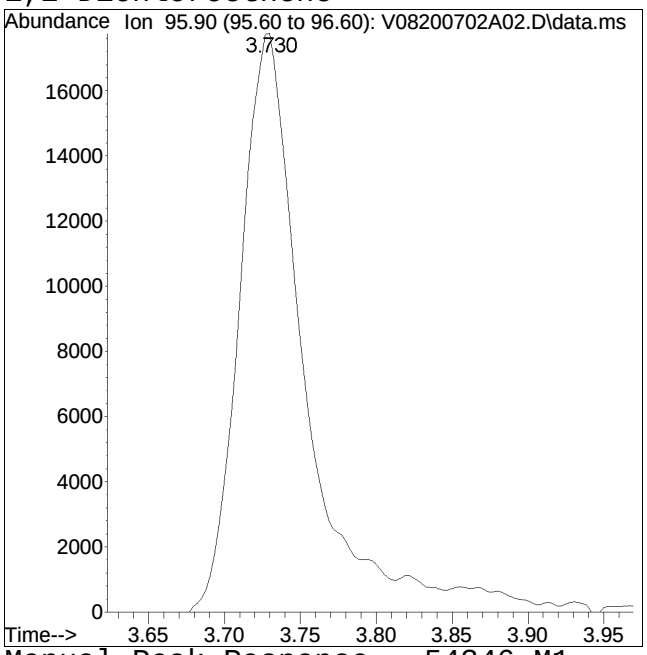
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200702A02.D Operator : VOA108:PD
Date Inj'd : 7/2/2020 7:20 am Instrument : VOA 108
Sample : WG1388512-4,31,10,10 Quant Date : 7/2/2020 7:38 am

Compound #28: cis-1,2-Dichloroethene



Original Peak Response = 50042



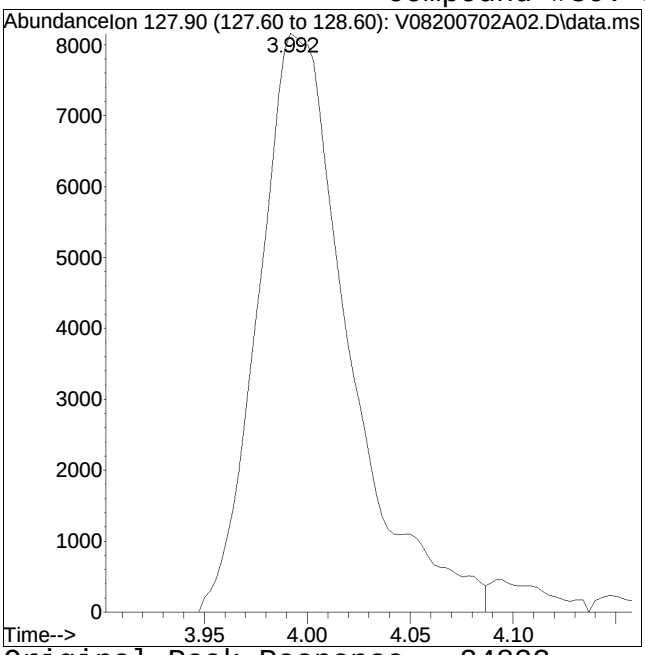
Manual Peak Response = 54346 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

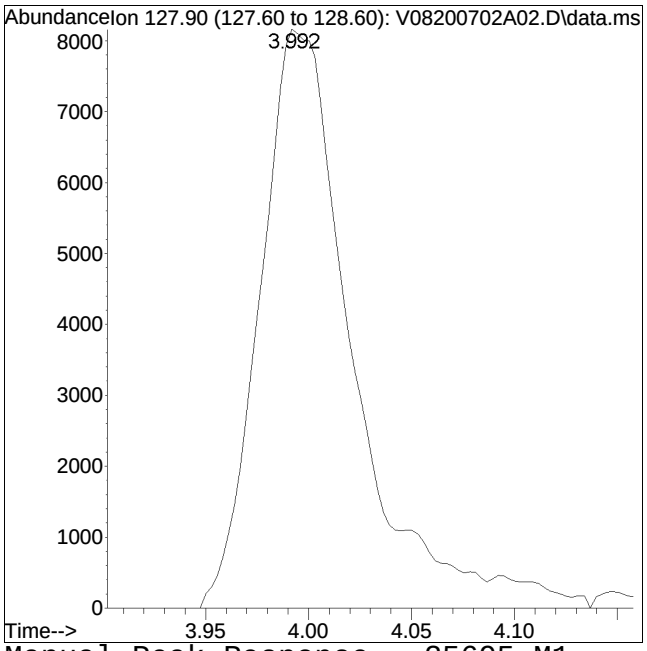
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200702A02.D Operator : VOA108:PD
Date Inj'd : 7/2/2020 7:20 am Instrument : VOA 108
Sample : WG1388512-4,31,10,10 Quant Date : 7/2/2020 7:38 am

Compound #30: Bromochloromethane



Original Peak Response = 24832



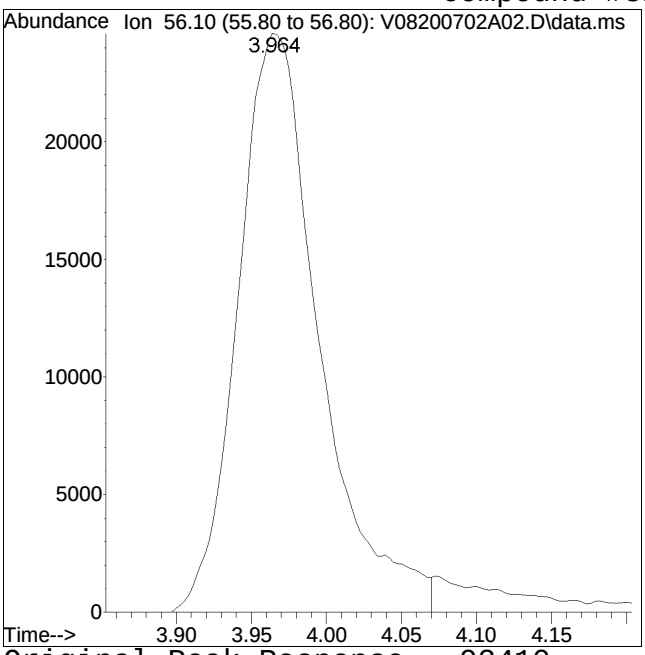
Manual Peak Response = 25695 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

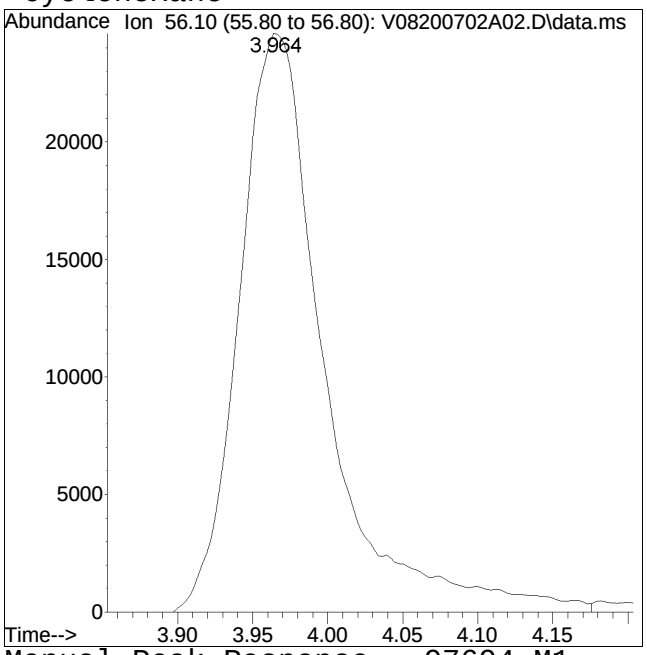
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200702A02.D Operator : VOA108:PD
Date Inj'd : 7/2/2020 7:20 am Instrument : VOA 108
Sample : WG1388512-4,31,10,10 Quant Date : 7/2/2020 7:38 am

Compound #31: Cyclohexane



Original Peak Response = 92410



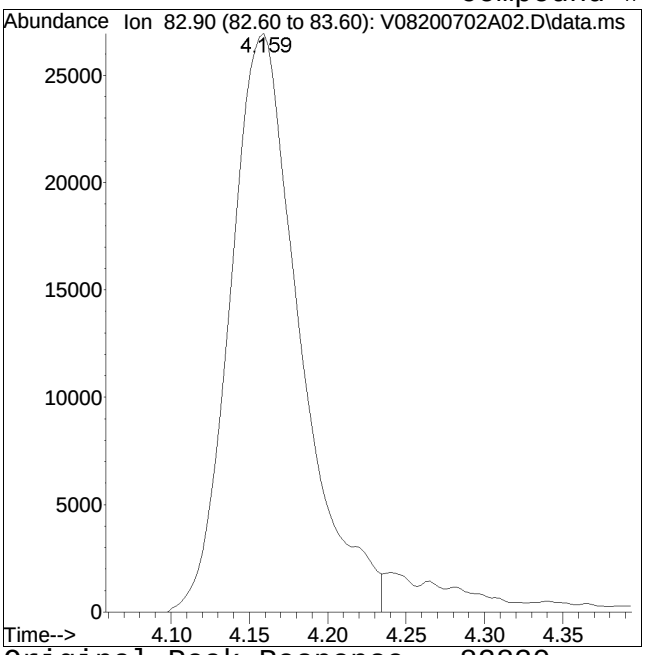
Manual Peak Response = 97694 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

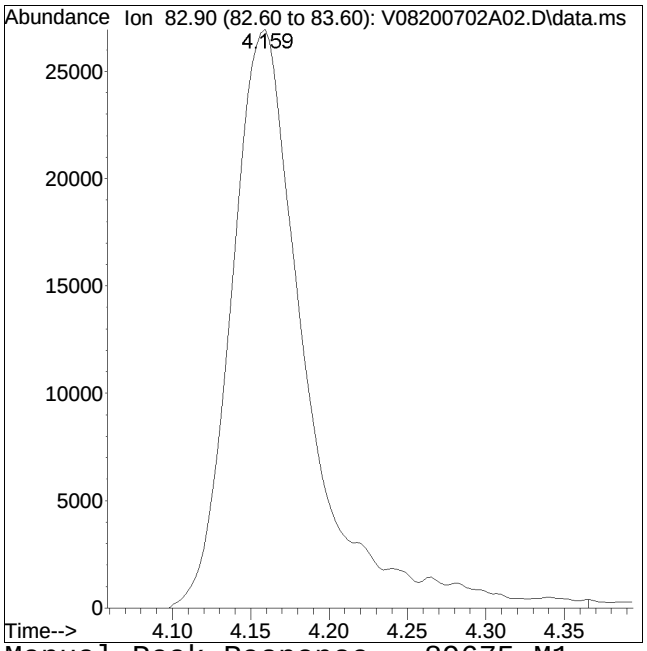
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200702A02.D Operator : VOA108:PD
Date Inj'd : 7/2/2020 7:20 am Instrument : VOA 108
Sample : WG1388512-4,31,10,10 Quant Date : 7/2/2020 7:38 am

Compound #32: Chloroform



Original Peak Response = 82830



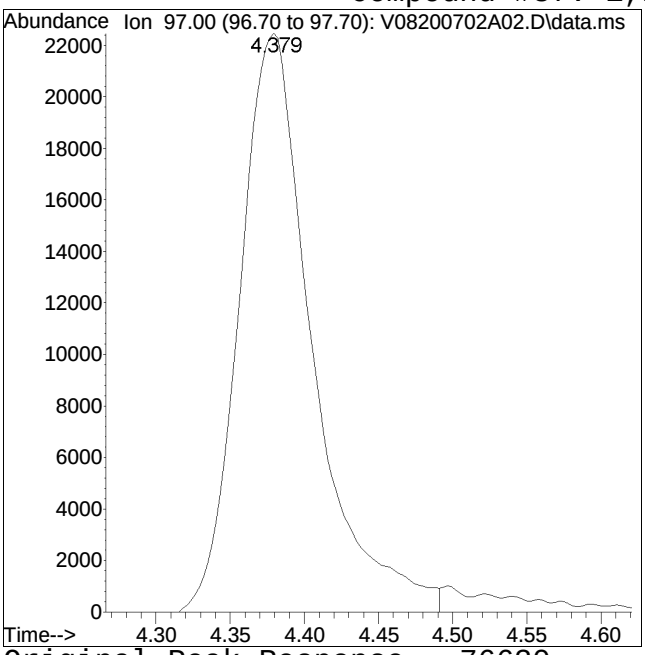
Manual Peak Response = 89675 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

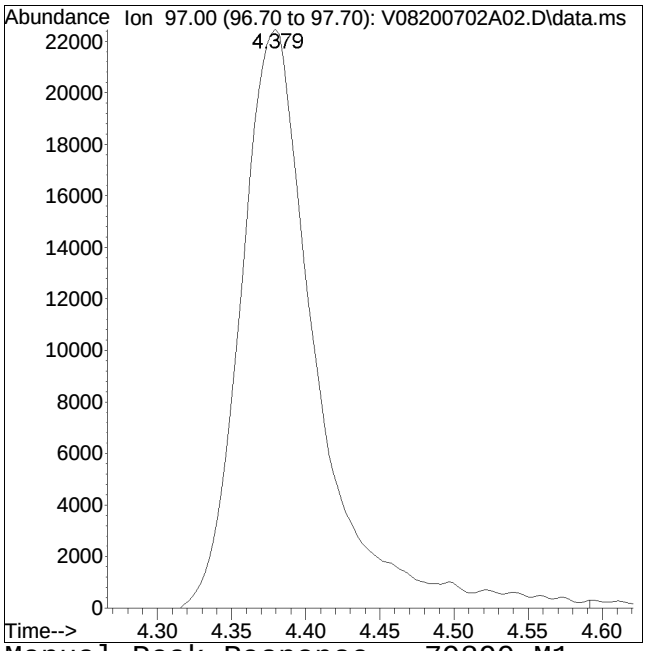
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200702A02.D Operator : VOA108:PD
Date Inj'd : 7/2/2020 7:20 am Instrument : VOA 108
Sample : WG1388512-4,31,10,10 Quant Date : 7/2/2020 7:38 am

Compound #37: 1,1,1-Trichloroethane



Original Peak Response = 76630



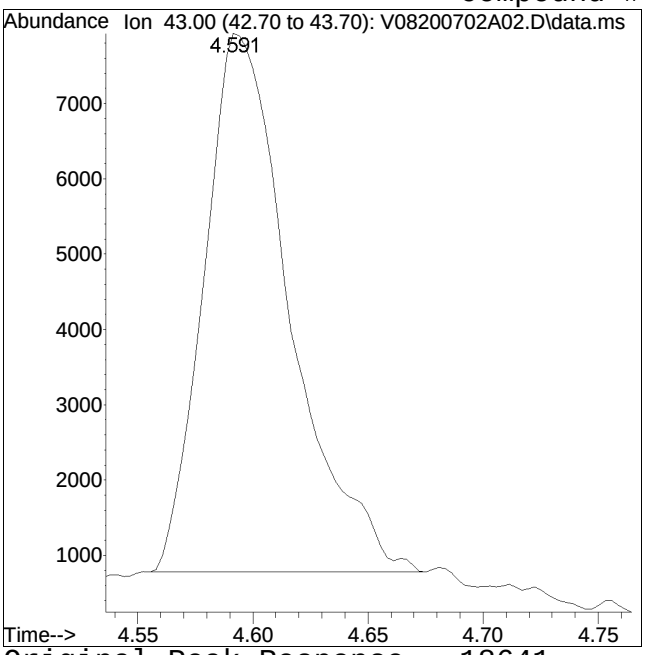
Manual Peak Response = 79890 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

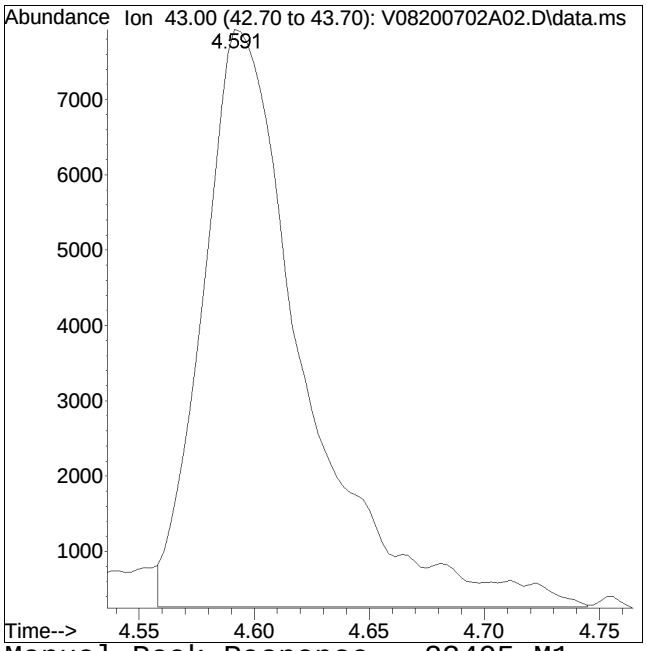
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200702A02.D Operator : VOA108:PD
Date Inj'd : 7/2/2020 7:20 am Instrument : VOA 108
Sample : WG1388512-4,31,10,10 Quant Date : 7/2/2020 7:38 am

Compound #39: 2-Butanone



Original Peak Response = 18641



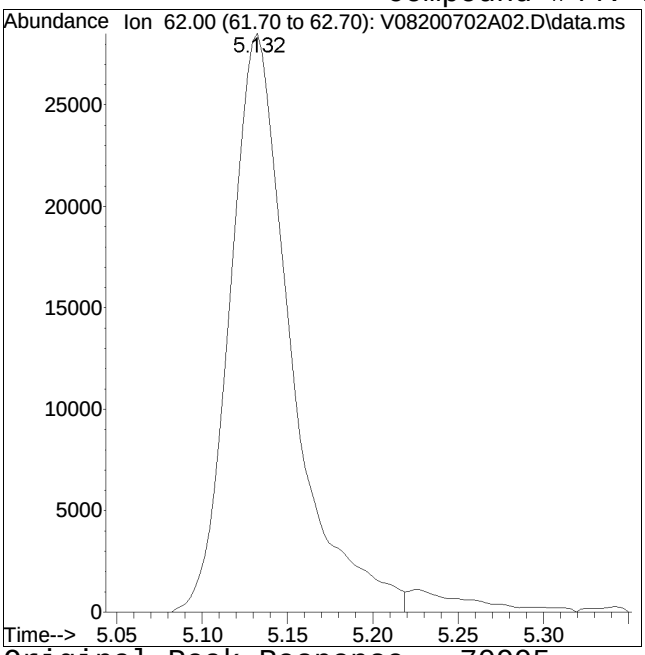
Manual Peak Response = 23495 M1

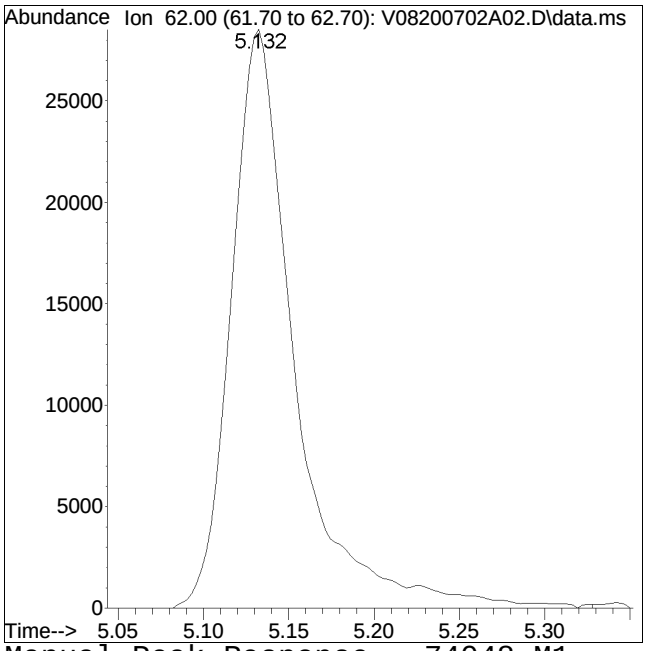
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200702A02.D Operator : VOA108:PD
Date Inj'd : 7/2/2020 7:20 am Instrument : VOA 108
Sample : WG1388512-4,31,10,10 Quant Date : 7/2/2020 7:38 am

Compound #44: 1,2-Dichloroethane



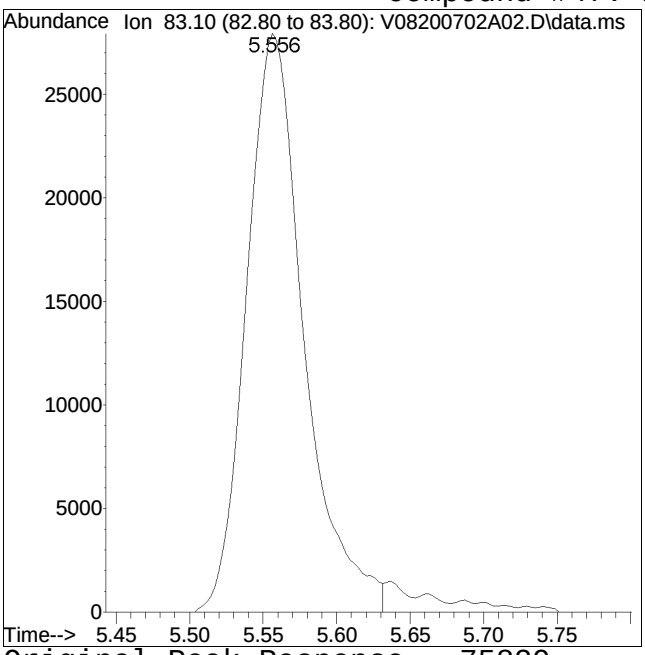


Original Peak Response = 70995 Manual Peak Response = 74048 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

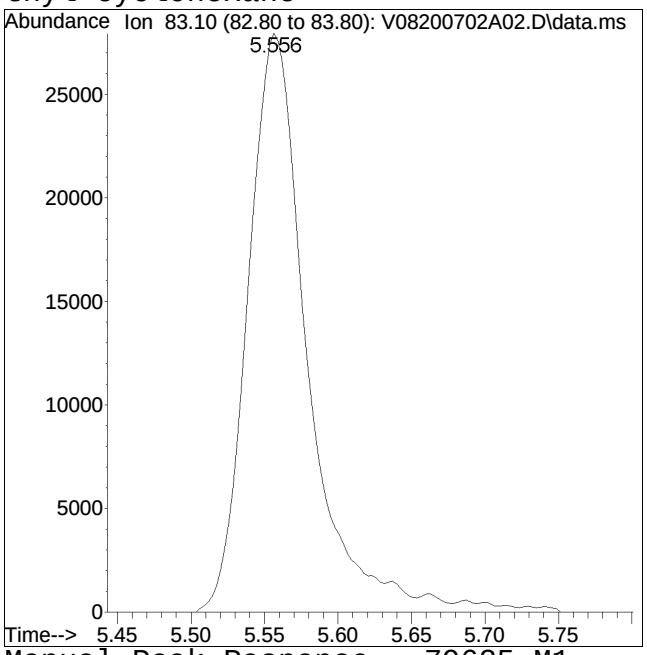
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200702A02.D Operator : VOA108:PD
Date Inj'd : 7/2/2020 7:20 am Instrument : VOA 108
Sample : WG1388512-4,31,10,10 Quant Date : 7/2/2020 7:38 am

Compound #47: Methyl cyclohexane



Original Peak Response = 75829



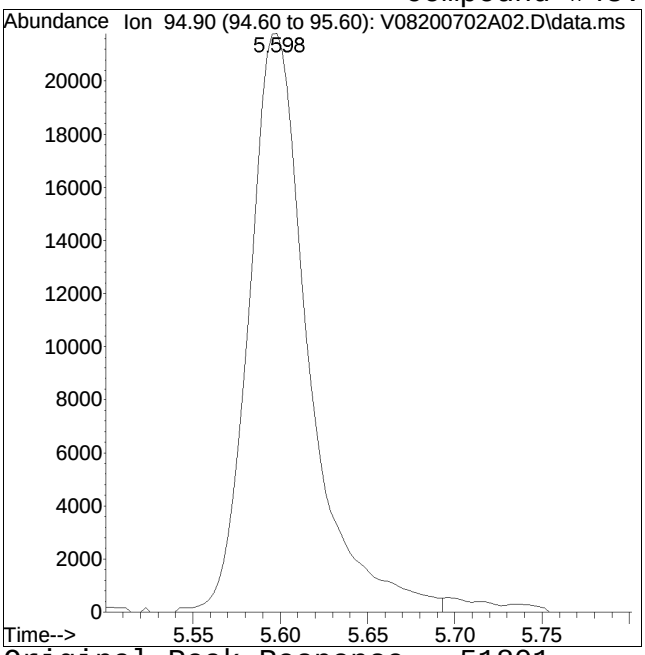
Manual Peak Response = 79625 M1

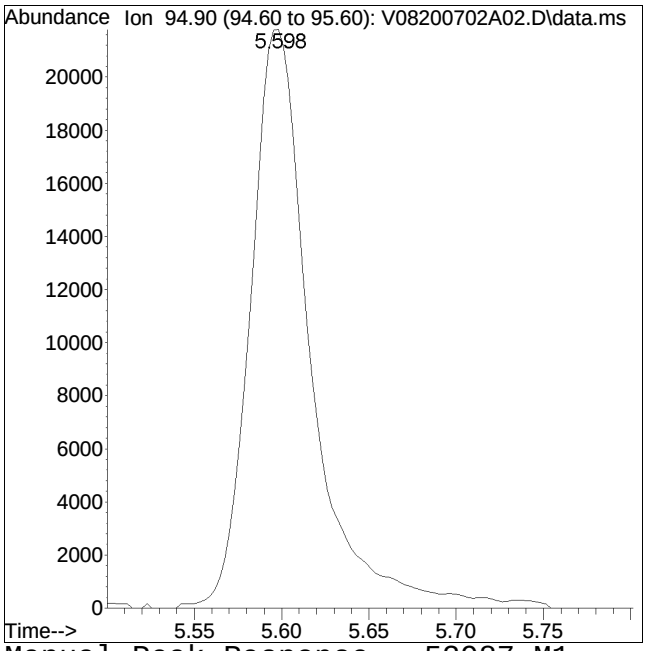
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200702A02.D Operator : VOA108:PD
Date Inj'd : 7/2/2020 7:20 am Instrument : VOA 108
Sample : WG1388512-4,31,10,10 Quant Date : 7/2/2020 7:38 am

Compound #48: Trichloroethene



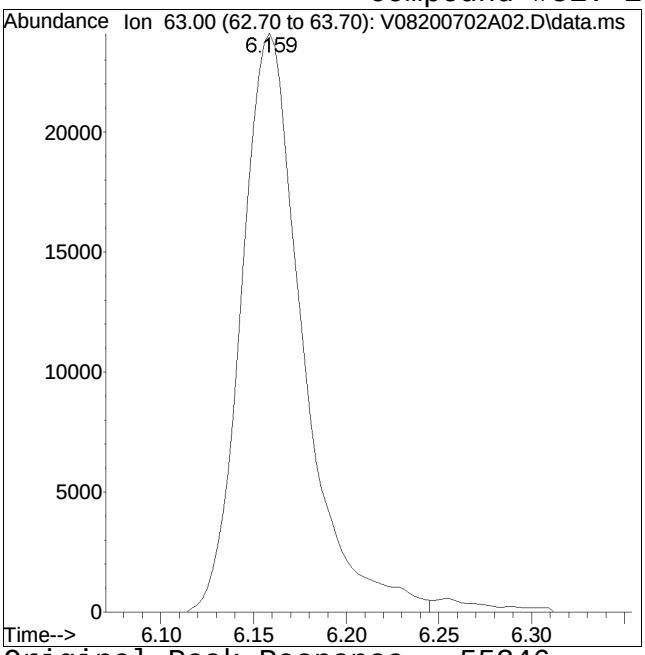


Original Peak Response = 51801 Manual Peak Response = 52987 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

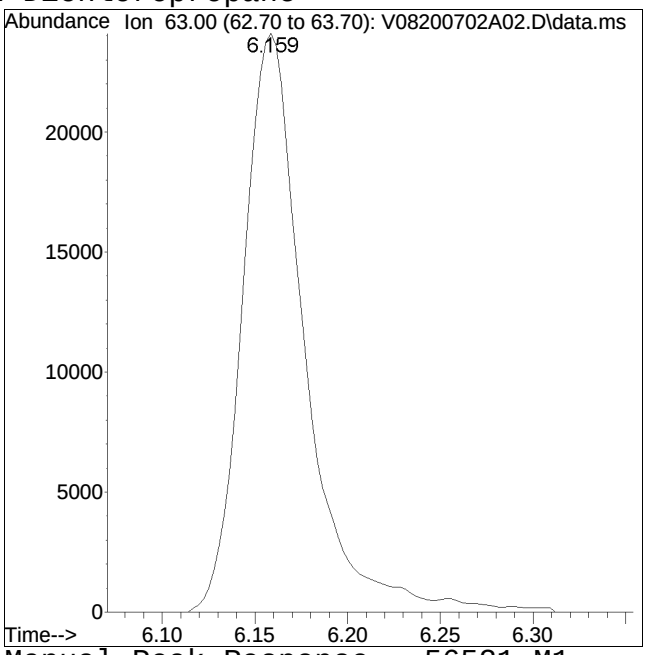
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2020\2QMethod : V108_200623N_8260.m
Data File : V08200702A02.D Operator : VOA108:PD
Date Inj'd : 7/2/2020 7:20 am Instrument : VOA 108
Sample : WG1388512-4,31,10,10 Quant Date : 7/2/2020 7:38 am

Compound #51: 1,2-Dichloropropane



Original Peak Response = 55346



Manual Peak Response = 56521 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2020\200701A\
Data File : V22200701A26.D
Acq On : 01 Jul 2020 07:01 pm
Operator : VOA122:AJK
Sample : WG1388388-6,31,0.2,10,,a
Misc : WG1388388,ICAL16903
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Jul 01 20:54:05 2020
Quant Method : I:\VOLATILES\VOA122\2020\200701A\V122_200617N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jun 18 17:18:38 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2020\200701A\V22200701A01.D
Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.784	96	189708	10.000	ug/L	0.00
Standard Area 1 = 180591			Recovery = 105.05%			
62) Chlorobenzene-d5	9.306	117	165623	10.000	ug/L	0.00
Standard Area 1 = 157975			Recovery = 104.84%			
83) 1,4-Dichlorobenzene-d4	12.065	152	87469	10.000	ug/L	0.00
Standard Area 1 = 82999			Recovery = 105.39%			
System Monitoring Compounds						
38) Dibromofluoromethane	4.971	113	55751	10.576	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.76%			
46) 1,2-Dichloroethane-d4	5.494	65	52122	10.683	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 106.83%			
63) Toluene-d8	7.464	98	213746	9.354	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 93.54%			
87) 4-Bromofluorobenzene	10.827	95	73060	8.785	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 87.85%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.522	85	36476	9.765	ug/L	99
3) Chloromethane	1.709	50	53210	11.069	ug/L	97
4) Vinyl chloride	1.764	62	41917	9.751	ug/L	98
5) Bromomethane	2.052	94	6251	2.961	ug/L	98
6) Chloroethane	2.162	64	21606	9.520	ug/L	99
7) Trichlorofluoromethane	2.294	101	66636	11.108	ug/L	98
10) 1,1-Dichloroethene	2.778	96	37889	10.092	ug/L	82
11) Carbon disulfide	2.801	76	89905	9.659	ug/L	99
12) Freon-113	2.817	101	40337	10.559	ug/L	97
15) Methylene chloride	3.309	84	37905	9.415	ug/L #	69
17) Acetone	3.356	43	10135	13.067	ug/L	95
18) trans-1,2-Dichloroethene	3.457	96	43123	10.468	ug/L	90
19) Methyl acetate	3.473	43	20541	9.336	ug/L #	86
21) Methyl tert-butyl ether	3.559	73	73807	8.377	ug/L #	87
25) 1,1-Dichloroethane	4.035	63	77486	10.557	ug/L	94
30) cis-1,2-Dichloroethene	4.542	96	62517	14.061	ug/L #	86
32) Bromochloromethane	4.729	128	23587	10.113	ug/L #	87
33) Cyclohexane	4.737	56	82266	10.310	ug/L	69
34) Chloroform	4.799	83	68344	10.139	ug/L	97
36) Carbon tetrachloride	4.940	117	68124	10.283	ug/L	98

Data Path : I:\VOLATILES\VOA122\2020\200701A\
Data File : V22200701A26.D
Acq On : 01 Jul 2020 07:01 pm
Operator : VOA122:AJK
Sample : WG1388388-6,31,0.2,10,,a
Misc : WG1388388,ICAL16903
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Jul 01 20:54:05 2020
Quant Method : I:\VOLATILES\VOA122\2020\200701A\V122_200617N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jun 18 17:18:38 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2020\200701A\V22200701A01.D
Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39) 1,1,1-Trichloroethane	5.002	97	67374	10.609	ug/L		98
41) 2-Butanone	5.096	43	12424	9.794	ug/L	#	71
44) Benzene	5.369	78	148234	8.963	ug/L	#	92
47) 1,2-Dichloroethane	5.564	62	56401	10.546	ug/L		99
50) Methyl cyclohexane	5.948	83	67582	9.610	ug/L	#	75
51) Trichloroethene	5.957	95	505743	110.537	ug/L		90
54) 1,2-Dichloropropane	6.493	63	40889	9.698	ug/L		94
57) Bromodichloromethane	6.562	83	48688	9.257	ug/L	#	99
60) 1,4-Dioxane	6.778	88	14310	753.982	ug/L	#	66
61) cis-1,3-Dichloropropene	7.254	75	51017	7.945	ug/L	#	91
64) Toluene	7.527	92	101593	9.057	ug/L		97
65) 4-Methyl-2-pentanone	7.964	58	10206	7.886	ug/L	#	91
66) Tetrachloroethene	7.971	166	52239	9.794	ug/L		98
68) trans-1,3-Dichloropropene	8.003	75	41962	7.400	ug/L		91
71) 1,1,2-Trichloroethane	8.190	83	23591	8.522	ug/L		96
72) Chlorodibromomethane	8.393	129	43745	9.056	ug/L		99
74) 1,2-Dibromoethane	8.666	107	31658	8.589	ug/L		99
76) 2-Hexanone	8.978	43	16505	6.976	ug/L		91
77) Chlorobenzene	9.321	112	122064	9.358	ug/L	#	85
78) Ethylbenzene	9.368	91	189401	9.096	ug/L		96
80) p/m Xylene	9.555	106	161584	18.712	ug/L		92
81) o Xylene	10.102	106	155368	18.450	ug/L		92
82) Styrene	10.172	104	244833	18.106	ug/L		94
84) Bromoform	10.187	173	24222	8.497	ug/L		98
86) Isopropylbenzene	10.492	105	119302	8.538	ug/L		97
91) 1,1,2,2-Tetrachloroethane	11.077	83	33904	8.117	ug/L		99
104) 1,3-Dichlorobenzene	11.981	146	105548	9.354	ug/L		99
105) 1,4-Dichlorobenzene	12.079	146	104001	9.328	ug/L		99
108) 1,2-Dichlorobenzene	12.503	146	94664	9.295	ug/L		98
110) 1,2-Dibromo-3-chloropr...	13.297	155	6534	8.113	ug/L		97
113) 1,2,4-Trichlorobenzene	13.930	180	48942	8.695	ug/L		96
115) 1,2,3-Trichlorobenzene	14.397	180	44325	8.655	ug/L		98

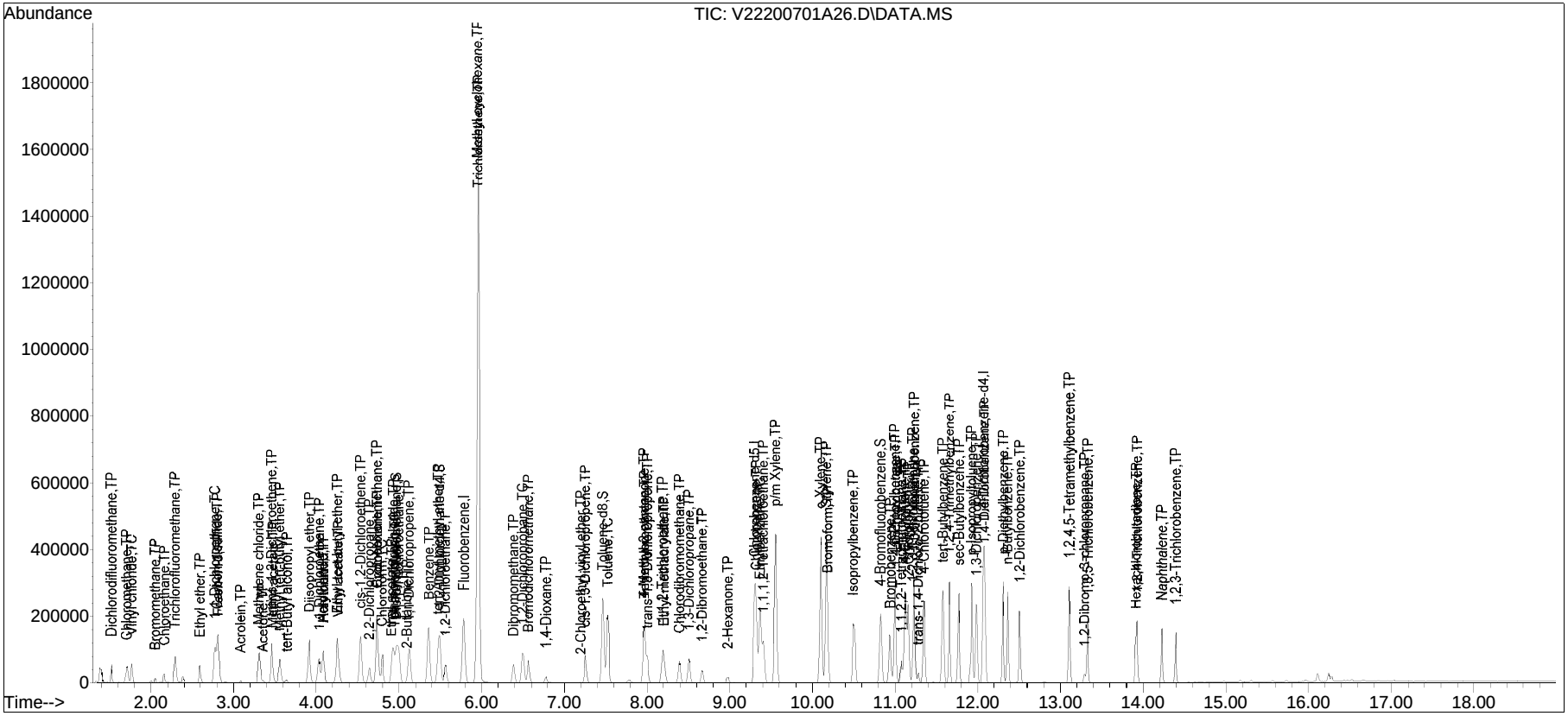
(#) = qualifier out of range (m) = manual integration (+) = signals summed

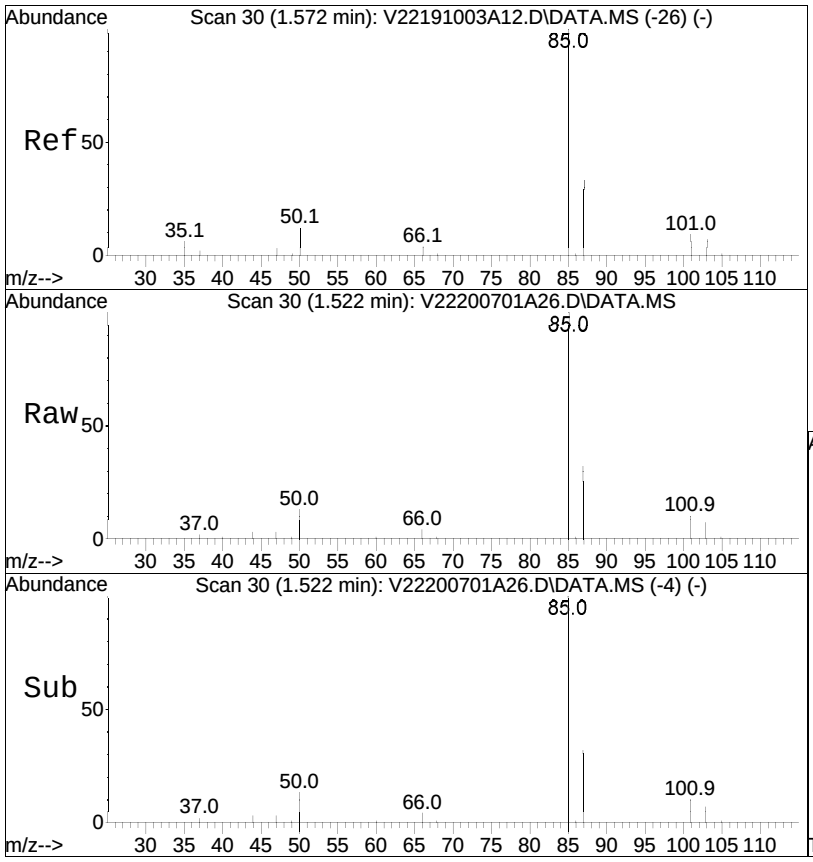
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2020\200701A\
Data File : V22200701A26.D
Acq On : 01 Jul 2020 07:01 pm
Operator : VOA122:AJK
Sample : WG1388388-6,31,0.2,10,,a
Misc : WG1388388,ICAL16903
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Jul 01 20:54:05 2020
Quant Method : I:\VOLATILES\VOA122\2020\200701A\V122_200617N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jun 18 17:18:38 2020
Response via : Initial Calibration

Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

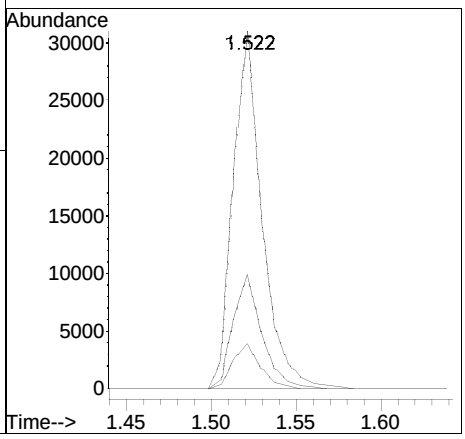


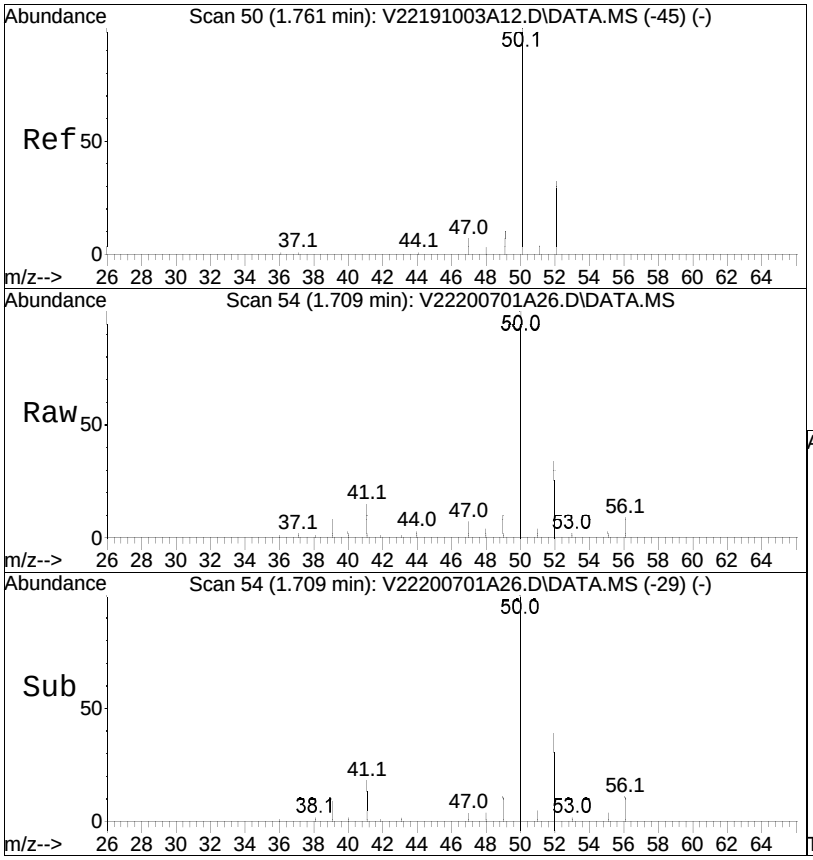


#2
Dichlorodifluoromethane
Concen: 9.76 ug/L
RT: 1.522 min Scan# 30
Delta R.T. -0.000 min
Lab File: V22200701A26.D
Acq: 01 Jul 2020 07:01 pm

Tgt Ion: 85 Resp: 36476

Ion	Ratio	Lower	Upper
85	100		
87	31.9	20.7	42.9
50	12.3	6.8	14.2

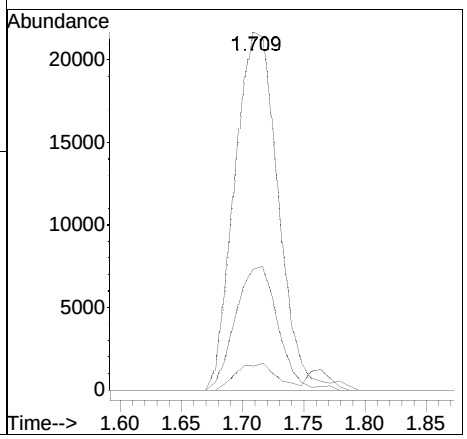


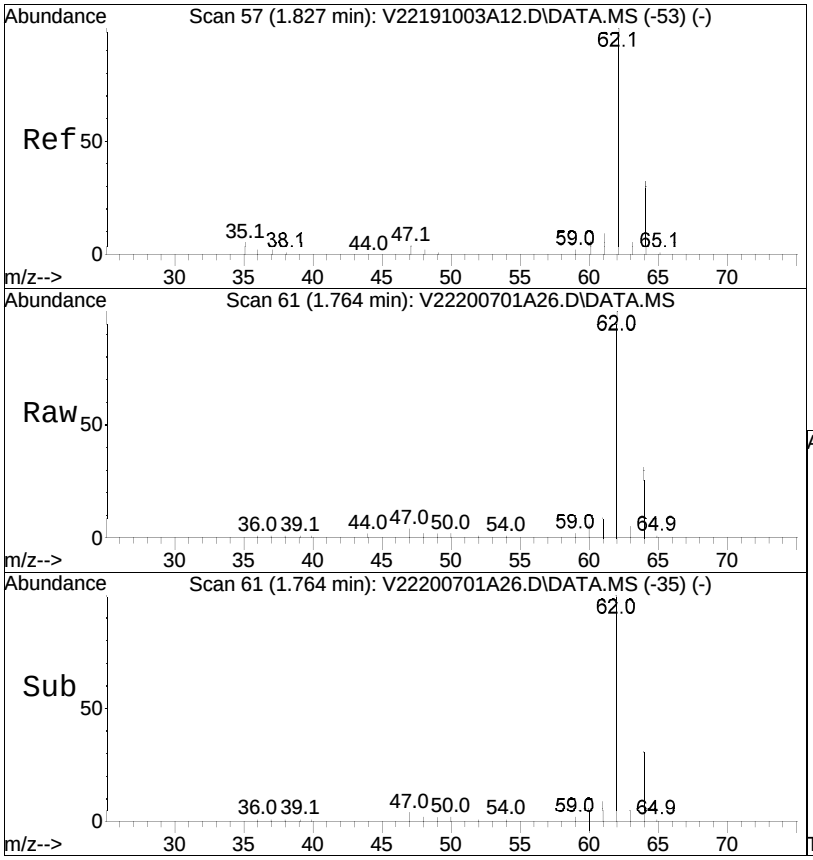


#3
Chloromethane
Concen: 11.07 ug/L
RT: 1.709 min Scan# 54
Delta R.T. -0.008 min
Lab File: V22200701A26.D
Acq: 01 Jul 2020 07:01 pm

Tgt Ion: 50 Resp: 53210

Ion	Ratio	Lower	Upper
50	100		
52	33.6	12.8	52.8
47	7.0	0.0	30.0

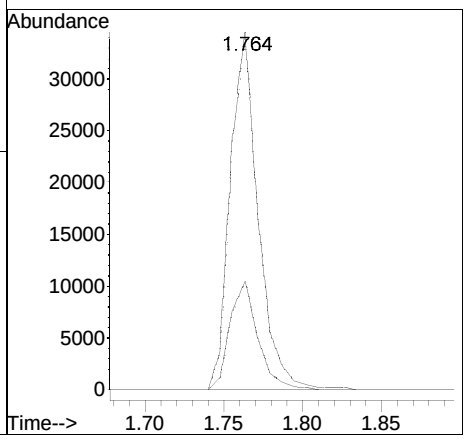


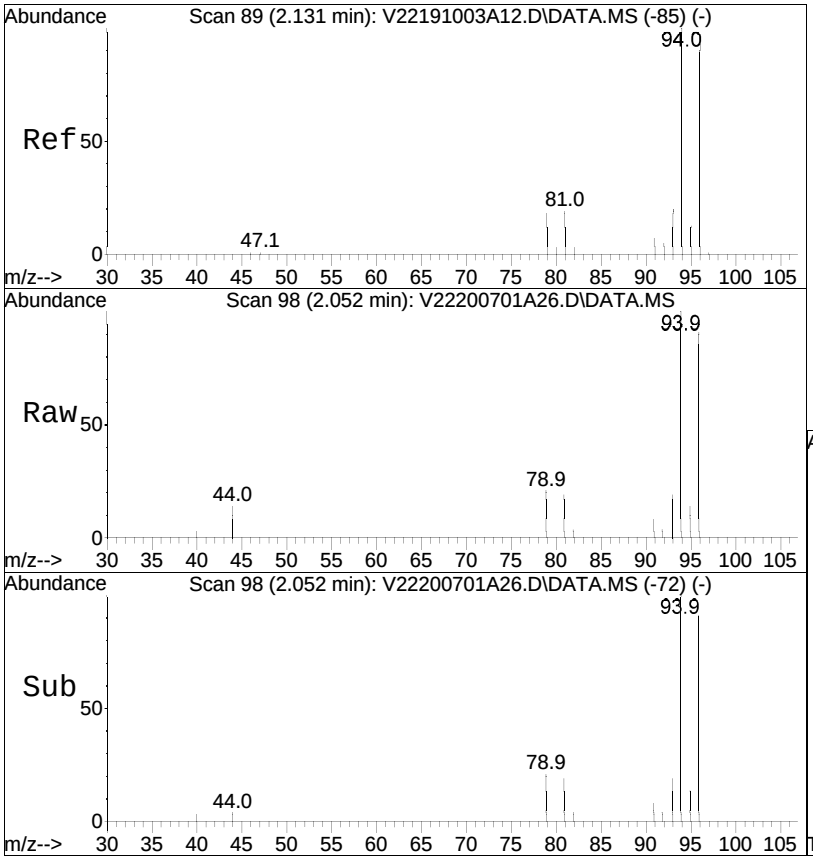


#4
Vinyl chloride
Concen: 9.75 ug/L
RT: 1.764 min Scan# 61
Delta R.T. -0.000 min
Lab File: V22200701A26.D
Acq: 01 Jul 2020 07:01 pm

Tgt Ion: 62 Resp: 41917

Ion	Ratio	Lower	Upper
62	100		
64	30.6	12.0	52.0

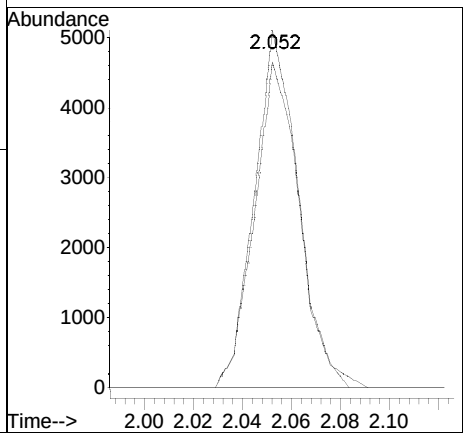


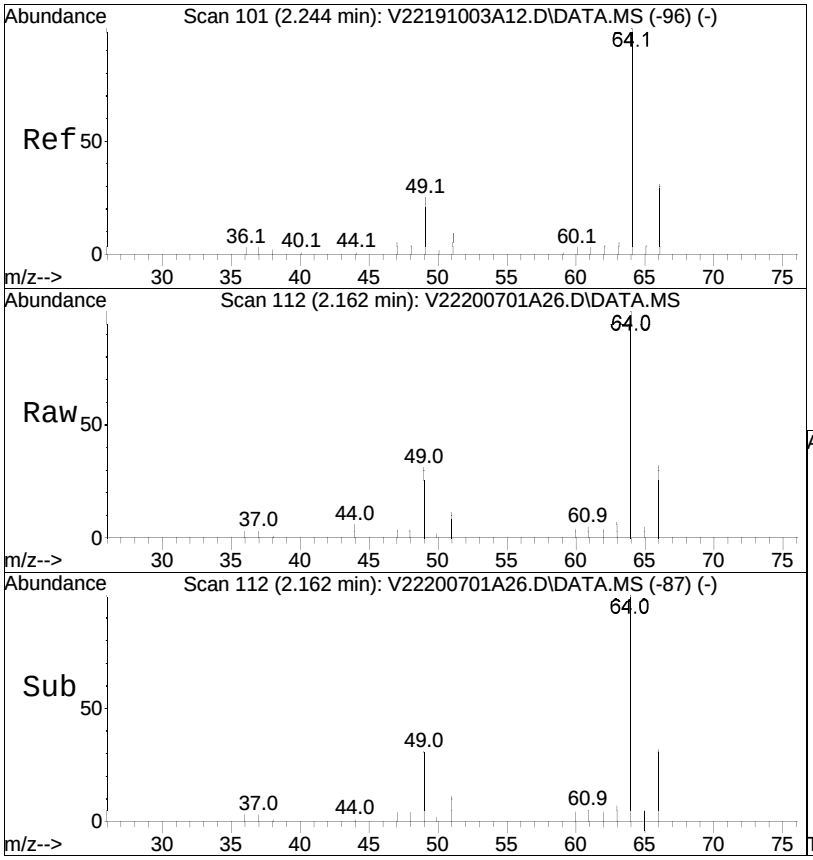


#5
Bromomethane
Concen: 2.96 ug/L
RT: 2.052 min Scan# 98
Delta R.T. -0.001 min
Lab File: V22200701A26.D
Acq: 01 Jul 2020 07:01 pm

Tgt Ion: 94 Resp: 6251

Ion	Ratio	Lower	Upper
94	100		
96	94.3	72.8	112.8

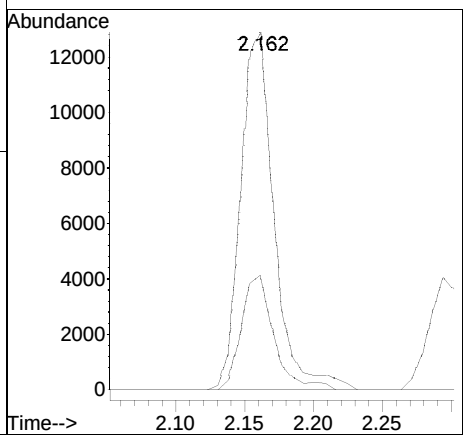


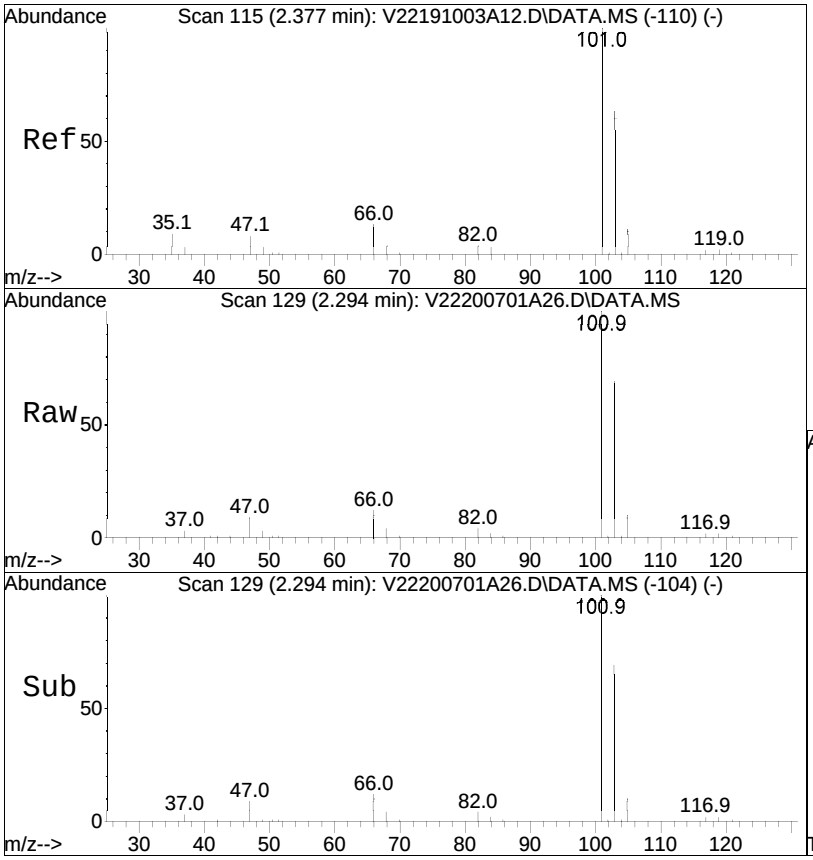


#6
Chloroethane
Concen: 9.52 ug/L
RT: 2.162 min Scan# 112
Delta R.T. -0.008 min
Lab File: V22200701A26.D
Acq: 01 Jul 2020 07:01 pm

Tgt Ion: 64 Resp: 21606

Ion	Ratio	Lower	Upper
64	100		
66	31.4	12.2	52.2

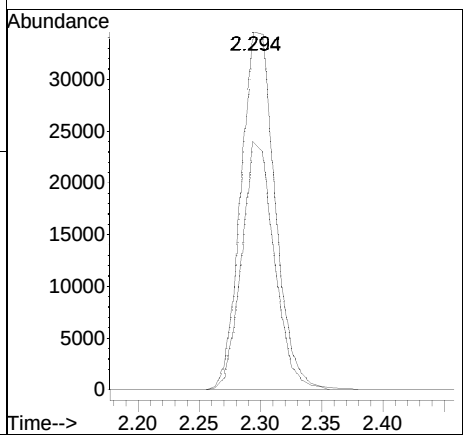


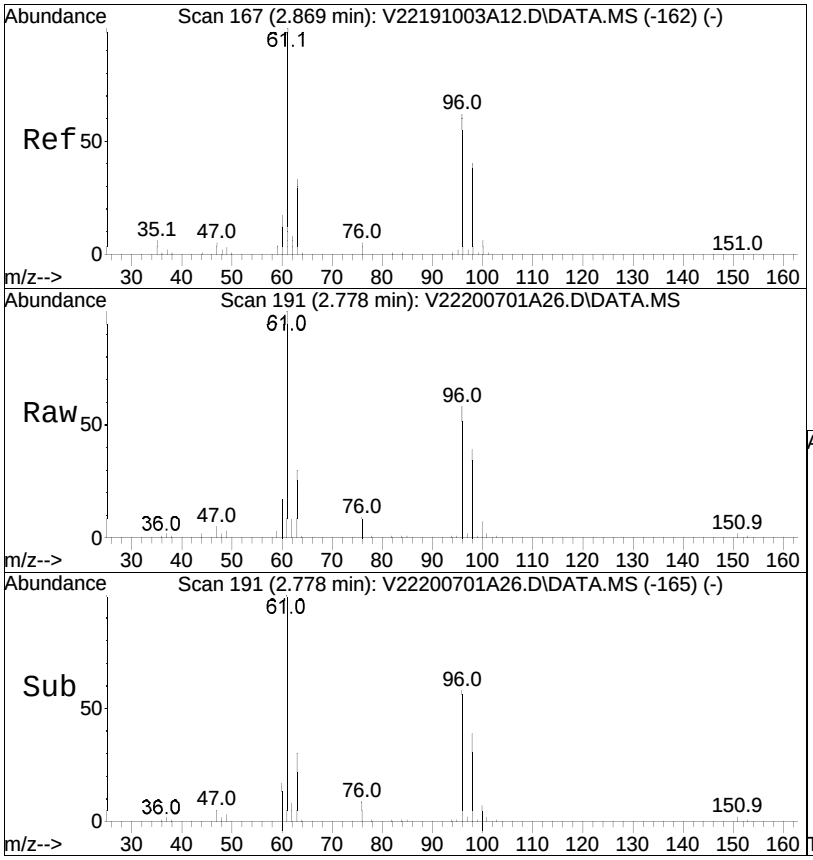


#7
Trichlorofluoromethane
Concen: 11.11 ug/L
RT: 2.294 min Scan# 129
Delta R.T. -0.008 min
Lab File: V22200701A26.D
Acq: 01 Jul 2020 07:01 pm

Tgt Ion:101 Resp: 66636

Ion	Ratio	Lower	Upper
101	100		
103	66.0	51.6	77.4

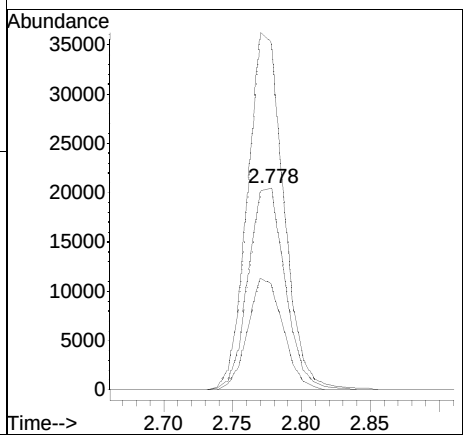


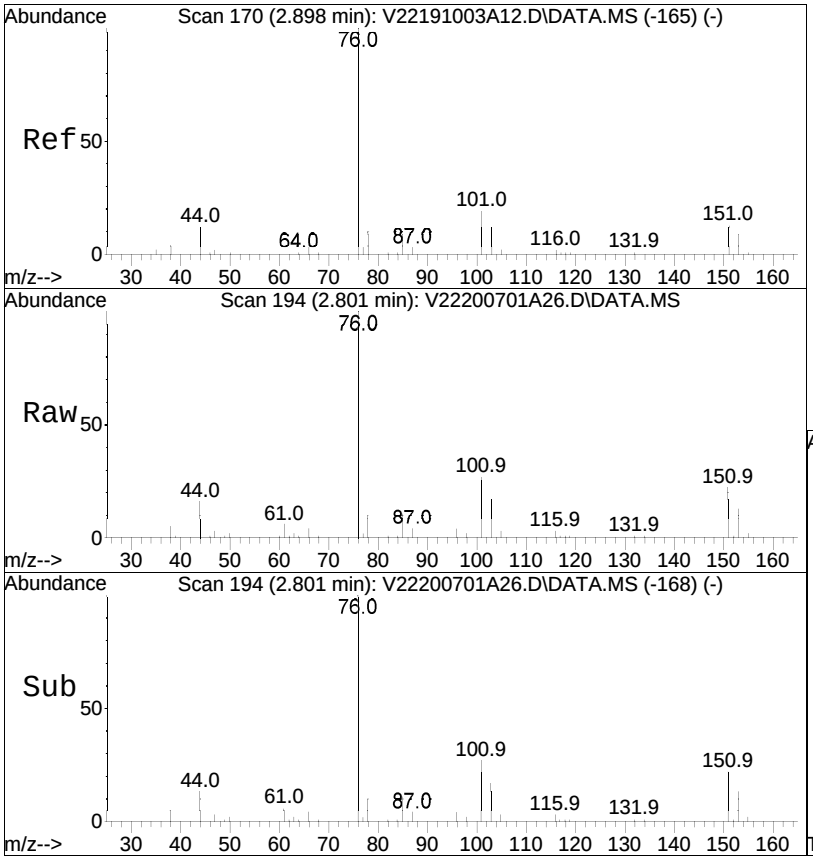


#10
1,1-Dichloroethene
Concen: 10.09 ug/L
RT: 2.778 min Scan# 191
Delta R.T. 0.000 min
Lab File: V22200701A26.D
Acq: 01 Jul 2020 07:01 pm

Tgt Ion: 96 Resp: 37889

Ion	Ratio	Lower	Upper
96	100		
61	173.2	117.0	175.4
63	52.9	37.8	56.6

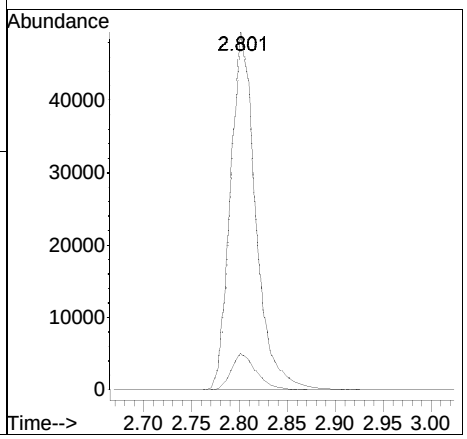


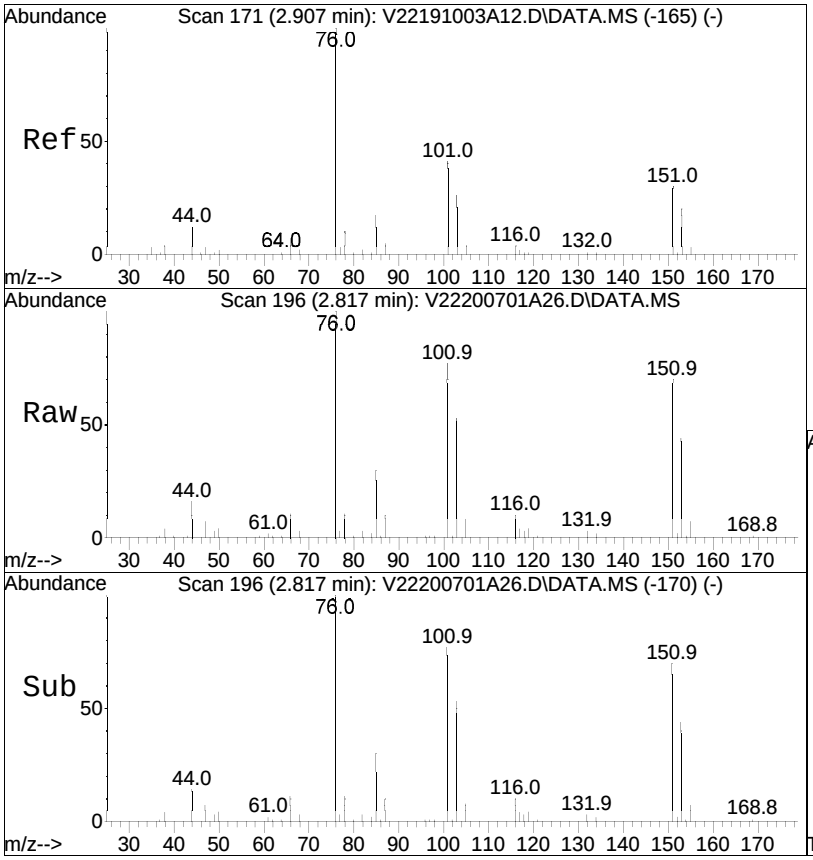


#11
Carbon disulfide
Concen: 9.66 ug/L
RT: 2.801 min Scan# 194
Delta R.T. -0.001 min
Lab File: V22200701A26.D
Acq: 01 Jul 2020 07:01 pm

Tgt Ion: 76 Resp: 89905

Ion	Ratio	Lower	Upper
76	100		
78	10.3	6.4	13.4

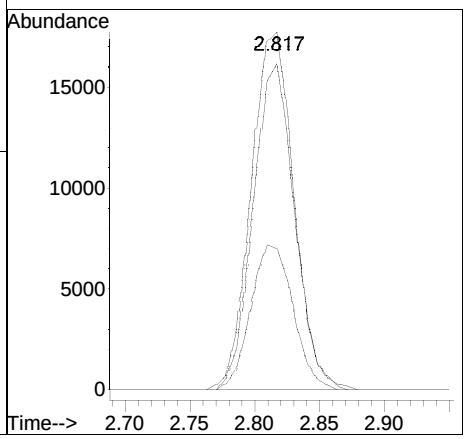


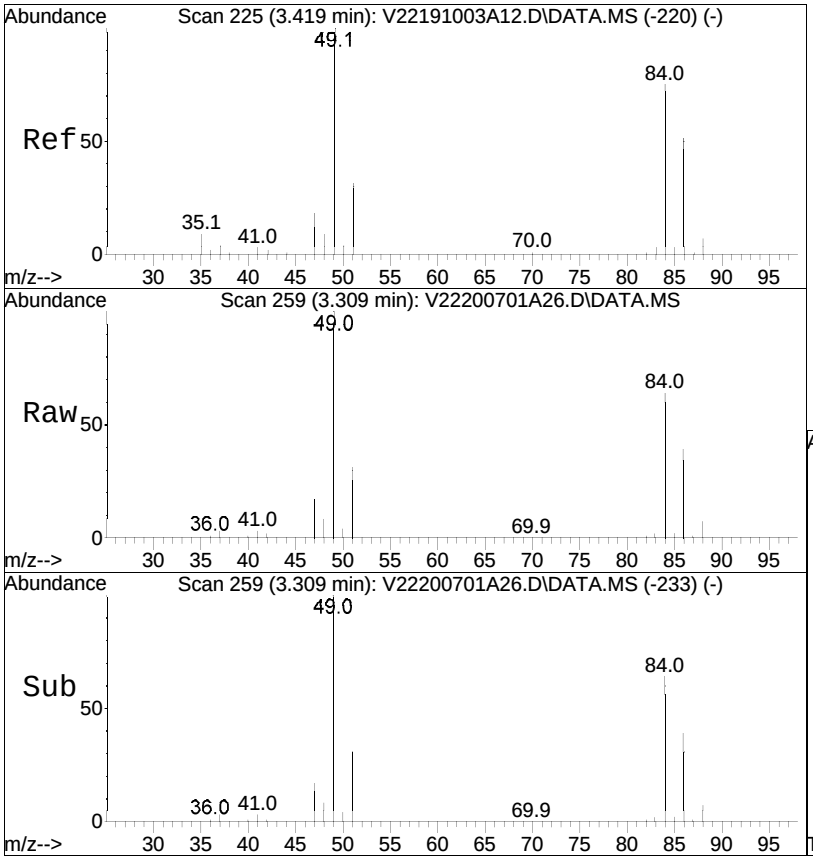


#12
Freon-113
Concen: 10.56 ug/L
RT: 2.817 min Scan# 196
Delta R.T. 0.000 min
Lab File: V22200701A26.D
Acq: 01 Jul 2020 07:01 pm

Tgt Ion:101 Resp: 40337

Ion	Ratio	Lower	Upper
101	100		
151	88.2	68.5	102.7
85	40.2	33.1	49.7

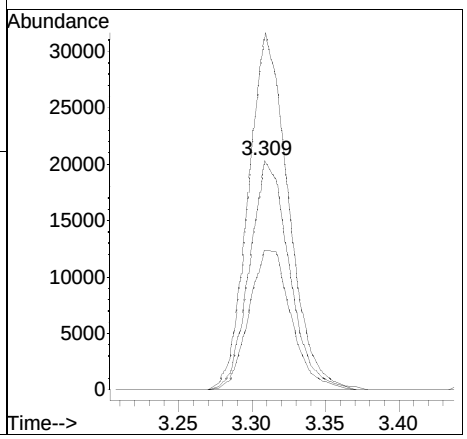


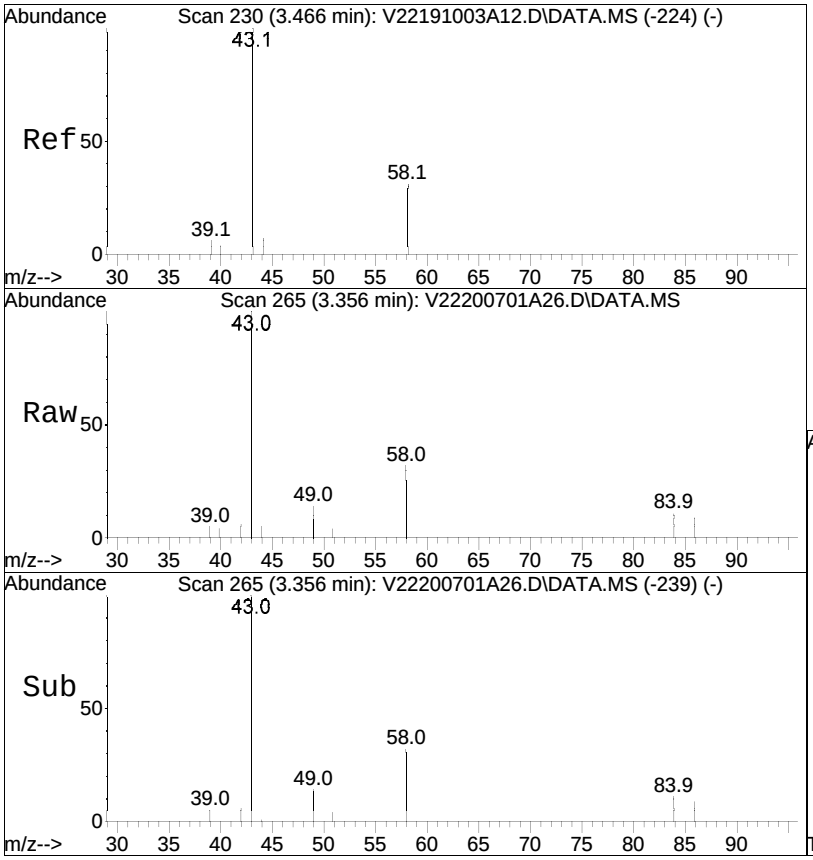


#15
Methylene chloride
Concen: 9.42 ug/L
RT: 3.309 min Scan# 259
Delta R.T. -0.000 min
Lab File: V22200701A26.D
Acq: 01 Jul 2020 07:01 pm

Tgt Ion: 84 Resp: 37905

Ion	Ratio	Lower	Upper
84	100		
86	64.8	41.5	86.3
49	157.3	68.8	143.0#

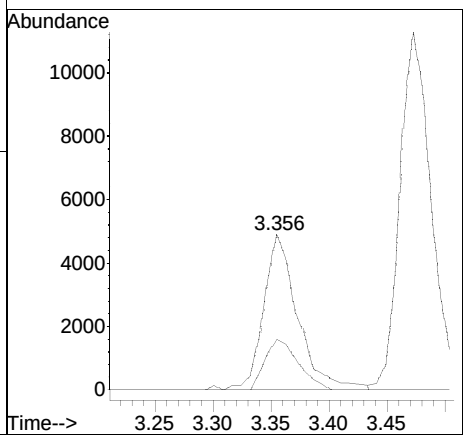


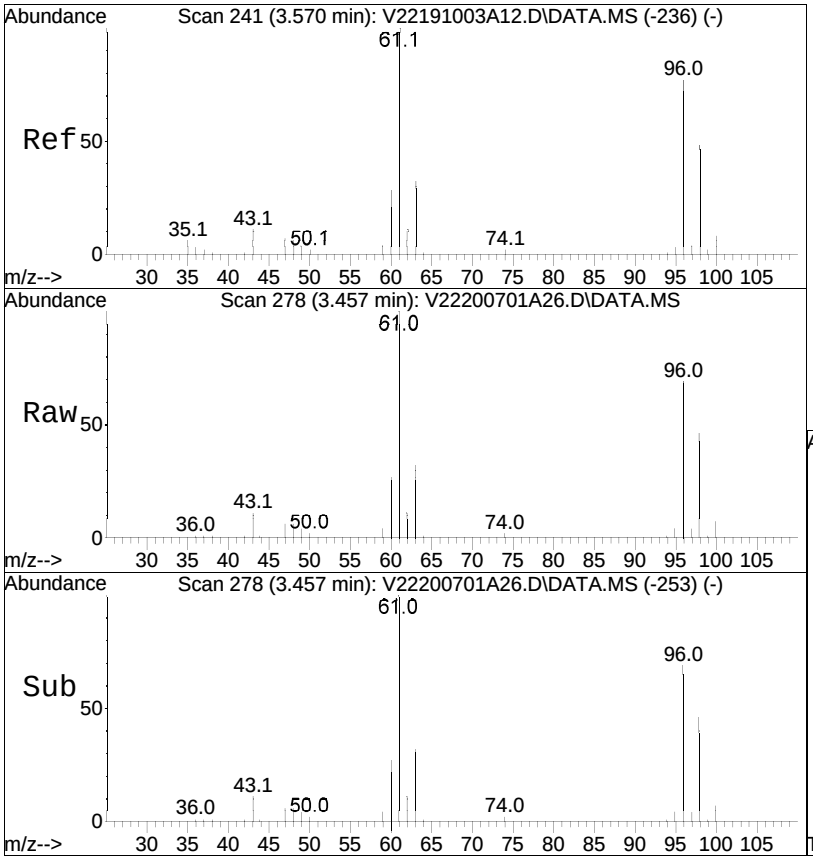


#17
Acetone
Concen: 13.07 ug/L
RT: 3.356 min Scan# 265
Delta R.T. -0.000 min
Lab File: V22200701A26.D
Acq: 01 Jul 2020 07:01 pm

Tgt Ion: 43 Resp: 10135

Ion	Ratio	Lower	Upper
43	100		
58	31.4	23.1	34.7

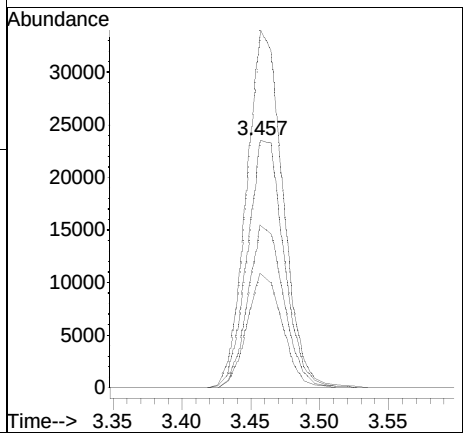


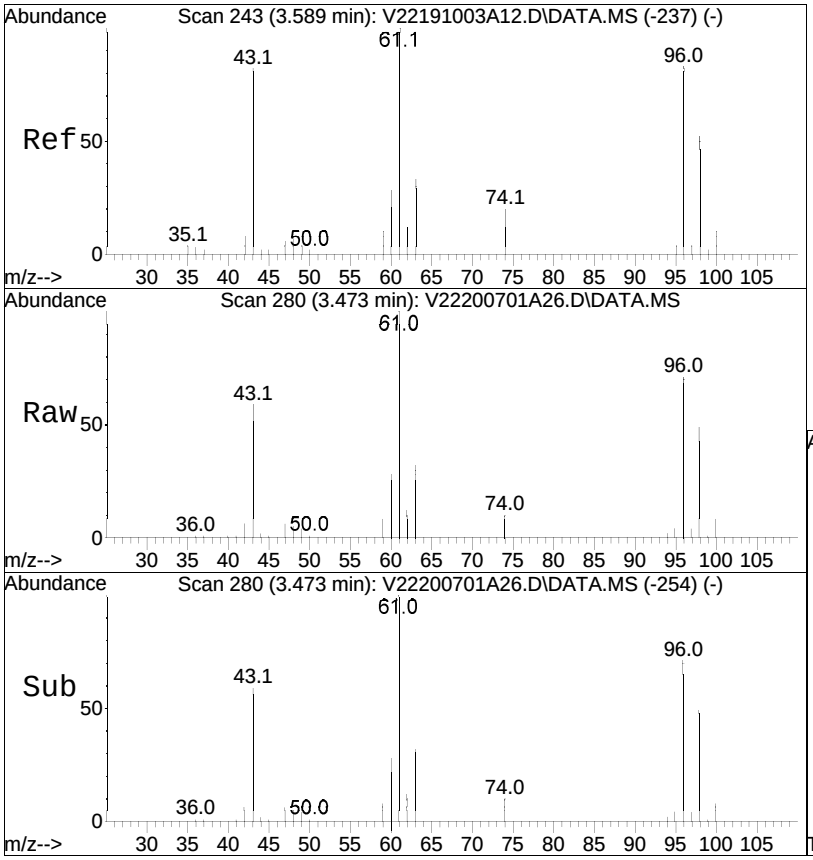


#18
trans-1,2-Dichloroethene
Concen: 10.47 ug/L
RT: 3.457 min Scan# 278
Delta R.T. -0.008 min
Lab File: V22200701A26.D
Acq: 01 Jul 2020 07:01 pm

Tgt Ion: 96 Resp: 43123

Ion	Ratio	Lower	Upper
96	100		
61	143.7	81.6	169.6
98	64.8	41.8	86.8
63	44.7	26.3	54.7

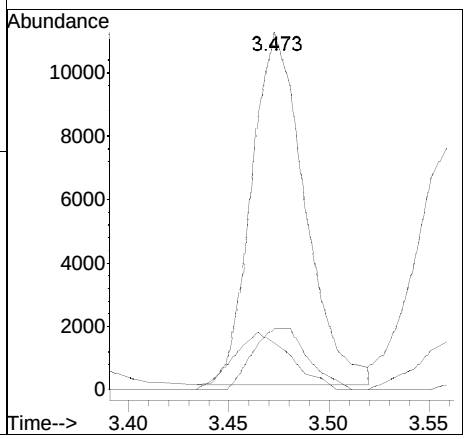


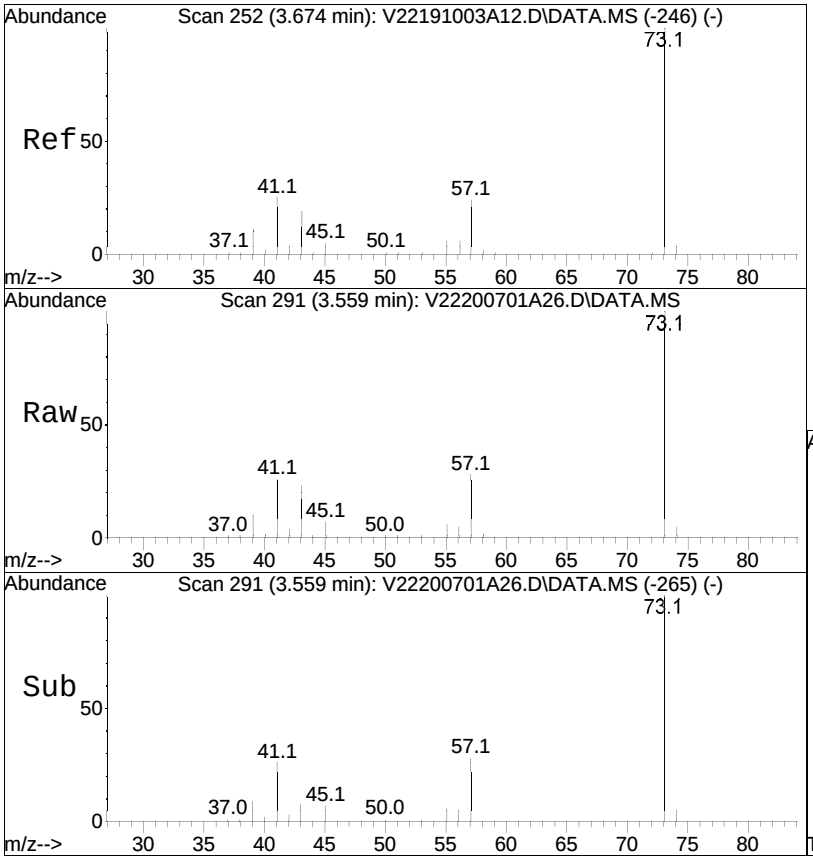


#19
Methyl acetate
Concen: 9.34 ug/L
RT: 3.473 min Scan# 280
Delta R.T. -0.000 min
Lab File: V22200701A26.D
Acq: 01 Jul 2020 07:01 pm

Tgt Ion: 43 Resp: 20541

Ion	Ratio	Lower	Upper
43	100		
74	18.1	21.8	32.6#
59	17.6	18.1	27.1#

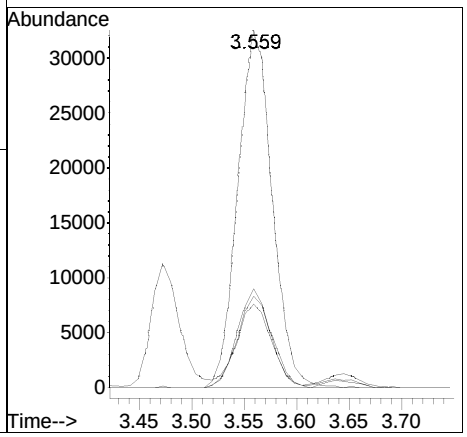


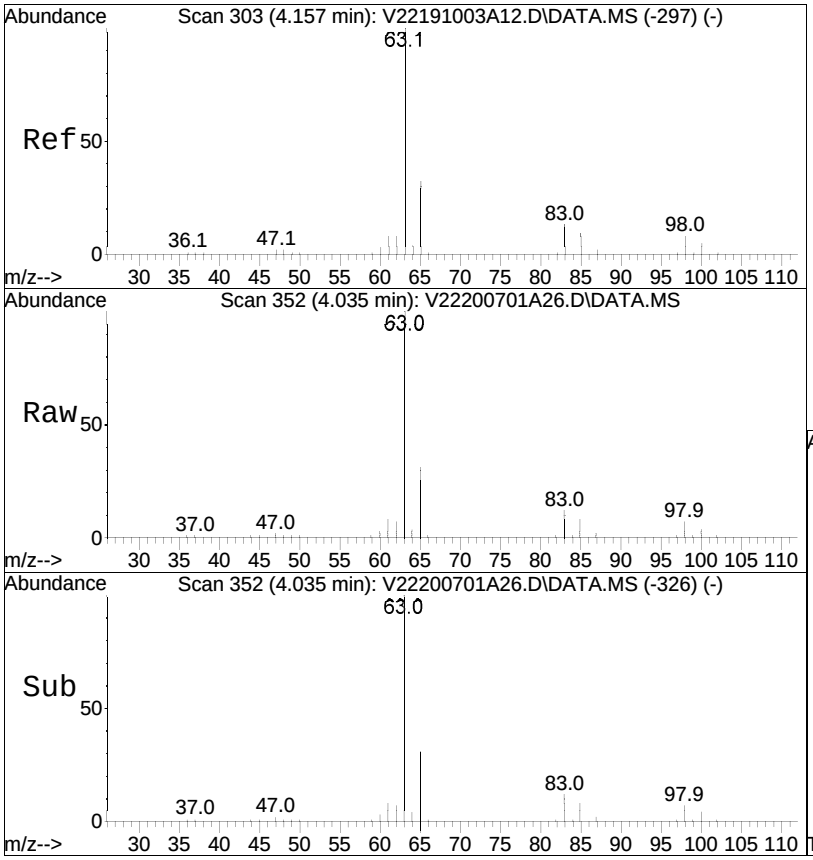


#21
Methyl tert-butyl ether
Concen: 8.38 ug/L
RT: 3.559 min Scan# 291
Delta R.T. -0.000 min
Lab File: V22200701A26.D
Acq: 01 Jul 2020 07:01 pm

Tgt Ion: 73 Resp: 73807

Ion	Ratio	Lower	Upper
73	100		
57	27.3	13.6	28.2
43	23.4	12.7	26.5
41	25.4	11.4	23.8#

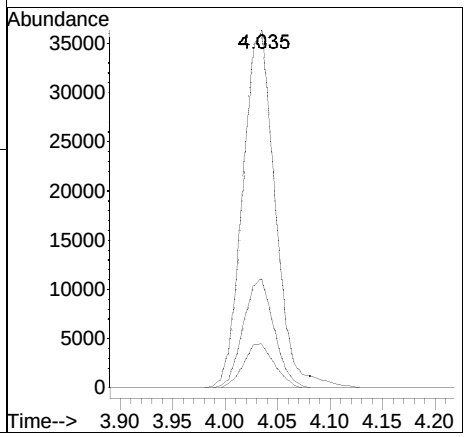


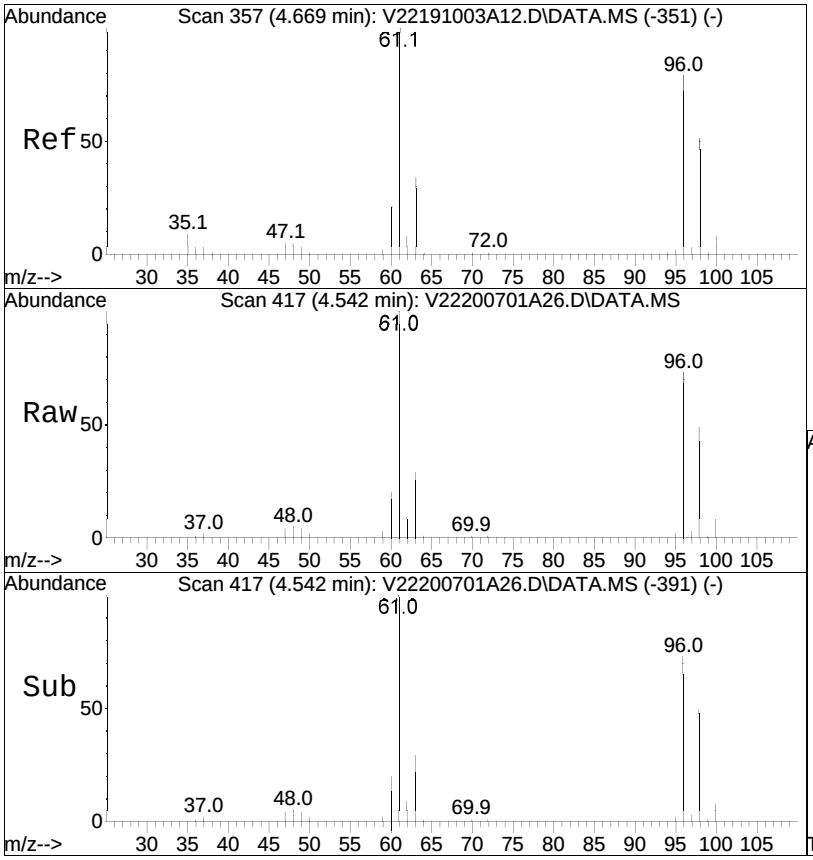


#25
1,1-Dichloroethane
Concen: 10.56 ug/L
RT: 4.035 min Scan# 352
Delta R.T. -0.000 min
Lab File: V22200701A26.D
Acq: 01 Jul 2020 07:01 pm

Tgt Ion: 63 Resp: 77486

Ion	Ratio	Lower	Upper
63	100		
65	28.9	11.9	51.9
83	11.8	0.0	34.2

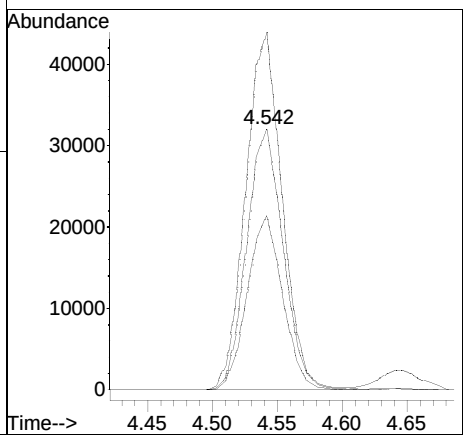


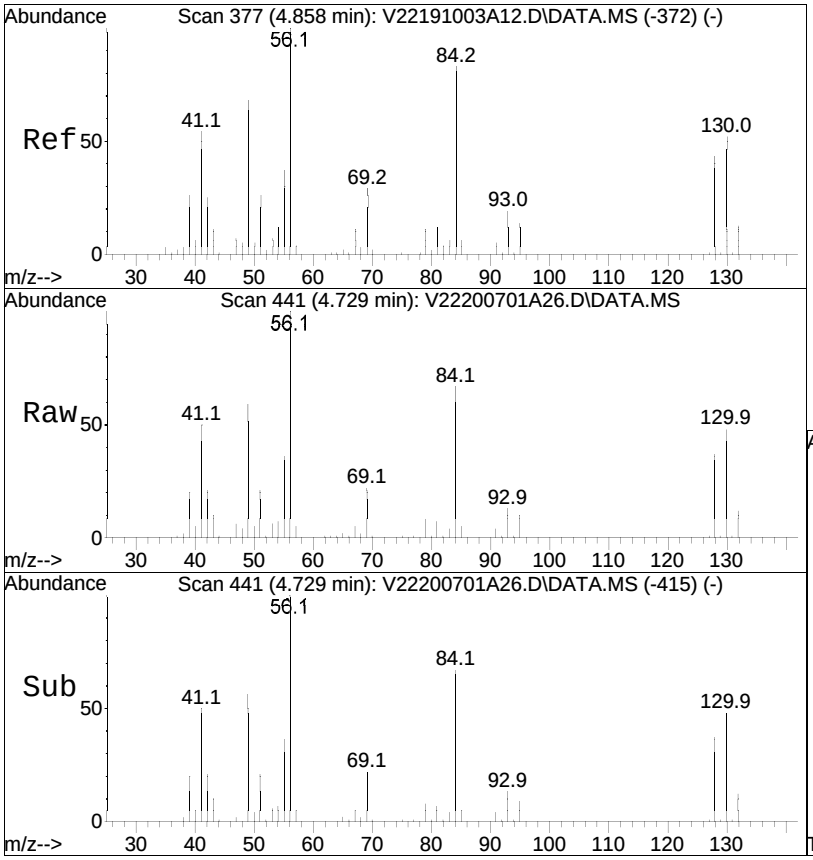


#30
cis-1,2-Dichloroethene
Concen: 14.06 ug/L
RT: 4.542 min Scan# 417
Delta R.T. -0.000 min
Lab File: V22200701A26.D
Acq: 01 Jul 2020 07:01 pm

Tgt Ion: 96 Resp: 62517

Ion	Ratio	Lower	Upper
96	100		
61	136.1	90.3	135.5#
98	64.9	50.8	76.2

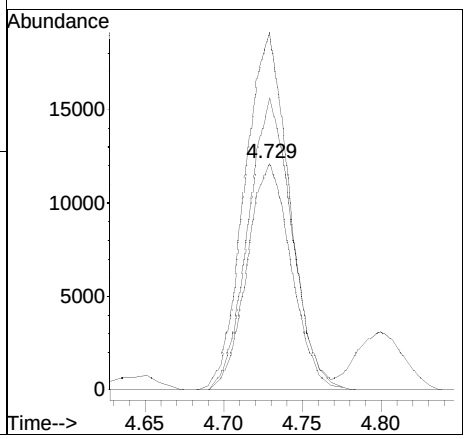


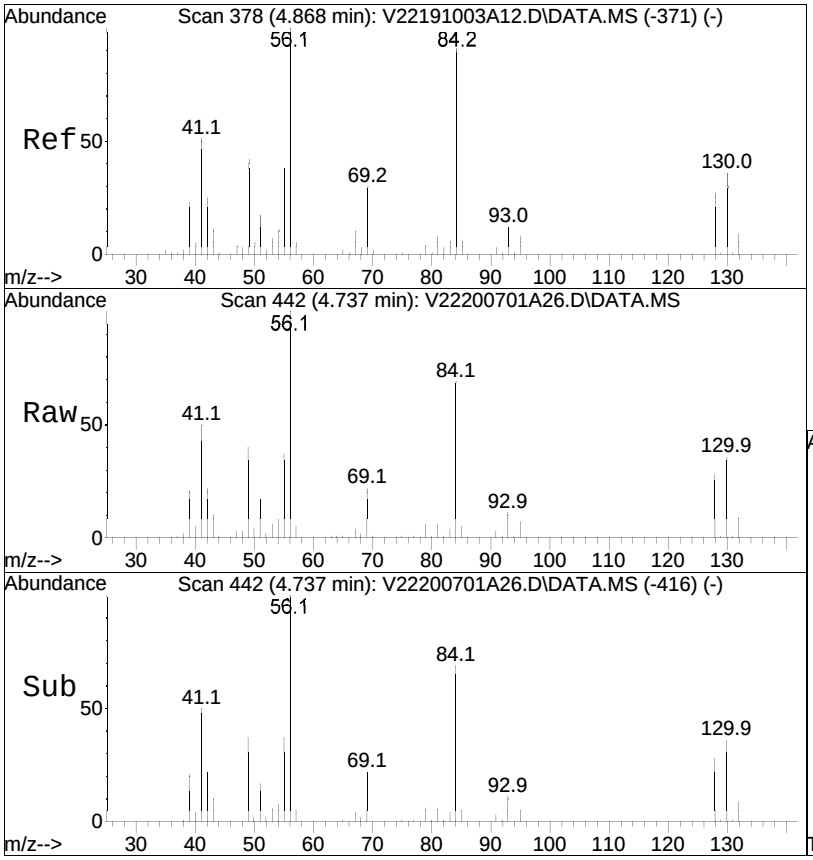


#32
Bromochloromethane
Concen: 10.11 ug/L
RT: 4.729 min Scan# 441
Delta R.T. 0.000 min
Lab File: V22200701A26.D
Acq: 01 Jul 2020 07:01 pm

Tgt Ion:128 Resp: 23587

Ion	Ratio	Lower	Upper
128	100		
49	159.2	104.4	156.6#
130	127.8	103.9	155.9

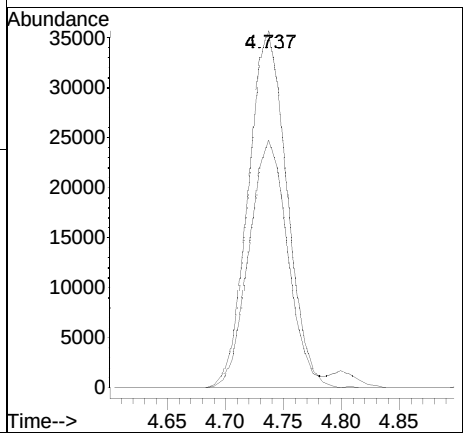


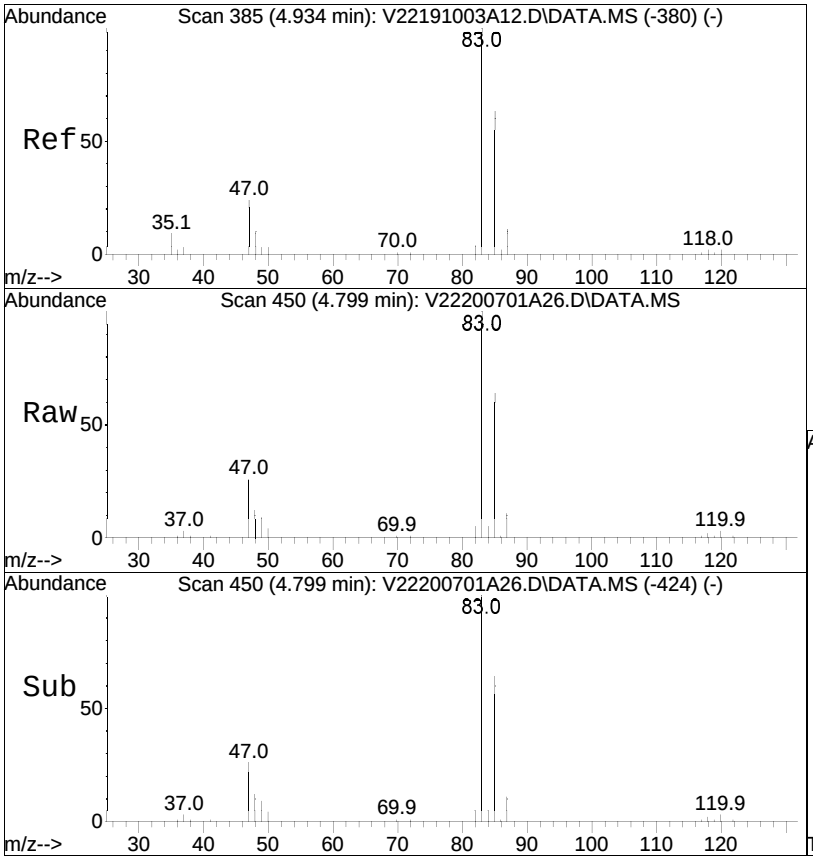


#33
Cyclohexane
Concen: 10.31 ug/L
RT: 4.737 min Scan# 442
Delta R.T. 0.000 min
Lab File: V22200701A26.D
Acq: 01 Jul 2020 07:01 pm

Tgt Ion: 56 Resp: 82266

Ion	Ratio	Lower	Upper
56	100		
84	69.9	66.0	137.2

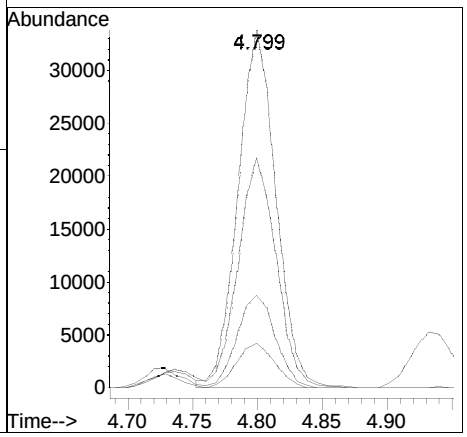


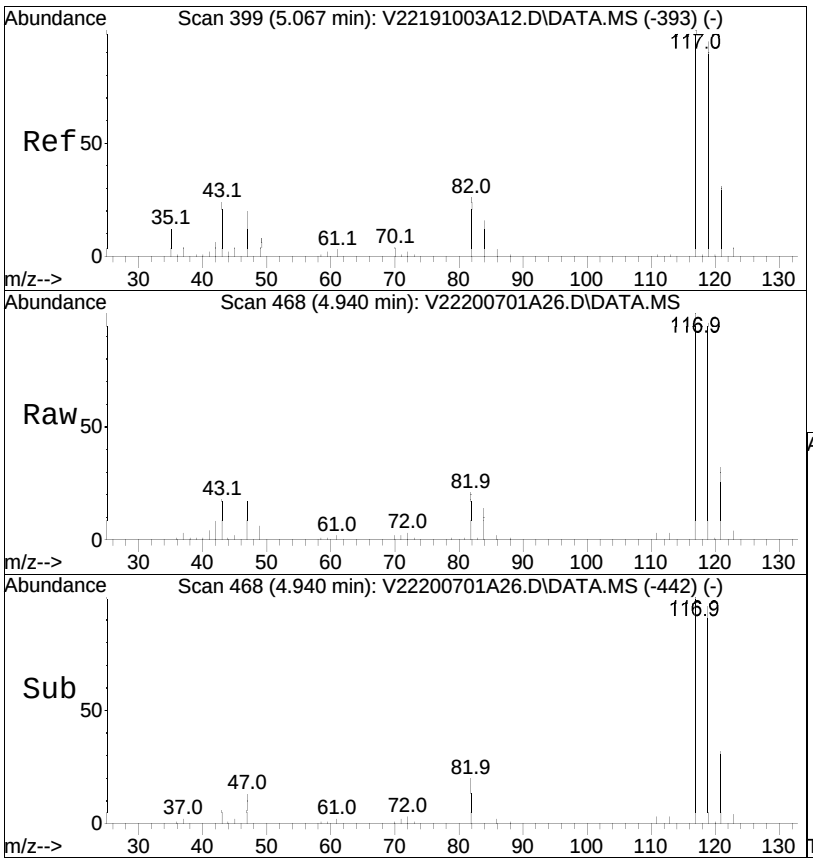


#34
Chloroform
Concen: 10.14 ug/L
RT: 4.799 min Scan# 450
Delta R.T. -0.001 min
Lab File: V22200701A26.D
Acq: 01 Jul 2020 07:01 pm

Tgt Ion: 83 Resp: 68344

Ion	Ratio	Lower	Upper
83	100		
85	64.5	42.4	88.2
47	26.3	14.0	29.0
48	12.6	6.9	14.3

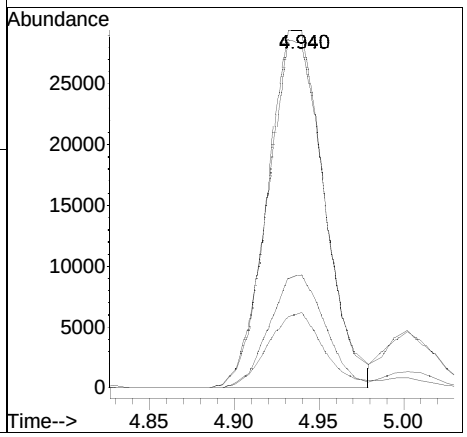


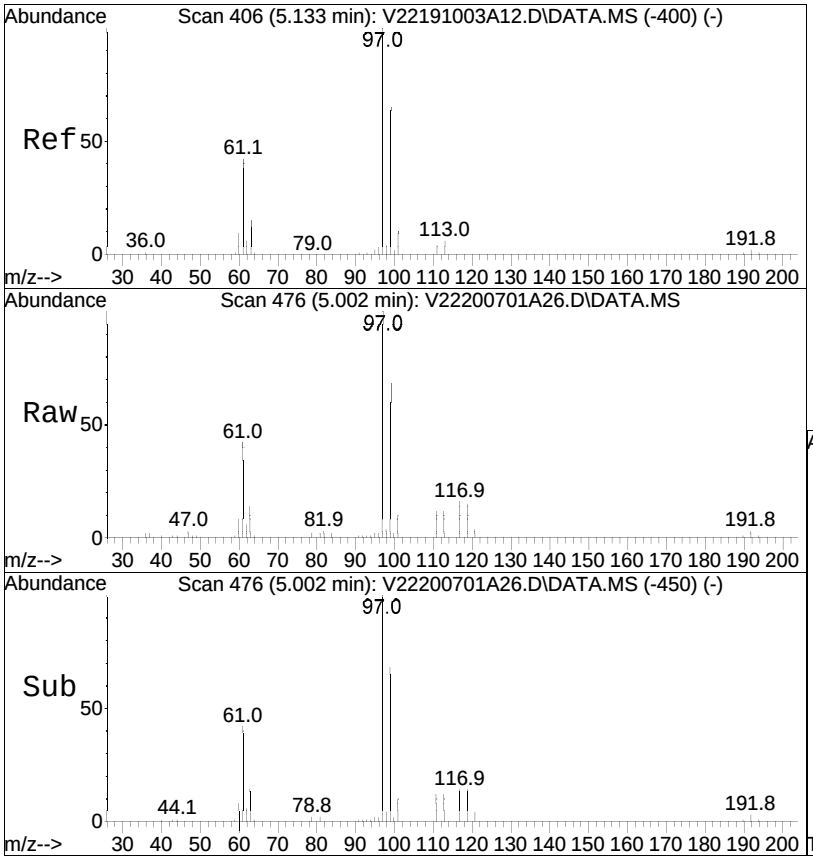


#36
Carbon tetrachloride
Concen: 10.28 ug/L
RT: 4.940 min Scan# 468
Delta R.T. -0.000 min
Lab File: V22200701A26.D
Acq: 01 Jul 2020 07:01 pm

Tgt Ion:117 Resp: 68124

Ion	Ratio	Lower	Upper
117	100		
119	97.2	62.1	129.1
121	31.1	20.3	42.3
82	21.5	15.4	32.0

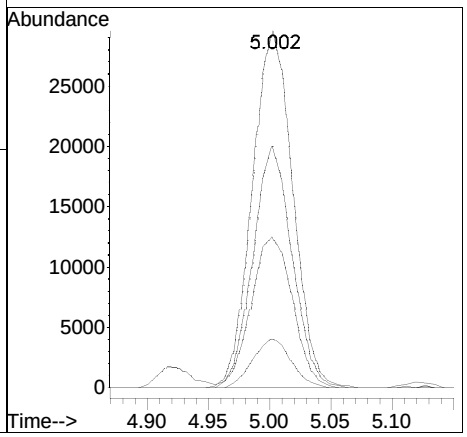


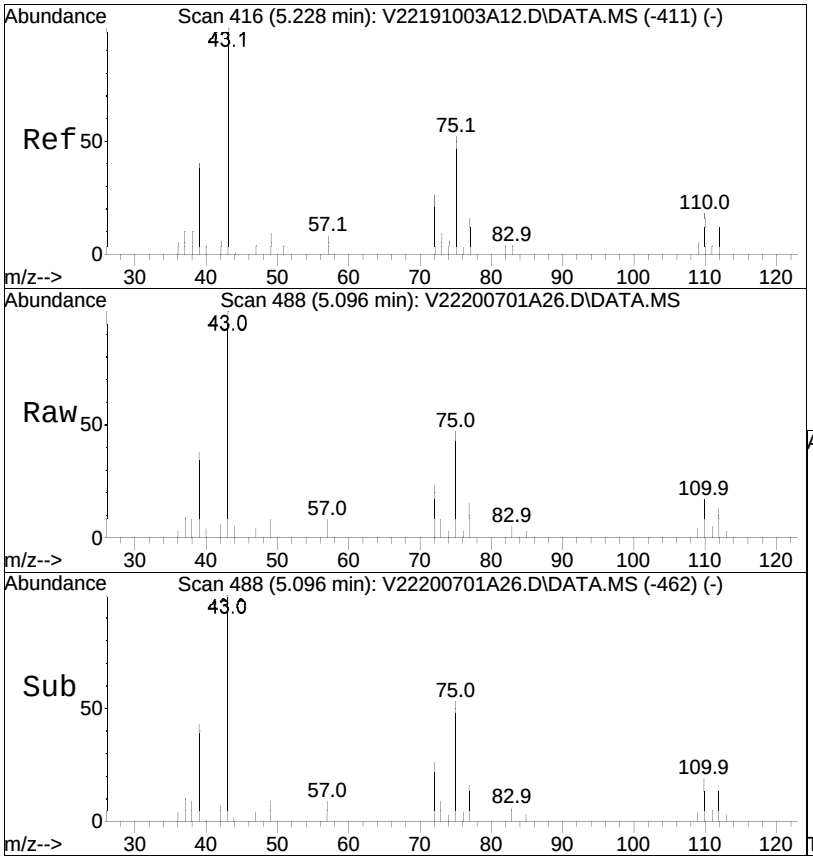


#39
1,1,1-Trichloroethane
Concen: 10.61 ug/L
RT: 5.002 min Scan# 476
Delta R.T. -0.001 min
Lab File: V22200701A26.D
Acq: 01 Jul 2020 07:01 pm

Tgt Ion: 97 Resp: 67374

Ion	Ratio	Lower	Upper
97	100		
99	65.6	42.4	88.0
61	43.6	26.0	54.0
63	13.1	8.3	17.3

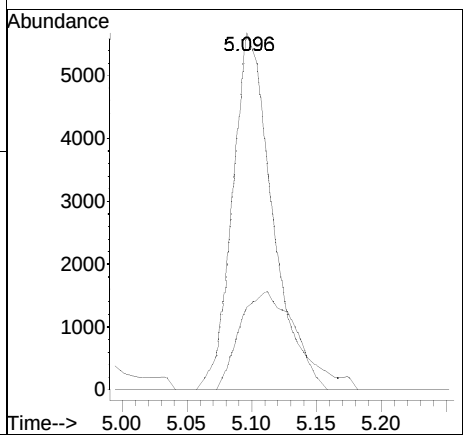


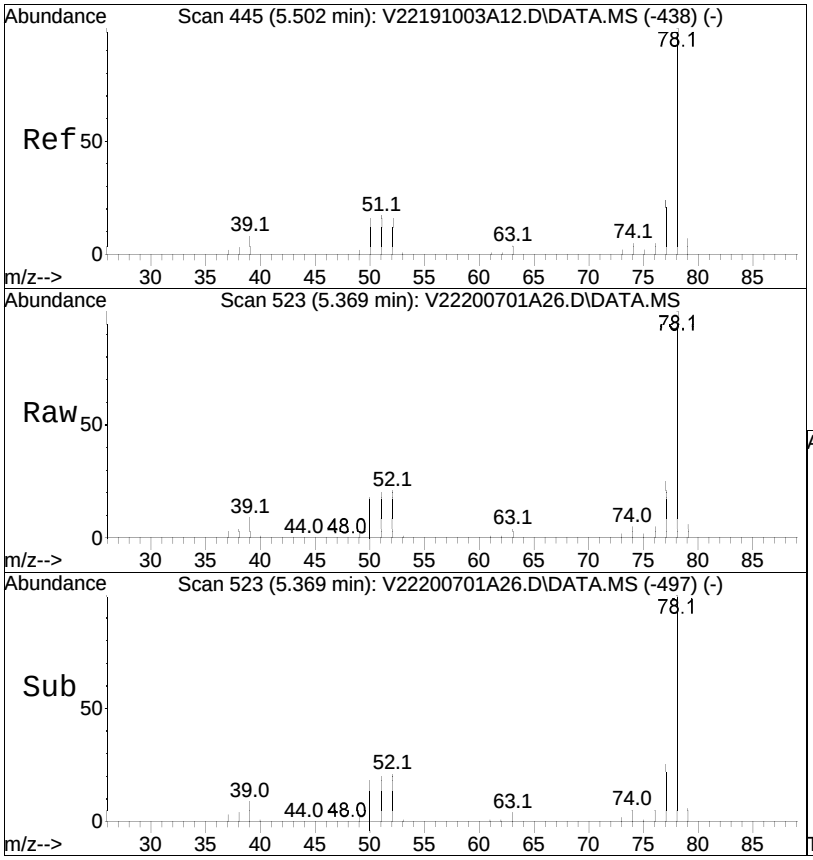


#41
2-Butanone
Concen: 9.79 ug/L
RT: 5.096 min Scan# 488
Delta R.T. 0.000 min
Lab File: V22200701A26.D
Acq: 01 Jul 2020 07:01 pm

Tgt Ion: 43 Resp: 12424

Ion	Ratio	Lower	Upper
43	100		
72	36.2	45.8	68.8#

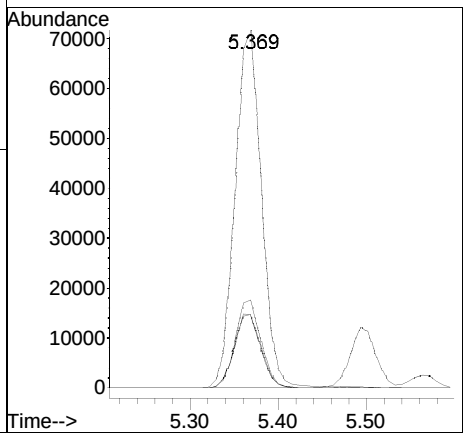


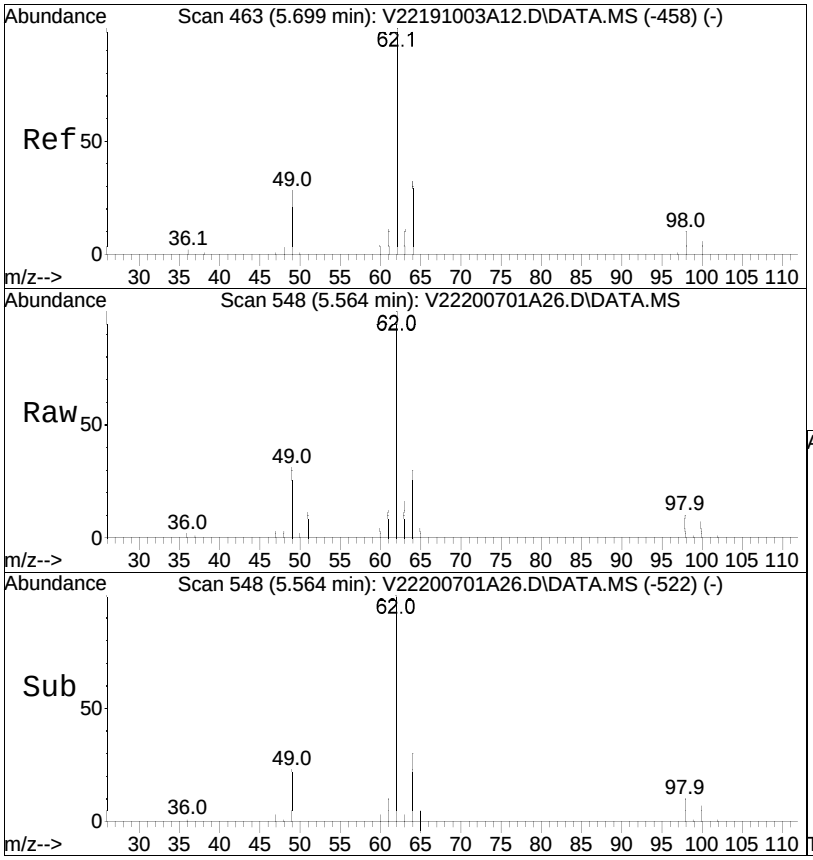


#44
Benzene
Concen: 8.96 ug/L
RT: 5.369 min Scan# 523
Delta R.T. 0.000 min
Lab File: V22200701A26.D
Acq: 01 Jul 2020 07:01 pm

Tgt Ion: 78 Resp: 148234

Ion	Ratio	Lower	Upper
78	100		
77	24.0	15.4	32.0
51	20.6	9.8	20.4#
52	20.9	9.2	19.2#

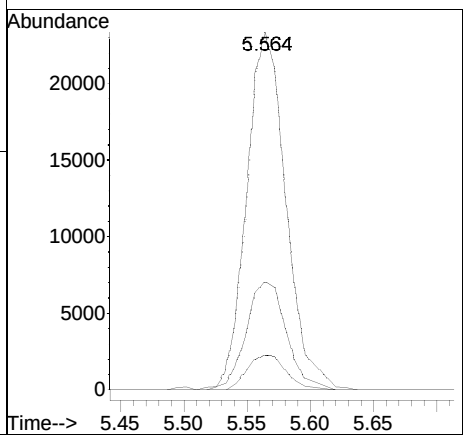


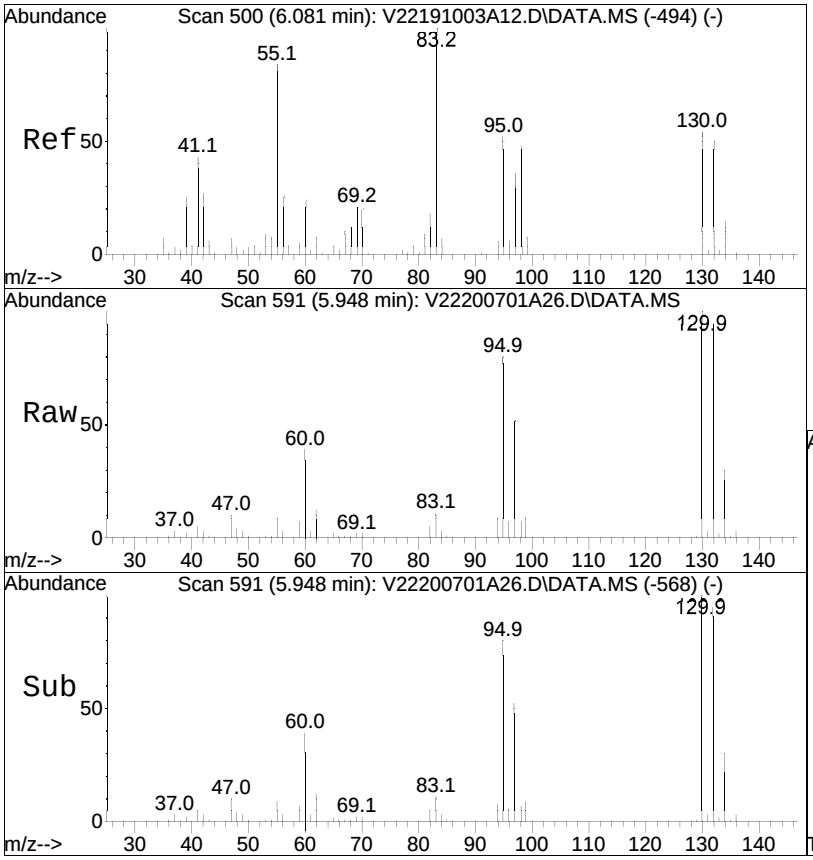


#47
1,2-Dichloroethane
Concen: 10.55 ug/L
RT: 5.564 min Scan# 548
Delta R.T. -0.001 min
Lab File: V22200701A26.D
Acq: 01 Jul 2020 07:01 pm

Tgt Ion: 62 Resp: 56401

Ion	Ratio	Lower	Upper
62	100		
64	31.7	12.3	52.3
98	10.1	0.0	30.3

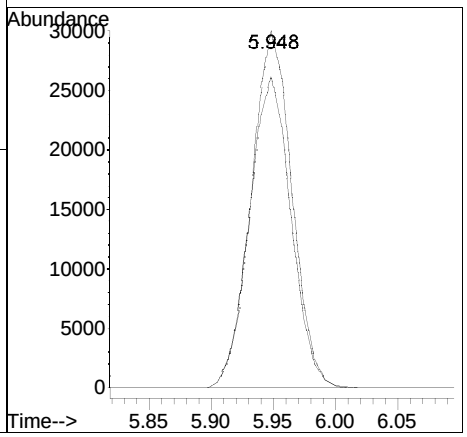


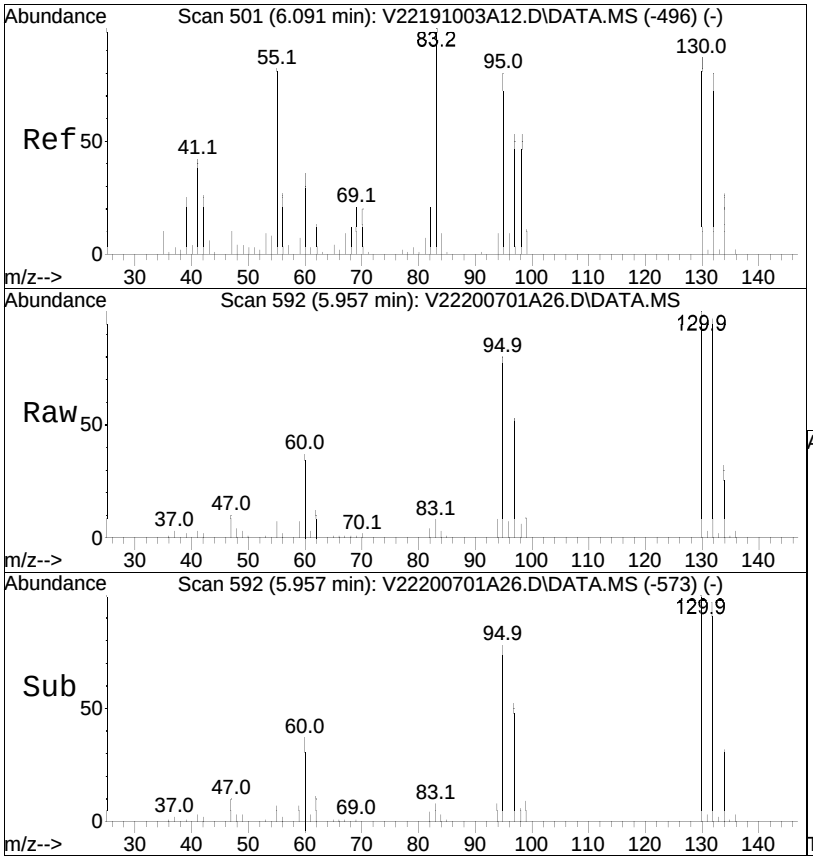


#50
Methyl cyclohexane
Concen: 9.61 ug/L
RT: 5.948 min Scan# 591
Delta R.T. -0.001 min
Lab File: V22200701A26.D
Acq: 01 Jul 2020 07:01 pm

Tgt Ion: 83 Resp: 67582

Ion	Ratio	Lower	Upper
83	100		
55	89.4	55.4	83.2#

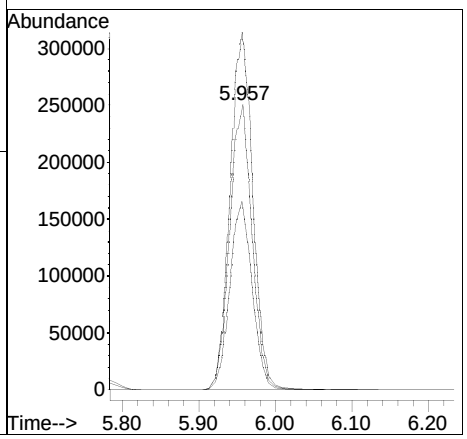


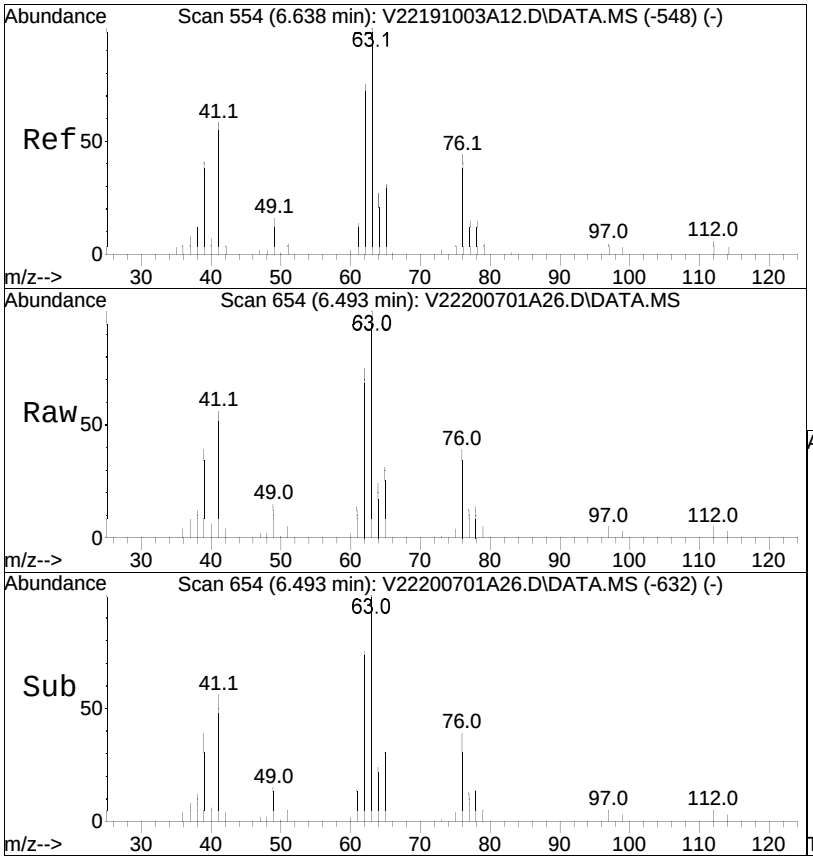


#51
Trichloroethene
Concen: 110.54 ug/L
RT: 5.957 min Scan# 592
Delta R.T. -0.000 min
Lab File: V22200701A26.D
Acq: 01 Jul 2020 07:01 pm

Tgt Ion: 95 Resp: 505743

Ion	Ratio	Lower	Upper
95	100		
97	66.0	55.0	82.4
130	127.3	89.2	133.8

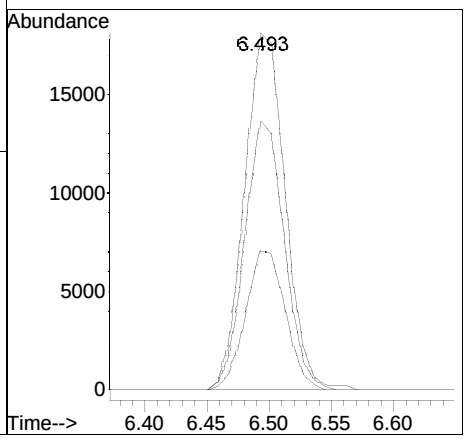


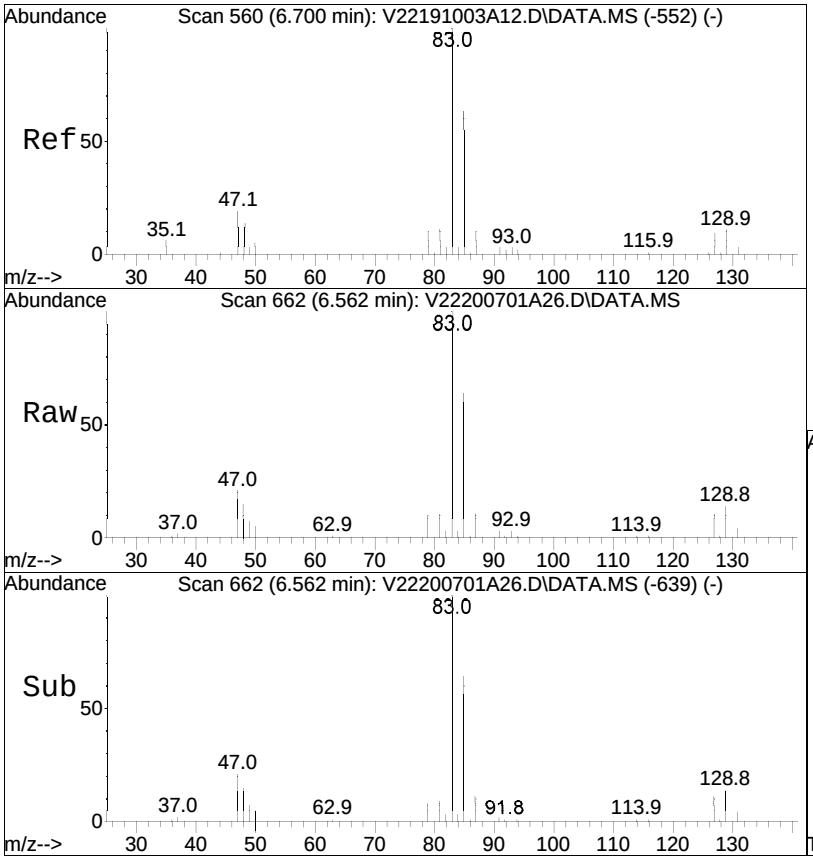


#54
1,2-Dichloropropane
Concen: 9.70 ug/L
RT: 6.493 min Scan# 654
Delta R.T. -0.009 min
Lab File: V22200701A26.D
Acq: 01 Jul 2020 07:01 pm

Tgt Ion: 63 Resp: 40889

Ion	Ratio	Lower	Upper
63	100		
62	73.5	56.9	85.3
76	38.3	35.8	53.8

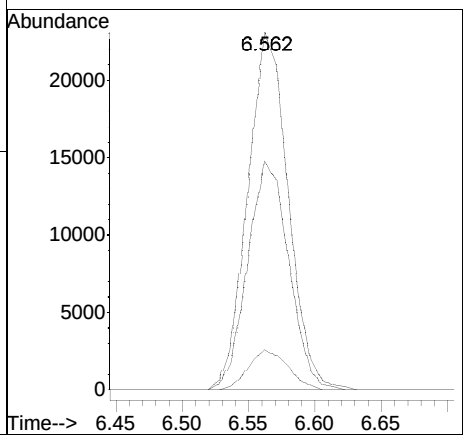


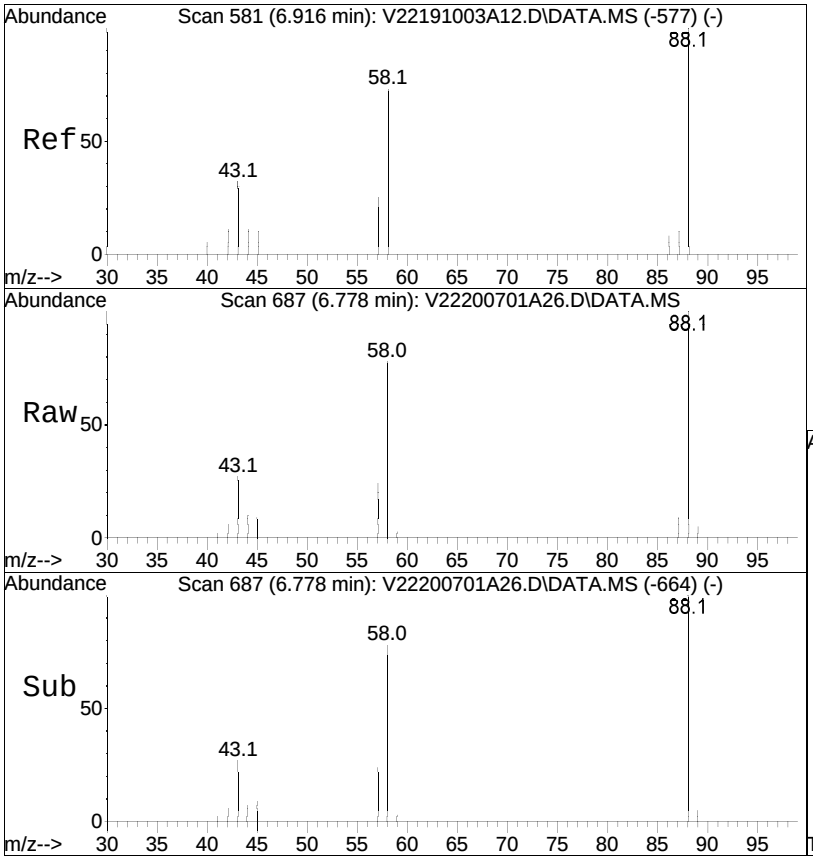


#57
Bromodichloromethane
Concen: 9.26 ug/L
RT: 6.562 min Scan# 662
Delta R.T. -0.001 min
Lab File: V22200701A26.D
Acq: 01 Jul 2020 07:01 pm

Tgt Ion: 83 Resp: 48688

Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.6	77.4
127	11.1	7.4	11.0#

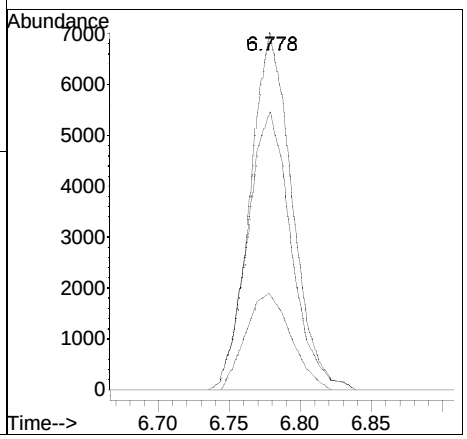


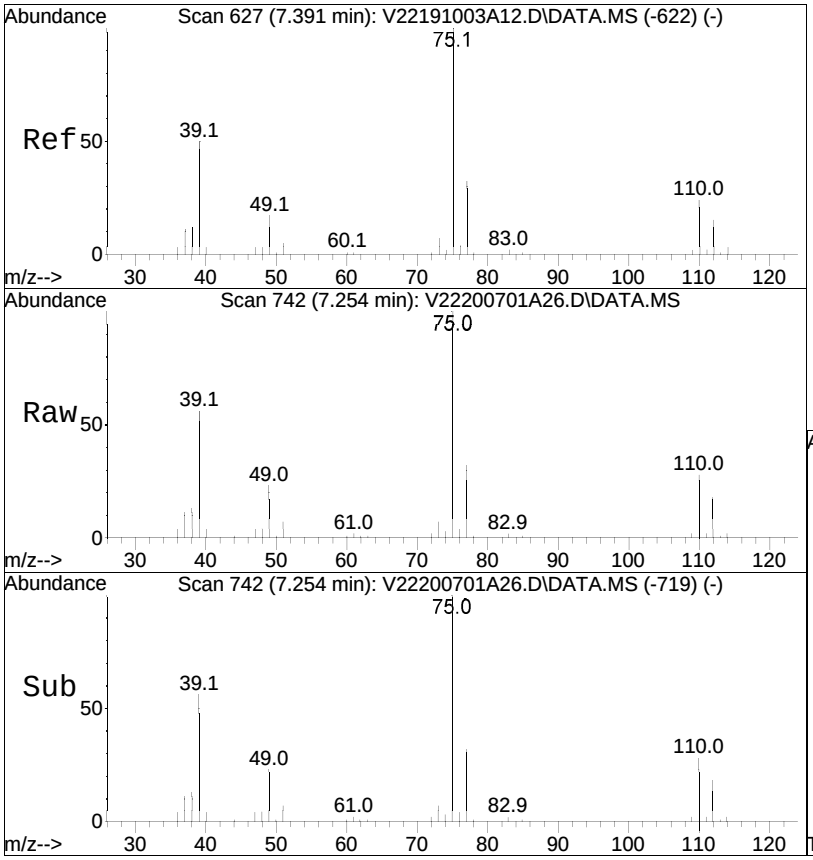


#60
1,4-Dioxane
Concen: 753.98 ug/L
RT: 6.778 min Scan# 687
Delta R.T. -0.001 min
Lab File: V22200701A26.D
Acq: 01 Jul 2020 07:01 pm

Tgt Ion: 88 Resp: 14310

Ion	Ratio	Lower	Upper
88	100		
58	81.0	43.3	64.9#
43	29.3	15.1	22.7#

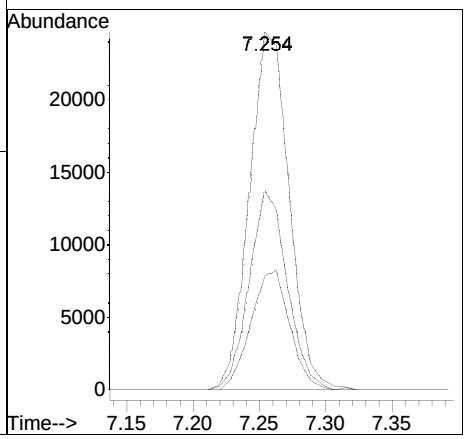


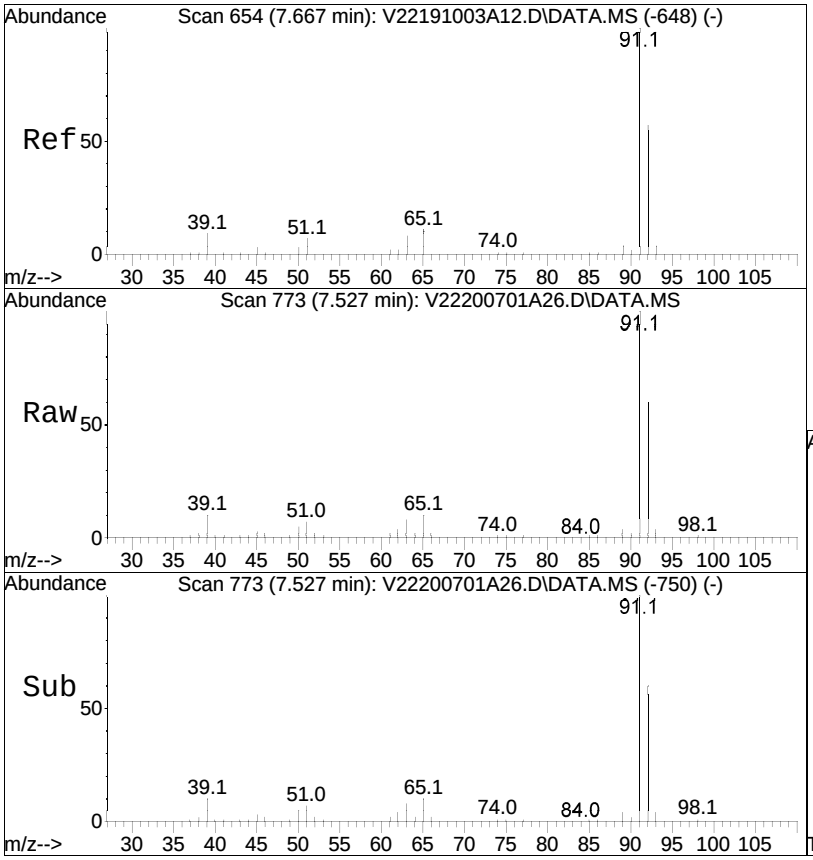


#61
cis-1,3-Dichloropropene
Concen: 7.94 ug/L
RT: 7.254 min Scan# 742
Delta R.T. 0.000 min
Lab File: V22200701A26.D
Acq: 01 Jul 2020 07:01 pm

Tgt Ion: 75 Resp: 51017

Ion	Ratio	Lower	Upper
75	100		
77	32.8	25.6	38.4
39	53.4	35.4	53.0#

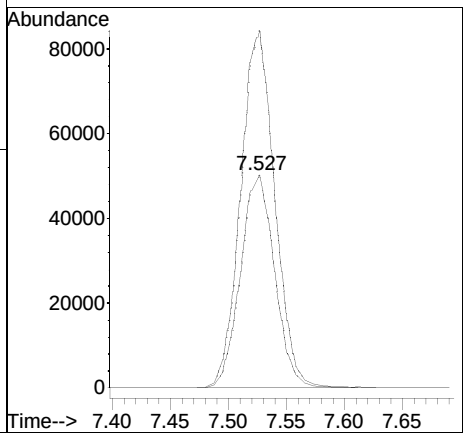


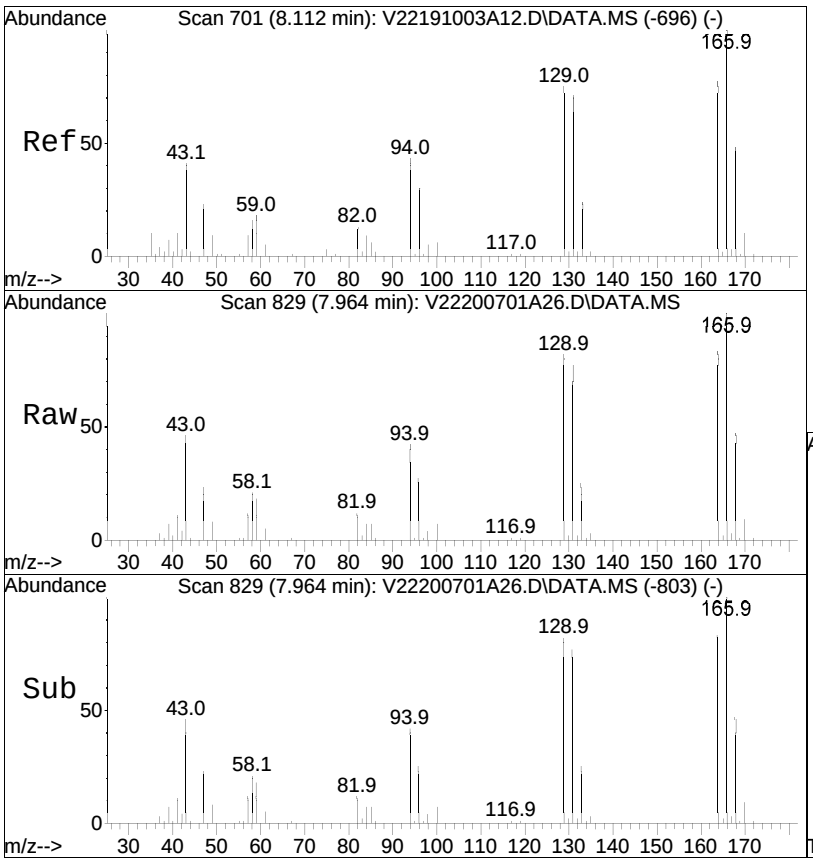


#64
Toluene
Concen: 9.06 ug/L
RT: 7.527 min Scan# 773
Delta R.T. -0.000 min
Lab File: V22200701A26.D
Acq: 01 Jul 2020 07:01 pm

Tgt Ion: 92 Resp: 101593

Ion	Ratio	Lower	Upper
92	100		
91	167.3	137.0	205.6

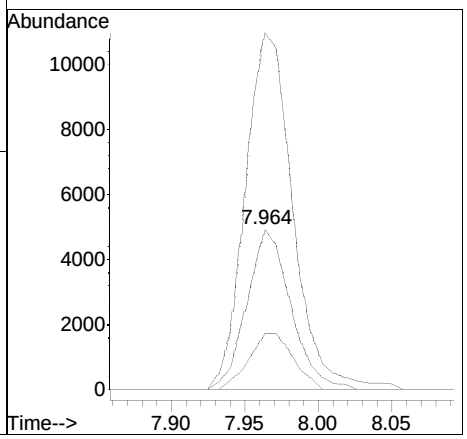


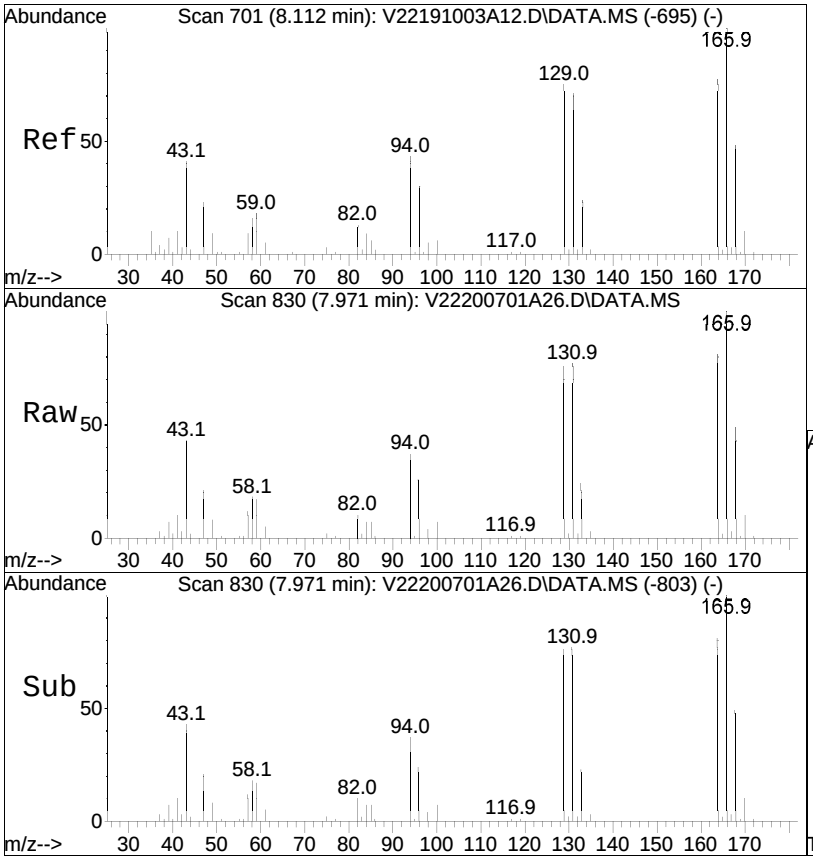


#65
4-Methyl-2-pentanone
Concen: 7.89 ug/L
RT: 7.964 min Scan# 829
Delta R.T. -0.000 min
Lab File: V22200701A26.D
Acq: 01 Jul 2020 07:01 pm

Tgt Ion: 58 Resp: 10206

Ion	Ratio	Lower	Upper
58	100		
100	35.5	36.2	54.4#
43	240.7	181.8	272.8

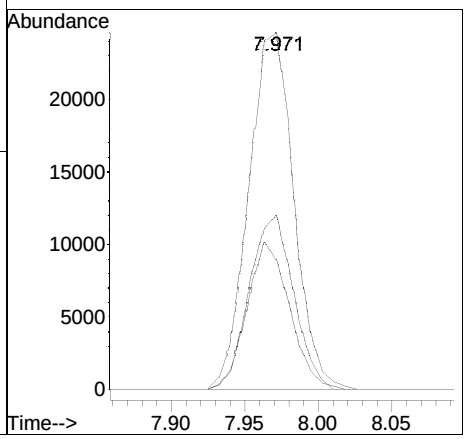


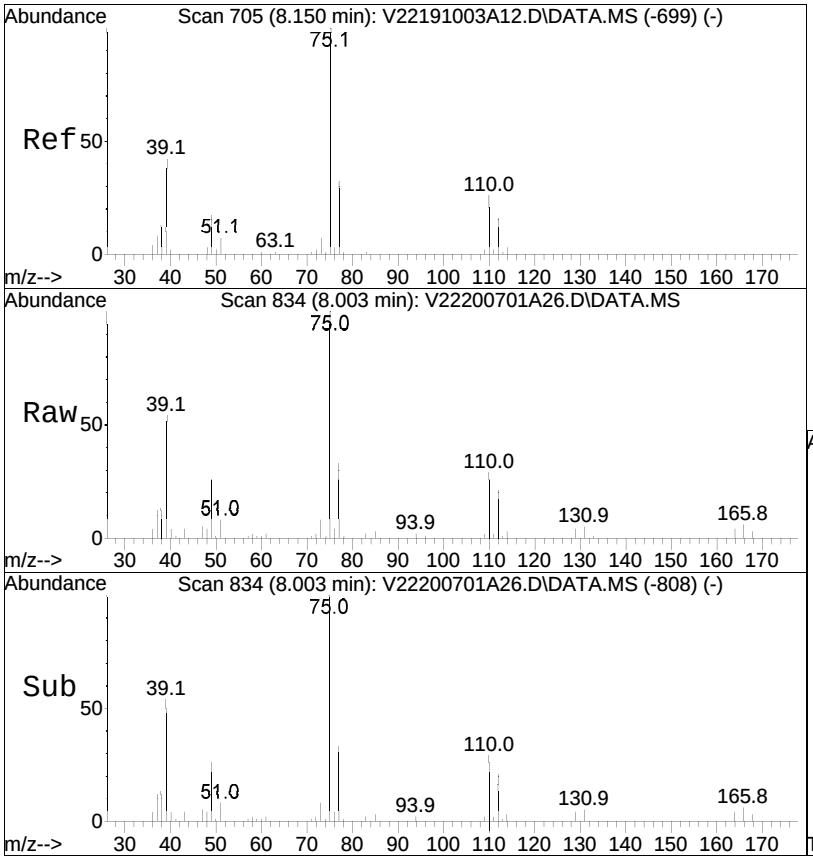


#66
Tetrachloroethene
Concen: 9.79 ug/L
RT: 7.971 min Scan# 830
Delta R.T. 0.007 min
Lab File: V22200701A26.D
Acq: 01 Jul 2020 07:01 pm

Tgt Ion:166 Resp: 52239

Ion	Ratio	Lower	Upper
166	100		
168	47.9	27.8	67.8
94	39.1	16.7	56.7

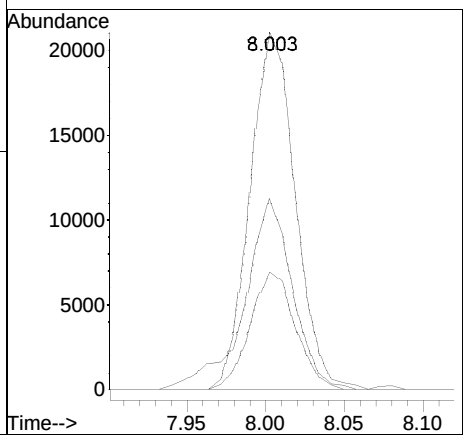


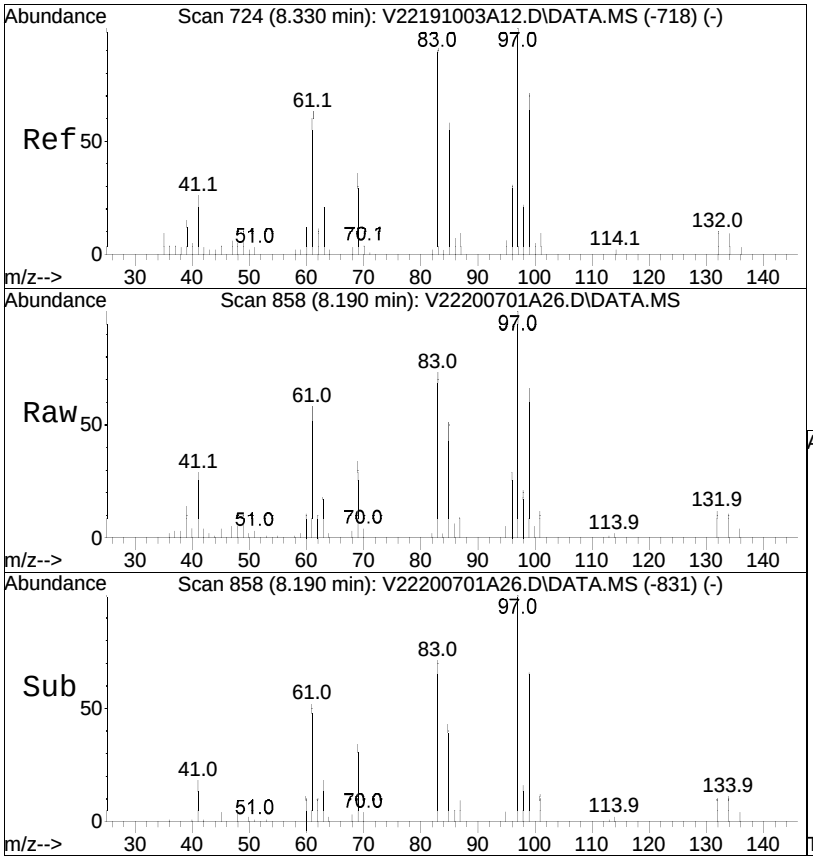


#68
trans-1,3-Dichloropropene
Concen: 7.40 ug/L
RT: 8.003 min Scan# 834
Delta R.T. -0.000 min
Lab File: V22200701A26.D
Acq: 01 Jul 2020 07:01 pm

Tgt Ion: 75 Resp: 41962

Ion	Ratio	Lower	Upper
75	100		
77	33.0	11.9	51.9
39	56.9	27.4	67.4

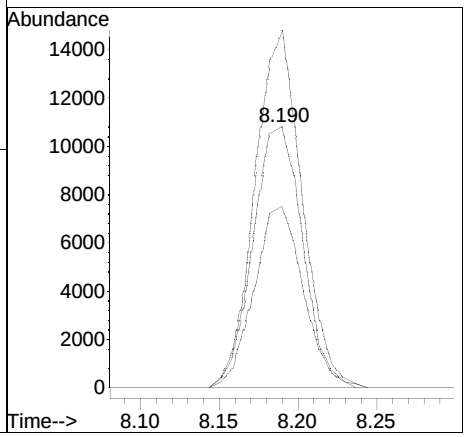


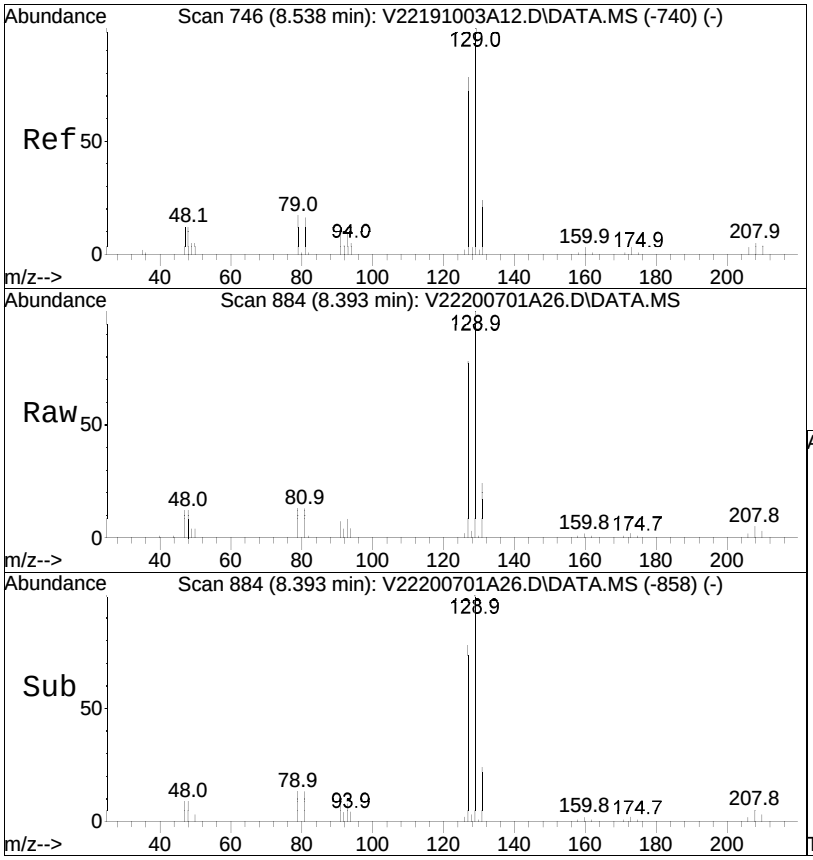


#71
1,1,2-Trichloroethane
Concen: 8.52 ug/L
RT: 8.190 min Scan# 858
Delta R.T. 0.008 min
Lab File: V22200701A26.D
Acq: 01 Jul 2020 07:01 pm

Tgt Ion: 83 Resp: 23591

Ion	Ratio	Lower	Upper
83	100		
97	130.1	103.4	143.4
85	69.1	47.9	87.9

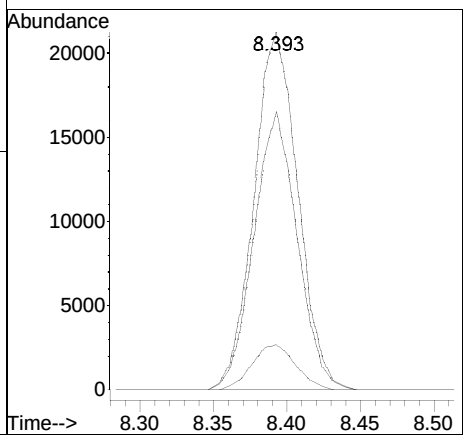


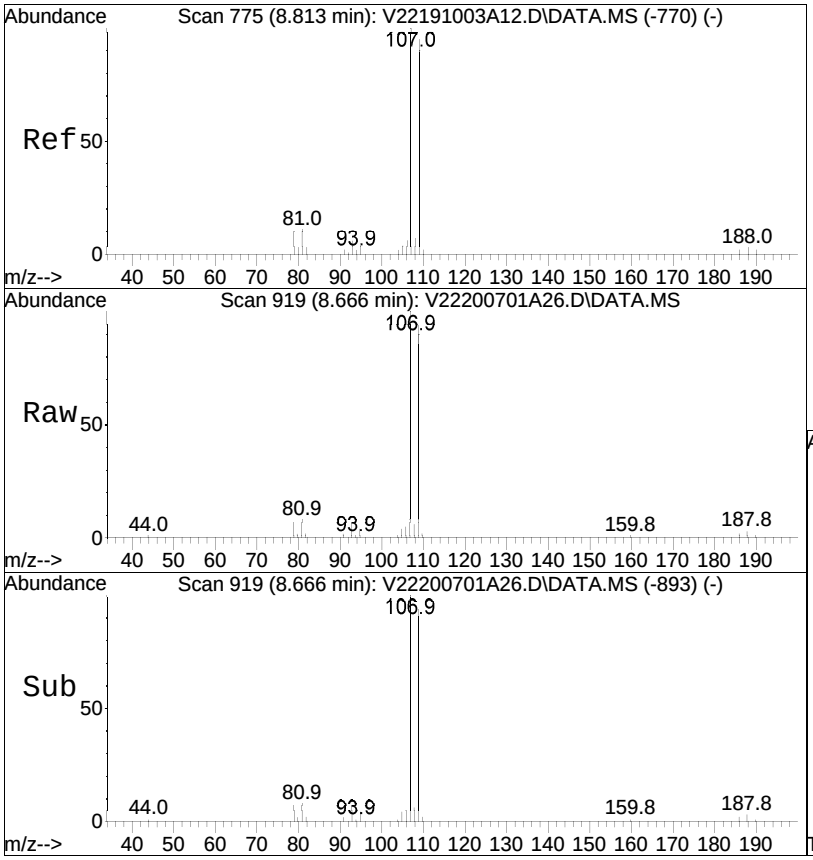


#72
Chlorodibromomethane
Concen: 9.06 ug/L
RT: 8.393 min Scan# 884
Delta R.T. -0.000 min
Lab File: V22200701A26.D
Acq: 01 Jul 2020 07:01 pm

Tgt Ion:129 Resp: 43745

Ion	Ratio	Lower	Upper
129	100		
81	12.7	0.0	33.8
127	76.8	57.1	97.1

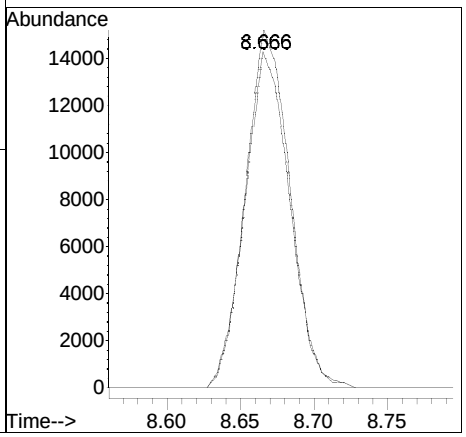


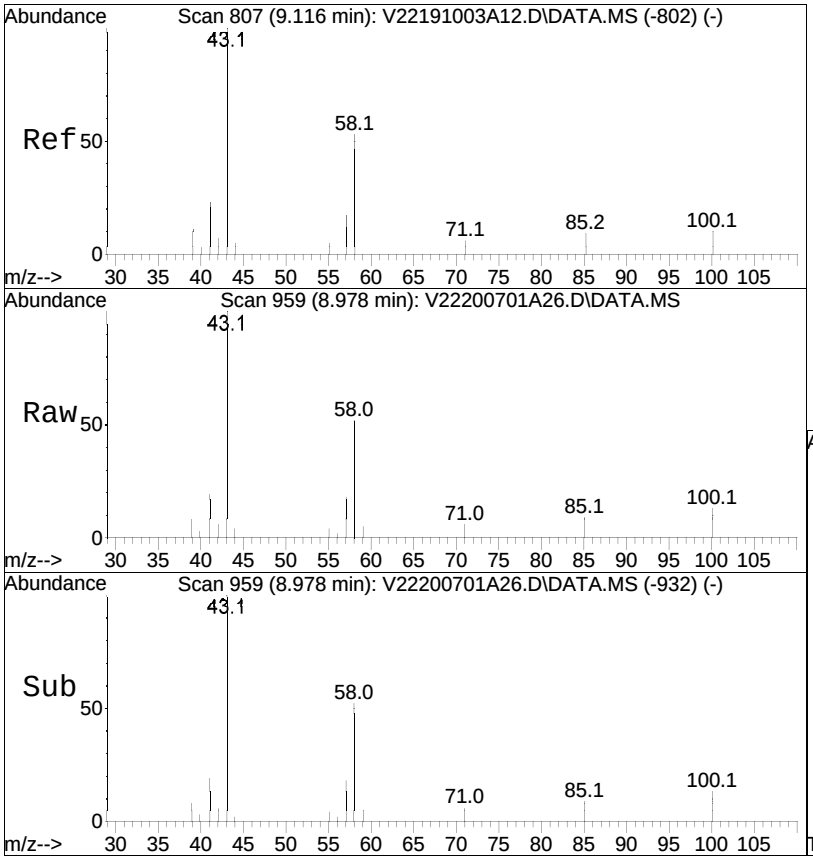


#74
1,2-Dibromoethane
Concen: 8.59 ug/L
RT: 8.666 min Scan# 919
Delta R.T. -0.000 min
Lab File: V22200701A26.D
Acq: 01 Jul 2020 07:01 pm

Tgt Ion:107 Resp: 31658

Ion	Ratio	Lower	Upper
107	100		
109	95.0	75.1	112.7

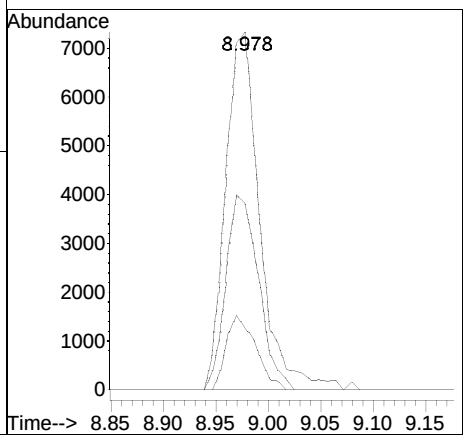


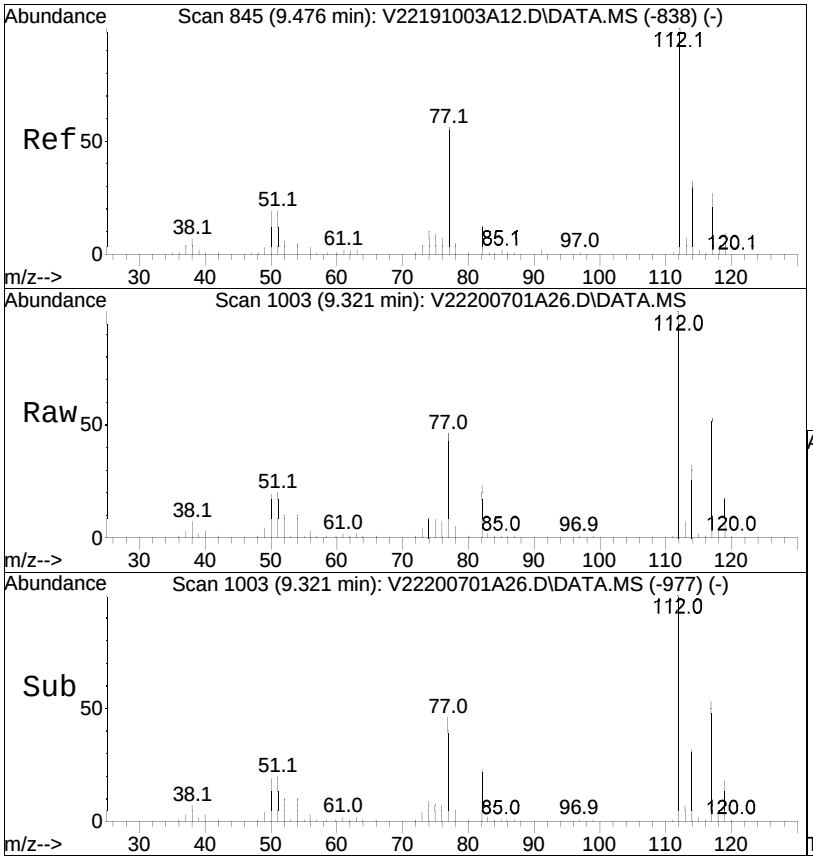


#76
2-Hexanone
Concen: 6.98 ug/L
RT: 8.978 min Scan# 959
Delta R.T. 0.008 min
Lab File: V22200701A26.D
Acq: 01 Jul 2020 07:01 pm

Tgt Ion: 43 Resp: 16505

Ion	Ratio	Lower	Upper
43	100		
58	52.0	47.6	71.4
57	18.1	16.6	24.8

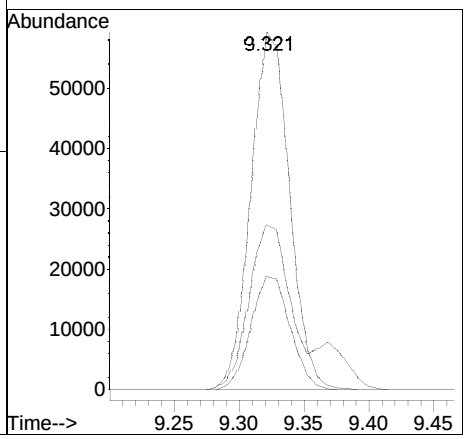


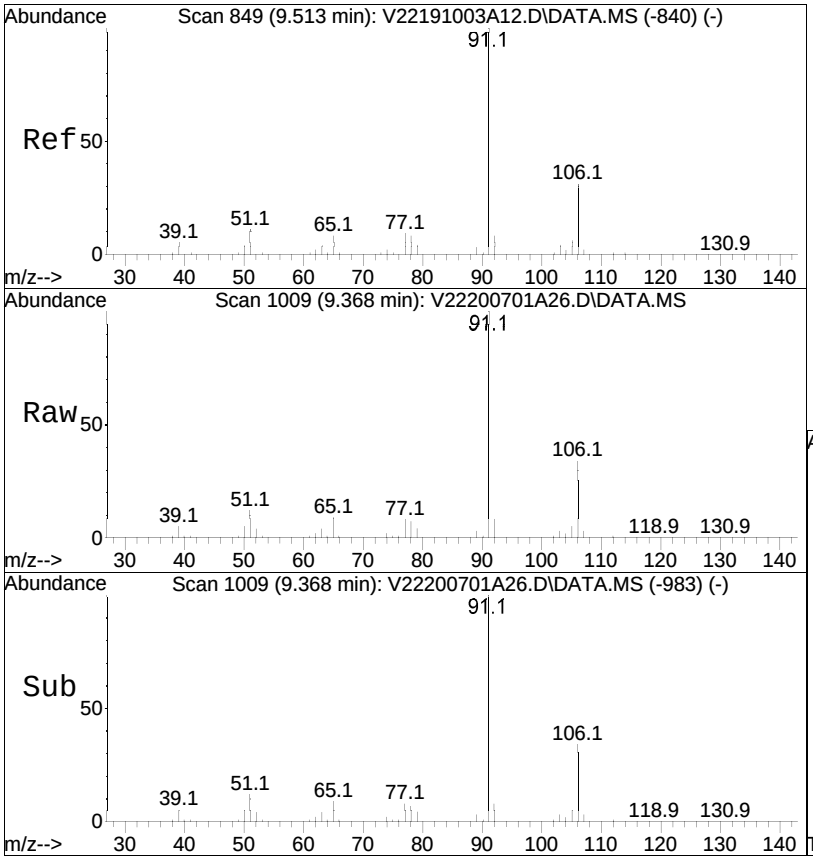


#77
Chlorobenzene
Concen: 9.36 ug/L
RT: 9.321 min Scan# 1003
Delta R.T. -0.001 min
Lab File: V22200701A26.D
Acq: 01 Jul 2020 07:01 pm

Tgt Ion:112 Resp: 122064

Ion	Ratio	Lower	Upper
112	100		
77	51.8	55.4	83.0#
114	32.3	26.2	39.4

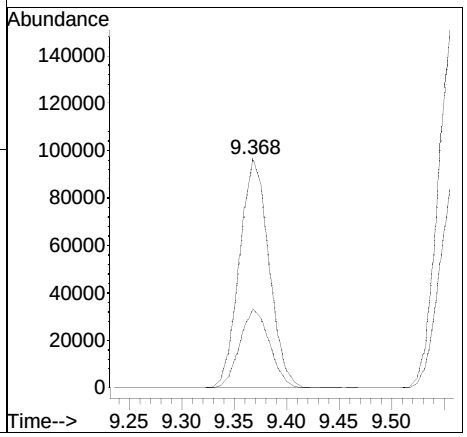


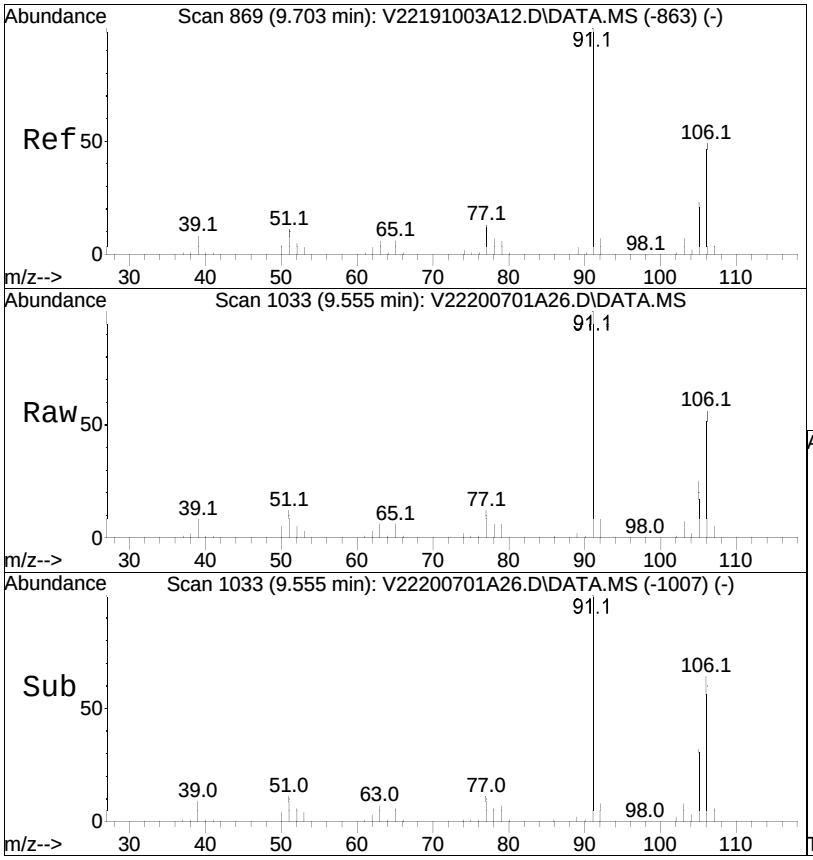


#78
Ethylbenzene
Concen: 9.10 ug/L
RT: 9.368 min Scan# 1009
Delta R.T. 0.000 min
Lab File: V22200701A26.D
Acq: 01 Jul 2020 07:01 pm

Tgt Ion: 91 Resp: 189401

Ion	Ratio	Lower	Upper
91	100		
106	34.7	25.8	38.6

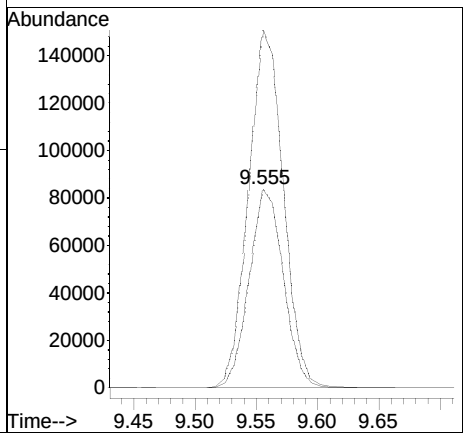


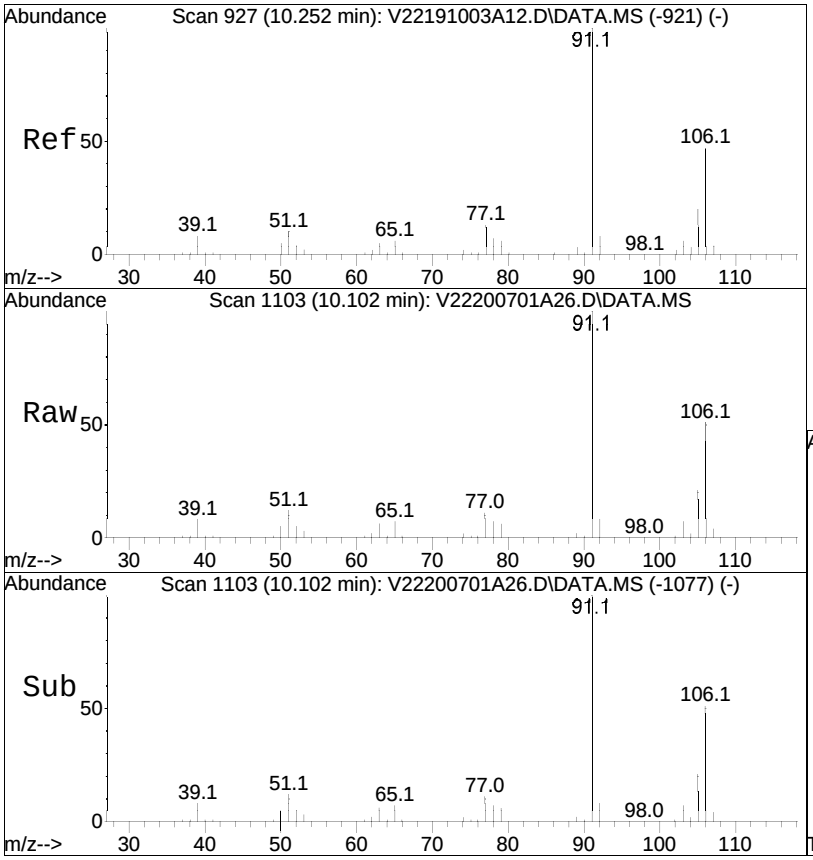


#80
p/m Xylene
Concen: 18.71 ug/L
RT: 9.555 min Scan# 1033
Delta R.T. -0.001 min
Lab File: V22200701A26.D
Acq: 01 Jul 2020 07:01 pm

Tgt Ion:106 Resp: 161584

Ion	Ratio	Lower	Upper
106	100		
91	183.0	156.0	234.0

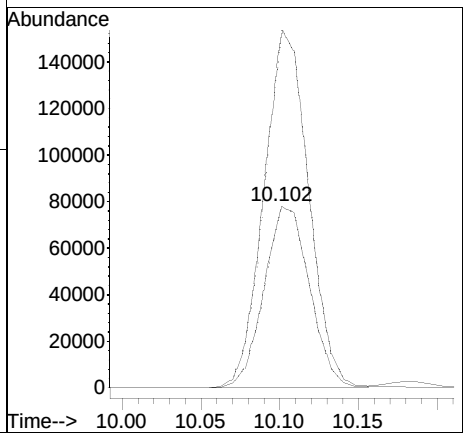


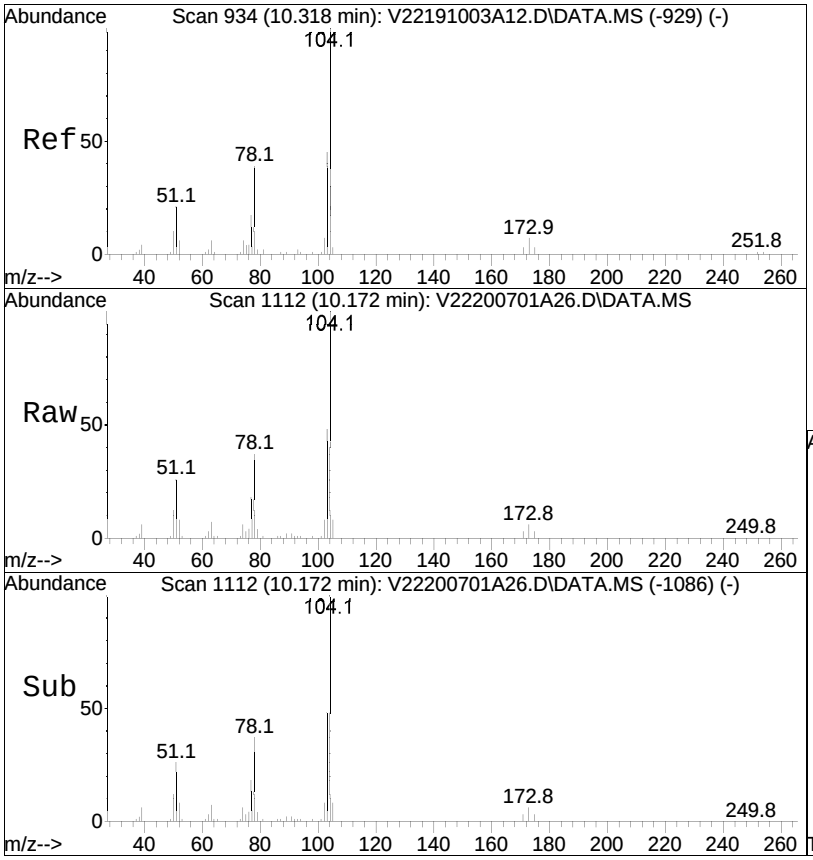


#81
o Xylene
Concen: 18.45 ug/L
RT: 10.102 min Scan# 1103
Delta R.T. -0.000 min
Lab File: V22200701A26.D
Acq: 01 Jul 2020 07:01 pm

Tgt Ion:106 Resp: 155368

Ion	Ratio	Lower	Upper
106	100		
91	193.2	164.0	246.0

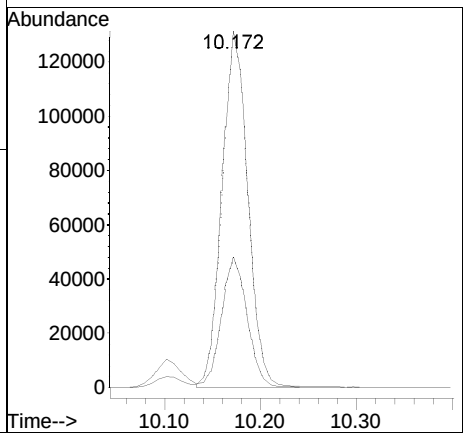


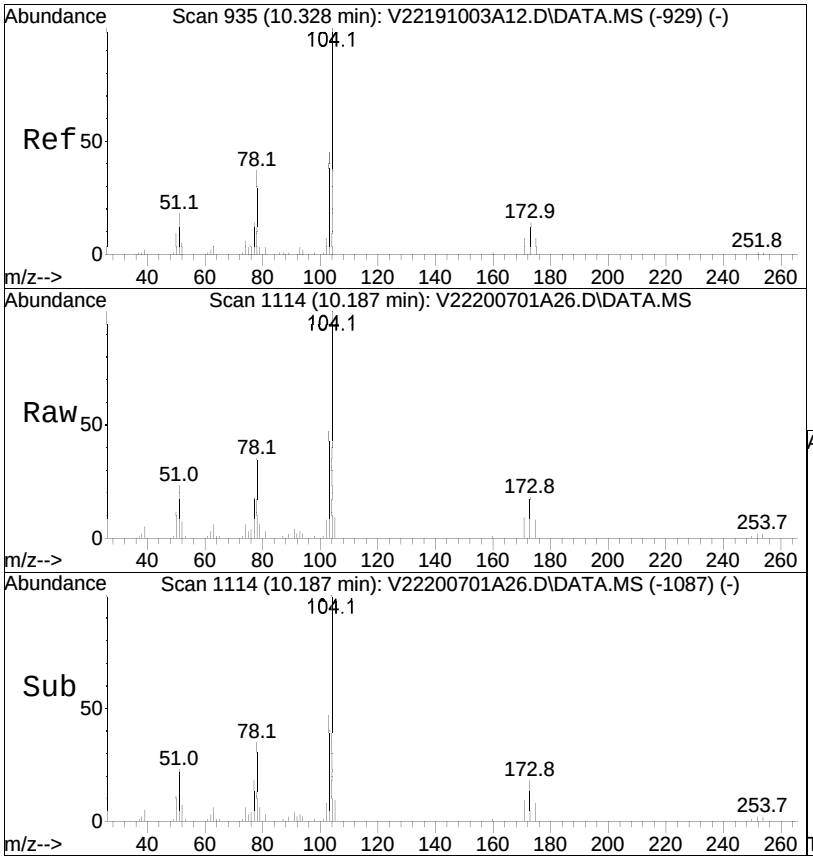


#82
Styrene
Concen: 18.11 ug/L
RT: 10.172 min Scan# 1112
Delta R.T. -0.000 min
Lab File: V22200701A26.D
Acq: 01 Jul 2020 07:01 pm

Tgt Ion:104 Resp: 244833

Ion	Ratio	Lower	Upper
104	100		
78	36.6	32.1	48.1

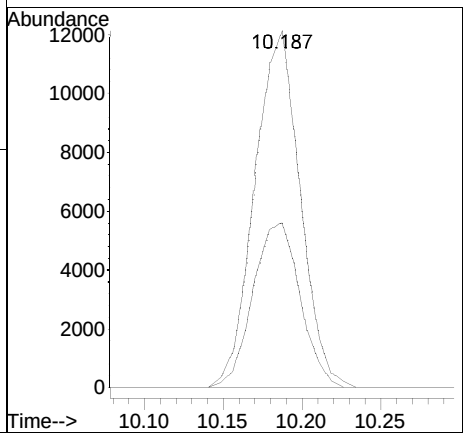


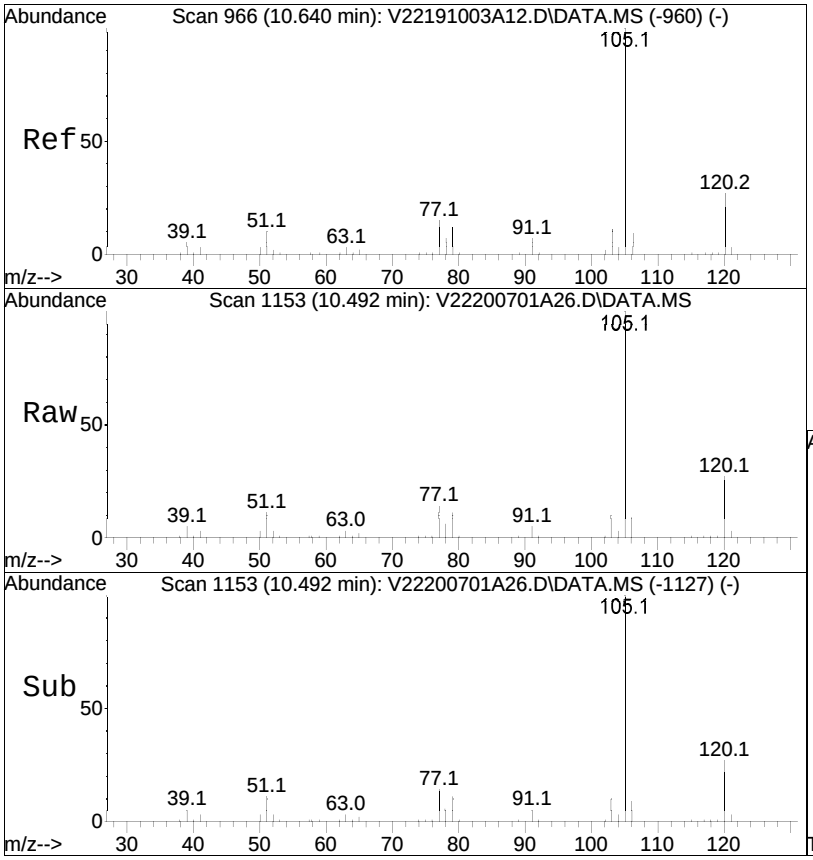


#84
Bromoform
Concen: 8.50 ug/L
RT: 10.187 min Scan# 1114
Delta R.T. 0.007 min
Lab File: V22200701A26.D
Acq: 01 Jul 2020 07:01 pm

Tgt Ion:173 Resp: 24222

Ion	Ratio	Lower	Upper
173	100		
175	48.1	29.3	69.3

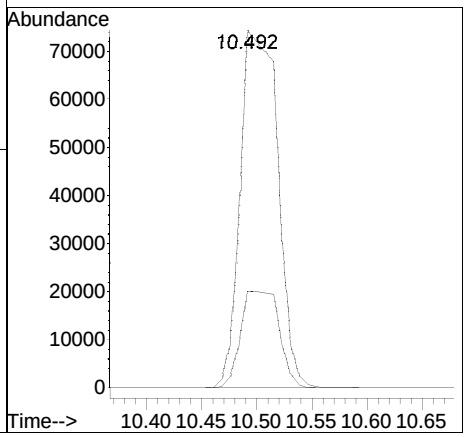


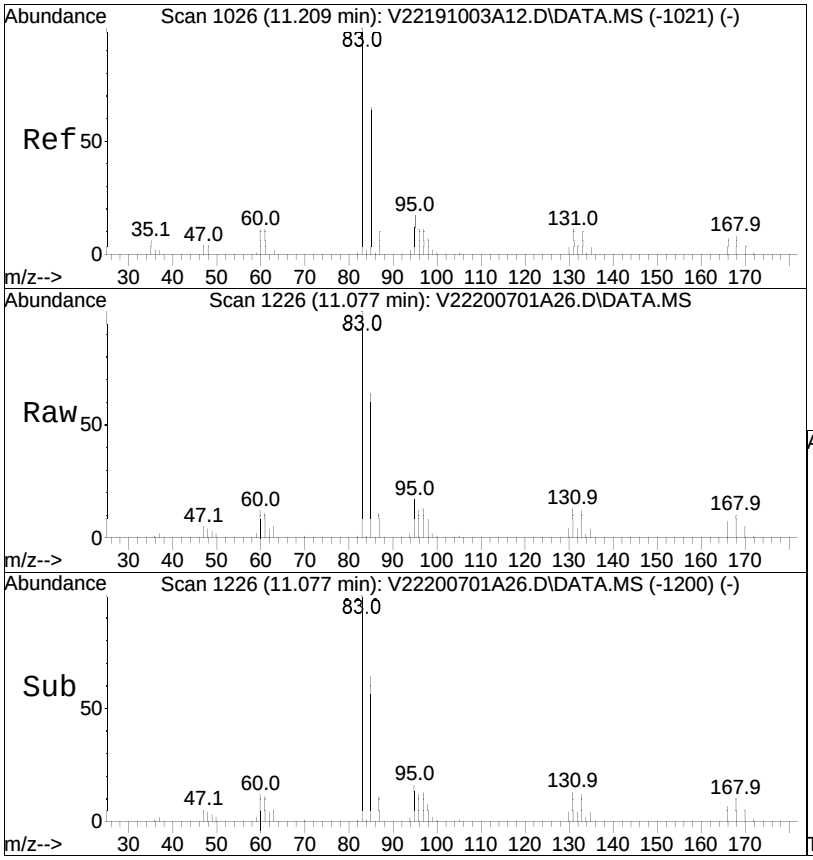


#86
Isopropylbenzene
Concen: 8.54 ug/L
RT: 10.492 min Scan# 1153
Delta R.T. -0.000 min
Lab File: V22200701A26.D
Acq: 01 Jul 2020 07:01 pm

Tgt Ion:105 Resp: 119302

Ion	Ratio	Lower	Upper
105	100		
120	29.2	7.7	47.7

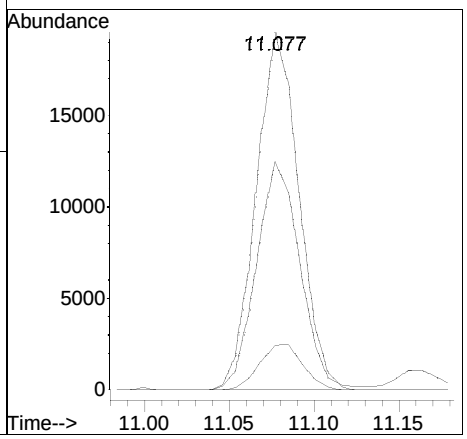


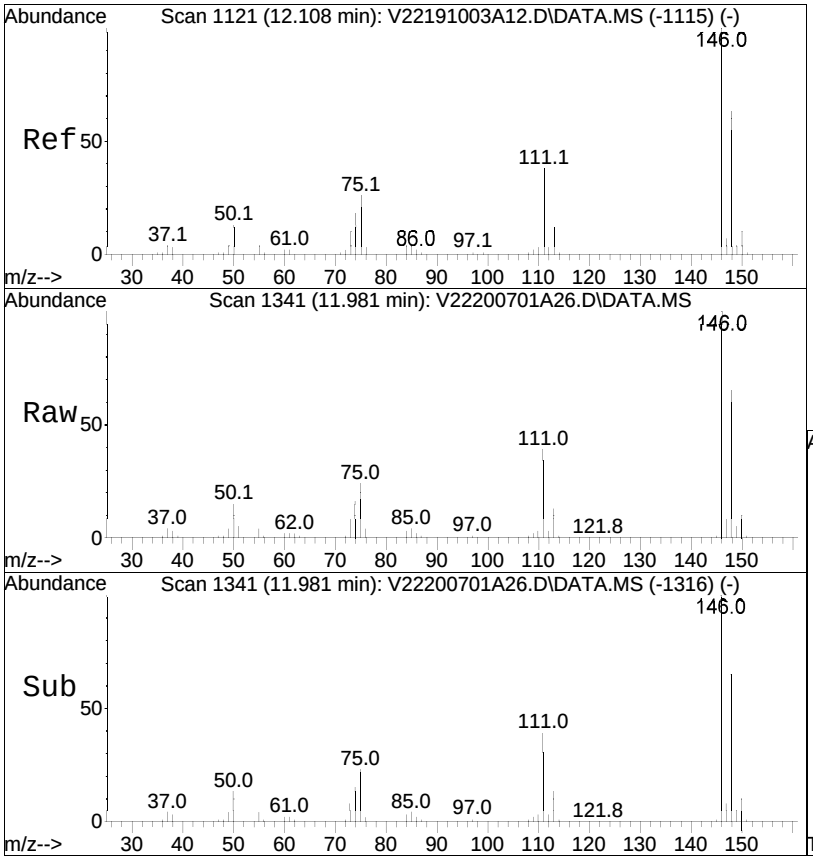


#91
1,1,2,2-Tetrachloroethane
Concen: 8.12 ug/L
RT: 11.077 min Scan# 1226
Delta R.T. 0.000 min
Lab File: V22200701A26.D
Acq: 01 Jul 2020 07:01 pm

Tgt Ion: 83 Resp: 33904

Ion	Ratio	Lower	Upper
83	100		
131	13.2	0.0	30.8
85	65.3	45.4	85.4

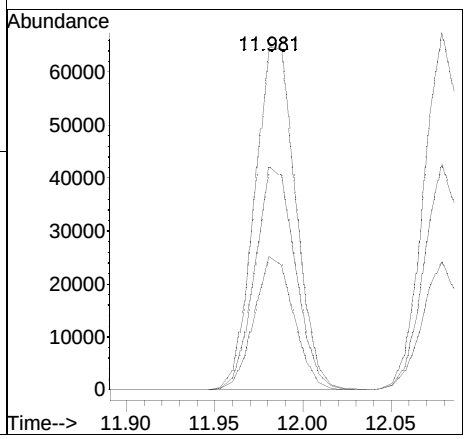


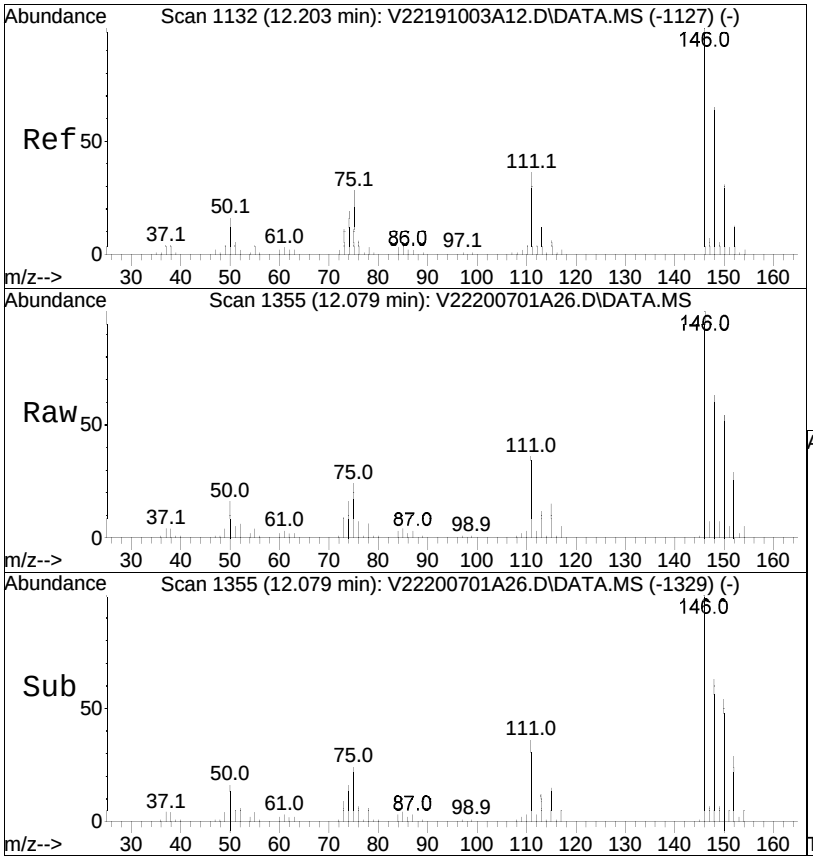


#104
1,3-Dichlorobenzene
Concen: 9.35 ug/L
RT: 11.981 min Scan# 1341
Delta R.T. -0.001 min
Lab File: V22200701A26.D
Acq: 01 Jul 2020 07:01 pm

Tgt Ion:146 Resp: 105548

Ion	Ratio	Lower	Upper
146	100		
111	37.2	24.0	49.8
148	63.5	41.8	86.8

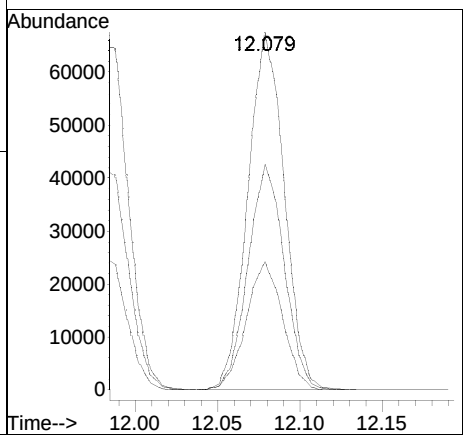


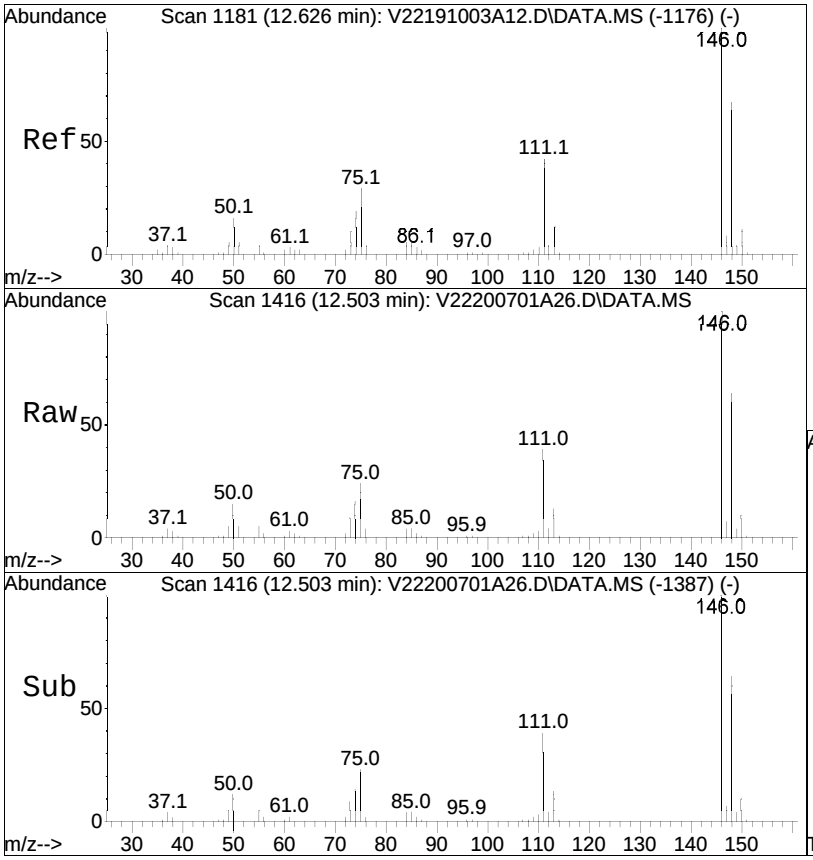


#105
1,4-Dichlorobenzene
Concen: 9.33 ug/L
RT: 12.079 min Scan# 1355
Delta R.T. -0.000 min
Lab File: V22200701A26.D
Acq: 01 Jul 2020 07:01 pm

Tgt Ion:146 Resp: 104001

Ion	Ratio	Lower	Upper
146	100		
111	35.9	28.9	43.3
148	62.9	51.4	77.2

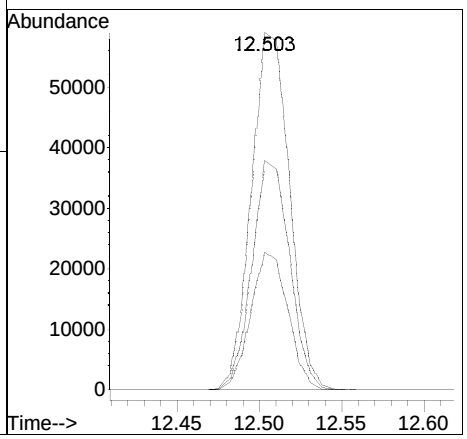


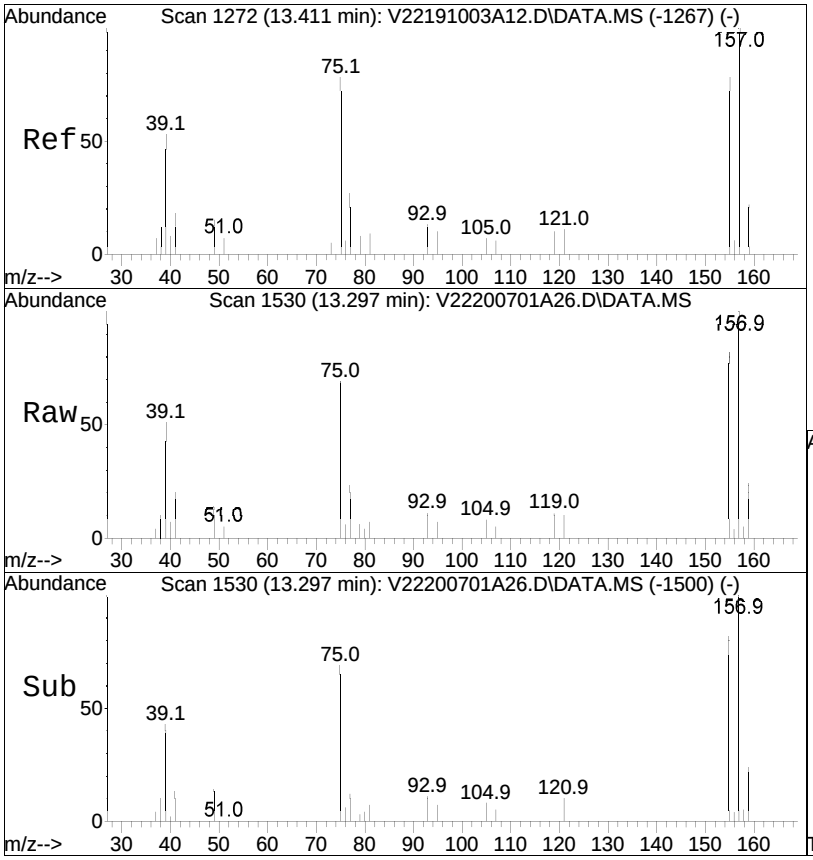


#108
1,2-Dichlorobenzene
Concen: 9.30 ug/L
RT: 12.503 min Scan# 1416
Delta R.T. -0.001 min
Lab File: V22200701A26.D
Acq: 01 Jul 2020 07:01 pm

Tgt Ion:146 Resp: 94664

Ion	Ratio	Lower	Upper
146	100		
111	37.7	24.8	51.6
148	63.4	42.2	87.6

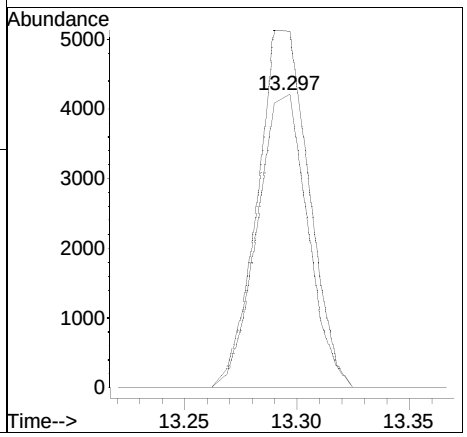


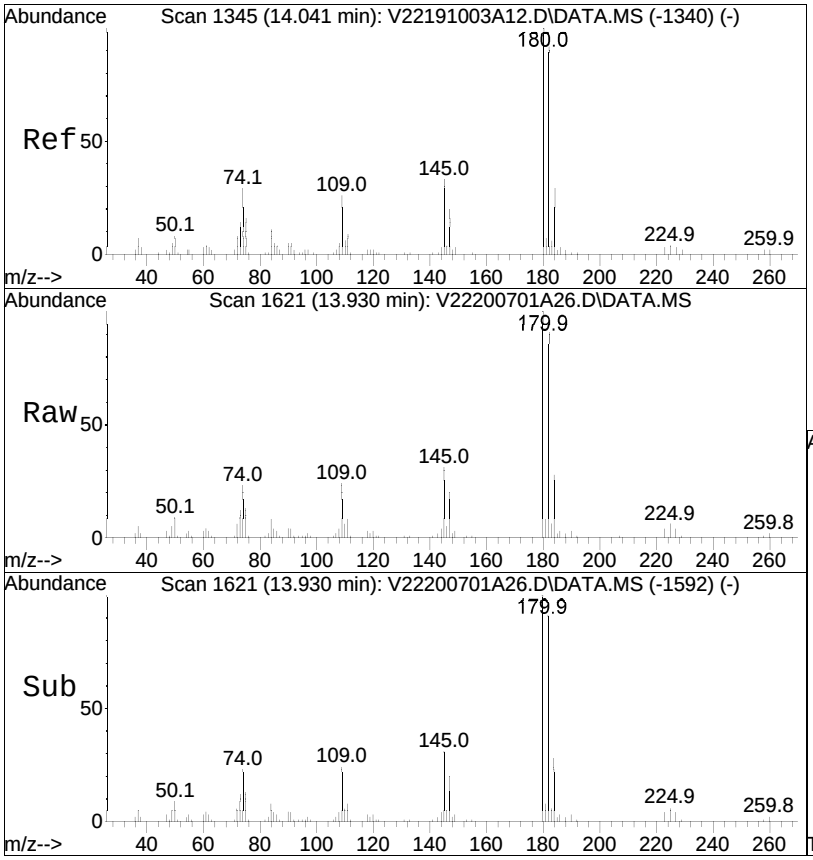


#110
1,2-Dibromo-3-chloropropane
Concen: 8.11 ug/L
RT: 13.297 min Scan# 1530
Delta R.T. 0.007 min
Lab File: V22200701A26.D
Acq: 01 Jul 2020 07:01 pm

Tgt Ion:155 Resp: 6534

Ion	Ratio	Lower	Upper
155	100		
157	124.2	102.3	153.5

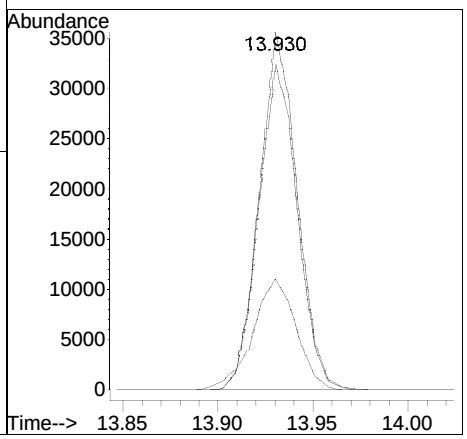


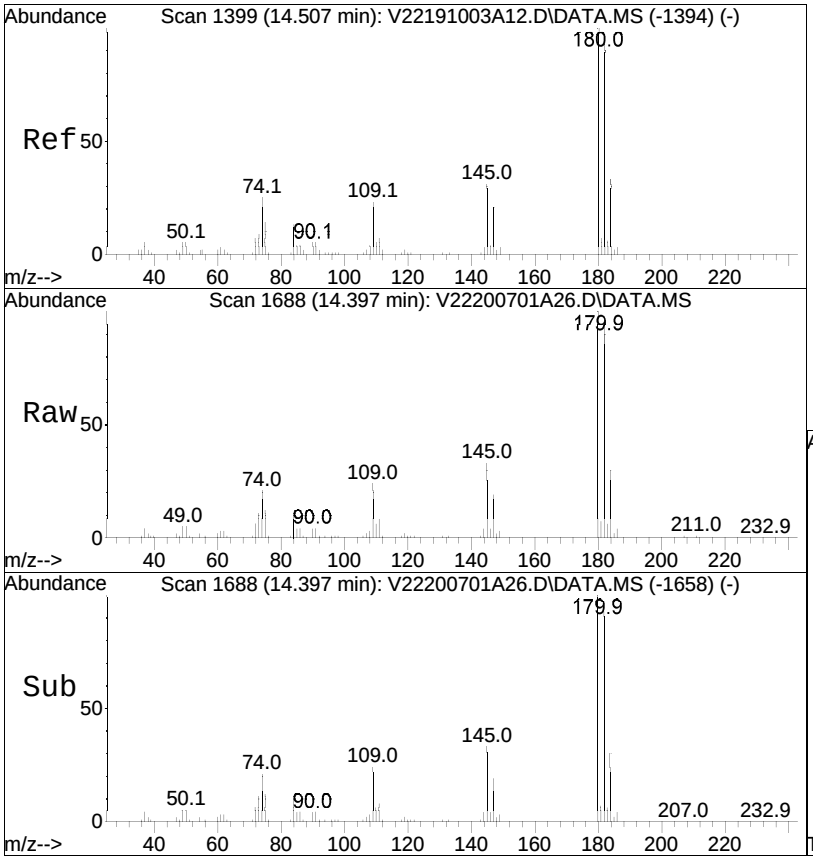


#113
1,2,4-Trichlorobenzene
Concen: 8.70 ug/L
RT: 13.930 min Scan# 1621
Delta R.T. -0.001 min
Lab File: V22200701A26.D
Acq: 01 Jul 2020 07:01 pm

Tgt Ion:180 Resp: 48942

Ion	Ratio	Lower	Upper
180	100		
182	92.7	76.6	114.8
145	35.7	25.5	38.3

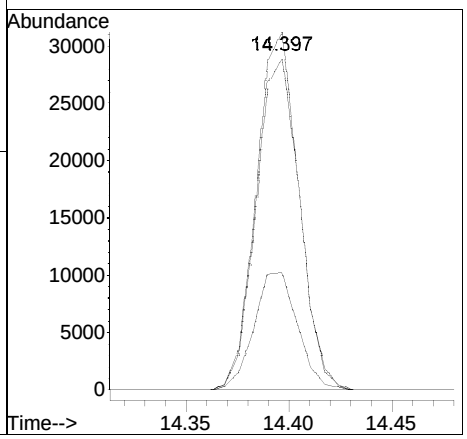




#115
1,2,3-Trichlorobenzene
Concen: 8.66 ug/L
RT: 14.397 min Scan# 1688
Delta R.T. 0.007 min
Lab File: V22200701A26.D
Acq: 01 Jul 2020 07:01 pm

Tgt Ion:180 Resp: 44325

Ion	Ratio	Lower	Upper
180	100		
182	94.9	76.0	114.0
145	34.0	23.8	35.8



Manual Integration Report

Data Path	: I:\VOLATILES\VOA122\2020\2	QMethod	: V122_200617N_8260.m
Data File	: V22200701A26.D	Operator	: VOA122:AJK
Date Inj'd	: 7/1/2020 7:01 pm	Instrument	: VOA122
Sample	: WG1388388-6,31,0.2,10,,a	Quant Date	: 7/1/2020 8:54 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2020\200701A\
Data File : V22200701A27.D
Acq On : 01 Jul 2020 07:25 pm
Operator : VOA122:AJK
Sample : WG1388388-7,31,0.2,10,,a
Misc : WG1388388,ICAL16903
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Jul 01 20:54:10 2020
Quant Method : I:\VOLATILES\VOA122\2020\200701A\V122_200617N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jun 18 17:18:38 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2020\200701A\V22200701A01.D
Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.784	96	190624	10.000	ug/L	0.00
Standard Area 1 = 180591			Recovery = 105.56%			
62) Chlorobenzene-d5	9.306	117	167329	10.000	ug/L	0.00
Standard Area 1 = 157975			Recovery = 105.92%			
83) 1,4-Dichlorobenzene-d4	12.065	152	86625	10.000	ug/L	0.00
Standard Area 1 = 82999			Recovery = 104.37%			
System Monitoring Compounds						
38) Dibromofluoromethane	4.979	113	56669	10.699	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 106.99%			
46) 1,2-Dichloroethane-d4	5.494	65	53398	10.892	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 108.92%			
63) Toluene-d8	7.472	98	215551	9.336	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 93.36%			
87) 4-Bromofluorobenzene	10.828	95	73369	8.908	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 89.08%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.522	85	37472	9.983	ug/L	98
3) Chloromethane	1.717	50	54950	11.376	ug/L	98
4) Vinyl chloride	1.764	62	43561	10.085	ug/L	96
5) Bromomethane	2.053	94	8140	3.837	ug/L	97
6) Chloroethane	2.162	64	23012	10.091	ug/L	95
7) Trichlorofluoromethane	2.302	101	68814	11.416	ug/L	99
10) 1,1-Dichloroethene	2.778	96	39129	10.372	ug/L	83
11) Carbon disulfide	2.802	76	93821	10.031	ug/L	99
12) Freon-113	2.817	101	41546	10.824	ug/L	97
15) Methylene chloride	3.309	84	39253	9.703	ug/L #	69
17) Acetone	3.356	43	10366	13.300	ug/L	96
18) trans-1,2-Dichloroethene	3.465	96	45040	10.881	ug/L	91
19) Methyl acetate	3.473	43	21951	9.929	ug/L #	88
21) Methyl tert-butyl ether	3.559	73	76791	8.674	ug/L #	85
25) 1,1-Dichloroethane	4.035	63	80038	10.852	ug/L	94
30) cis-1,2-Dichloroethene	4.542	96	64432	14.422	ug/L	87
32) Bromochloromethane	4.729	128	24318	10.377	ug/L #	87
33) Cyclohexane	4.737	56	83691	10.438	ug/L	70
34) Chloroform	4.800	83	70765	10.448	ug/L	97
36) Carbon tetrachloride	4.940	117	70372	10.572	ug/L	98

Data Path : I:\VOLATILES\VOA122\2020\200701A\
Data File : V22200701A27.D
Acq On : 01 Jul 2020 07:25 pm
Operator : VOA122:AJK
Sample : WG1388388-7,31,0.2,10,,a
Misc : WG1388388,ICAL16903
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Jul 01 20:54:10 2020
Quant Method : I:\VOLATILES\VOA122\2020\200701A\V122_200617N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jun 18 17:18:38 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2020\200701A\V22200701A01.D
Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39) 1,1,1-Trichloroethane	5.003	97	70126	10.989	ug/L		97
41) 2-Butanone	5.096	43	13500	10.592	ug/L	#	68
44) Benzene	5.369	78	151275	9.103	ug/L	#	92
47) 1,2-Dichloroethane	5.565	62	57742	10.745	ug/L		99
50) Methyl cyclohexane	5.949	83	68832	9.741	ug/L	#	74
51) Trichloroethene	5.957	95	495342	107.744	ug/L		89
54) 1,2-Dichloropropane	6.493	63	42021	9.919	ug/L		94
57) Bromodichloromethane	6.563	83	51776	9.797	ug/L		99
60) 1,4-Dioxane	6.779	88	15086	791.049	ug/L	#	68
61) cis-1,3-Dichloropropene	7.254	75	53686	8.320	ug/L		92
64) Toluene	7.527	92	103748	9.155	ug/L		98
65) 4-Methyl-2-pentanone	7.964	58	10843	8.293	ug/L		92
66) Tetrachloroethene	7.972	166	54012	10.024	ug/L		99
68) trans-1,3-Dichloropropene	8.003	75	44297	7.732	ug/L		91
71) 1,1,2-Trichloroethane	8.190	83	24398	8.724	ug/L		96
72) Chlorodibromomethane	8.393	129	44710	9.161	ug/L		98
74) 1,2-Dibromoethane	8.666	107	33430	8.978	ug/L		99
76) 2-Hexanone	8.970	43	17790	7.442	ug/L		95
77) Chlorobenzene	9.322	112	126460	9.596	ug/L		92
78) Ethylbenzene	9.368	91	194988	9.269	ug/L		96
80) p/m Xylene	9.556	106	165524	18.972	ug/L		92
81) o Xylene	10.102	106	158582	18.639	ug/L		94
82) Styrene	10.172	104	254751	18.647	ug/L		94
84) Bromoform	10.188	173	25437	9.010	ug/L		99
86) Isopropylbenzene	10.492	105	123400	8.917	ug/L		96
91) 1,1,2,2-Tetrachloroethane	11.077	83	35788	8.651	ug/L		97
104) 1,3-Dichlorobenzene	11.981	146	110597	9.897	ug/L		98
105) 1,4-Dichlorobenzene	12.079	146	105971	9.597	ug/L		100
108) 1,2-Dichlorobenzene	12.504	146	98620	9.778	ug/L		99
110) 1,2-Dibromo-3-chloropr...	13.290	155	6744	8.456	ug/L		94
113) 1,2,4-Trichlorobenzene	13.931	180	51644	9.265	ug/L		98
115) 1,2,3-Trichlorobenzene	14.397	180	46934	9.254	ug/L		98

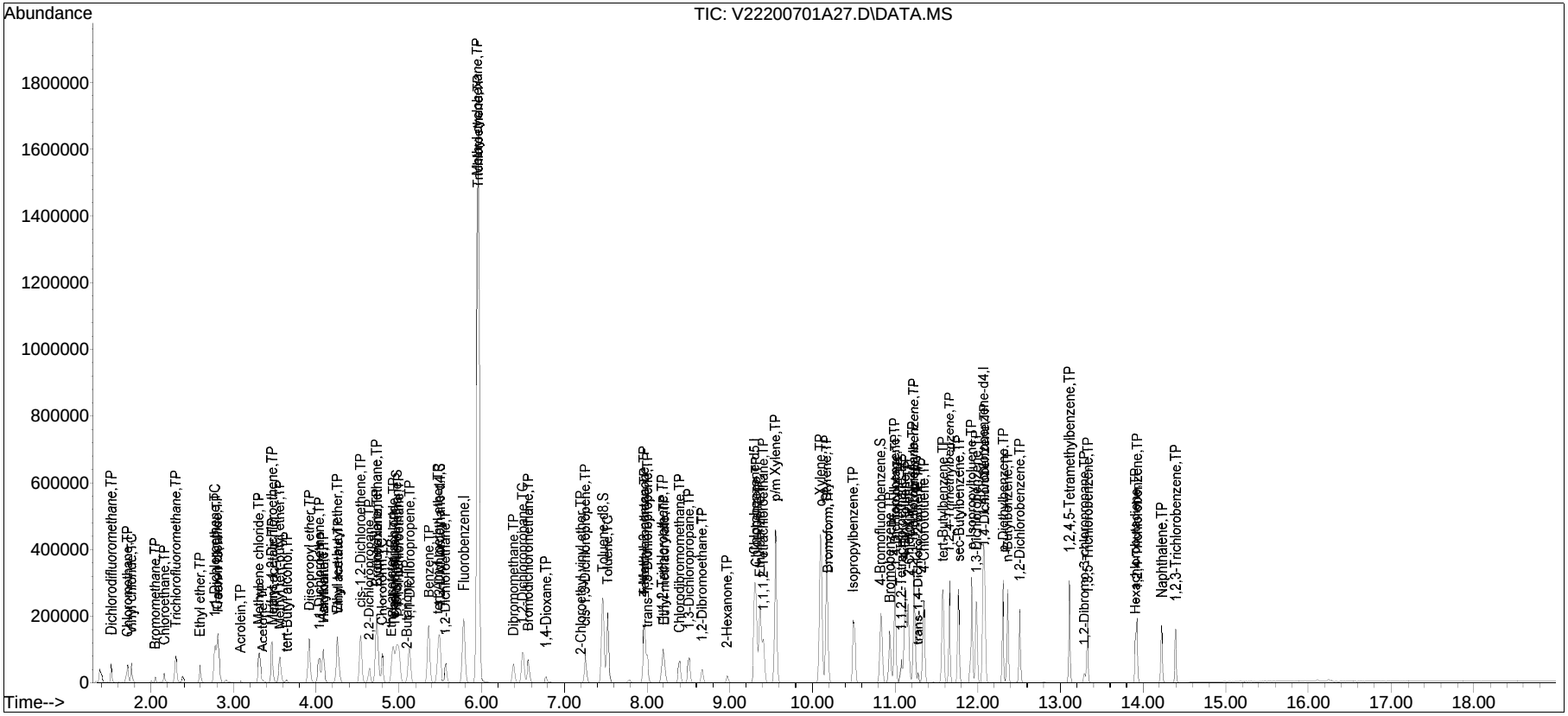
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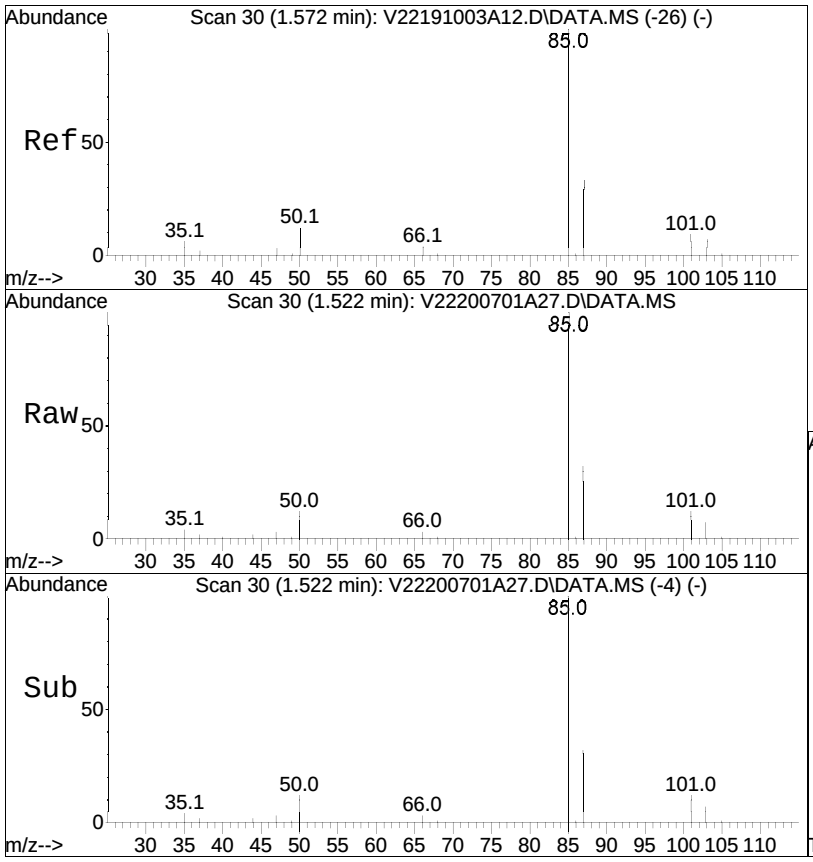
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2020\200701A\
Data File : V22200701A27.D
Acq On : 01 Jul 2020 07:25 pm
Operator : VOA122:AJK
Sample : WG1388388-7,31,0.2,10,,a
Misc : WG1388388,ICAL16903
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Jul 01 20:54:10 2020
Quant Method : I:\VOLATILES\VOA122\2020\200701A\V122_200617N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jun 18 17:18:38 2020
Response via : Initial Calibration

Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

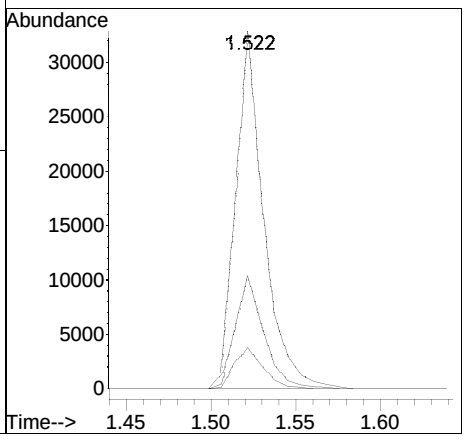


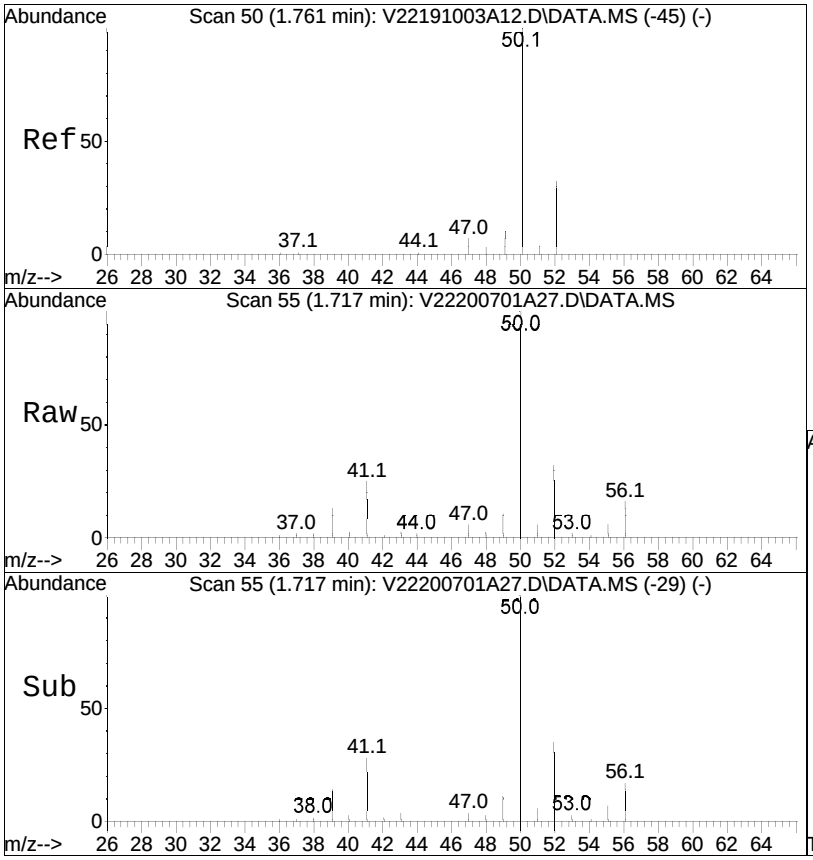


#2
Dichlorodifluoromethane
Concen: 9.98 ug/L
RT: 1.522 min Scan# 30
Delta R.T. -0.000 min
Lab File: V22200701A27.D
Acq: 01 Jul 2020 07:25 pm

Tgt Ion: 85 Resp: 37472

Ion	Ratio	Lower	Upper
85	100		
87	32.2	20.7	42.9
50	12.1	6.8	14.2

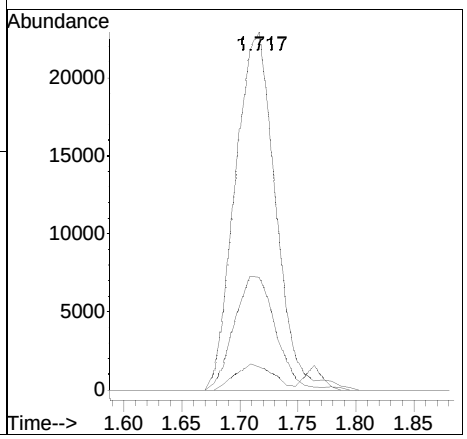


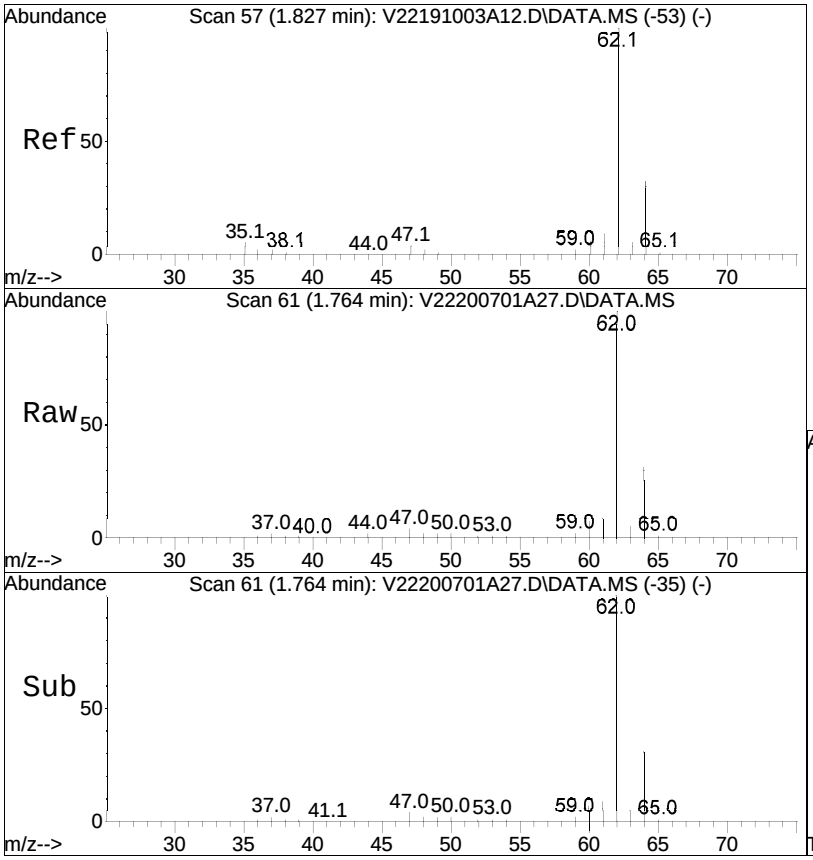


#3
Chloromethane
Concen: 11.38 ug/L
RT: 1.717 min Scan# 55
Delta R.T. -0.000 min
Lab File: V22200701A27.D
Acq: 01 Jul 2020 07:25 pm

Tgt Ion: 50 Resp: 54950

Ion	Ratio	Lower	Upper
50	100		
52	32.8	12.8	52.8
47	6.9	0.0	30.0

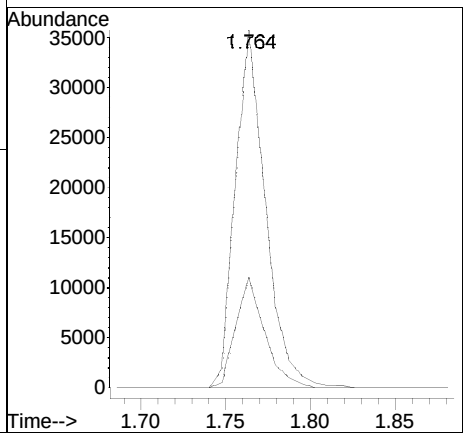


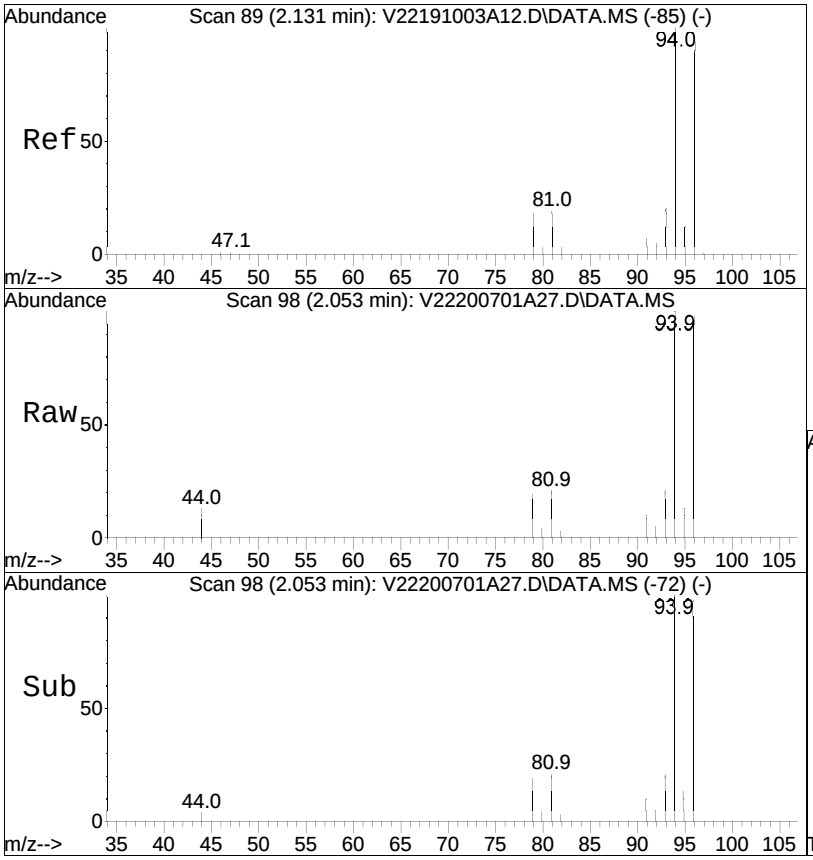


#4
Vinyl chloride
Concen: 10.09 ug/L
RT: 1.764 min Scan# 61
Delta R.T. -0.000 min
Lab File: V22200701A27.D
Acq: 01 Jul 2020 07:25 pm

Tgt Ion: 62 Resp: 43561

Ion	Ratio	Lower	Upper
62	100		
64	29.8	12.0	52.0

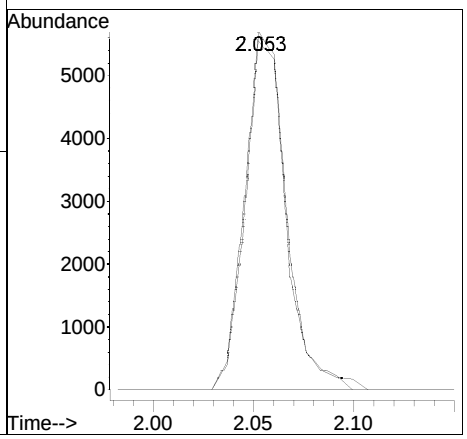


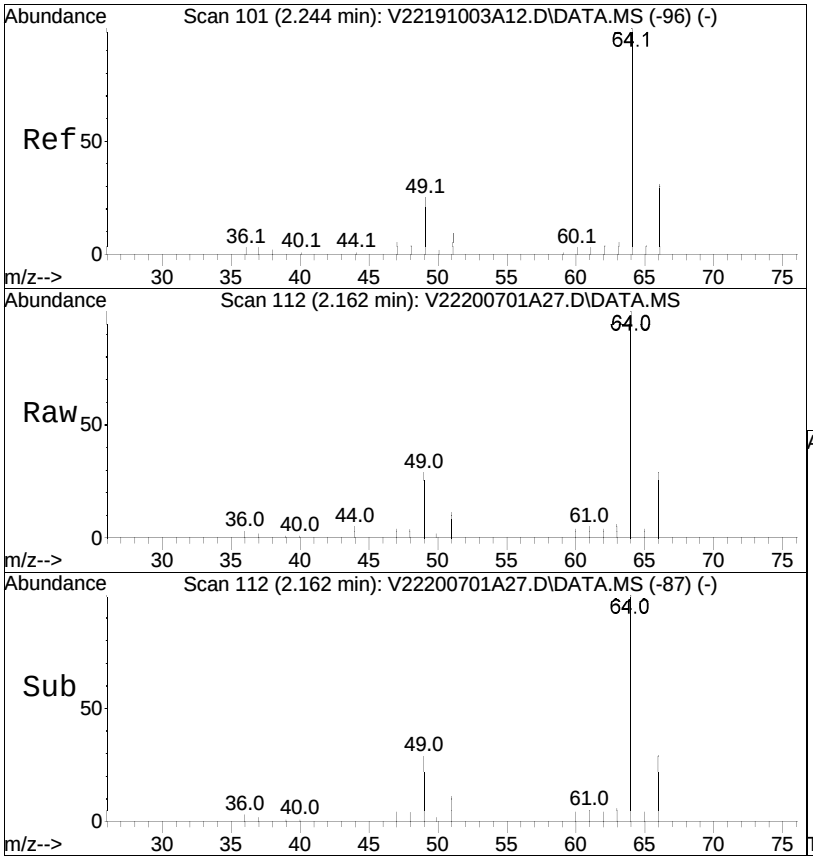


#5
Bromomethane
Concen: 3.84 ug/L
RT: 2.053 min Scan# 98
Delta R.T. -0.000 min
Lab File: V22200701A27.D
Acq: 01 Jul 2020 07:25 pm

Tgt Ion: 94 Resp: 8140

Ion	Ratio	Lower	Upper
94	100		
96	95.9	72.8	112.8

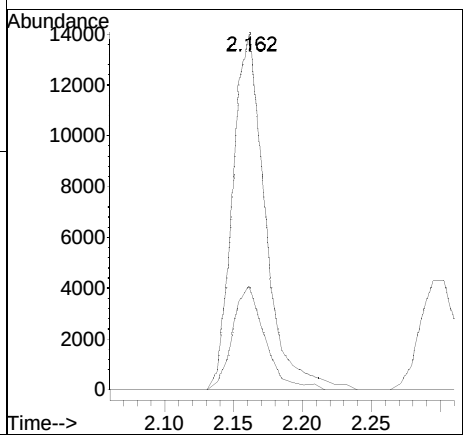


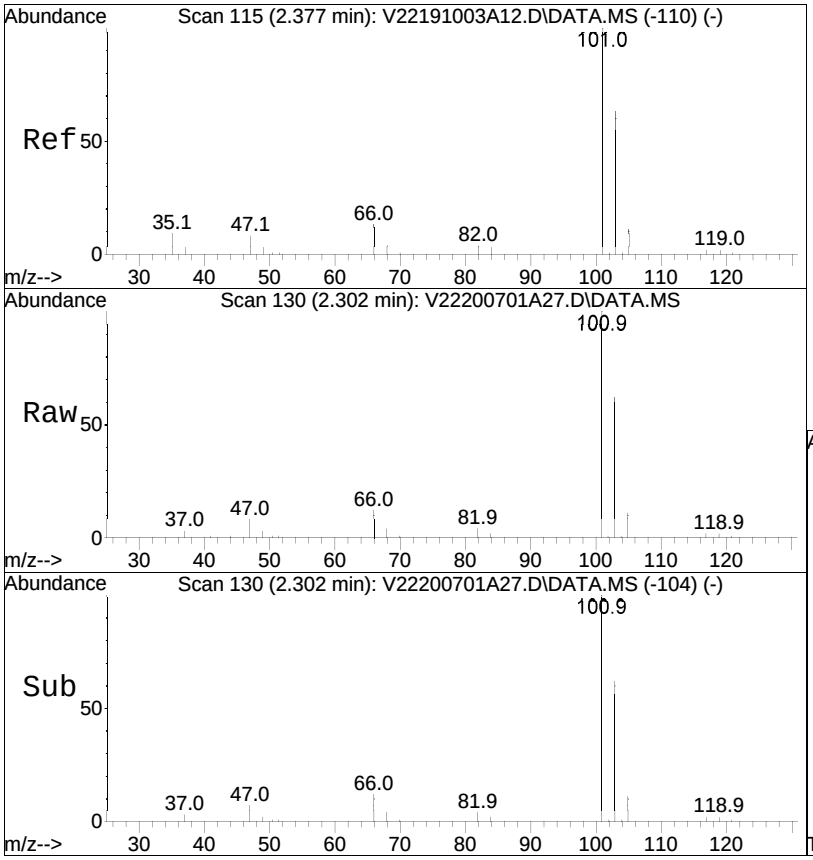


#6
Chloroethane
Concen: 10.09 ug/L
RT: 2.162 min Scan# 112
Delta R.T. -0.008 min
Lab File: V22200701A27.D
Acq: 01 Jul 2020 07:25 pm

Tgt Ion: 64 Resp: 23012

Ion	Ratio	Lower	Upper
64	100		
66	29.1	12.2	52.2

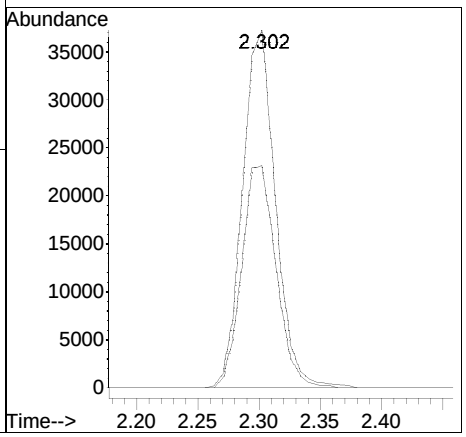


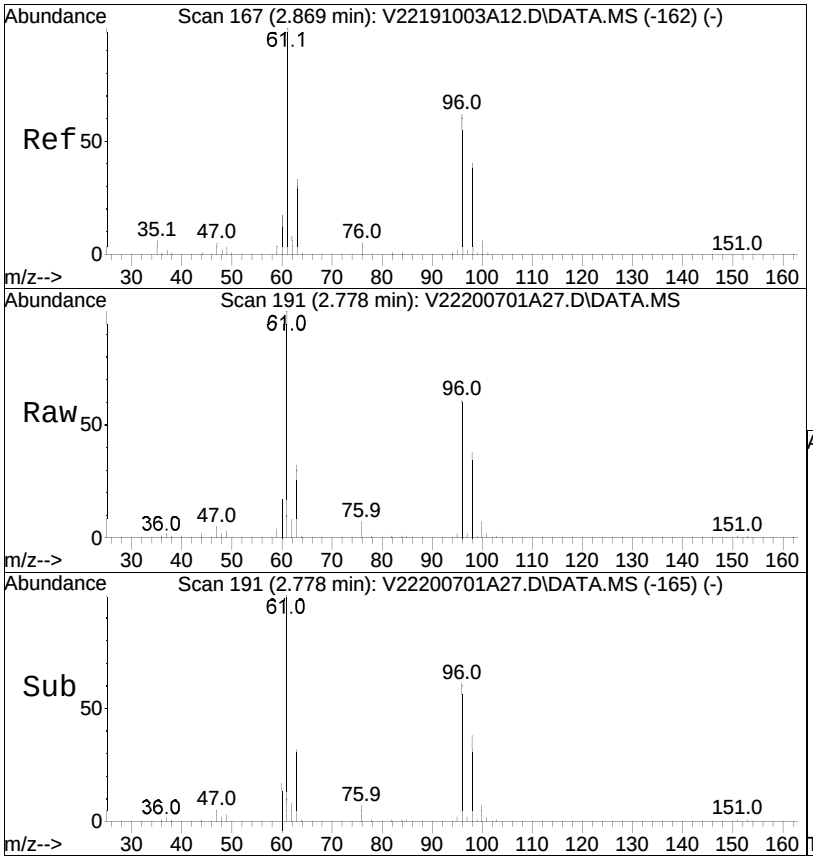


#7
Trichlorofluoromethane
Concen: 11.42 ug/L
RT: 2.302 min Scan# 130
Delta R.T. 0.000 min
Lab File: V22200701A27.D
Acq: 01 Jul 2020 07:25 pm

Tgt Ion:101 Resp: 68814

Ion	Ratio	Lower	Upper
101	100		
103	65.0	51.6	77.4

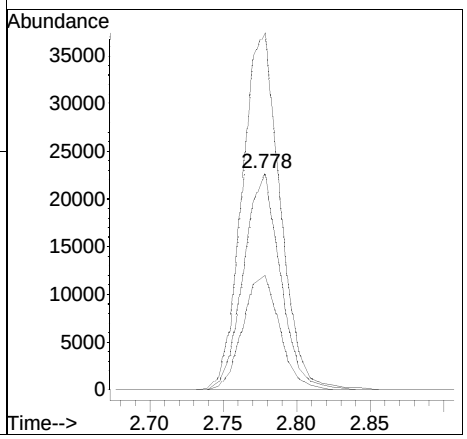


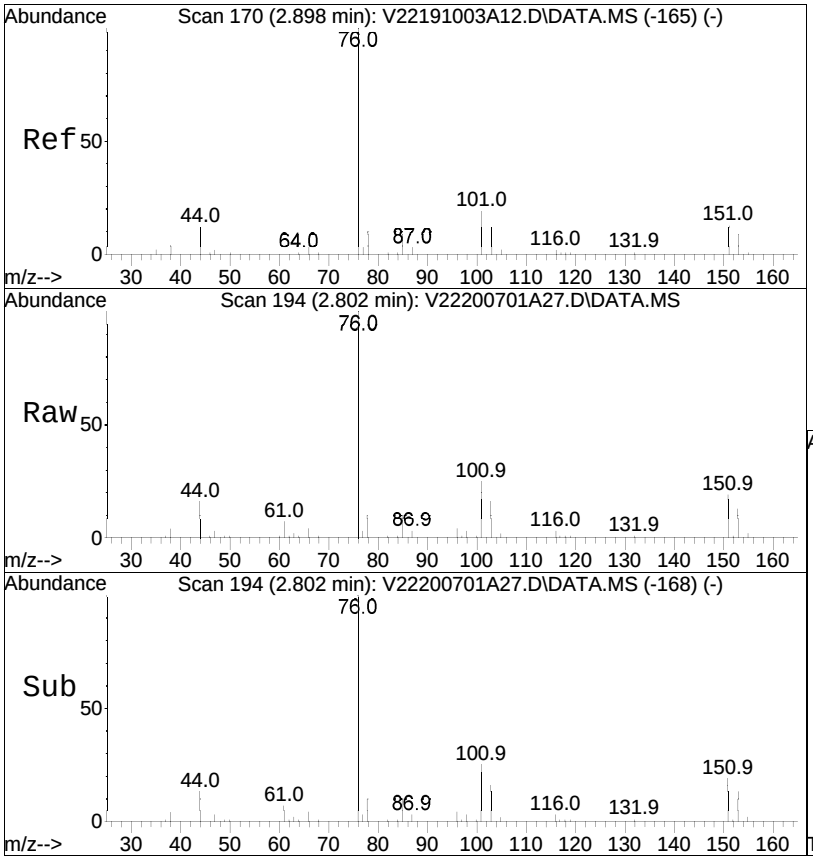


#10
1,1-Dichloroethene
Concen: 10.37 ug/L
RT: 2.778 min Scan# 191
Delta R.T. 0.000 min
Lab File: V22200701A27.D
Acq: 01 Jul 2020 07:25 pm

Tgt Ion: 96 Resp: 39129

Ion	Ratio	Lower	Upper
96	100		
61	170.8	117.0	175.4
63	53.2	37.8	56.6

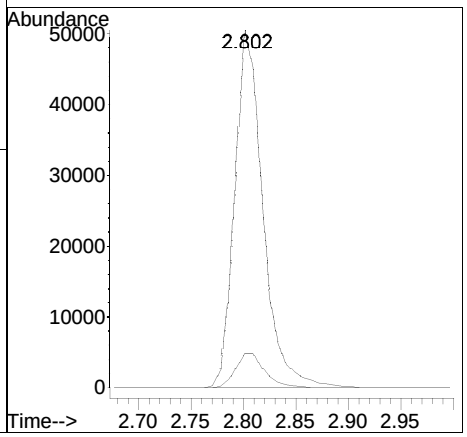


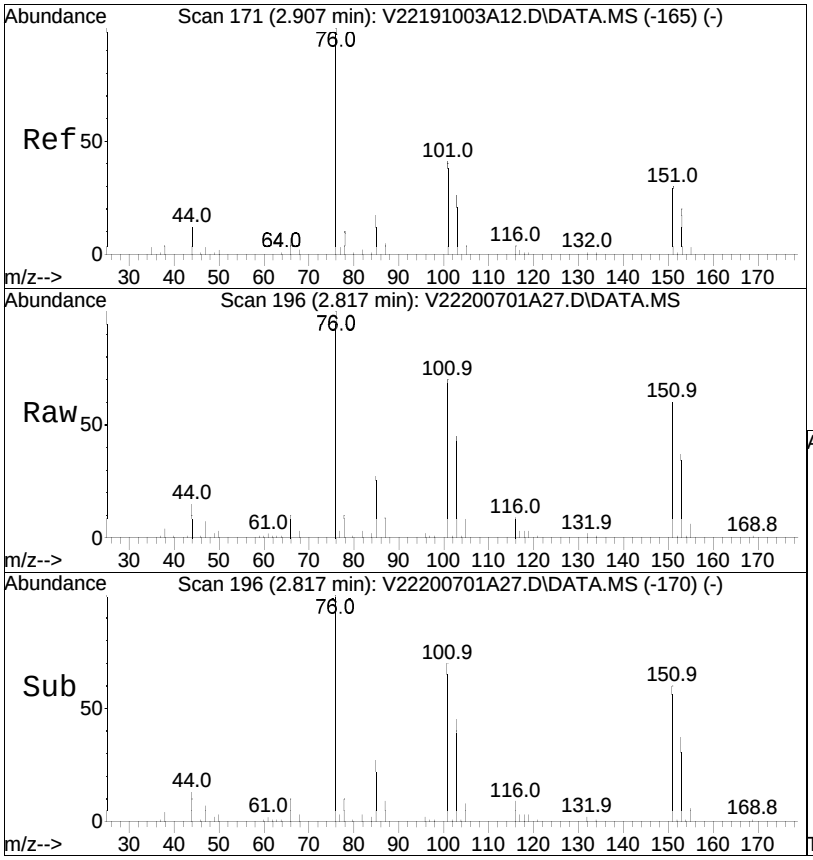


#11
Carbon disulfide
Concen: 10.03 ug/L
RT: 2.802 min Scan# 194
Delta R.T. -0.000 min
Lab File: V22200701A27.D
Acq: 01 Jul 2020 07:25 pm

Tgt Ion: 76 Resp: 93821

Ion	Ratio	Lower	Upper
76	100		
78	10.1	6.4	13.4

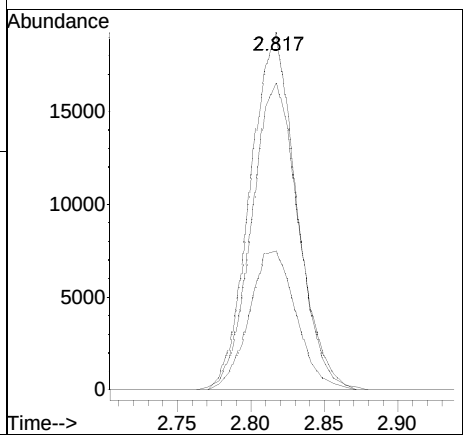


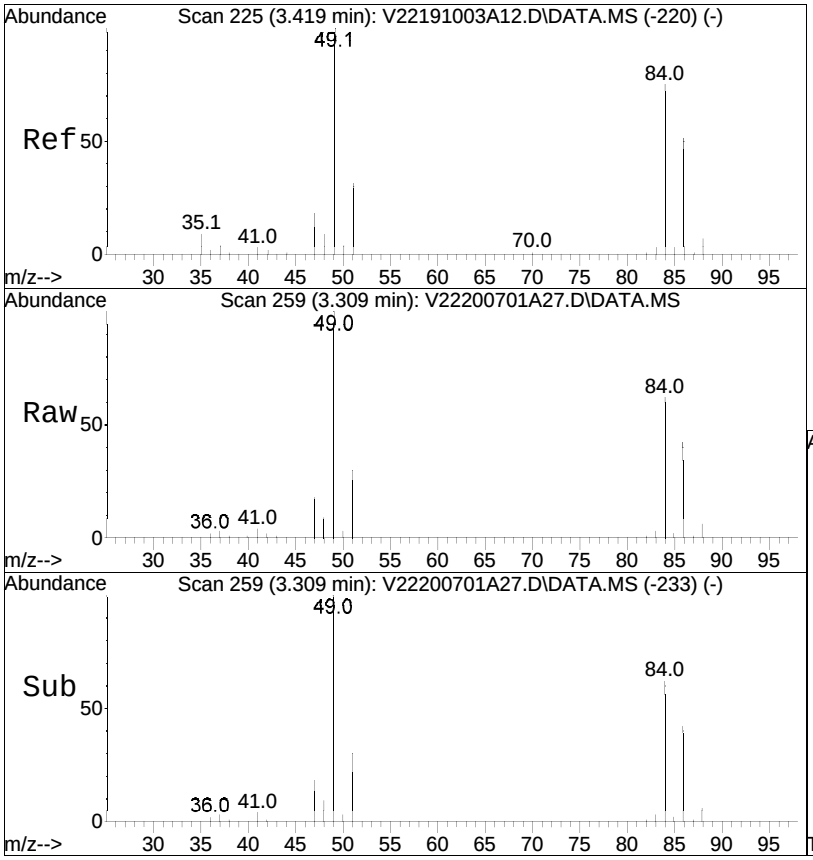


#12
Freon-113
Concen: 10.82 ug/L
RT: 2.817 min Scan# 196
Delta R.T. 0.000 min
Lab File: V22200701A27.D
Acq: 01 Jul 2020 07:25 pm

Tgt Ion:101 Resp: 41546

Ion	Ratio	Lower	Upper
101	100		
151	88.7	68.5	102.7
85	40.1	33.1	49.7

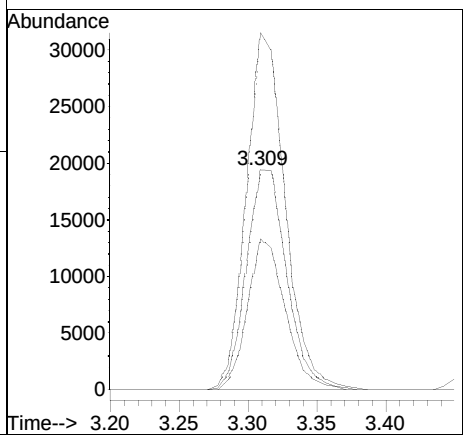


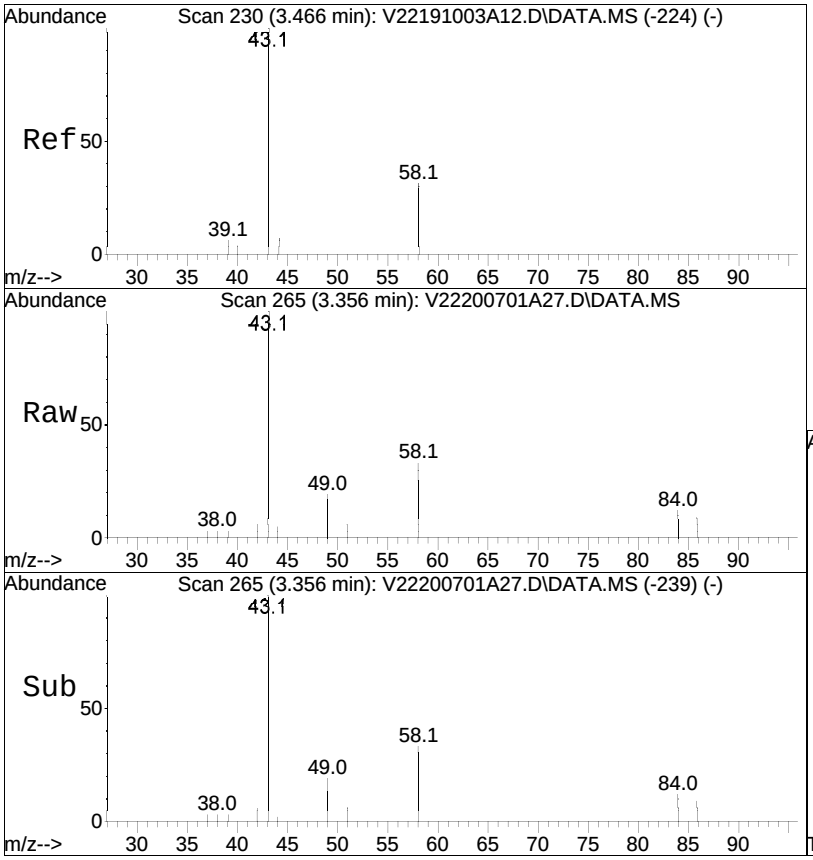


#15
Methylene chloride
Concen: 9.70 ug/L
RT: 3.309 min Scan# 259
Delta R.T. 0.000 min
Lab File: V22200701A27.D
Acq: 01 Jul 2020 07:25 pm

Tgt Ion: 84 Resp: 39253

Ion	Ratio	Lower	Upper
84	100		
86	64.6	41.5	86.3
49	156.1	68.8	143.0#

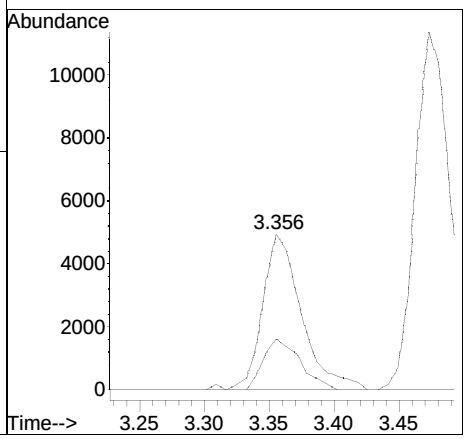


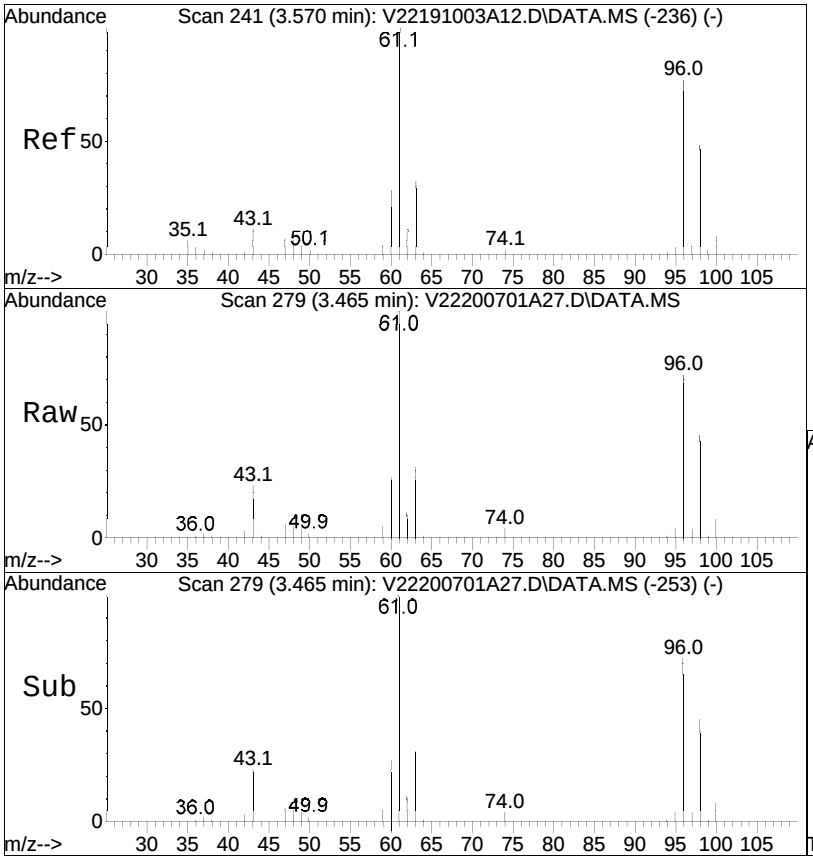


#17
Acetone
Concen: 13.30 ug/L
RT: 3.356 min Scan# 265
Delta R.T. -0.000 min
Lab File: V22200701A27.D
Acq: 01 Jul 2020 07:25 pm

Tgt Ion: 43 Resp: 10366

Ion	Ratio	Lower	Upper
43	100		
58	31.0	23.1	34.7

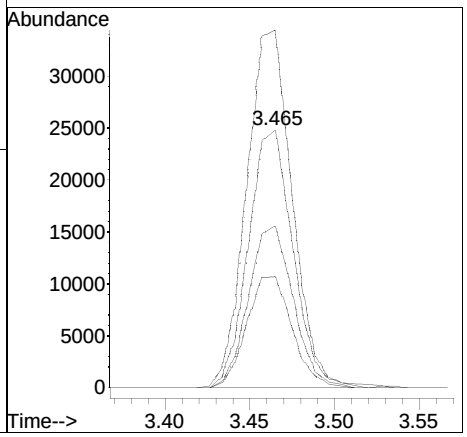


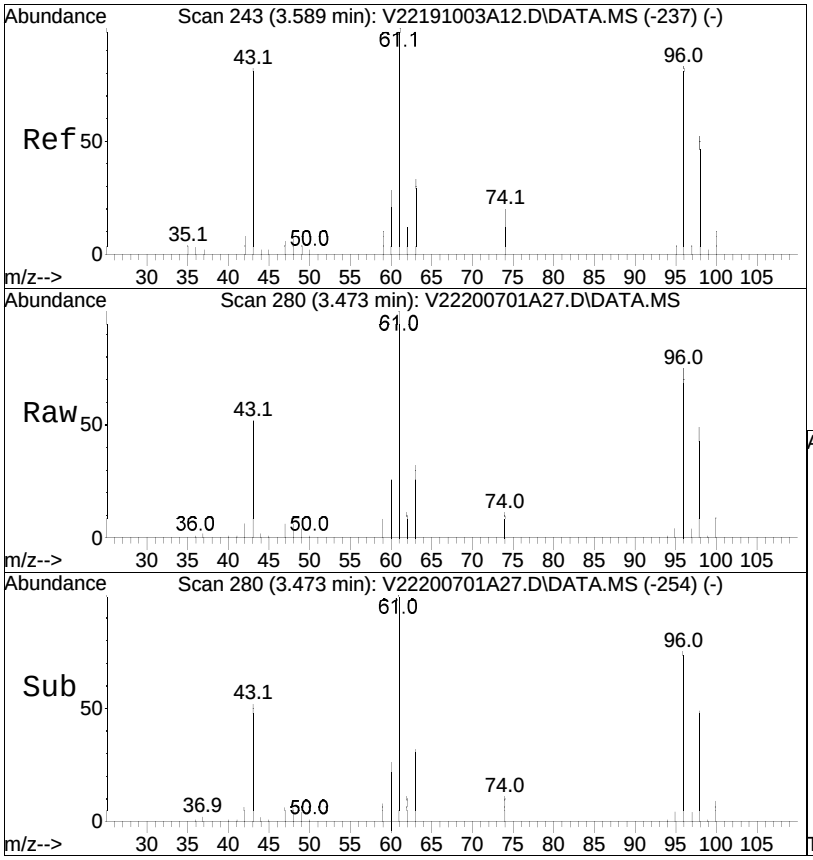


#18
trans-1,2-Dichloroethene
Concen: 10.88 ug/L
RT: 3.465 min Scan# 279
Delta R.T. 0.000 min
Lab File: V22200701A27.D
Acq: 01 Jul 2020 07:25 pm

Tgt Ion: 96 Resp: 45040

Ion	Ratio	Lower	Upper
96	100		
61	142.1	81.6	169.6
98	63.1	41.8	86.8
63	44.2	26.3	54.7

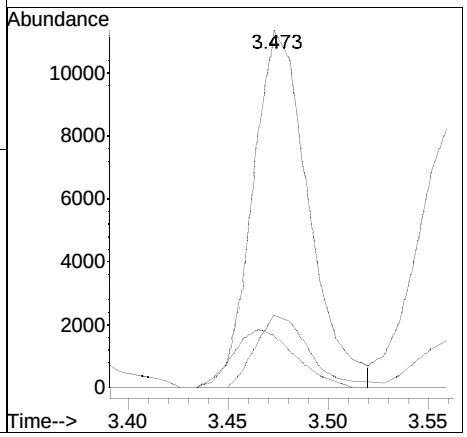


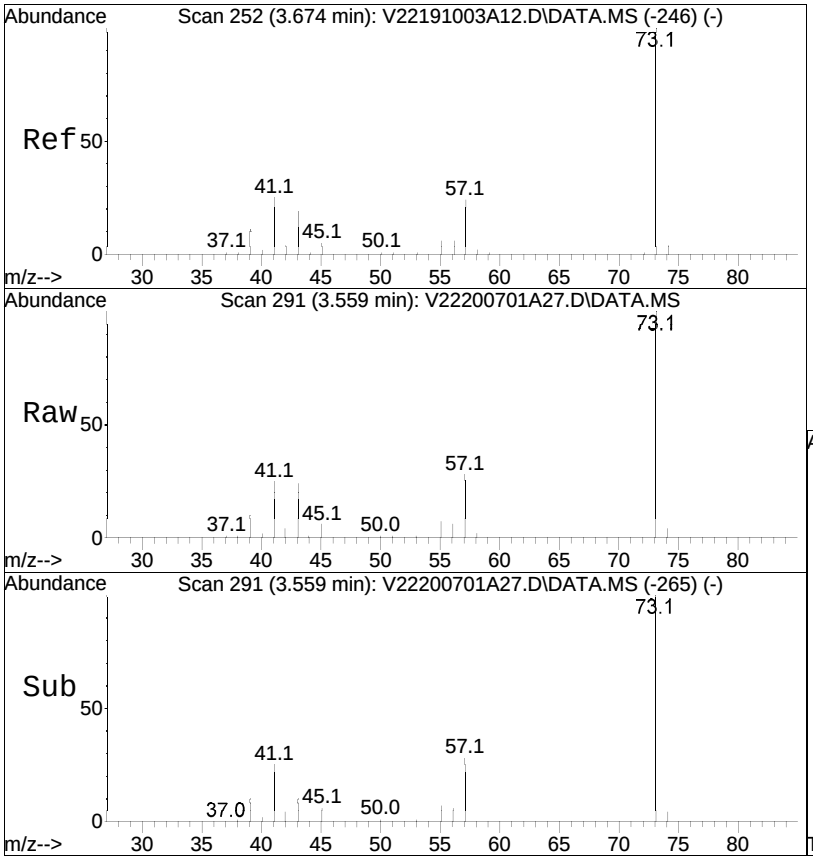


#19
Methyl acetate
Concen: 9.93 ug/L
RT: 3.473 min Scan# 280
Delta R.T. -0.000 min
Lab File: V22200701A27.D
Acq: 01 Jul 2020 07:25 pm

Tgt Ion: 43 Resp: 21951

Ion	Ratio	Lower	Upper
43	100		
74	19.9	21.8	32.6#
59	18.2	18.1	27.1

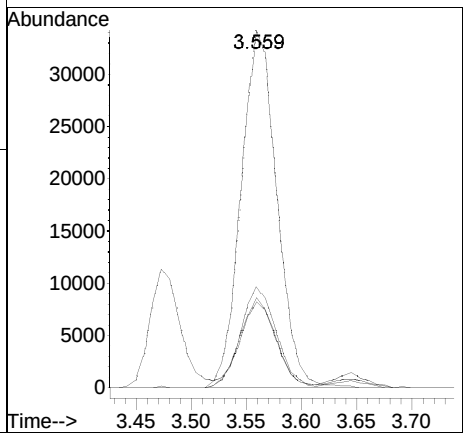


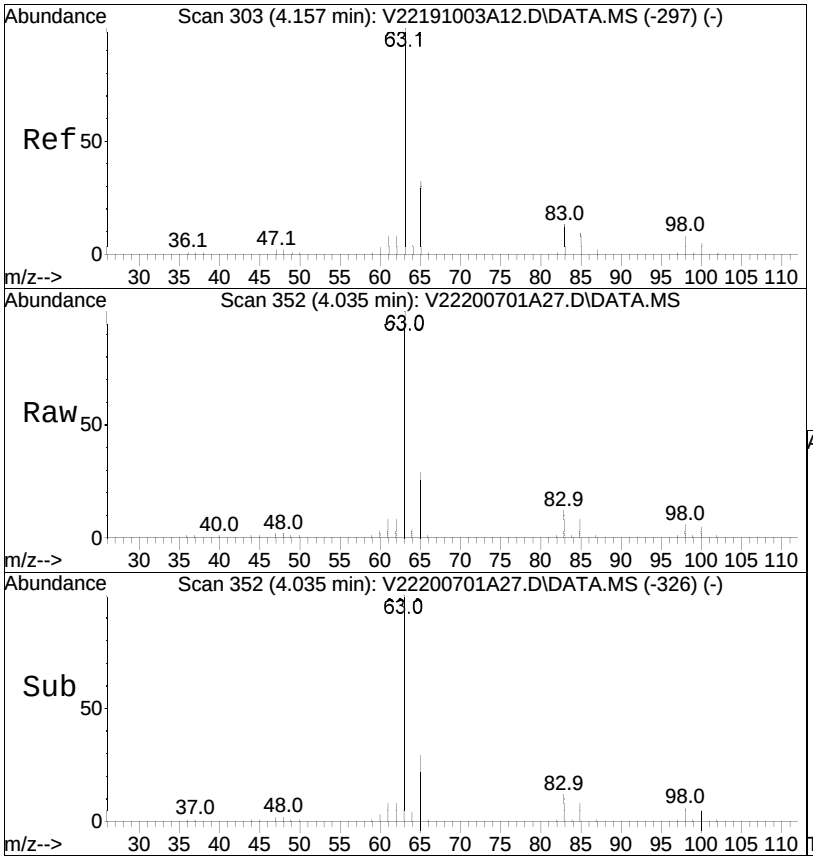


#21
Methyl tert-butyl ether
Concen: 8.67 ug/L
RT: 3.559 min Scan# 291
Delta R.T. -0.000 min
Lab File: V22200701A27.D
Acq: 01 Jul 2020 07:25 pm

Tgt Ion: 73 Resp: 76791

Ion	Ratio	Lower	Upper
73	100		
57	28.5	13.6	28.2#
43	24.7	12.7	26.5
41	25.6	11.4	23.8#

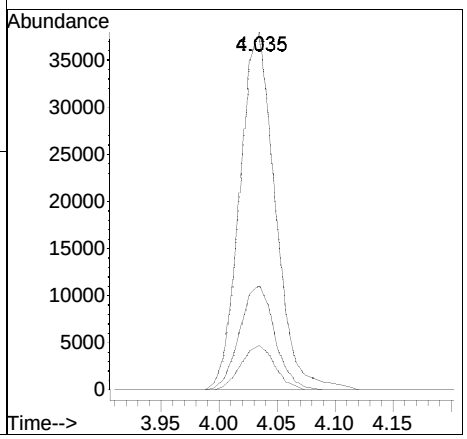


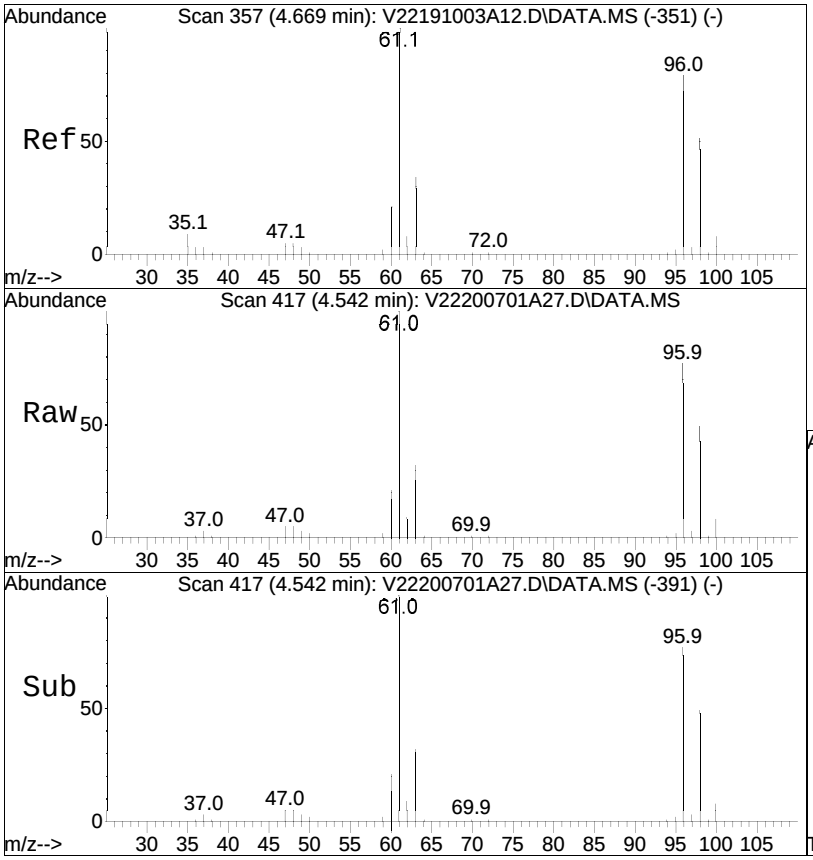


#25
1,1-Dichloroethane
Concen: 10.85 ug/L
RT: 4.035 min Scan# 352
Delta R.T. -0.000 min
Lab File: V22200701A27.D
Acq: 01 Jul 2020 07:25 pm

Tgt Ion: 63 Resp: 80038

Ion	Ratio	Lower	Upper
63	100		
65	28.8	11.9	51.9
83	11.9	0.0	34.2

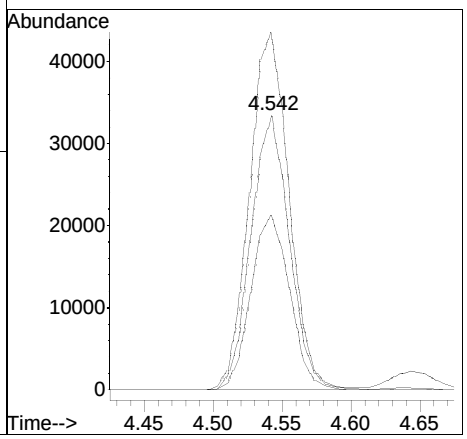


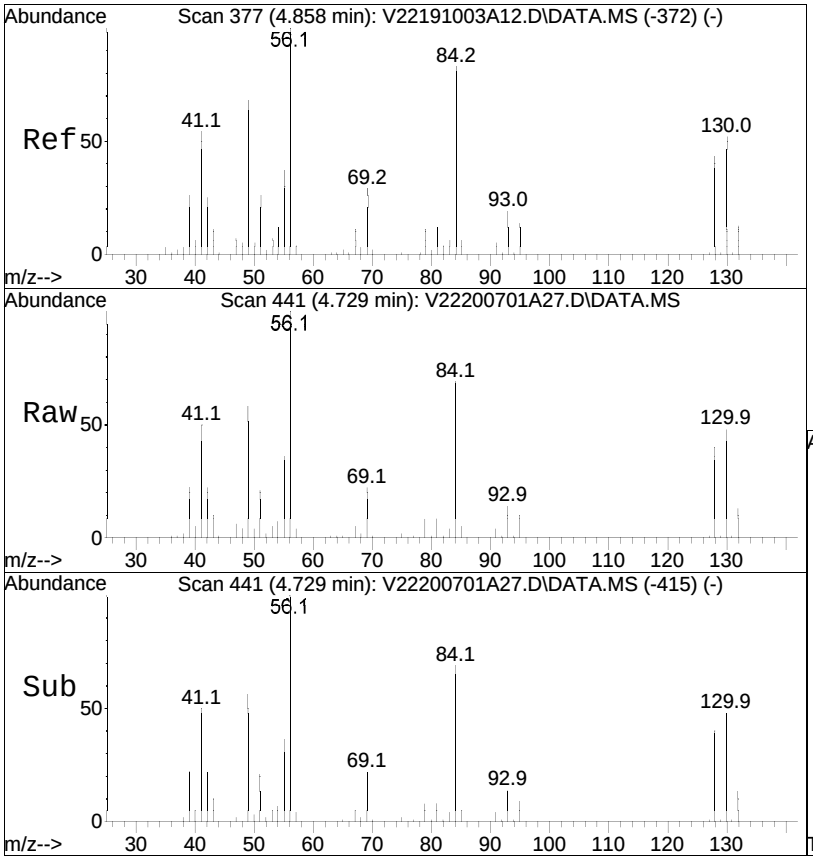


#30
cis-1,2-Dichloroethene
Concen: 14.42 ug/L
RT: 4.542 min Scan# 417
Delta R.T. 0.000 min
Lab File: V22200701A27.D
Acq: 01 Jul 2020 07:25 pm

Tgt Ion: 96 Resp: 64432

Ion	Ratio	Lower	Upper
96	100		
61	133.9	90.3	135.5
98	64.5	50.8	76.2

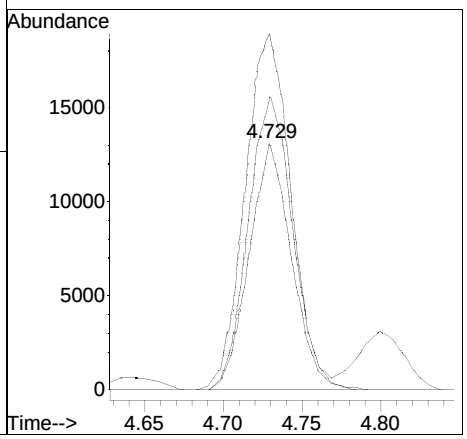


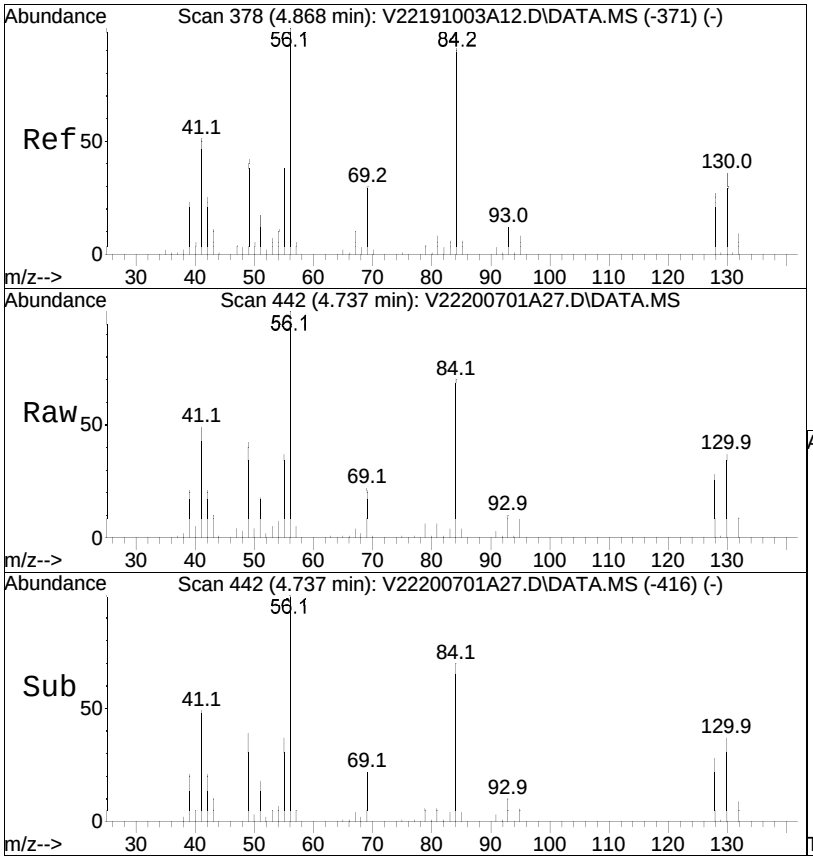


#32
Bromochloromethane
Concen: 10.38 ug/L
RT: 4.729 min Scan# 441
Delta R.T. 0.000 min
Lab File: V22200701A27.D
Acq: 01 Jul 2020 07:25 pm

Tgt Ion:128 Resp: 24318

Ion	Ratio	Lower	Upper
128	100		
49	156.6	104.4	156.6#
130	125.7	103.9	155.9

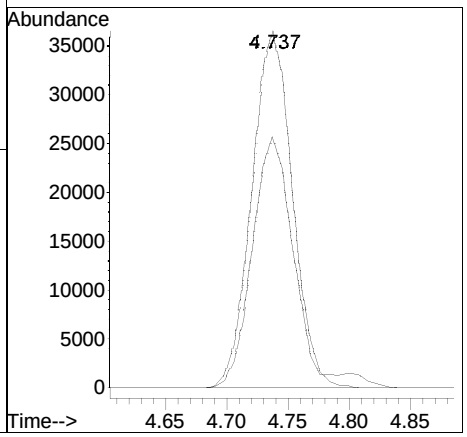


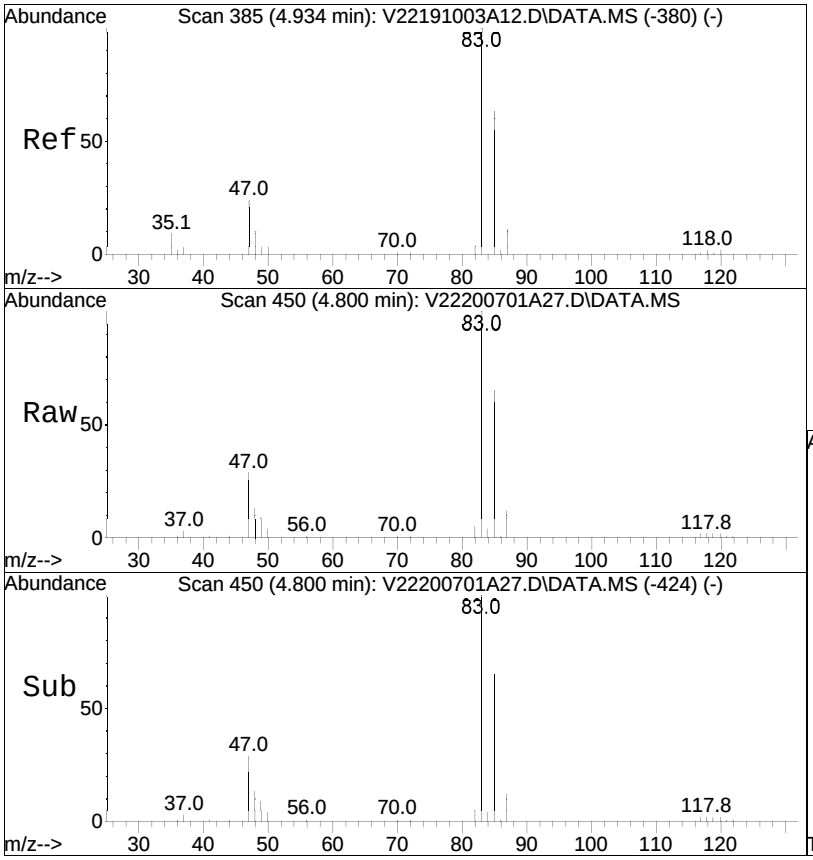


#33
Cyclohexane
Concen: 10.44 ug/L
RT: 4.737 min Scan# 442
Delta R.T. 0.000 min
Lab File: V22200701A27.D
Acq: 01 Jul 2020 07:25 pm

Tgt Ion: 56 Resp: 83691

Ion	Ratio	Lower	Upper
56	100		
84	71.3	66.0	137.2

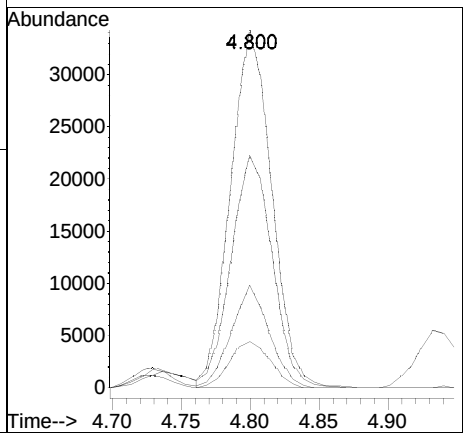


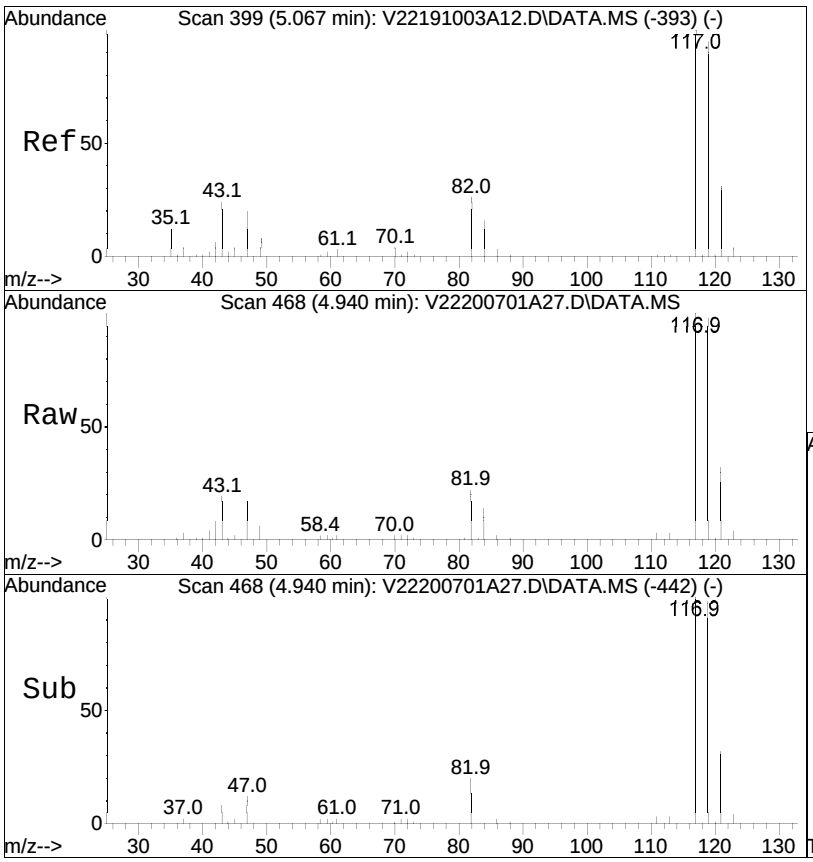


#34
Chloroform
Concen: 10.45 ug/L
RT: 4.800 min Scan# 450
Delta R.T. -0.000 min
Lab File: V22200701A27.D
Acq: 01 Jul 2020 07:25 pm

Tgt Ion: 83 Resp: 70765

Ion	Ratio	Lower	Upper
83	100		
85	65.2	42.4	88.2
47	26.5	14.0	29.0
48	13.0	6.9	14.3

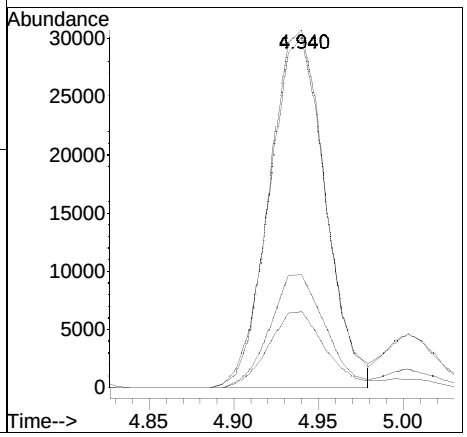


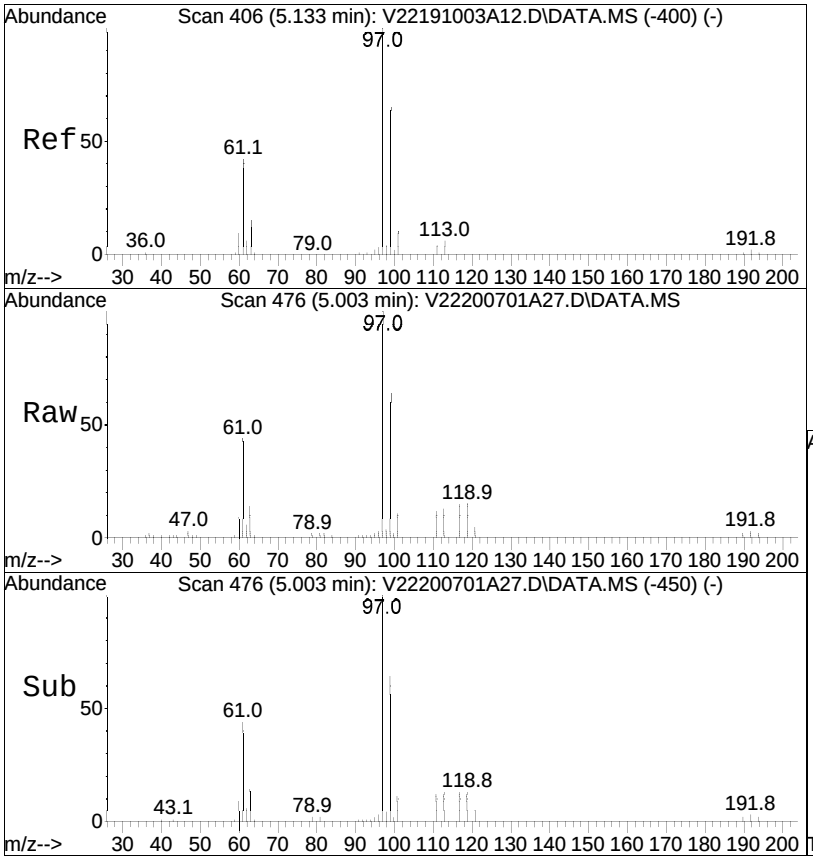


#36
Carbon tetrachloride
Concen: 10.57 ug/L
RT: 4.940 min Scan# 468
Delta R.T. 0.000 min
Lab File: V22200701A27.D
Acq: 01 Jul 2020 07:25 pm

Tgt Ion:117 Resp: 70372

Ion	Ratio	Lower	Upper
117	100		
119	97.3	62.1	129.1
121	31.4	20.3	42.3
82	21.8	15.4	32.0

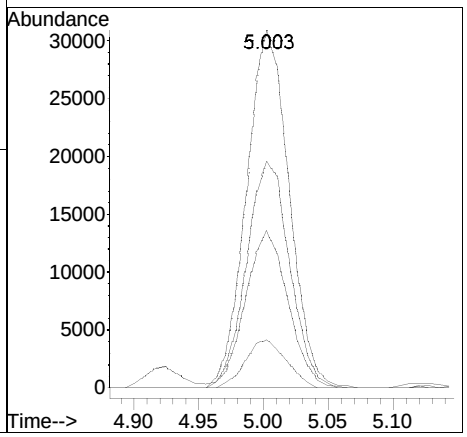


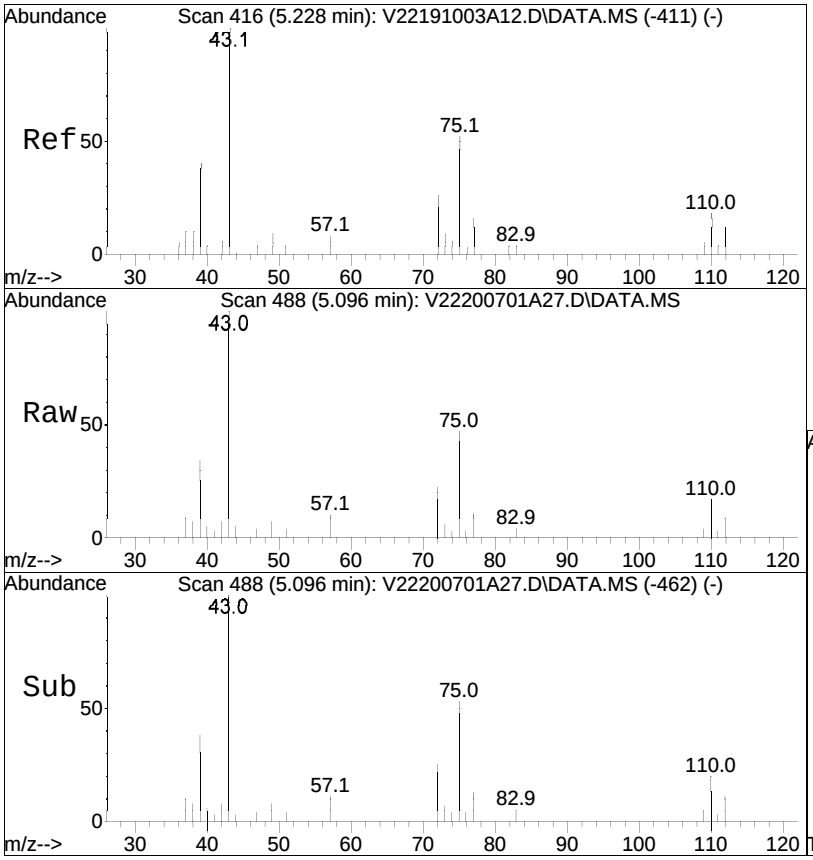


#39
1,1,1-Trichloroethane
Concen: 10.99 ug/L
RT: 5.003 min Scan# 476
Delta R.T. -0.000 min
Lab File: V22200701A27.D
Acq: 01 Jul 2020 07:25 pm

Tgt Ion: 97 Resp: 70126

Ion	Ratio	Lower	Upper
97	100		
99	64.1	42.4	88.0
61	44.0	26.0	54.0
63	13.0	8.3	17.3

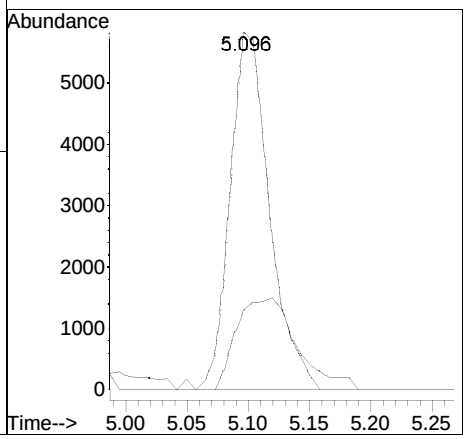


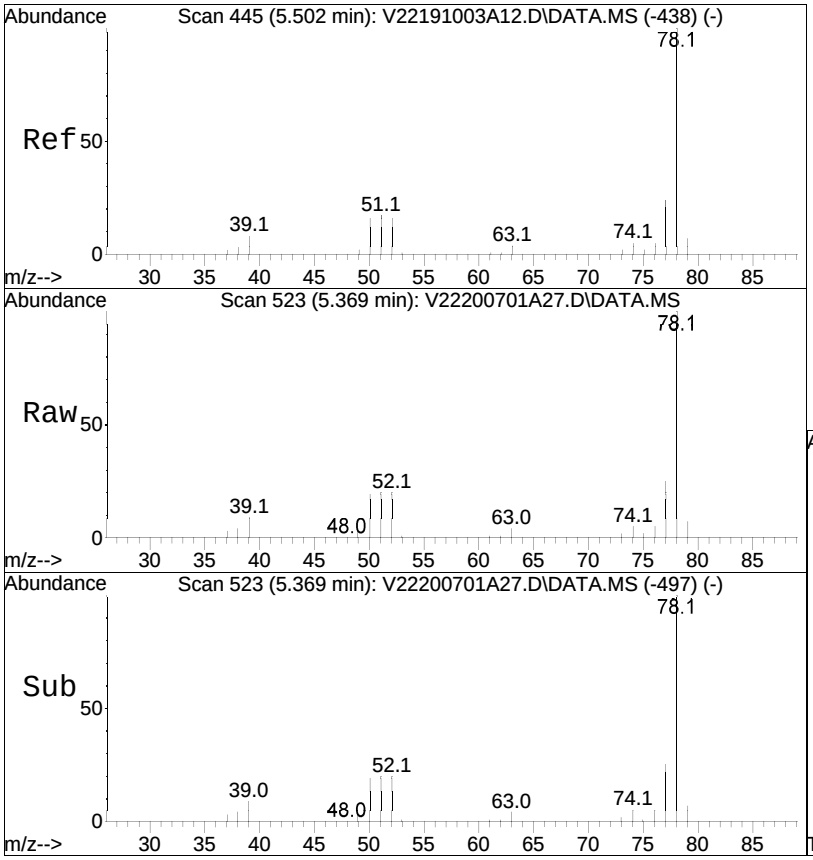


#41
2-Butanone
Concen: 10.59 ug/L
RT: 5.096 min Scan# 488
Delta R.T. 0.000 min
Lab File: V22200701A27.D
Acq: 01 Jul 2020 07:25 pm

Tgt Ion: 43 Resp: 13500

Ion	Ratio	Lower	Upper
43	100		
72	33.9	45.8	68.8#

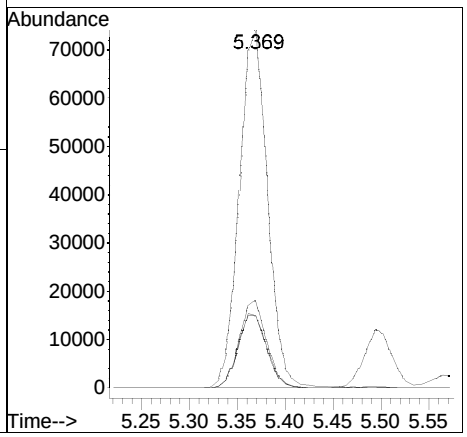


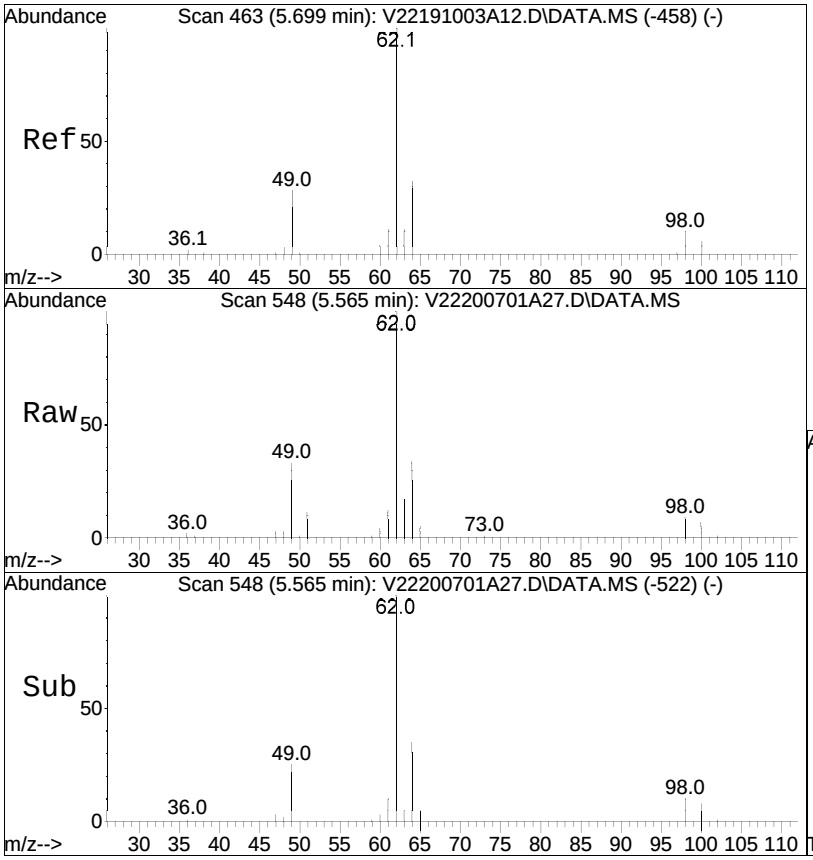


#44
Benzene
Concen: 9.10 ug/L
RT: 5.369 min Scan# 523
Delta R.T. 0.000 min
Lab File: V22200701A27.D
Acq: 01 Jul 2020 07:25 pm

Tgt Ion: 78 Resp: 151275

Ion	Ratio	Lower	Upper
78	100		
77	23.8	15.4	32.0
51	20.9	9.8	20.4#
52	20.9	9.2	19.2#

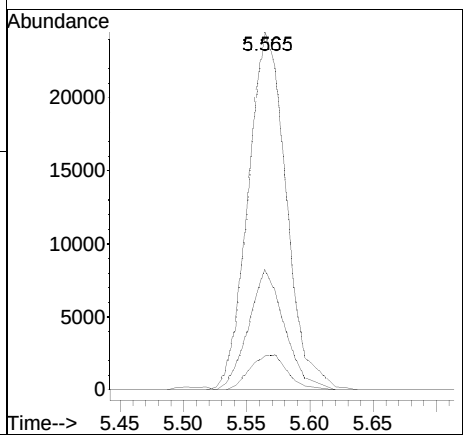


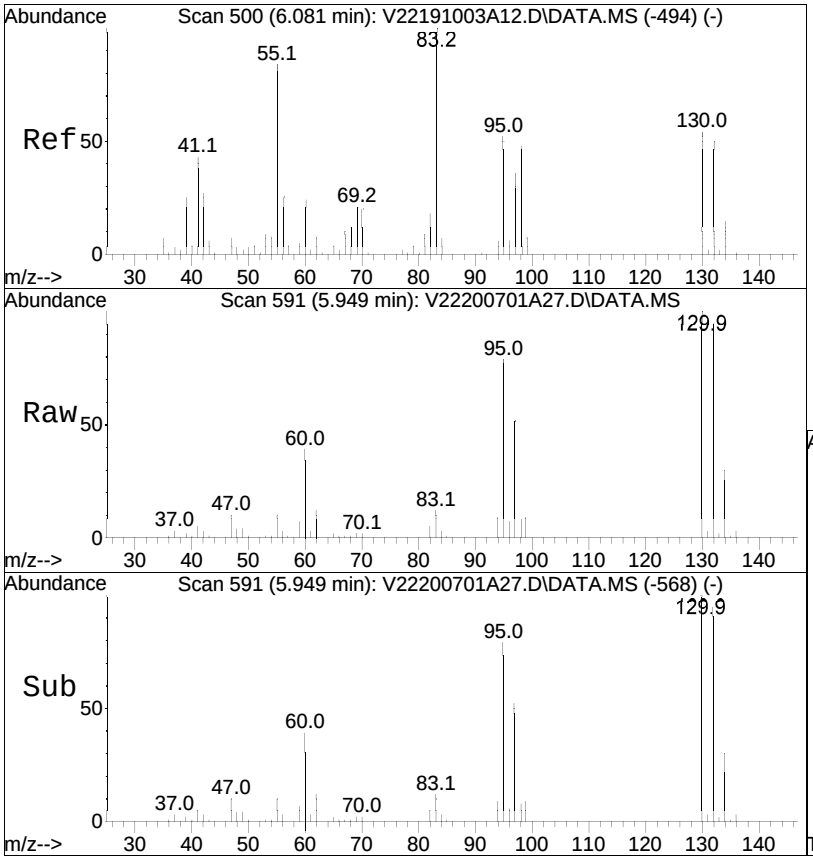


#47
1,2-Dichloroethane
Concen: 10.74 ug/L
RT: 5.565 min Scan# 548
Delta R.T. -0.000 min
Lab File: V22200701A27.D
Acq: 01 Jul 2020 07:25 pm

Tgt Ion: 62 Resp: 57742

Ion	Ratio	Lower	Upper
62	100		
64	33.0	12.3	52.3
98	10.0	0.0	30.3

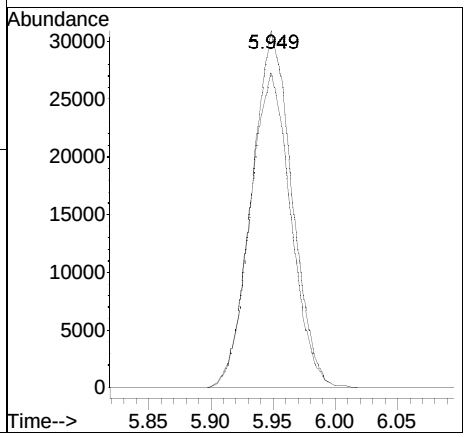


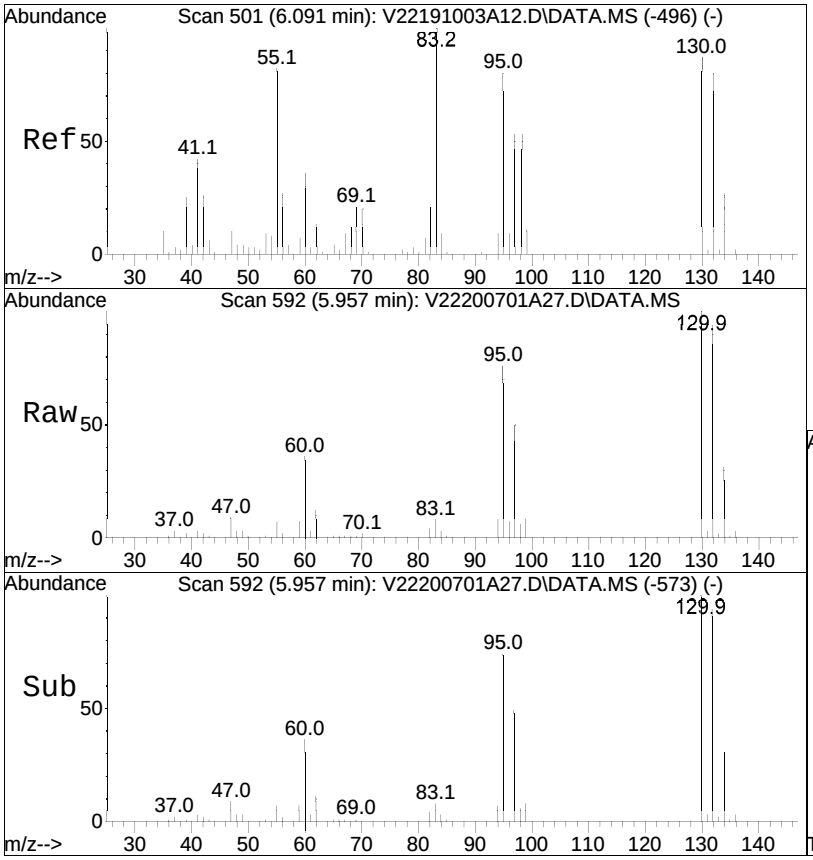


#50
Methyl cyclohexane
Concen: 9.74 ug/L
RT: 5.949 min Scan# 591
Delta R.T. -0.000 min
Lab File: V22200701A27.D
Acq: 01 Jul 2020 07:25 pm

Tgt Ion: 83 Resp: 68832

Ion	Ratio	Lower	Upper
83	100		
55	90.2	55.4	83.2#

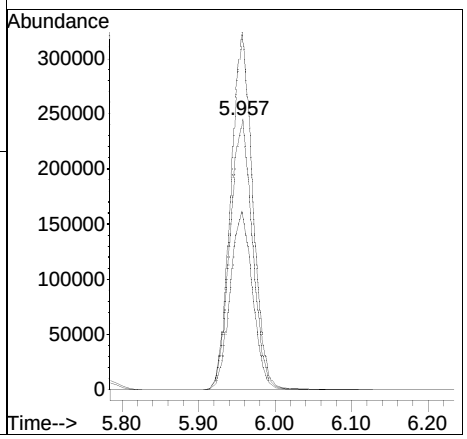


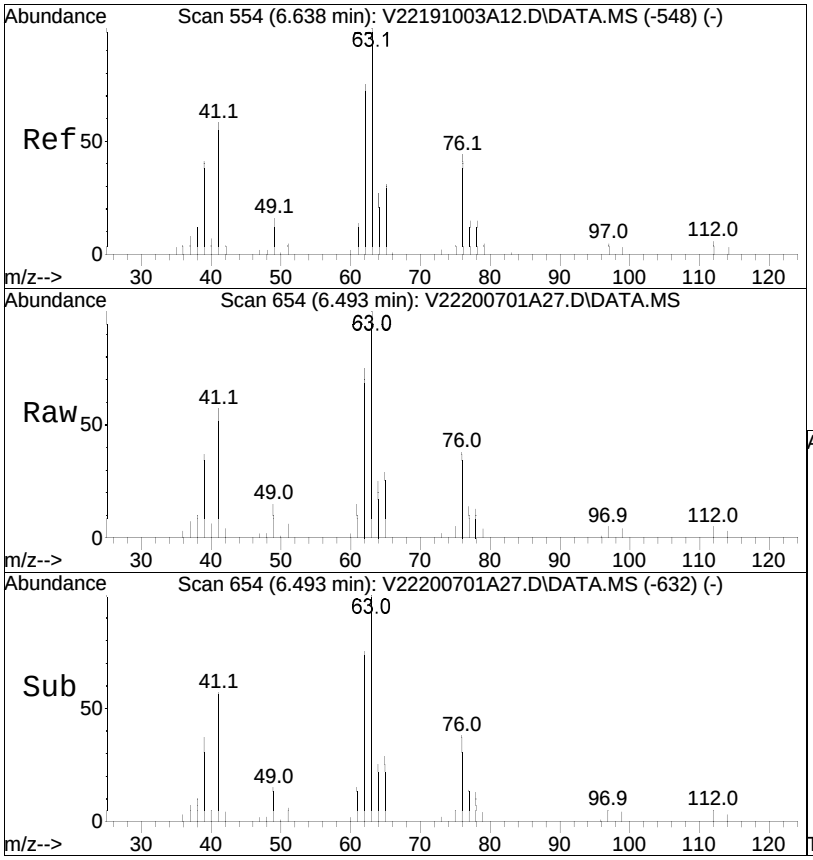


#51
Trichloroethene
Concen: 107.74 ug/L
RT: 5.957 min Scan# 592
Delta R.T. 0.000 min
Lab File: V22200701A27.D
Acq: 01 Jul 2020 07:25 pm

Tgt Ion: 95 Resp: 495342

Ion	Ratio	Lower	Upper
95	100		
97	66.0	55.0	82.4
130	128.8	89.2	133.8

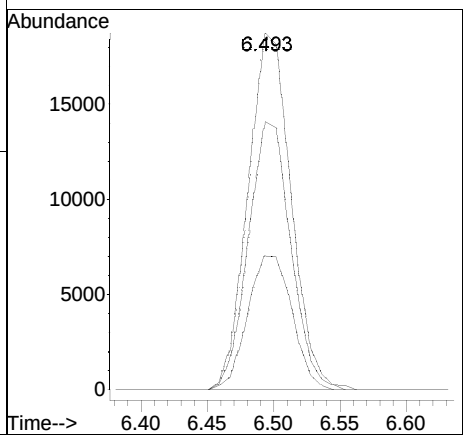


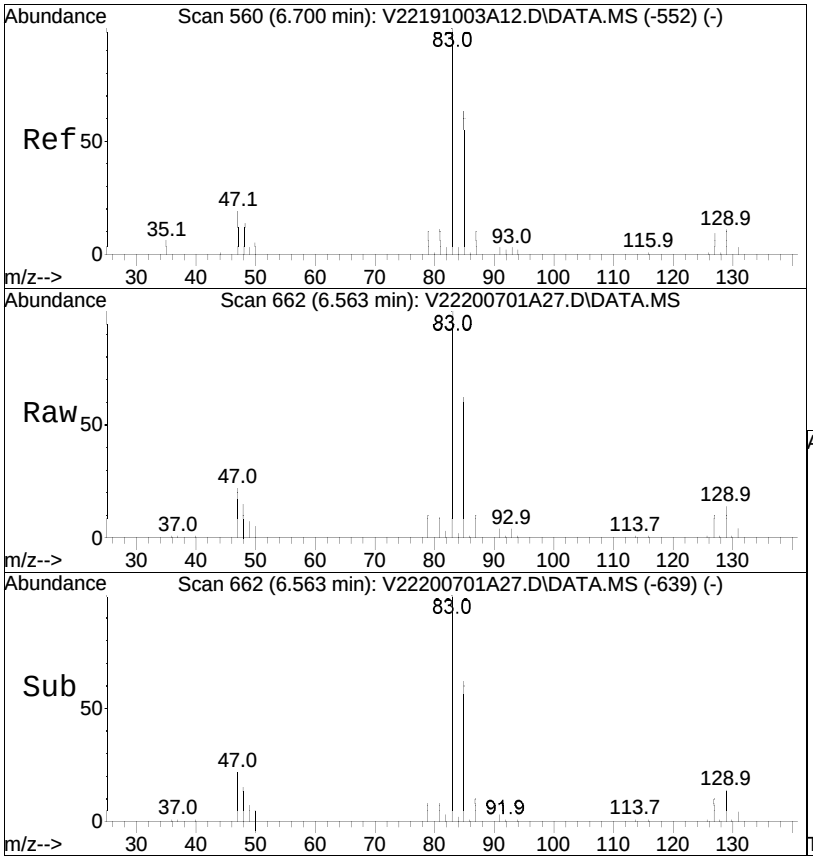


#54
1,2-Dichloropropane
Concen: 9.92 ug/L
RT: 6.493 min Scan# 654
Delta R.T. -0.009 min
Lab File: V22200701A27.D
Acq: 01 Jul 2020 07:25 pm

Tgt Ion: 63 Resp: 42021

Ion	Ratio	Lower	Upper
63	100		
62	74.1	56.9	85.3
76	38.8	35.8	53.8

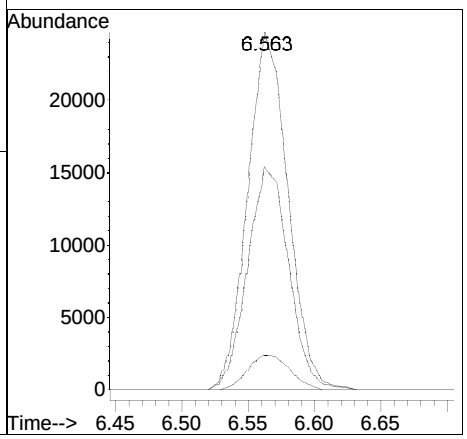


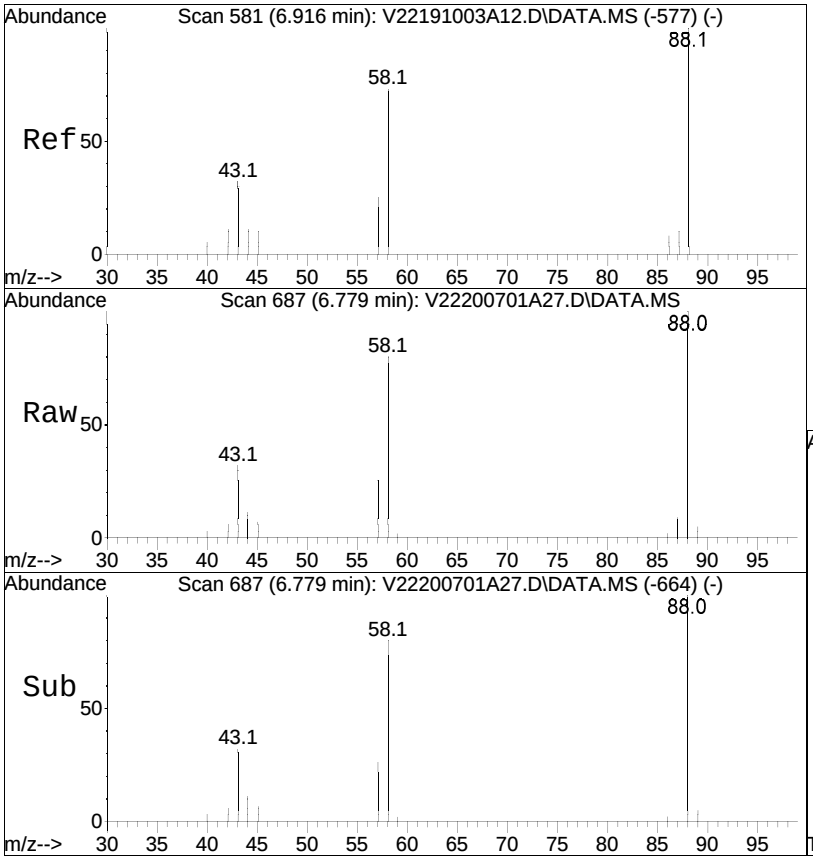


#57
Bromodichloromethane
Concen: 9.80 ug/L
RT: 6.563 min Scan# 662
Delta R.T. -0.000 min
Lab File: V22200701A27.D
Acq: 01 Jul 2020 07:25 pm

Tgt Ion: 83 Resp: 51776

Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.6	77.4
127	10.2	7.4	11.0

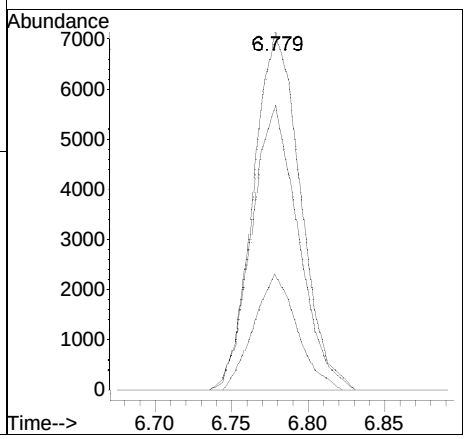


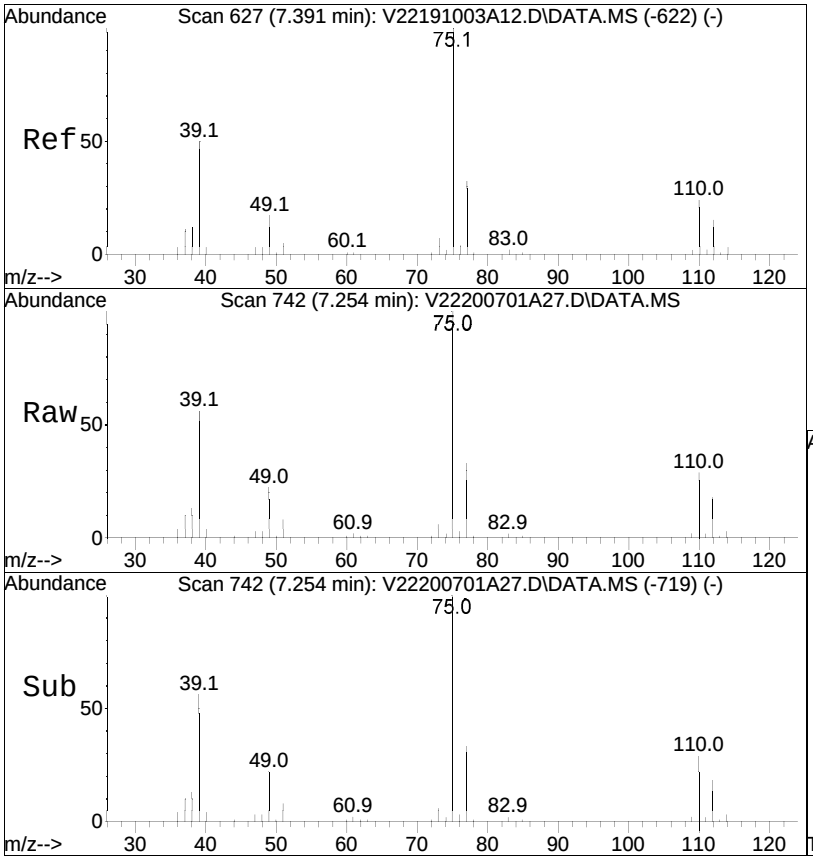


#60
1,4-Dioxane
Concen: 791.05 ug/L
RT: 6.779 min Scan# 687
Delta R.T. -0.000 min
Lab File: V22200701A27.D
Acq: 01 Jul 2020 07:25 pm

Tgt Ion: 88 Resp: 15086

Ion	Ratio	Lower	Upper
88	100		
58	79.3	43.3	64.9#
43	29.9	15.1	22.7#

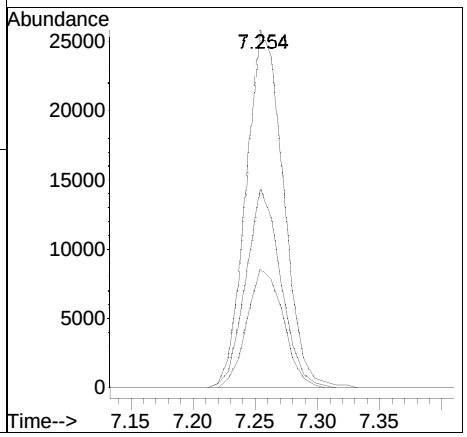


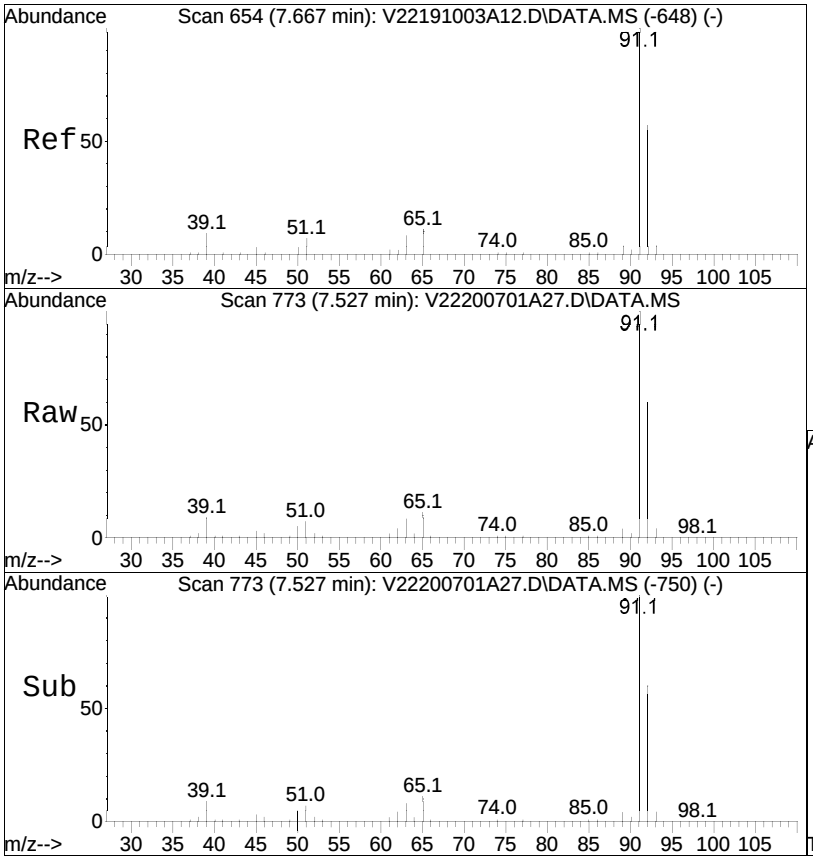


#61
cis-1,3-Dichloropropene
Concen: 8.32 ug/L
RT: 7.254 min Scan# 742
Delta R.T. 0.000 min
Lab File: V22200701A27.D
Acq: 01 Jul 2020 07:25 pm

Tgt Ion: 75 Resp: 53686

Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.6	38.4
39	52.4	35.4	53.0

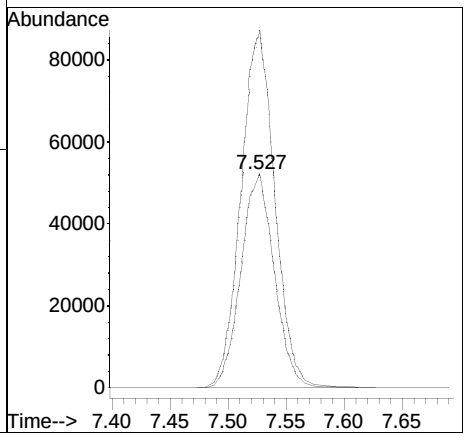


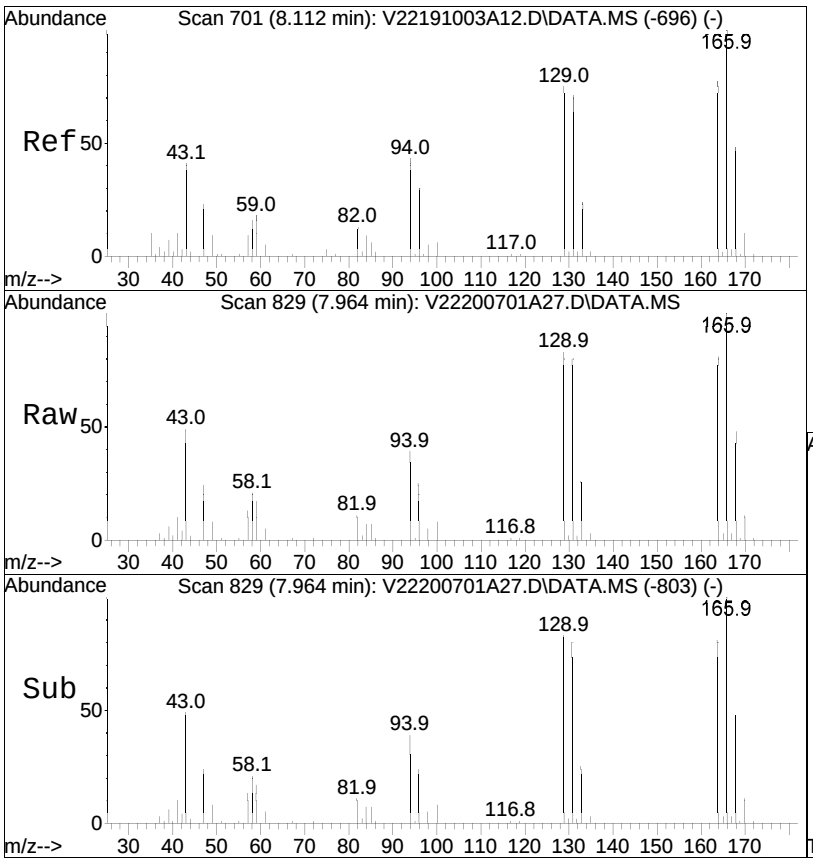


#64
Toluene
Concen: 9.16 ug/L
RT: 7.527 min Scan# 773
Delta R.T. -0.000 min
Lab File: V22200701A27.D
Acq: 01 Jul 2020 07:25 pm

Tgt Ion: 92 Resp: 103748

Ion	Ratio	Lower	Upper
92	100		
91	168.3	137.0	205.6

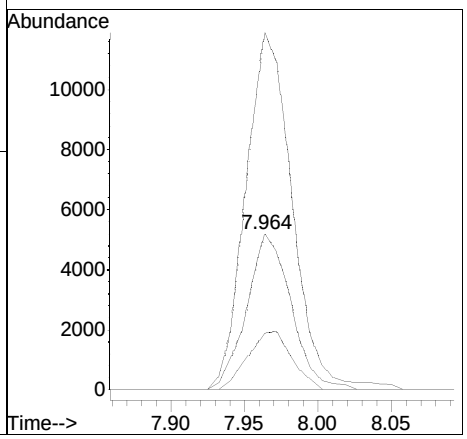


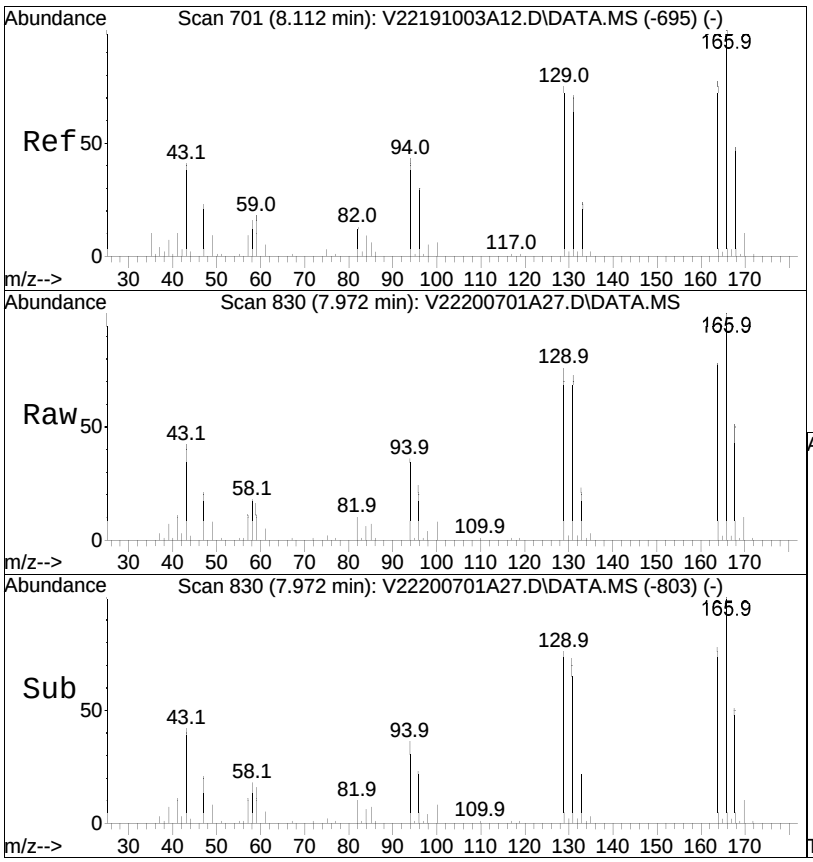


#65
4-Methyl-2-pentanone
Concen: 8.29 ug/L
RT: 7.964 min Scan# 829
Delta R.T. -0.000 min
Lab File: V22200701A27.D
Acq: 01 Jul 2020 07:25 pm

Tgt Ion: 58 Resp: 10843

Ion	Ratio	Lower	Upper
58	100		
100	37.1	36.2	54.4
43	239.7	181.8	272.8

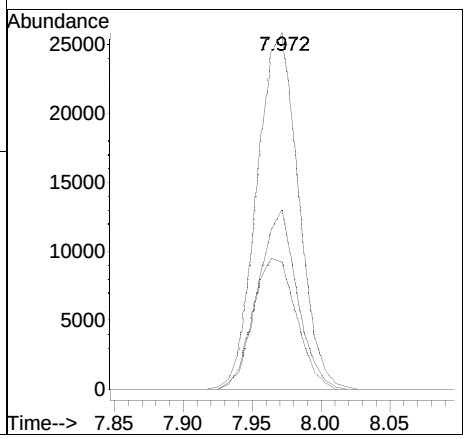


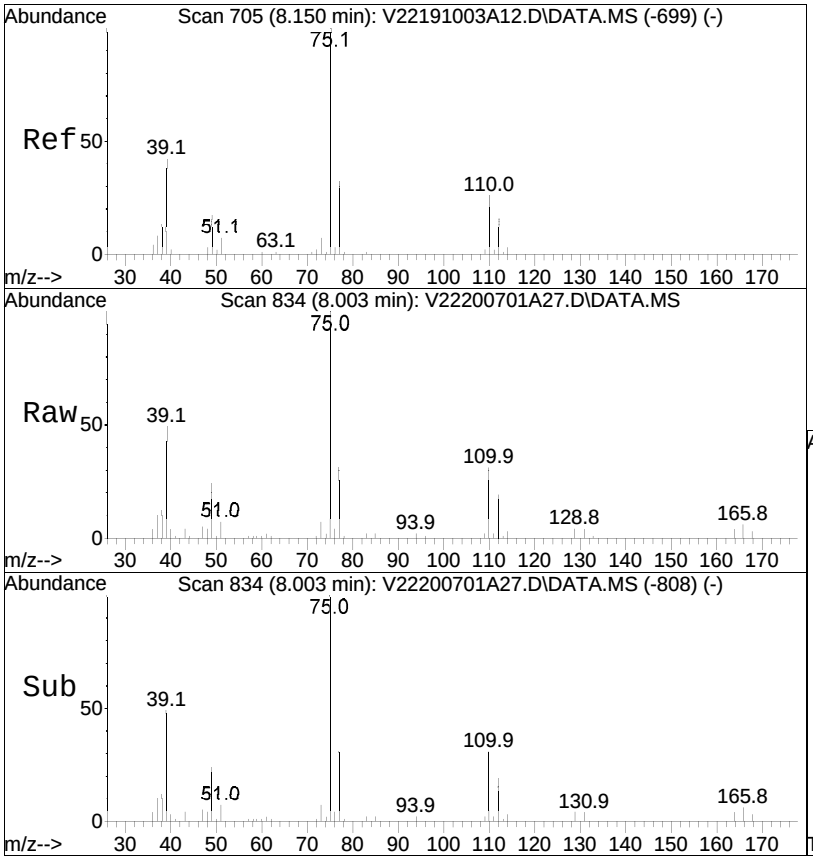


#66
Tetrachloroethene
Concen: 10.02 ug/L
RT: 7.972 min Scan# 830
Delta R.T. 0.008 min
Lab File: V22200701A27.D
Acq: 01 Jul 2020 07:25 pm

Tgt Ion:166 Resp: 54012

Ion	Ratio	Lower	Upper
166	100		
168	47.8	27.8	67.8
94	38.4	16.7	56.7

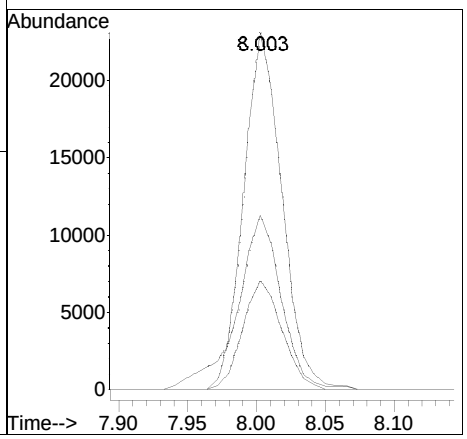


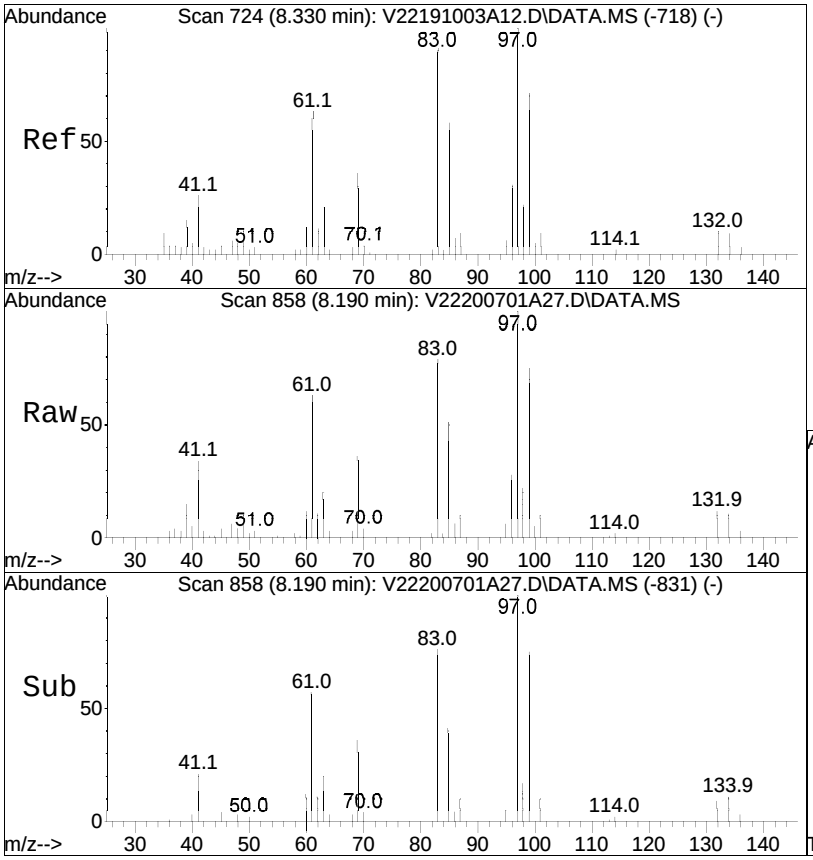


#68
trans-1,3-Dichloropropene
Concen: 7.73 ug/L
RT: 8.003 min Scan# 834
Delta R.T. -0.000 min
Lab File: V22200701A27.D
Acq: 01 Jul 2020 07:25 pm

Tgt Ion: 75 Resp: 44297

Ion	Ratio	Lower	Upper
75	100		
77	31.4	11.9	51.9
39	56.6	27.4	67.4

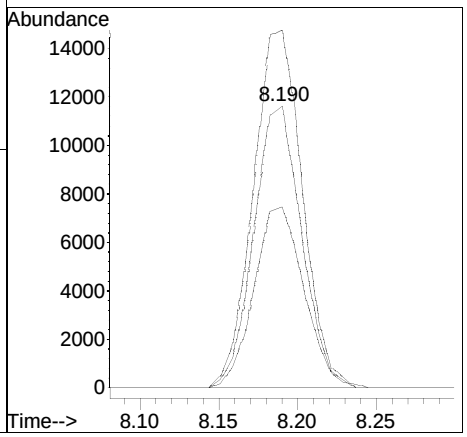


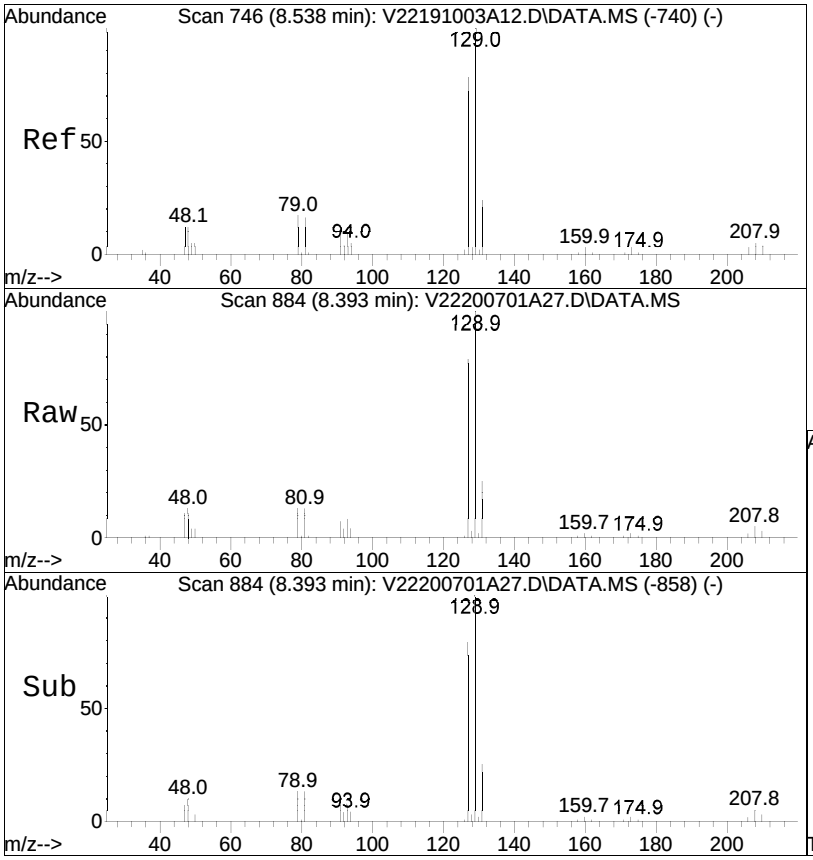


#71
1,1,2-Trichloroethane
Concen: 8.72 ug/L
RT: 8.190 min Scan# 858
Delta R.T. 0.008 min
Lab File: V22200701A27.D
Acq: 01 Jul 2020 07:25 pm

Tgt Ion: 83 Resp: 24398

Ion	Ratio	Lower	Upper
83	100		
97	130.5	103.4	143.4
85	67.3	47.9	87.9

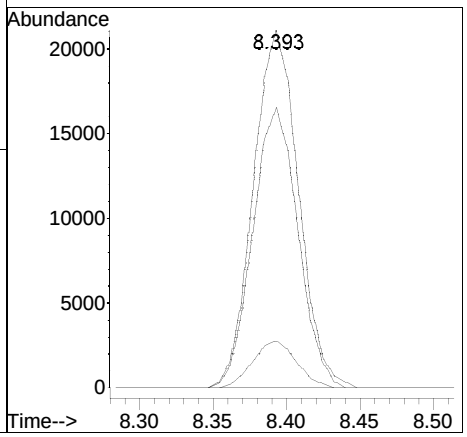


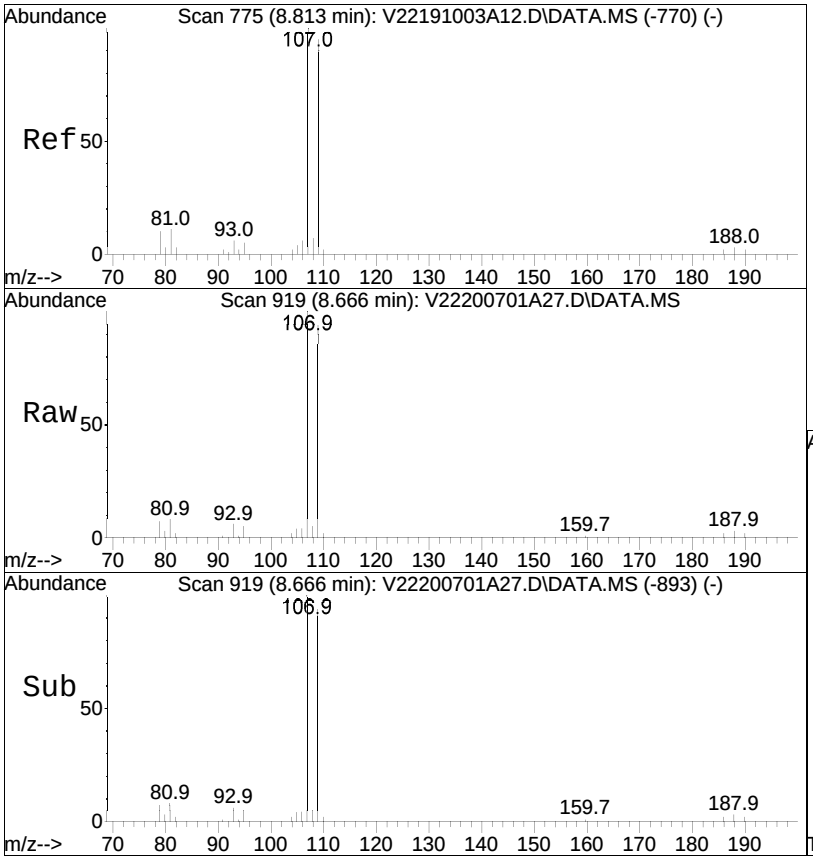


#72
Chlorodibromomethane
Concen: 9.16 ug/L
RT: 8.393 min Scan# 884
Delta R.T. 0.000 min
Lab File: V22200701A27.D
Acq: 01 Jul 2020 07:25 pm

Tgt Ion:129 Resp: 44710

Ion	Ratio	Lower	Upper
129	100		
81	12.7	0.0	33.8
127	78.3	57.1	97.1

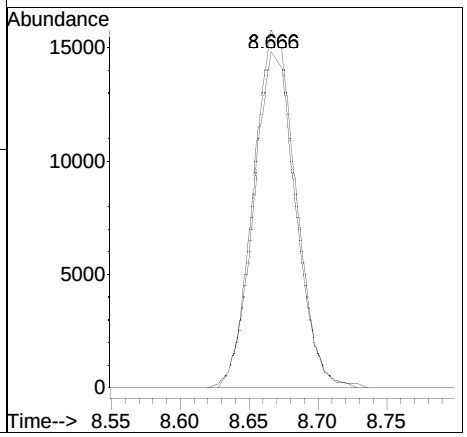


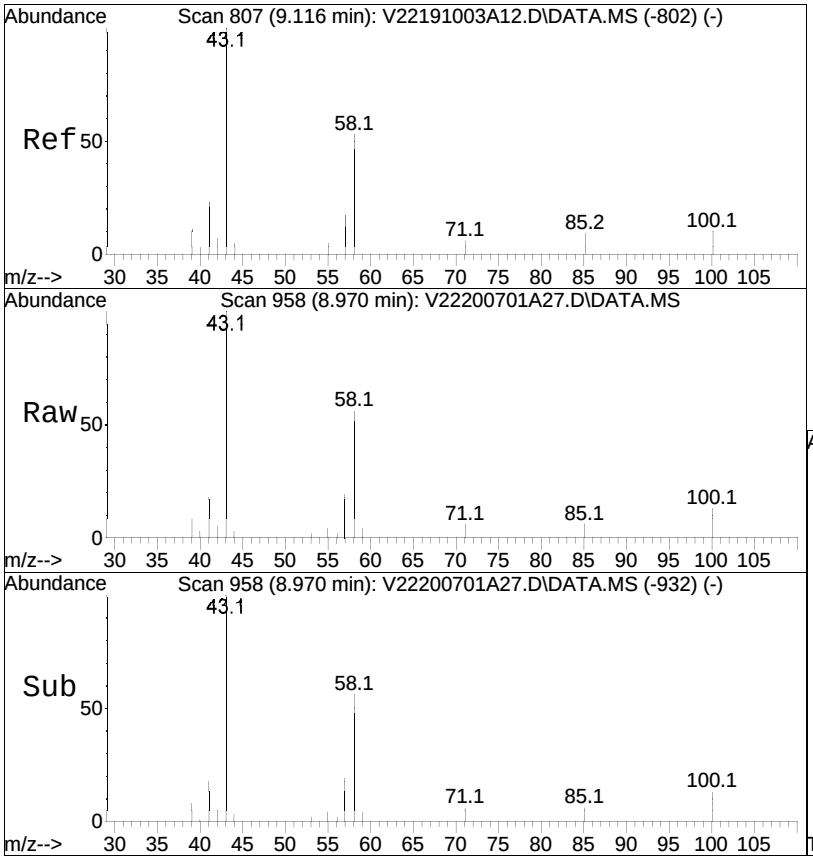


#74
1,2-Dibromoethane
Concen: 8.98 ug/L
RT: 8.666 min Scan# 919
Delta R.T. 0.000 min
Lab File: V22200701A27.D
Acq: 01 Jul 2020 07:25 pm

Tgt Ion:107 Resp: 33430

Ion	Ratio	Lower	Upper
107	100		
109	93.0	75.1	112.7

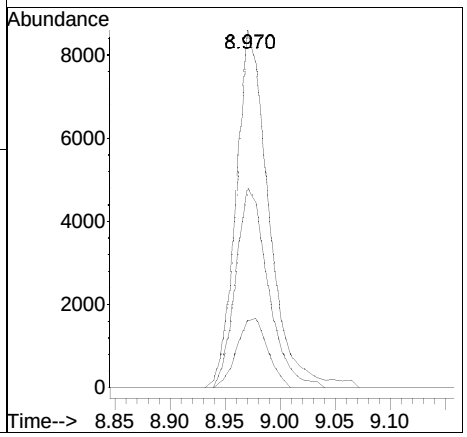


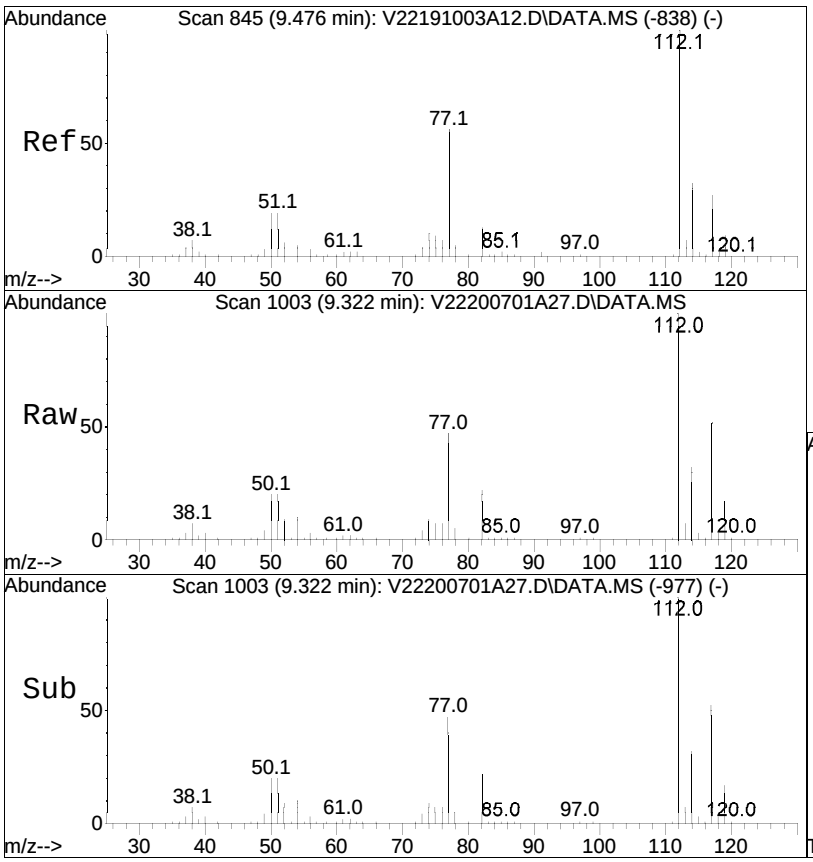


#76
2-Hexanone
Concen: 7.44 ug/L
RT: 8.970 min Scan# 958
Delta R.T. 0.000 min
Lab File: V22200701A27.D
Acq: 01 Jul 2020 07:25 pm

Tgt Ion: 43 Resp: 17790

Ion	Ratio	Lower	Upper
43	100		
58	55.4	47.6	71.4
57	18.3	16.6	24.8

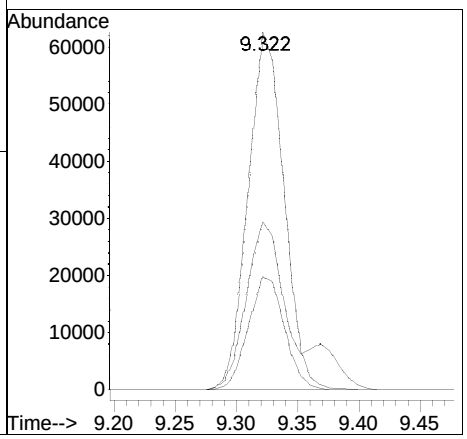


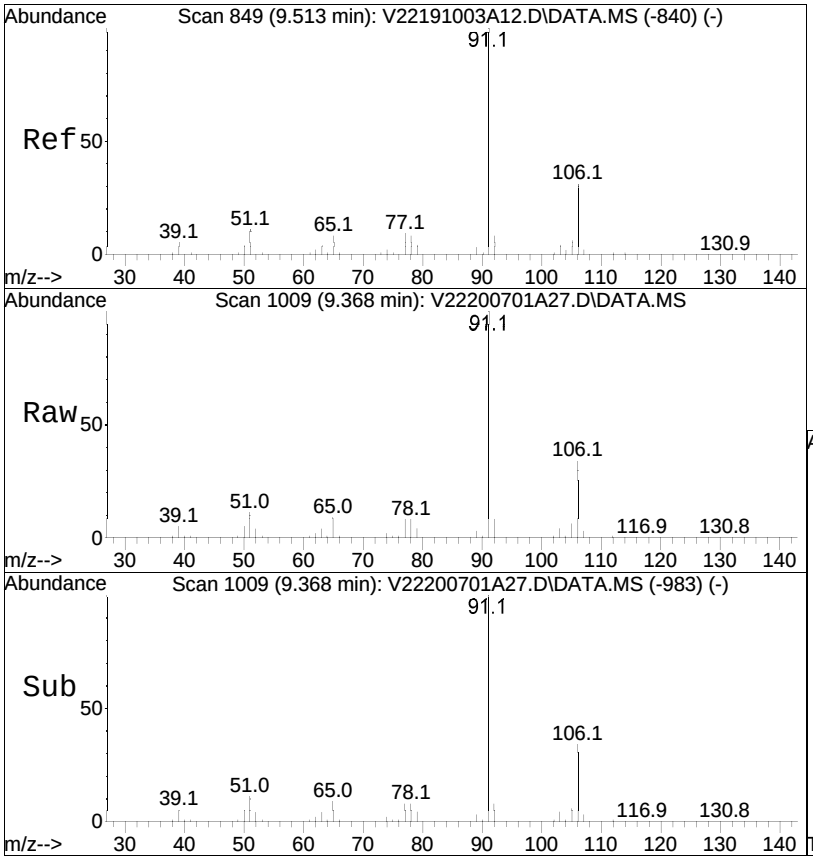


#77
Chlorobenzene
Concen: 9.60 ug/L
RT: 9.322 min Scan# 1003
Delta R.T. -0.000 min
Lab File: V22200701A27.D
Acq: 01 Jul 2020 07:25 pm

Tgt Ion:112 Resp: 126460

Ion	Ratio	Lower	Upper
112	100		
77	59.9	55.4	83.0
114	32.1	26.2	39.4

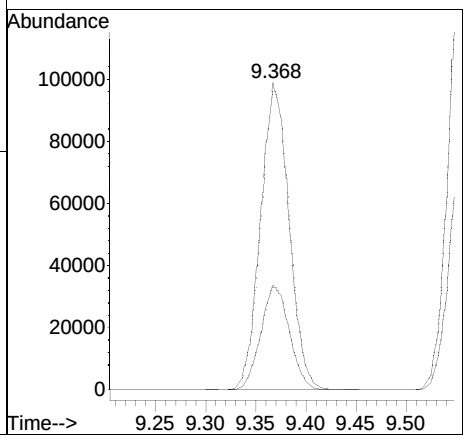


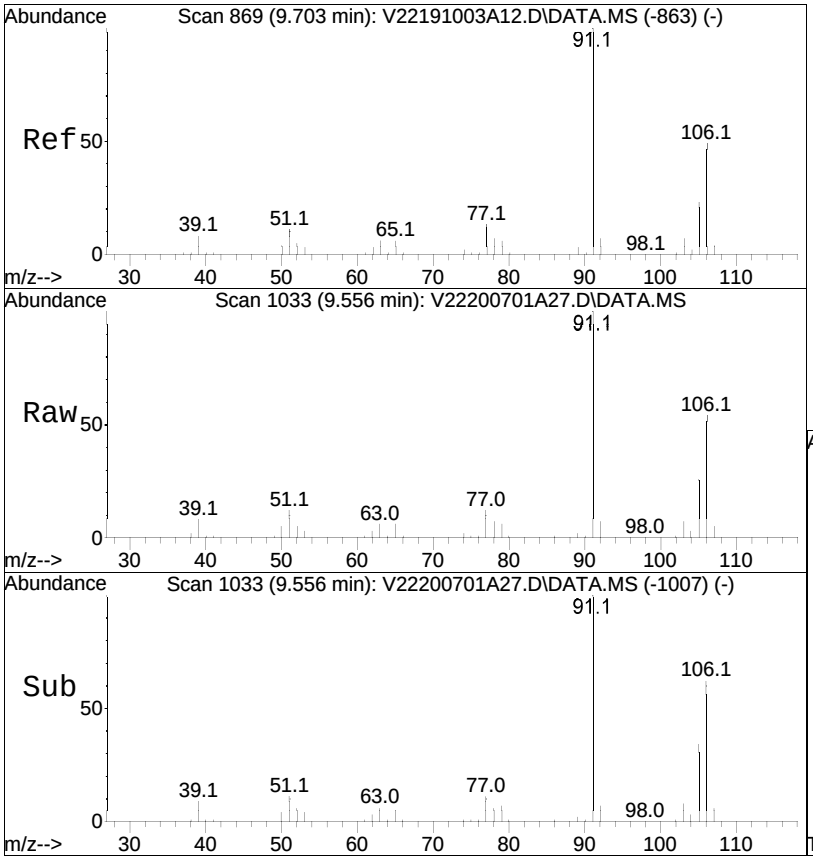


#78
Ethylbenzene
Concen: 9.27 ug/L
RT: 9.368 min Scan# 1009
Delta R.T. 0.000 min
Lab File: V22200701A27.D
Acq: 01 Jul 2020 07:25 pm

Tgt Ion: 91 Resp: 194988

Ion	Ratio	Lower	Upper
91	100		
106	34.2	25.8	38.6

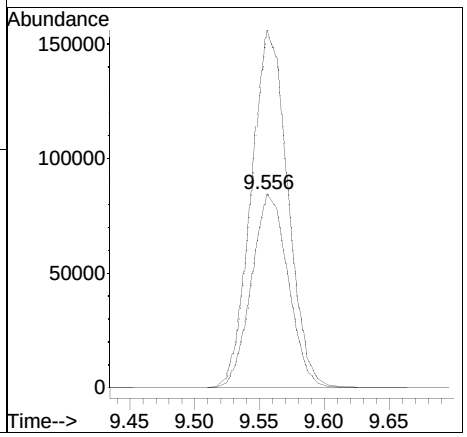


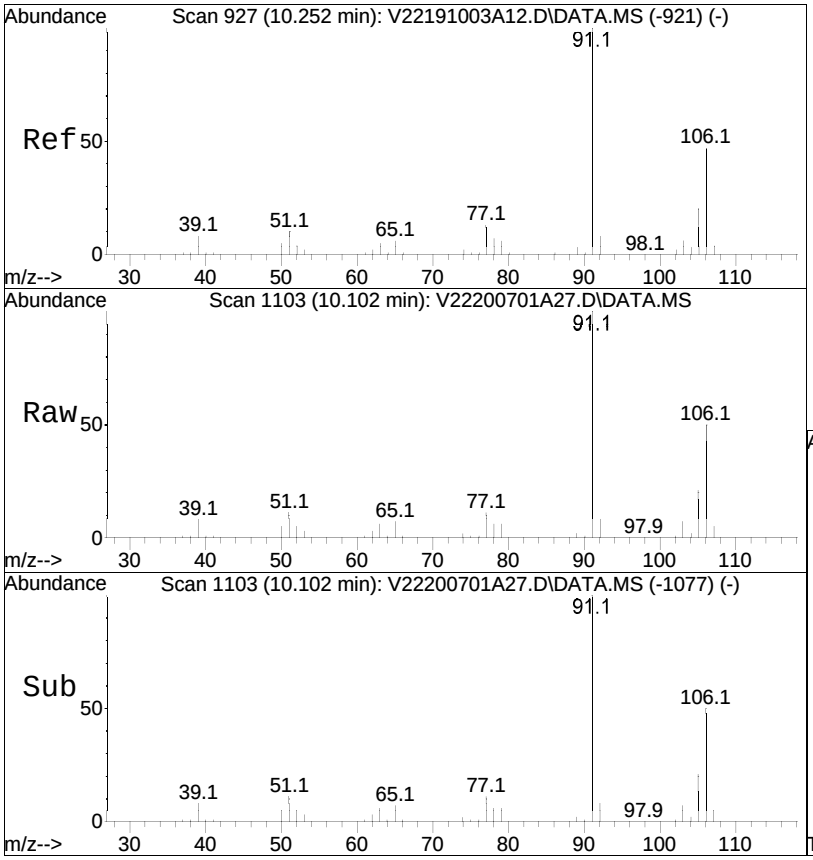


#80
p/m Xylene
Concen: 18.97 ug/L
RT: 9.556 min Scan# 1033
Delta R.T. -0.000 min
Lab File: V22200701A27.D
Acq: 01 Jul 2020 07:25 pm

Tgt Ion:106 Resp: 165524

Ion	Ratio	Lower	Upper
106	100		
91	183.3	156.0	234.0

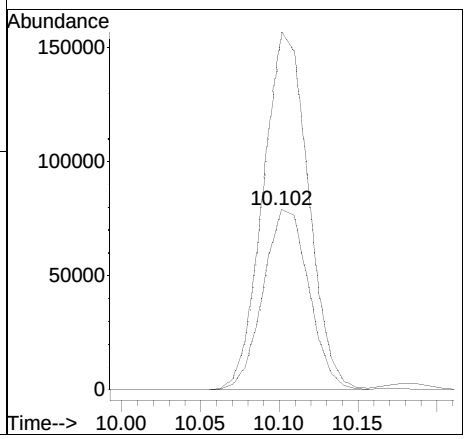


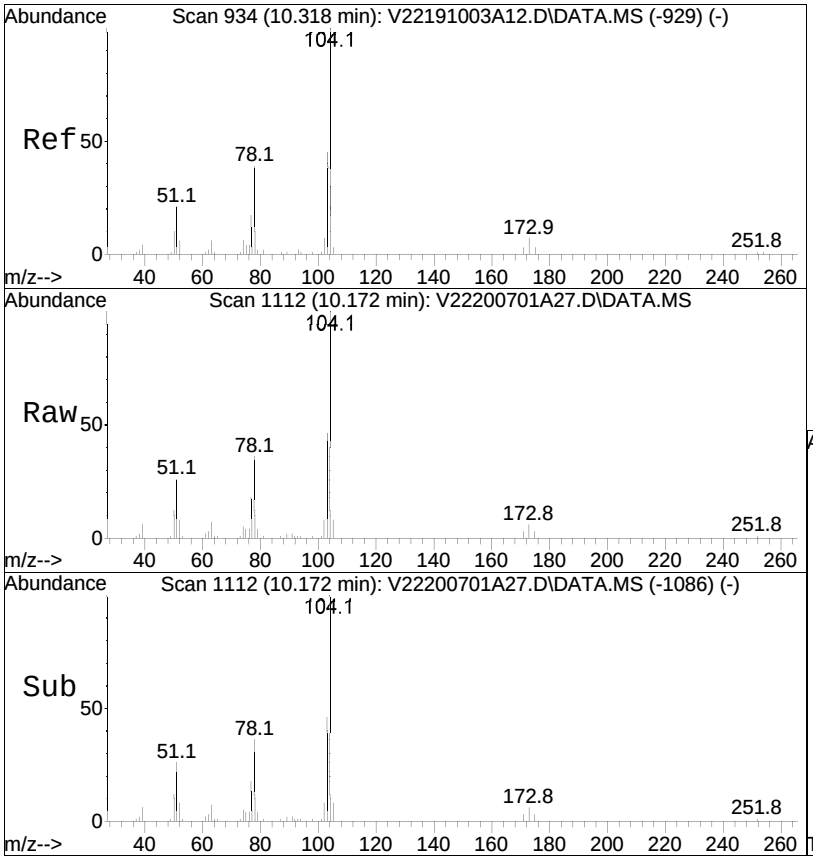


#81
o Xylene
Concen: 18.64 ug/L
RT: 10.102 min Scan# 1103
Delta R.T. -0.000 min
Lab File: V22200701A27.D
Acq: 01 Jul 2020 07:25 pm

Tgt Ion:106 Resp: 158582

Ion	Ratio	Lower	Upper
106	100		
91	196.2	164.0	246.0

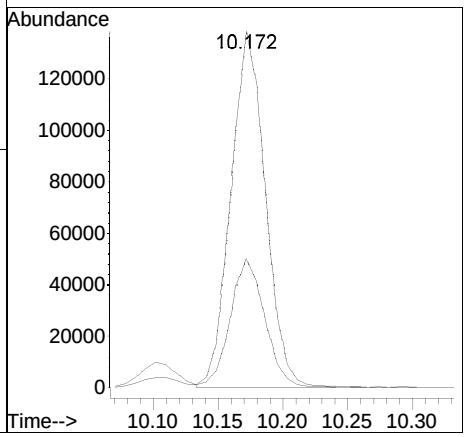


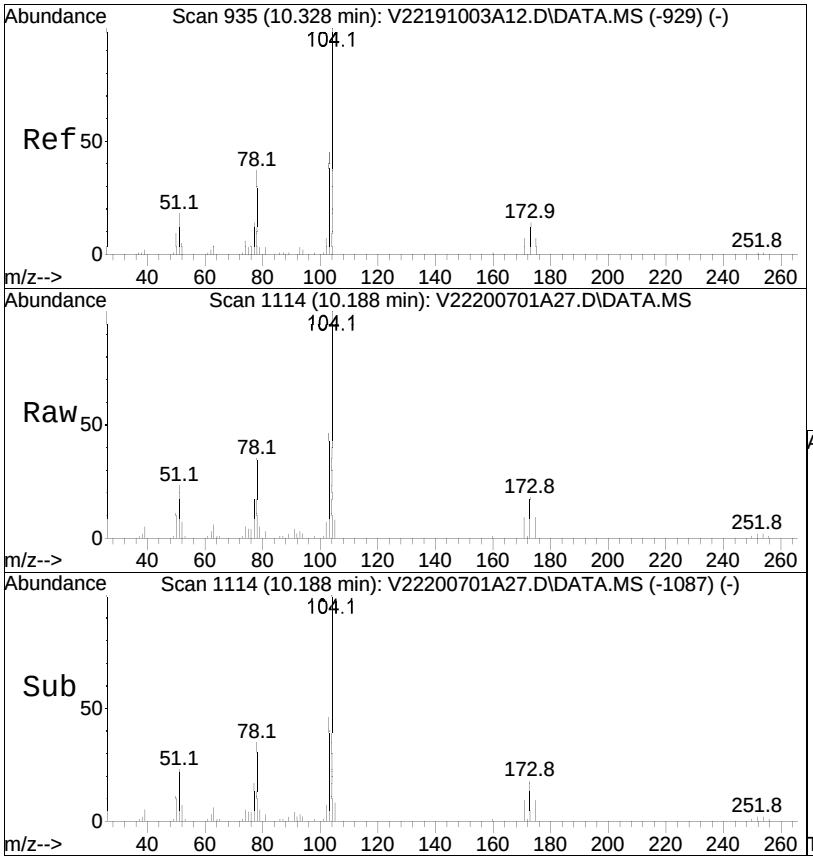


#82
Styrene
Concen: 18.65 ug/L
RT: 10.172 min Scan# 1112
Delta R.T. 0.000 min
Lab File: V22200701A27.D
Acq: 01 Jul 2020 07:25 pm

Tgt Ion:104 Resp: 254751

Ion	Ratio	Lower	Upper
104	100		
78	36.3	32.1	48.1

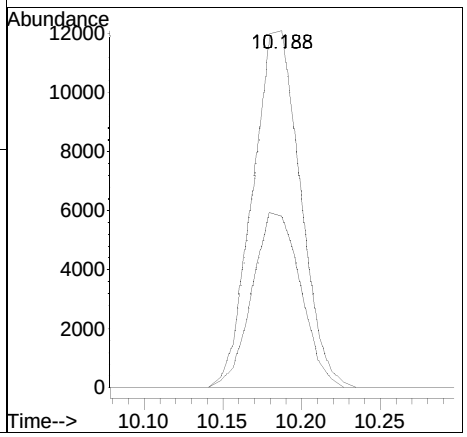


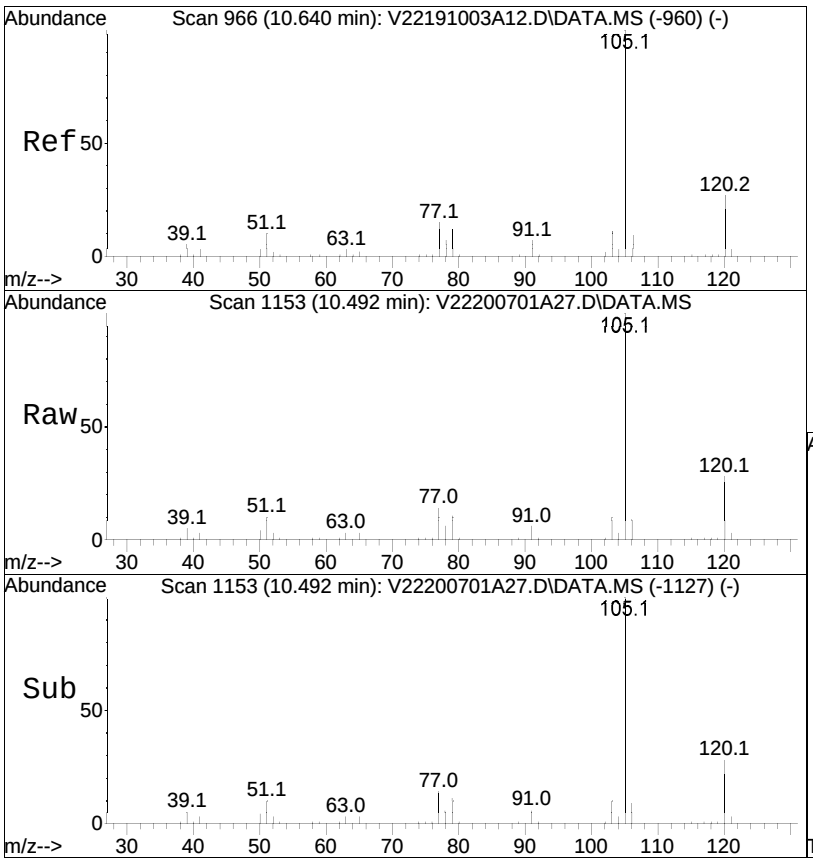


#84
Bromoform
Concen: 9.01 ug/L
RT: 10.188 min Scan# 1114
Delta R.T. 0.008 min
Lab File: V22200701A27.D
Acq: 01 Jul 2020 07:25 pm

Tgt Ion:173 Resp: 25437

Ion	Ratio	Lower	Upper
173	100		
175	49.8	29.3	69.3

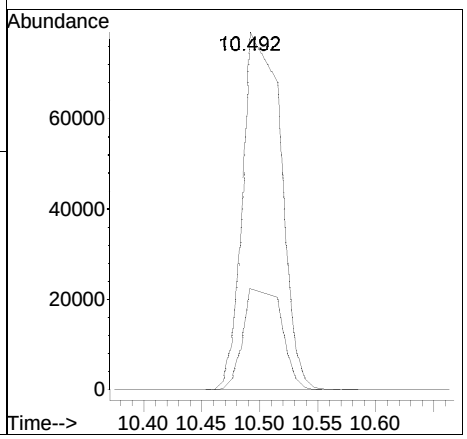


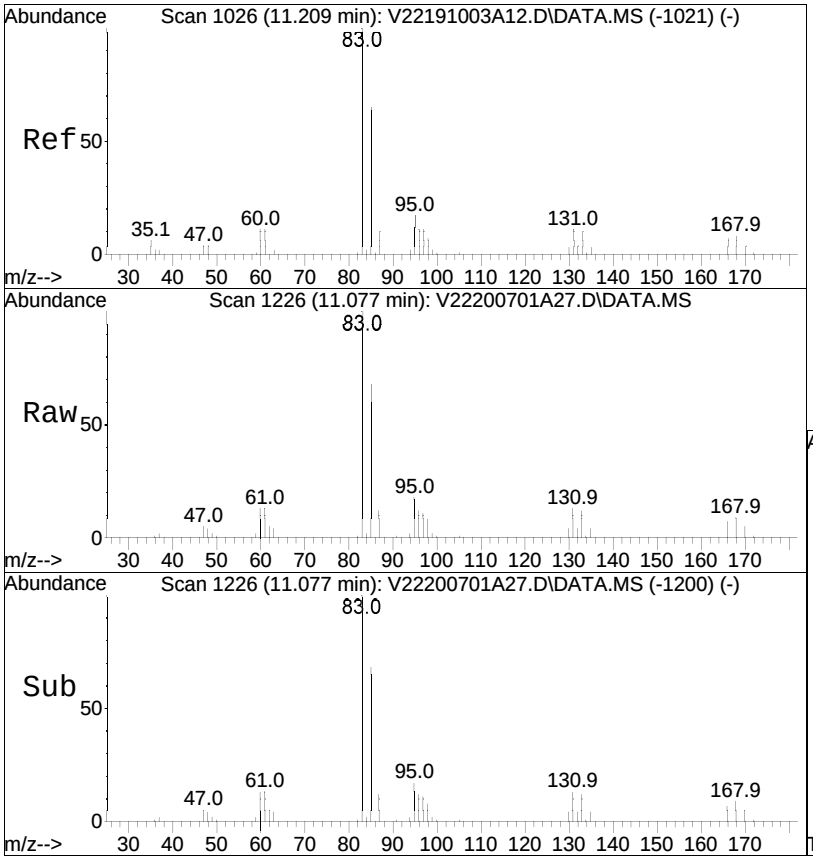


#86
Isopropylbenzene
Concen: 8.92 ug/L
RT: 10.492 min Scan# 1153
Delta R.T. -0.000 min
Lab File: V22200701A27.D
Acq: 01 Jul 2020 07:25 pm

Tgt Ion:105 Resp: 123400

Ion	Ratio	Lower	Upper
105	100		
120	29.9	7.7	47.7

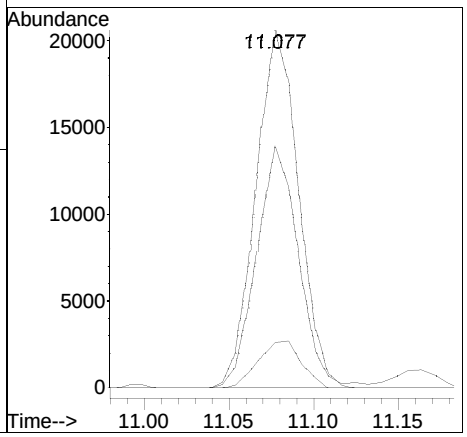


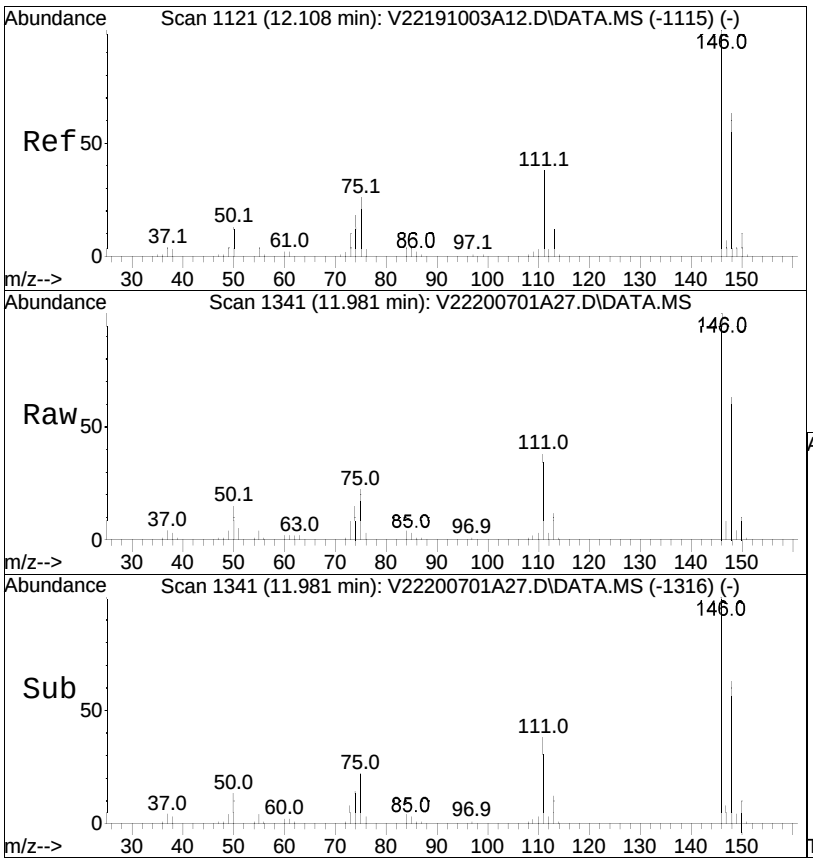


#91
1,1,2,2-Tetrachloroethane
Concen: 8.65 ug/L
RT: 11.077 min Scan# 1226
Delta R.T. 0.000 min
Lab File: V22200701A27.D
Acq: 01 Jul 2020 07:25 pm

Tgt Ion: 83 Resp: 35788

Ion	Ratio	Lower	Upper
83	100		
131	13.4	0.0	30.8
85	67.1	45.4	85.4

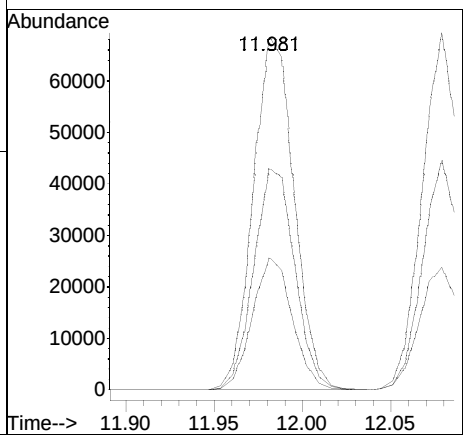


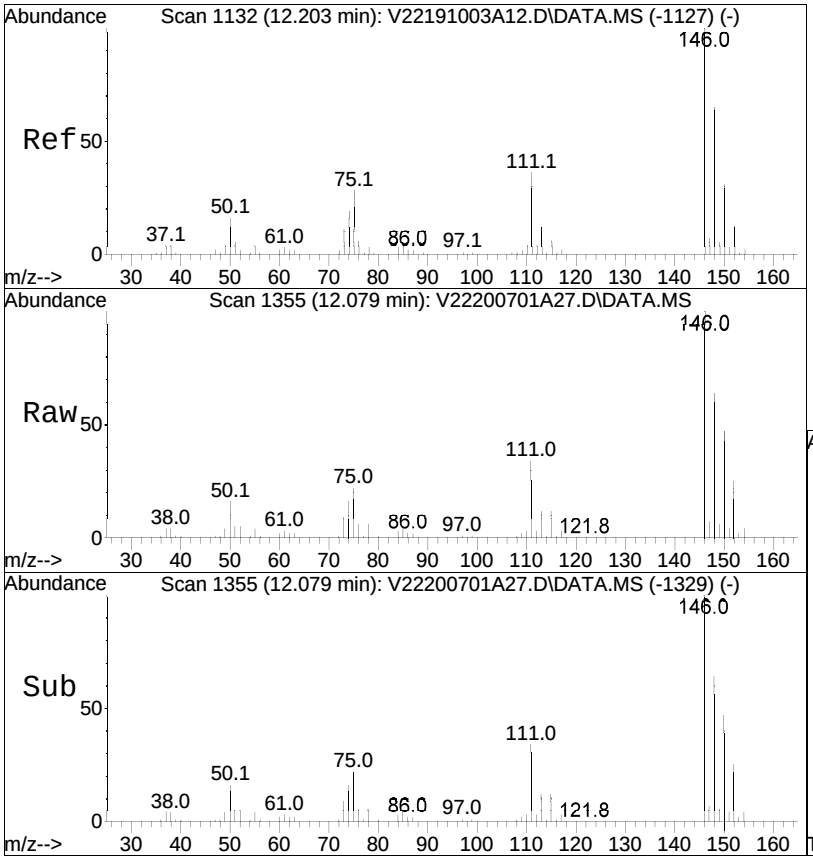


#104
1,3-Dichlorobenzene
Concen: 9.90 ug/L
RT: 11.981 min Scan# 1341
Delta R.T. -0.001 min
Lab File: V22200701A27.D
Acq: 01 Jul 2020 07:25 pm

Tgt Ion:146 Resp: 110597

Ion	Ratio	Lower	Upper
146	100		
111	36.5	24.0	49.8
148	62.6	41.8	86.8

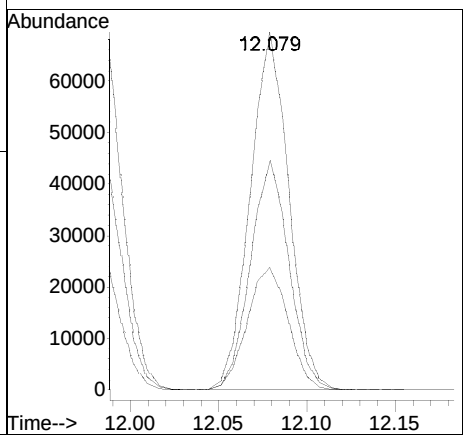


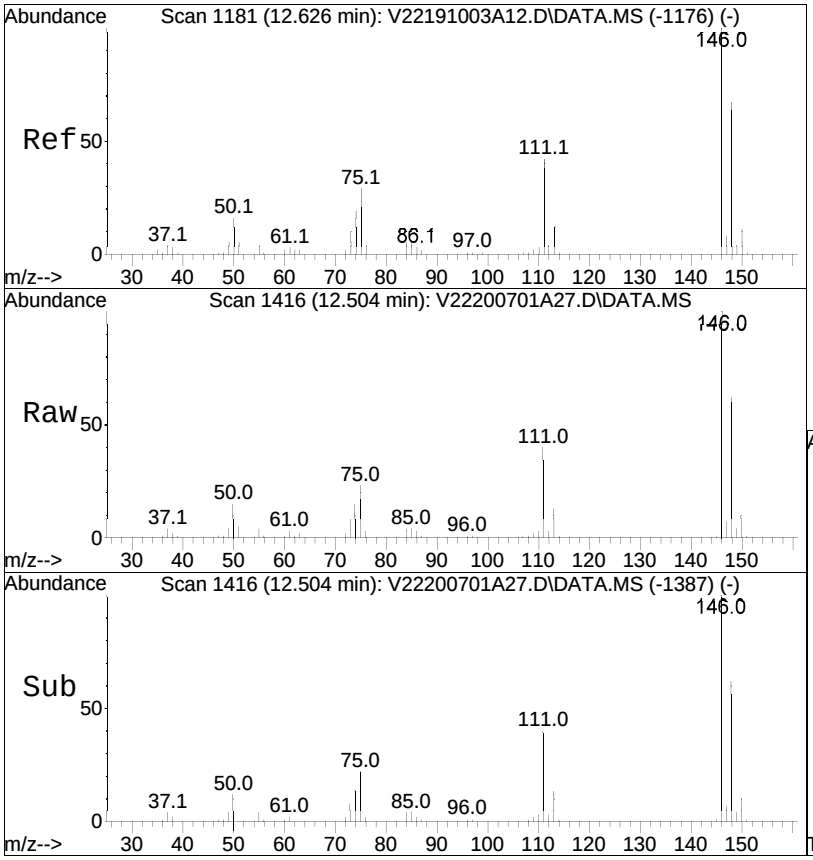


#105
1,4-Dichlorobenzene
Concen: 9.60 ug/L
RT: 12.079 min Scan# 1355
Delta R.T. -0.000 min
Lab File: V22200701A27.D
Acq: 01 Jul 2020 07:25 pm

Tgt Ion:146 Resp: 105971

Ion	Ratio	Lower	Upper
146	100		
111	36.4	28.9	43.3
148	64.1	51.4	77.2

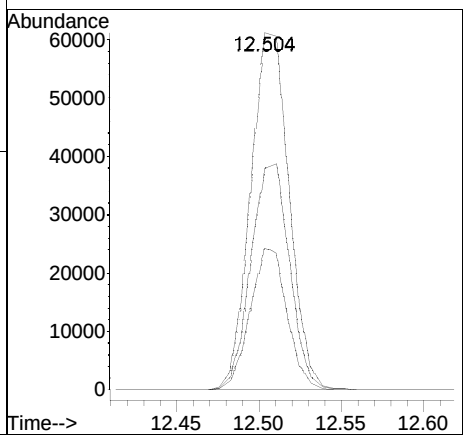


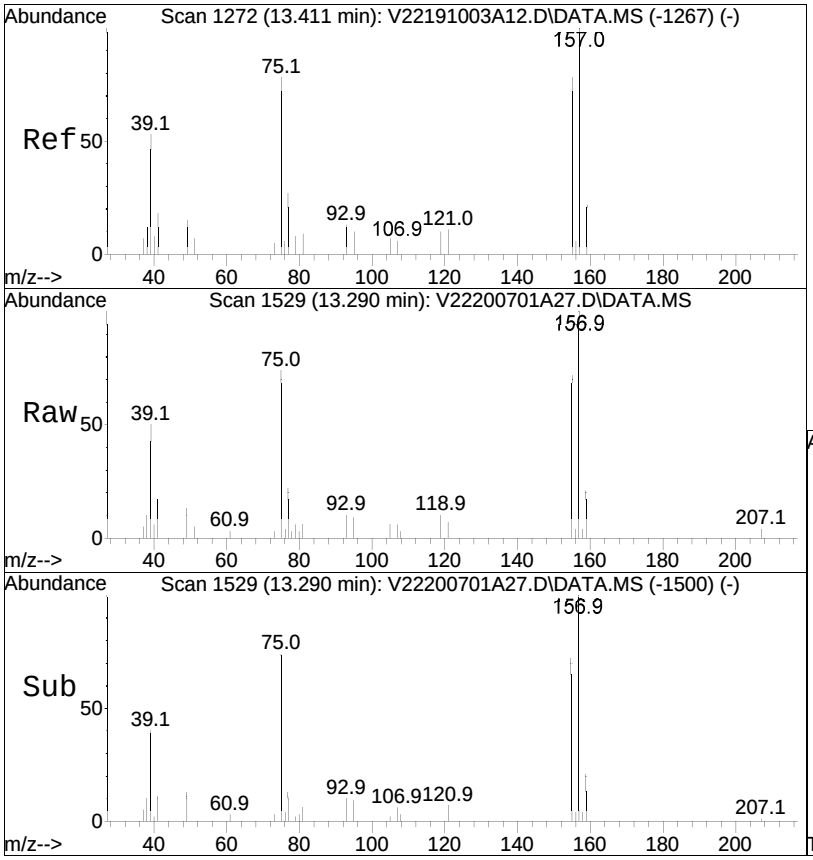


#108
1,2-Dichlorobenzene
Concen: 9.78 ug/L
RT: 12.504 min Scan# 1416
Delta R.T. -0.000 min
Lab File: V22200701A27.D
Acq: 01 Jul 2020 07:25 pm

Tgt Ion:146 Resp: 98620

Ion	Ratio	Lower	Upper
146	100		
111	38.0	24.8	51.6
148	63.6	42.2	87.6

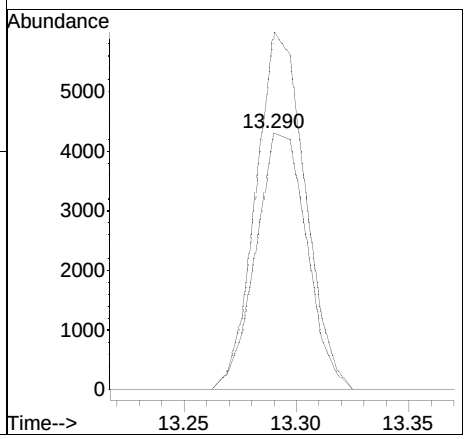


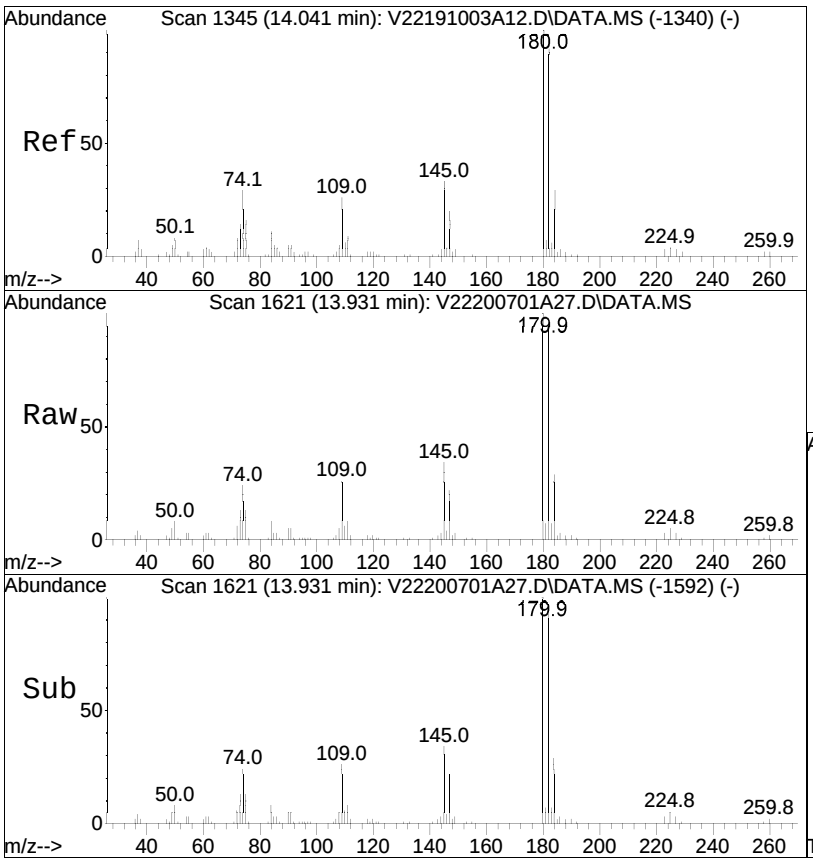


#110
1,2-Dibromo-3-chloropropane
Concen: 8.46 ug/L
RT: 13.290 min Scan# 1529
Delta R.T. 0.000 min
Lab File: V22200701A27.D
Acq: 01 Jul 2020 07:25 pm

Tgt Ion:155 Resp: 6744

Ion	Ratio	Lower	Upper
155	100		
157	134.6	102.3	153.5

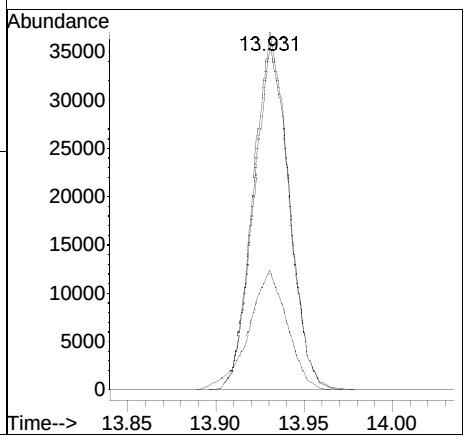


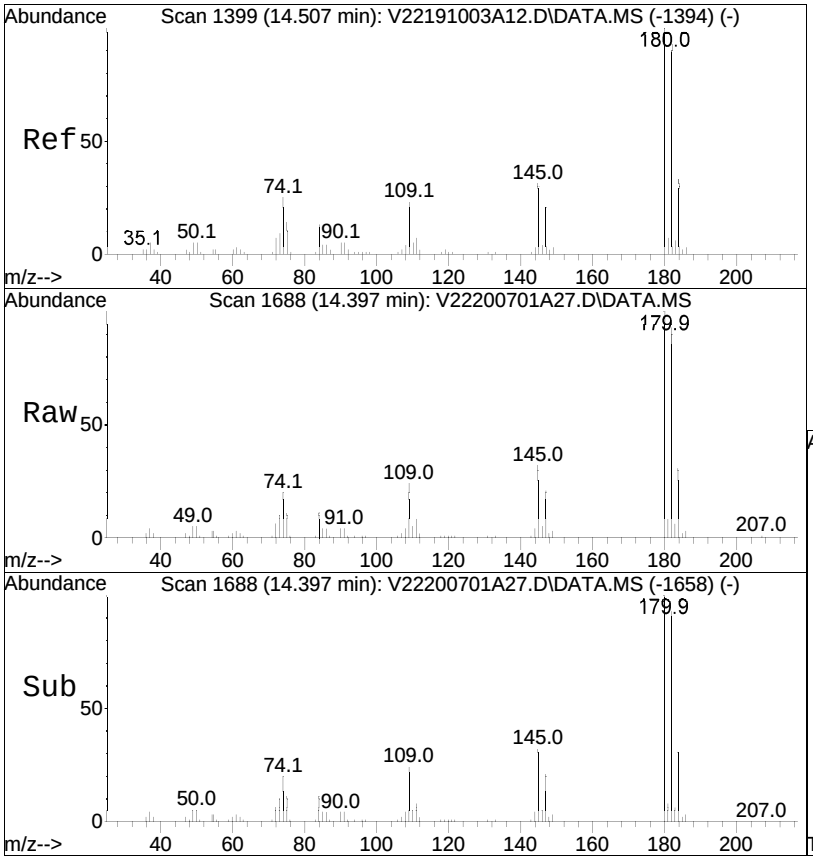


#113
1,2,4-Trichlorobenzene
Concen: 9.26 ug/L
RT: 13.931 min Scan# 1621
Delta R.T. -0.000 min
Lab File: V22200701A27.D
Acq: 01 Jul 2020 07:25 pm

Tgt Ion:180 Resp: 51644

Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.6	114.8
145	36.0	25.5	38.3

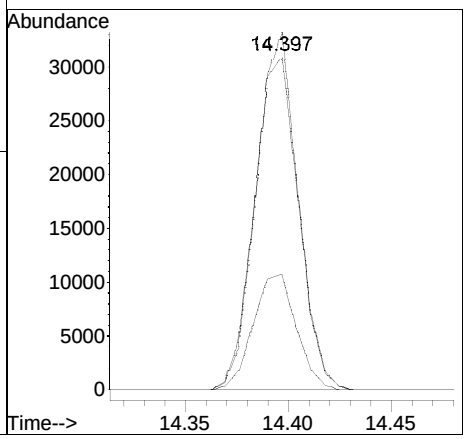




#115
1,2,3-Trichlorobenzene
Concen: 9.25 ug/L
RT: 14.397 min Scan# 1688
Delta R.T. 0.007 min
Lab File: V22200701A27.D
Acq: 01 Jul 2020 07:25 pm

Tgt Ion:180 Resp: 46934

Ion	Ratio	Lower	Upper
180	100		
182	95.9	76.0	114.0
145	33.2	23.8	35.8



Manual Integration Report

Data Path	: I:\VOLATILES\VOA122\2020\2	QMethod	: V122_200617N_8260.m
Data File	: V22200701A27.D	Operator	: VOA122:AJK
Date Inj'd	: 7/1/2020 7:25 pm	Instrument	: VOA122
Sample	: WG1388388-7,31,0.2,10,,a	Quant Date	: 7/1/2020 8:54 pm

There are no manual integrations or false positives in this file.

Calculation of Volatile Organic Compounds

Aqueous Concentration Formula: Amt * DF * Uf * (1/Vo)

Where:
DF = Dilution Factor
Vo = Sample Volume Purged (mL)
Uf = ng Unit Correction Factor (mL)

Soil Concentration Formula: Amt * DF * (1/Wt)

Where:
DF = Dilution Factor
Wt = Weight of Sample (g)

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Jul 02 2020, 12:54 pm

Work Group: WG1388388 for Department: 31 GC/MS - Volatiles

Created: 02-JUL-20 Due: Operator: NLK

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2027100-09	MW-9R	S	NYSTARS-8260	WATER	DONE	U	0709	0706	S0	Vial-B
L2027100-10	TRIP BLANK	S	NYSTARS-8260	WATER	DONE	U	0701	0706	S0	Vial-B
L2027694-03	BW-03 (6-29-2020)	S	NYTCL-8260-R2	WATER	DONE	U	0713	0702	1B	Vial-B
L2027694-04	BW-01	S	NYTCL-8260-R2	WATER	DONE	U	0714	0702	1B	Vial-B
L2027694-05	SB-MW-14	S	NYTCL-8260-R2	WATER	DONE	U	0714	0702	1B	Vial-B
L2027694-06	R1MW-04	S	NYTCL-8260-R2	WATER	DONE	U	0714	0702	1B	Vial-B
L2027694-07	R1MW-02	S	NYTCL-8260-R2	WATER	DONE	U	0714	0702	1B	Vial-B
L2027694-11	R1MW-19D	S	NYTCL-8260-R2	WATER	DONE	U	0714	0702	1B	Vial-B
L2027694-13	TRIP BLANK	S	NYTCL-8260-R2	WATER	DONE	U	0714	0702	1B	Vial-B
WG1388388-1	MS BFB Tune Standard	S	NYSTARS-8260	WATER	DONE	U				
WG1388388-1	MS BFB Tune Standard	S	NYTCL-8260-R2	WATER	DONE	U				
WG1388388-2	Continuing Calibrati	S	NYSTARS-8260	WATER	DONE	U				
WG1388388-2	Continuing Calibrati	S	NYTCL-8260-R2	WATER	DONE	U				
WG1388388-3	Laboratory Control S	S	NYTCL-8260-R2	WATER	DACQ	U				
WG1388388-3	Laboratory Control S	S	NYSTARS-8260	WATER	DONE	U				
WG1388388-4	LCS Duplicate	S	NYSTARS-8260	WATER	DONE	U				
WG1388388-4	LCS Duplicate	S	NYTCL-8260-R2	WATER	DACQ	U				
WG1388388-5	Laboratory Method Bl	S	NYTCL-8260-R2	WATER	DACQ	U				
WG1388388-5	Laboratory Method Bl	S	NYSTARS-8260	WATER	DONE	U				
WG1388388-6	Matrix Spike	S	NYSTARS-8260	WATER	DONE	U				
WG1388388-6	Matrix Spike	S	NYTCL-8260-R2	WATER	DACQ	U				
WG1388388-7	Matrix Spike Duplica	S	NYSTARS-8260	WATER	DONE	U				
WG1388388-7	Matrix Spike Duplica	S	NYTCL-8260-R2	WATER	DACQ	U				

Comments:

WG1388388-4	WG1388388-3
WG1388388-6	L2027694-04
WG1388388-7	L2027694-04

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Jul 02 2020, 12:54 pm

Work Group: WG1388497 for Department: 31 GC/MS - Volatiles

Created: 02-JUL-20 Due: Operator: NLK

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2027694-08	SB-MW-16	S	NYTCL-8260-R2	WATER	DONE	U	0714	0702	1B	Vial-B
L2027694-10	R1MW-19S	S	NYTCL-8260-R2	WATER	DONE	U	0714	0702	1B	Vial-B
L2027694-12	QA/QC	S	NYTCL-8260-R2	WATER	DONE	U	0714	0702	1B	Vial-B
L2027709-42	TB01_063020	S	NYTCL-8260	WATER	SEC	U	0714	0702	1B	Vial-B
WG1388497-1	MS BFB Tune Standard	S	NYTCL-8260-R2	WATER	DONE	U				
WG1388497-1	MS BFB Tune Standard	S	NYTCL-8260	WATER	DONE	U				
WG1388497-2	Continuing Calibrati	S	NYTCL-8260	WATER	DONE	U				
WG1388497-2	Continuing Calibrati	S	NYTCL-8260-R2	WATER	DONE	U				
WG1388497-3	Laboratory Control S	S	NYTCL-8260-R2	WATER	DACQ	U				
WG1388497-3	Laboratory Control S	S	NYTCL-8260	WATER	DONE	U				
WG1388497-4	LCS Duplicate	S	NYTCL-8260-R2	WATER	DACQ	U				
WG1388497-4	LCS Duplicate	S	NYTCL-8260	WATER	DONE	U				
WG1388497-5	Laboratory Method Bl	S	NYTCL-8260	WATER	DONE	U				
WG1388497-5	Laboratory Method Bl	S	NYTCL-8260-R2	WATER	DACQ	U				

Comments:

WG1388497-4 WG1388497-3

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Jul 02 2020, 12:54 pm

Work Group: WG1388512 for Department: 31 GC/MS - Volatiles

Created: 02-JUL-20 Due: Operator: PD

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2027694-01	SB-MW-07 (6-29-2020)	S	NYTCL-8260-R2	WATER	DONE	U	0713	0702	1B	Vial-B
L2027694-02	SB-MW-15 (6-29-2020)	S	NYTCL-8260-R2	WATER	DONE	U	0713	0702	1B	Vial-B
L2027694-09	RMW-16	S	NYTCL-8260-R2	WATER	DONE	U	0714	0702	1B	Vial-B
WG1388512-1	MS BFB Tune Standard	S	NYTCL-8260-R2	WATER	DONE	U				
WG1388512-2	Continuing Calibrati	S	NYTCL-8260-R2	WATER	DONE	U				
WG1388512-3	Laboratory Control S	S	NYTCL-8260-R2	WATER	DONE	U				
WG1388512-4	LCS Duplicate	S	NYTCL-8260-R2	WATER	DONE	U				
WG1388512-5	Laboratory Method Bl	S	NYTCL-8260-R2	WATER	DONE	U				

Comments:

WG1388512-4 WG1388512-3

				Method	
Inst:	Elaine	BFB:	V7842	GC:	8260_LUMIN
Initials:	AD	IS/SS:	V7891	Autosampler:	8260water10mL
Date:	**06/02/20**	ICAL:	V7881F,V7900, V7904	Concentrator:	8260
Run:	**N**	ICV:	V7855,V7897,V7822,V7903,V7784,V7872,V7862	QC:	Seq:

Vial	DATA FILE	SAMPLE	pH<2
1	VE200602bfb2	BFB TUNE	
1	VE200602N01	BLK	
1	VE200602N02	BLK	
1	VE200602N03	BLK	
1	VE200602N04	BLK	
1	VE200602N05	I8260STDL0.19PPB	
1	VE200602N06	I8260STDL0.5PPB	
1	VE200602N07	I8260STDL0.5PPB	
1	VE200602N08	I8260STDL2.0PPB	
1	VE200602N09	I8260STDL2.0PPB	
1	VE200602N10	I8260STDL10.0PPB	
1	VE200602N11	I8260STDL30.0PPB	
1	VE200602N12	I8260STDL80.0PPB	
1	VE200602N13	I8260STDL120.0PPB	
1	VE200602N14	I8260STDL200.0PPB	
1	VE200602N15	BLK	
1	VE200602N16	BLK	
1	VE200602N17	BLK	
1	VE200602N18	BLK	
1	VE200602N19	BLK	
1	VE200602N20	C8260STDL10PPB	
1	VE200602N21	C8260STDL10PPB	
1	VE200602N22	BLK	

Inst: VOA122 BFB: V7842
Initials: TMS IS/SS: V7908
Date: **06/17/20** ICAL: V7913C, V7924
Run: **N** ICV: V7855 V7897, V7912, V7903, V7884, V7872

Method
GC: 8260_WATER
Autosampler: 8260WATER
Concentrator: 8260

QC:___Seq:_____

Vial	Data File	Sample	pH<2
1	V22200617NBF2	BFB TUNE	
1	V22200617N01	BLK	
2	V22200617N02	BLK	
3	V22200617N03	I8260STDL0.19PPB	
4	V22200617N04	I8260STDL0.19PPB	
5	V22200617N05	I8260STDL0.5PPB	
6	V22200617N06	I8260STDL0.5PPB	
7	V22200617N07	I8260STDL2.0PPB	
8	V22200617N08	I8260STDL2.0PPB	
9	V22200617N09	I8260STDL10.0PPB	
10	V22200617N10	I8260STDL30.0PPB	
11	V22200617N11	I8260STDL80.0PPB	
12	V22200617N12	I8260STDL120.0PPB	
13	V22200617N13	I8260STDL200.0PPB	
14	V22200617N14	BLK	
15	V22200617N15	BLK	
16	V22200617N16	BLK	
17	V22200617N17	BLK	
18	V22200617N18	BLK	
19	V22200617N19	C8260STDL10PPB	
20	V22200617N20	C8260STDL10PPB	
21	V22200617N21	BLK	
22	V22200617N22	BLK	

Method

Inst: VOA108 BFB: V7926 GC: 8260_ATOMX

Initials: TMS IS/SS: V7891 Autosampler: 8260

Date: **06/23/20** ICAL: V7913D,V7924,V7904 Concentrator: 8260

Run: **N** ICV: V7862,V7855,V7897,V7912,V7903,V7884,V7872 QC:_____ Seq:_____

Vial	DATA FILE	SAMPLE	pH<2
1	V08200623NBF1	BFB TUNE	
1	V08200623N01	BLK	
2	V08200623N02	BLK	
3	V08200623N03	I8260STDL0.19PPB	
4	V08200623N04	I8260STDL0.19PPB	
5	V08200623N05	I8260STDL0.5PPB	
6	V08200623N06	I8260STDL0.5PPB	
7	V08200623N07	I8260STDL2.0PPB	
8	V08200623N08	I8260STDL2.0PPB	
9	V08200623N09	I8260STDL10.0PPB	
10	V08200623N10	I8260STDL30.0PPB	
11	V08200623N11	I8260STDL80.00PPB	
12	V08200623N12	I8260STDL120.0PPB	
13	V08200623N13	I8260STDL200.0PPB	
14	V08200623N14	BLK	
15	V08200623N15	BLK	
16	V08200623N16	BLK	
17	V08200623N17	BLK	
18	V08200623N18	BLK	
19	V08200623N19	C8260STDL10.0PPB	
20	V08200623N20	C8260STDL10.0PPB	
21	V08200623N21	BLK	
22	V08200623N22	BLK	

Method

Inst: VOA108 BFB: V7926 GC: 8260_ATOMX

Initials: TMS IS/SS: V7891 Autosampler: 8260

Date: **06/23/20** ICAL: V7913D,V7924,V7904 Concentrator: 8260

Run: **N** ICV: V7862,V7855,V7897,V7912,V7903,V7884,V7872 QC:_____ Seq:_____

Vial	DATA FILE	SAMPLE	pH<2

Method

Inst: Elaine BFB: V7926 GC: 8260_LUMIN

Initials: TMS IS/SS: V7930 Autosampler: 8260water10mL

Date: **07/01/20** ICAL: V7913D,V7932 Concentrator: 8260

Run: **N** ICV: V7855,V7897,V7822,V7903,V7784,V7872,V7862 QC: _____ Seq: _____

Vial	DATA FILE	SAMPLE			pH<2
1	VE200701NBF3	BFB TUNE 16:56			
1	VE200701N01	8260 CCAL LCS			
2	VE200701N02	8260 CCAL LCSD			
3	VE200701N03	8260 CCAL			
4	VE200701N04	BLK			
5	VE200701N05	METHOD BLK			
6	VE200701N06	I2027420-02,31,10,10,,a	NYCurve	TB	pH<2
7	VE200701N07	I2027315-01,31,10,10,,a	ME8260CURVE		pH<2
8	VE200701N08	I2027315-02,31,10,10,,a	ME8260CURVE		pH<2
9	VE200701N09	I2027315-03,31,10,10,,a	ME8260CURVE		pH<2
10	VE200701N10	I2027315-04,31,10,10,,a	ME8260CURVE		pH<2
11	VE200701N11	I2027315-05,31,10,10,,a	ME8260CURVE		pH<2
12	VE200701N12	I2027315-06,31,10,10,,a	ME8260CURVE		pH<2
13	VE200701N13	I2027315-07,31,10,10,,a	ME8260CURVE		pH<2
14	VE200701N14	I2027315-08,31,10,10,,a	ME8260CURVE		pH<2
15	VE200701N15	I2027315-09,31,10,10,,a	ME8260CURVE		pH<2
16	VE200701N16	I2027315-10,31,10,10,,a	ME8260CURVE		pH<2
17	VE200701N17	I2027315-11,31,10,10,,a	ME8260CURVE		pH<2
18	VE200701N18	I2027315-12,31,10,10,,a	ME8260CURVE		pH<2
19	VE200701N19	I2027315-13,31,10,10,,a	ME8260CURVE		pH<2
20	VE200701N20	I2027709-42,31,10,10,,a	NYCurve	TB	pH<2
21	VE200701N21	I2027334-01,31,10,10,,a	NYTCL		pH<2
22	VE200701N22	I2027694-10,31,10,10,,a	NYCurve		pH<2
23	VE200701N23	I2027694-08D,31,4,10,,a	NYCurve		pH>2
24	VE200701N24	I2027694-12D,31,0.2,10,,a	NYCurve		pH<2
25	VE200701N25	I2027420-01D,31,1,10,,a	NYCurve		pH>2
26	VE200701N26	I2027334-01MS,31,10,10,,a1	NYTCL		pH<2
27	VE200701N27	I2027334-01MSD,31,10,10,,b1	NYTCL		pH<2

Inst: VOA108 BFB: V7926 Method GC: 8260_ATOMX

Initials: PD IS/SS: V7934 Autosampler: 8260

Date: **07/02/20** ICAL: V7913E,V7932 Concentrator: 8260

Run: **A** ICV: V7862,V7855,V7897,V7912,V7903,V7884,V7872 QC:_____ Seq:_____

Vial	DATA FILE	SAMPLE			pH<2
1	V08200702ABF1	BFB TUNE 06:43			
1	V08200702A01	8260 CCAL LCS			
2	V08200702A02	8260 CCAL LCSD			
3	V08200702A03	8260 CCAL			
4	V08200702A04	BLK			
5	V08200702A05	METHOD BLK			
6	V08200702A06	I2027694-01D,31,0.2,10,,c	NYCURVE/10		pH<2
7	V08200702A07	I2027694-02D,31,0.25,10,,c	NYCURVE/10		pH<2
8	V08200702A08	I2027694-09D,31,0.4,10,,c	NYCURVE/10		pH<2
9	V08200702A09	I2027560-01,31,10,10,,a	NYCURVE		pH<2
10	V08200702A10	I2027560-02D,31,0.5,10,,a	NYCURVE		pH<2
11	V08200702A11	I2027560-03,31,10,10,,a	NYCURVE		pH<2
12	V08200702A12	I2027560-04,31,10,10,,a	NYCURVE		pH<2
13	V08200702A13	I2027560-05,31,10,10,,a	NYCURVE		pH<2
14	V08200702A14	I2027560-06,31,10,10,,a	NYCURVE		pH<2
15	V08200702A15	I2027560-07,31,10,10,,a	NYCURVE		pH<2
16	V08200702A16	I2027560-08,31,10,10,,a	NYCURVE		pH<2
17	V08200702A17	I2027560-09,31,10,10,,a	NYCURVE		
18	V08200702A18	I2027560-10,31,10,10,,a	NYCURVE	TB	
19	V08200702A19	I2027334-02,31,10,10,,a	NYTCL		
20	V08200702A20	I2027334-03,31,10,10,,a	NYTCL		
21	V08200702A21	I2027334-04,31,10,10,,a	NYTCL		
22	V08200702A22	I2027334-05,31,10,10,,a	NYTCL	TB	
23	V08200702A23	I2027334-06,31,10,10,,a	NYTCL	FB	
24	V08200702A24	I2027345-06,31,10,10,,a	NYTCL	TB	
25	V08200702A25	I2027359-06,31,10,10,,a	NYSTARS	TB	
26	V08200702A26	I2027560-05MS,31,10,10,,a1	NYCURVE		
27	V08200702A27	I2027560-05MSD,31,10,10,,a2	NYCURVE		

Method

Inst: VOA108 BFB: V7926 GC: 8260_ATOMX

Initials: PD IS/SS: V7934 Autosampler: 8260

Date: **07/02/20** ICAL: V7913E,V7932 Concentrator: 8260

Run: **A** ICV: V7862,V7855,V7897,V7912,V7903,V7884,V7872 QC: _____ Seq: _____

Vial	DATA FILE	SAMPLE	pH<2

Inst: VOA122 BFB: V7926 Method GC: 8260_WATER
Initials: PD IS/SS: V7934 Autosampler: 8260WATER
Date: **07/01/20** ICAL: V7913D, V7932 Concentrator: 8260
Run: **A** ICV: V7855 V7897, V7912, V7903, V7884, V7872 QC:___ Seq:_____

Vial	Data File	Sample			pH<2
1	V22200701ABF1	BFB TUNE 08:31			
1	V22200701A01	8260 CCAL LCS			
2	V22200701A02	8260 CCAL LCSD			
3	V22200701A03	8260 CCAL			
4	V22200701A04	BLK			
5	V22200701A05	METHOD BLK			
6	V22200701A06	I2026449-01,31,10,10,,a	ME8260CURVE		pH<2
7	V22200701A07	I2026449-02,31,10,10,,a	ME8260CURVE		pH<2
8	V22200701A08	I2026449-03,31,10,10,,a	ME8260CURVE		pH<2
9	V22200701A09	I2026449-04,31,10,10,,a	ME8260CURVE		pH<2
10	V22200701A10	I2026449-05,31,10,10,,a	ME8260CURVE		pH<2
11	V22200701A11	I2026449-06,31,10,10,,a	ME8260CURVE		pH<2
12	V22200701A12	I2026449-07,31,10,10,,a	ME8260CURVE		pH<2
13	V22200701A13	I2026449-08,31,10,10,,a	ME8260CURVE	TB	pH<2
14	V22200701A14	I2027100-10,31,10,10,,a	NYSTARS	TB	pH<2
15	V22200701A15	I2027100-09,31,10,10,,a	NYSTARS		pH<2
16	V22200701A16	I2027694-13,31,10,10,,a	NYCURVE/10	TB	pH<2
17	V22200701A17	I2027694-11D,31,1,10,,a	NYCURVE/10	DARK PURPLE	pH>2
18	V22200701A18	I2027694-01D,31,0.05,10,,a	NYCURVE/10		pH<2
19	V22200701A19	I2027694-02D,31,0.1,10,,a	NYCURVE/10		pH<2
20	V22200701A20	I2027694-03D,31,0.4,10,,a	NYCURVE/10		pH<2
21	V22200701A21	I2027694-04D,31,0.2,10,,a	NYCURVE/10		pH<2
22	V22200701A22	I2027694-05D,31,0.01,10,,a	NYCURVE/10		pH>2
23	V22200701A23	I2027694-09D,31,0.1,10,,a	NYCURVE/10		pH<2
24	V22200701A24	I2027694-06D,31,4,10,,a	NYCURVE/10		pH<2
25	V22200701A25	I2027694-07D,31,5,10,,a	NYCURVE/10	SHEEN	pH<2
26	V22200701A26	I2027694-04MS,31,0.2,10,,a	NYCURVE/10		pH<2
27	V22200701A27	I2027694-04MSD,31,0.2,10,,a	NYCURVE/10		pH<2

APPENDIX N

Imported Material Request Approvals

Pelychaty,Mike

From: Theobald, Charlotte B (DEC) <charlotte.theobald@dec.ny.gov>
Sent: Friday, August 14, 2020 11:50 AM
To: Brett, Alexander
Cc: Pelychaty,Mike
Subject: Re: C828209 Former Wollensack Optical - Request to Import

Alex:

Based on the information provided to the Department, the regular pea gravel is approved for import to the Site.

Best Regards,
Charlotte

From: "Brett, Alexander" <ABrett@LaBellaPC.com>
Date: Thursday, August 13, 2020 at 5:41 PM
To: "Theobald, Charlotte B (DEC)" <charlotte.theobald@dec.ny.gov>
Cc: "Pelychaty,Mike" <mpelychaty@LaBellaPC.com>
Subject: C828209 Former Wollensack Optical - Request to Import

ATTENTION: This email came from an external source. Do not open attachments or click on links from unknown senders or unexpected emails.

,

Please find the attached request to import form for regular pea gravel (1/2-inch) from Valley Sand and Gravel (Scottsville Plant).

If you have any question please do not hesitate to contact me.

Best,

Alex Brett
LaBella Associates | Environmental Engineer

585-770-2552 **direct**
585-454-6110 **office**
300 State Street, Suite 201
Rochester, NY 14614
labellapc.com

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Request to Import/Reuse Fill or Soil

This form is based on the information required by DER-10, Section 5.4(e). Use of this form is not a substitute for reading the applicable Technical Guidance document.

SECTION 1 – SITE BACKGROUND

The allowable site use is: Restricted Residential Use

Have Ecological Resources been identified? no

Is this soil originating from the site? no

How many cubic yards of soil will be imported/reused? 0-50

If greater than 1000 cubic yards will be imported, enter volume to be imported:

SECTION 2 – MATERIAL OTHER THAN SOIL

Is the material to be imported gravel, rock or stone? yes

Does it contain less than 10%, by weight, material that would pass a size 80 sieve? yes

Is this virgin material from a permitted mine or quarry? yes

Is this material recycled concrete or brick from a DEC registered processing facility? no

SECTION 3 - SAMPLING

Provide a brief description of the number and type of samples collected in the space below:

No chemical testing is required as material is exempt from testing per DER-10 Section 5.4

Example Text: 5 discrete samples were collected and analyzed for VOCs. 2 composite samples were collected and analyzed for SVOCs, Inorganics & PCBs/Pesticides.

If the material meets requirements of DER-10 section 5.5 (other material), no chemical testing needed.

SECTION 3 CONT'D - SAMPLING

Provide a brief written summary of the sampling results or attach evaluation tables (compare to DER-10, Appendix 5):

No chemical testing is required as material is exempt from testing per DER-10 Section 5.4

Example Text: Arsenic was detected up to 17 ppm in 1 (of 5) samples; the allowable level is 16 ppm.

If Ecological Resources have been identified use the "If Ecological Resources are Present" column in Appendix 5.

SECTION 4 – SOURCE OF FILL

Name of person providing fill and relationship to the source:

Valley Sand and Gravel

Location where fill was obtained:

94 River Road, Caldonia, NY

Identification of any state or local approvals as a fill source:

Mine ID# 80321

If no approvals are available, provide a brief history of the use of the property that is the fill source:

Provide a list of supporting documentation included with this request:

Gradation Data for Regular Pea Stone

The information provided on this form is accurate and complete.



Signature

8/13/2020

Date

Alex Brett

Print Name

LaBella Associates D.P.C.

Firm

VALLEY SAND & GRAVEL, INC.

Regular Pea

SCOTTSVILLE PIT

2020

US Sieve Sizes	Weight Retained	% Retained	% Passing	NYSDOT Specification Low	NYSDOT Specification High
1"	0	0.00 %	100.00 %	100	100
3/4"	0.00	0.00 %	100.00 %	100	100
1/2"	1.22	28.33 %	71.67 %	70	100
1/4"	3.07	71.23	0.44	0	15
200	0.01	0.23 %	0.21 %	0	1
pan	0.01	0.21			
Total	**4.303**				

