



**Periodic Review Report
1 January 2022 – 31 December 2024
North Lawrence Oil Dump (645013)
North Lawrence, New York**

Prepared for

New York State Department of Environmental Conservation
625 Broadway
Albany, New York 12233



Prepared by

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February 2025
Version: FINAL
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A handwritten signature in black ink, appearing to read "Donald Conan".

13 February 2025

Donald Conan, P.E., P.G., Program Manager
EA Engineering and Geology, P.C.

Date

A handwritten signature in black ink, appearing to read "Michael Miller".

13 February 2025

Michael Miller, Project Manager
EA Science and Technology

Date

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LIST OF ACRONYMS AND ABBREVIATIONS

µg/L	Microgram(s) per liter
DCE	Dichloroethene
DER	Division of Environmental Remediation
EA	EA Engineering, P.C. and its affiliate EA Science and Technology
EC	Engineering control
EPA	U.S. Environmental Protection Agency
FS	Feasibility study
ft	Foot (feet)
HRP	HRP Engineering, P.C.
IC	Institutional control
Jordan	E.C. Jordan Company
MACTEC	MACTEC Engineering and Consulting, P.C.
No.	Number
NYSDEC	New York State Department of Environmental Conservation
PDB	Passive diffusion bag
P.E.	Professional Engineer
P.G.	Professional Geologist
PCB	Polychlorinated biphenyl
PES	Precision Environmental Services, Inc.
ppm	Part(s) per million
PRR	Periodic Review Report
RI	Remedial investigation
ROD	Record of Decision
SMP	Site Management Plan
SVOC	Semivolatile organic compound
VOC	Volatile organic compound

ES. EXECUTIVE SUMMARY

Table ES-1. Site Summary

Category	Summary/Results
Site Name/Site Number	North Lawrence Oil Dump (645013)
Engineering Control	• Cover System • Fencing around disposal cell.
Institutional Control	• The property may be used for restricted residential, commercial, and industrial use, as described in 6 New York Codes of Rules and Regulations Part 375-1.8(g)(2). All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the Site Management Plan. • Groundwater Use Restriction. • Land Use Restriction. • Monitoring Plan • Institutional Control/Engineering Control Plan
Site Management Plan	Site Management Plan – April 2014 and Rev. No. 1 – July 2024 (DRAFT)
Certification/Reporting Period	This report covers the period 1 January 2022 to 31 December 2024.
Inspection	Frequency
Site Inspection	Annually
Monitoring	Frequency
Groundwater	Every 3 years.
Prior Periodic Review Report (PRR) Recommendations	Continue Annual Site Inspections and Mowing. Continue groundwater monitoring program at the designated 3-year interval.
Site Management Activities	• Site inspection (SI) and vegetation clearing: 3 October 2022 • SI and vegetation clearing: 3 November 2023 • SI, vegetation clearing, and groundwater sampling: 28 August 2024
SI Findings/Concerns	The SI checklist can be found in Appendix B , the daily field reports and photograph log can be found in Appendix C . During SIs the site was found to be in compliance with institutional controls, and engineering controls were found to be in good condition. During the 28 August 2024 SI, a significant amount of ground hornet nests were discovered during work.
Groundwater Monitoring Findings/Results	Based on a review of results from the August 2024 groundwater sampling event, the following conclusions can be made: • Contaminants of concern were below the New York State Department of Environmental Conservation Class GA standards and guidance values except for <i>cis</i>-1,2-dichloroethene at MW-301.
Recommendations	• Site Monitoring should continue to be performed at the schedule established in the 2021 PRR (EA 2022) and 2024 Draft Revised SMP.

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1. INTRODUCTION

EA Engineering and Geology, P.C. and its affiliate EA Science and Technology (EA) was tasked by the New York State Department of Environmental Conservation (NYSDEC) under State Superfund Standby Contract Work Assignment Number (No.) D009806-23 to prepare a Periodic Review Report (PRR) for the North Lawrence Oil Dump Site (Site No. 645013) that covers the period from 1 January 2022 through 31 December 2024. The purpose of this PRR is to certify the engineering and institutional controls required by the remedy, report the results of the site inspection and groundwater sampling, and summarize and evaluate the remedy implemented at the site, relative to the requirements of the Record of Decision (ROD) dated March 1993 (NYSDEC 1993). This report was prepared in accordance with the NYSDEC Division of Environmental Remediation (DER)-10, Technical Guidance for Site Investigation and Remediation (NYSDEC 2010). A site summary and applicable remedial program information are summarized in the following sections.

1.1 SITE LOCATION, OWNERSHIP, AND DESCRIPTION

The North Lawrence Oil Dump Site is a Class 4 inactive hazardous waste disposal site that is located south of McAuslen Road and approximately 1/3 mile east of Cemetery Road in the Town of Lawrence, St. Lawrence County, New York (**Figure 1**). The site features a disposal cell (i.e., landfill) and five monitoring wells, located within the undeveloped vacant parcels of 36.003-4.10 (owned by James R. Covell) and 36.003-4-11 (owned by Joseph N. St. Hillaire), identified on the St. Lawrence County mapping application (Development Authority of the North Country 2022). Site access is provided via McAuslen Road through the northwestern corner of parcel 36.003-4-14, which is owned by the Town of Lawrence. The former lagoon is located within the previously identified parcels, and the wetland area is located immediately adjacent to the lagoon and the southeast corner of parcel 36.003-4-9.21, which is owned by John Baueler. The elevation of the site is approximately 390 feet (ft) above mean sea level, with the higher terrain south of the site. The former lagoon area, located generally south of the disposal cell, was approximately 600 ft long and 75 ft wide and is immediately adjacent to a NYSDEC regulated 150-acre wetlands.

1.2 INVESTIGATION HISTORY

In 1980, the site was identified as a possible waste oil disposal site during an investigation of the abandoned York Oil Company waste oil site in Moira, Franklin County, New York. The investigation by U.S. Environmental Protection Agency (EPA) included interviews with Moira residents, who indicated the existence of a similar waste oil dump in North Lawrence. Reportedly, the site operated as a gravel pit before the disposal of waste oil that occurred in the 1960s (E.C. Jordan Company [Jordan] 1990). Evidence of oil deposits were observed on the topographically low perimeter berm at the southwestern end and on vegetation in adjacent wetland areas, suggesting the dump was operated as a lagoon. On 7 October 1980, NYSDEC personnel observed oil stains on vegetation 18 inches above the water in the southeastern end of the lagoon because free-floating oil escaped from the topographically low areas during periods of high-water. Laboratory analysis of samples collected from lagoon sediment and soil samples contained 100 parts per million (ppm) of polychlorinated biphenyls (PCBs) (Jordan 1990).

Following the initial investigation in 1980, numerous inspections of the site have occurred. A New York State Superfund Phase 1 Study for the site was completed in August 1985. The NYSDEC contracted Jordan in October 1988 to complete a Phased Remedial Investigation (RI) and Feasibility Study (FS) to determine the extent of site contamination and to recommend an appropriate remedial action.

The Final RI and FS reports (Jordan 1993a and 1993b, respectively) were submitted in March 1993, and the RI confirmed extensive contamination, primarily with PCBs and lead, in the lagoon and wetlands. Contaminants of concern detected in lagoon sludge and soil include PCBs, volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), mercury, and lead. Historically, groundwater contamination was limited to VOCs and that migration of contaminants through groundwater was limited to the immediate lagoon area.

1.3 REMEDIAL HISTORY

In March 1993, NYSDEC issued a ROD (NYSDEC 1993), which required on-site excavation of the lagoon and the adjacent impacted wetland areas and solidification/stabilization of the contaminants. Between 1996 and 1997, excavation of the top 2 to 4 ft of contaminated soils in the lagoon and 12 inches of impacted sediment from selected areas of the adjacent wetland occurred. Approximately 7,400 cubic yards of contaminated soil and sediment were excavated, solidified, and placed in the on-site disposal cell under an impermeable cap. The approximate 2-acre disposal cell was constructed to maintain at least 2 to 3 ft separation between the high seasonal groundwater elevation and the bottom of the disposal cell (HRP Engineering, P.C. [HRP] 2014). Remediation activities were completed in 1997 (ABB Environmental Services, Inc. 1998), and the site was reclassified by the NYSDEC from a Class 2 to a Class 4 inactive hazardous waste disposal site in 1998 (NYSDEC 1998).

In 2006, MACTEC Engineering and Consulting, P.C. (MACTEC) prepared a post-remediation biological monitoring report to compare the results in the remediated and un-remediated portions of the wetlands. Biological monitoring was conducted from 5 to 9 November 2002. MACTEC indicated that lead and PCB concentrations in the remediated area sediments had been substantially reduced and additional post-remediation biomonitoring was not warranted (MACTEC 2006).

1.4 REMEDIAL ACTION OBJECTIVES

The site contains contamination not removed during the previous remedial action. Engineering controls (ECs) have been incorporated into the site remedy to control exposure to remaining contamination during the use of the site to ensure protection of public health and the environment.

Procedures required to manage remaining contamination at the site after completion of the remedial action, including: (1) implementation and management of all institutional controls (ICs) and ECs; (2) media monitoring; (3) performance of periodic inspections, certification of results, and submittal of this PRR.

2. INSTITUTIONAL AND ENGINEERING CONTROL PLAN COMPLIANCE

2.1 INSTITUTIONAL CONTROLS

A series of ICs is required by the ROD (NYSDEC 1993) to: (1) implement, maintain, and monitor EC systems; (2) prevent future exposure to remaining contamination by controlling disturbances of the subsurface contamination; and (3) limit the use and development of the site. Adherence to these ICs on the site is required by the Environmental Deed Restriction and the Environmental Notice and will be implemented under the 2014 Site Management Plan (SMP) (HRP 2014) and Draft 2024 SMP (EA 2024).

These ICs include the following:

- The property may be used for commercial and industrial use as described in 6 New York Code of Rules and Regulations Part 375
- ECs must be operated and maintained as specified in the SMP
- ECs must be inspected at a frequency and in a manner defined in the SMP
- The use of groundwater underlying the property is prohibited without necessary water quality treatment as determined by the New York State Department of Health or the Lawrence County Department of Health to render it safe for use as drinking water or for industrial purposes, and the user must first notify and obtain written approval to do so from the Department
- Groundwater and other environmental or public health monitoring must be performed as defined in the SMP
- Data and information pertinent to site management must be reported at the frequency and in a manner as defined in the SMP
- All future activities that will disturb remaining contaminated material must be conducted in accordance with the SMP
- Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in the SMP
- Operation, maintenance, monitoring, inspection, and reporting of any mechanical or physical component of the remedy shall be performed as defined in the SMP
- Access to the site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by the Environmental Deed Restriction and Environmental Notice.

ICs identified in the Environmental Deed Restriction and Environmental Notice may not be discontinued without an amendment to or extinguishment of the Environmental Deed Restriction and Environmental Notice.

The site has a series of ICs in the form of site restrictions. Adherence to these ICs is required by the Environmental Deed Restrictions or Environmental Notice. Site restrictions that apply to the Controlled Property are:

- The property may not be used for any activity other than for restricted commercial or industrial use.
- The property may not be improved or used for any prohibited activity listed in the SMP or the Environmental Deed Restriction and the Environmental Notice.
- The property may not be used for a higher level of use, such as unrestricted and restricted residential use, without additional remediation and amendment of the Environmental Deed.
- Restriction and the Environmental Notice must be implemented as approved by the NYSDEC.
- All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the SMP.
- The use of the groundwater underlying the property is prohibited.
- The Site Owner or remedial party will submit to the NYSDEC a written statement that certifies, under penalty of perjury, that: (1) controls employed at the Controlled Property are unchanged from the previous certification or that any changes to the controls were approved by the NYSDEC; and (2) nothing has occurred that impairs the ability of the controls to protect public health and environment or that constitute a violation or failure to comply with the SMP. NYSDEC retains the right to access the site at any time to evaluate the continued maintenance of any and all controls. This certification shall be submitted annually, or an alternate period of time that NYSDEC may allow and will be made by an expert that the NYSDEC finds acceptable.

2.2 ENGINEERING CONTROLS

The ECs at the site consist of a cover system placed over the site to prevent exposure to remaining contamination in soil/fill and fencing and access controls. This cover system is comprised of a vegetative, low-permeability cap constructed over the treated material to minimize the effects of rain and snow melt on the treated material and to reduce leachate formation.

Procedures for the inspection and maintenance of this cover are provided in the 2014 Site Management Plan (SMP) (HRP 2014) and Revised Draft 2024 SMP (EA 2024).

2.3 INSTITUTIONAL CONTROLS/ENGINEERING CONTROLS CERTIFICATION

The IC/EC certification form is provided in **Appendix A** of this PRR. EA has certified that the ICs and ECs are still in place and functioning as intended.

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3. MONITORING AND SAMPLING PLAN COMPLIANCE

The 2014 Site Management Plan (SMP) (HRP 2014) and Revised Draft 2024 SMP (EA 2024) were prepared to manage the contamination remaining on the site and to ensure the remedy remains effective by restricting site use, site development, and soil movement on the site. The current monitoring schedule was established in the 2021 PRR (EA 2022) based on the results of the 2021 site inspection and groundwater sampling event. The SMP was revised in 2024 to reflect the adjusted monitoring schedule. The 2021 PRR and 2024 Draft Revised SMP state that site inspections should take place annually to maintain the ECs and ICs at the site and groundwater sampling should be performed every 3 years.

3.1 SITE INSPECTION

The site inspection included an assessment of the following:

- Compliance with all ICs, including site usage
- Condition and continued effectiveness of ECs
- General site conditions at the time of the inspection
- Site management activities, including confirmation sampling and health and safety inspection
- Confirmation that site records are up-to-date

Observations from the 2024 site inspections confirm compliance with all ICs and all aspects of ECs to be in good condition.

On 3 October 2022, 3 November 2023, and 28 August 2024, EA performed site inspections of on-site features, including the wetlands, disposal cell, and monitoring wells. The purpose of the inspections was to assess the condition of the site remedy including site infrastructure, disposal cell condition, and vegetation. All monitoring wells appeared to be in good condition, the disposal cell contained tall grass and some woody vegetation along the fence lines, and the wetlands appeared to be in good condition with no stressed vegetation or other visible impacts. The completed site inspection checklists are presented in **Appendix B**.

During the site inspections, the access road was in good condition and was not deteriorated. The fencing system around the site was in good working condition with no holes in the chain link, the warning signs and sign posted at the front gate were legible.

During the 28 August 2024 site visit and inspection, EA removed the woody vegetation, sampled groundwater, replaced the disposal cell gate lock, and removed the sign outside of the entry gate

as requested by NYSDEC. The 2024 inspections confirmed compliance with all ICs, and all aspects of ECs were found in good condition.

Further details of these visits are referenced in the Daily Field Reports (**Appendix C**). Additional field documentation from these visits is provided in **Appendix D**.

3.2 GROUNDWATER MONITORING SUMMARY

3.2.1 Groundwater Sampling

On 28 August 2024, groundwater samples were collected from five groundwater monitoring wells (MW-102A, MW-102B, MW-301, MW-302, and MW-303) (**Figure 1**) to determine if contamination remains in the groundwater after remediation in 1997. Groundwater was purged using low-flow methods through a multi-parameter probe (i.e., Horiba U-52) with flow-through cell with peristaltic pumps until the groundwater parameters stabilized. Once stabilized, the groundwater was then sampled. Following the methods of the 2021 PRR (EA Engineering, P.C. and Its Affiliate EA Science and Technology [EA] 2022), purge water was discharged to the ground surface in the vicinity of the well. Well inspection details and field data are provided in **Appendix D**. Based on historical groundwater sampling; it was determined that VOCs were the only remaining contaminant as of 2014 (HRP 2015). Therefore, the groundwater samples were analyzed for VOCs by EPA Method 8260C in compliance with the Draft Revised SMP (EA 2024). All samples were submitted to Pace Analytical for analysis. The Data Usability Summary Report will be included in **Appendix E**.

3.2.2 Groundwater Sample Results

As of August 2024, all contaminants of concern are below NYSDEC Class GA (groundwater) standards and guidance values except for *cis*-1,2-dichloroethene (DCE) which showed an exceedance value of 5.9 micrograms per liter (µg/L) at MW-301 (**Table 1**) compared to a class GA standard of 5 µg/L. This shows improvement from the initial sampling event in 1992 before the completion of the remedial actions in 1997 but a slight increase in *cis*-1,2-DEC from the 2021 sampling event (EA 2022). This result is likely due to sampling variability and not a fundamental change in water quality at site.

A comparison of the highest detections in the five analytes of greatest concern from the most recent and historical groundwater sampling events is displayed in **Table 2**. The complete analytical reports is provided in **Appendix F**.

4. GREEN REMEDIATION AND CLIMATE CHANGE RESILIENCE

Consistent with NYSDEC DER-31 Green Remediation Policy, this section provides a brief summary and qualitative assessment of the overall environmental impacts or environmental footprint of the site for the current reporting period. In accordance with the NYSDEC's Executive Order No. 24, consideration has been given to reducing the consumption of energy and materials; and thereby, reducing the production of greenhouse gases, in the operation and maintenance of the site. Implementation of NYSDEC DER-31 and Executive Order No. 24 have not compromised the selected remedy's protectiveness of public health and the environment, nor has it hindered achievement of the remedial goals established for the site.

As each discrete step of any site operation and maintenance activity consumes resources and energy, consideration has been given to reducing/eliminating those activities which may not be critical to the protectiveness of the selected remedy.

A critical infrastructure vulnerability assessment was not completed during this certifying period. Such an assessment could generally be utilized to evaluate the potential consequences climate changes may have on a site, as well as any ongoing site management activities.

4.1 GREEN REMEDIATION ASSESSMENT

In accordance with the NYSDEC's DER-31 Green Remediation policy, the following section provides a qualitative assessment of the overall environmental impacts, or environmental footprint associated with the remedy.

4.1.1 Electric Usage

Implementation of the selected remedy does not directly use electricity as part of site management.

4.1.2 Fossil Fuel Usage

Implementation of the selected remedy does not directly use fossil fuels as part of site management; however, fossil fuels are indirectly used during the completion of maintenance and monitoring activities associated with the groundwater monitoring well network.

Indirect fossil fuel use results from completion of the following site-related activities:

- Transportation to and from the site for monitoring, sampling, and well rehabilitation
- Maintenance of site vegetation
- Offsite transportation and shipment of samples collected for laboratory analysis
- Disposal of waste generated at the site

4.1.3 Water Usage

Implementation of the selected remedy does not directly require the use water at this site. However, a *de minimis* quantity of water is used during sampling events for equipment decontamination.

4.1.4 Air Emissions

Implementation of the selected remedy does not directly emit contaminants to the air, nor impact air quality other than through the combustion of fossil fuels in vehicles and use in generators, as described above.

4.1.5 Consumption of Materials and Generation of Waste

Monitoring, maintenance, and reporting activities associated with groundwater sampling events result in material consumption and the generation of waste. A summary of the current material consumption and waste generation activities for the site are summarized below:

- Personal protective equipment associated with groundwater sampling, such as nitrile gloves, etc.
- Consumables associated with groundwater sampling such as polyethylene tubing, paper towels, trash bags, etc.
- Packaging material and ice used to pack and preserve samples to be submitted for laboratory analysis.
- Paper and office supplies associated with site logs, monitoring logs and report preparation.
- Repair and replacement of equipment associated with the monitoring well network.

4.2 CLIMATE CHANGE VULNERABILITY ASSESSMENT

Increases in both the severity and frequency of storms and weather events, an increase in sea-level elevations along with accompanying flooding impacts, shifting precipitation patterns and wide temperature fluctuations, resulting from global climate change and instability, have the potential to significantly impact the performance, effectiveness, and protectiveness of a given site remedy. The intent of this vulnerability assessment is to provide information to allow the site remedy to better prepare for the impacts of the increasing frequency and intensity of severe storms, weather events, and associated flooding brought on by global climate changes and instabilities, in order to ultimately enhance the remedy's resilience to such events.

This section briefly summarizes the vulnerability of the site and/or the remedy to severe storms, weather events and associated flooding.

This assessment included consideration of the following:

- **Flood Plain:** No component of the site is located in a flood plain, low-lying, or low groundwater recharge area.

- **Site Drainage and Storm Water Management:** The site is well drained with minimal potential for flooding or damage to the monitoring well network during severe rain events.
- **Erosion:** There is no evidence of erosion at the site or areas of the site that may be susceptible to erosion during periods of severe rain events, and which may damage the monitoring well network.
- **High Wind:** The observation wells are stick-ups and are susceptible to damage from the wind itself or falling objects, such as trees during periods of high wind.

4.3 CONSIDERATIONS FOR OPTIMIZATION OF PHYSICAL SYSTEMS

Environmental and energy conservation measures and other methods to reduce energy consumption, resource usage, waste generation, and water usage have been considered and are described below.

During the certifying period three site inspections and one groundwater sampling event were conducted. Continuing to combine these events to limit trips to the site will reduce the amount of energy used for site management. Additionally, electric or other non-fossil fuel consuming mowing options should be evaluated. The use of HydraSleeves® or passive diffusion bags (PDBs) for groundwater sampling was evaluated but would require two trips to site, negating any energy savings. Continued use of electronic pumps is the most efficient way of groundwater sampling.

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5. CONCLUSIONS AND RECOMMENDATIONS

5.1 CONCLUSIONS

The site inspections confirmed compliance with ICs and ECs were found to be in good condition. As of August 2024, only one contaminant of concern, *cis*-1,2-DCE, was detected at a concentration greater than NYSDEC Class GA Standards. This result is likely due to sampling variability and not a fundamental change in water quality at site, and the current monitoring schedule remains appropriate.

5.2 RECOMMENDATIONS

Based on site observations and groundwater analytical results, the site should continue to be monitored and maintained at the schedule established in the 2021 PRR (EA 2022). A summary of the monitoring and inspection schedule is presented in **Table 3**. Recommendations have been incorporated into the Draft Revised SMP pending NYSDEC approval.

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6. FUTURE SITE ACTIVITIES

EA recommends the elimination of multiple site visits to conduct all site management activities during one annual trip (i.e., site inspections in 2025/2026 and site inspections and groundwater sampling in October 2027). Based on the recommendations in Section 4, the following site management activities will be completed during the next PRR reporting period (1 January 2025 to 31 December 2027):

- Site Inspection – annual (planned for October 2025, October 2026, and October 2027)
- Groundcover maintenance – annual (planned for October 2025, October 2026, and October 2027)
- On-site maintenance (i.e., erosion repair, subsidence control, gas vent inspection) – as needed
- Groundwater sampling – every third year (planned for October 2027)
- PRR – every third year (next reporting period 1 January 2025 – 31 December 2027).

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Tables

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Table 1. Summary of Laboratory Analysis

Location ID Sample Name Parent Sample ID Sample Date			MW-102A 645013-MW-102A-20240828 8/28/2024	MW-102B 645013-MW-102B-20240828 8/28/2024	MW-301 645013-MW-301-20240828 8/28/2024	MW-302 645013-MW-302-20240828 8/28/2024	MW-303 645013-FD-01-20240828 645013-MW-303-20240828 8/28/2024	MW-303 645013-MW-303-20240828 8/28/2024
Analyte	NYSDEC AWQS ¹	Unit	Result	Result	Result	Result	Result	Result
VOCs (SW8260D)								
1,1,1-Trichloroethane (TCA)	5	µg/L	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U
1,1,2,2-Tetrachloroethane	5	µg/L	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U
1,1,2-Trichloro-1,2,2,2-Trifluoroethane	5	µg/L	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U
1,1,2-Trichloroethane	1	µg/L	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U
1,1-Dichloroethane	5	µg/L	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U
1,1-Dichloroethene	5	µg/L	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U
1,2,3-Trichlorobenzene	5	µg/L	< 0.22 U	< 0.22 U	< 0.22 U	< 0.22 U	< 0.22 U	< 0.22 U
1,2,3-Trichloropropane	0.04	µg/L	< 0.27 U	< 0.27 U	< 0.27 U	< 0.27 U	< 0.27 U	< 0.27 U
1,2,4-Trichlorobenzene	5	µg/L	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U
1,2,4-Trimethylbenzene	5	µg/L	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U
1,2-Dibromo-3-Chloropropane	0.04	µg/L	< 0.63 U	< 0.63 U	< 0.63 U	< 0.63 U	< 0.63 U	< 0.63 U
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	µg/L	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U
1,2-Dichlorobenzene	3	µg/L	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U
1,2-Dichloroethane	0.6	µg/L	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U
1,2-Dichloropropane	1	µg/L	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U
1,3,5-Trimethylbenzene (Mesitylene)	5	µg/L	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U
1,3-Dichlorobenzene	3	µg/L	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U
1,4-Dichlorobenzene	3	µg/L	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U
2-Hexanone	50	µg/L	< 1.3 U	< 1.3 U	< 1.3 U	< 1.3 U	< 1.3 U	< 1.3 U
Acetone	50	µg/L	2.8 J	< 2 U	2.9 J	< 2 U	2.5 J	2.6 J
Benzene	1	µg/L	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U
Bromochloromethane	5	µg/L	< 0.32 U	< 0.32 U	< 0.32 U	< 0.32 U	< 0.32 U	< 0.32 U
Bromodichloromethane	50	µg/L	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U
Bromoform	50	µg/L	< 0.3 U	< 0.3 U	< 0.3 U	< 0.3 U	< 0.3 U	< 0.3 U
Bromomethane	5	µg/L	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U
Carbon Disulfide	60	µg/L	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U
Carbon Tetrachloride	5	µg/L	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U
Chlorobenzene	5	µg/L	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U
Chloroethane	5	µg/L	< 0.46 U	< 0.46 U	< 0.46 U	< 0.46 U	< 0.46 U	< 0.46 U
Chloroform	7	µg/L	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U
Chloromethane (Methyl Chloride)	5	µg/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Cis-1,2-Dichloroethylene	5	µg/L	< 0.2 U	< 0.2 U	5.9	< 0.2 U	< 0.2 U	< 0.2 U
Cis-1,3-Dichloropropene	0.4	µg/L	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U
Cyclohexane	NSL	µg/L	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U
Cymene	5	µg/L	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U
Dibromochloromethane	50	µg/L	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U
Dichlorodifluoromethane	5	µg/L	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
Ethylbenzene	5	µg/L	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U
Isopropylbenzene (Cumene)	5	µg/L	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U
Methyl Acetate	NSL	µg/L	< 0.48 U	< 0.48 U	< 0.48 U	< 0.48 U	< 0.48 U	< 0.48 U
Methyl Ethyl Ketone (2-Butanone)	50	µg/L	< 1.4 U	< 1.4 U	< 1.4 U	< 1.4 U	< 1.4 U	< 1.4 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NSL	µg/L	< 1.4 U	< 1.4 U	< 1.4 U	< 1.4 U	< 1.4 U	< 1.4 U
Methylcyclohexane	NSL	µg/L	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U
Methylene Chloride	5	µg/L	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U
M-P-Xylene	5	µg/L	< 0.25 U	< 0.25 U	< 0.25 U	< 0.25 U	< 0.25 U	< 0.25 U
Naphthalene	10	µg/L	< 0.25 U	< 0.25 U	< 0.25 U	< 0.25 U	< 0.25 U	< 0.25 U
N-Butylbenzene	5	µg/L	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U
N-Propylbenzene	5	µg/L	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U
O-Xylene (1,2-Dimethylbenzene)	5	µg/L	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U
Sec-Butylbenzene	5	µg/L	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U
Styrene	5	µg/L	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U
T-Butylbenzene	5	µg/L	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U
Tert-Butyl Methyl Ether	10	µg/L	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U
Tetrachloroethylene (PCE)	5	µg/L	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U
Toluene	5	µg/L	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U
Trans-1,2-Dichloroethene	5	µg/L	< 0.16 U	< 0.16 U	0.22 J	< 0.16 U	< 0.16 U	< 0.16 U
Trans-1,3-Dichloropropene	0.4	µg/L	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U
Trichloroethylene (TCE)	5	µg/L	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U
Trichlorofluoromethane	5	µg/L	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U
Vinyl Chloride	2	µg/L	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U
Xylenes	5	µg/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U

Notes:

(1) NYSDEC Ambient Water Quality Standard Class GA (Standard/guidance values) (Technical and Operational Guidance Series [TOGS] 1.1.1)

µg/L = Microgram(s) per liter

J = Concentration is estimated

U = Analyte not detected

VOC = Volatile organic compound

Cells exceeding the screening level are bolded and shaded.

Table 2. Historical Groundwater Analytical Results

VOC Analyte	GSL	1992	2012	2014	2020	2021	2024
Acetone	50	ND	ND	ND	ND	ND	2.9 J
Benzene	1	12	ND	ND	ND	ND	ND
<i>Cis</i> -1,2-dichloroethene	5	ND	15	10	12	3.6	5.9
Tetrachloroethylene	5	42	ND	ND	ND	ND	ND
Trichloroethylene	5	93	ND	ND	ND	ND	ND

Notes:

(a) All units are specified in parts per billion.

GSL = New York State Department of Environmental Conservation Ambient Water Quality Standard Class GA
(Standard/guidance values) (Technical and Operational Guidance Series 1.1.1).

J = Concentration is estimated.

ND = Not detected

VOC = Volatile organic compound

Bold values exceed GSL for VOCs.

Values shown are the highest detections of all wells sampled during the sample year.

Table 3. Monitoring and Inspection Schedule

Monitoring Program	Proposed Frequency	Matrix	Analysis
Groundwater Monitoring	Every 3 Years	Groundwater	VOCs, Category A
Periodic Review Report	Every 3 Years	NA	NA
Inspection of Disposal Cell	Annual	Visual Inspection	Visual Inspection
Maintenance	As Needed	NA	NA
Wetlands Monitoring	Annual	Visual Inspection	Visual Inspection
Vegetation Mowing	Annual	NA	NA

Notes:

NA = Not applicable/available

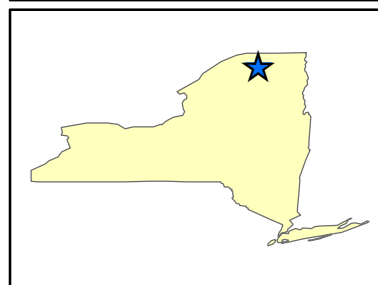
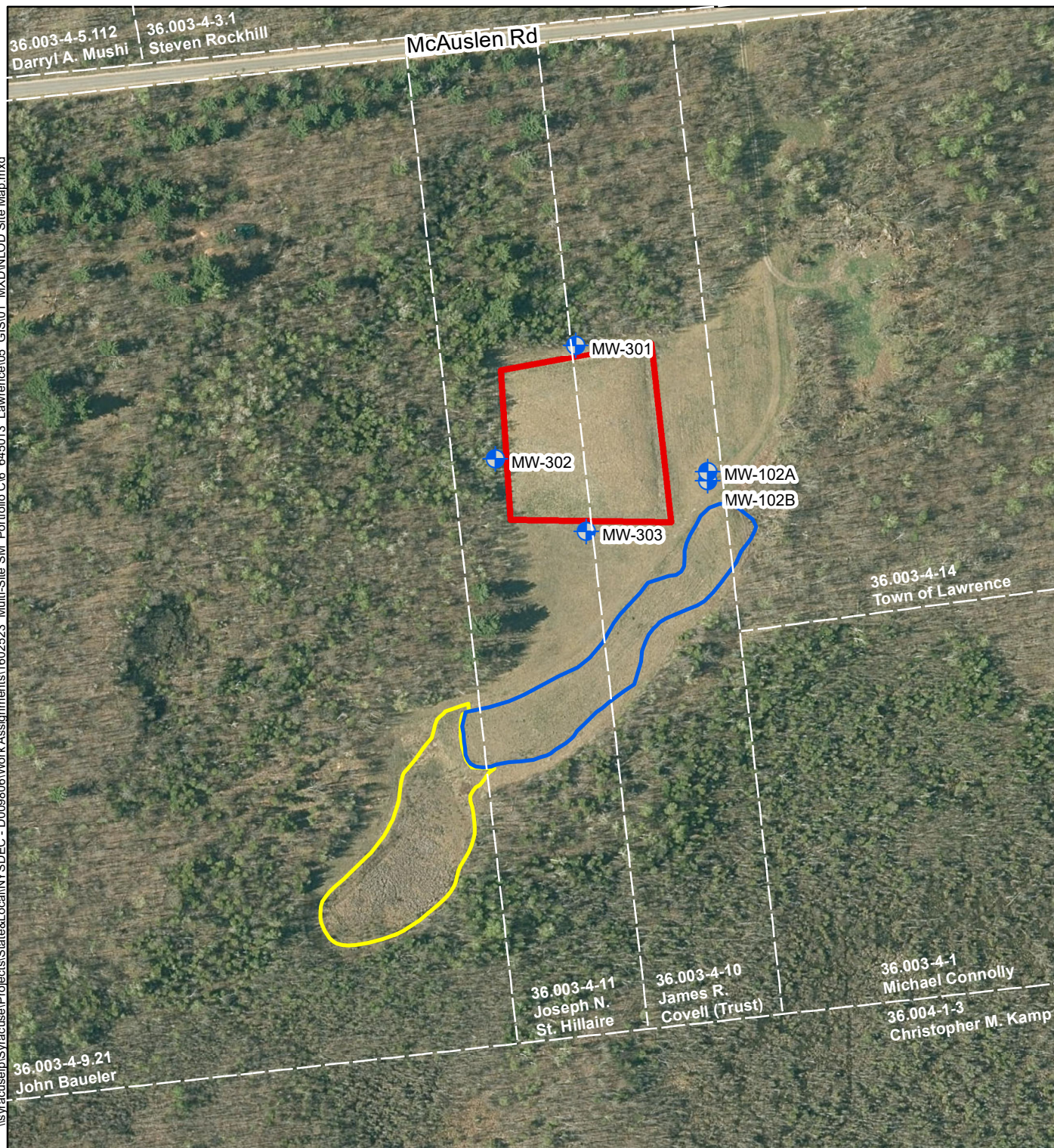
VOC = Volatile organic compound

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Figures

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\\syracuse\p\Syracuse\Projects\State&Local\NYSDEC - D009806\Work Assignments\1602523 Multi-Site SM Portfolio C16 645013 Lawrence\05 GIS01 MXD\INLOD Site Map.mxd



0 200 400
Feet

Legend

-  Monitoring Wells
-  Approximate Limits of Former Lagoon Area
-  Approximate Limits of Restored Wetland
-  Site Boundary
-  Tax Parcels

Figure 1
Site and Monitoring Well Locations
North Lawrence Oil Dump Site (NYSDEC Site 645013)
North Lawrence, NY

Map Date: 3/29/2022
Projection: NAD83 State Plane New York East
FIPS 3102 Feet



Department of
Environmental
Conservation

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Appendix A

Institutional Controls/Engineering Controls Checklist

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Enclosure 1
Engineering Controls - Standby Consultant/Contractor Certification Form



Site Details		Box 1	
Site No.	645013		
Site Name North Lawrence Oil Dump			
Site Address: McAuslen Road (a.k.a. McCauslin Road) Zip Code: 12967			
City/Town: North Lawrence			
County: St Lawrence			
Site Acreage: 2.0			
Reporting Period: ~~October 01, 2020 to October 01, 2023~~			
January 01, 2022 to December 31, 2024			
		YES	NO
1. Is the information above correct?	☐	☒	
If NO, include handwritten above or on a separate sheet.			
2. To your knowledge has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?	☐	☒	
3. To your knowledge has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	☐	☒	
4. To your knowledge have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?	☐	☒	
If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.			
5. To your knowledge is the site currently undergoing development?	☐	☒	

		Box 2	
		YES	NO
6. Is the current site use consistent with the use(s) listed below?	☐	☒	
Closed Landfill			
7. Are all ICs/ECs in place and functioning as designed?	☐	☒	
IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and contact the DEC PM regarding the development of a Corrective Measures Work Plan to address these issues.			
Signature of Standby Consultant/Contractor _____		Date _____	

Description of Institutional Controls

<u>Parcel</u>	<u>Owner</u>	<u>Institutional Control</u>
36.003-4-10	Covell, James R (Trust)	Ground Water Use Restriction Soil Management Plan Landuse Restriction Monitoring Plan Site Management Plan O&M Plan IC/EC Plan

The parcel is governed by a Site Management Plan (SMP). An environmental notice (EN) for this parcel was recorded on 9/9/2013 with the St. Lawrence County Clerk's office. The EN specifies the following:

FIRST, the Property subject to this Environmental Notice is as shown on the map titled, "North Lawrence Oil Dump - Restriction Area, Site ID No. 645013," located in the Site Management Plan (SMP).

SECOND, unless prior written approval by the Department or, if the Department shall no longer exist, any New York State agency or agencies subsequently created to protect the environment of the State and the health of the State's citizens, hereinafter referred to as "the Relevant Agency," is first obtained where contamination remains at the Property subject to the provisions of the Operation and Maintenance ("O&M"), there shall be no disturbance or excavation of the Property which threatens the integrity of the engineering controls or which results or may result in a significantly increased threat of harm or damage at any site as a result of exposure to soils. A violation of this provision is a violation of 6 NYCRR 375-1.11(b)(2).

THIRD, no person shall disturb, remove, or otherwise interfere with the installation, use, operations, a maintenance of engineering controls required for the Remedy, including but not limited to those engineering controls described in the O&M Plan and listed below, unless in each instance they first obtain a written waiver of such prohibition from the Department or Relevant Agency.

FOURTH, the remedy was designed to be protective for the following uses: Commercial as described 6 NYCRR Part 375-1.8(g)(2)(iii) and Industrial as described in 6 NYCRR Part 375-1.8(g)(2)(iv). Therefore any use for purposes other than Commercial and Industrial without the express written waiver of such prohibition by the Relevant Agency may result in a significantly increased threat of harm or damage at any site.

FIFTH, no person shall use the groundwater underlying the Property without treatment rendering it safe for drinking water or industrial purposes, as appropriate, unless the user first obtains permission to do so from the Department or Relevant Agency. Use of the groundwater without appropriate treatment may result in a significantly increased threat of harm or damage at any site.

SIXTH, it is a violation of 6 NYCRR 375-1.11(b) to use the Property in a manner inconsistent with this environmental notice. The EN specifies restrictions on landuse and groundwater use. In addition, the parcel is regulated by a site management plan (SMP) which includes an IC/EC plan, a soil management plan, a monitoring plan and an O&M plan. No one can interfere with the engineering controls or prohibit access to the property by the Department.

36.003-4-11	Douglas E. Gormley	Site Management Plan Building Use Restriction Landuse Restriction Ground Water Use Restriction

November 28, 2012, the deed restriction for a State Superfund site was signed. Deed restriction was

filed on 3/1/2013 with St. Lawrence County. Includes abiding by the SMP, landuse restriction and groundwater use restriction

Box 4

Description of Engineering Controls

Parcel

Engineering Control

36.003-4-10

Cover System
Fencing/Access Control

Cover System (cap) comprised of a vegetative, low-permeability cap, a monitoring well network and a locked gate and secure chain-link fence which surrounds the mounded landfill cover (cap).

Monitoring well network

36.003-4-11

Fencing/Access Control
Cover System

Fencing: A locked gate and secure chain-link fence surround the mounded landfill cover.

Cover system: A covers the stabilized portion of the site.

Monitoring Well network

Periodic Review Report (PRR) Certification Statements

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

a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the certification, including data and material prepared by previous contractors for the current certifying period, if any;

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

YES NO

☒ ☐

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

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

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

(c) nothing has occurred that would constitute a failure to comply with the Site Management Plan, or equivalent if no Site Management Plan exists.

YES NO

☒ ☐

IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and contact the DEC PM regarding the development of a Corrective Measures Work Plan to address these issues.

Signature of Standby Consultant/Contractor

Date

IC/EC CERTIFICATIONS

Qualified Environmental Professional Signature

I certify that all information in Boxes 2 through 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Donald Conan at EA Engineering and Geology, P.C.
print name

333 West Washington St., Suite 300

Syracuse, NY 13214
(print business address)

am certifying as a Qualified Environmental Professional. Designated Representative for NYSDEC

Donald Conan



13 February 2025

Signature of Qualified Environmental Professional

Stamp
(Required for PE)

Date



Enclosure 1
Engineering Controls - Standby Consultant/Contractor Certification Form



Site Details		Box 1	
Site No.	645013		
Site Name North Lawrence Oil Dump			
Site Address: McAuslen Road (a.k.a. McCauslin Road) Zip Code: 12967			
City/Town: North Lawrence			
County: St Lawrence			
Site Acreage: 2.0			
Reporting Period: October 01, 2020 to October 01, 2023			
		YES	NO
1. Is the information above correct?		☐	☐
If NO, include handwritten above or on a separate sheet.			
2. To your knowledge has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?		☐	☐
3. To your knowledge has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?		☐	☐
4. To your knowledge have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?		☐	☐
If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.			
5. To your knowledge is the site currently undergoing development?		☐	☐

		Box 2	
		YES	NO
6. Is the current site use consistent with the use(s) listed below? Closed Landfill		☐	☐
7. Are all ICs/ECs in place and functioning as designed?		☐	☐
IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and contact the DEC PM regarding the development of a Corrective Measures Work Plan to address these issues.			
_____ Signature of Standby Consultant/Contractor		_____ Date	

Description of Institutional Controls

<u>Parcel</u>	<u>Owner</u>	<u>Institutional Control</u>
36.003-4-10	Covell, James R (Trust)	Ground Water Use Restriction Soil Management Plan Landuse Restriction Monitoring Plan Site Management Plan O&M Plan IC/EC Plan

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SECOND, unless prior written approval by the Department or, if the Department shall no longer exist, any New York State agency or agencies subsequently created to protect the environment of the State and the health of the State's citizens, hereinafter referred to as "the Relevant Agency," is first obtained where contamination remains at the Property subject to the provisions of the Operation and Maintenance ("O&M"), there shall be no disturbance or excavation of the Property which threatens the integrity of the engineering controls or which results or may result in a significantly increased threat of harm or damage at any site as a result of exposure to soils. A violation of this provision is a violation of 6 NYCRR 375-1.11(b)(2).

THIRD, no person shall disturb, remove, or otherwise interfere with the installation, use, operations, a maintenance of engineering controls required for the Remedy, including but not limited to those engineering controls described in the O&M Plan and listed below, unless in each instance they first obtain a written waiver of such prohibition from the Department or Relevant Agency.

FOURTH, the remedy was designed to be protective for the following uses: Commercial as described 6 NYCRR Part 375-1.8(g)(2)(iii) and Industrial as described in 6 NYCRR Part 375-1.8(g)(2)(iv). Therefore any use for purposes other than Commercial and Industrial without the express written waiver of such prohibition by the Relevant Agency may result in a significantly increased threat of harm or damage at any site.

FIFTH, no person shall use the groundwater underlying the Property without treatment rendering it safe for drinking water or industrial purposes, as appropriate, unless the user first obtains permission to do so from the Department or Relevant Agency. Use of the groundwater without appropriate treatment may result in a significantly increased threat of harm or damage at any site.

SIXTH, it is a violation of 6 NYCRR 375-1.11(b) to use the Property in a manner inconsistent with this environmental notice. The EN specifies restrictions on landuse and groundwater use. In addition, the parcel is regulated by a site management plan (SMP) which includes an IC/EC plan, a soil management plan, a monitoring plan and an O&M plan. No one can interfere with the engineering controls or prohibit access to the property by the Department.

36.003-4-11	Douglas E. Gormley	Site Management Plan Building Use Restriction Landuse Restriction Ground Water Use Restriction

November 28, 2012, the deed restriction for a State Superfund site was signed. Deed restriction was

filed on 3/1/2013 with St. Lawrence County. Includes abiding by the SMP, landuse restriction and groundwater use restriction

Box 4

Description of Engineering Controls

Parcel

Engineering Control

36.003-4-10

Cover System

Fencing/Access Control

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Monitoring well network

36.003-4-11

Fencing/Access Control

Cover System

Fencing: A locked gate and secure chain-link fence surround the mounded landfill cover.

Cover system: A covers the stabilized portion of the site.

Monitoring Well network

Periodic Review Report (PRR) Certification Statements

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

a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the certification, including data and material prepared by previous contractors for the current certifying period, if any;

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

YES NO

☐ ☐

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

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

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

(c) nothing has occurred that would constitute a failure to comply with the Site Management Plan, or equivalent if no Site Management Plan exists.

YES NO

☐ ☐

IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and contact the DEC PM regarding the development of a Corrective Measures Work Plan to address these issues.

Signature of Standby Consultant/Contractor

Date

IC/EC CERTIFICATIONS**Qualified Environmental Professional Signature**

I certify that all information in Boxes 2 through 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I _____ at _____
print name

_____,
(print business address)

am certifying as a Qualified Environmental Professional.

Signature of Qualified Environmental Professional

Stamp
(Required for PE)

Date

Appendix B

Site Inspection Checklist

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Post-Closure Site Inspection Checklist North Lawrence Oil Dump Site

Date: 10/3/2022

Weather: 50 F, Sunny

Personnel (Organization): M. Miller and F. Fenner

Instructions: Complete the checklist of visual evaluation items and then complete specific data items. Field measurements should be made with a cloth tape and noted on a site plan. Estimated measurements should be so noted. Attach hand sketches or photographs to the site plan to further define conditions or problems.

I. VISUAL EVALUATION ITEMS

	<u>Acceptable</u>	<u>CONDITION: (Check)</u>		<u>REMARKS</u>
		<u>Not Acceptable</u>	<u>Action Required?</u> <u>Yes</u> <u>No</u>	
1) Vegetative Cover				
a) Disposal Cell	<u>X</u>	<u> </u>	<u> </u>	
b) Lagoon	<u>X</u>	<u> </u>	<u> </u>	
c) Wetland	<u>X</u>	<u> </u>	<u> </u>	
2) Site Drainage				
a) Sediment Build-Up	<u>X</u>	<u> </u>	<u> </u>	
b) Pooling or Ponding	<u>X</u>	<u> </u>	<u> </u>	
c) Slope Integrity	<u>X</u>	<u> </u>	<u> </u>	
d) Erosion Protection (Riprap, grout, vegetation)	<u>X</u>	<u> </u>	<u> </u>	
e) Obstruction of Culverts	<u>X</u>	<u> </u>	<u> </u>	
3) Condition of Access				
a) Road Condition	<u>X</u>	<u> </u>	<u> </u>	
b) Gates/Locks/Signs	<u>X</u>	<u> </u>	<u> </u>	
4) Integrity of Ground Water Monitoring Wells	<u>X</u>	<u> </u>	<u> </u>	
5) Integrity of Cap				
a) Erosion Damage	<u>X</u>	<u> </u>	<u> </u>	
b) Leachate Break-through	<u>X</u>	<u> </u>	<u> </u>	
c) Settlement	<u>X</u>	<u> </u>	<u> </u>	
6) Gas Venting System				
a) Vents free of obstructions	<u>X</u>	<u> </u>	<u> </u>	
b) Gas readings (measure)	<u>0% LEL and 0.0 ppm at 4 vent locations.</u>	<u> </u>	<u> </u>	
7) Other (e.g., Litter, Unauthorized Dumping, etc.)	<u>X</u>	<u> </u>	<u> </u>	

New combination locks placed on site and landfill gates, combinations are N-L-O-D

II. SPECIFIC DATA ITEMS (Write N.A. if not applicable)

A. Erosion and Settlement:

1) Approximate size in feet of eroded cap area(s). (List Separately)

a. feet by feet NA

b. feet by feet

c. feet by feet

2) How deep is the most extreme point of erosion when measured from the adjacent surface. (List Separately)

a. feet NA

b. feet

c. feet

Figure 3-1

Post-Closure Site Inspection Checklist
North Lawrence Oil Dump Site
(continued)

- 3) Approximate size in feet of eroded areas outside the soil cap area such as drainage ditches, roads or slopes. _____
- 4) Attach a hand sketch or photograph to be attached to this report, showing location(s) of the eroded area(s). Identify each area by using the letter a, b, c, etc. from Question 1.
- 5) Approximate size in feet of leachate breakout(s). (List Separately)
- a. _____ feet by _____ feet NA
- b. _____ feet by _____ feet
- c. _____ feet by _____ feet
- 6) Approximate size in feet of any settlement area within the soil cap area. (List Separately)
- a. _____ feet by _____ feet NA
- b. _____ feet by _____ feet
- c. _____ feet by _____ feet
- 7) Approximate depth of each settlement area when measured from the adjacent surface. (List Separately)
- a. _____ feet NA
- b. _____ feet
- c. _____ feet
- 8) Attach a hand sketch or photograph to the attached site plan showing the location of the settlement area(s). Identify each area by using letter a, b, or c, etc. from Question 6.



Signature of Inspector(s)

Attachments

_____ Yes ☒ No

Post-Closure Site Inspection Checklist North Lawrence Oil Dump Site

Date: 11/03/2023

Weather: Sunny; 52 F; light wind

Personnel (Organization): Michael Miller and Alex Stoogenke (EA Engineering)

Instructions: Complete the checklist of visual evaluation items and then complete specific data items. Field measurements should be made with a cloth tape and noted on a site plan. Estimated measurements should be so noted. Attach hand sketches or photographs to the site plan to further define conditions or problems.

I. VISUAL EVALAUTION ITEMS

	<u>Acceptable</u>	<u>CONDITION: (Check)</u>		<u>REMARKS</u>
		<u>Not Acceptable</u>	<u>Action Required?</u> <u>Yes</u> <u>No</u>	
1) Vegetative Cover				
a) Disposal Cell	<u>X</u>	_____	_____	<u>X</u>
b) Lagoon	<u>X</u>	_____	_____	<u>X</u>
c) Wetland	<u>X</u>	_____	_____	<u>X</u>
2) Site Drainage				
a) Sediment Build-Up	<u>X</u>	_____	_____	<u>X</u>
b) Pooling or Ponding	<u>X</u>	_____	_____	<u>X</u>
c) Slope Integrity	<u>X</u>	_____	_____	<u>X</u>
d) Erosion Protection (Riprap, grout, vegetation)	<u>X</u>	_____	_____	<u>X</u>
e) Obstruction of Culverts	<u>X</u>	_____	_____	<u>X</u>
3) Condition of Access				
a) Road Condition	<u>X</u>	_____	_____	<u>X</u>
b) Gates/Locks/Signs	<u>X</u>	_____	_____	<u>X</u>
4) Integrity of Ground				
Water Monitoring Wells	<u>X</u>	_____	_____	<u>X</u>
5) Integrity of Cap				
a) Erosion Damage	<u>X</u>	_____	_____	<u>X</u>
b) Leachate Break-through	<u>X</u>	_____	_____	<u>X</u>
c) Settlement	<u>X</u>	_____	_____	<u>X</u>
6) Gas Venting System				
a) Vents free of obstructions	<u>X</u>	_____	_____	<u>X</u>
b) Gas readings (measure)	_____	_____	_____	Gas measurements not taken will be attempted next year
7) Other (e.g., Litter, Unauthorized Dumping, etc.)	_____	_____	_____	No dumping observed

II. SPECIFIC DATA ITEMS (Write N.A. if not applicable)

A. Erosion and Settlement:

1) Approximate size in feet of eroded cap area(s). (List Separately)

a. _____ feet by _____ feet

b. _____ feet by _____ feet

c. _____ feet by _____ feet

NA

2) How deep is the most extreme point of erosion when measured from the adjacent surface. (List Separately)

a. _____ feet

b. _____ feet

c. _____ feet

NA

Figure 3-1

Post-Closure Site Inspection Checklist
North Lawrence Oil Dump Site
(continued)

- 3) Approximate size in feet of eroded areas outside the soil cap area such as drainage ditches, roads or slopes. _____
- 4) Attach a hand sketch or photograph to be attached to this report, showing location(s) of the eroded area(s). Identify each area by using the letter a, b, c, etc. from Question 1.
- 5) Approximate size in feet of leachate breakout(s). (List Separately)
- a. _____ feet by _____ feet
- b. _____ feet by _____ feet NA
- c. _____ feet by _____ feet
- 6) Approximate size in feet of any settlement area within the soil cap area. (List Separately)
- a. _____ feet by _____ feet
- b. _____ feet by _____ feet NA
- c. _____ feet by _____ feet
- 7) Approximate depth of each settlement area when measured from the adjacent surface. (List Separately)
- a. _____ feet
- b. _____ feet NA
- c. _____ feet
- 8) Attach a hand sketch or photograph to the attached site plan showing the location of the settlement area(s). Identify each area by using letter a, b, or c, etc. from Question 6.



Signature of Inspector(s)

Attachments

_____ Yes ☒ No

Figure 3-1

Post-Closure Site Inspection Checklist
North Lawrence Oil Dump Site

Date: 09/28/2024

Weather: 55°F

Personnel (Organization): (EA) Alex Sfoogemke, Mr. Gilkey, C. Derrick

Instructions: Complete the checklist of visual evaluation items and then complete specific data items. Field measurements should be made with a cloth tape and noted on a site plan. Estimated measurements should be so noted. Attach hand sketches or photographs to the site plan to further define conditions or problems.

I. VISUAL EVALUATION ITEMS

	Acceptable	CONDITION: (Check)		REMARKS
		Not Acceptable	Action Required? Yes No	
1) Vegetative Cover				
a) Disposal Cell	X			
b) Lagoon	X			
c) Wetland	X			
2) Site Drainage				
a) Sediment Build-Up	X			
b) Pooling or Ponding	X			
c) Slope Integrity	X			
d) Erosion Protection (Riprap, grout, vegetation)	X			
e) Obstruction of Culverts	X			
3) Condition of Access				
a) Road Condition	X			
b) Gates/Locks/Signs	X			
4) Integrity of Ground Water Monitoring Wells	X			
5) Integrity of Cap				
a) Erosion Damage	X			
b) Leachate Break-through	X			
c) Settlement	X			
6) Gas Venting System				
a) Vents free of obstructions	X			
b) Gas readings (measure) - Not measured	X			
7) Other (e.g., Litter, Unauthorized Dumping, etc.)	X			

* Well locks had to be cut. will be replaced @ next site visit

→ Env. Hazard (Bees) prevented gas measurements will measure @ next site visit Q4 2024

II. SPECIFIC DATA ITEMS (Write N.A. if not applicable)

A. Erosion and Settlement:

1) Approximate size in feet of eroded cap area(s). (List Separately)

- a. N/A feet by N/A feet
b. N/A feet by N/A feet
c. N/A feet by N/A feet

2) How deep is the most extreme point of erosion when measured from the adjacent surface. (List Separately)

- a. N/A feet
b. N/A feet
c. N/A feet

Figure 3-1

Post-Closure Site Inspection Checklist
North Lawrence Oil Dump Site
(continued)

- 3) Approximate size in feet of eroded areas outside the soil cap area such as drainage ditches, roads or slopes. NA
- 4) Attach a hand sketch or photograph to be attached to this report, showing location(s) of the eroded area(s). Identify each area by using the letter a, b, c, etc. from Question 1.
- 5) Approximate size in feet of leachate breakout(s). (List Separately)
- a. NA feet by NA feet
- b. NA feet by NA feet
- c. NA feet by NA feet
- 6) Approximate size in feet of any settlement area within the soil cap area. (List Separately)
- a. NA feet by NA feet
- b. NA feet by NA feet
- c. NA feet by NA feet
- 7) Approximate depth of each settlement area when measured from the adjacent surface. (List Separately)
- a. NA feet
- b. NA feet
- c. NA feet
- 8) Attach a hand sketch or photograph to the attached site plan showing the location of the settlement area(s). Identify each area by using letter a, b, or c, etc. from Question 6.

No leachate observed

No depressions from waste settling
Noted

11

Alex Stupka

Joseph Secker

Signature of Inspector(s)

Attachments

Yes ☒ No

Appendix C

Daily Field Reports

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DAILY INSPECTION REPORT - No. 001
North Lawrence Oil Dump, Site No. 645013

Page 1 of 7
 Date: 10/03/2022

50NYSDEC Division of Environmental Remediation		 NEW YORK STATE OF OPPORTUNITY		Department of Environmental Conservation		Contract No. DEC Insp. – DEC PM – Evelyn Hussey Engineer PM – Michael Miller Engineer Insp. – Emily Fenner	
Site Location: North Lawrence, NY							
Weather Conditions							
General Description	Sunny	AM	Sunny	PM			
Temperature	50 F	AM	60 F	PM			
Wind	Calm	AM	Calm	PM			
Health & Safety If any box below is checked "Yes", provide explanation under "Health & Safety Comments".							
Were there any changes to the Health & Safety Plan?					*Yes	No	X NA
Were there any exceedances of the perimeter air monitoring reported on this date?					*Yes	No	X NA
Were there any nuisance issues reported/observed on this date?					*Yes	No	X NA
Health & Safety Comments							
Health & Safety Meeting topic: PPE and exercising caution while working with landscaping equipment.							
Summary of Work Performed		Arrived at site:	1110	Departed Site:	1520		
1110 EA (E. Fenner, M. Miller) arrives onsite. 1130 M. Miller begins mowing landfill cell. E. Fenner begins site inspection. 1150 Site inspection complete. E. Fenner begins trimming fenceline and cutting down small trees within and on the fenceline. 1430 Mowing/brush cutting complete. Measure volatile organic compounds (VOCs) and Flammable gases (LEL) at 4 landfill gas vents. All VOC and LEL readings 0.0 ppm and 0%, respectively 1445 Mob to hardware store to purchase locks. 1515 Combination Locks purchased and placed on site entrance and landfill gate. Both combinations set to "N-L-O-D". 1520 Mob to Sewall's Island.							
Equipment/Material Tracking If any box below is checked "Yes", provide explanation under "Material Tracking Comments".							
Were there any vehicles which did not display proper D.O.T numbers and placards?					*Yes	No	X NA
Were there any vehicles which were not tarped?					* Yes	No	X NA
Were there any vehicles which were not decontaminated prior to exiting the work site?					* Yes	No	X NA
Subcontractor Personnel and Equipment							
Individual	Company		Trade		Total Hours		
N/A							
Equipment Description	Contractor/Vendor		Quantity	Used			
Zero-turn Mower	Sunbelt Rentals		1	Yes			
Handheld Brush Cutter	Sunbelt Rentals		1	Yes			
Heron 200' Interface Probe	Pine		1	No			
RAE Systems MultiRAE Five-Gas	Pine		1	Yes			

DAILY INSPECTION REPORT - No. 001
North Lawrence Oil Dump, Site No. 645013

Page 2 of 7
Date: 10/03/2022

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*
N/A						
*On-Site scale for off-site shipment, delivery ticket for material received						
Equipment/Material Tracking Comments:						
PID was not provided with calibration gas. Used PID based on Pine's calibration performed 9/28/2022.						
Visitors to Site						
Name		Representing		Entered Exclusion/CRZ Zone		
N/A				Yes		No
				Yes		No
				Yes		No
Site Representatives						
Name			Representing			
Emily Fenner			EA Engineering			
Michael Miller			EA Engineering			
Project Schedule Comments						
None.						
Issues Pending						
Interaction with Public, Property Owners, Media, etc.						

Include (insert) figures with markups showing location of work and job progress

Post-Closure Site Inspection Checklist North Lawrence Oil Dump Site

Date: _____

Weather: _____

Personnel (Organization): _____

Instructions: Complete the checklist of visual evaluation items and then complete specific data items. Field measurements should be made with a cloth tape and noted on a site plan. Estimated measurements should be so noted. Attach hand sketches or photographs to the site plan to further define conditions or problems.

I. VISUAL EVALAUTION ITEMS

	<u>Acceptable</u>	<u>CONDITION: (Check)</u>		<u>REMARKS</u>
		<u>Not Acceptable</u>	<u>Action Required?</u> <u>Yes</u> <u>No</u>	
1) Vegetative Cover				
a) Disposal Cell	_____	_____	_____	_____
b) Lagoon	_____	_____	_____	_____
c) Wetland	_____	_____	_____	_____
2) Site Drainage				
a) Sediment Build-Up	_____	_____	_____	_____
b) Pooling or Ponding	_____	_____	_____	_____
c) Slope Integrity	_____	_____	_____	_____
d) Erosion Protection (Riprap, grout, vegetation)	_____	_____	_____	_____
e) Obstruction of Culverts	_____	_____	_____	_____
3) Condition of Access				
a) Road Condition	_____	_____	_____	_____
b) Gates/Locks/Signs	_____	_____	_____	_____
4) Integrity of Ground Water Monitoring Wells	_____	_____	_____	_____
5) Integrity of Cap				
a) Erosion Damage	_____	_____	_____	_____
b) Leachate Break- through	_____	_____	_____	_____
c) Settlement	_____	_____	_____	_____
6) Gas Venting System				
a) Vents free of obstructions	_____	_____	_____	_____
b) Gas readings (measure)	_____	_____	_____	_____
7) Other (e.g., Litter, Unauthorized Dumping, etc.)	_____	_____	_____	_____

II. SPECIFIC DATA ITEMS (Write N.A. if not applicable)

A. Erosion and Settlement:

1) Approximate size in feet of eroded cap area(s). (List Separately)

a. _____ feet by _____ feet

b. _____ feet by _____ feet

c. _____ feet by _____ feet

2) How deep is the most extreme point of erosion when measured from the adjacent surface. (List Separately)

a. _____ feet

b. _____ feet

c. _____ feet

Figure 3-1

Post-Closure Site Inspection Checklist
North Lawrence Oil Dump Site
(continued)

- 3) Approximate size in feet of eroded areas outside the soil cap area such as drainage ditches, roads or slopes. _____
- 4) Attach a hand sketch or photograph to be attached to this report, showing location(s) of the eroded area(s). Identify each area by using the letter a, b, c, etc. from Question 1.
- 5) Approximate size in feet of leachate breakout(s). (List Separately)
- a. _____ feet by _____ feet NA
- b. _____ feet by _____ feet
- c. _____ feet by _____ feet
- 6) Approximate size in feet of any settlement area within the soil cap area. (List Separately)
- a. _____ feet by _____ feet NA
- b. _____ feet by _____ feet
- c. _____ feet by _____ feet
- 7) Approximate depth of each settlement area when measured from the adjacent surface. (List Separately)
- a. _____ feet NA
- b. _____ feet
- c. _____ feet
- 8) Attach a hand sketch or photograph to the attached site plan showing the location of the settlement area(s). Identify each area by using letter a, b, or c, etc. from Question 6.



Signature of Inspector(s)

Attachments

_____ Yes ☒ No

Site Photographs (Descriptions Below)	
	
Landfill cell before mowing.	Top of landfill cap after mowing
	
Remnants of beehive on gas vent	Mowed landfill cap (looking SE)
	
Cedar tree and bush growing along fenceline (removed)	Bushes growing along fenceline (removed)



View of wetland and lagoon (looking SW)

Water pooling in lagoon area

Comments

Ground is saturated on the northern, western, and southern borders of the landfill cell. General site condition is good.

Landfill gas vents were screened using RAE Systems MultiRAE five-gas meter for volatile organic compounds (VOCs) and Flammable gases (LEL). All VOC and LEL readings were 0.0 ppm and 0%, respectively.

Site Inspector(s): Emily Fenner, Michael Miller

Date: 10/03/2022

Videos of discreet operations have been provided to the DEC Project Manager to facilitate understanding of the ongoing work? Yes ☐

DAILY HEALTH CHECKLIST

Is social distancing being practiced?	Yes ☒	No ☐
Is the tail gate safety meeting held outdoors?	Yes ☒	No ☐
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☒	No ☐
Were personal protective gloves, masks, and eye protection being used?	Yes ☒	No ☐
Are sanitizing wipes, wash stations or spray available?	Yes ☒	No ☐
Have any workers/visitors been excluded based on close contact with individuals diagnosed with COVID-19, have recently traveled to restricted areas or countries, or are symptomatic (fever, chills, cough/shortness of breath)?	Yes ☒	No ☐
<u>Comments:</u> 		

REMEDIAL ACTIVITIES AT PROPERTIES

1. Have anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
2. Is anyone at this location isolated or quarantined for COVID-19?	Yes ☐	No ☒
3. Has anyone at this locaton had contact with anyone known to have COVID-19 in the past 14 days?	Yes ☐	No ☒
4. Does anyone at this locaton have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
5. Does the Department and its contractors have your permission to enter the property at this time?	Yes ☐	No ☒
If Yes to <u>any</u> of 1-4 above: - If it is <u>not</u> critical that service/entry be carried out immediately and can be postponed until the risk of COVID-19 is lower, or can be accomplished remotely/without entry, postpone or conduct service without entry. - If it <u>is</u> critical that service/entry be carried out immediately, advise occupants that as a precaution and for our own protection, project personnel will be donning appropriate PPE* (including respiratory protection) - and do so prior to entry.	Yes ☐	No ☐
<u>Comments:</u> 		

ON-SITE WASTE STORAGE

Drums, roll offs and piles are staged in secure areas?	Yes ☐	No ☐	N/A ☒
Liners and berms have been installed if necessary to prevent cross contamination of clean areas?	Yes ☐	No ☐	N/A ☒
Containers are in good condition or properly overpacked?	Yes ☐	No ☐	N/A ☒
Waste materials are scheduled to be properly characterized and disposed of prior to demobilization?	Yes ☐	No ☐	N/A ☒
Complying with RCRA 90 day storage limitation for hazardous waste?	Yes ☐	No ☐	N/A ☒
Piles are securely covered when not in use?	Yes ☐	No ☐	N/A ☒
Containers are closed when not in use?	Yes ☐	No ☐	N/A ☒
Staging areas should be inspected periodically and any issues addressed immediately?	Yes ☐	No ☐	N/A ☒
Signage and labeling comply with RCRA requirements for all staging areas and containers?	Yes ☐	No ☐	N/A ☒
If any issues noted, has Contractor been notified?	Yes ☐	No ☐	N/A ☒
<u>Comments:</u>			

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☒	N/A ☐
Were there any odors detected on this date?	Yes ☐	No ☐	N/A ☒
Was noise outside specification and/or above background on this date?	Yes ☐	No ☐	N/A ☒
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☐	N/A ☒
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☐	N/A ☒
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A ☒
Was turbidity checked at the outfall(s)?	AM ☐	PM ☐	N/A ☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☐	N/A ☒
Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A ☒
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A ☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A ☒
<u>Comments:</u>			

RESILIENCE/GREEN REMEDIATION CHECKLIST

Is site power procured from renewable energy sources (e.g., solar, wind, geothermal, biomass and biogas)?	Yes ☐	No ☐	N/A ☒
Is the Contractor employing 2007 or newer or retrofitted (BART*) diesel on-road trucks and non-road equipment?	Yes ☐	No ☐	N/A ☒
Is vehicle idling adequately reduced per 6NYCRR Part 217-3?	Yes ☒	No ☐	N/A ☐
Have equipment operators been trained in the idling requirements of 6NYCRR Part 217-3?	Yes ☒	No ☐	N/A ☐
Is BART-equipped equipment properly maintained and working?	Yes ☐	No ☐	N/A ☒
Is work being sequenced to avoid double handling?	Yes ☐	No ☐	N/A ☒
Is there an onsite recycling program for CONTRACTOR-generated wastes and is it complied with?	Yes ☐	No ☐	N/A ☒
Are office trailer heating and cooling systems maintained at efficient set points, have programable thermostats been installed?	Yes ☐	No ☐	N/A ☒
Are products and materials used in performance of the work appropriately certified (e.g., LEED, Energy Star, Sustainable Forestry Initiative®, etc.)?	Yes ☐	No ☐	N/A ☒
Are resiliency features included in the design, or completed remedy properly installed and/or maintained (flood control, storm water controls, erosion measures, etc.)?	Yes ☐	No ☐	N/A ☒
Are green remediation elements included in the design, or completed remedy properly installed and/or maintained (e.g., porous pavement, geothermal, variable speed drives, native plantings, natural stream bank restoration, etc.)?	Yes ☐	No ☐	N/A ☒
Has Contractor been notified of any deficiencies?	Yes ☐	No ☐	N/A ☒
<u>Comments:</u> 			

* BART – Best Available Retrofit Technology

Post-Closure Site Inspection Checklist North Lawrence Oil Dump Site

Date: _____

Weather: _____

Personnel (Organization): _____

Instructions: Complete the checklist of visual evaluation items and then complete specific data items. Field measurements should be made with a cloth tape and noted on a site plan. Estimated measurements should be so noted. Attach hand sketches or photographs to the site plan to further define conditions or problems.

I. VISUAL EVALAUTION ITEMS

	<u>Acceptable</u>	<u>CONDITION: (Check)</u>		<u>REMARKS</u>
		<u>Not Acceptable</u>	<u>Action Required?</u> <u>Yes</u> <u>No</u>	
1) Vegetative Cover				
a) Disposal Cell	_____	_____	_____	_____
b) Lagoon	_____	_____	_____	_____
c) Wetland	_____	_____	_____	_____
2) Site Drainage				
a) Sediment Build-Up	_____	_____	_____	_____
b) Pooling or Ponding	_____	_____	_____	_____
c) Slope Integrity	_____	_____	_____	_____
d) Erosion Protection (Riprap, grout, vegetation)	_____	_____	_____	_____
e) Obstruction of Culverts	_____	_____	_____	_____
3) Condition of Access				
a) Road Condition	_____	_____	_____	_____
b) Gates/Locks/Signs	_____	_____	_____	_____
4) Integrity of Ground				
Water Monitoring Wells	_____	_____	_____	_____
5) Integrity of Cap				
a) Erosion Damage	_____	_____	_____	_____
b) Leachate Break-through	_____	_____	_____	_____
c) Settlement	_____	_____	_____	_____
6) Gas Venting System				
a) Vents free of obstructions	_____	_____	_____	_____
b) Gas readings (measure)	_____	_____	_____	_____
7) Other (e.g., Litter, Unauthorized Dumping, etc.)	_____	_____	_____	_____

II. SPECIFIC DATA ITEMS (Write N.A. if not applicable)

A. Erosion and Settlement:

1) Approximate size in feet of eroded cap area(s). (List Separately)

a. _____ feet by _____ feet

b. _____ feet by _____ feet

c. _____ feet by _____ feet

2) How deep is the most extreme point of erosion when measured from the adjacent surface. (List Separately)

a. _____ feet

b. _____ feet

c. _____ feet

Figure 3-1

Post-Closure Site Inspection Checklist
North Lawrence Oil Dump Site
(continued)

- 3) Approximate size in feet of eroded areas outside the soil cap area such as drainage ditches, roads or slopes. _____
- 4) Attach a hand sketch or photograph to be attached to this report, showing location(s) of the eroded area(s). Identify each area by using the letter a, b, c, etc. from Question 1.
- 5) Approximate size in feet of leachate breakout(s). (List Separately)
- a. _____ feet by _____ feet NA
- b. _____ feet by _____ feet
- c. _____ feet by _____ feet
- 6) Approximate size in feet of any settlement area within the soil cap area. (List Separately)
- a. _____ feet by _____ feet NA
- b. _____ feet by _____ feet
- c. _____ feet by _____ feet
- 7) Approximate depth of each settlement area when measured from the adjacent surface. (List Separately)
- a. _____ feet NA
- b. _____ feet
- c. _____ feet
- 8) Attach a hand sketch or photograph to the attached site plan showing the location of the settlement area(s). Identify each area by using letter a, b, or c, etc. from Question 6.



Signature of Inspector(s)

Attachments

_____ Yes ☒ No

50NYSDEC Division of Environmental Remediation		 NEW YORK STATE OF OPPORTUNITY		Department of Environmental Conservation		Contract No. DEC Insp. – DEC PM – Evelyn Hussey Engineer PM – Michael Miller Engineer Insp. – Alex Stoogenke	
Site Location: North Lawrence, NY							
Weather Conditions							
General Description	Sunny	AM	Sunny	PM			
Temperature	45 F	AM	52 F	PM			
Wind	10-15 mph	AM	10-15 mph	PM			
Health & Safety							
If any box below is checked “Yes”, provide explanation under “Health & Safety Comments”.							
Were there any changes to the Health & Safety Plan?					*Yes	No	X NA
Were there any exceedances of the perimeter air monitoring reported on this date?					*Yes	No	X NA
Were there any nuisance issues reported/observed on this date?					*Yes	No	X NA
Health & Safety Comments							
Health & Safety Meeting topic: PPE and exercising caution while working with landscaping equipment.							
Summary of Work Performed		Arrived at site:	1110	Departed Site:	1520		
1000 EA (M. Miller and A. Stoogenke) arrives onsite. 1015 M. Miller begins site inspection, A. Stoogenke begins mowing landfill cell. 1100 Site inspection complete. M. Miller begins trimming fenceline and cutting down small trees within and on the fenceline. 1300 Mowing/brush cutting complete. Begin loading equipment. 1315 EA off-site.							
Equipment/Material Tracking							
If any box below is checked “Yes”, provide explanation under “Material Tracking Comments”.							
Were there any vehicles which did not display proper D.O.T numbers and placards?					*Yes	No	X NA
Were there any vehicles which were not tarped?					* Yes	No	X NA
Were there any vehicles which were not decontaminated prior to exiting the work site?					* Yes	No	X NA
Subcontractor Personnel and Equipment							
Individual		Company		Trade		Total Hours	
N/A							
Equipment Description		Contractor/Vendor			Quantity	Used	
Zero-turn Mower		Sunbelt Rentals			1	Yes	
Handheld Brush Cutter		EA			1	Yes	
Material Description		Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*
N/A							

*On-Site scale for off-site shipment, delivery ticket for material received			
Equipment/Material Tracking Comments:			
Visitors to Site			
Name	Representing	Entered Exclusion/CRZ Zone	
N/A		Yes	No
		Yes	No
		Yes	No
Site Representatives			
Name	Representing		
Alex Stoogenke	EA Engineering		
Michael Miller	EA Engineering		
Project Schedule Comments			
None.			
Issues Pending			
Interaction with Public, Property Owners, Media, etc.			

Include (insert) figures with markups showing location of work and job progress

Site Photographs (Descriptions Below)	
	
Landfill cell before mowing.	Top of landfill cap with gooseneck before mowing
	
Mowing landfill cell	Wetland area (Site Inspection), no issues observed.
	
Landfill cap with goose neck post mowing	Landfill cap after mowing

Comments	
General site condition is good.	
Site Inspector(s): Emily Fenner, Michael Miller	Date: 11/03/2023

Videos of discreet operations have been provided to the DEC Project Manager to facilitate understanding of the ongoing work? Yes ☐

DAILY HEALTH CHECKLIST

Is social distancing being practiced?	Yes ☒	No ☐
Is the tail gate safety meeting held outdoors?	Yes ☒	No ☐
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☒	No ☐
Were personal protective gloves, masks, and eye protection being used?	Yes ☒	No ☐
Are sanitizing wipes, wash stations or spray available?	Yes ☒	No ☐
Have any workers/visitors been excluded based on close contact with individuals diagnosed with COVID-19, have recently traveled to restricted areas or countries, or are symptomatic (fever, chills, cough/shortness of breath)?	Yes ☒	No ☐
<u>Comments:</u> 		

REMEDIAL ACTIVITIES AT PROPERTIES

1. Have anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
2. Is anyone at this location isolated or quarantined for COVID-19?	Yes ☐	No ☒
3. Has anyone at this locaton had contact with anyone known to have COVID-19 in the past 14 days?	Yes ☐	No ☒
4. Does anyone at this locaton have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
5. Does the Department and its contractors have your permission to enter the property at this time?	Yes ☐	No ☒
If Yes to <u>any</u> of 1-4 above: - If it is <u>not</u> critical that service/entry be carried out immediately and can be postponed until the risk of COVID-19 is lower, or can be accomplished remotely/without entry, postpone or conduct service without entry. - If it <u>is</u> critical that service/entry be carried out immediately, advise occupants that as a precaution and for our own protection, project personnel will be donning appropriate PPE* (including respiratory protection) - and do so prior to entry.	Yes ☐	No ☐
<u>Comments:</u> 		

ON-SITE WASTE STORAGE

Drums, roll offs and piles are staged in secure areas?	Yes ☐	No ☐	N/A ☒
Liners and berms have been installed if necessary to prevent cross contamination of clean areas?	Yes ☐	No ☐	N/A ☒
Containers are in good condition or properly overpacked?	Yes ☐	No ☐	N/A ☒
Waste materials are scheduled to be properly characterized and disposed of prior to demobilization?	Yes ☐	No ☐	N/A ☒
Complying with RCRA 90 day storage limitation for hazardous waste?	Yes ☐	No ☐	N/A ☒
Piles are securely covered when not in use?	Yes ☐	No ☐	N/A ☒
Containers are closed when not in use?	Yes ☐	No ☐	N/A ☒
Staging areas should be inspected periodically and any issues addressed immediately?	Yes ☐	No ☐	N/A ☒
Signage and labeling comply with RCRA requirements for all staging areas and containers?	Yes ☐	No ☐	N/A ☒
If any issues noted, has Contractor been notified?	Yes ☐	No ☐	N/A ☒
<u>Comments:</u>			

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☒	N/A ☐
Were there any odors detected on this date?	Yes ☐	No ☐	N/A ☒
Was noise outside specification and/or above background on this date?	Yes ☐	No ☐	N/A ☒
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☐	N/A ☒
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☐	N/A ☒
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A ☒
Was turbidity checked at the outfall(s)?	AM ☐	PM ☐	N/A ☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☐	N/A ☒
Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A ☒
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A ☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A ☒
<u>Comments:</u>			

RESILIENCE/GREEN REMEDIATION CHECKLIST

Is site power procured from renewable energy sources (e.g., solar, wind, geothermal, biomass and biogas)?	Yes ☐	No ☐	N/A ☒
Is the Contractor employing 2007 or newer or retrofitted (BART*) diesel on-road trucks and non-road equipment?	Yes ☐	No ☐	N/A ☒
Is vehicle idling adequately reduced per 6NYCRR Part 217-3?	Yes ☒	No ☐	N/A ☐
Have equipment operators been trained in the idling requirements of 6NYCRR Part 217-3?	Yes ☒	No ☐	N/A ☐
Is BART-equipped equipment properly maintained and working?	Yes ☐	No ☐	N/A ☒
Is work being sequenced to avoid double handling?	Yes ☐	No ☐	N/A ☒
Is there an onsite recycling program for CONTRACTOR-generated wastes and is it complied with?	Yes ☐	No ☐	N/A ☒
Are office trailer heating and cooling systems maintained at efficient set points, have programable thermostats been installed?	Yes ☐	No ☐	N/A ☒
Are products and materials used in performance of the work appropriately certified (e.g., LEED, Energy Star, Sustainable Forestry Initiative®, etc.)?	Yes ☐	No ☐	N/A ☒
Are resiliency features included in the design, or completed remedy properly installed and/or maintained (flood control, storm water controls, erosion measures, etc.)?	Yes ☐	No ☐	N/A ☒
Are green remediation elements included in the design, or completed remedy properly installed and/or maintained (e.g., porous pavement, geothermal, variable speed drives, native plantings, natural stream bank restoration, etc.)?	Yes ☐	No ☐	N/A ☒
Has Contractor been notified of any deficiencies?	Yes ☐	No ☐	N/A ☒
<u>Comments:</u>			

* BART – Best Available Retrofit Technology

DAILY INSPECTION REPORT - No. 003
North Lawrence Oil Dump, Site No. 645013

Page 1 of 7
Date: 08/28/2024

50NYSDEC Division of Environmental Remediation		 NEW YORK STATE OF OPPORTUNITY		Department of Environmental Conservation		Contract No. DEC Insp. – DEC PM – Evelyn Hussey Engineer PM – Michael Miller Engineer Insp. – Moriah Gilkey	
Site Location: North Lawrence, NY							
Weather Conditions							
General Description	Cloudy	AM	Cloudy	PM			
Temperature	64 F	AM	70 F	PM			
Wind	5 mph	AM	5 mph	PM			
Health & Safety If any box below is checked “Yes”, provide explanation under “Health & Safety Comments”.							
Were there any changes to the Health & Safety Plan?					*Yes	No	X NA
Were there any exceedances of the perimeter air monitoring reported on this date?					*Yes	No	X NA
Were there any nuisance issues reported/observed on this date?					*Yes	No	X NA
Health & Safety Comments							
Health & Safety Meeting topic: PPE and exercising caution while working with landscaping equipment. Check for ticks during and after work.							
A Significant amount of Ground Hornet nests were discovered during work. Work was partially paused due to the ground hornets and a small portion of the landfill cover remains un-mowed. Future mowing is recommended to occur when the weather is cold enough to allow the hornets to go dormant.							
Summary of Work Performed		Arrived at site:	0900	Departed Site:	1400		
0900 EA (M. Gilkey, C. Derrick, and A. Stoogenke) arrives onsite. 0940 EA calibrated PIDs and Horibas 0950 EA begin a site wide gauging event and A. Stoogenke (EA) began mowing landfill. 1100 EA began purging and sampling monitoring wells. 1200 Ground hornets were discovered on the site cap in multiple places. EA considered this a safety risk contacted PM and confirmed that they could omit the portion of cover with ground hornets. EA completed site inspection. 1334 Sampling and brush clearing complete. Begin loading equipment. 1400 EA (M. Gilkey, C. Derrick, and A. Stoogenke) off-site.							
Equipment/Material Tracking If any box below is checked “Yes”, provide explanation under “Material Tracking Comments”.							
Were there any vehicles which did not display proper D.O.T numbers and placards?					*Yes	No	X NA
Were there any vehicles which were not tarped?					* Yes	No	X NA
Were there any vehicles which were not decontaminated prior to exiting the work site?					* Yes	No	X NA
Subcontractor Personnel and Equipment							
Individual	Company		Trade		Total Hours		
N/A							
Equipment Description	Contractor/Vendor			Quantity	Used		
Zero-turn Mower	Sunbelt Rentals			1	Yes		
Handheld Brush Cutter	EA			1	Yes		
Horiba	Pine Environmental			2	Yes		
Perri Pumps	Pine Environmental			2	Yes		
WLM	Pine Environmental			2	Yes		
Honeywell MiniRAE	Pine Environmental			2	Yes		

DAILY INSPECTION REPORT - No. 003
North Lawrence Oil Dump, Site No. 645013

Page 2 of 7
Date: 08/28/2024

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*
N/A						
*On-Site scale for off-site shipment, delivery ticket for material received						
Equipment/Material Tracking Comments:						
Visitors to Site						
Name		Representing		Entered Exclusion/CRZ Zone		
N/A				Yes		No
				Yes		No
				Yes		No
Site Representatives						
Name			Representing			
Alex Stoogenke			EA Engineering			
Moriah Gilkey			EA Engineering			
Cassandra Derrick			EA Engineering			
Project Schedule Comments						
None.						
Issues Pending						
Recommend future mowing of the landfill cell in the fall when pests are dormant. EA will evaluate return to site in 2024 to complete mowing, or if un-mowed portion can be managed in fall 2025.						
Interaction with Public, Property Owners, Media, etc.						

Include (insert) figures with markups showing location of work and job progress

Site Photographs (Descriptions Below)	
	
Sampling set up at MW-102B	Landfill cap after mowing (southeast corner looking west)
	
Landfill cap southwest corner looking east.	Gate to Landfill Cell.

	
Fenceline cleared of vegetation	Portion of northern slope left un-mowed

Comments	
General site conditions are good.	
Site Inspector(s): Moriah Gilkey	Date: 8/28/2024

Videos of discreet operations have been provided to the DEC Project Manager to facilitate understanding of the ongoing work? Yes ☐

DAILY HEALTH CHECKLIST

Is social distancing being practiced?	Yes ☒	No ☐
Is the tail gate safety meeting held outdoors?	Yes ☒	No ☐
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☒	No ☐
Were personal protective gloves, masks, and eye protection being used?	Yes ☒	No ☐
Are sanitizing wipes, wash stations or spray available?	Yes ☒	No ☐
Have any workers/visitors been excluded based on close contact with individuals diagnosed with COVID-19, have recently traveled to restricted areas or countries, or are symptomatic (fever, chills, cough/shortness of breath)?	Yes ☒	No ☐
<u>Comments:</u>		

REMEDIAL ACTIVITIES AT PROPERTIES

1. Have anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
2. Is anyone at this location isolated or quarantined for COVID-19?	Yes ☐	No ☒
3. Has anyone at this locaton had contact with anyone known to have COVID-19 in the past 14 days?	Yes ☐	No ☒
4. Does anyone at this locaton have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
5. Does the Department and its contractors have your permission to enter the property at this time?	Yes ☐	No ☒
If Yes to <u>any</u> of 1-4 above: - If it is <u>not</u> critical that service/entry be carried out immediately and can be postponed until the risk of COVID-19 is lower, or can be accomplished remotely/without entry, postpone or conduct service without entry. - If it <u>is</u> critical that service/entry be carried out immediately, advise occupants that as a precaution and for our own protection, project personnel will be donning appropriate PPE* (including respiratory protection) - and do so prior to entry.	Yes ☐	No ☐
<u>Comments:</u>		

ON-SITE WASTE STORAGE

Drums, roll offs and piles are staged in secure areas?	Yes ☐	No ☐	N/A ☒
Liners and berms have been installed if necessary to prevent cross contamination of clean areas?	Yes ☐	No ☐	N/A ☒
Containers are in good condition or properly overpacked?	Yes ☐	No ☐	N/A ☒
Waste materials are scheduled to be properly characterized and disposed of prior to demobilization?	Yes ☐	No ☐	N/A ☒
Complying with RCRA 90 day storage limitation for hazardous waste?	Yes ☐	No ☐	N/A ☒
Piles are securely covered when not in use?	Yes ☐	No ☐	N/A ☒
Containers are closed when not in use?	Yes ☐	No ☐	N/A ☒
Staging areas should be inspected periodically and any issues addressed immediately?	Yes ☐	No ☐	N/A ☒
Signage and labeling comply with RCRA requirements for all staging areas and containers?	Yes ☐	No ☐	N/A ☒
If any issues noted, has Contractor been notified?	Yes ☐	No ☐	N/A ☒
<u>Comments:</u>			

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☒	N/A ☐
Were there any odors detected on this date?	Yes ☐	No ☐	N/A ☒
Was noise outside specification and/or above background on this date?	Yes ☐	No ☐	N/A ☒
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☐	N/A ☒
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☐	N/A ☒
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A ☒
Was turbidity checked at the outfall(s)?	AM ☐	PM ☐	N/A ☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☐	N/A ☒
Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A ☒
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A ☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A ☒
<u>Comments:</u>			

RESILIENCE/GREEN REMEDIATION CHECKLIST

Is site power procured from renewable energy sources (e.g., solar, wind, geothermal, biomass and biogas)?	Yes ☐	No ☐	N/A ☒
Is the Contractor employing 2007 or newer or retrofitted (BART*) diesel on-road trucks and non-road equipment?	Yes ☐	No ☐	N/A ☒
Is vehicle idling adequately reduced per 6NYCRR Part 217-3?	Yes ☒	No ☐	N/A ☐
Have equipment operators been trained in the idling requirements of 6NYCRR Part 217-3?	Yes ☒	No ☐	N/A ☐
Is BART-equipped equipment properly maintained and working?	Yes ☐	No ☐	N/A ☒
Is work being sequenced to avoid double handling?	Yes ☐	No ☐	N/A ☒
Is there an onsite recycling program for CONTRACTOR-generated wastes and is it complied with?	Yes ☐	No ☐	N/A ☒
Are office trailer heating and cooling systems maintained at efficient set points, have programable thermostats been installed?	Yes ☐	No ☐	N/A ☒
Are products and materials used in performance of the work appropriately certified (e.g., LEED, Energy Star, Sustainable Forestry Initiative®, etc.)?	Yes ☐	No ☐	N/A ☒
Are resiliency features included in the design, or completed remedy properly installed and/or maintained (flood control, storm water controls, erosion measures, etc.)?	Yes ☐	No ☐	N/A ☒
Are green remediation elements included in the design, or completed remedy properly installed and/or maintained (e.g., porous pavement, geothermal, variable speed drives, native plantings, natural stream bank restoration, etc.)?	Yes ☐	No ☐	N/A ☒
Has Contractor been notified of any deficiencies?	Yes ☐	No ☐	N/A ☒
<u>Comments:</u> 			

* BART – Best Available Retrofit Technology

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Appendix D

Field Observations and Reports

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MONITORING WELL GAUGING LOG

Inspector(s): M. Gilkey, C. Derrick, A. Stoggenbee

Weather Conditions: 64°F; Cloudy

Site Name: North Lawrence oil dump

Date/Time: 8/28/2024

[illegible]



EA Engineering, P.C.
EA Science and Technology



Department of
Environmental
Conservation

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: <u>MW-303</u>	EA Personnel: <u>M. Gilkey</u>	Client: <u>NYSDEC (#645013)</u>
Location: <u>Konkashong (588914) Nanantawence Oil Pump</u>	Well Condition: <u>Good</u>	Weather: <u>65°F, Sunny</u>
Sounding Method: <u>Hydro-wire</u>	Gauge Date: <u>8-28-2014</u>	Measurement Ref: <u>TOIC</u>
Stick Up/Down (ft): <u>~3.5 ft</u>	Gauge Time: <u>12:00:00</u>	Well Diameter (in): <u>2" PVC</u>

Purge Date: <u>8/28/14</u>	Purge Time: <u>1206</u>
Purge Method: <u>Low flow peristaltic pump</u>	Field Technician: <u>M. Gilkey / C. Durr / A. Strogan</u>

Well Volume

A. Well Depth (ft): <u>18.10</u>	D. Well Volume (ft): <u>0.163</u>	Depth/Height of Top of PVC:
B. Depth to Water (ft): <u>4.79</u>	E. Well Volume (gal) C*D): <u>2.17</u>	Pump Type: <u>Peristaltic Pump</u>
C. Liquid Depth (ft) (A-B): <u>13.31</u>	F. Three Well Volumes (gal) (E3): <u>6.51</u>	Pump Intake Depth: <u>~13 ft BTOC</u>

Water Quality Parameters

Time (hrs) 3-5 min	Temperature (°C) ± 1 °C	pH (pH units) ± 0.1 pH	ORP (mV) ± 10 mV	Conductivity (S/m) ± 3%	Turbidity (ntu) ± 10 NTUs	DO (mg/L) ± 10% / <0.5	DTW (ft btoc) ± 0.3 feet	Rate (Lpm) 0.1-0.5 Lpm	Volume (liters)
1206	18.30	6.94	46	0.496	52.2	1.93	4.82	0.75	0.0
1209	17.71	6.90	36	0.503	21.0	0.50	4.93		0.75
1212	17.61	6.78	35	0.507	18.1	0.33	5.01		1.50
1215	17.59	6.79	33	0.510	14.2	0.20	5.05		2.25
1218	17.56	6.80	31	0.513	11.1	0.09	5.07		3.0
1221	17.57	6.80	29	0.517	7.8	0.03	5.07		3.75
1224	17.53	6.82	25	0.521	1.8	0.00	5.08		4.50
1227	17.49	6.83	23	0.522	1.6	0.0	5.08		5.25
1230	17.50	6.82	23	0.521	1.4	0.0	5.09		6.0
1233	17.45	6.82	20	0.522	0.0	0.0	5.11		6.75
1236	17.45	6.83	18	0.523	0.0	0.0	5.11		7.50
1239	17.45	6.84	15	0.524	0.0	0.0	5.11		8.25

Total Quantity of Water Removed (gal): <u>8.25L</u>	Sampling Time: <u>1239</u>
Samplers: <u>M. Gilkey</u>	Split Sample With: <u>FD-01</u>
Sampling Date: <u>8/28/14</u>	Sample Type: <u>Grab</u>

COMMENTS AND OBSERVATIONS:

Sample ID: 645013-MW-303-20240828
Analysis: VOCs 9760

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-301	EA Personnel: M. Gilkey	Client: NYSDEC (site #645013)
Location: #649 Normanville oil dump	Well Condition: Good	Weather:
Sounding Method: Heronium	Gauge Date: 08/28	Measurement Ref: TOIC
Stick Up/Down (ft): ~ 3.5 ft	Gauge Time: 0930	Well Diameter (in): 2" PVC

Purge Date:	8/28/2024	Purge Time:	1110
Purge Method:	Low flow sampling	Field Technician:	M. Wilkey / A. Stoenke / C. Derrick

Well Volume

A. Well Depth (ft): 17.79	D. Well Volume (ft): 0.1163	Depth/Height of Top of PVC: _____
B. Depth to Water (ft): 4.14	E. Well Volume (gal) C*D): 2.22	Pump Type: Peristaltic Pump
C. Liquid Depth (ft) (A-B): 13.65	F. Three Well Volumes (gal) (E3): 6.67	Pump Intake Depth: ~ 12 ft b TOC

Water Quality Parameters

[illegible]

Total Quantity of Water Removed (gal):	7.50 L	Sampling Time:	B 1139
Samplers:	M. Gulkey / C. Demick	Split Sample With:	MS/MSD
Sampling Date:	08/28/2024	Sample Type:	GRAB

COMMENTS AND OBSERVATIONS:

Sample ID: 1645013-mw-301-20210828
Analysis: VOCs SL60



EA Engineering, P.C.
EA Science and Technology



Department of
Environmental
Conservation

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-302	EA Personnel: A. Stogersen, C. Derrick, M. Gilkey	Client: NYSDEC 655031 (645013)
Location: North Lawrence	Well Condition: good	Weather: 64°F, cloudy
Sounding Method: Heron WLM	Gauge Date: 8/28/2024	Measurement Ref: TOIC
Stick Up/Down (ft): ~4 ft	Gauge Time: 1000	Well Diameter (in): 2"

Purge Date: 8/28/2024	Purge Time: 1107
Purge Method: low flow peristaltic pump	Field Technician: C. Derrick

Well Volume

A. Well Depth (ft): 17.98	D. Well Volume (ft): 0.163	Depth/Height of Top of PVC: ~4 in
B. Depth to Water (ft): 4.00	E. Well Volume (gal) C*D): 2.28	Pump Type: peristaltic pump
C. Liquid Depth (ft) (A-B): 13.98	F. Three Well Volumes (gal) (E3): 6.84	Pump Intake Depth: mid-screen

Water Quality Parameters

Time (hrs)	Temperature (oC)	pH (pH units)	ORP (mV)	Conductivity (S/m) $\pm 3\%$	Turbidity (ntu) $\pm 10\%$	DO (mg/L)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
1107	17.99	6.56	-70	0.751	89.7	2.53	4.74	0.25	—
1110	17.90	6.75	-148	0.687	36.5	1.02	5.48		0.75
1113	16.12	6.80	-188	0.684	22.0	0.49	5.90		1.50
1116	15.98	6.83	-204	0.679	25.9	0.29	5.93		2.25
1119	15.97	6.85	-215	0.674	38.3	0.22	5.95		3.00
1122	15.95	6.87	-221	0.671	39.3	0.34	5.95		3.75
1125	16.02	6.88	-224	0.668	53.9	0.32	5.97		4.50
1128	16.09	6.89	-226	0.657	76.6	0.28	5.98		5.25
1131	16.19	6.91	-224	0.640	72.8	0.25	5.98		6.00
1134	16.24	6.92	-219	0.623	53.6	0.24	5.97		6.75
1137	16.32	6.92	-215	0.615	47.3	0.27	5.98		7.50
1140	16.33	6.92	-214	0.613	39.9	0.28	5.98		8.25
1143	16.31	6.92	-212	0.613	21.5	0.29	6.01		9.00
1146	16.22	6.91	-212	0.615	10.6	0.26	6.04		9.75
1149	16.21	6.91	-212	0.616	10.5	0.24	6.12		10.50
1152	16.16	6.90	-212	0.618	9.7	0.22	6.18		11.25
SAMPLE									

Total Quantity of Water Removed (gal): 2.97 gal	Sampling Time: 1152
Samplers: C. Derrick	Split Sample With: X
Sampling Date: 8/28/2024	Sample Type: grab

COMMENTS AND OBSERVATIONS:

PID = 0.0 ppm
Analysis: VOCs
SAMPLE ID: 645013-MW-302-20240828



EA Engineering, P.C.
EA Science and Technology



Department of
Environmental
Conservation

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: <u>MW-102A</u>	EA Personnel: <u>A. Stoenke/ C. Derrick/M. Gilkey</u>	Client: <u>NYSDEC (645013)</u>
Location: <u>North Lawrence</u>	Well Condition: <u>Good</u>	Weather: <u>64°F, cloudy</u>
Sounding Method: <u>Heon WLM</u>	Gauge Date: <u>8/28/2024</u>	Measurement Ref: <u>TOIC</u>
Stick Up/Down (ft): <u>~2.5 ft</u>	Gauge Time: <u>1000</u>	Well Diameter (in): <u>2"</u>

Purge Date: <u>8/28/2024</u>	Purge Time: <u>1211</u>
Purge Method: <u>low flow peristaltic pump</u>	Field Technician: <u>C. Derrick</u>

Well Volume

A. Well Depth (ft): <u>42.04</u>	D. Well Volume (ft): <u>0.163</u>	Depth/Height of Top of PVC: <u>~4 in</u>
B. Depth to Water (ft): <u>6.91</u>	E. Well Volume (gal) C*D): <u>5.71</u>	Pump Type: <u>peristaltic pump</u>
C. Liquid Depth (ft) (A-B): <u>35.05</u>	F. Three Well Volumes (gal) (E3): <u>17.14</u>	Pump Intake Depth: <u>mid-screen</u>

Water Quality Parameters

Time (hrs)	Temperature (oC)	pH (pH units)	ORP (mV)	Conductivity (S/m)	Turbidity (ntu)	DO (mg/L)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
1211	18.86	7.32	-68	0.453	57.7	3.40	6.78	0.25	—
1214	18.40	7.41	-156	0.445	35.6	0.83	7.43		0.75
1217	18.21	7.41	-164	0.447	37.1	0.86	7.75		1.50
1220	17.98	7.41	-174	0.450	36.0	0.58	8.08		2.25
1223	17.81	7.41	-180	0.449	40.7	0.35	8.36		3.00
1226	17.65	7.42	-184	0.448	44.2	0.25	8.75		3.75
1229	17.55	7.43	-186	0.447	40.2	0.17	8.86		4.50
1232	17.48	7.43	-187	0.449	39.6	0.17	8.93		5.25
1235	17.46	7.43	-187	0.450	37.2	0.16	8.99		6.00
1238	17.49	7.43	-188	0.450	32.5	0.16	9.12		6.75
1241	17.46	7.44	-189	0.449	25.1	0.16	9.26		7.50
1244	17.37	7.44	-190	0.446	24.5	0.14	9.31		8.25
1247	17.35	7.45	-192	0.444	23.5	0.11	9.35		9.00
1250	17.32	7.45	-193	0.445	22.3	0.11	9.40		9.75
SAMPLE									

Total Quantity of Water Removed (gal): <u>2.58 gal</u>	Sampling Time: <u>1250</u>
Samplers: <u>C. Derrick</u>	Split Sample With: <u>X</u>
Sampling Date: <u>8/28/2024</u>	Sample Type: <u>grab</u>

COMMENTS AND OBSERVATIONS:

PID: 0.0 ppm

Analysis: VOCs

Sample ID: 645013-MW-102A-20240828



EA Engineering, P.C.
EA Science and Technology



Department of
Environmental
Conservation

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-102B	EA Personnel: A. Stojanek/ C. Derrick/M. Gilkey	Client: NYSDEC (645013)
Location: North Lawrence	Well Condition: good	Weather: 64°F, cloudy
Sounding Method: Heron WLM	Gauge Date: 8/28/2024	Measurement Ref: TOIC
Stick Up/Down (ft): ~ 2.5 ft	Gauge Time: 1000	Well Diameter (in): 2"

Purge Date: 8/28/2024	Purge Time: 1304
Purge Method: low-flow peristaltic pump	Field Technician: C. Derrick

Well Volume

A. Well Depth (ft): 42.04 (C) 11.81	D. Well Volume (ft): 0.163	Depth/Height of Top of PVC: ~ 6 in
B. Depth to Water (ft): 6.99 (C) 5.90	E. Well Volume (gal) (C/D): 5.71 (C) 0.96	Pump Type: peristaltic pump
C. Liquid Depth (ft) (A-B): 5.91 42.04 (C) 35.03	F. Three Well Volumes (gal) (E3): 17.44 (C) 2.89	Pump Intake Depth: mid-screen

Water Quality Parameters

Time (hrs)	Temperature (oC)	pH (pH units)	ORP (mV)	Conductivity (S/m)	Turbidity (ntu)	DO (mg/L)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
1304	17.73	7.58	-23	0.243	8.2	4.33	5.96	0.25	—
1307	17.59	7.26	-5	0.243	5.5	4.07	5.96		0.75
1310	17.67	7.12	7	0.238	0.0	3.48	5.96		1.50
1313	17.77	7.03	16	0.237	0.0	3.53	5.96		2.25
1316	17.82	6.97	25	0.239	0.0	3.44	5.96		3.00
1319	17.84	6.96	28	0.239	0.0	3.34	5.96		3.75
1322	17.87	6.94	33	0.240	0.0	3.49	5.96		4.50
1325	17.89	6.91	41	0.241	0.0	3.45	5.96		5.25
1328	17.88	6.89	44	0.241	0.0	3.40	6.00		6.00
1331	17.90	6.88	48	0.242	0.0	3.31	6.00		6.75
1334	17.90	6.87	51	0.242	0.0	3.30	6.00		7.50
— SAMPLE —									

Total Quantity of Water Removed (gal): 1.98 gal	Sampling Time: 1334
Samplers: C. Derrick	Split Sample With: X
Sampling Date: 08/28/2024	Sample Type: grab

COMMENTS AND OBSERVATIONS:

PID = 0.0 ppm
Analysis: VOCs
SAMPLE ID: 645013-MW-102B-20240828

FIELD CALIBRATION FORM
Horiba U-52
pH, CONDUCTIVITY, AND TURBIDITY

CALIBRATION
DATE: 8/28/2024
TIME: 1029
METER ID: 21158

pH CALIBRATION

pH STANDARD	INITIAL READING	FINAL READING
4.0	4.18	3.97

CONDUCTIVITY CALIBRATION

CONDUCTIVITY STANDARD	STANDARD READING	FINAL READING
4.49	4.43	4.47

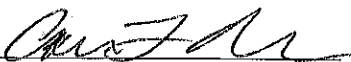
TURBIDITY CALIBRATION

STANDARD	INITIAL READING	FINAL READING
0 NTU	6.3	14.4

COMMENTS

None

SIGNATURE



FIELD CALIBRATION FORM
Horiba U-52
pH, CONDUCTIVITY, AND TURBIDITY

CALIBRATION	
DATE:	8.28.2024
TIME:	
METER ID:	21299

pH CALIBRATION

pH STANDARD	INITIAL READING	FINAL READING
4.0	5.02	4.00

CONDUCTIVITY CALIBRATION

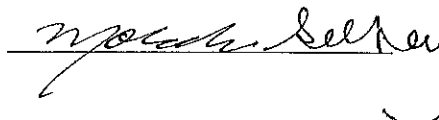
CONDUCTIVITY STANDARD	STANDARD READING	FINAL READING
4.49	4.79	4.80

TURBIDITY CALIBRATION

STANDARD	INITIAL READING	FINAL READING
0 NTU	0.0	0.0

COMMENTS

SIGNATURE



FIELD CALIBRATION FORM

Site Name: North Lawrence Oil Damp

INSTRUMENT: Honeywell MinRAE 3000+		INSTRUMENT ID No: 045:55	
OPERATOR: M. Wilkey		WEATHER: 64F, Cloudy	
SPAN GAS TYPE: Isobutylene		DATE: 08/28/2024	
CALIBRATION NOTES:			
Span 103.7 ppm			
Zero: 0.0 ppm			
COMMENTS:			
SIGNATURE:		DATE: 08/28/24	

FIELD CALIBRATION FORM

Site Name: North Lawrence Oil dump

[illegible]

36 North Lawrence Oil Dump (45013) 8.28.2024

WX: 64°F; Cloudy; (AM); 71°F Cloudy (PM)

0930 m. Gilkey, C. Derrick, & A. Stoogunke (EA)
onsite

0940 Calibrate Horibos & RKI & PIDs

0950 Begin site wide gauging check

1107 Begin purge of MW-302

1110 Begin purge of MW-301

1139 Sample MW-301 for VOCs (ms/msd)

1152 Sample MW-302 for VOCs

1206 Start purge of MW-303

1211 Start purge of MW-102A

1239 Sample MW-303 for VOCs EFD-01

~~1250~~ 1250 Sample MW-102A for VOCs

1304 Start purge MW-102B

1334 Sample MW-102B

1400 EA cleaned up site & offsite

↳ Front gate was unlocked when

EA arrived; EA left front gate
open on departure

~~W. Stoogunke~~ Gilkey
08.28.2024

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Appendix E

Data Usability Summary Report

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DATA VALIDATION REPORT

North Lawrence Oil Dump

SDG: 24H4216

Chemical Analyses Performed by:

Con-Test, A Pace Analytical Laboratory

Prepared by

ENVIRONMENTAL DATA SERVICES, LTD.

Prepared for

EA Engineering, Science and Technology, Inc.

October 21, 2024



DATA USABILITY SUMMARY REPORT FOR VOLATILES

PROJECT: North Lawrence Oil Dump

CLIENT: EA Engineering, Science, and Technology, Inc.

LABORATORY: Con-Test, A Pace Analytical Laboratory

SAMPLE DELIVERY GROUP: 24H4216

SAMPLE DATES: 08/28/2024

The above sample delivery group (SDG) consists of the following samples:

Client Sample ID	Laboratory Sample ID
645013-MW-301-20240828	24H4216-01
645013-MW-302-20240828	24H4216-02
645013-MW-303-20240828	24H4216-03
645013-MW-102A-20240828	24H4216-04
645013-MW-102B-20240828	24H4216-05
645013-FD-01-20240828	24H4216-06
645013-TB	24H4216-07

The samples described above were analyzed via USEPA SW-846 8260C to determine the concentrations of low/medium volatile organic analytes (VOAs).

Project specific quality assurance (QA) objectives, as well as the USEPA Region II SOP, Validating Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry SW-846 Method 8260B & 8260C, SOP NO. HW-24 Revision 4, September 2014 have been considered during validation of this data and its usability.

Table 1 provides a summary of major and minor data quality issues identified for this data set. All data are acceptable except those results which have been qualified with "R," rejected. Data validation qualifiers along with associated descriptions are provided in Table 2. All data qualification related to this group of samples is detailed on the attached sheets.

Per USEPA Region 2 Validation Guidance, "All data users should note two facts. First, the "R" flag means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the compound is present or not. "R" values should not appear on data tables even as a last resort. The second, no analyte concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data, but any value potentially contains error."

1. HOLDING TIME/SAMPLE HANDLING

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Proper sample handling and preservation also play a role in the chemical stability of analytes in the sample matrix. If samples are not collected and stored using proper containers and/or preservatives, data may not be valid.

The samples in this SDG were received by the laboratory within the proper temperature range as specified in the validation guidance.

The samples in this SDG were prepared and analyzed within the holding time specified in the validation guidelines.

2. BLANK CONTAMINATION

Quality assurance blanks include method, storage, trip, field, or rinse blanks. Blanks are prepared to identify any contamination, which may have been introduced into the samples during preparation and analysis or field activity. Method and storage blanks measure laboratory contamination. Trip blanks measure cross contamination during shipment. Field and rinse blanks measure cross contamination during field operations.

Method Blanks

Method blanks were prepared and analyzed in association with the samples in this SDG at the specified frequency. Upon examination of method blank data, no analyte was positively identified at a concentration equal to or above the method detection limit (MDL) in any associated method blank.

Storage Blanks

No storage blanks were submitted in association with this SDG.

Trip Blanks

Sample 645013-TB was submitted as a field blank in association with all samples in this SDG. The analyte acetone was positively detected in this field blank. The positive results reported for the analyte have been evaluated and qualified per validation guidance on this basis.

Field/Rinse Blanks

No sample was submitted as a field blank in association with all samples in this SDG.

3. MASS SPECTROMETER TUNING

Tuning and performance criteria are established to ensure adequate mass resolution, proper identification of compounds, and to some degree, sufficient instrument sensitivity. These criteria are not sample specific. Instrument performance is determined using standard materials. Therefore, these criteria should be met in all circumstances.

The tuning standard for volatiles is bromofluorobenzene (BFB).

All tunes associated with this SDG were fully compliant.

4. CALIBRATION

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative results. The initial calibration curve demonstrates that the instrument is capable of giving acceptable performance at the beginning of an analytical sequence. The continuing calibration verifies that the instrument is continuing to provide satisfactory daily performance. Additionally, a continuing calibration is analyzed at the end of each 12-hour analytical sequence, denoted as a "closing" calibration verification, and ascertains acceptable performance at the conclusion of the analytical sequence.

Response Factor

The relative response factor (RRF) measures the instruments responses to specific chemical compounds. The RRFs for the VOA target compound list (TCL) compounds must be greater than the RRFs listed in Region II validation guidelines. A value less than the respective criteria indicates serious detection and quantitation problems. If the mean RRF of the initial calibration or the continuing calibration RRF is below the specified limit for any analyte, those analytes detected in environmental samples will be qualified as estimated. All non-detects for those analytes will be rejected.

The RRF values in all initial and continuing calibrations for method 8260C were found to be acceptable in all cases.

Percent Relative Standard Deviation and Percent Deviation

Percent relative standard deviation (%RSD) is calculated from the initial calibration and is used to indicate stability of a specific compound over the calibration range. Percent deviation (%D) compares the response factor of the continuing calibration with the mean response factor of the initial calibration. Therefore, %D is a measure of the instrument's daily performance.

The following QC criteria have been applied for this project:

The %RSD of initial calibration must be $\leq 20\%$.

A %RSD value outside initial calibration limit indicates the potential for quantitation errors. For this reason, all positive results are qualified as estimated and non-detect results are qualified using professional judgement.

The %D for opening continuing calibration must be $\leq 30\%$ and all other continuing calibration %D must be $\leq 20\%$.

A value outside these limits indicates the potential for detection and quantitation errors. For these reasons, all positive results are qualified as "J," estimated, and non-detects are qualified with "UJ."

All initial calibration and continuing calibration %RSD and %D values were within defined QC criteria.

Please note, the laboratory did not perform closing continuing calibration verifications. Therefore, those criteria were not evaluated during validation. No qualification was applied on this basis.

5. INTERNAL STANDARDS PERFORMANCE

Internal standard performance criteria are meant to ensure that the gas chromatography/mass spectrometry (GC/MS) sensitivity and response are stable during every experimental run.

The internal standard area count must not vary by more than a factor of two from the associated continuing calibration standard. The retention time of the internal standard must not vary by more than +/- 30 seconds from the associated continuing calibration standard. The area count must be within -50% to +200% range of the associated standard. If area count is >200%, non-detected results are not qualified while positive results associated with the non-compliant internal standard are qualified "J," estimated. However, when an observed area count is <50%, positive results associated with the non-compliant are qualified "J," estimated, while non-detected results are rejected.

Internal standard area counts are within acceptance criteria for all samples.

6. SURROGATES

All samples are spiked with surrogate compounds prior to sample preparation and analyses to evaluate overall laboratory performance and efficiency of the analytical technique. The observed recovery must be within laboratory limits as outlined in the project specific validation guidance.

The reported sample analyses and method blank analyses had observed surrogate recoveries within the established acceptance limits in all cases.

7. COMPOUND IDENTIFICATION

Volatile

The project target analyte compounds are identified on the GC/MS by using the analytes relative retention time (RRT) and ion spectra. For the results to be a positive hit, the sample peak must be within ± 0.06 RRT units of the standard compound and have ion spectra which has a ratio of the primary and secondary ion intensities within 20% of that in the standard compound. In the cases where there is not an adequate ion spectrum match, the laboratory may have provided false positive identifications.

All samples were evaluated, and all identification criteria were met. Therefore, no analytes were qualified for compound identification.

Volatile Tentatively Identified Compounds

Tentatively Identified Compounds (TICs) were reported by the laboratory and reviewed for quality assurance. For all TIC results where there is presumptive evidence of a match, being greater than or equal to 85% match, the results are qualified "NJ," tentatively identified. If the non-target compound is reported as an unknown, the result is qualified "J," estimated. Likewise, if it is determined that the identification of a TIC is unacceptable, the tentative identification of the compound is changed to "unknown" and the result is qualified "J," estimated.

Volatile TICs were not reported.

8. MATRIX SPIKE/MATRIX SPIKE DUPLICATE

The matrix spike and matrix spike duplicate (MS/MSD) are generated to determine the precision and accuracy of the analytical procedure in a given sample matrix.

Sample 645013-MW-301-20240828 was submitted for MS/MSD evaluation in association with this sample delivery group (SDG). Upon evaluation precision and accuracy indicators were favorable or did not result in a need to qualify sample results with the following exceptions. The observed recoveries for the analytes listed in the table below were lower than the lowest acceptance limit during both the MS and MSD evaluations.

2-hexanone	naphthalene	1,2,4-trichlorobenzene
4-methyl-2-pentanone	1,2,3-trichlorobenzene	

The results reported for all analytes listed above in the parent sample were not detected and have been qualified "UJ" on this basis.

9. LABORATORY CONTROL SAMPLE/LABORATORY CONTROL SAMPLE DUPLICATE

The Laboratory Control Sample (LCS) is spiked with the same analytes at the same concentrations as the matrix spike. The LCS results are used to verify that the laboratory can perform the analysis in a clean matrix.

LCS evaluations were processed at the proper frequency. Upon evaluation all accuracy criteria were acceptable or did not require qualification of sample results with the following exceptions.

The observed recovery for carbon tetrachloride was lower than the lowest acceptance limits in the LCS and LCSD associated with all the samples in this SDG. The results for the impacted analyte in the associated samples were not detected and have been qualified "UJ" on this basis.

10. REPORTING

No dilutions, re-extractions, or re-analyses were present in this SDG.

11. OTHER QUALITY CONTROL DATA OUT OF SPECIFICATION

None.

12. FIELD DUPLICATE

Field duplicates are two (or more) field samples collected at the same time in the same location. Each of the samples represents the same population and is carried through all steps of the sampling and analytical procedures in an identical manner. Field duplicate results are used to assess precision of the total method, including sampling, analysis, and site heterogeneity.

Samples 645013-MW-303-20240828 and 645013-FD-01-20240828 were analyzed as a field duplicate pair in association with this SDG. Adequate field precision was demonstrated.

13. SYSTEM PERFORMANCE AND OVERALL ASSESSMENT

Overall, the laboratory data generated met the project goals and quality control criteria, with the exceptions identified in this report and as summarized in Table 1.

Table 1
Review Elements Summary

	Were acceptance criteria met?		
	Yes	No	
Volatiles		Major	Minor
Holding Time	x		
Method Blanks	x		
Storage Blanks	NA		
Trip Blanks			x
Field/Rinse Blanks	x		
Mass Spectrometer Tuning	x		
Calibration Response Factor	x		
Calibration Percent Relative Standard Deviation and Percent Difference	x		
Internal Standards	x		
Surrogates	x		
Compound Identification - Volatile	x		
Tentatively Identified Compounds - Volatile	NA		
Matrix Spike/Matrix Spike Duplicate			x
Laboratory Control Sample/Laboratory Control Sample Duplicate			x
Other Quality Control Data out of Specification	x		
Field Duplicate	x		

Major= Major data quality issue identified resulting in rejection of data.

Minor= Minor data quality issue identified resulting in the qualification of data. Data qualification should be used to inform the data users of data limitations.

NA = Not applicable

Table 2
Data Validation Qualifiers

Data Qualifier	Definition
U	The analyte was analyzed for but was not detected above the level of the reported sample quantitation limit.
J	The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
J+	The result is an estimated quantity, but the result may be biased high.
J-	The result is an estimated quantity, but the result may be biased low.
NJ	The analysis indicates the presence of an analyte that has been “tentatively identified” and the associated numerical value represents its approximate concentration.
UJ	The analyte was analyzed for but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control (QC) criteria. The analyte may or may not be present in the sample.

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Appendix F

Laboratory Analysis Report

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Data Package



ANALYTICAL. LIFE. SERVICE.

September 10, 2024

Evelyn Hussey
NYDEC_EA Engineering, Science & Tech. - NY
269 W. Jefferson Street
Syracuse, NY 13202

Project Location: North Lawrence, NY
Client Job Number:
Project Number: 645013
Laboratory Work Order Number: 24H4216

Enclosed are results of analyses for samples as received by the laboratory on August 30, 2024. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kyle K. Stuckey
Project Manager

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B384838	22
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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332NYDEC_EA Engineering, Science & Tech. - NY
269 W. Jefferson Street
Syracuse, NY 13202
ATTN: Evelyn Hussey

REPORT DATE: 9/10/2024

PURCHASE ORDER NUMBER: 152166

PROJECT NUMBER: 645013

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 24H4216

The results of analyses performed on the following samples submitted to CON-TEST, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: North Lawrence, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
645013-MW-301-20240828	24H4216-01	Ground Water		SW-846 8260D	
645013-MW-302-20240828	24H4216-02	Ground Water		SW-846 8260D	
645013-MW-303-20240828	24H4216-03	Ground Water		SW-846 8260D	
645013-MW-102A-20240828	24H4216-04	Ground Water		SW-846 8260D	
645013-MW-102B-20240828	24H4216-05	Ground Water		SW-846 8260D	
645013-FD-01-20240828	24H4216-06	Ground Water		SW-846 8260D	
645013-TB	24H4216-07	Trip Blank Water		SW-846 8260D	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

SW-846 8260D

Qualifications:**L-04**

Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.

Analyte & Samples(s) Qualified:**Carbon Tetrachloride**

24H4216-01[645013-MW-301-20240828], 24H4216-02[645013-MW-302-20240828], 24H4216-03[645013-MW-303-20240828],
24H4216-04[645013-MW-102A-20240828], 24H4216-05[645013-MW-102B-20240828], 24H4216-06[645013-FD-01-20240828], 24H4216-07[645013-TB],
B384838-BLK1, B384838-BS1, B384838-BSD1, B384838-MS1, B384838-MSD1

L-07

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

Analyte & Samples(s) Qualified:**1,2,4-Trichlorobenzene**

B384838-BS1

2-Hexanone (MBK)

B384838-BS1

MS-07A

Matrix spike and spike duplicate recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery.

Possibility of matrix effects that lead to low bias or non-homogeneous sample aliquot cannot be eliminated.

Analyte & Samples(s) Qualified:**1,2,3-Trichlorobenzene**

24H4216-01[645013-MW-301-20240828], B384838-MS1, B384838-MSD1

2-Hexanone (MBK)

24H4216-01[645013-MW-301-20240828], B384838-MS1, B384838-MSD1

MS-09

Matrix spike recovery and/or matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a low bias for reported result or non-homogeneous sample aliquots cannot be eliminated.

Analyte & Samples(s) Qualified:**1,2,4-Trichlorobenzene**

24H4216-01[645013-MW-301-20240828], B384838-MS1, B384838-MSD1

Naphthalene

24H4216-01[645013-MW-301-20240828], B384838-MS1, B384838-MSD1

MS-15

Matrix spike and matrix spike duplicate recoveries are outside of control limits. Data validation is not affected since results for this compound in this sample are "not detected", and recovery bias is on the high side.

Analyte & Samples(s) Qualified:**Chloromethane**

B384838-MS1, B384838-MSD1

MS-24

Either matrix spike or matrix spike duplicate is outside of control limits, but the other is within limits. Analysis is in control based on laboratory fortified blank recovery.

Analyte & Samples(s) Qualified:**4-Methyl-2-pentanone (MIBK)**

B384838-MS1

V-05

Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

Analyte & Samples(s) Qualified:**1,2,4-Trichlorobenzene**

24H4216-01[645013-MW-301-20240828], 24H4216-02[645013-MW-302-20240828], 24H4216-03[645013-MW-303-20240828],
24H4216-04[645013-MW-102A-20240828], 24H4216-05[645013-MW-102B-20240828], 24H4216-06[645013-FD-01-20240828], 24H4216-07[645013-TB],
B384838-BLK1, B384838-BS1, B384838-BSD1, B384838-MS1, B384838-MSD1, S109958-CCV1

Carbon Tetrachloride

24H4216-01[645013-MW-301-20240828], 24H4216-02[645013-MW-302-20240828], 24H4216-03[645013-MW-303-20240828],
24H4216-04[645013-MW-102A-20240828], 24H4216-05[645013-MW-102B-20240828], 24H4216-06[645013-FD-01-20240828], 24H4216-07[645013-TB],
B384838-BLK1, B384838-BS1, B384838-BSD1, B384838-MS1, B384838-MSD1, S109958-CCV1

Naphthalene

24H4216-01[645013-MW-301-20240828], 24H4216-02[645013-MW-302-20240828], 24H4216-03[645013-MW-303-20240828],
24H4216-04[645013-MW-102A-20240828], 24H4216-05[645013-MW-102B-20240828], 24H4216-06[645013-FD-01-20240828], 24H4216-07[645013-TB],
B384838-BLK1, B384838-BS1, B384838-BSD1, B384838-MS1, B384838-MSD1, S109958-CCV1

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V-06

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side for this compound.

Analyte & Samples(s) Qualified:**Benzene**

B384838-BS1, B384838-BSD1, B384838-MS1, B384838-MSD1, S109958-CCV1

Methyl Cyclohexane

B384838-BS1, B384838-BSD1, B384838-MS1, B384838-MSD1, S109958-CCV1

V-20

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:**Bromomethane**

B384838-BS1, B384838-BSD1, B384838-MS1, B384838-MSD1, S109958-CCV1

Chloromethane

B384838-BS1, B384838-BSD1, B384838-MS1, B384838-MSD1, S109958-CCV1

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Lisa A. Worthington
Technical Representative

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: North Lawrence, NY

Sample Description:

Work Order: 24H4216

Date Received: 8/30/2024

Field Sample #: 645013-MW-301-20240828

Sampled: 8/28/2024 11:39

Sample ID: 24H4216-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	2.9	50	2.0	µg/L	1	J	SW-846 8260D	9/3/24	9/4/24 12:25	MFF
Benzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	9/3/24	9/4/24 12:25	MFF
Bromochloromethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	9/3/24	9/4/24 12:25	MFF
Bromodichloromethane	ND	0.50	0.19	µg/L	1		SW-846 8260D	9/3/24	9/4/24 12:25	MFF
Bromoform	ND	1.0	0.30	µg/L	1		SW-846 8260D	9/3/24	9/4/24 12:25	MFF
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	9/3/24	9/4/24 12:25	MFF
2-Butanone (MEK)	ND	20	1.4	µg/L	1		SW-846 8260D	9/3/24	9/4/24 12:25	MFF
n-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/3/24	9/4/24 12:25	MFF
sec-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/3/24	9/4/24 12:25	MFF
tert-Butylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/3/24	9/4/24 12:25	MFF
Carbon Disulfide	ND	5.0	1.5	µg/L	1		SW-846 8260D	9/3/24	9/4/24 12:25	MFF
Carbon Tetrachloride	ND	5.0	0.19	µg/L	1	V-05, L-04	SW-846 8260D	9/3/24	9/4/24 12:25	MFF
Chlorobenzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	9/3/24	9/4/24 12:25	MFF
Chlorodibromomethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	9/3/24	9/4/24 12:25	MFF
Chloroethane	ND	2.0	0.46	µg/L	1		SW-846 8260D	9/3/24	9/4/24 12:25	MFF
Chloroform	ND	2.0	0.19	µg/L	1		SW-846 8260D	9/3/24	9/4/24 12:25	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	9/3/24	9/4/24 12:25	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	9/3/24	9/4/24 12:25	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.63	µg/L	1		SW-846 8260D	9/3/24	9/4/24 12:25	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.13	µg/L	1		SW-846 8260D	9/3/24	9/4/24 12:25	MFF
1,2-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/3/24	9/4/24 12:25	MFF
1,3-Dichlorobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	9/3/24	9/4/24 12:25	MFF
1,4-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/3/24	9/4/24 12:25	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.20	µg/L	1		SW-846 8260D	9/3/24	9/4/24 12:25	MFF
1,1-Dichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	9/3/24	9/4/24 12:25	MFF
1,2-Dichloroethane	ND	1.0	0.13	µg/L	1		SW-846 8260D	9/3/24	9/4/24 12:25	MFF
1,1-Dichloroethylene	ND	1.0	0.18	µg/L	1		SW-846 8260D	9/3/24	9/4/24 12:25	MFF
cis-1,2-Dichloroethylene	5.9	1.0	0.20	µg/L	1		SW-846 8260D	9/3/24	9/4/24 12:25	MFF
trans-1,2-Dichloroethylene	0.22	1.0	0.16	µg/L	1	J	SW-846 8260D	9/3/24	9/4/24 12:25	MFF
1,2-Dichloropropane	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/3/24	9/4/24 12:25	MFF
cis-1,3-Dichloropropene	ND	0.50	0.13	µg/L	1		SW-846 8260D	9/3/24	9/4/24 12:25	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	9/3/24	9/4/24 12:25	MFF
Ethylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	9/3/24	9/4/24 12:25	MFF
2-Hexanone (MBK)	ND	10	1.3	µg/L	1	MS-07A	SW-846 8260D	9/3/24	9/4/24 12:25	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/3/24	9/4/24 12:25	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/3/24	9/4/24 12:25	MFF
Methyl Acetate	ND	1.0	0.48	µg/L	1		SW-846 8260D	9/3/24	9/4/24 12:25	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/3/24	9/4/24 12:25	MFF
Methyl Cyclohexane	ND	1.0	0.13	µg/L	1		SW-846 8260D	9/3/24	9/4/24 12:25	MFF
Methylene Chloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	9/3/24	9/4/24 12:25	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.4	µg/L	1		SW-846 8260D	9/3/24	9/4/24 12:25	MFF
Naphthalene	ND	2.0	0.25	µg/L	1	V-05, MS-09	SW-846 8260D	9/3/24	9/4/24 12:25	MFF
n-Propylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	9/3/24	9/4/24 12:25	MFF
Styrene	ND	1.0	0.13	µg/L	1		SW-846 8260D	9/3/24	9/4/24 12:25	MFF

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Project Location: North Lawrence, NY

Sample Description:

Work Order: 24H4216

Date Received: 8/30/2024

Field Sample #: 645013-MW-301-20240828

Sampled: 8/28/2024 11:39

Sample ID: 24H4216-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	0.10	µg/L	1		SW-846 8260D	9/3/24	9/4/24 12:25	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/3/24	9/4/24 12:25	MFF
Toluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	9/3/24	9/4/24 12:25	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.22	µg/L	1	MS-07A	SW-846 8260D	9/3/24	9/4/24 12:25	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.19	µg/L	1	V-05, MS-09	SW-846 8260D	9/3/24	9/4/24 12:25	MFF
1,1,1-Trichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	9/3/24	9/4/24 12:25	MFF
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	9/3/24	9/4/24 12:25	MFF
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/3/24	9/4/24 12:25	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.14	µg/L	1		SW-846 8260D	9/3/24	9/4/24 12:25	MFF
1,2,3-Trichloropropane	ND	2.0	0.27	µg/L	1		SW-846 8260D	9/3/24	9/4/24 12:25	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/3/24	9/4/24 12:25	MFF
1,2,4-Trimethylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/3/24	9/4/24 12:25	MFF
1,3,5-Trimethylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/3/24	9/4/24 12:25	MFF
Vinyl Chloride	ND	2.0	0.19	µg/L	1		SW-846 8260D	9/3/24	9/4/24 12:25	MFF
m+p Xylene	ND	2.0	0.25	µg/L	1		SW-846 8260D	9/3/24	9/4/24 12:25	MFF
o-Xylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/3/24	9/4/24 12:25	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	9/3/24	9/4/24 12:25	MFF
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	95.0		70-130				9/4/24 12:25			
Toluene-d8	93.0		70-130				9/4/24 12:25			
4-Bromofluorobenzene	79.2		70-130				9/4/24 12:25			

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Project Location: North Lawrence, NY

Sample Description:

Work Order: 24H4216

Date Received: 8/30/2024

Field Sample #: 645013-MW-302-20240828

Sampled: 8/28/2024 11:52

Sample ID: 24H4216-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	9/3/24	9/4/24 12:52	MFF
Benzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	9/3/24	9/4/24 12:52	MFF
Bromochloromethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	9/3/24	9/4/24 12:52	MFF
Bromodichloromethane	ND	0.50	0.19	µg/L	1		SW-846 8260D	9/3/24	9/4/24 12:52	MFF
Bromoform	ND	1.0	0.30	µg/L	1		SW-846 8260D	9/3/24	9/4/24 12:52	MFF
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	9/3/24	9/4/24 12:52	MFF
2-Butanone (MEK)	ND	20	1.4	µg/L	1		SW-846 8260D	9/3/24	9/4/24 12:52	MFF
n-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/3/24	9/4/24 12:52	MFF
sec-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/3/24	9/4/24 12:52	MFF
tert-Butylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/3/24	9/4/24 12:52	MFF
Carbon Disulfide	ND	5.0	1.5	µg/L	1		SW-846 8260D	9/3/24	9/4/24 12:52	MFF
Carbon Tetrachloride	ND	5.0	0.19	µg/L	1	L-04, V-05	SW-846 8260D	9/3/24	9/4/24 12:52	MFF
Chlorobenzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	9/3/24	9/4/24 12:52	MFF
Chlorodibromomethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	9/3/24	9/4/24 12:52	MFF
Chloroethane	ND	2.0	0.46	µg/L	1		SW-846 8260D	9/3/24	9/4/24 12:52	MFF
Chloroform	ND	2.0	0.19	µg/L	1		SW-846 8260D	9/3/24	9/4/24 12:52	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	9/3/24	9/4/24 12:52	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	9/3/24	9/4/24 12:52	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.63	µg/L	1		SW-846 8260D	9/3/24	9/4/24 12:52	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.13	µg/L	1		SW-846 8260D	9/3/24	9/4/24 12:52	MFF
1,2-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/3/24	9/4/24 12:52	MFF
1,3-Dichlorobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	9/3/24	9/4/24 12:52	MFF
1,4-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/3/24	9/4/24 12:52	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.20	µg/L	1		SW-846 8260D	9/3/24	9/4/24 12:52	MFF
1,1-Dichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	9/3/24	9/4/24 12:52	MFF
1,2-Dichloroethane	ND	1.0	0.13	µg/L	1		SW-846 8260D	9/3/24	9/4/24 12:52	MFF
1,1-Dichloroethylene	ND	1.0	0.18	µg/L	1		SW-846 8260D	9/3/24	9/4/24 12:52	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.20	µg/L	1		SW-846 8260D	9/3/24	9/4/24 12:52	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/3/24	9/4/24 12:52	MFF
1,2-Dichloropropane	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/3/24	9/4/24 12:52	MFF
cis-1,3-Dichloropropene	ND	0.50	0.13	µg/L	1		SW-846 8260D	9/3/24	9/4/24 12:52	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	9/3/24	9/4/24 12:52	MFF
Ethylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	9/3/24	9/4/24 12:52	MFF
2-Hexanone (MBK)	ND	10	1.3	µg/L	1		SW-846 8260D	9/3/24	9/4/24 12:52	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/3/24	9/4/24 12:52	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/3/24	9/4/24 12:52	MFF
Methyl Acetate	ND	1.0	0.48	µg/L	1		SW-846 8260D	9/3/24	9/4/24 12:52	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/3/24	9/4/24 12:52	MFF
Methyl Cyclohexane	ND	1.0	0.13	µg/L	1		SW-846 8260D	9/3/24	9/4/24 12:52	MFF
Methylene Chloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	9/3/24	9/4/24 12:52	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.4	µg/L	1		SW-846 8260D	9/3/24	9/4/24 12:52	MFF
Naphthalene	ND	2.0	0.25	µg/L	1	V-05	SW-846 8260D	9/3/24	9/4/24 12:52	MFF
n-Propylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	9/3/24	9/4/24 12:52	MFF
Styrene	ND	1.0	0.13	µg/L	1		SW-846 8260D	9/3/24	9/4/24 12:52	MFF

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Project Location: North Lawrence, NY

Sample Description:

Work Order: 24H4216

Date Received: 8/30/2024

Field Sample #: 645013-MW-302-20240828

Sampled: 8/28/2024 11:52

Sample ID: 24H4216-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	0.10	µg/L	1		SW-846 8260D	9/3/24	9/4/24 12:52	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/3/24	9/4/24 12:52	MFF
Toluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	9/3/24	9/4/24 12:52	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.22	µg/L	1		SW-846 8260D	9/3/24	9/4/24 12:52	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.19	µg/L	1	V-05	SW-846 8260D	9/3/24	9/4/24 12:52	MFF
1,1,1-Trichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	9/3/24	9/4/24 12:52	MFF
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	9/3/24	9/4/24 12:52	MFF
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/3/24	9/4/24 12:52	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.14	µg/L	1		SW-846 8260D	9/3/24	9/4/24 12:52	MFF
1,2,3-Trichloropropane	ND	2.0	0.27	µg/L	1		SW-846 8260D	9/3/24	9/4/24 12:52	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/3/24	9/4/24 12:52	MFF
1,2,4-Trimethylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/3/24	9/4/24 12:52	MFF
1,3,5-Trimethylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/3/24	9/4/24 12:52	MFF
Vinyl Chloride	ND	2.0	0.19	µg/L	1		SW-846 8260D	9/3/24	9/4/24 12:52	MFF
m+p Xylene	ND	2.0	0.25	µg/L	1		SW-846 8260D	9/3/24	9/4/24 12:52	MFF
o-Xylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/3/24	9/4/24 12:52	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	9/3/24	9/4/24 12:52	MFF
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	92.0		70-130				9/4/24 12:52			
Toluene-d8	93.3		70-130				9/4/24 12:52			
4-Bromofluorobenzene	82.2		70-130				9/4/24 12:52			

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: North Lawrence, NY

Sample Description:

Work Order: 24H4216

Date Received: 8/30/2024

Field Sample #: 645013-MW-303-20240828

Sampled: 8/28/2024 12:39

Sample ID: 24H4216-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	2.6	50	2.0	µg/L	1	J	SW-846 8260D	9/3/24	9/4/24 13:19	MFF
Benzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	9/3/24	9/4/24 13:19	MFF
Bromochloromethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	9/3/24	9/4/24 13:19	MFF
Bromodichloromethane	ND	0.50	0.19	µg/L	1		SW-846 8260D	9/3/24	9/4/24 13:19	MFF
Bromoform	ND	1.0	0.30	µg/L	1		SW-846 8260D	9/3/24	9/4/24 13:19	MFF
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	9/3/24	9/4/24 13:19	MFF
2-Butanone (MEK)	ND	20	1.4	µg/L	1		SW-846 8260D	9/3/24	9/4/24 13:19	MFF
n-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/3/24	9/4/24 13:19	MFF
sec-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/3/24	9/4/24 13:19	MFF
tert-Butylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/3/24	9/4/24 13:19	MFF
Carbon Disulfide	ND	5.0	1.5	µg/L	1		SW-846 8260D	9/3/24	9/4/24 13:19	MFF
Carbon Tetrachloride	ND	5.0	0.19	µg/L	1	L-04, V-05	SW-846 8260D	9/3/24	9/4/24 13:19	MFF
Chlorobenzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	9/3/24	9/4/24 13:19	MFF
Chlorodibromomethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	9/3/24	9/4/24 13:19	MFF
Chloroethane	ND	2.0	0.46	µg/L	1		SW-846 8260D	9/3/24	9/4/24 13:19	MFF
Chloroform	ND	2.0	0.19	µg/L	1		SW-846 8260D	9/3/24	9/4/24 13:19	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	9/3/24	9/4/24 13:19	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	9/3/24	9/4/24 13:19	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.63	µg/L	1		SW-846 8260D	9/3/24	9/4/24 13:19	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.13	µg/L	1		SW-846 8260D	9/3/24	9/4/24 13:19	MFF
1,2-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/3/24	9/4/24 13:19	MFF
1,3-Dichlorobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	9/3/24	9/4/24 13:19	MFF
1,4-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/3/24	9/4/24 13:19	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.20	µg/L	1		SW-846 8260D	9/3/24	9/4/24 13:19	MFF
1,1-Dichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	9/3/24	9/4/24 13:19	MFF
1,2-Dichloroethane	ND	1.0	0.13	µg/L	1		SW-846 8260D	9/3/24	9/4/24 13:19	MFF
1,1-Dichloroethylene	ND	1.0	0.18	µg/L	1		SW-846 8260D	9/3/24	9/4/24 13:19	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.20	µg/L	1		SW-846 8260D	9/3/24	9/4/24 13:19	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/3/24	9/4/24 13:19	MFF
1,2-Dichloropropane	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/3/24	9/4/24 13:19	MFF
cis-1,3-Dichloropropene	ND	0.50	0.13	µg/L	1		SW-846 8260D	9/3/24	9/4/24 13:19	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	9/3/24	9/4/24 13:19	MFF
Ethylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	9/3/24	9/4/24 13:19	MFF
2-Hexanone (MBK)	ND	10	1.3	µg/L	1		SW-846 8260D	9/3/24	9/4/24 13:19	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/3/24	9/4/24 13:19	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/3/24	9/4/24 13:19	MFF
Methyl Acetate	ND	1.0	0.48	µg/L	1		SW-846 8260D	9/3/24	9/4/24 13:19	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/3/24	9/4/24 13:19	MFF
Methyl Cyclohexane	ND	1.0	0.13	µg/L	1		SW-846 8260D	9/3/24	9/4/24 13:19	MFF
Methylene Chloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	9/3/24	9/4/24 13:19	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.4	µg/L	1		SW-846 8260D	9/3/24	9/4/24 13:19	MFF
Naphthalene	ND	2.0	0.25	µg/L	1	V-05	SW-846 8260D	9/3/24	9/4/24 13:19	MFF
n-Propylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	9/3/24	9/4/24 13:19	MFF
Styrene	ND	1.0	0.13	µg/L	1		SW-846 8260D	9/3/24	9/4/24 13:19	MFF

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: North Lawrence, NY

Sample Description:

Work Order: 24H4216

Date Received: 8/30/2024

Field Sample #: 645013-MW-303-20240828

Sampled: 8/28/2024 12:39

Sample ID: 24H4216-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	0.10	µg/L	1		SW-846 8260D	9/3/24	9/4/24 13:19	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/3/24	9/4/24 13:19	MFF
Toluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	9/3/24	9/4/24 13:19	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.22	µg/L	1		SW-846 8260D	9/3/24	9/4/24 13:19	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.19	µg/L	1	V-05	SW-846 8260D	9/3/24	9/4/24 13:19	MFF
1,1,1-Trichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	9/3/24	9/4/24 13:19	MFF
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	9/3/24	9/4/24 13:19	MFF
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/3/24	9/4/24 13:19	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.14	µg/L	1		SW-846 8260D	9/3/24	9/4/24 13:19	MFF
1,2,3-Trichloropropane	ND	2.0	0.27	µg/L	1		SW-846 8260D	9/3/24	9/4/24 13:19	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/3/24	9/4/24 13:19	MFF
1,2,4-Trimethylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/3/24	9/4/24 13:19	MFF
1,3,5-Trimethylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/3/24	9/4/24 13:19	MFF
Vinyl Chloride	ND	2.0	0.19	µg/L	1		SW-846 8260D	9/3/24	9/4/24 13:19	MFF
m+p Xylene	ND	2.0	0.25	µg/L	1		SW-846 8260D	9/3/24	9/4/24 13:19	MFF
o-Xylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/3/24	9/4/24 13:19	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	9/3/24	9/4/24 13:19	MFF
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	96.5		70-130				9/4/24 13:19			
Toluene-d8	85.0		70-130				9/4/24 13:19			
4-Bromofluorobenzene	79.4		70-130				9/4/24 13:19			

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Project Location: North Lawrence, NY

Sample Description:

Work Order: 24H4216

Date Received: 8/30/2024

Field Sample #: 645013-MW-102A-20240828

Sampled: 8/28/2024 12:50

Sample ID: 24H4216-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	2.8	50	2.0	µg/L	1	J	SW-846 8260D	9/3/24	9/4/24 13:45	MFF
Benzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	9/3/24	9/4/24 13:45	MFF
Bromochloromethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	9/3/24	9/4/24 13:45	MFF
Bromodichloromethane	ND	0.50	0.19	µg/L	1		SW-846 8260D	9/3/24	9/4/24 13:45	MFF
Bromoform	ND	1.0	0.30	µg/L	1		SW-846 8260D	9/3/24	9/4/24 13:45	MFF
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	9/3/24	9/4/24 13:45	MFF
2-Butanone (MEK)	ND	20	1.4	µg/L	1		SW-846 8260D	9/3/24	9/4/24 13:45	MFF
n-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/3/24	9/4/24 13:45	MFF
sec-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/3/24	9/4/24 13:45	MFF
tert-Butylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/3/24	9/4/24 13:45	MFF
Carbon Disulfide	ND	5.0	1.5	µg/L	1		SW-846 8260D	9/3/24	9/4/24 13:45	MFF
Carbon Tetrachloride	ND	5.0	0.19	µg/L	1	L-04, V-05	SW-846 8260D	9/3/24	9/4/24 13:45	MFF
Chlorobenzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	9/3/24	9/4/24 13:45	MFF
Chlorodibromomethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	9/3/24	9/4/24 13:45	MFF
Chloroethane	ND	2.0	0.46	µg/L	1		SW-846 8260D	9/3/24	9/4/24 13:45	MFF
Chloroform	ND	2.0	0.19	µg/L	1		SW-846 8260D	9/3/24	9/4/24 13:45	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	9/3/24	9/4/24 13:45	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	9/3/24	9/4/24 13:45	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.63	µg/L	1		SW-846 8260D	9/3/24	9/4/24 13:45	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.13	µg/L	1		SW-846 8260D	9/3/24	9/4/24 13:45	MFF
1,2-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/3/24	9/4/24 13:45	MFF
1,3-Dichlorobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	9/3/24	9/4/24 13:45	MFF
1,4-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/3/24	9/4/24 13:45	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.20	µg/L	1		SW-846 8260D	9/3/24	9/4/24 13:45	MFF
1,1-Dichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	9/3/24	9/4/24 13:45	MFF
1,2-Dichloroethane	ND	1.0	0.13	µg/L	1		SW-846 8260D	9/3/24	9/4/24 13:45	MFF
1,1-Dichloroethylene	ND	1.0	0.18	µg/L	1		SW-846 8260D	9/3/24	9/4/24 13:45	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.20	µg/L	1		SW-846 8260D	9/3/24	9/4/24 13:45	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/3/24	9/4/24 13:45	MFF
1,2-Dichloropropane	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/3/24	9/4/24 13:45	MFF
cis-1,3-Dichloropropene	ND	0.50	0.13	µg/L	1		SW-846 8260D	9/3/24	9/4/24 13:45	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	9/3/24	9/4/24 13:45	MFF
Ethylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	9/3/24	9/4/24 13:45	MFF
2-Hexanone (MBK)	ND	10	1.3	µg/L	1		SW-846 8260D	9/3/24	9/4/24 13:45	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/3/24	9/4/24 13:45	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/3/24	9/4/24 13:45	MFF
Methyl Acetate	ND	1.0	0.48	µg/L	1		SW-846 8260D	9/3/24	9/4/24 13:45	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/3/24	9/4/24 13:45	MFF
Methyl Cyclohexane	ND	1.0	0.13	µg/L	1		SW-846 8260D	9/3/24	9/4/24 13:45	MFF
Methylene Chloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	9/3/24	9/4/24 13:45	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.4	µg/L	1		SW-846 8260D	9/3/24	9/4/24 13:45	MFF
Naphthalene	ND	2.0	0.25	µg/L	1	V-05	SW-846 8260D	9/3/24	9/4/24 13:45	MFF
n-Propylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	9/3/24	9/4/24 13:45	MFF
Styrene	ND	1.0	0.13	µg/L	1		SW-846 8260D	9/3/24	9/4/24 13:45	MFF

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: North Lawrence, NY

Sample Description:

Work Order: 24H4216

Date Received: 8/30/2024

Field Sample #: 645013-MW-102A-20240828

Sampled: 8/28/2024 12:50

Sample ID: 24H4216-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	0.10	µg/L	1		SW-846 8260D	9/3/24	9/4/24 13:45	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/3/24	9/4/24 13:45	MFF
Toluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	9/3/24	9/4/24 13:45	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.22	µg/L	1		SW-846 8260D	9/3/24	9/4/24 13:45	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.19	µg/L	1	V-05	SW-846 8260D	9/3/24	9/4/24 13:45	MFF
1,1,1-Trichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	9/3/24	9/4/24 13:45	MFF
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	9/3/24	9/4/24 13:45	MFF
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/3/24	9/4/24 13:45	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.14	µg/L	1		SW-846 8260D	9/3/24	9/4/24 13:45	MFF
1,2,3-Trichloropropane	ND	2.0	0.27	µg/L	1		SW-846 8260D	9/3/24	9/4/24 13:45	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/3/24	9/4/24 13:45	MFF
1,2,4-Trimethylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/3/24	9/4/24 13:45	MFF
1,3,5-Trimethylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/3/24	9/4/24 13:45	MFF
Vinyl Chloride	ND	2.0	0.19	µg/L	1		SW-846 8260D	9/3/24	9/4/24 13:45	MFF
m+p Xylene	ND	2.0	0.25	µg/L	1		SW-846 8260D	9/3/24	9/4/24 13:45	MFF
o-Xylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/3/24	9/4/24 13:45	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	9/3/24	9/4/24 13:45	MFF
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	101		70-130				9/4/24 13:45			
Toluene-d8	85.5		70-130				9/4/24 13:45			
4-Bromofluorobenzene	77.4		70-130				9/4/24 13:45			

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: North Lawrence, NY

Sample Description:

Work Order: 24H4216

Date Received: 8/30/2024

Field Sample #: 645013-MW-102B-20240828

Sampled: 8/28/2024 13:34

Sample ID: 24H4216-05

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	9/3/24	9/4/24 14:12	MFF
Benzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	9/3/24	9/4/24 14:12	MFF
Bromochloromethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	9/3/24	9/4/24 14:12	MFF
Bromodichloromethane	ND	0.50	0.19	µg/L	1		SW-846 8260D	9/3/24	9/4/24 14:12	MFF
Bromoform	ND	1.0	0.30	µg/L	1		SW-846 8260D	9/3/24	9/4/24 14:12	MFF
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	9/3/24	9/4/24 14:12	MFF
2-Butanone (MEK)	ND	20	1.4	µg/L	1		SW-846 8260D	9/3/24	9/4/24 14:12	MFF
n-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/3/24	9/4/24 14:12	MFF
sec-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/3/24	9/4/24 14:12	MFF
tert-Butylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/3/24	9/4/24 14:12	MFF
Carbon Disulfide	ND	5.0	1.5	µg/L	1		SW-846 8260D	9/3/24	9/4/24 14:12	MFF
Carbon Tetrachloride	ND	5.0	0.19	µg/L	1	L-04, V-05	SW-846 8260D	9/3/24	9/4/24 14:12	MFF
Chlorobenzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	9/3/24	9/4/24 14:12	MFF
Chlorodibromomethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	9/3/24	9/4/24 14:12	MFF
Chloroethane	ND	2.0	0.46	µg/L	1		SW-846 8260D	9/3/24	9/4/24 14:12	MFF
Chloroform	ND	2.0	0.19	µg/L	1		SW-846 8260D	9/3/24	9/4/24 14:12	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	9/3/24	9/4/24 14:12	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	9/3/24	9/4/24 14:12	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.63	µg/L	1		SW-846 8260D	9/3/24	9/4/24 14:12	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.13	µg/L	1		SW-846 8260D	9/3/24	9/4/24 14:12	MFF
1,2-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/3/24	9/4/24 14:12	MFF
1,3-Dichlorobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	9/3/24	9/4/24 14:12	MFF
1,4-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/3/24	9/4/24 14:12	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.20	µg/L	1		SW-846 8260D	9/3/24	9/4/24 14:12	MFF
1,1-Dichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	9/3/24	9/4/24 14:12	MFF
1,2-Dichloroethane	ND	1.0	0.13	µg/L	1		SW-846 8260D	9/3/24	9/4/24 14:12	MFF
1,1-Dichloroethylene	ND	1.0	0.18	µg/L	1		SW-846 8260D	9/3/24	9/4/24 14:12	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.20	µg/L	1		SW-846 8260D	9/3/24	9/4/24 14:12	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/3/24	9/4/24 14:12	MFF
1,2-Dichloropropane	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/3/24	9/4/24 14:12	MFF
cis-1,3-Dichloropropene	ND	0.50	0.13	µg/L	1		SW-846 8260D	9/3/24	9/4/24 14:12	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	9/3/24	9/4/24 14:12	MFF
Ethylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	9/3/24	9/4/24 14:12	MFF
2-Hexanone (MBK)	ND	10	1.3	µg/L	1		SW-846 8260D	9/3/24	9/4/24 14:12	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/3/24	9/4/24 14:12	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/3/24	9/4/24 14:12	MFF
Methyl Acetate	ND	1.0	0.48	µg/L	1		SW-846 8260D	9/3/24	9/4/24 14:12	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/3/24	9/4/24 14:12	MFF
Methyl Cyclohexane	ND	1.0	0.13	µg/L	1		SW-846 8260D	9/3/24	9/4/24 14:12	MFF
Methylene Chloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	9/3/24	9/4/24 14:12	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.4	µg/L	1		SW-846 8260D	9/3/24	9/4/24 14:12	MFF
Naphthalene	ND	2.0	0.25	µg/L	1	V-05	SW-846 8260D	9/3/24	9/4/24 14:12	MFF
n-Propylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	9/3/24	9/4/24 14:12	MFF
Styrene	ND	1.0	0.13	µg/L	1		SW-846 8260D	9/3/24	9/4/24 14:12	MFF

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: North Lawrence, NY

Sample Description:

Work Order: 24H4216

Date Received: 8/30/2024

Field Sample #: 645013-MW-102B-20240828

Sampled: 8/28/2024 13:34

Sample ID: 24H4216-05

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	0.10	µg/L	1		SW-846 8260D	9/3/24	9/4/24 14:12	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/3/24	9/4/24 14:12	MFF
Toluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	9/3/24	9/4/24 14:12	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.22	µg/L	1		SW-846 8260D	9/3/24	9/4/24 14:12	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.19	µg/L	1	V-05	SW-846 8260D	9/3/24	9/4/24 14:12	MFF
1,1,1-Trichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	9/3/24	9/4/24 14:12	MFF
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	9/3/24	9/4/24 14:12	MFF
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/3/24	9/4/24 14:12	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.14	µg/L	1		SW-846 8260D	9/3/24	9/4/24 14:12	MFF
1,2,3-Trichloropropane	ND	2.0	0.27	µg/L	1		SW-846 8260D	9/3/24	9/4/24 14:12	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/3/24	9/4/24 14:12	MFF
1,2,4-Trimethylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/3/24	9/4/24 14:12	MFF
1,3,5-Trimethylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/3/24	9/4/24 14:12	MFF
Vinyl Chloride	ND	2.0	0.19	µg/L	1		SW-846 8260D	9/3/24	9/4/24 14:12	MFF
m+p Xylene	ND	2.0	0.25	µg/L	1		SW-846 8260D	9/3/24	9/4/24 14:12	MFF
o-Xylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/3/24	9/4/24 14:12	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	9/3/24	9/4/24 14:12	MFF
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	99.4		70-130				9/4/24 14:12			
Toluene-d8	87.0		70-130				9/4/24 14:12			
4-Bromofluorobenzene	82.2		70-130				9/4/24 14:12			

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Project Location: North Lawrence, NY

Sample Description:

Work Order: 24H4216

Date Received: 8/30/2024

Field Sample #: 645013-FD-01-20240828

Sampled: 8/28/2024 00:00

Sample ID: 24H4216-06

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	2.5	50	2.0	µg/L	1	J	SW-846 8260D	9/3/24	9/4/24 14:39	MFF
Benzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	9/3/24	9/4/24 14:39	MFF
Bromochloromethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	9/3/24	9/4/24 14:39	MFF
Bromodichloromethane	ND	0.50	0.19	µg/L	1		SW-846 8260D	9/3/24	9/4/24 14:39	MFF
Bromoform	ND	1.0	0.30	µg/L	1		SW-846 8260D	9/3/24	9/4/24 14:39	MFF
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	9/3/24	9/4/24 14:39	MFF
2-Butanone (MEK)	ND	20	1.4	µg/L	1		SW-846 8260D	9/3/24	9/4/24 14:39	MFF
n-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/3/24	9/4/24 14:39	MFF
sec-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/3/24	9/4/24 14:39	MFF
tert-Butylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/3/24	9/4/24 14:39	MFF
Carbon Disulfide	ND	5.0	1.5	µg/L	1		SW-846 8260D	9/3/24	9/4/24 14:39	MFF
Carbon Tetrachloride	ND	5.0	0.19	µg/L	1	L-04, V-05	SW-846 8260D	9/3/24	9/4/24 14:39	MFF
Chlorobenzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	9/3/24	9/4/24 14:39	MFF
Chlorodibromomethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	9/3/24	9/4/24 14:39	MFF
Chloroethane	ND	2.0	0.46	µg/L	1		SW-846 8260D	9/3/24	9/4/24 14:39	MFF
Chloroform	ND	2.0	0.19	µg/L	1		SW-846 8260D	9/3/24	9/4/24 14:39	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	9/3/24	9/4/24 14:39	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	9/3/24	9/4/24 14:39	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.63	µg/L	1		SW-846 8260D	9/3/24	9/4/24 14:39	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.13	µg/L	1		SW-846 8260D	9/3/24	9/4/24 14:39	MFF
1,2-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/3/24	9/4/24 14:39	MFF
1,3-Dichlorobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	9/3/24	9/4/24 14:39	MFF
1,4-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/3/24	9/4/24 14:39	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.20	µg/L	1		SW-846 8260D	9/3/24	9/4/24 14:39	MFF
1,1-Dichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	9/3/24	9/4/24 14:39	MFF
1,2-Dichloroethane	ND	1.0	0.13	µg/L	1		SW-846 8260D	9/3/24	9/4/24 14:39	MFF
1,1-Dichloroethylene	ND	1.0	0.18	µg/L	1		SW-846 8260D	9/3/24	9/4/24 14:39	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.20	µg/L	1		SW-846 8260D	9/3/24	9/4/24 14:39	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/3/24	9/4/24 14:39	MFF
1,2-Dichloropropane	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/3/24	9/4/24 14:39	MFF
cis-1,3-Dichloropropene	ND	0.50	0.13	µg/L	1		SW-846 8260D	9/3/24	9/4/24 14:39	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	9/3/24	9/4/24 14:39	MFF
Ethylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	9/3/24	9/4/24 14:39	MFF
2-Hexanone (MBK)	ND	10	1.3	µg/L	1		SW-846 8260D	9/3/24	9/4/24 14:39	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/3/24	9/4/24 14:39	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/3/24	9/4/24 14:39	MFF
Methyl Acetate	ND	1.0	0.48	µg/L	1		SW-846 8260D	9/3/24	9/4/24 14:39	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/3/24	9/4/24 14:39	MFF
Methyl Cyclohexane	ND	1.0	0.13	µg/L	1		SW-846 8260D	9/3/24	9/4/24 14:39	MFF
Methylene Chloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	9/3/24	9/4/24 14:39	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.4	µg/L	1		SW-846 8260D	9/3/24	9/4/24 14:39	MFF
Naphthalene	ND	2.0	0.25	µg/L	1	V-05	SW-846 8260D	9/3/24	9/4/24 14:39	MFF
n-Propylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	9/3/24	9/4/24 14:39	MFF
Styrene	ND	1.0	0.13	µg/L	1		SW-846 8260D	9/3/24	9/4/24 14:39	MFF

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: North Lawrence, NY

Sample Description:

Work Order: 24H4216

Date Received: 8/30/2024

Field Sample #: 645013-FD-01-20240828

Sampled: 8/28/2024 00:00

Sample ID: 24H4216-06

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	0.10	µg/L	1		SW-846 8260D	9/3/24	9/4/24 14:39	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/3/24	9/4/24 14:39	MFF
Toluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	9/3/24	9/4/24 14:39	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.22	µg/L	1		SW-846 8260D	9/3/24	9/4/24 14:39	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.19	µg/L	1	V-05	SW-846 8260D	9/3/24	9/4/24 14:39	MFF
1,1,1-Trichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	9/3/24	9/4/24 14:39	MFF
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	9/3/24	9/4/24 14:39	MFF
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/3/24	9/4/24 14:39	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.14	µg/L	1		SW-846 8260D	9/3/24	9/4/24 14:39	MFF
1,2,3-Trichloropropane	ND	2.0	0.27	µg/L	1		SW-846 8260D	9/3/24	9/4/24 14:39	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/3/24	9/4/24 14:39	MFF
1,2,4-Trimethylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/3/24	9/4/24 14:39	MFF
1,3,5-Trimethylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/3/24	9/4/24 14:39	MFF
Vinyl Chloride	ND	2.0	0.19	µg/L	1		SW-846 8260D	9/3/24	9/4/24 14:39	MFF
m+p Xylene	ND	2.0	0.25	µg/L	1		SW-846 8260D	9/3/24	9/4/24 14:39	MFF
o-Xylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/3/24	9/4/24 14:39	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	9/3/24	9/4/24 14:39	MFF
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	95.9		70-130				9/4/24 14:39			
Toluene-d8	88.8		70-130				9/4/24 14:39			
4-Bromofluorobenzene	80.0		70-130				9/4/24 14:39			

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Project Location: North Lawrence, NY

Sample Description:

Work Order: 24H4216

Date Received: 8/30/2024

Field Sample #: 645013-TB

Sampled: 8/28/2024 00:00

Sample ID: 24H4216-07

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	5.2	50	2.0	µg/L	1	J	SW-846 8260D	9/3/24	9/4/24 11:32	MFF
Benzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	9/3/24	9/4/24 11:32	MFF
Bromochloromethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	9/3/24	9/4/24 11:32	MFF
Bromodichloromethane	ND	0.50	0.19	µg/L	1		SW-846 8260D	9/3/24	9/4/24 11:32	MFF
Bromoform	ND	1.0	0.30	µg/L	1		SW-846 8260D	9/3/24	9/4/24 11:32	MFF
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	9/3/24	9/4/24 11:32	MFF
2-Butanone (MEK)	ND	20	1.4	µg/L	1		SW-846 8260D	9/3/24	9/4/24 11:32	MFF
n-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/3/24	9/4/24 11:32	MFF
sec-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/3/24	9/4/24 11:32	MFF
tert-Butylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/3/24	9/4/24 11:32	MFF
Carbon Disulfide	ND	5.0	1.5	µg/L	1		SW-846 8260D	9/3/24	9/4/24 11:32	MFF
Carbon Tetrachloride	ND	5.0	0.19	µg/L	1	L-04, V-05	SW-846 8260D	9/3/24	9/4/24 11:32	MFF
Chlorobenzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	9/3/24	9/4/24 11:32	MFF
Chlorodibromomethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	9/3/24	9/4/24 11:32	MFF
Chloroethane	ND	2.0	0.46	µg/L	1		SW-846 8260D	9/3/24	9/4/24 11:32	MFF
Chloroform	ND	2.0	0.19	µg/L	1		SW-846 8260D	9/3/24	9/4/24 11:32	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	9/3/24	9/4/24 11:32	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	9/3/24	9/4/24 11:32	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.63	µg/L	1		SW-846 8260D	9/3/24	9/4/24 11:32	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.13	µg/L	1		SW-846 8260D	9/3/24	9/4/24 11:32	MFF
1,2-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/3/24	9/4/24 11:32	MFF
1,3-Dichlorobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	9/3/24	9/4/24 11:32	MFF
1,4-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/3/24	9/4/24 11:32	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.20	µg/L	1		SW-846 8260D	9/3/24	9/4/24 11:32	MFF
1,1-Dichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	9/3/24	9/4/24 11:32	MFF
1,2-Dichloroethane	ND	1.0	0.13	µg/L	1		SW-846 8260D	9/3/24	9/4/24 11:32	MFF
1,1-Dichloroethylene	ND	1.0	0.18	µg/L	1		SW-846 8260D	9/3/24	9/4/24 11:32	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.20	µg/L	1		SW-846 8260D	9/3/24	9/4/24 11:32	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/3/24	9/4/24 11:32	MFF
1,2-Dichloropropane	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/3/24	9/4/24 11:32	MFF
cis-1,3-Dichloropropene	ND	0.50	0.13	µg/L	1		SW-846 8260D	9/3/24	9/4/24 11:32	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	9/3/24	9/4/24 11:32	MFF
Ethylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	9/3/24	9/4/24 11:32	MFF
2-Hexanone (MBK)	ND	10	1.3	µg/L	1		SW-846 8260D	9/3/24	9/4/24 11:32	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/3/24	9/4/24 11:32	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/3/24	9/4/24 11:32	MFF
Methyl Acetate	ND	1.0	0.48	µg/L	1		SW-846 8260D	9/3/24	9/4/24 11:32	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/3/24	9/4/24 11:32	MFF
Methyl Cyclohexane	ND	1.0	0.13	µg/L	1		SW-846 8260D	9/3/24	9/4/24 11:32	MFF
Methylene Chloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	9/3/24	9/4/24 11:32	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.4	µg/L	1		SW-846 8260D	9/3/24	9/4/24 11:32	MFF
Naphthalene	ND	2.0	0.25	µg/L	1	V-05	SW-846 8260D	9/3/24	9/4/24 11:32	MFF
n-Propylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	9/3/24	9/4/24 11:32	MFF
Styrene	ND	1.0	0.13	µg/L	1		SW-846 8260D	9/3/24	9/4/24 11:32	MFF

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: North Lawrence, NY

Sample Description:

Work Order: 24H4216

Date Received: 8/30/2024

Field Sample #: 645013-TB

Sampled: 8/28/2024 00:00

Sample ID: 24H4216-07

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	0.10	µg/L	1		SW-846 8260D	9/3/24	9/4/24 11:32	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/3/24	9/4/24 11:32	MFF
Toluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	9/3/24	9/4/24 11:32	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.22	µg/L	1		SW-846 8260D	9/3/24	9/4/24 11:32	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.19	µg/L	1	V-05	SW-846 8260D	9/3/24	9/4/24 11:32	MFF
1,1,1-Trichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	9/3/24	9/4/24 11:32	MFF
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	9/3/24	9/4/24 11:32	MFF
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/3/24	9/4/24 11:32	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.14	µg/L	1		SW-846 8260D	9/3/24	9/4/24 11:32	MFF
1,2,3-Trichloropropane	ND	2.0	0.27	µg/L	1		SW-846 8260D	9/3/24	9/4/24 11:32	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/3/24	9/4/24 11:32	MFF
1,2,4-Trimethylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/3/24	9/4/24 11:32	MFF
1,3,5-Trimethylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/3/24	9/4/24 11:32	MFF
Vinyl Chloride	ND	2.0	0.19	µg/L	1		SW-846 8260D	9/3/24	9/4/24 11:32	MFF
m+p Xylene	ND	2.0	0.25	µg/L	1		SW-846 8260D	9/3/24	9/4/24 11:32	MFF
o-Xylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	9/3/24	9/4/24 11:32	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	9/3/24	9/4/24 11:32	MFF
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	98.7		70-130				9/4/24 11:32			
Toluene-d8	92.6		70-130				9/4/24 11:32			
4-Bromofluorobenzene	84.2		70-130				9/4/24 11:32			

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332**Sample Extraction Data****Prep Method:SW-846 5030B Analytical Method:SW-846 8260D**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
24H4216-01 [645013-MW-301-20240828]	B384838	5	5.00	09/03/24
24H4216-02 [645013-MW-302-20240828]	B384838	5	5.00	09/03/24
24H4216-03 [645013-MW-303-20240828]	B384838	5	5.00	09/03/24
24H4216-04 [645013-MW-102A-20240828]	B384838	5	5.00	09/03/24
24H4216-05 [645013-MW-102B-20240828]	B384838	5	5.00	09/03/24
24H4216-06 [645013-FD-01-20240828]	B384838	5	5.00	09/03/24
24H4216-07 [645013-TB]	B384838	5	5.00	09/03/24

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

Batch B384838 - SW-846 5030B
Blank (B384838-BLK1)

Prepared: 09/03/24 Analyzed: 09/04/24

Acetone	ND	50	µg/L							
Benzene	ND	1.0	µg/L							
Bromochloromethane	ND	1.0	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	1.0	µg/L							
Bromomethane	ND	2.0	µg/L							
2-Butanone (MEK)	ND	20	µg/L							
n-Butylbenzene	ND	1.0	µg/L							
sec-Butylbenzene	ND	1.0	µg/L							
tert-Butylbenzene	ND	1.0	µg/L							
Carbon Disulfide	ND	5.0	µg/L							
Carbon Tetrachloride	ND	5.0	µg/L							L-04, V-05
Chlorobenzene	ND	1.0	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	2.0	µg/L							
Chloroform	ND	2.0	µg/L							
Chloromethane	ND	2.0	µg/L							
Cyclohexane	ND	5.0	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
1,2-Dichlorobenzene	ND	1.0	µg/L							
1,3-Dichlorobenzene	ND	1.0	µg/L							
1,4-Dichlorobenzene	ND	1.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L							
1,1-Dichloroethane	ND	1.0	µg/L							
1,2-Dichloroethane	ND	1.0	µg/L							
1,1-Dichloroethylene	ND	1.0	µg/L							
cis-1,2-Dichloroethylene	ND	1.0	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	1.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Ethylbenzene	ND	1.0	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							
Isopropylbenzene (Cumene)	ND	1.0	µg/L							
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L							
Methyl Acetate	ND	1.0	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L							
Methyl Cyclohexane	ND	1.0	µg/L							
Methylene Chloride	ND	5.0	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L							
Naphthalene	ND	2.0	µg/L							V-05
n-Propylbenzene	ND	1.0	µg/L							
Styrene	ND	1.0	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							
Tetrachloroethylene	ND	1.0	µg/L							
Toluene	ND	1.0	µg/L							
1,2,3-Trichlorobenzene	ND	5.0	µg/L							
1,2,4-Trichlorobenzene	ND	1.0	µg/L							V-05
1,1,1-Trichloroethane	ND	1.0	µg/L							
1,1,2-Trichloroethane	ND	1.0	µg/L							
Trichloroethylene	ND	1.0	µg/L							

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QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B384838 - SW-846 5030B										
Blank (B384838-BLK1)										
Prepared: 09/03/24 Analyzed: 09/04/24										
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L							
1,2,3-Trichloropropane	ND	2.0	µg/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L							
1,2,4-Trimethylbenzene	ND	1.0	µg/L							
1,3,5-Trimethylbenzene	ND	1.0	µg/L							
Vinyl Chloride	ND	2.0	µg/L							
m+p Xylene	ND	2.0	µg/L							
o-Xylene	ND	1.0	µg/L							
Xylenes (total)	ND	1.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	24.6		µg/L	25.0		98.3	70-130			
Surrogate: Toluene-d8	20.9		µg/L	25.0		83.5	70-130			
Surrogate: 4-Bromofluorobenzene	21.0		µg/L	25.0		84.0	70-130			
LCS (B384838-BS1)										
Prepared: 09/03/24 Analyzed: 09/04/24										
Acetone	89.2	50	µg/L	100		89.2	70-160			†
Benzene	11.6	1.0	µg/L	10.0		116	70-130		V-06	
Bromochloromethane	11.5	1.0	µg/L	10.0		115	70-130			
Bromodichloromethane	9.19	0.50	µg/L	10.0		91.9	70-130			
Bromoform	7.68	1.0	µg/L	10.0		76.8	70-130			
Bromomethane	13.1	2.0	µg/L	10.0		131	40-160		V-20	†
2-Butanone (MEK)	95.2	20	µg/L	100		95.2	40-160			†
n-Butylbenzene	8.66	1.0	µg/L	10.0		86.6	70-130			
sec-Butylbenzene	9.89	1.0	µg/L	10.0		98.9	70-130			
tert-Butylbenzene	9.61	1.0	µg/L	10.0		96.1	70-130			
Carbon Disulfide	105	5.0	µg/L	100		105	70-130			
Carbon Tetrachloride	5.58	5.0	µg/L	10.0		55.8 *	70-130		L-04, V-05	
Chlorobenzene	11.1	1.0	µg/L	10.0		111	70-130			
Chlorodibromomethane	7.87	0.50	µg/L	10.0		78.7	70-130			
Chloroethane	9.24	2.0	µg/L	10.0		92.4	70-130			
Chloroform	10.7	2.0	µg/L	10.0		107	70-130			
Chloromethane	11.6	2.0	µg/L	10.0		116	40-160		V-20	†
Cyclohexane	10.6	5.0	µg/L	10.0		106	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	9.09	5.0	µg/L	10.0		90.9	70-130			
1,2-Dibromoethane (EDB)	9.93	0.50	µg/L	10.0		99.3	70-130			
1,2-Dichlorobenzene	10.9	1.0	µg/L	10.0		109	70-130			
1,3-Dichlorobenzene	10.4	1.0	µg/L	10.0		104	70-130			
1,4-Dichlorobenzene	10.3	1.0	µg/L	10.0		103	70-130			
Dichlorodifluoromethane (Freon 12)	9.59	2.0	µg/L	10.0		95.9	40-160			†
1,1-Dichloroethane	10.5	1.0	µg/L	10.0		105	70-130			
1,2-Dichloroethane	10.3	1.0	µg/L	10.0		103	70-130			
1,1-Dichloroethylene	10.2	1.0	µg/L	10.0		102	70-130			
cis-1,2-Dichloroethylene	9.95	1.0	µg/L	10.0		99.5	70-130			
trans-1,2-Dichloroethylene	9.58	1.0	µg/L	10.0		95.8	70-130			
1,2-Dichloropropane	9.91	1.0	µg/L	10.0		99.1	70-130			
cis-1,3-Dichloropropene	9.03	0.50	µg/L	10.0		90.3	70-130			
trans-1,3-Dichloropropene	8.22	0.50	µg/L	10.0		82.2	70-130			
Ethylbenzene	10.6	1.0	µg/L	10.0		106	70-130			
2-Hexanone (MBK)	68.1	10	µg/L	100		68.1 *	70-160		L-07	†
Isopropylbenzene (Cumene)	9.56	1.0	µg/L	10.0		95.6	70-130			
p-Isopropyltoluene (p-Cymene)	9.66	1.0	µg/L	10.0		96.6	70-130			
Methyl Acetate	11.7	1.0	µg/L	10.0		117	70-130			
Methyl tert-Butyl Ether (MTBE)	9.79	1.0	µg/L	10.0		97.9	70-130			

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B384838 - SW-846 5030B										
LCS (B384838-BS1)										
Prepared: 09/03/24 Analyzed: 09/04/24										
Methyl Cyclohexane	11.8	1.0	µg/L	10.0		118	70-130			V-06
Methylene Chloride	9.52	5.0	µg/L	10.0		95.2	70-130			
4-Methyl-2-pentanone (MIBK)	75.7	10	µg/L	100		75.7	70-160			†
Naphthalene	4.39	2.0	µg/L	10.0		43.9	40-130			V-05 †
n-Propylbenzene	9.28	1.0	µg/L	10.0		92.8	70-130			
Styrene	9.07	1.0	µg/L	10.0		90.7	70-130			
1,1,2,2-Tetrachloroethane	10.2	0.50	µg/L	10.0		102	70-130			
Tetrachloroethylene	10.4	1.0	µg/L	10.0		104	70-130			
Toluene	9.93	1.0	µg/L	10.0		99.3	70-130			
1,2,3-Trichlorobenzene	7.08	5.0	µg/L	10.0		70.8	70-130			
1,2,4-Trichlorobenzene	6.36	1.0	µg/L	10.0		63.6 *	70-130			L-07, V-05
1,1,1-Trichloroethane	10.3	1.0	µg/L	10.0		103	70-130			
1,1,2-Trichloroethane	10.1	1.0	µg/L	10.0		101	70-130			
Trichloroethylene	11.0	1.0	µg/L	10.0		110	70-130			
Trichlorofluoromethane (Freon 11)	9.94	2.0	µg/L	10.0		99.4	70-130			
1,2,3-Trichloropropane	11.1	2.0	µg/L	10.0		111	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.4	1.0	µg/L	10.0		104	70-130			
1,2,4-Trimethylbenzene	10.2	1.0	µg/L	10.0		102	70-130			
1,3,5-Trimethylbenzene	9.67	1.0	µg/L	10.0		96.7	70-130			
Vinyl Chloride	9.21	2.0	µg/L	10.0		92.1	40-160			†
m+p Xylene	20.7	2.0	µg/L	20.0		104	70-130			
o-Xylene	9.81	1.0	µg/L	10.0		98.1	70-130			
Xylenes (total)	30.5	1.0	µg/L	30.0		102	0-200			
Surrogate: 1,2-Dichloroethane-d4	24.2		µg/L	25.0		96.7	70-130			
Surrogate: Toluene-d8	23.0		µg/L	25.0		91.9	70-130			
Surrogate: 4-Bromofluorobenzene	23.6		µg/L	25.0		94.6	70-130			
LCS Dup (B384838-BSD1)										
Prepared: 09/03/24 Analyzed: 09/04/24										
Acetone	100	50	µg/L	100		100	70-160	11.6	25	†
Benzene	11.4	1.0	µg/L	10.0		114	70-130	1.22	25	V-06
Bromochloromethane	11.8	1.0	µg/L	10.0		118	70-130	2.83	25	
Bromodichloromethane	10.7	0.50	µg/L	10.0		107	70-130	15.0	25	
Bromoform	8.25	1.0	µg/L	10.0		82.5	70-130	7.16	25	
Bromomethane	13.9	2.0	µg/L	10.0		139	40-160	6.15	25	V-20 †
2-Butanone (MEK)	106	20	µg/L	100		106	40-160	10.7	25	†
n-Butylbenzene	8.97	1.0	µg/L	10.0		89.7	70-130	3.52	25	
sec-Butylbenzene	10.0	1.0	µg/L	10.0		100	70-130	1.60	25	
tert-Butylbenzene	9.93	1.0	µg/L	10.0		99.3	70-130	3.28	25	
Carbon Disulfide	112	5.0	µg/L	100		112	70-130	6.78	25	
Carbon Tetrachloride	6.22	5.0	µg/L	10.0		62.2 *	70-130	10.8	25	L-04, V-05
Chlorobenzene	11.4	1.0	µg/L	10.0		114	70-130	2.93	25	
Chlorodibromomethane	9.12	0.50	µg/L	10.0		91.2	70-130	14.7	25	
Chloroethane	10.0	2.0	µg/L	10.0		100	70-130	7.90	25	
Chloroform	11.3	2.0	µg/L	10.0		113	70-130	5.63	25	
Chloromethane	12.1	2.0	µg/L	10.0		121	40-160	4.39	25	V-20 †
Cyclohexane	11.6	5.0	µg/L	10.0		116	70-130	9.38	25	
1,2-Dibromo-3-chloropropane (DBCP)	9.07	5.0	µg/L	10.0		90.7	70-130	0.220	25	
1,2-Dibromoethane (EDB)	11.4	0.50	µg/L	10.0		114	70-130	13.5	25	
1,2-Dichlorobenzene	11.2	1.0	µg/L	10.0		112	70-130	2.54	25	
1,3-Dichlorobenzene	11.2	1.0	µg/L	10.0		112	70-130	6.95	25	
1,4-Dichlorobenzene	11.3	1.0	µg/L	10.0		113	70-130	8.90	25	
Dichlorodifluoromethane (Freon 12)	10.1	2.0	µg/L	10.0		101	40-160	5.38	25	†

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QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

Batch B384838 - SW-846 5030B
LCS Dup (B384838-BS01)

Prepared: 09/03/24 Analyzed: 09/04/24

1,1-Dichloroethane	11.1	1.0	µg/L	10.0		111	70-130	5.73	25	
1,2-Dichloroethane	11.5	1.0	µg/L	10.0		115	70-130	10.8	25	
1,1-Dichloroethylene	10.9	1.0	µg/L	10.0		109	70-130	6.44	25	
cis-1,2-Dichloroethylene	10.6	1.0	µg/L	10.0		106	70-130	6.70	25	
trans-1,2-Dichloroethylene	10.4	1.0	µg/L	10.0		104	70-130	8.30	25	
1,2-Dichloropropane	11.3	1.0	µg/L	10.0		113	70-130	13.3	25	
cis-1,3-Dichloropropene	10.2	0.50	µg/L	10.0		102	70-130	12.0	25	
trans-1,3-Dichloropropene	9.49	0.50	µg/L	10.0		94.9	70-130	14.3	25	
Ethylbenzene	10.9	1.0	µg/L	10.0		109	70-130	2.98	25	
2-Hexanone (MBK)	87.1	10	µg/L	100		87.1	70-160	24.6	25	†
Isopropylbenzene (Cumene)	9.86	1.0	µg/L	10.0		98.6	70-130	3.09	25	
p-Isopropyltoluene (p-Cymene)	9.86	1.0	µg/L	10.0		98.6	70-130	2.05	25	
Methyl Acetate	12.8	1.0	µg/L	10.0		128	70-130	8.75	25	
Methyl tert-Butyl Ether (MTBE)	10.4	1.0	µg/L	10.0		104	70-130	6.14	25	
Methyl Cyclohexane	12.1	1.0	µg/L	10.0		121	70-130	2.52	25	V-06
Methylene Chloride	10.0	5.0	µg/L	10.0		100	70-130	5.22	25	
4-Methyl-2-pentanone (MIBK)	92.0	10	µg/L	100		92.0	70-160	19.4	25	†
Naphthalene	4.65	2.0	µg/L	10.0		46.5	40-130	5.75	25	V-05 †
n-Propylbenzene	9.70	1.0	µg/L	10.0		97.0	70-130	4.43	25	
Styrene	9.73	1.0	µg/L	10.0		97.3	70-130	7.02	25	
1,1,2,2-Tetrachloroethane	11.2	0.50	µg/L	10.0		112	70-130	8.77	25	
Tetrachloroethylene	12.2	1.0	µg/L	10.0		122	70-130	16.0	25	
Toluene	11.4	1.0	µg/L	10.0		114	70-130	14.2	25	
1,2,3-Trichlorobenzene	7.94	5.0	µg/L	10.0		79.4	70-130	11.5	25	
1,2,4-Trichlorobenzene	7.03	1.0	µg/L	10.0		70.3	70-130	10.0	25	V-05
1,1,1-Trichloroethane	11.0	1.0	µg/L	10.0		110	70-130	6.68	25	
1,1,2-Trichloroethane	11.7	1.0	µg/L	10.0		117	70-130	14.5	25	
Trichloroethylene	11.6	1.0	µg/L	10.0		116	70-130	5.57	25	
Trichlorofluoromethane (Freon 11)	10.6	2.0	µg/L	10.0		106	70-130	6.52	25	
1,2,3-Trichloropropane	12.2	2.0	µg/L	10.0		122	70-130	10.0	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.5	1.0	µg/L	10.0		115	70-130	10.4	25	
1,2,4-Trimethylbenzene	10.5	1.0	µg/L	10.0		105	70-130	2.90	25	
1,3,5-Trimethylbenzene	10.3	1.0	µg/L	10.0		103	70-130	6.41	25	
Vinyl Chloride	9.71	2.0	µg/L	10.0		97.1	40-160	5.29	25	†
m+p Xylene	21.6	2.0	µg/L	20.0		108	70-130	3.97	25	
o-Xylene	9.99	1.0	µg/L	10.0		99.9	70-130	1.82	25	
Xylenes (total)	31.6	1.0	µg/L	30.0		105	0-200	3.29		
Surrogate: 1,2-Dichloroethane-d4	24.3		µg/L	25.0		97.2	70-130			
Surrogate: Toluene-d8	25.5		µg/L	25.0		102	70-130			
Surrogate: 4-Bromofluorobenzene	23.5		µg/L	25.0		93.9	70-130			

Matrix Spike (B384838-MS1)
Source: 24H4216-01

Prepared: 09/03/24 Analyzed: 09/04/24

Acetone	81.0	50	µg/L	100	2.93	78.0	70-130			
Benzene	11.8	1.0	µg/L	10.0	ND	118	70-130			V-06
Bromochloromethane	11.1	1.0	µg/L	10.0	ND	111	70-130			
Bromodichloromethane	9.21	0.50	µg/L	10.0	ND	92.1	70-130			
Bromoform	7.68	1.0	µg/L	10.0	ND	76.8	70-130			
Bromomethane	10.3	2.0	µg/L	10.0	ND	103	70-130			V-20
2-Butanone (MEK)	83.0	20	µg/L	100	ND	83.0	70-130			
n-Butylbenzene	7.06	1.0	µg/L	10.0	ND	70.6	70-130			
sec-Butylbenzene	9.22	1.0	µg/L	10.0	ND	92.2	70-130			
tert-Butylbenzene	9.05	1.0	µg/L	10.0	ND	90.5	70-130			

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QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B384838 - SW-846 5030B										
Matrix Spike (B384838-MS1)	Source: 24H4216-01			Prepared: 09/03/24 Analyzed: 09/04/24						
Carbon Disulfide	105	5.0	µg/L	100	ND	105	70-130			
Carbon Tetrachloride	8.43	5.0	µg/L	10.0	ND	84.3	70-130			L-04, V-05
Chlorobenzene	10.8	1.0	µg/L	10.0	ND	108	70-130			
Chlorodibromomethane	8.33	0.50	µg/L	10.0	ND	83.3	70-130			
Chloroethane	9.53	2.0	µg/L	10.0	ND	95.3	70-130			
Chloroform	10.8	2.0	µg/L	10.0	ND	108	70-130			
Chloromethane	16.1	2.0	µg/L	10.0	ND	161	* 70-130			MS-15, V-20
Cyclohexane	10.8	5.0	µg/L	10.0	ND	108	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	7.55	5.0	µg/L	10.0	ND	75.5	70-130			
1,2-Dibromoethane (EDB)	9.17	0.50	µg/L	10.0	ND	91.7	70-130			
1,2-Dichlorobenzene	9.87	1.0	µg/L	10.0	ND	98.7	70-130			
1,3-Dichlorobenzene	9.82	1.0	µg/L	10.0	ND	98.2	70-130			
1,4-Dichlorobenzene	9.66	1.0	µg/L	10.0	ND	96.6	70-130			
Dichlorodifluoromethane (Freon 12)	8.66	2.0	µg/L	10.0	ND	86.6	70-130			
1,1-Dichloroethane	10.4	1.0	µg/L	10.0	ND	104	70-130			
1,2-Dichloroethane	10.2	1.0	µg/L	10.0	ND	102	70-130			
1,1-Dichloroethylene	9.69	1.0	µg/L	10.0	ND	96.9	70-130			
cis-1,2-Dichloroethylene	16.2	1.0	µg/L	10.0	5.94	103	70-130			
trans-1,2-Dichloroethylene	9.90	1.0	µg/L	10.0	0.220	96.8	70-130			
1,2-Dichloropropane	11.2	1.0	µg/L	10.0	ND	112	70-130			
cis-1,3-Dichloropropene	7.88	0.50	µg/L	10.0	ND	78.8	70-130			
trans-1,3-Dichloropropene	7.34	0.50	µg/L	10.0	ND	73.4	70-130			
Ethylbenzene	9.90	1.0	µg/L	10.0	ND	99.0	70-130			
2-Hexanone (MBK)	52.0	10	µg/L	100	ND	52.0	* 70-130			MS-07A
Isopropylbenzene (Cumene)	8.75	1.0	µg/L	10.0	ND	87.5	70-130			
p-Isopropyltoluene (p-Cymene)	8.70	1.0	µg/L	10.0	ND	87.0	70-130			
Methyl Acetate	8.73	1.0	µg/L	10.0	ND	87.3	70-130			
Methyl tert-Butyl Ether (MTBE)	8.97	1.0	µg/L	10.0	ND	89.7	70-130			
Methyl Cyclohexane	12.0	1.0	µg/L	10.0	ND	120	70-130			V-06
Methylene Chloride	9.34	5.0	µg/L	10.0	ND	93.4	70-130			
4-Methyl-2-pentanone (MIBK)	65.1	10	µg/L	100	ND	65.1	* 70-130			MS-24
Naphthalene	2.72	2.0	µg/L	10.0	ND	27.2	* 70-130			MS-09, V-05
n-Propylbenzene	8.37	1.0	µg/L	10.0	ND	83.7	70-130			
Styrene	7.69	1.0	µg/L	10.0	ND	76.9	70-130			
1,1,2,2-Tetrachloroethane	9.42	0.50	µg/L	10.0	ND	94.2	70-130			
Tetrachloroethylene	10.3	1.0	µg/L	10.0	ND	103	70-130			
Toluene	9.92	1.0	µg/L	10.0	ND	99.2	70-130			
1,2,3-Trichlorobenzene	5.19	5.0	µg/L	10.0	ND	51.9	* 70-130			MS-07A
1,2,4-Trichlorobenzene	4.75	1.0	µg/L	10.0	ND	47.5	* 70-130			MS-09, V-05
1,1,1-Trichloroethane	10.5	1.0	µg/L	10.0	ND	105	70-130			
1,1,2-Trichloroethane	9.62	1.0	µg/L	10.0	ND	96.2	70-130			
Trichloroethylene	12.2	1.0	µg/L	10.0	ND	122	70-130			
Trichlorofluoromethane (Freon 11)	10.2	2.0	µg/L	10.0	ND	102	70-130			
1,2,3-Trichloropropane	9.42	2.0	µg/L	10.0	ND	94.2	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.5	1.0	µg/L	10.0	ND	105	70-130			
1,2,4-Trimethylbenzene	9.22	1.0	µg/L	10.0	ND	92.2	70-130			
1,3,5-Trimethylbenzene	8.98	1.0	µg/L	10.0	ND	89.8	70-130			
Vinyl Chloride	8.94	2.0	µg/L	10.0	ND	89.4	70-130			
m+p Xylene	19.4	2.0	µg/L	20.0	ND	97.2	70-130			
o-Xylene	8.92	1.0	µg/L	10.0	ND	89.2	70-130			
Xylenes (total)	28.4	1.0	µg/L	30.0	ND	94.5	0-200			

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B384838 - SW-846 5030B										
Matrix Spike (B384838-MS1)	Source: 24H4216-01			Prepared: 09/03/24 Analyzed: 09/04/24						
Surrogate: 1,2-Dichloroethane-d4	24.0		µg/L	25.0		96.0	70-130			
Surrogate: Toluene-d8	22.8		µg/L	25.0		91.4	70-130			
Surrogate: 4-Bromofluorobenzene	22.5		µg/L	25.0		90.1	70-130			
Matrix Spike Dup (B384838-MSD1)	Source: 24H4216-01			Prepared: 09/03/24 Analyzed: 09/04/24						
Acetone	92.8	50	µg/L	100	2.93	89.9	70-130	13.6	30	
Benzene	11.0	1.0	µg/L	10.0	ND	110	70-130	6.78	30	V-06
Bromochloromethane	12.4	1.0	µg/L	10.0	ND	124	70-130	10.7	30	
Bromodichloromethane	10.4	0.50	µg/L	10.0	ND	104	70-130	12.4	30	
Bromoform	8.09	1.0	µg/L	10.0	ND	80.9	70-130	5.20	30	
Bromomethane	10.8	2.0	µg/L	10.0	ND	108	70-130	4.72	30	V-20
2-Butanone (MEK)	96.3	20	µg/L	100	ND	96.3	70-130	14.8	30	
n-Butylbenzene	7.71	1.0	µg/L	10.0	ND	77.1	70-130	8.80	30	
sec-Butylbenzene	9.67	1.0	µg/L	10.0	ND	96.7	70-130	4.76	30	
tert-Butylbenzene	9.69	1.0	µg/L	10.0	ND	96.9	70-130	6.83	30	
Carbon Disulfide	116	5.0	µg/L	100	ND	116	70-130	9.68	30	
Carbon Tetrachloride	8.19	5.0	µg/L	10.0	ND	81.9	70-130	2.89	30	L-04, V-05
Chlorobenzene	11.1	1.0	µg/L	10.0	ND	111	70-130	3.19	30	
Chlorodibromomethane	9.62	0.50	µg/L	10.0	ND	96.2	70-130	14.4	30	
Chloroethane	10.3	2.0	µg/L	10.0	ND	103	70-130	7.57	30	
Chloroform	11.6	2.0	µg/L	10.0	ND	116	70-130	7.58	30	
Chloromethane	17.1	2.0	µg/L	10.0	ND	171	* 70-130	6.08	30	MS-15, V-20
Cyclohexane	11.1	5.0	µg/L	10.0	ND	111	70-130	2.74	30	
1,2-Dibromo-3-chloropropane (DBCP)	8.17	5.0	µg/L	10.0	ND	81.7	70-130	7.89	30	
1,2-Dibromoethane (EDB)	10.9	0.50	µg/L	10.0	ND	109	70-130	17.0	30	
1,2-Dichlorobenzene	10.7	1.0	µg/L	10.0	ND	107	70-130	7.98	30	
1,3-Dichlorobenzene	10.5	1.0	µg/L	10.0	ND	105	70-130	6.88	30	
1,4-Dichlorobenzene	10.4	1.0	µg/L	10.0	ND	104	70-130	6.99	30	
Dichlorodifluoromethane (Freon 12)	9.46	2.0	µg/L	10.0	ND	94.6	70-130	8.83	30	
1,1-Dichloroethane	11.5	1.0	µg/L	10.0	ND	115	70-130	9.31	30	
1,2-Dichloroethane	10.9	1.0	µg/L	10.0	ND	109	70-130	6.53	30	
1,1-Dichloroethylene	10.4	1.0	µg/L	10.0	ND	104	70-130	7.07	30	
cis-1,2-Dichloroethylene	18.3	1.0	µg/L	10.0	5.94	124	70-130	11.9	30	
trans-1,2-Dichloroethylene	10.9	1.0	µg/L	10.0	0.220	106	70-130	9.25	30	
1,2-Dichloropropane	11.1	1.0	µg/L	10.0	ND	111	70-130	0.269	30	
cis-1,3-Dichloropropene	8.81	0.50	µg/L	10.0	ND	88.1	70-130	11.1	30	
trans-1,3-Dichloropropene	8.38	0.50	µg/L	10.0	ND	83.8	70-130	13.2	30	
Ethylbenzene	10.4	1.0	µg/L	10.0	ND	104	70-130	5.21	30	
2-Hexanone (MBK)	62.3	10	µg/L	100	ND	62.3	* 70-130	18.0	30	MS-07A
Isopropylbenzene (Cumene)	9.13	1.0	µg/L	10.0	ND	91.3	70-130	4.25	30	
p-Isopropyltoluene (p-Cymene)	9.35	1.0	µg/L	10.0	ND	93.5	70-130	7.20	30	
Methyl Acetate	10.4	1.0	µg/L	10.0	ND	104	70-130	17.0	30	
Methyl tert-Butyl Ether (MTBE)	9.93	1.0	µg/L	10.0	ND	99.3	70-130	10.2	30	
Methyl Cyclohexane	11.2	1.0	µg/L	10.0	ND	112	70-130	7.25	30	V-06
Methylene Chloride	10.1	5.0	µg/L	10.0	ND	101	70-130	7.72	30	
4-Methyl-2-pentanone (MIBK)	76.6	10	µg/L	100	ND	76.6	70-130	16.3	30	
Naphthalene	3.08	2.0	µg/L	10.0	ND	30.8	* 70-130	12.4	30	MS-09, V-05
n-Propylbenzene	8.77	1.0	µg/L	10.0	ND	87.7	70-130	4.67	30	
Styrene	7.92	1.0	µg/L	10.0	ND	79.2	70-130	2.95	30	
1,1,2,2-Tetrachloroethane	10.0	0.50	µg/L	10.0	ND	100	70-130	5.97	30	
Tetrachloroethylene	12.0	1.0	µg/L	10.0	ND	120	70-130	15.4	30	
Toluene	11.3	1.0	µg/L	10.0	ND	113	70-130	13.0	30	

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QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B384838 - SW-846 5030B										
Matrix Spike Dup (B384838-MSD1)	Source: 24H4216-01			Prepared: 09/03/24 Analyzed: 09/04/24						
1,2,3-Trichlorobenzene	6.09	5.0	µg/L	10.0	ND	60.9 *	70-130	16.0	30	MS-07A
1,2,4-Trichlorobenzene	5.33	1.0	µg/L	10.0	ND	53.3 *	70-130	11.5	30	MS-09, V-05
1,1,1-Trichloroethane	11.0	1.0	µg/L	10.0	ND	110	70-130	4.45	30	
1,1,2-Trichloroethane	11.4	1.0	µg/L	10.0	ND	114	70-130	16.8	30	
Trichloroethylene	12.0	1.0	µg/L	10.0	ND	120	70-130	1.24	30	
Trichlorofluoromethane (Freon 11)	11.1	2.0	µg/L	10.0	ND	111	70-130	8.45	30	
1,2,3-Trichloropropane	10.0	2.0	µg/L	10.0	ND	100	70-130	6.47	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.4	1.0	µg/L	10.0	ND	114	70-130	8.07	30	
1,2,4-Trimethylbenzene	9.91	1.0	µg/L	10.0	ND	99.1	70-130	7.21	30	
1,3,5-Trimethylbenzene	9.45	1.0	µg/L	10.0	ND	94.5	70-130	5.10	30	
Vinyl Chloride	9.54	2.0	µg/L	10.0	ND	95.4	70-130	6.49	30	
m+p Xylene	20.1	2.0	µg/L	20.0	ND	100	70-130	3.29	20	
o-Xylene	9.41	1.0	µg/L	10.0	ND	94.1	70-130	5.35	30	
Xylenes (total)	29.5	1.0	µg/L	30.0	ND	98.3	0-200	3.94		
Surrogate: 1,2-Dichloroethane-d4	24.6		µg/L	25.0		98.3	70-130			
Surrogate: Toluene-d8	25.1		µg/L	25.0		100	70-130			
Surrogate: 4-Bromofluorobenzene	22.7		µg/L	25.0		90.9	70-130			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
L-07	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.
MS-07A	Matrix spike and spike duplicate recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery. Possibility of matrix effects that lead to low bias or non-homogeneous sample aliquot cannot be eliminated.
MS-09	Matrix spike recovery and/or matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a low bias for reported result or non-homogeneous sample aliquots cannot be eliminated.
MS-15	Matrix spike and matrix spike duplicate recoveries are outside of control limits. Data validation is not affected since results for this compound in this sample are "not detected", and recovery bias is on the high side.
MS-24	Either matrix spike or matrix spike duplicate is outside of control limits, but the other is within limits. Analysis is in control based on laboratory fortified blank recovery.
V-05	Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.
V-06	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side for this compound.
V-20	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8260D in Water</i>	
Acetone	CT,ME,NH,VA,NY
Benzene	CT,ME,NH,VA,NY
Bromochloromethane	ME,NH,VA,NY
Bromodichloromethane	CT,ME,NH,VA,NY
Bromoform	CT,ME,NH,VA,NY
Bromomethane	CT,ME,NH,VA,NY
2-Butanone (MEK)	CT,ME,NH,VA,NY
n-Butylbenzene	ME,VA,NY
sec-Butylbenzene	ME,VA,NY
tert-Butylbenzene	ME,VA,NY
Carbon Disulfide	CT,ME,NH,VA,NY
Carbon Tetrachloride	CT,ME,NH,VA,NY
Chlorobenzene	CT,ME,NH,VA,NY
Chlorodibromomethane	CT,ME,NH,VA,NY
Chloroethane	CT,ME,NH,VA,NY
Chloroform	CT,ME,NH,VA,NY
Chloromethane	CT,ME,NH,VA,NY
Cyclohexane	ME,NY
1,2-Dibromo-3-chloropropane (DBCP)	ME,NY
1,2-Dibromoethane (EDB)	ME,NY
1,2-Dichlorobenzene	CT,ME,NH,VA,NY
1,3-Dichlorobenzene	CT,ME,NH,VA,NY
1,4-Dichlorobenzene	CT,ME,NH,VA,NY
Dichlorodifluoromethane (Freon 12)	ME,NH,VA,NY
1,1-Dichloroethane	CT,ME,NH,VA,NY
1,2-Dichloroethane	CT,ME,NH,VA,NY
1,1-Dichloroethylene	CT,ME,NH,VA,NY
cis-1,2-Dichloroethylene	ME,NY
trans-1,2-Dichloroethylene	CT,ME,NH,VA,NY
1,2-Dichloropropane	CT,ME,NH,VA,NY
cis-1,3-Dichloropropene	CT,ME,NH,VA,NY
trans-1,3-Dichloropropene	CT,ME,NH,VA,NY
Ethylbenzene	CT,ME,NH,VA,NY
2-Hexanone (MBK)	CT,ME,NH,VA,NY
Isopropylbenzene (Cumene)	ME,VA,NY
p-Isopropyltoluene (p-Cymene)	CT,ME,NH,VA,NY
Methyl Acetate	ME,NY
Methyl tert-Butyl Ether (MTBE)	CT,ME,NH,VA,NY
Methyl Cyclohexane	NY
Methylene Chloride	CT,ME,NH,VA,NY
4-Methyl-2-pentanone (MIBK)	CT,ME,NH,VA,NY
Naphthalene	ME,NH,VA,NY
n-Propylbenzene	CT,ME,NH,VA,NY
Styrene	CT,ME,NH,VA,NY
1,1,2,2-Tetrachloroethane	CT,ME,NH,VA,NY
Tetrachloroethylene	CT,ME,NH,VA,NY
Toluene	CT,ME,NH,VA,NY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8260D in Water</i>	
1,2,3-Trichlorobenzene	ME,NH,VA,NY
1,2,4-Trichlorobenzene	CT,ME,NH,VA,NY
1,1,1-Trichloroethane	CT,ME,NH,VA,NY
1,1,2-Trichloroethane	CT,ME,NH,VA,NY
Trichloroethylene	CT,ME,NH,VA,NY
Trichlorofluoromethane (Freon 11)	CT,ME,NH,VA,NY
1,2,3-Trichloropropane	ME,NH,VA,NY
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	VA,NY
1,2,4-Trimethylbenzene	ME,VA,NY
1,3,5-Trimethylbenzene	ME,VA,NY
Vinyl Chloride	CT,ME,NH,VA,NY
m+p Xylene	CT,ME,NH,VA,NY
o-Xylene	CT,ME,NH,VA,NY
Xylenes (total)	ME,NY

Con-Test, a Pace Environmental Laboratory, operates under the following certifications and accreditations:

Code	Description	Number	Expires
CT	Connecticut Department of Public Health	PH-0821	12/31/2024
NY	New York State Department of Health	10899 NELAP	04/1/2025
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2025
ME	State of Maine	MA00100	06/9/2025
VA	Commonwealth of Virginia	460217	12/14/2024

Page 32 of 34

	DC#_Title: ENV-FRM-ELON-0001 v08_Sample Receiving Checklist
	Effective Date: 06/11/2024

Log In Back-Sheet

Login Sample Receipt Checklist – (Rejection Criteria Listing
– Using Acceptance Policy) Any False statement will be
brought to the attention of the Client – True or False

Client EA Engineering (DEC)
 Project North Lawrence Oil Dump
 MCP/RCP Required no
 Deliverable Package Requirement NY Cat. B
 Location North Lawrence, NY
 PWSID# (When Applicable) na
 Arrival Method:
 Courier ☒ Fed Ex ☐ Walk In ☐ Other ☐
 Received By / Date / Time BH 8/20/24 1015
 Back-Sheet By / Date / Time Mom 8/20/24 1646
 Temperature Method Gun # 6
 WV samples: Yes (see note*) / No (follow normal procedure)
 Temp < 6° C Actual Temperature 20
 Rush Samples: Yes / No Notify No
 Short Hold: Yes / No Notify No

	True	False
Received on Ice	☒	☐
Received in Cooler	☒	☐
Custody Seal: DATE TIME	☐	☒
COC Relinquished	☐	☒
COC/Samples Labels Agree	☒	☐
All Samples in Good Condition	☒	☐
Samples Received within Holding Time	☒	☐
Is there enough Volume	☒	☐
Proper Media/Container Used	☒	☐
Splitting Samples Required	☐	☒
M5/MSD	☐	☒
Trip Blanks	☒	☐
Lab to Filters	☐	☒
COC Legible	☐	☒
COC Included? (Check all included)		
Client ☒	Analysis ☒	Sampler Name ☒
Project ☒	IDs ☒	Collection Date/Time ☒
All Samples Proper pH <u>N/A</u> ☐ ☐		

Notes regarding Samples/COC outside of SOP:

Additional Container Notes

*Note: West Virginia requires all samples to have their
temperature taken. Note any outliers.

Qualtrax ID: 120836

Page 2 of 2

Sample	Soils Jars (Circle Amb/Clear)				Amber's				Plastics							VOA Vials					Other / Fill in																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
	16oz Amb/Clear	8oz Amb/Clear	4oz Amb/Clear	2oz Amb/Clear	1 Liter		250mL		100ml	1 Liter		500mL	250ml.					Unpreserved	HCl	MeOH	D.I. Water	BiSulfate	Col/Bact																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		

DC# Title: ENV-FRM-ELON-0001 v08_Sample Receiving Checklist

Effective Date: 06/11/2024

QUALTRAX ID: 120836

Pace

VOA

SAMPLE DATA

1 - FORM I

ANALYSIS DATA SHEET

645013-MW-301-20240828

Laboratory:	Pace New England	Work Order:	24H4216
Client:	NYDEC_EA Engineering, Science &	Project:	North Lawrence Oil Dump - CO 152166
Matrix:	Ground Water	Laboratory ID:	24H4216-01
		File ID:	C24V24811.D
Sampled:	08/28/24 11:39	Prepared:	09/03/24 13:25
		Analyzed:	09/04/24 12:25
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B384838	Sequence:	S109958
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone	2.9	2.0	50	J
71-43-2	Benzene		0.14	1.0	
74-97-5	Bromochloromethane		0.32	1.0	
75-27-4	Bromodichloromethane		0.19	0.50	
75-25-2	Bromoform		0.30	1.0	
74-83-9	Bromomethane		1.5	2.0	
78-93-3	2-Butanone (MEK)		1.4	20	
104-51-8	n-Butylbenzene		0.16	1.0	
135-98-8	sec-Butylbenzene		0.16	1.0	
98-06-6	tert-Butylbenzene		0.17	1.0	
75-15-0	Carbon Disulfide		1.5	5.0	
56-23-5	Carbon Tetrachloride		0.19	5.0	V-05, L-04
108-90-7	Chlorobenzene		0.18	1.0	
124-48-1	Chlorodibromomethane		0.13	0.50	
75-00-3	Chloroethane		0.46	2.0	
67-66-3	Chloroform		0.19	2.0	
74-87-3	Chloromethane		0.50	2.0	
110-82-7	Cyclohexane		1.8	5.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.63	5.0	
106-93-4	1,2-Dibromoethane (EDB)		0.13	0.50	
95-50-1	1,2-Dichlorobenzene		0.17	1.0	
541-73-1	1,3-Dichlorobenzene		0.15	1.0	
106-46-7	1,4-Dichlorobenzene		0.17	1.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.20	2.0	
75-34-3	1,1-Dichloroethane		0.15	1.0	
107-06-2	1,2-Dichloroethane		0.13	1.0	
75-35-4	1,1-Dichloroethylene		0.18	1.0	
156-59-2	cis-1,2-Dichloroethylene	5.9	0.20	1.0	
156-60-5	trans-1,2-Dichloroethylene	0.22	0.16	1.0	J

1 - FORM I

ANALYSIS DATA SHEET

645013-MW-301-20240828

Laboratory:	Pace New England	Work Order:	24H4216	
Client:	NYDEC_EA Engineering, Science &	Project:	North Lawrence Oil Dump - CO 152166	
Matrix:	Ground Water	Laboratory ID:	24H4216-01	File ID: C24V24811.D
Sampled:	08/28/24 11:39	Prepared:	09/03/24 13:25	Analyzed: 09/04/24 12:25
Solids:		Preparation:	SW-846 5030B	Dilution: 1
Initial/Final:	5 mL / 5 mL			
Batch:	B384838	Sequence:	S109958	Calibration: 2200537
				Instrument: GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
78-87-5	1,2-Dichloropropane		0.17	1.0	
10061-01-5	cis-1,3-Dichloropropene		0.13	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.14	0.50	
100-41-4	Ethylbenzene		0.14	1.0	
591-78-6	2-Hexanone (MBK)		1.3	10	MS-07A
98-82-8	Isopropylbenzene (Cumene)		0.16	1.0	
99-87-6	p-Isopropyltoluene (p-Cymene)		0.16	1.0	
79-20-9	Methyl Acetate		0.48	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.17	1.0	
108-87-2	Methyl Cyclohexane		0.13	1.0	
75-09-2	Methylene Chloride		0.19	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.4	10	
91-20-3	Naphthalene		0.25	2.0	V-05, MS-09
103-65-1	n-Propylbenzene		0.11	1.0	
100-42-5	Styrene		0.13	1.0	
79-34-5	1,1,2,2-Tetrachloroethane		0.10	0.50	
127-18-4	Tetrachloroethylene		0.17	1.0	
108-88-3	Toluene		0.11	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.22	5.0	MS-07A
120-82-1	1,2,4-Trichlorobenzene		0.19	1.0	V-05, MS-09
71-55-6	1,1,1-Trichloroethane		0.14	1.0	
79-00-5	1,1,2-Trichloroethane		0.18	1.0	
79-01-6	Trichloroethylene		0.17	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.14	2.0	
96-18-4	1,2,3-Trichloropropane		0.27	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)		0.16	1.0	
95-63-6	1,2,4-Trimethylbenzene		0.16	1.0	
108-67-8	1,3,5-Trimethylbenzene		0.17	1.0	
75-01-4	Vinyl Chloride		0.19	2.0	

1 - FORM I

ANALYSIS DATA SHEET

645013-MW-301-20240828

Laboratory: Pace New England Work Order: 24H4216
Client: NYDEC_EA Engineering, Science & Technology Project: North Lawrence Oil Dump - CO 152166
Matrix: Ground Water Laboratory ID: 24H4216-01 File ID: C24V24811.D
Sampled: 08/28/24 11:39 Prepared: 09/03/24 13:25 Analyzed: 09/04/24 12:25
Solids: Preparation: SW-846 5030B Dilution: 1
Initial/Final: 5 mL / 5 mL
Batch: B384838 Sequence: S109958 Calibration: 2200537 Instrument: GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
179601-23-1	m+p Xylene		0.25	2.0	
95-47-6	o-Xylene		0.16	1.0	
1330-20-7	Xylenes (total)		1.0	1.0	

Data Path : C:\msdchem\1\data\C090424\
 Data File : C24V24811.D
 Acq On : 4 Sep 2024 12:25 pm
 Operator :
 Sample : 24H4216-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Inst : GCMSVOA3

Quant Time: Sep 04 13:03:01 2024
 Quant Method : C:\msdchem\1\methods\C080822.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Wed Jan 10 12:13:53 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

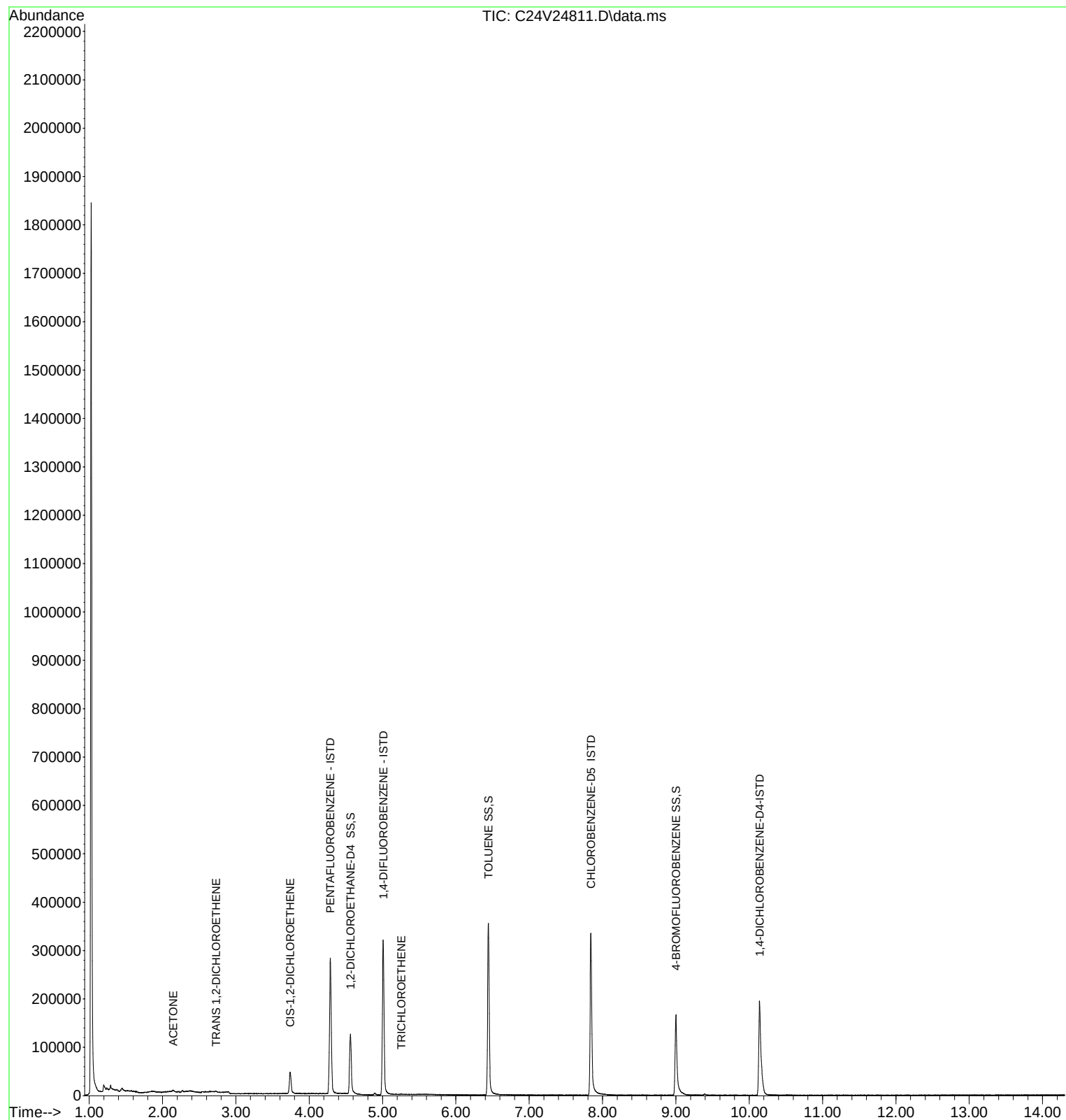
Internal Standards						
1) PENTAFLUOROBENZENE - ISTD	4.289	168	176941	30.00	UG/L	0.00
49) 1,4-DIFLUOROBENZENE - ...	5.011	114	230025	30.00	UG/L	0.00
72) CHLOROBENZENE-D5 ISTD	7.842	82	98601	30.00	UG/L	0.00
91) 1,4-DICHLOROBENZENE-D4...	10.142	152	72627	30.00	UG/L	# 0.00
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4 SS	4.562	65	78844	23.75	UG/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery	=	95.00%	
50) TOLUENE SS	6.444	98	211889	23.26	UG/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery	=	93.04%	
73) 4-BROMOFLUOROBENZENE SS	9.002	95	57880	19.80	UG/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery	=	79.20%	
Target Compounds						
14) ACETONE	2.147	43	3142	2.93	UG/L	Qvalue 91
26) TRANS 1,2-DICHLOROETHENE	2.730	61	796m	0.22	UG/L	
33) CIS-1,2-DICHLOROETHENE	3.740	61	24061	5.94	UG/L	95
52) TRICHLOROETHENE	5.254	95	215	0.10	UG/L	# 1

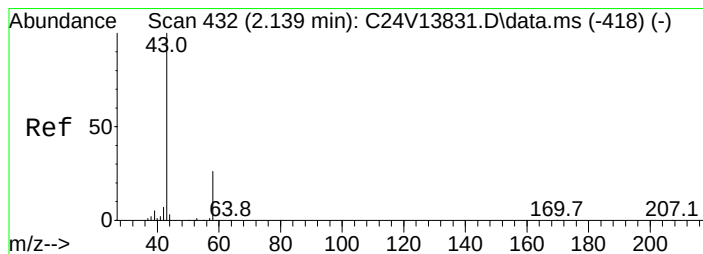
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\data\C090424\
Data File : C24V24811.D
Acq On : 4 Sep 2024 12:25 pm
Operator :
Sample : 24H4216-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Inst : GCMSVOA3

Quant Time: Sep 04 13:03:01 2024
Quant Method : C:\msdchem\1\methods\C080822.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
QLast Update : Wed Jan 10 12:13:53 2024
Response via : Initial Calibration





#14

ACETONE

Concen: 2.93 UG/L

RT: 2.147 min Scan# 435

Delta R.T. 0.011 min

Lab File: C24V24811.D

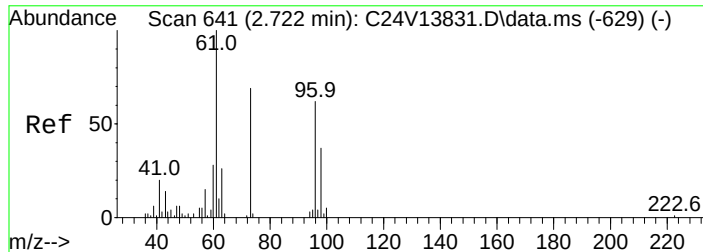
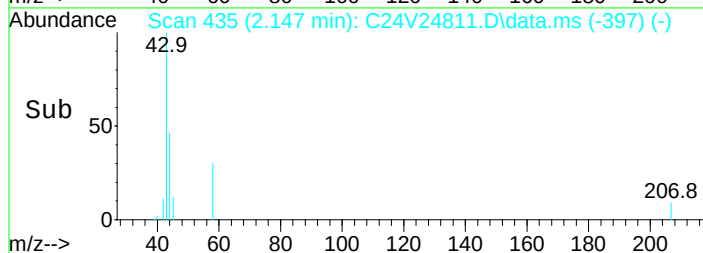
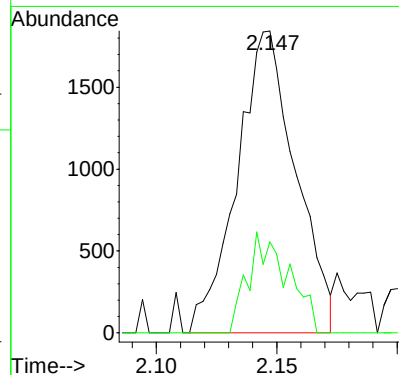
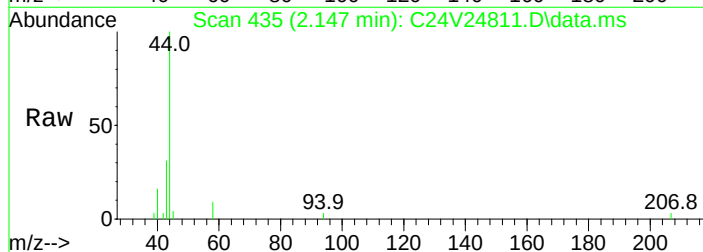
Acq: 4 Sep 2024 12:25 pm

Tgt Ion: 43 Resp: 3142

Ion Ratio Lower Upper

43 100

58 22.9 22.1 33.1



#26

TRANS 1,2-DICHLOROETHENE

Concen: 0.22 UG/L m

RT: 2.730 min Scan# 644

Delta R.T. 0.009 min

Lab File: C24V24811.D

Acq: 4 Sep 2024 12:25 pm

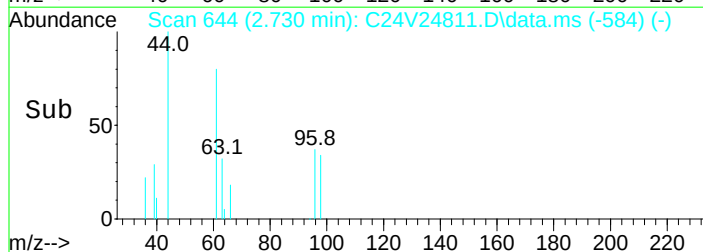
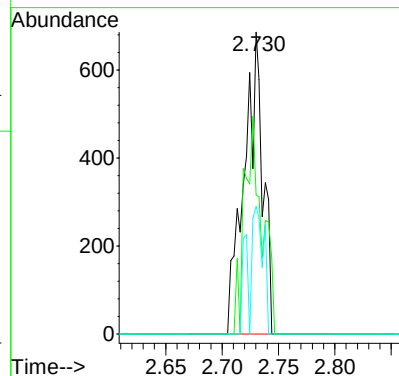
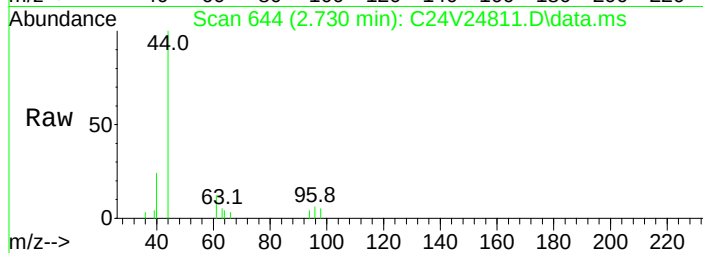
Tgt Ion: 61 Resp: 796

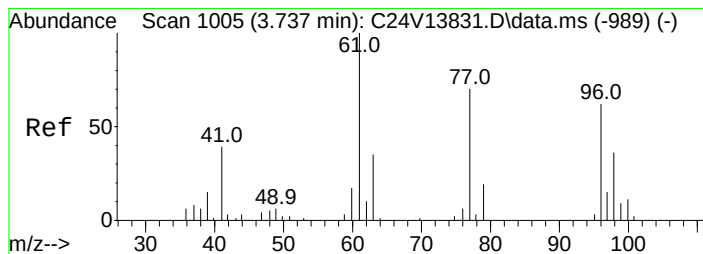
Ion Ratio Lower Upper

61 100

96 0.0 57.4 86.2#

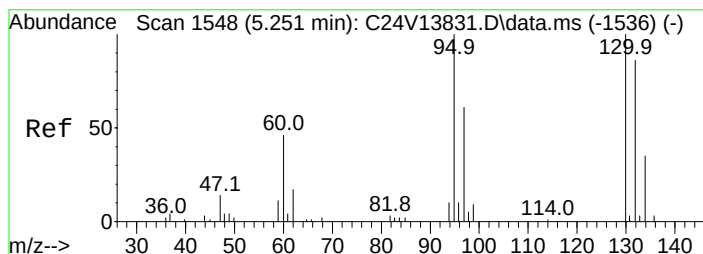
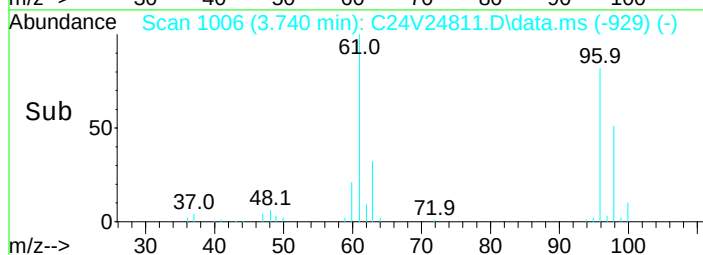
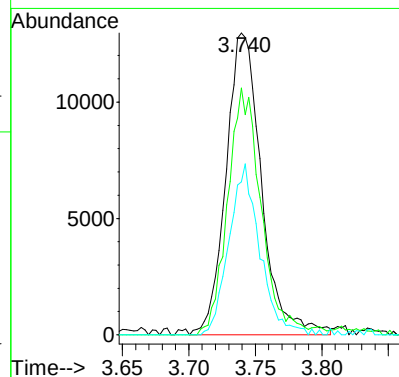
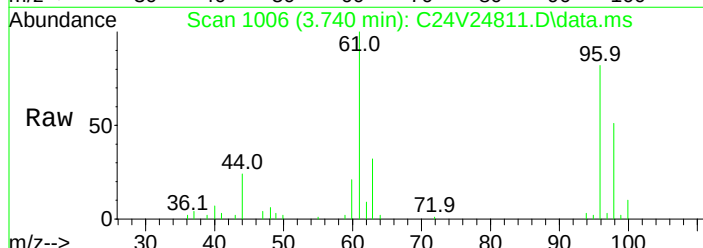
98 0.0 36.2 54.4#





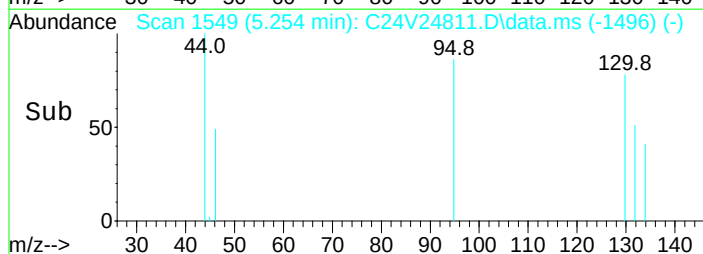
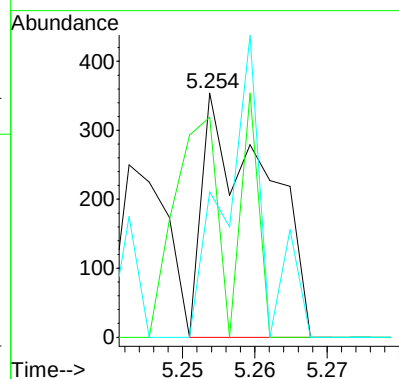
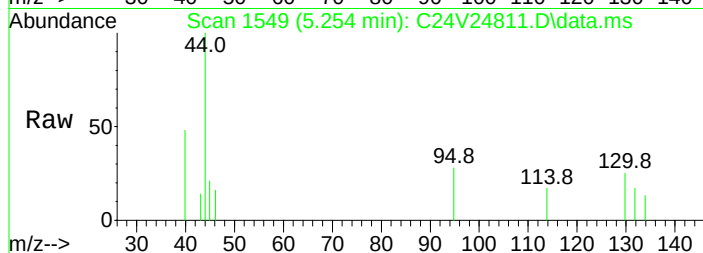
#33
 CIS-1,2-DICHLOROETHENE
 Concen: 5.94 UG/L
 RT: 3.740 min Scan# 1006
 Delta R.T. 0.001 min
 Lab File: C24V24811.D
 Acq: 4 Sep 2024 12:25 pm

Tgt Ion:	61	Resp:	24061
Ion Ratio	Lower	Upper	
61	100		
96	76.7	58.1	87.1
98	49.1	36.1	54.1



#52
 TRICHLOROETHENE
 Concen: 0.10 UG/L
 RT: 5.254 min Scan# 1549
 Delta R.T. -0.002 min
 Lab File: C24V24811.D
 Acq: 4 Sep 2024 12:25 pm

Tgt Ion:	95	Resp:	215
Ion Ratio	Lower	Upper	
95	100		
130	0.0	85.7	128.5#
132	0.0	84.7	127.1#

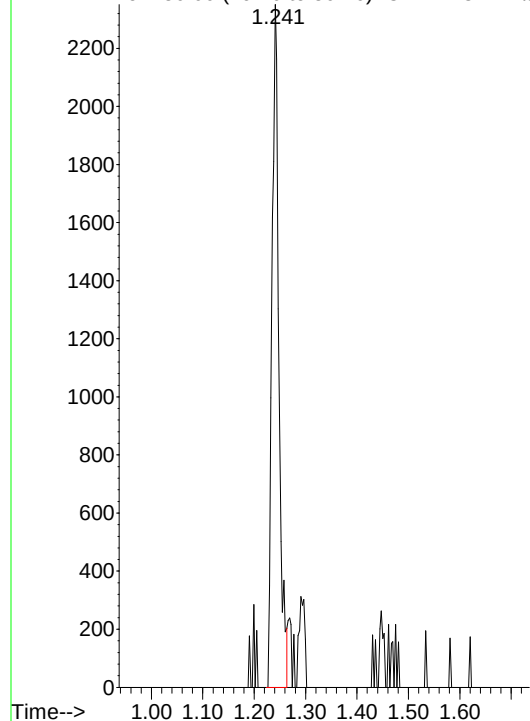


Data Path : C:\msdchem\1\data\C090424\
Data File : C24V24811.D
Acq On : 4 Sep 2024 12:25 pm
Operator :
Sample : 24H4216-01
Misc :

Quant Time : Wed Sep 04 13:03:01 2024
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Wed Jan 10 12:13:53 2024

Original Integration
CHLOROMETHANE

Abundance Ion 50.00 (49.70 to 50.70): C24V24811.D



Original Int. Results

RT : 1.24
Area : 2185
Amount: 0.522117

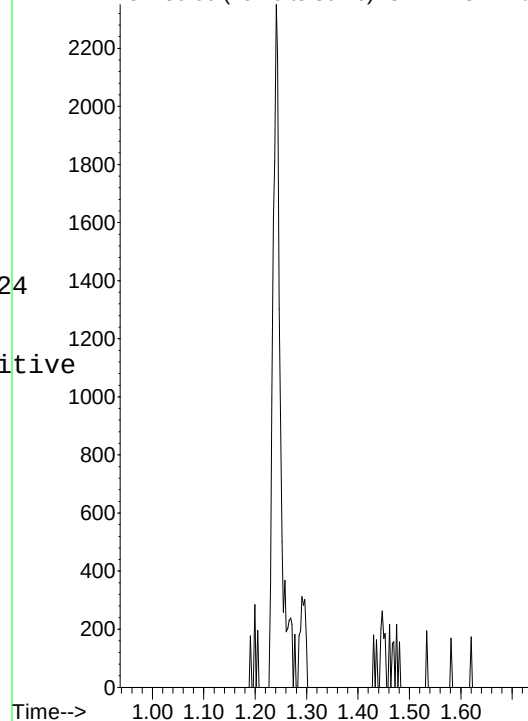
Manual Int. Results

Wed Sep 04 13:01:41 2024

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

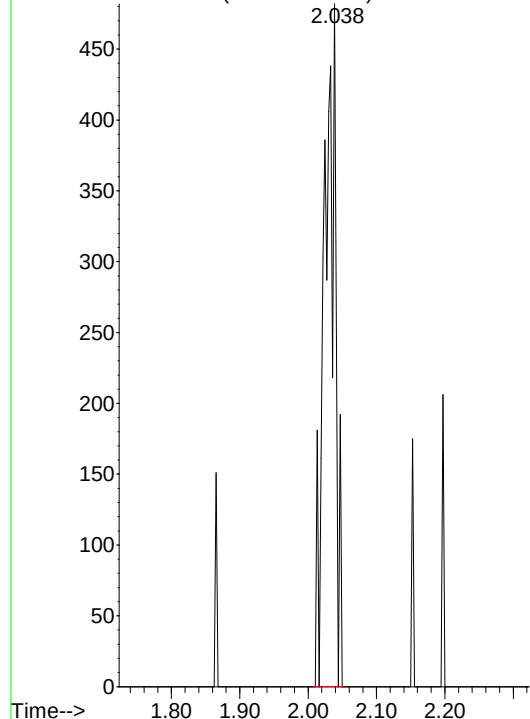
Manual Integration
CHLOROMETHANE

Abundance Ion 50.00 (49.70 to 50.70): C24V24811.D



Original Integration
ACROLEIN

Abundance Ion 56.00 (55.70 to 56.70): C24V24811.D



Original Int. Results

RT : 2.04
Area : 552
Amount: 1.0232

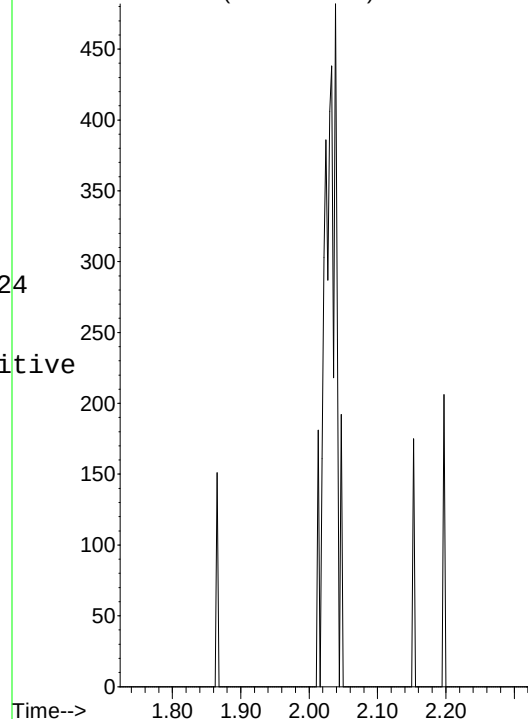
Manual Int. Results

Wed Sep 04 13:01:45 2024

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
ACROLEIN

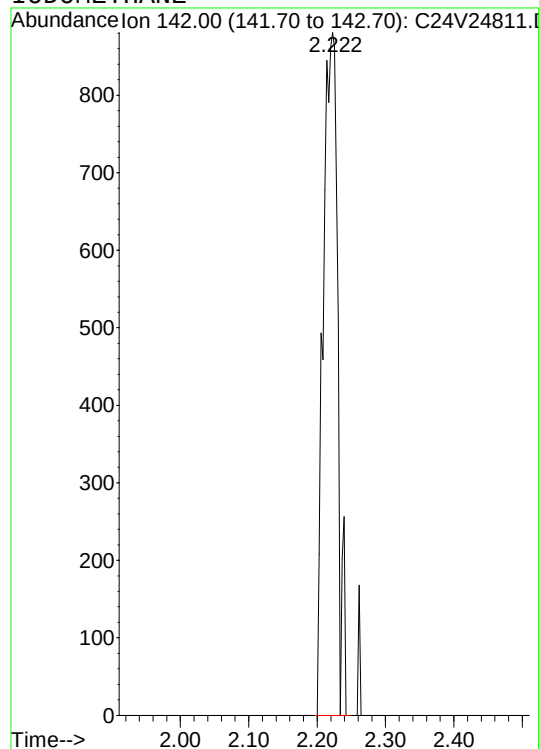
Abundance Ion 56.00 (55.70 to 56.70): C24V24811.D



Data Path : C:\msdchem\1\data\C090424\
Data File : C24V24811.D
Acq On : 4 Sep 2024 12:25 pm
Operator :
Sample : 24H4216-01
Misc :

Quant Time : Wed Sep 04 13:03:01 2024
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Wed Jan 10 12:13:53 2024

Original Integration
IODOMETHANE



Original Int. Results

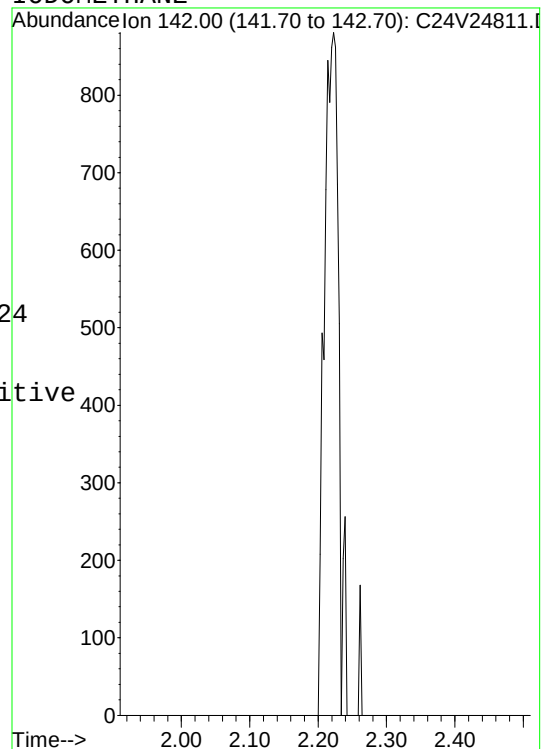
RT : 2.22
Area : 1293
Amount: 0.404471

Manual Int. Results

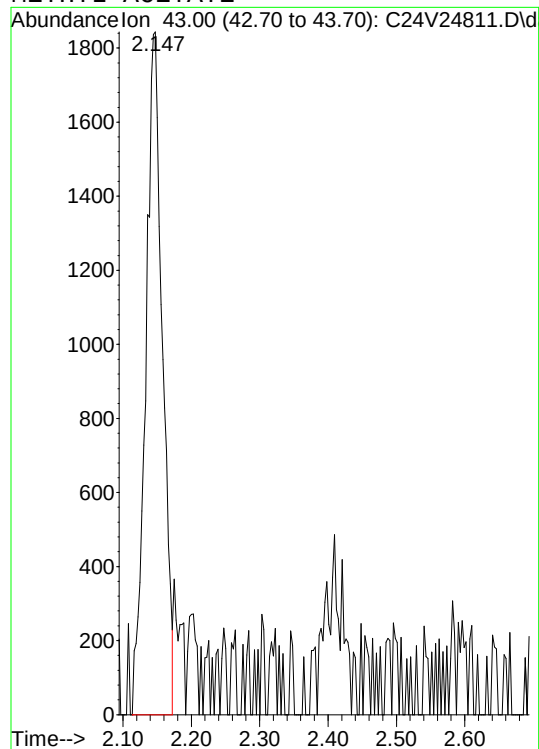
Wed Sep 04 13:02:01 2024

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
IODOMETHANE



Original Integration
METHYL ACETATE



Original Int. Results

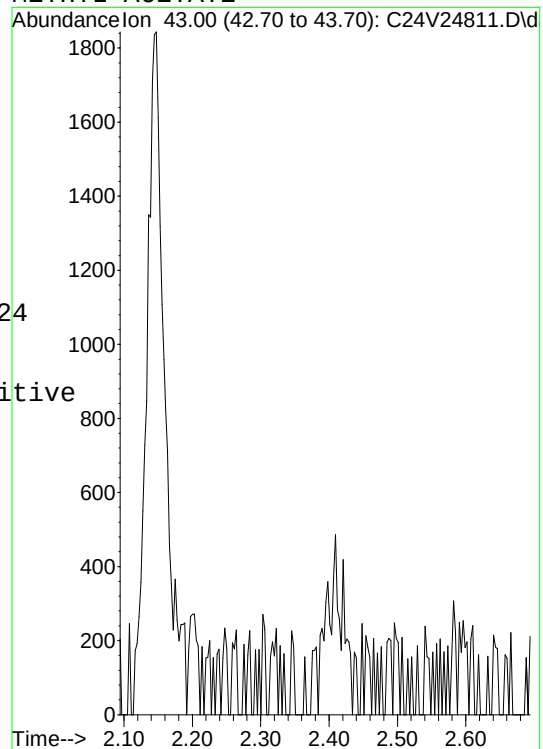
RT : 2.15
Area : 3142
Amount: 0.751514

Manual Int. Results

Wed Sep 04 13:02:07 2024

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

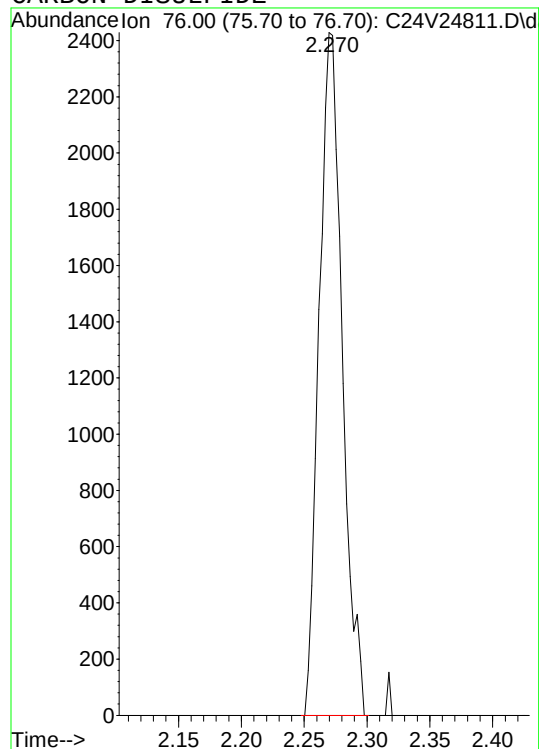
Manual Integration
METHYL ACETATE



Data Path : C:\msdchem\1\data\C090424\
Data File : C24V24811.D
Acq On : 4 Sep 2024 12:25 pm
Operator :
Sample : 24H4216-01
Misc :

Quant Time : Wed Sep 04 13:03:01 2024
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Wed Jan 10 12:13:53 2024

Original Integration
CARBON DISULFIDE



Original Int. Results

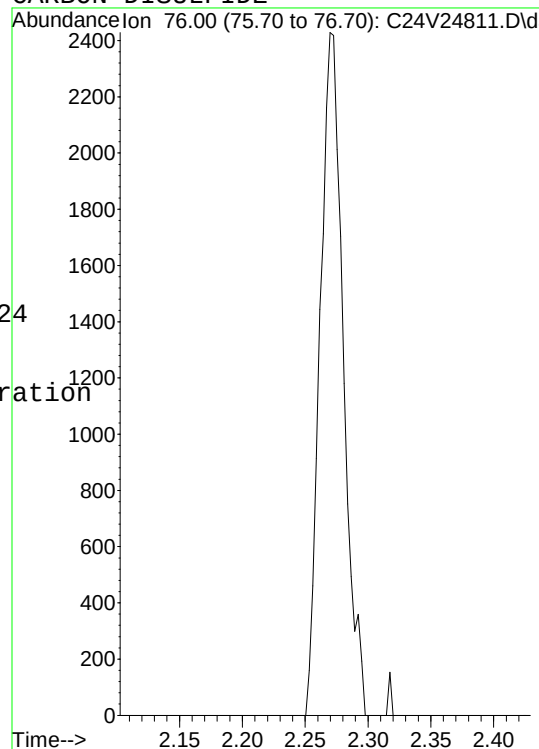
RT : 2.27
Area : 3128
Amount: 0.424113

Manual Int. Results

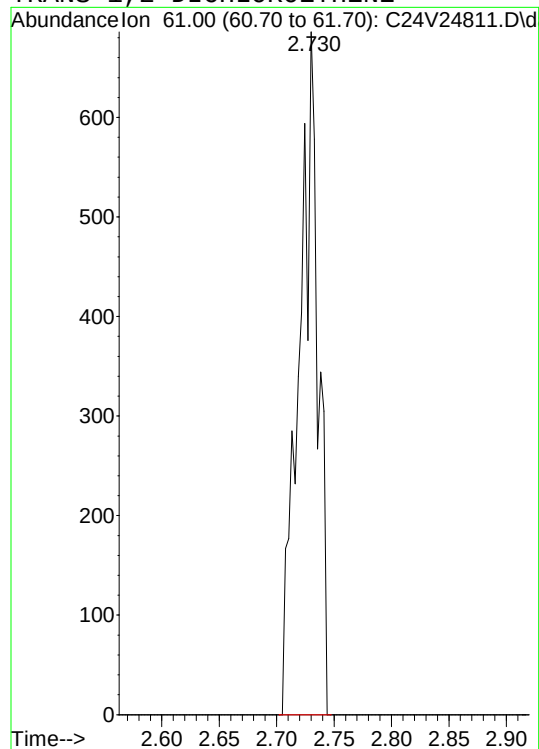
Wed Sep 04 13:02:12 2024

MIuser: MFF
Reason: Incoret Integration
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CARBON DISULFIDE



Original Integration
TRANS 1,2-DICHLOROETHENE



Original Int. Results

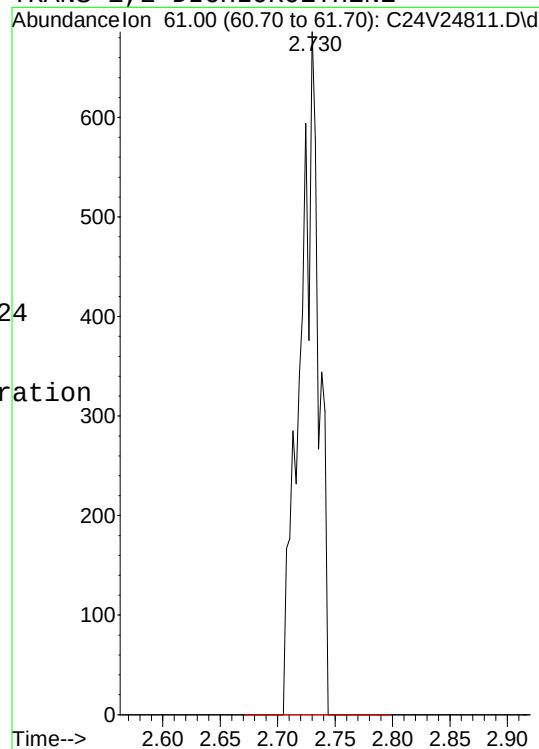
RT : 2.73
Area : 796
Amount: 0.218422

Manual Int. Results

Wed Sep 04 13:02:51 2024

MIuser: MFF
Reason: Incoret Integration
RT : 2.73
Area : 796
Amount: 0.218422

Manual Integration
TRANS 1,2-DICHLOROETHENE

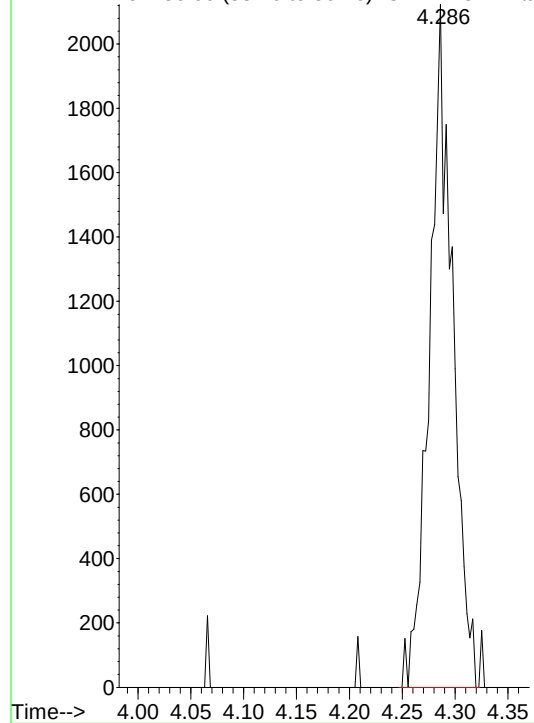


Data Path : C:\msdchem\1\data\C090424\
Data File : C24V24811.D
Acq On : 4 Sep 2024 12:25 pm
Operator :
Sample : 24H4216-01
Misc :

Quant Time : Wed Sep 04 13:03:01 2024
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Wed Jan 10 12:13:53 2024

Original Integration
CYCLOHEXANE

Abundance on 56.00 (55.70 to 56.70): C24V24811.D



Original Int. Results

RT : 4.29
Area : 3212
Amount: 0.769179

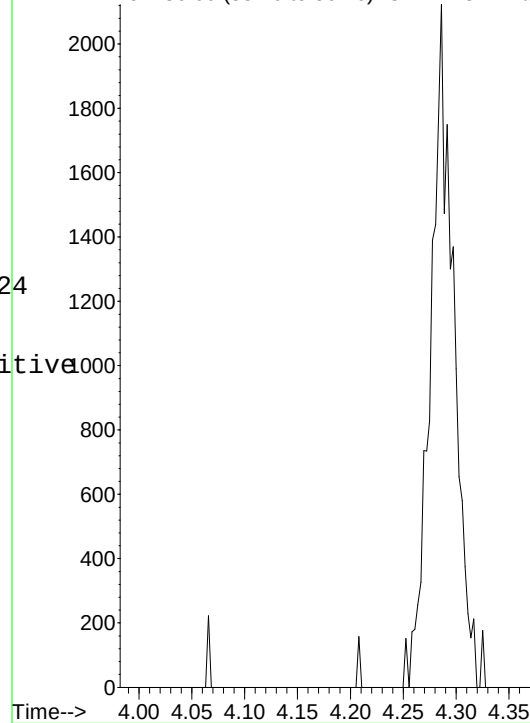
Manual Int. Results

Wed Sep 04 13:03:00 2024

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CYCLOHEXANE

Abundance on 56.00 (55.70 to 56.70): C24V24811.D



1 - FORM I

ANALYSIS DATA SHEET

645013-MW-302-20240828

Laboratory:	Pace New England	Work Order:	24H4216
Client:	NYDEC_EA Engineering, Science &	Project:	North Lawrence Oil Dump - CO 152166
Matrix:	Ground Water	Laboratory ID:	24H4216-02
		File ID:	C24V24812.D
Sampled:	08/28/24 11:52	Prepared:	09/03/24 13:25
		Analyzed:	09/04/24 12:52
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B384838	Sequence:	S109958
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone		2.0	50	
71-43-2	Benzene		0.14	1.0	
74-97-5	Bromochloromethane		0.32	1.0	
75-27-4	Bromodichloromethane		0.19	0.50	
75-25-2	Bromoform		0.30	1.0	
74-83-9	Bromomethane		1.5	2.0	
78-93-3	2-Butanone (MEK)		1.4	20	
104-51-8	n-Butylbenzene		0.16	1.0	
135-98-8	sec-Butylbenzene		0.16	1.0	
98-06-6	tert-Butylbenzene		0.17	1.0	
75-15-0	Carbon Disulfide		1.5	5.0	
56-23-5	Carbon Tetrachloride		0.19	5.0	L-04, V-05
108-90-7	Chlorobenzene		0.18	1.0	
124-48-1	Chlorodibromomethane		0.13	0.50	
75-00-3	Chloroethane		0.46	2.0	
67-66-3	Chloroform		0.19	2.0	
74-87-3	Chloromethane		0.50	2.0	
110-82-7	Cyclohexane		1.8	5.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.63	5.0	
106-93-4	1,2-Dibromoethane (EDB)		0.13	0.50	
95-50-1	1,2-Dichlorobenzene		0.17	1.0	
541-73-1	1,3-Dichlorobenzene		0.15	1.0	
106-46-7	1,4-Dichlorobenzene		0.17	1.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.20	2.0	
75-34-3	1,1-Dichloroethane		0.15	1.0	
107-06-2	1,2-Dichloroethane		0.13	1.0	
75-35-4	1,1-Dichloroethylene		0.18	1.0	
156-59-2	cis-1,2-Dichloroethylene		0.20	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.16	1.0	

1 - FORM I

ANALYSIS DATA SHEET

645013-MW-302-20240828

Laboratory:	Pace New England	Work Order:	24H4216
Client:	NYDEC_EA Engineering, Science &	Project:	North Lawrence Oil Dump - CO 152166
Matrix:	Ground Water	Laboratory ID:	24H4216-02
		File ID:	C24V24812.D
Sampled:	08/28/24 11:52	Prepared:	09/03/24 13:25
		Analyzed:	09/04/24 12:52
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B384838	Sequence:	S109958
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
78-87-5	1,2-Dichloropropane		0.17	1.0	
10061-01-5	cis-1,3-Dichloropropene		0.13	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.14	0.50	
100-41-4	Ethylbenzene		0.14	1.0	
591-78-6	2-Hexanone (MBK)		1.3	10	
98-82-8	Isopropylbenzene (Cumene)		0.16	1.0	
99-87-6	p-Isopropyltoluene (p-Cymene)		0.16	1.0	
79-20-9	Methyl Acetate		0.48	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.17	1.0	
108-87-2	Methyl Cyclohexane		0.13	1.0	
75-09-2	Methylene Chloride		0.19	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.4	10	
91-20-3	Naphthalene		0.25	2.0	V-05
103-65-1	n-Propylbenzene		0.11	1.0	
100-42-5	Styrene		0.13	1.0	
79-34-5	1,1,2,2-Tetrachloroethane		0.10	0.50	
127-18-4	Tetrachloroethylene		0.17	1.0	
108-88-3	Toluene		0.11	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.22	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.19	1.0	V-05
71-55-6	1,1,1-Trichloroethane		0.14	1.0	
79-00-5	1,1,2-Trichloroethane		0.18	1.0	
79-01-6	Trichloroethylene		0.17	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.14	2.0	
96-18-4	1,2,3-Trichloropropane		0.27	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)		0.16	1.0	
95-63-6	1,2,4-Trimethylbenzene		0.16	1.0	
108-67-8	1,3,5-Trimethylbenzene		0.17	1.0	
75-01-4	Vinyl Chloride		0.19	2.0	

1 - FORM I

ANALYSIS DATA SHEET

645013-MW-302-20240828

Laboratory: Pace New England Work Order: 24H4216
Client: NYDEC_EA Engineering, Science & Technology Project: North Lawrence Oil Dump - CO 152166
Matrix: Ground Water Laboratory ID: 24H4216-02 File ID: C24V24812.D
Sampled: 08/28/24 11:52 Prepared: 09/03/24 13:25 Analyzed: 09/04/24 12:52
Solids: Preparation: SW-846 5030B Dilution: 1
Initial/Final: 5 mL / 5 mL
Batch: B384838 Sequence: S109958 Calibration: 2200537 Instrument: GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
179601-23-1	m+p Xylene		0.25	2.0	
95-47-6	o-Xylene		0.16	1.0	
1330-20-7	Xylenes (total)		1.0	1.0	

Data Path : C:\msdchem\1\data\C090424\
 Data File : C24V24812.D
 Acq On : 4 Sep 2024 12:52 pm
 Operator :
 Sample : 24H4216-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Inst : GCMSVOA3

Quant Time: Sep 04 14:00:55 2024
 Quant Method : C:\msdchem\1\methods\C080822.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Wed Jan 10 12:13:53 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) PENTAFLUOROBENZENE - ISTD	4.292	168	171766	30.00	UG/L	0.00
49) 1,4-DIFLUOROBENZENE - ...	5.008	114	224769	30.00	UG/L	0.00
72) CHLOROBENZENE-D5 ISTD	7.841	82	99491	30.00	UG/L	0.00
91) 1,4-DICHLOROBENZENE-D4...	10.139	152	75295	30.00	UG/L	# 0.00
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4 SS	4.562	65	74116	22.99	UG/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	91.96%		
50) TOLUENE SS	6.442	98	207549	23.32	UG/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	93.28%		
73) 4-BROMOFLUOROBENZENE SS	8.999	95	60609	20.55	UG/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	82.20%		

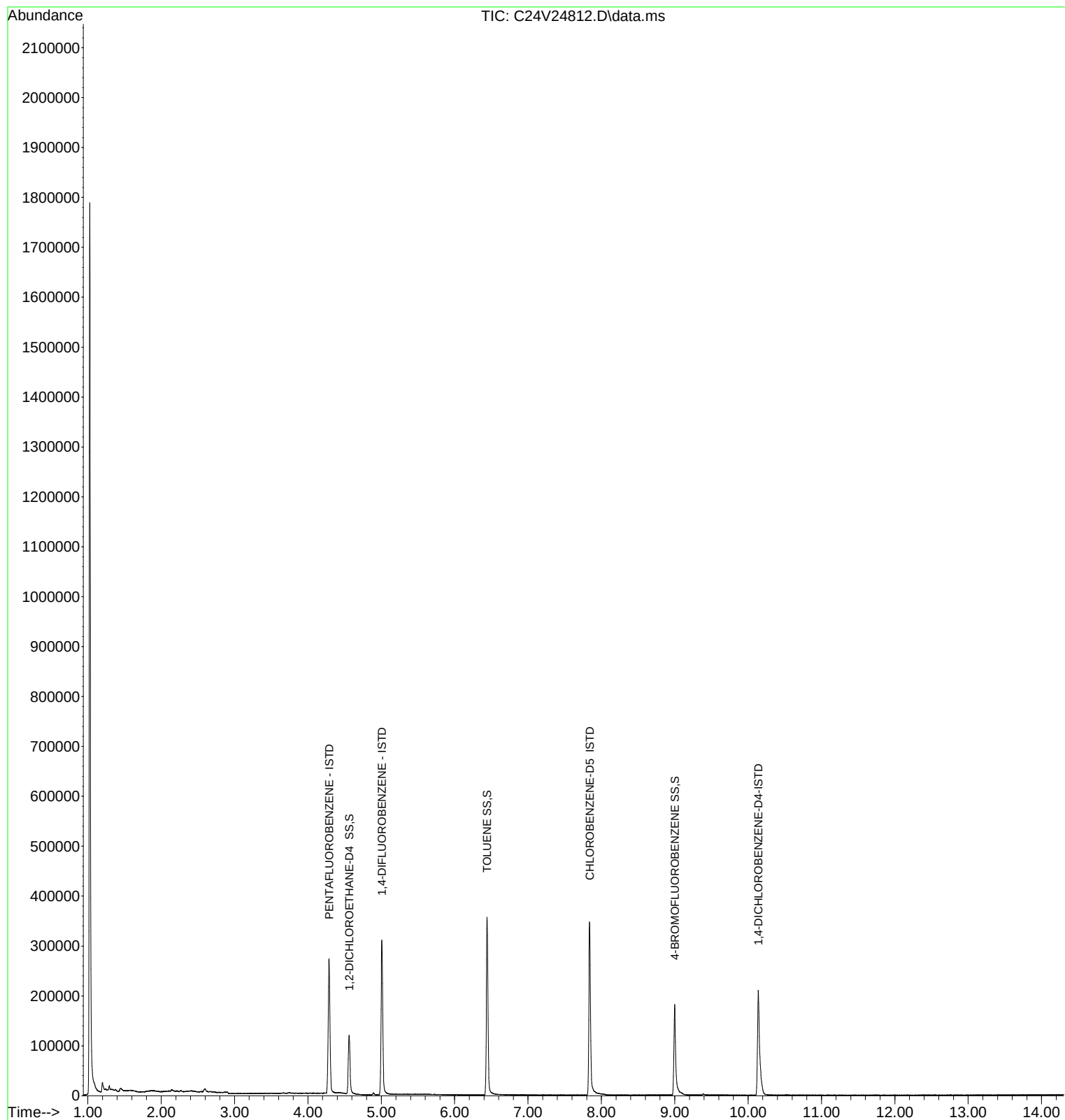
Target Compounds	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\data\C090424\
Data File : C24V24812.D
Acq On : 4 Sep 2024 12:52 pm
Operator :
Sample : 24H4216-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Inst : GCMSVOA3

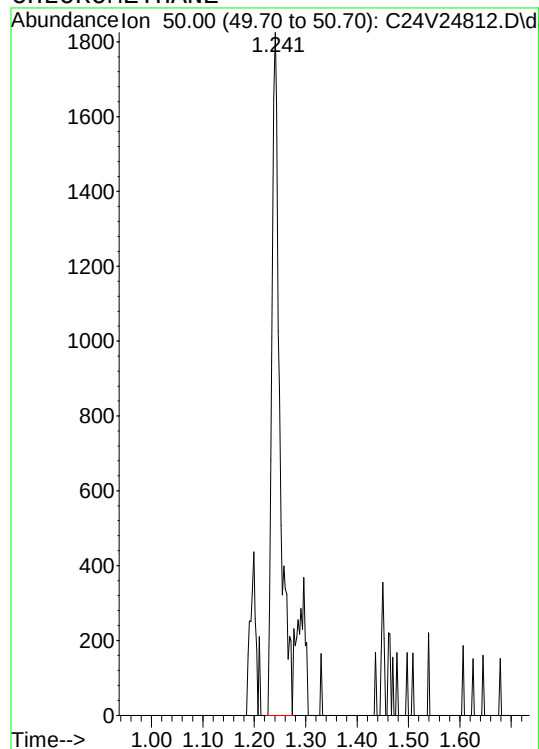
Quant Time: Sep 04 14:00:55 2024
Quant Method : C:\msdchem\1\methods\C080822.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
QLast Update : Wed Jan 10 12:13:53 2024
Response via : Initial Calibration



Data Path : C:\msdchem\1\data\C090424\
Data File : C24V24812.D
Acq On : 4 Sep 2024 12:52 pm
Operator :
Sample : 24H4216-02
Misc :

Quant Time : Wed Sep 04 14:00:55 2024
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Wed Jan 10 12:13:53 2024

Original Integration
CHLOROMETHANE



Original Int. Results

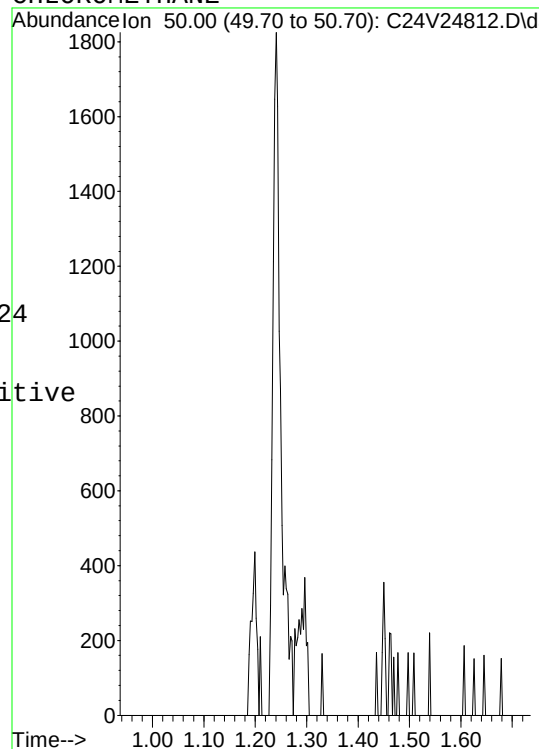
RT : 1.24
Area : 1947
Amount: 0.479262

Manual Int. Results

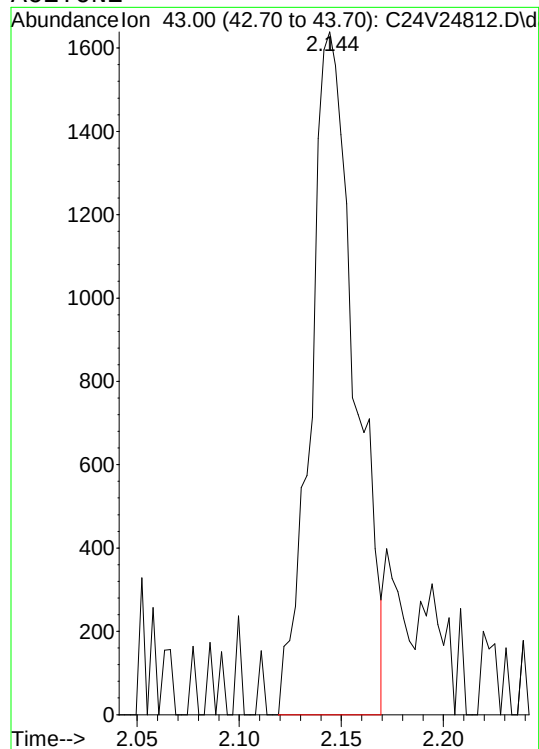
Wed Sep 04 13:59:40 2024

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CHLOROMETHANE



Original Integration
ACETONE



Original Int. Results

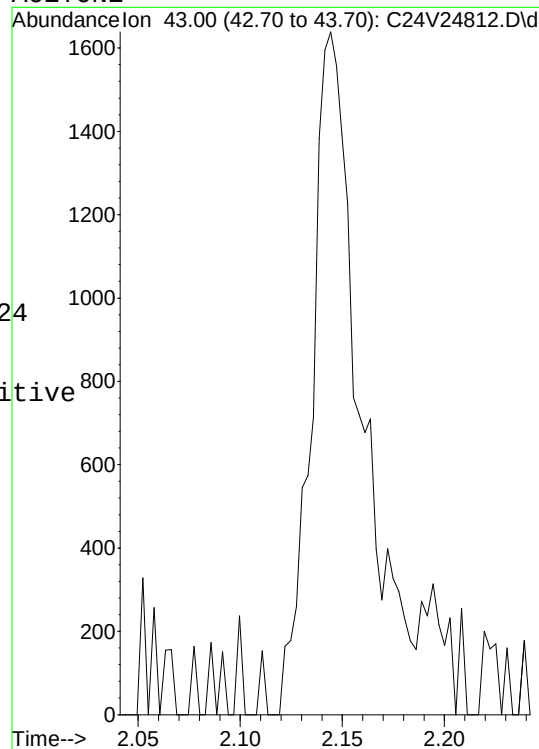
RT : 2.14
Area : 2471
Amount: 2.37009

Manual Int. Results

Wed Sep 04 14:00:12 2024

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

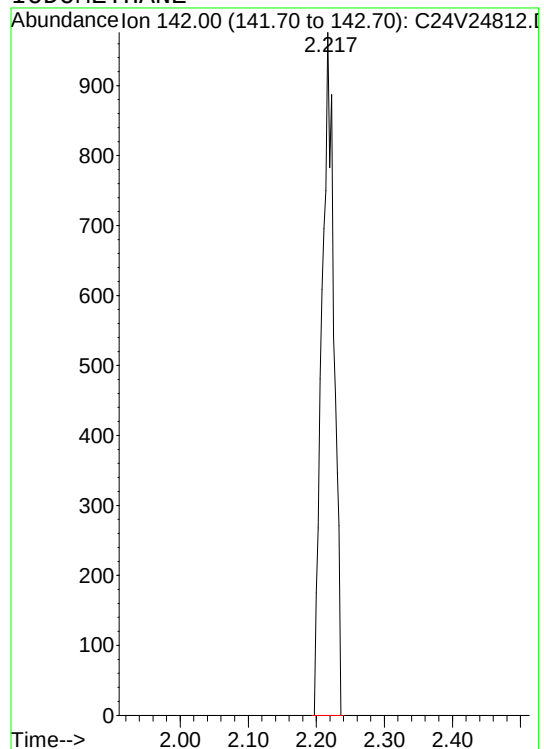
Manual Integration
ACETONE



Data Path : C:\msdchem\1\data\C090424\
Data File : C24V24812.D
Acq On : 4 Sep 2024 12:52 pm
Operator :
Sample : 24H4216-02
Misc :

Quant Time : Wed Sep 04 14:00:55 2024
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Wed Jan 10 12:13:53 2024

Original Integration
IODOMETHANE



Original Int. Results

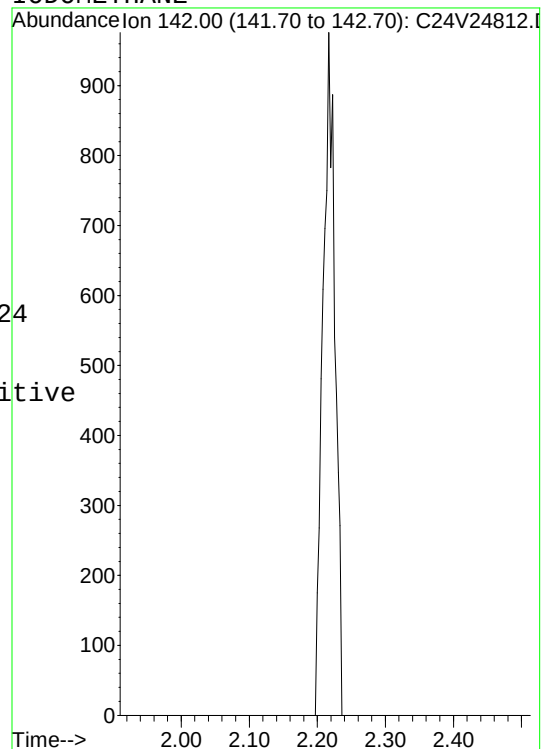
RT : 2.22
Area : 1212
Amount: 0.390555

Manual Int. Results

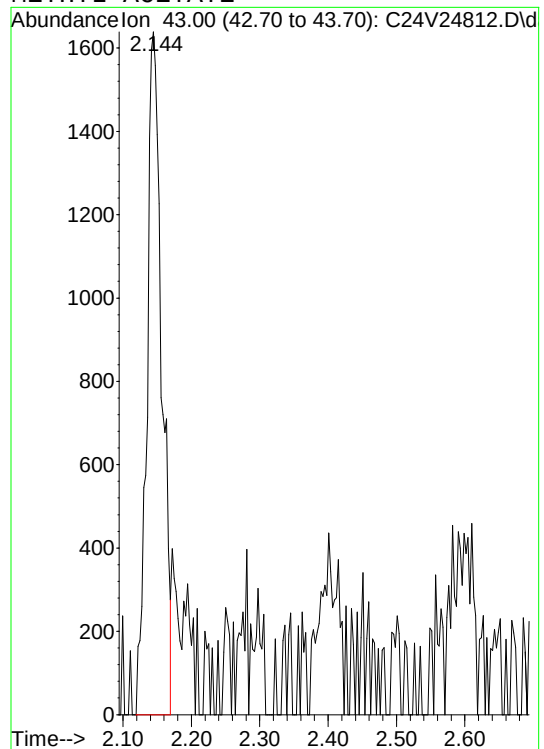
Wed Sep 04 14:00:16 2024

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
IODOMETHANE



Original Integration
METHYL ACETATE



Original Int. Results

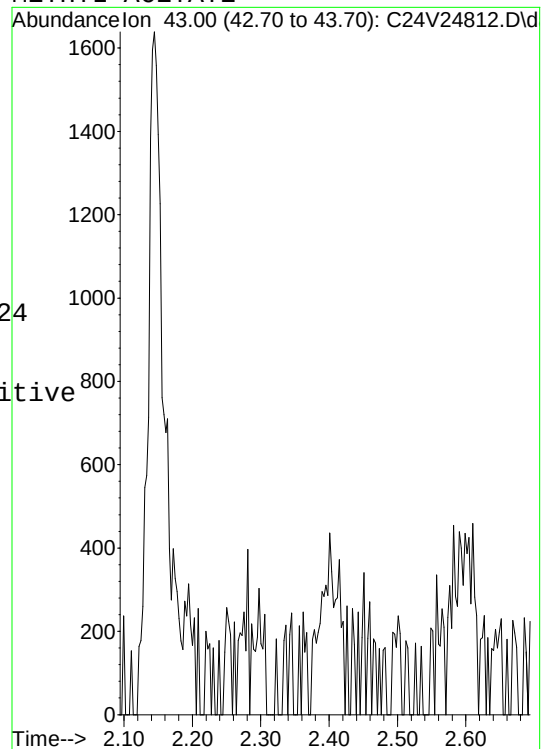
RT : 2.14
Area : 2471
Amount: 0.608828

Manual Int. Results

Wed Sep 04 14:00:21 2024

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
METHYL ACETATE



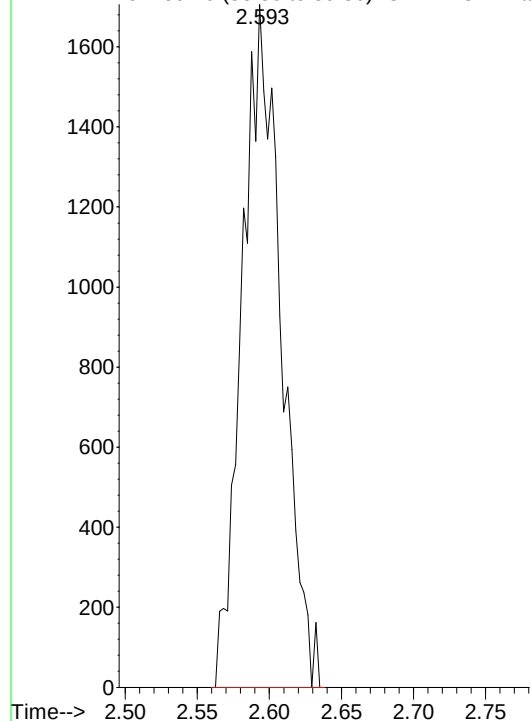
Data Path : C:\msdchem\1\data\C090424\
Data File : C24V24812.D
Acq On : 4 Sep 2024 12:52 pm
Operator :
Sample : 24H4216-02
Misc :

Quant Time : Wed Sep 04 14:00:55 2024
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Wed Jan 10 12:13:53 2024

Original Integration

T-BUTYL ALCOHOL

Abundance Ion 59.10 (58.80 to 59.80): C24V24812.D



Original Int. Results

RT : 2.59
Area : 3233
Amount: 7.86078

Manual Int. Results

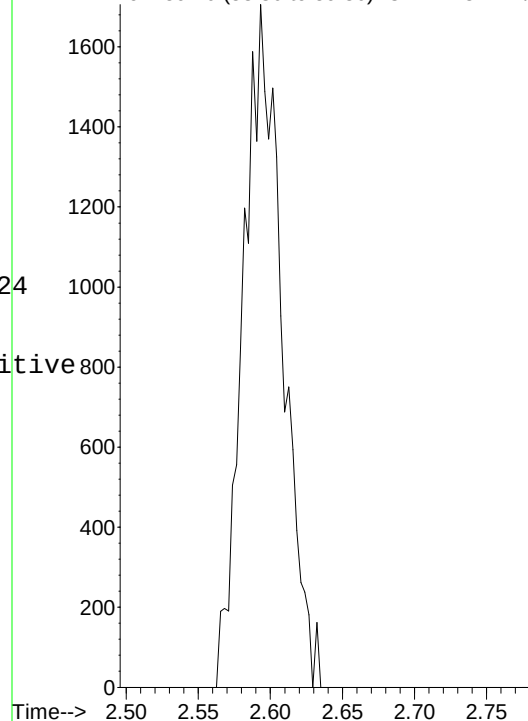
Wed Sep 04 14:00:25 2024

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration

T-BUTYL ALCOHOL

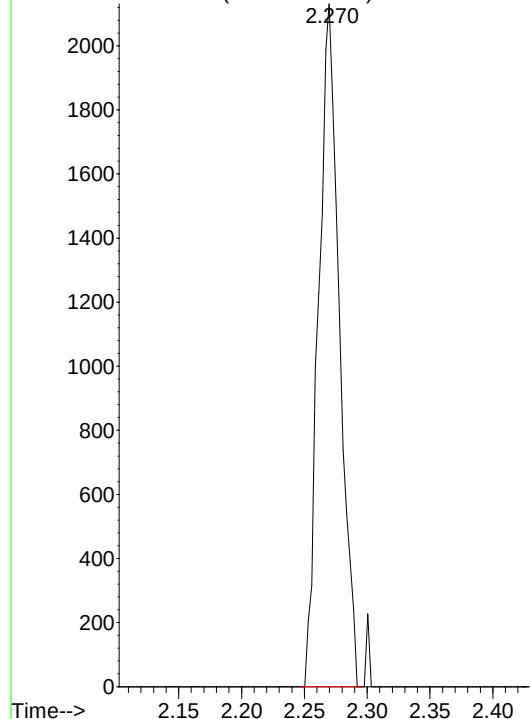
Abundance Ion 59.10 (58.80 to 59.80): C24V24812.D



Original Integration

CARBON DISULFIDE

Abundance Ion 76.00 (75.70 to 76.70): C24V24812.D



Original Int. Results

RT : 2.27
Area : 2465
Amount: 0.344289

Manual Int. Results

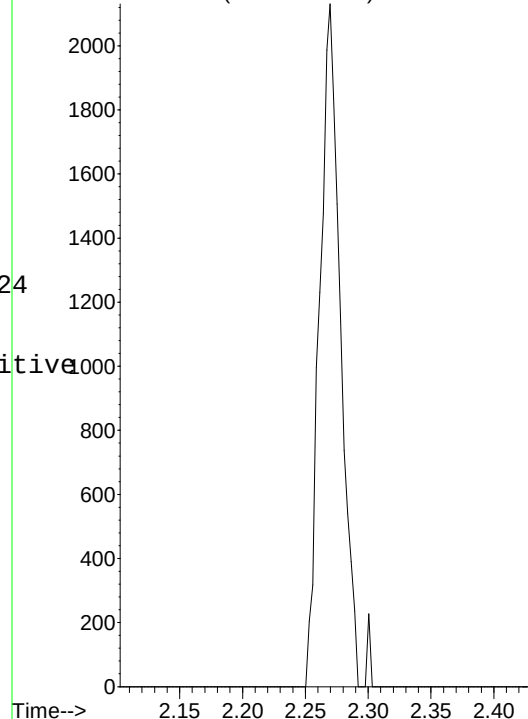
Wed Sep 04 14:00:29 2024

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration

CARBON DISULFIDE

Abundance Ion 76.00 (75.70 to 76.70): C24V24812.D

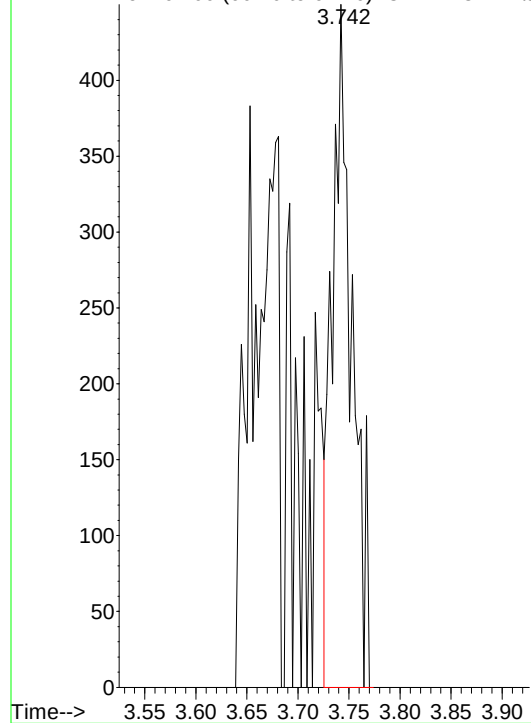


Data Path : C:\msdchem\1\data\C090424\
Data File : C24V24812.D
Acq On : 4 Sep 2024 12:52 pm
Operator :
Sample : 24H4216-02
Misc :

Quant Time : Wed Sep 04 14:00:55 2024
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Wed Jan 10 12:13:53 2024

Original Integration
CIS-1,2-DICHLOROETHENE

Abundance Ion 61.00 (60.70 to 61.70): C24V24812.D



Original Int. Results

RT : 3.74
Area : 607
Amount: 0.154445

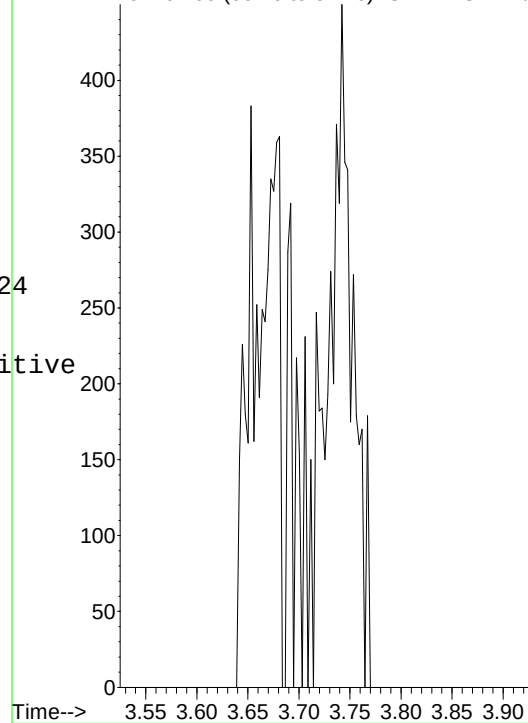
Manual Int. Results

Wed Sep 04 14:00:50 2024

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

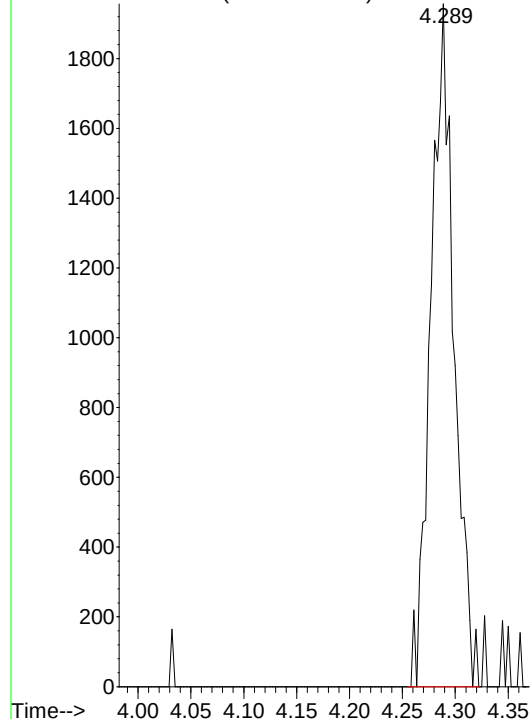
Manual Integration
CIS-1,2-DICHLOROETHENE

Abundance Ion 61.00 (60.70 to 61.70): C24V24812.D



Original Integration
CYCLOHEXANE

Abundance Ion 56.00 (55.70 to 56.70): C24V24812.D



Original Int. Results

RT : 4.29
Area : 2996
Amount: 0.739069

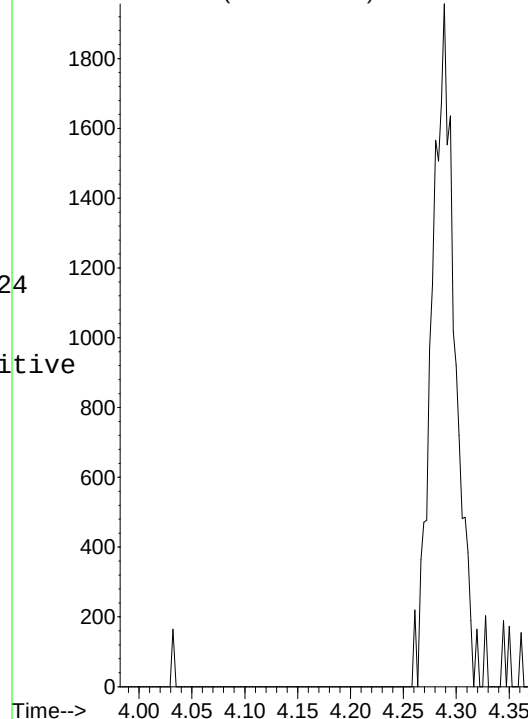
Manual Int. Results

Wed Sep 04 14:00:54 2024

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CYCLOHEXANE

Abundance Ion 56.00 (55.70 to 56.70): C24V24812.D



1 - FORM I

ANALYSIS DATA SHEET

645013-MW-303-20240828

Laboratory:	Pace New England	Work Order:	24H4216
Client:	NYDEC_EA Engineering, Science &	Project:	North Lawrence Oil Dump - CO 152166
Matrix:	Ground Water	Laboratory ID:	24H4216-03
		File ID:	C24V24813.D
Sampled:	08/28/24 12:39	Prepared:	09/03/24 13:25
		Analyzed:	09/04/24 13:19
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B384838	Sequence:	S109958
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone	2.6	2.0	50	J
71-43-2	Benzene		0.14	1.0	
74-97-5	Bromochloromethane		0.32	1.0	
75-27-4	Bromodichloromethane		0.19	0.50	
75-25-2	Bromoform		0.30	1.0	
74-83-9	Bromomethane		1.5	2.0	
78-93-3	2-Butanone (MEK)		1.4	20	
104-51-8	n-Butylbenzene		0.16	1.0	
135-98-8	sec-Butylbenzene		0.16	1.0	
98-06-6	tert-Butylbenzene		0.17	1.0	
75-15-0	Carbon Disulfide		1.5	5.0	
56-23-5	Carbon Tetrachloride		0.19	5.0	L-04, V-05
108-90-7	Chlorobenzene		0.18	1.0	
124-48-1	Chlorodibromomethane		0.13	0.50	
75-00-3	Chloroethane		0.46	2.0	
67-66-3	Chloroform		0.19	2.0	
74-87-3	Chloromethane		0.50	2.0	
110-82-7	Cyclohexane		1.8	5.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.63	5.0	
106-93-4	1,2-Dibromoethane (EDB)		0.13	0.50	
95-50-1	1,2-Dichlorobenzene		0.17	1.0	
541-73-1	1,3-Dichlorobenzene		0.15	1.0	
106-46-7	1,4-Dichlorobenzene		0.17	1.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.20	2.0	
75-34-3	1,1-Dichloroethane		0.15	1.0	
107-06-2	1,2-Dichloroethane		0.13	1.0	
75-35-4	1,1-Dichloroethylene		0.18	1.0	
156-59-2	cis-1,2-Dichloroethylene		0.20	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.16	1.0	

1 - FORM I

ANALYSIS DATA SHEET

645013-MW-303-20240828

Laboratory:	Pace New England	Work Order:	24H4216
Client:	NYDEC_EA Engineering, Science &	Project:	North Lawrence Oil Dump - CO 152166
Matrix:	Ground Water	Laboratory ID:	24H4216-03
		File ID:	C24V24813.D
Sampled:	08/28/24 12:39	Prepared:	09/03/24 13:25
		Analyzed:	09/04/24 13:19
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B384838	Sequence:	S109958
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
78-87-5	1,2-Dichloropropane		0.17	1.0	
10061-01-5	cis-1,3-Dichloropropene		0.13	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.14	0.50	
100-41-4	Ethylbenzene		0.14	1.0	
591-78-6	2-Hexanone (MBK)		1.3	10	
98-82-8	Isopropylbenzene (Cumene)		0.16	1.0	
99-87-6	p-Isopropyltoluene (p-Cymene)		0.16	1.0	
79-20-9	Methyl Acetate		0.48	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.17	1.0	
108-87-2	Methyl Cyclohexane		0.13	1.0	
75-09-2	Methylene Chloride		0.19	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.4	10	
91-20-3	Naphthalene		0.25	2.0	V-05
103-65-1	n-Propylbenzene		0.11	1.0	
100-42-5	Styrene		0.13	1.0	
79-34-5	1,1,2,2-Tetrachloroethane		0.10	0.50	
127-18-4	Tetrachloroethylene		0.17	1.0	
108-88-3	Toluene		0.11	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.22	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.19	1.0	V-05
71-55-6	1,1,1-Trichloroethane		0.14	1.0	
79-00-5	1,1,2-Trichloroethane		0.18	1.0	
79-01-6	Trichloroethylene		0.17	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.14	2.0	
96-18-4	1,2,3-Trichloropropane		0.27	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)		0.16	1.0	
95-63-6	1,2,4-Trimethylbenzene		0.16	1.0	
108-67-8	1,3,5-Trimethylbenzene		0.17	1.0	
75-01-4	Vinyl Chloride		0.19	2.0	

1 - FORM I

ANALYSIS DATA SHEET

645013-MW-303-20240828

Laboratory: Pace New England Work Order: 24H4216
Client: NYDEC_EA Engineering, Science & Technology Project: North Lawrence Oil Dump - CO 152166
Matrix: Ground Water Laboratory ID: 24H4216-03 File ID: C24V24813.D
Sampled: 08/28/24 12:39 Prepared: 09/03/24 13:25 Analyzed: 09/04/24 13:19
Solids: Preparation: SW-846 5030B Dilution: 1
Initial/Final: 5 mL / 5 mL
Batch: B384838 Sequence: S109958 Calibration: 2200537 Instrument: GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
179601-23-1	m+p Xylene		0.25	2.0	
95-47-6	o-Xylene		0.16	1.0	
1330-20-7	Xylenes (total)		1.0	1.0	

Data Path : C:\msdchem\1\data\C090424\
 Data File : C24V24813.D
 Acq On : 4 Sep 2024 1:19 pm
 Operator :
 Sample : 24H4216-03
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Inst : GCMSVOA3

Quant Time: Sep 04 14:02:39 2024
 Quant Method : C:\msdchem\1\methods\C080822.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Wed Jan 10 12:13:53 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) PENTAFLUOROBENZENE - ISTD	4.289	168	175823	30.00	UG/L	0.00
49) 1,4-DIFLUOROBENZENE - ...	5.008	114	261396	30.00	UG/L	0.00
72) CHLOROBENZENE-D5 ISTD	7.841	82	100669	30.00	UG/L	0.00
91) 1,4-DICHLOROBENZENE-D4...	10.142	152	74522	30.00	UG/L	# 0.00
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4 SS	4.562	65	79591	24.12	UG/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery	=	96.48%	
50) TOLUENE SS	6.442	98	219908	21.24	UG/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery	=	84.96%	
73) 4-BROMOFLUOROBENZENE SS	8.999	95	59211	19.84	UG/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery	=	79.36%	
Target Compounds						
14) ACETONE	2.142	43	2773	2.60	UG/L	Qvalue 96

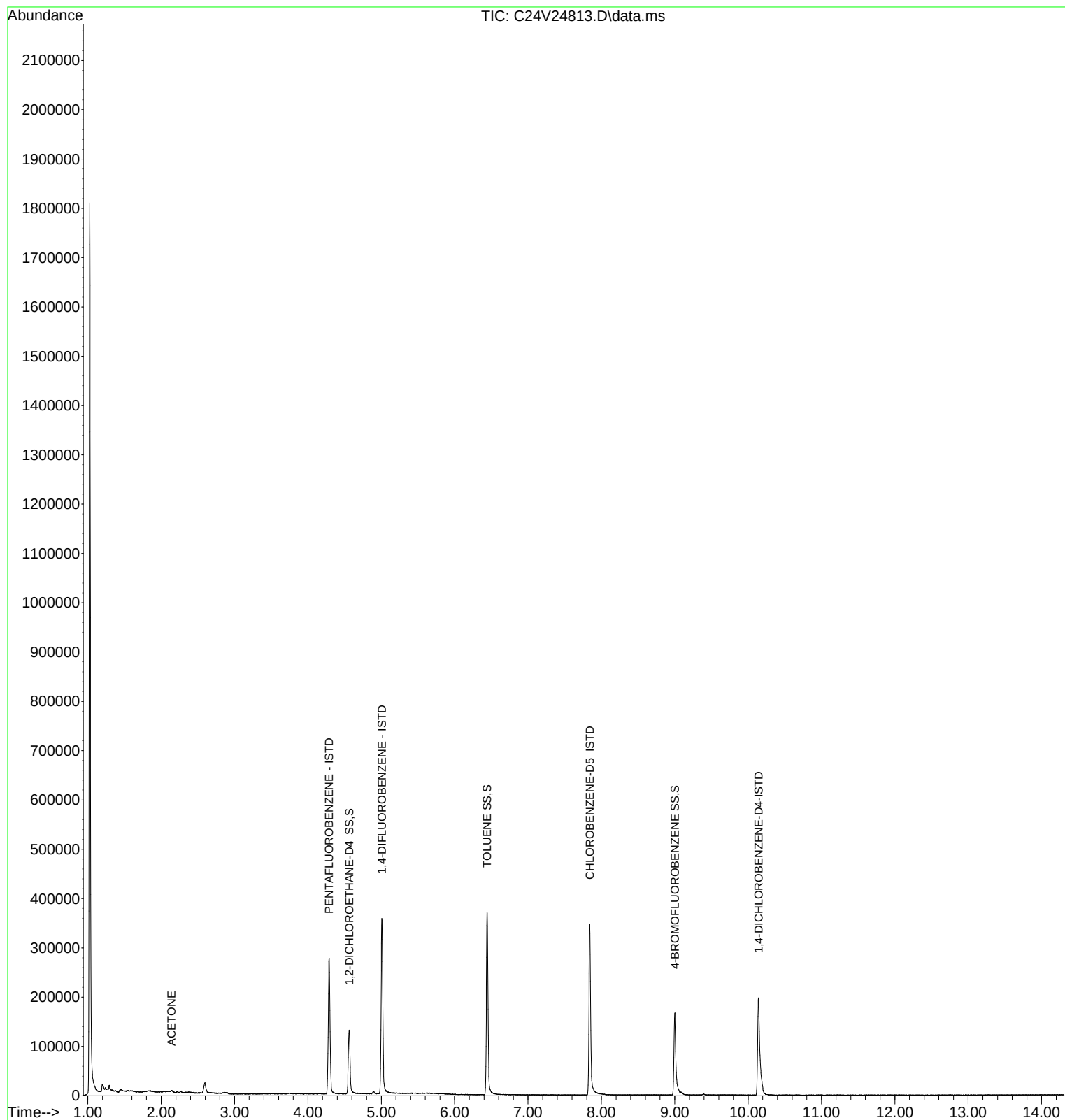
(#) = qualifier out of range (m) = manual integration (+) = signals summed

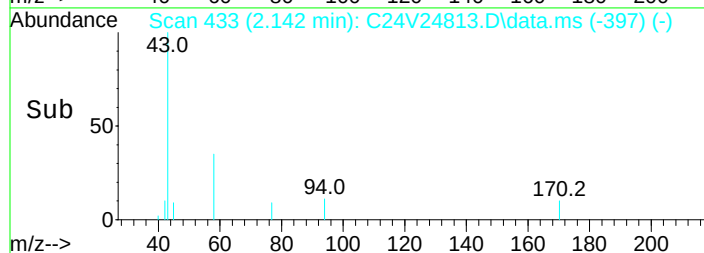
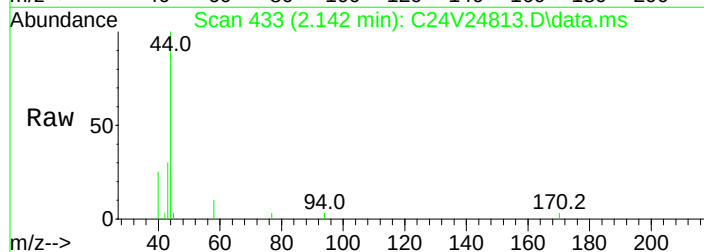
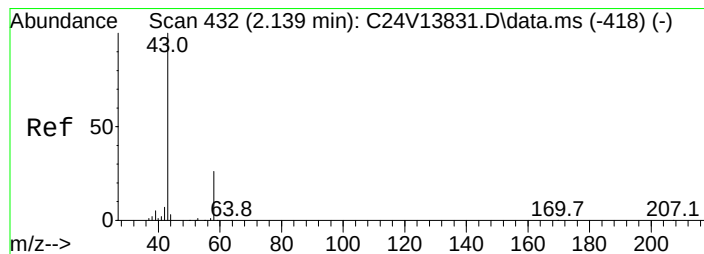
Data Path : C:\msdchem\1\data\C090424\
Data File : C24V24813.D
Acq On : 4 Sep 2024 1:19 pm
Operator :
Sample : 24H4216-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Inst : GCMSVOA3

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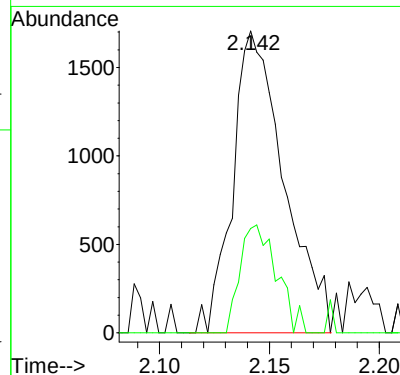
Quant Time: Sep 04 14:02:39 2024
Quant Method : C:\msdchem\1\methods\C080822.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
QLast Update : Wed Jan 10 12:13:53 2024
Response via : Initial Calibration





#14
ACETONE
Concen: 2.60 UG/L
RT: 2.142 min Scan# 433
Delta R.T. 0.006 min
Lab File: C24V24813.D
Acq: 4 Sep 2024 1:19 pm

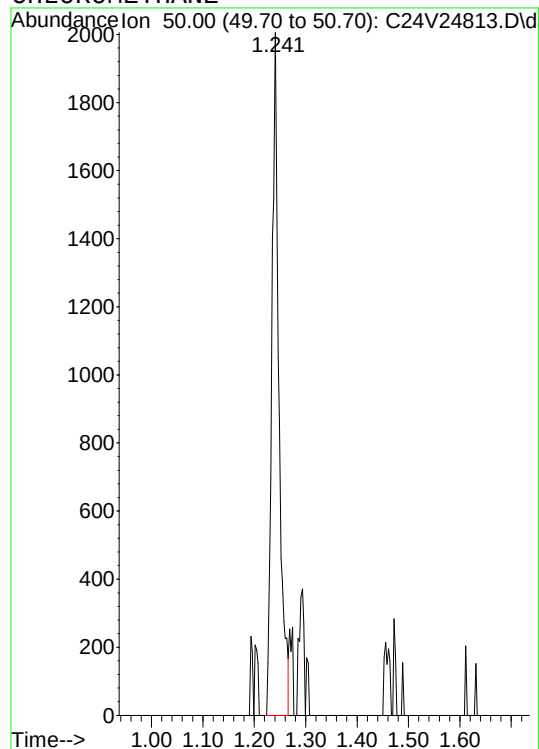
Tgt Ion: 43 Resp: 2773
Ion Ratio Lower Upper
43 100
58 25.6 22.1 33.1



Data Path : C:\msdchem\1\data\C090424\
Data File : C24V24813.D
Acq On : 4 Sep 2024 1:19 pm
Operator :
Sample : 24H4216-03
Misc :

Quant Time : Wed Sep 04 14:02:39 2024
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Wed Jan 10 12:13:53 2024

Original Integration
CHLOROMETHANE



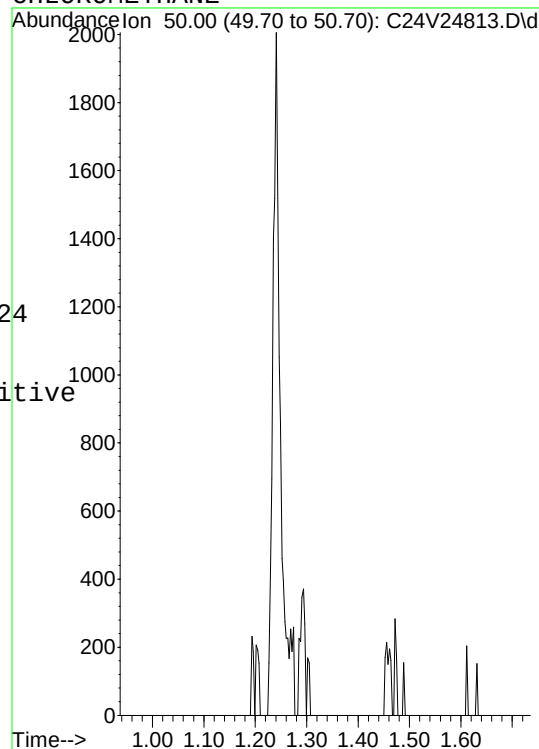
Original Int. Results

RT : 1.24
Area : 1916
Amount: 0.460749

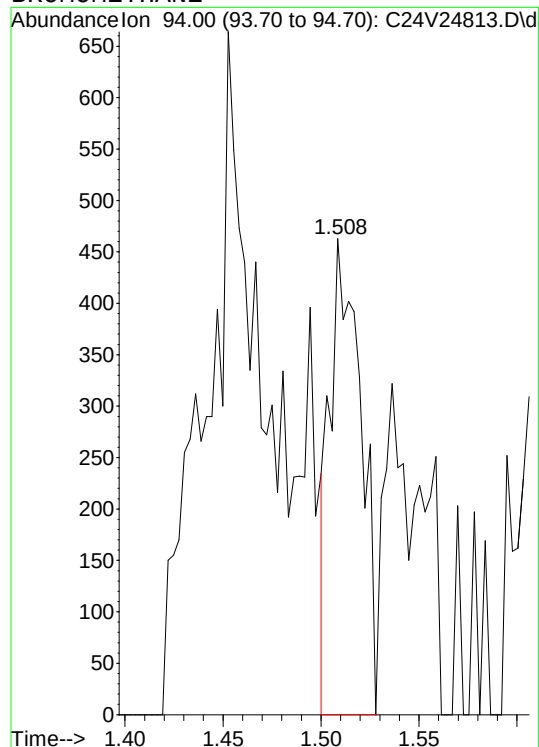
Manual Int. Results

Wed Sep 04 14:01:21 2024
MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CHLOROMETHANE



Original Integration
BROMOMETHANE



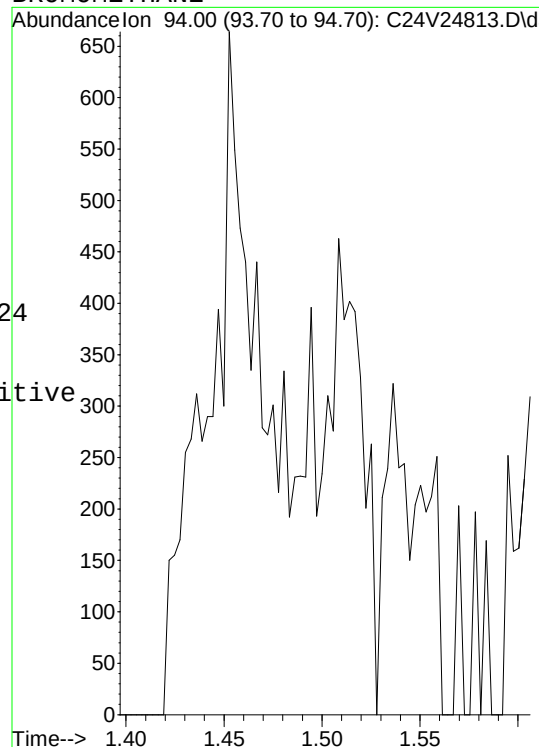
Original Int. Results

RT : 1.51
Area : 505
Amount: 0.279797

Manual Int. Results

Wed Sep 04 14:01:53 2024
MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

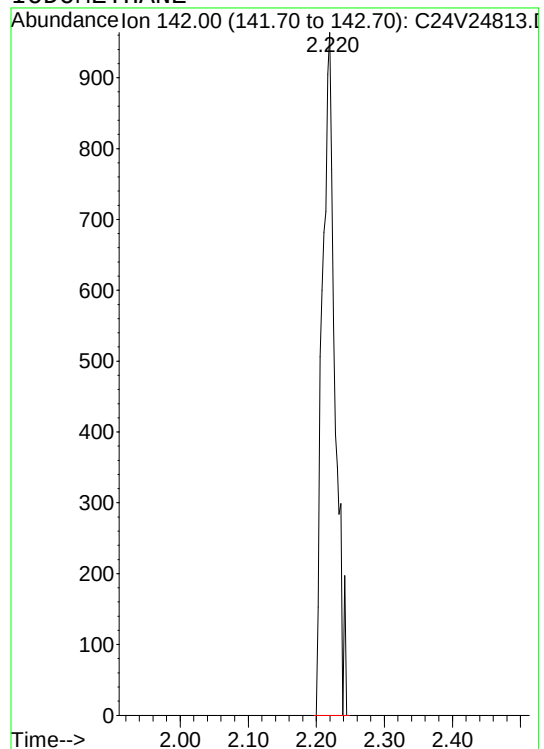
Manual Integration
BROMOMETHANE



Data Path : C:\msdchem\1\data\C090424\
Data File : C24V24813.D
Acq On : 4 Sep 2024 1:19 pm
Operator :
Sample : 24H4216-03
Misc :

Quant Time : Wed Sep 04 14:02:39 2024
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Wed Jan 10 12:13:53 2024

Original Integration
IODOMETHANE



Original Int. Results

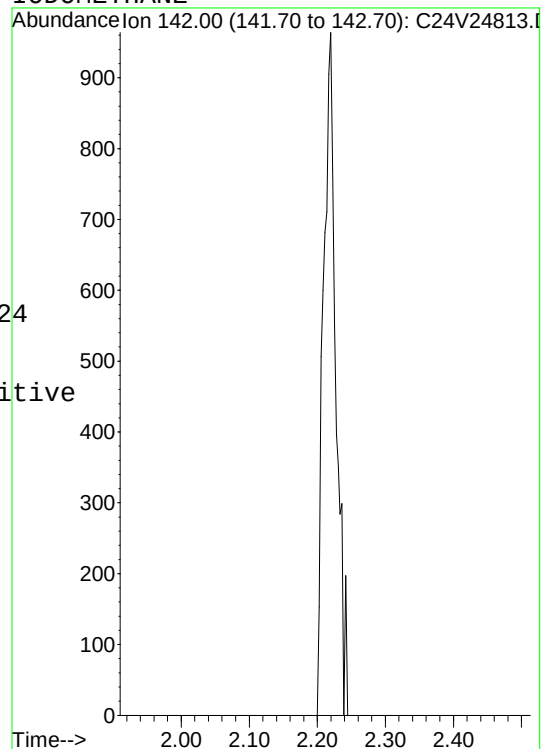
RT : 2.22
Area : 1233
Amount: 0.388154

Manual Int. Results

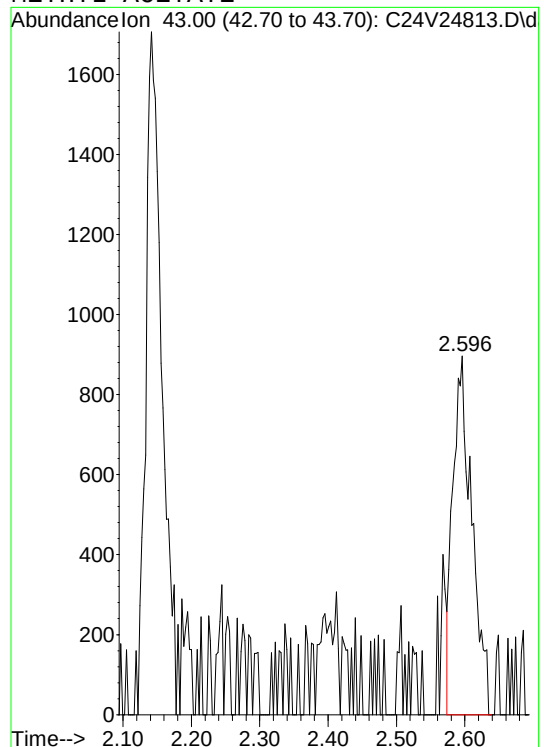
Wed Sep 04 14:02:09 2024

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
IODOMETHANE



Original Integration
METHYL ACETATE



Original Int. Results

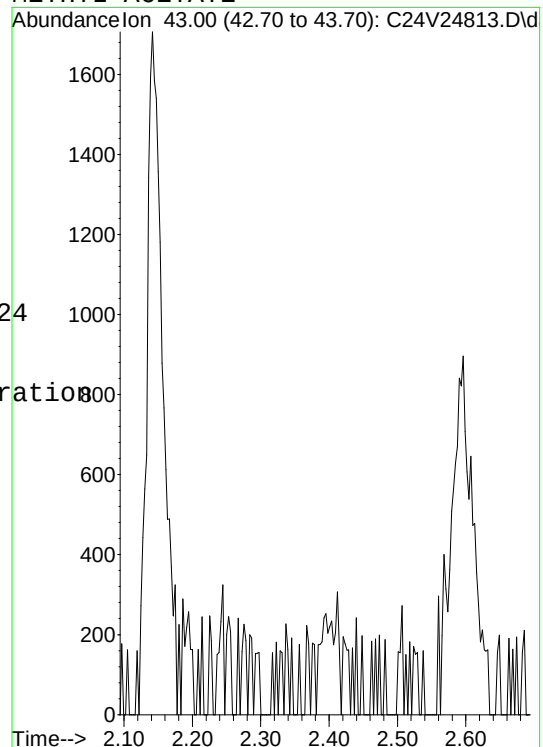
RT : 2.60
Area : 1716
Amount: 0.413048

Manual Int. Results

Wed Sep 04 14:02:13 2024

MIuser: MFF
Reason: Incoret Integration
RT : 0.00
Area : 0
Amount: 0

Manual Integration
METHYL ACETATE



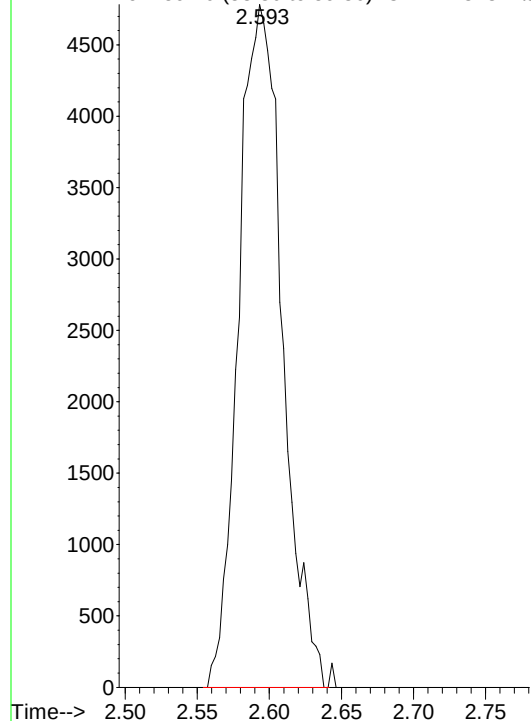
Data Path : C:\msdchem\1\data\C090424\
Data File : C24V24813.D
Acq On : 4 Sep 2024 1:19 pm
Operator :
Sample : 24H4216-03
Misc :

Quant Time : Wed Sep 04 14:02:39 2024
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Wed Jan 10 12:13:53 2024

Original Integration

T-BUTYL ALCOHOL

Abundance Ion 59.10 (58.80 to 59.80): C24V24813.D



Original Int. Results

RT : 2.59
Area : 10077
Amount: 23.936

Manual Int. Results

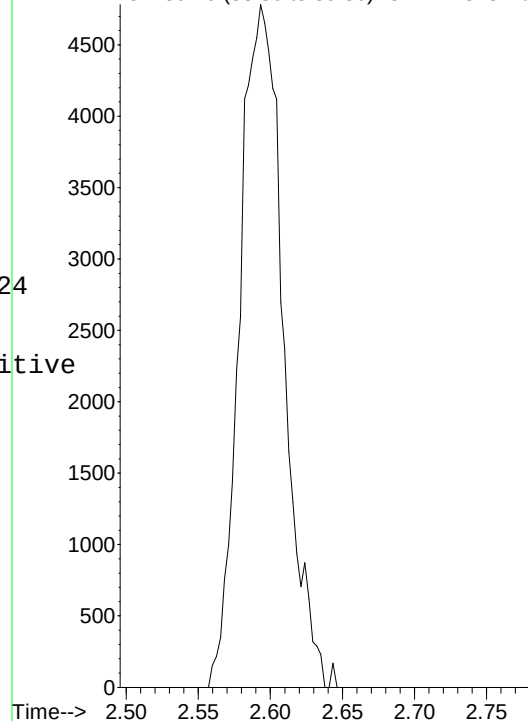
Wed Sep 04 14:02:27 2024

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration

T-BUTYL ALCOHOL

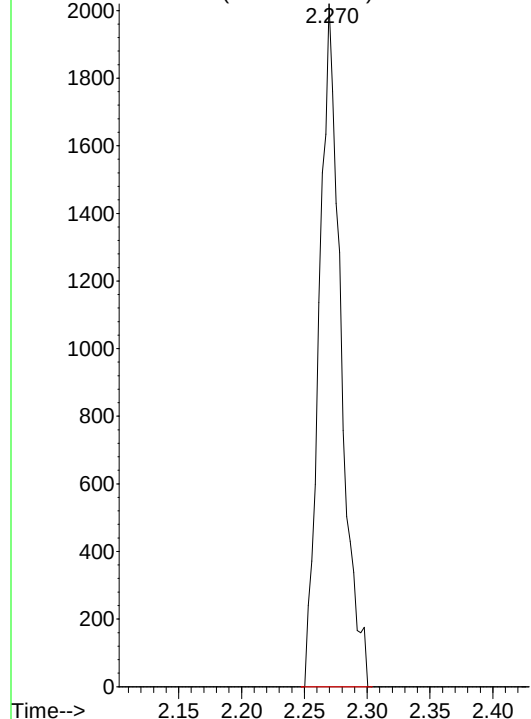
Abundance Ion 59.10 (58.80 to 59.80): C24V24813.D



Original Integration

CARBON DISULFIDE

Abundance Ion 76.00 (75.70 to 76.70): C24V24813.D



Original Int. Results

RT : 2.27
Area : 2430
Amount: 0.331569

Manual Int. Results

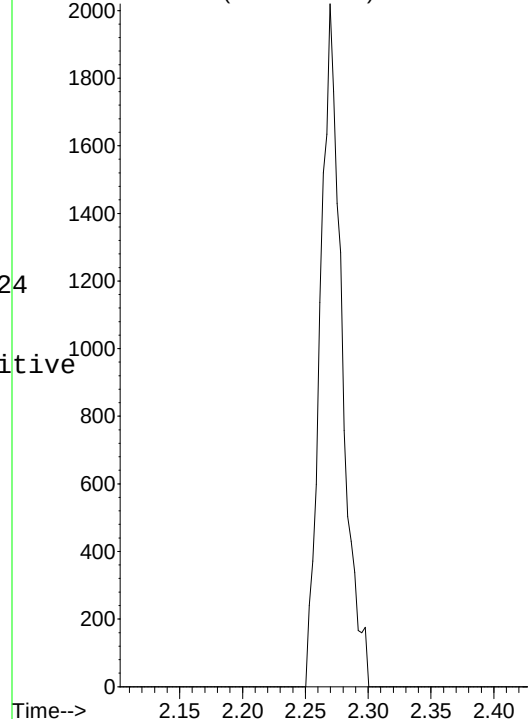
Wed Sep 04 14:02:32 2024

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration

CARBON DISULFIDE

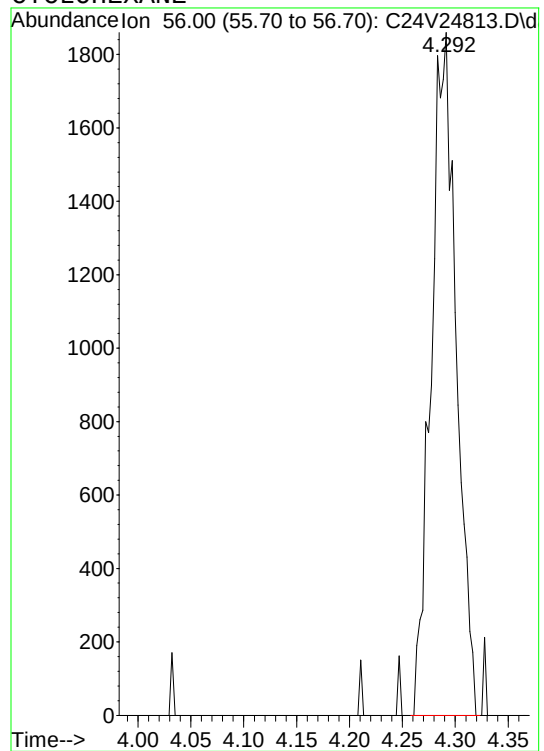
Abundance Ion 76.00 (75.70 to 76.70): C24V24813.D



Data Path : C:\msdchem\1\data\C090424\
Data File : C24V24813.D
Acq On : 4 Sep 2024 1:19 pm
Operator :
Sample : 24H4216-03
Misc :

Quant Time : Wed Sep 04 14:02:39 2024
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Wed Jan 10 12:13:53 2024

Original Integration
CYCLOHEXANE



Original Int. Results

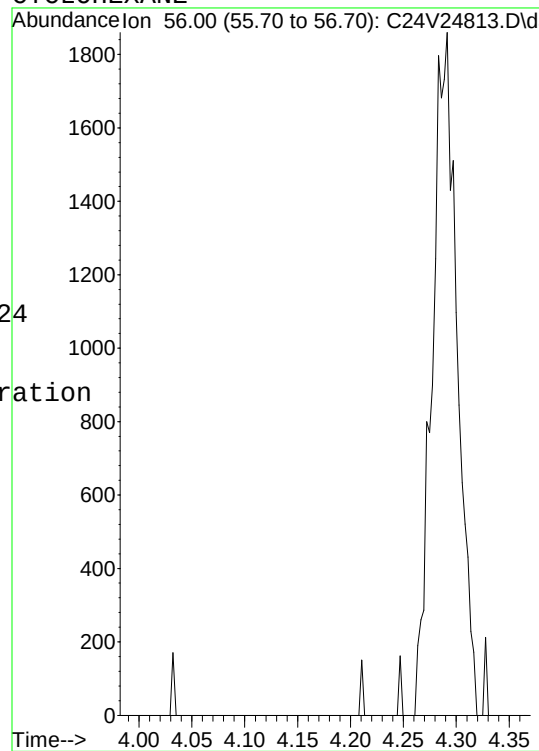
RT : 4.29
Area : 3076
Amount: 0.741295

Manual Int. Results

Wed Sep 04 14:02:36 2024

MIuser: MFF
Reason: Incoret Integration
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CYCLOHEXANE



1 - FORM I

ANALYSIS DATA SHEET

645013-MW-102A-20240828

Laboratory:	Pace New England	Work Order:	24H4216
Client:	NYDEC_EA Engineering, Science &	Project:	North Lawrence Oil Dump - CO 152166
Matrix:	Ground Water	Laboratory ID:	24H4216-04
		File ID:	C24V24814.D
Sampled:	08/28/24 12:50	Prepared:	09/03/24 13:25
		Analyzed:	09/04/24 13:45
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B384838	Sequence:	S109958
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone	2.8	2.0	50	J
71-43-2	Benzene		0.14	1.0	
74-97-5	Bromochloromethane		0.32	1.0	
75-27-4	Bromodichloromethane		0.19	0.50	
75-25-2	Bromoform		0.30	1.0	
74-83-9	Bromomethane		1.5	2.0	
78-93-3	2-Butanone (MEK)		1.4	20	
104-51-8	n-Butylbenzene		0.16	1.0	
135-98-8	sec-Butylbenzene		0.16	1.0	
98-06-6	tert-Butylbenzene		0.17	1.0	
75-15-0	Carbon Disulfide		1.5	5.0	
56-23-5	Carbon Tetrachloride		0.19	5.0	L-04, V-05
108-90-7	Chlorobenzene		0.18	1.0	
124-48-1	Chlorodibromomethane		0.13	0.50	
75-00-3	Chloroethane		0.46	2.0	
67-66-3	Chloroform		0.19	2.0	
74-87-3	Chloromethane		0.50	2.0	
110-82-7	Cyclohexane		1.8	5.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.63	5.0	
106-93-4	1,2-Dibromoethane (EDB)		0.13	0.50	
95-50-1	1,2-Dichlorobenzene		0.17	1.0	
541-73-1	1,3-Dichlorobenzene		0.15	1.0	
106-46-7	1,4-Dichlorobenzene		0.17	1.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.20	2.0	
75-34-3	1,1-Dichloroethane		0.15	1.0	
107-06-2	1,2-Dichloroethane		0.13	1.0	
75-35-4	1,1-Dichloroethylene		0.18	1.0	
156-59-2	cis-1,2-Dichloroethylene		0.20	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.16	1.0	

1 - FORM I

ANALYSIS DATA SHEET

645013-MW-102A-20240828

Laboratory:	Pace New England	Work Order:	24H4216
Client:	NYDEC_EA Engineering, Science &	Project:	North Lawrence Oil Dump - CO 152166
Matrix:	Ground Water	Laboratory ID:	24H4216-04
		File ID:	C24V24814.D
Sampled:	08/28/24 12:50	Prepared:	09/03/24 13:25
		Analyzed:	09/04/24 13:45
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B384838	Sequence:	S109958
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
78-87-5	1,2-Dichloropropane		0.17	1.0	
10061-01-5	cis-1,3-Dichloropropene		0.13	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.14	0.50	
100-41-4	Ethylbenzene		0.14	1.0	
591-78-6	2-Hexanone (MBK)		1.3	10	
98-82-8	Isopropylbenzene (Cumene)		0.16	1.0	
99-87-6	p-Isopropyltoluene (p-Cymene)		0.16	1.0	
79-20-9	Methyl Acetate		0.48	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.17	1.0	
108-87-2	Methyl Cyclohexane		0.13	1.0	
75-09-2	Methylene Chloride		0.19	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.4	10	
91-20-3	Naphthalene		0.25	2.0	V-05
103-65-1	n-Propylbenzene		0.11	1.0	
100-42-5	Styrene		0.13	1.0	
79-34-5	1,1,2,2-Tetrachloroethane		0.10	0.50	
127-18-4	Tetrachloroethylene		0.17	1.0	
108-88-3	Toluene		0.11	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.22	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.19	1.0	V-05
71-55-6	1,1,1-Trichloroethane		0.14	1.0	
79-00-5	1,1,2-Trichloroethane		0.18	1.0	
79-01-6	Trichloroethylene		0.17	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.14	2.0	
96-18-4	1,2,3-Trichloropropane		0.27	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)		0.16	1.0	
95-63-6	1,2,4-Trimethylbenzene		0.16	1.0	
108-67-8	1,3,5-Trimethylbenzene		0.17	1.0	
75-01-4	Vinyl Chloride		0.19	2.0	

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ANALYSIS DATA SHEET

645013-MW-102A-20240828

Laboratory: Pace New England Work Order: 24H4216
Client: NYDEC_EA Engineering, Science & Technology Project: North Lawrence Oil Dump - CO 152166
Matrix: Ground Water Laboratory ID: 24H4216-04 File ID: C24V24814.D
Sampled: 08/28/24 12:50 Prepared: 09/03/24 13:25 Analyzed: 09/04/24 13:45
Solids: Preparation: SW-846 5030B Dilution: 1
Initial/Final: 5 mL / 5 mL
Batch: B384838 Sequence: S109958 Calibration: 2200537 Instrument: GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
179601-23-1	m+p Xylene		0.25	2.0	
95-47-6	o-Xylene		0.16	1.0	
1330-20-7	Xylenes (total)		1.0	1.0	

Data Path : C:\msdchem\1\data\C090424\
 Data File : C24V24814.D
 Acq On : 4 Sep 2024 1:45 pm
 Operator :
 Sample : 24H4216-04
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Inst : GCMSVOA3

Quant Time: Sep 04 14:04:02 2024
 Quant Method : C:\msdchem\1\methods\C080822.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Wed Jan 10 12:13:53 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

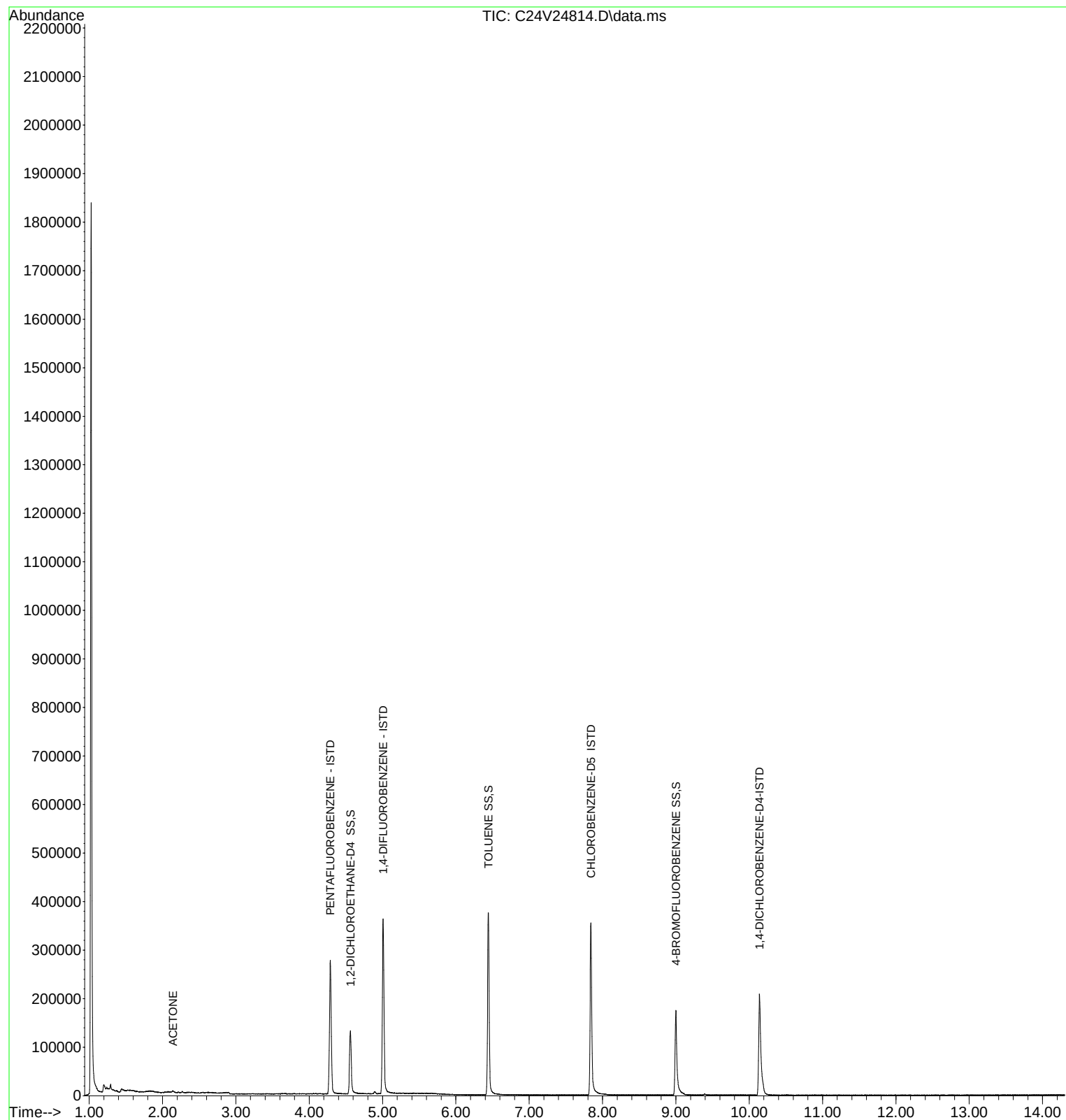
Internal Standards						
1) PENTAFLUOROBENZENE - ISTD	4.289	168	174392	30.00	UG/L	0.00
49) 1,4-DIFLUOROBENZENE - ...	5.008	114	258765	30.00	UG/L	0.00
72) CHLOROBENZENE-D5 ISTD	7.842	82	100647	30.00	UG/L	0.00
91) 1,4-DICHLOROBENZENE-D4...	10.139	152	76385	30.00	UG/L	# 0.00
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4 SS	4.562	65	82472	25.20	UG/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	100.80%		
50) TOLUENE SS	6.444	98	219143	21.38	UG/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	85.52%		
73) 4-BROMOFLUOROBENZENE SS	8.999	95	57706	19.34	UG/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	77.36%		
Target Compounds						
14) ACETONE	2.144	43	2981	2.82	UG/L	Qvalue 96

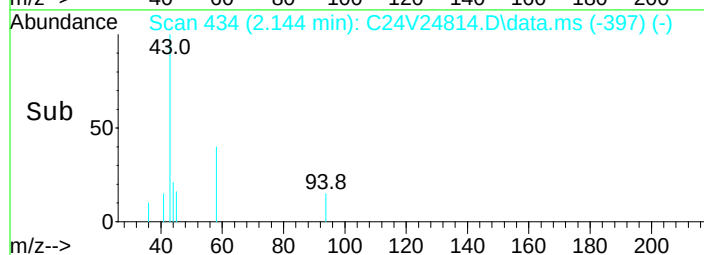
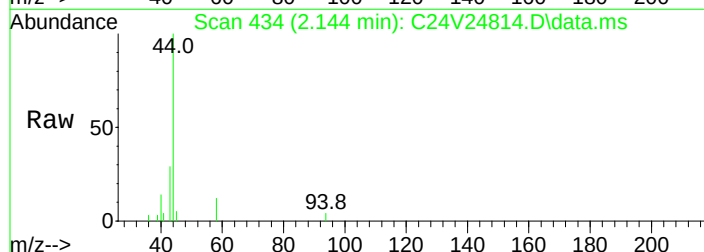
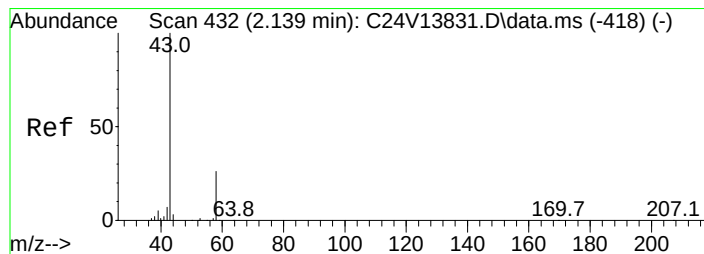
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\data\C090424\
Data File : C24V24814.D
Acq On : 4 Sep 2024 1:45 pm
Operator :
Sample : 24H4216-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Inst : GCMSVOA3

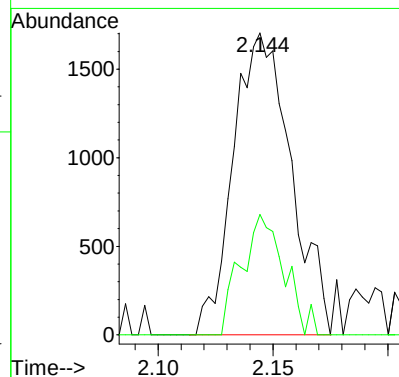
Quant Time: Sep 04 14:04:02 2024
Quant Method : C:\msdchem\1\methods\C080822.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
QLast Update : Wed Jan 10 12:13:53 2024
Response via : Initial Calibration





#14
ACETONE
Concen: 2.82 UG/L
RT: 2.144 min Scan# 434
Delta R.T. 0.008 min
Lab File: C24V24814.D
Acq: 4 Sep 2024 1:45 pm

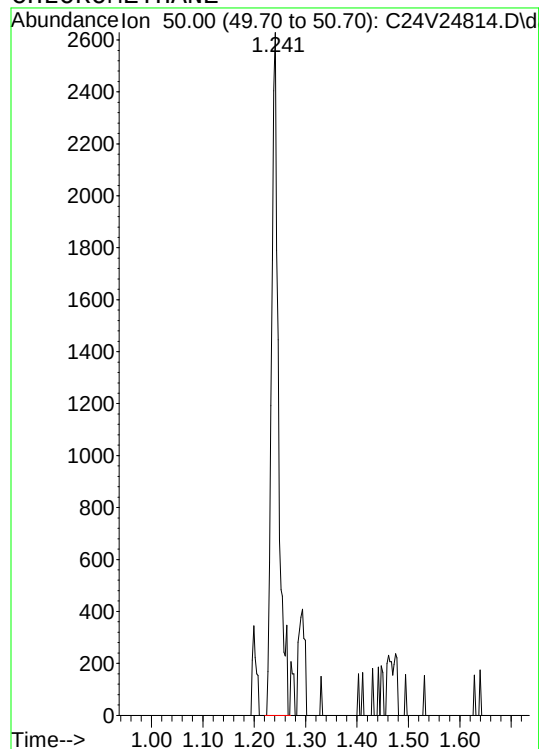
Tgt Ion: 43 Resp: 2981
Ion Ratio Lower Upper
43 100
58 29.7 22.1 33.1



Data Path : C:\msdchem\1\data\C090424\
Data File : C24V24814.D
Acq On : 4 Sep 2024 1:45 pm
Operator :
Sample : 24H4216-04
Misc :

Quant Time : Wed Sep 04 14:04:02 2024
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Wed Jan 10 12:13:53 2024

Original Integration
CHLOROMETHANE



Original Int. Results

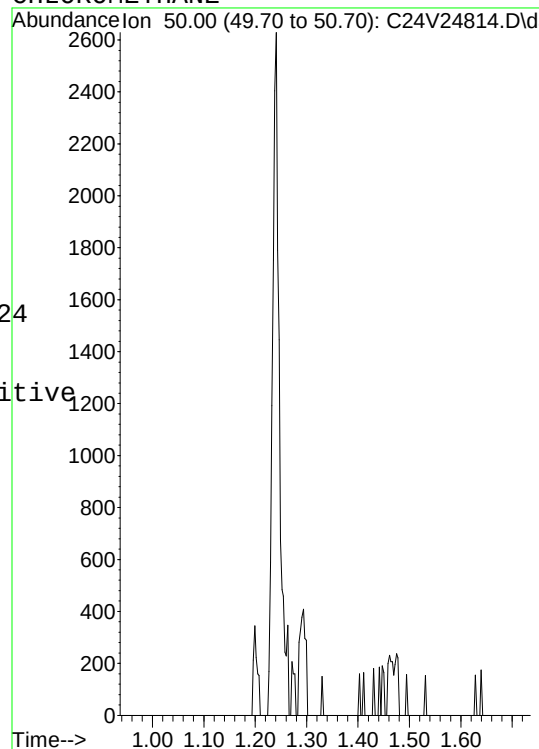
RT : 1.24
Area : 2410
Amount: 0.584299

Manual Int. Results

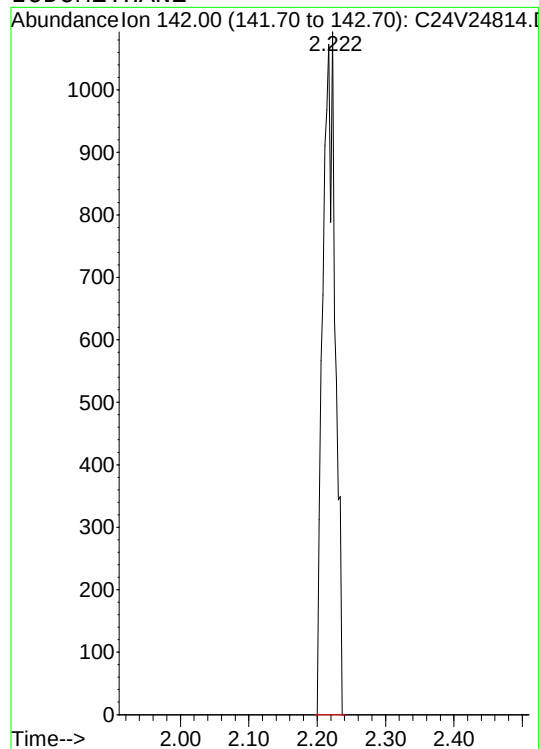
Wed Sep 04 14:03:32 2024

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CHLOROMETHANE



Original Integration
IODOMETHANE



Original Int. Results

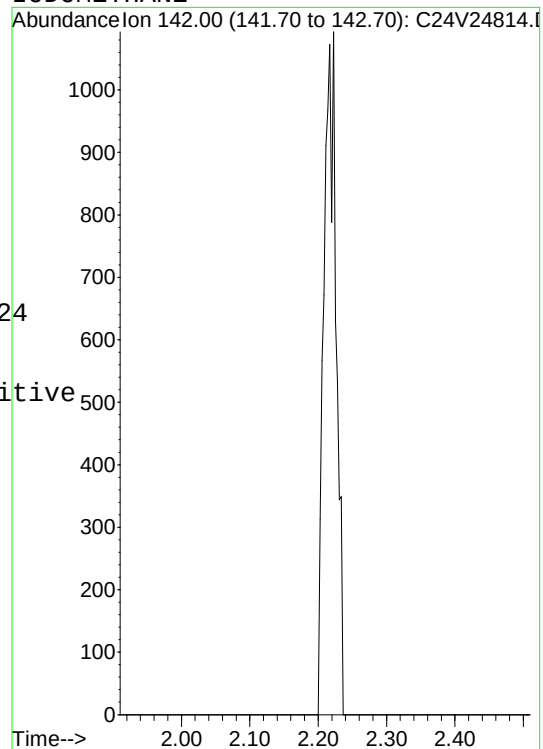
RT : 2.22
Area : 1379
Amount: 0.437678

Manual Int. Results

Wed Sep 04 14:03:38 2024

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
IODOMETHANE

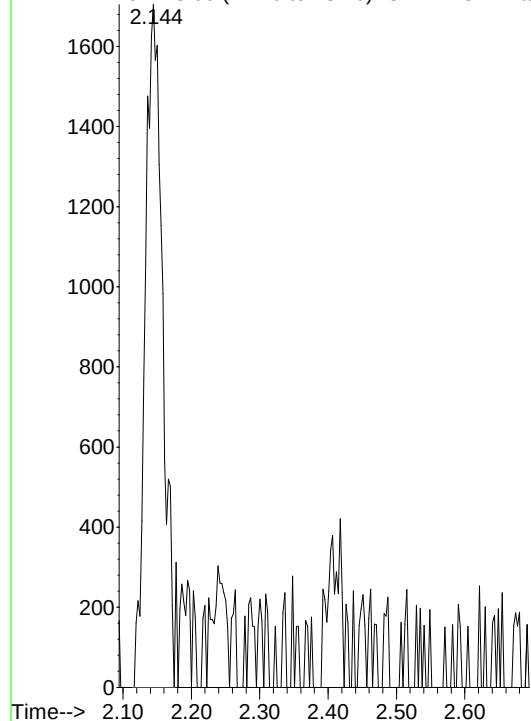


Data Path : C:\msdchem\1\data\C090424\
Data File : C24V24814.D
Acq On : 4 Sep 2024 1:45 pm
Operator :
Sample : 24H4216-04
Misc :

Quant Time : Wed Sep 04 14:04:02 2024
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Wed Jan 10 12:13:53 2024

Original Integration
METHYL ACETATE

Abundance Ion 43.00 (42.70 to 43.70): C24V24814.D



Original Int. Results

RT : 2.14
Area : 2981
Amount: 0.723427

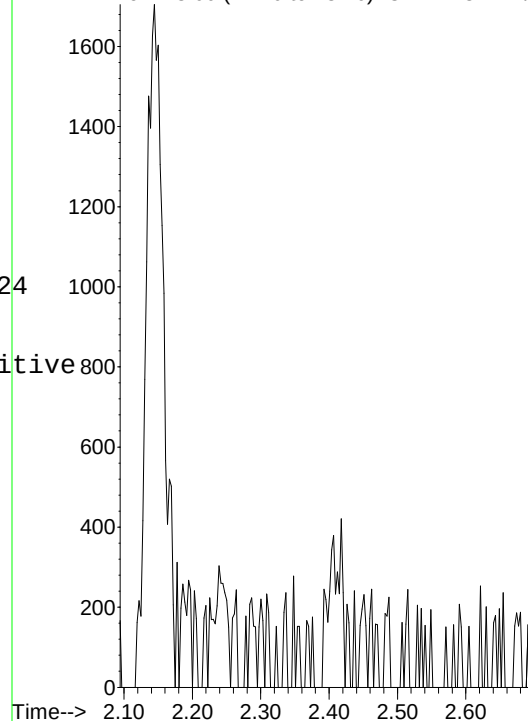
Manual Int. Results

Wed Sep 04 14:03:44 2024

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

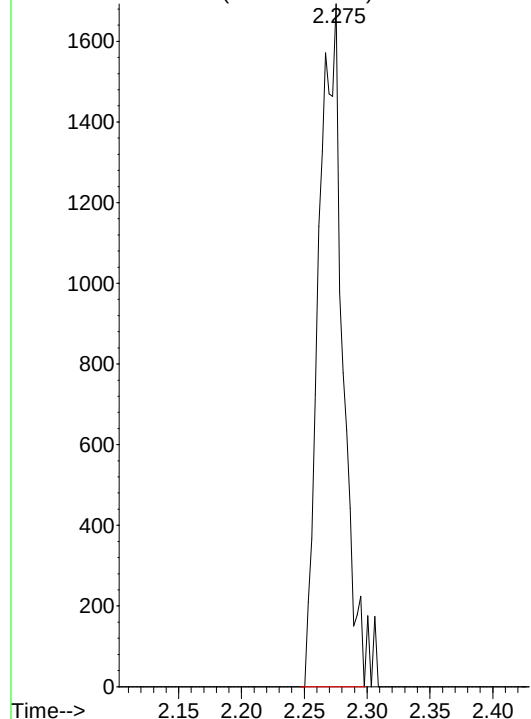
Manual Integration
METHYL ACETATE

Abundance Ion 43.00 (42.70 to 43.70): C24V24814.D



Original Integration
CARBON DISULFIDE

Abundance Ion 76.00 (75.70 to 76.70): C24V24814.D



Original Int. Results

RT : 2.28
Area : 2234
Amount: 0.307327

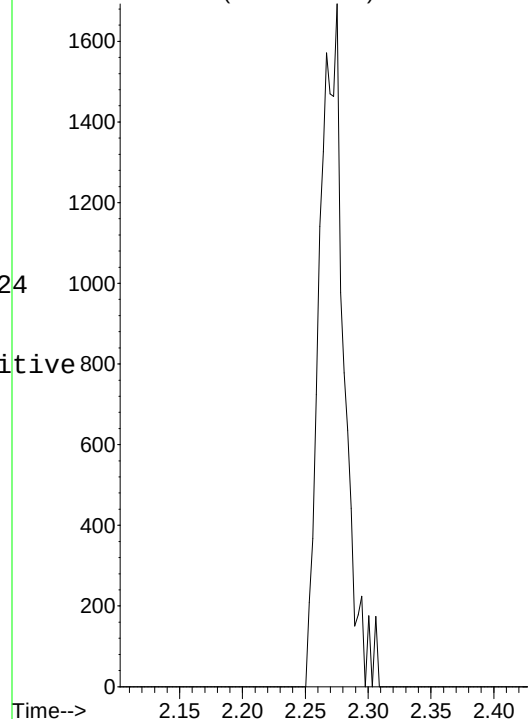
Manual Int. Results

Wed Sep 04 14:03:56 2024

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CARBON DISULFIDE

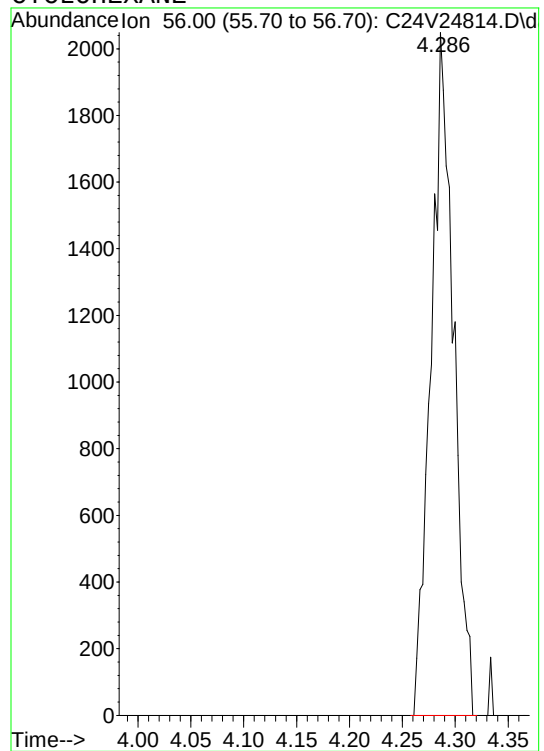
Abundance Ion 76.00 (75.70 to 76.70): C24V24814.D



Data Path : C:\msdchem\1\data\C090424\
Data File : C24V24814.D
Acq On : 4 Sep 2024 1:45 pm
Operator :
Sample : 24H4216-04
Misc :

Quant Time : Wed Sep 04 14:04:02 2024
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Wed Jan 10 12:13:53 2024

Original Integration
CYCLOHEXANE



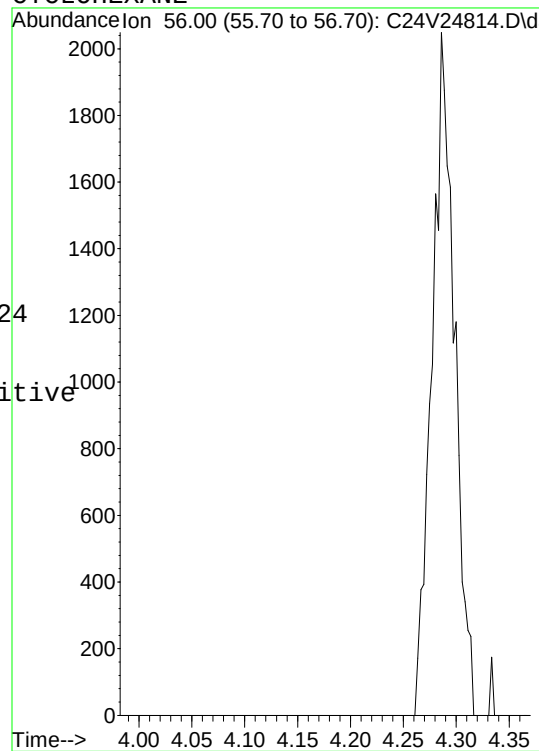
Original Int. Results

RT : 4.29
Area : 3035
Amount: 0.737416

Manual Int. Results

Wed Sep 04 14:04:01 2024
MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CYCLOHEXANE



1 - FORM I

ANALYSIS DATA SHEET

645013-MW-102B-20240828

Laboratory:	Pace New England	Work Order:	24H4216
Client:	NYDEC_EA Engineering, Science &	Project:	North Lawrence Oil Dump - CO 152166
Matrix:	Ground Water	Laboratory ID:	24H4216-05
		File ID:	C24V24815.D
Sampled:	08/28/24 13:34	Prepared:	09/03/24 13:25
		Analyzed:	09/04/24 14:12
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B384838	Sequence:	S109958
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone		2.0	50	
71-43-2	Benzene		0.14	1.0	
74-97-5	Bromochloromethane		0.32	1.0	
75-27-4	Bromodichloromethane		0.19	0.50	
75-25-2	Bromoform		0.30	1.0	
74-83-9	Bromomethane		1.5	2.0	
78-93-3	2-Butanone (MEK)		1.4	20	
104-51-8	n-Butylbenzene		0.16	1.0	
135-98-8	sec-Butylbenzene		0.16	1.0	
98-06-6	tert-Butylbenzene		0.17	1.0	
75-15-0	Carbon Disulfide		1.5	5.0	
56-23-5	Carbon Tetrachloride		0.19	5.0	L-04, V-05
108-90-7	Chlorobenzene		0.18	1.0	
124-48-1	Chlorodibromomethane		0.13	0.50	
75-00-3	Chloroethane		0.46	2.0	
67-66-3	Chloroform		0.19	2.0	
74-87-3	Chloromethane		0.50	2.0	
110-82-7	Cyclohexane		1.8	5.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.63	5.0	
106-93-4	1,2-Dibromoethane (EDB)		0.13	0.50	
95-50-1	1,2-Dichlorobenzene		0.17	1.0	
541-73-1	1,3-Dichlorobenzene		0.15	1.0	
106-46-7	1,4-Dichlorobenzene		0.17	1.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.20	2.0	
75-34-3	1,1-Dichloroethane		0.15	1.0	
107-06-2	1,2-Dichloroethane		0.13	1.0	
75-35-4	1,1-Dichloroethylene		0.18	1.0	
156-59-2	cis-1,2-Dichloroethylene		0.20	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.16	1.0	

1 - FORM I

ANALYSIS DATA SHEET

645013-MW-102B-20240828

Laboratory:	Pace New England	Work Order:	24H4216
Client:	NYDEC_EA Engineering, Science &	Project:	North Lawrence Oil Dump - CO 152166
Matrix:	Ground Water	Laboratory ID:	24H4216-05
		File ID:	C24V24815.D
Sampled:	08/28/24 13:34	Prepared:	09/03/24 13:25
		Analyzed:	09/04/24 14:12
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B384838	Sequence:	S109958
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
78-87-5	1,2-Dichloropropane		0.17	1.0	
10061-01-5	cis-1,3-Dichloropropene		0.13	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.14	0.50	
100-41-4	Ethylbenzene		0.14	1.0	
591-78-6	2-Hexanone (MBK)		1.3	10	
98-82-8	Isopropylbenzene (Cumene)		0.16	1.0	
99-87-6	p-Isopropyltoluene (p-Cymene)		0.16	1.0	
79-20-9	Methyl Acetate		0.48	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.17	1.0	
108-87-2	Methyl Cyclohexane		0.13	1.0	
75-09-2	Methylene Chloride		0.19	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.4	10	
91-20-3	Naphthalene		0.25	2.0	V-05
103-65-1	n-Propylbenzene		0.11	1.0	
100-42-5	Styrene		0.13	1.0	
79-34-5	1,1,2,2-Tetrachloroethane		0.10	0.50	
127-18-4	Tetrachloroethylene		0.17	1.0	
108-88-3	Toluene		0.11	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.22	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.19	1.0	V-05
71-55-6	1,1,1-Trichloroethane		0.14	1.0	
79-00-5	1,1,2-Trichloroethane		0.18	1.0	
79-01-6	Trichloroethylene		0.17	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.14	2.0	
96-18-4	1,2,3-Trichloropropane		0.27	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)		0.16	1.0	
95-63-6	1,2,4-Trimethylbenzene		0.16	1.0	
108-67-8	1,3,5-Trimethylbenzene		0.17	1.0	
75-01-4	Vinyl Chloride		0.19	2.0	

1 - FORM I

ANALYSIS DATA SHEET

645013-MW-102B-20240828

Laboratory: Pace New England Work Order: 24H4216
Client: NYDEC_EA Engineering, Science & Technology Project: North Lawrence Oil Dump - CO 152166
Matrix: Ground Water Laboratory ID: 24H4216-05 File ID: C24V24815.D
Sampled: 08/28/24 13:34 Prepared: 09/03/24 13:25 Analyzed: 09/04/24 14:12
Solids: Preparation: SW-846 5030B Dilution: 1
Initial/Final: 5 mL / 5 mL
Batch: B384838 Sequence: S109958 Calibration: 2200537 Instrument: GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
179601-23-1	m+p Xylene		0.25	2.0	
95-47-6	o-Xylene		0.16	1.0	
1330-20-7	Xylenes (total)		1.0	1.0	

Data Path : C:\msdchem\1\data\C090424\
 Data File : C24V24815.D
 Acq On : 4 Sep 2024 2:12 pm
 Operator :
 Sample : 24H4216-05
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Inst : GCMSVOA3

Quant Time: Sep 04 14:34:31 2024
 Quant Method : C:\msdchem\1\methods\C080822.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Wed Jan 10 12:13:53 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) PENTAFLUOROBENZENE - ISTD	4.289	168	170674	30.00	UG/L	0.00
49) 1,4-DIFLUOROBENZENE - ...	5.008	114	236318	30.00	UG/L	0.00
72) CHLOROBENZENE-D5 ISTD	7.842	82	95490	30.00	UG/L	0.00
91) 1,4-DICHLOROBENZENE-D4...	10.139	152	74221	30.00	UG/L	# 0.00
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4 SS	4.562	65	79624	24.86	UG/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	99.44%		
50) TOLUENE SS	6.444	98	203647	21.76	UG/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	87.04%		
73) 4-BROMOFLUOROBENZENE SS	8.999	95	58174	20.55	UG/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	82.20%		

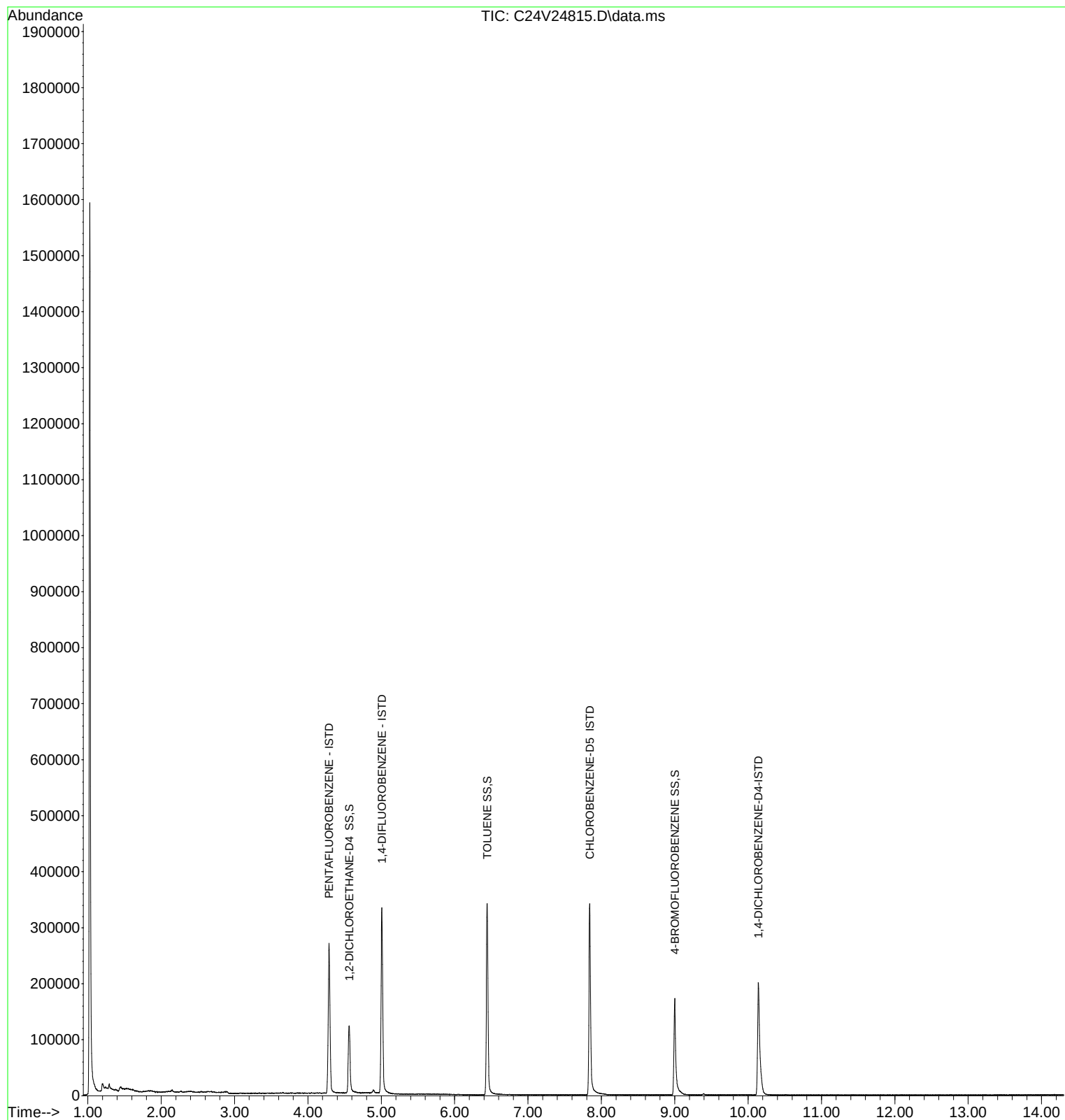
Target Compounds	Qvalue
-----	-----

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\data\C090424\
Data File : C24V24815.D
Acq On : 4 Sep 2024 2:12 pm
Operator :
Sample : 24H4216-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Inst : GCMSVOA3

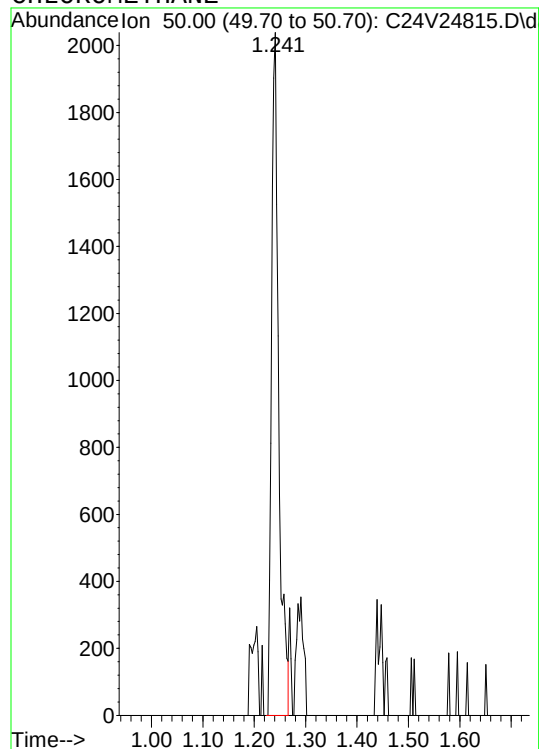
Quant Time: Sep 04 14:34:31 2024
Quant Method : C:\msdchem\1\methods\C080822.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
QLast Update : Wed Jan 10 12:13:53 2024
Response via : Initial Calibration



Data Path : C:\msdchem\1\data\C090424\
Data File : C24V24815.D
Acq On : 4 Sep 2024 2:12 pm
Operator :
Sample : 24H4216-05
Misc :

Quant Time : Wed Sep 04 14:34:31 2024
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Wed Jan 10 12:13:53 2024

Original Integration
CHLOROMETHANE



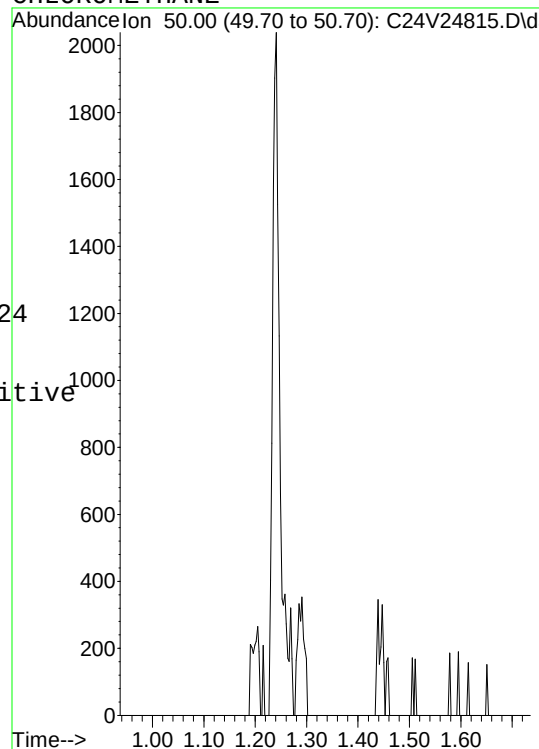
Original Int. Results

RT : 1.24
Area : 1958
Amount: 0.485054

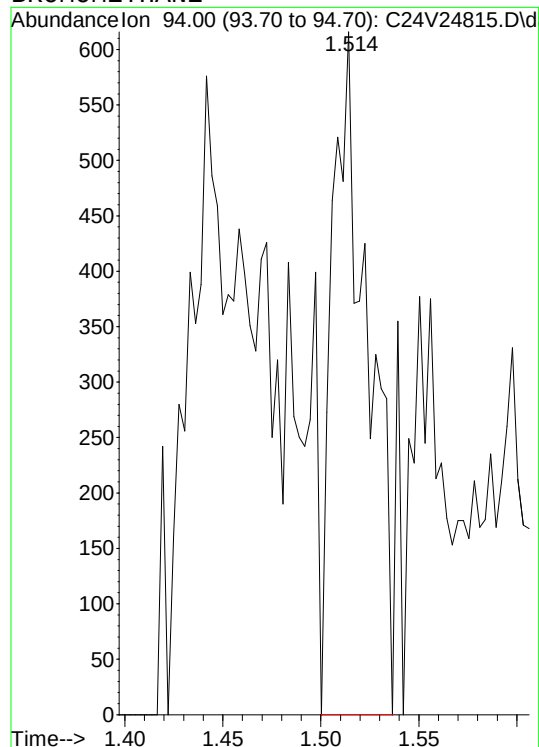
Manual Int. Results

Wed Sep 04 14:33:13 2024
MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CHLOROMETHANE



Original Integration
BROMOMETHANE



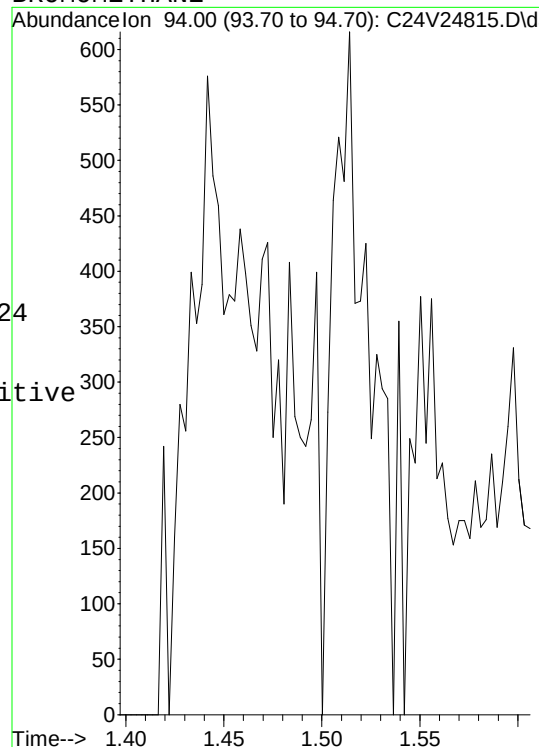
Original Int. Results

RT : 1.51
Area : 782
Amount: 0.446341

Manual Int. Results

Wed Sep 04 14:33:17 2024
MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
BROMOMETHANE

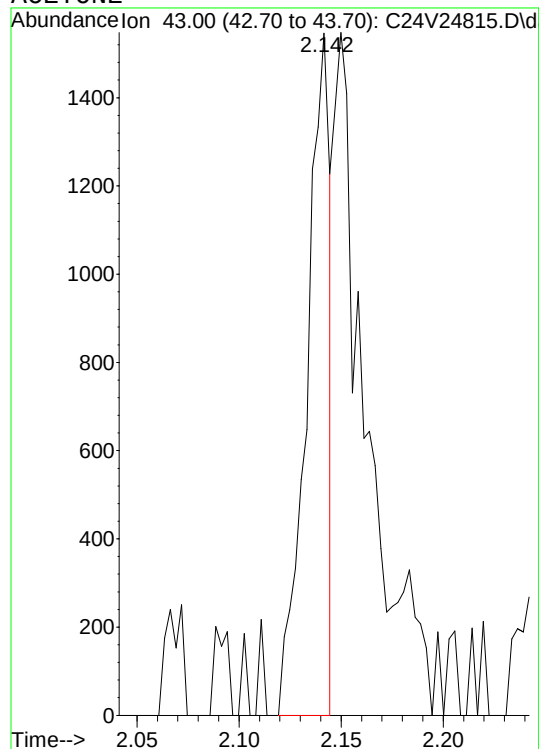


Data Path : C:\msdchem\1\data\C090424\
Data File : C24V24815.D
Acq On : 4 Sep 2024 2:12 pm
Operator :
Sample : 24H4216-05
Misc :

Quant Time : Wed Sep 04 14:34:31 2024
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Wed Jan 10 12:13:53 2024

Original Integration

ACETONE



Original Int. Results

RT : 2.14
Area : 1218
Amount: 1.17573

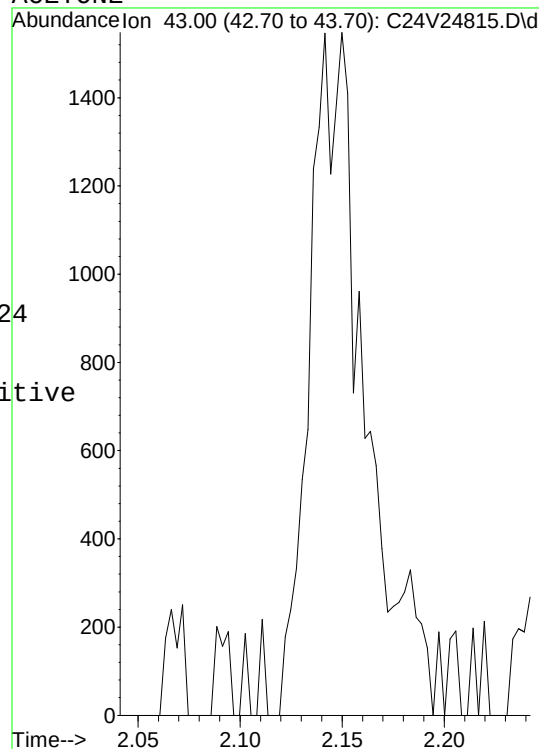
Manual Int. Results

Wed Sep 04 14:33:22 2024

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

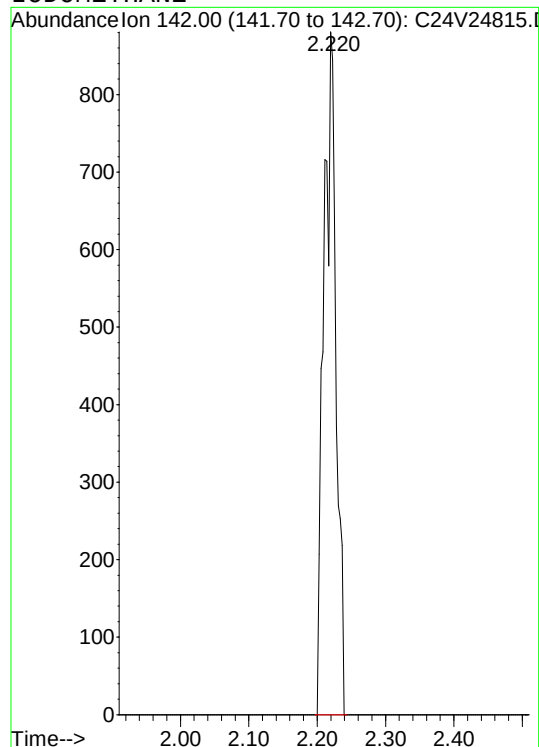
Manual Integration

ACETONE



Original Integration

IODOMETHANE



Original Int. Results

RT : 2.22
Area : 1105
Amount: 0.358354

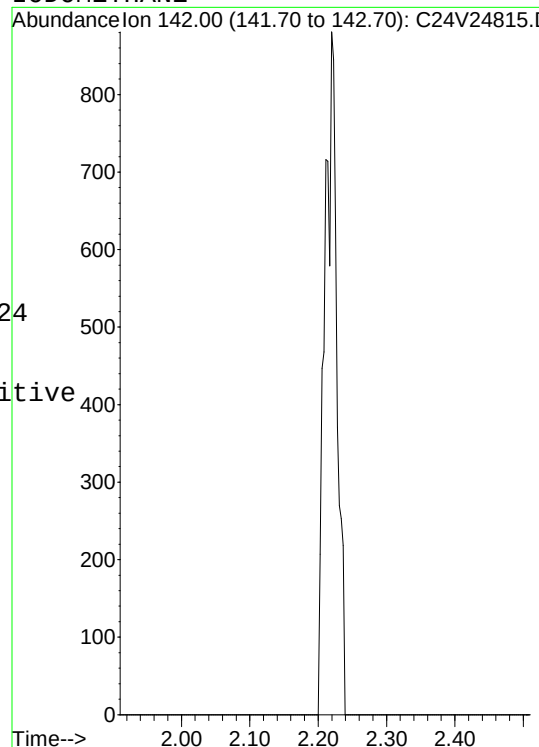
Manual Int. Results

Wed Sep 04 14:33:37 2024

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration

IODOMETHANE

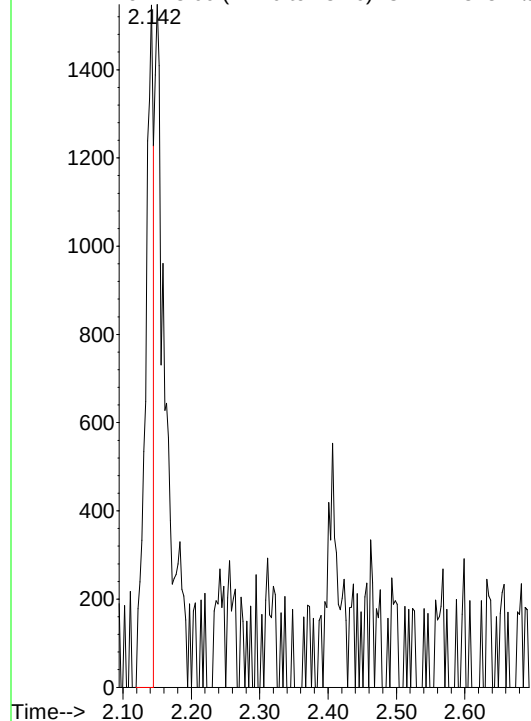


Data Path : C:\msdchem\1\data\C090424\
Data File : C24V24815.D
Acq On : 4 Sep 2024 2:12 pm
Operator :
Sample : 24H4216-05
Misc :

Quant Time : Wed Sep 04 14:34:31 2024
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Wed Jan 10 12:13:53 2024

Original Integration
METHYL ACETATE

Abundance Ion 43.00 (42.70 to 43.70): C24V24815.D



Original Int. Results

RT : 2.14
Area : 1218
Amount: 0.302022

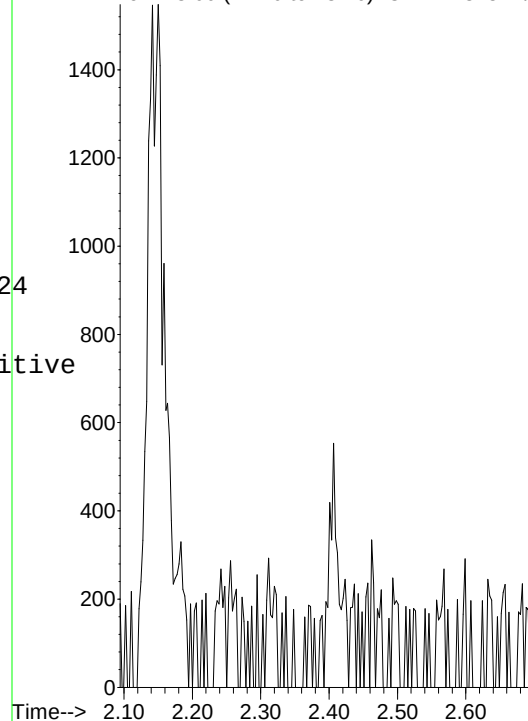
Manual Int. Results

Wed Sep 04 14:33:48 2024

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

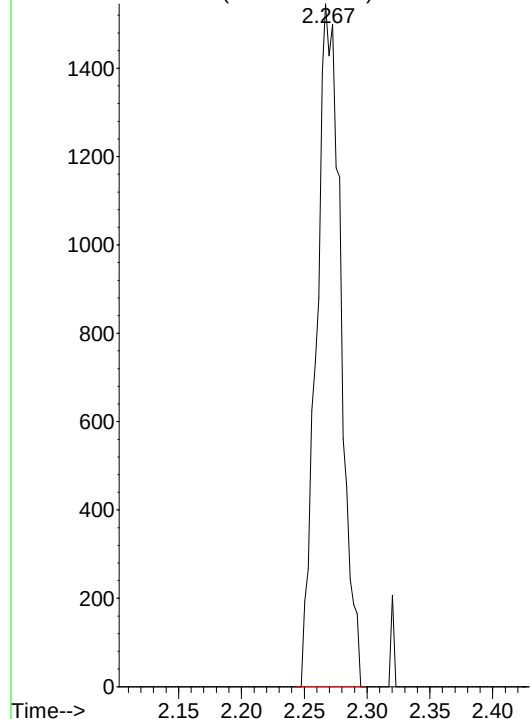
Manual Integration
METHYL ACETATE

Abundance Ion 43.00 (42.70 to 43.70): C24V24815.D



Original Integration
CARBON DISULFIDE

Abundance Ion 76.00 (75.70 to 76.70): C24V24815.D



Original Int. Results

RT : 2.27
Area : 2091
Amount: 0.293921

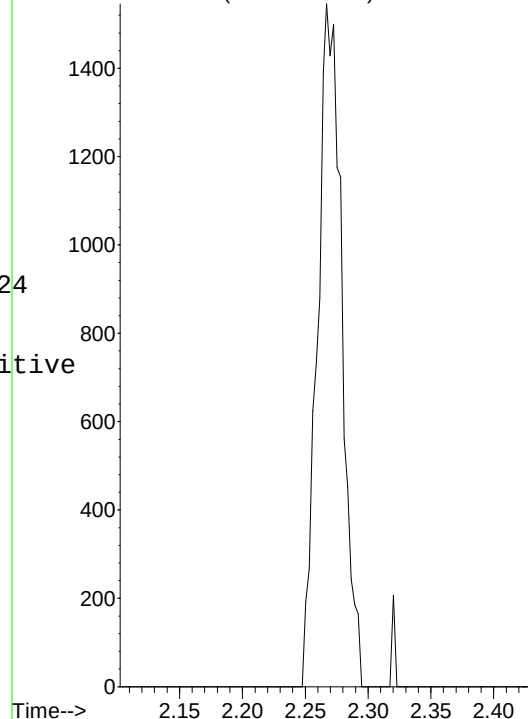
Manual Int. Results

Wed Sep 04 14:33:51 2024

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CARBON DISULFIDE

Abundance Ion 76.00 (75.70 to 76.70): C24V24815.D



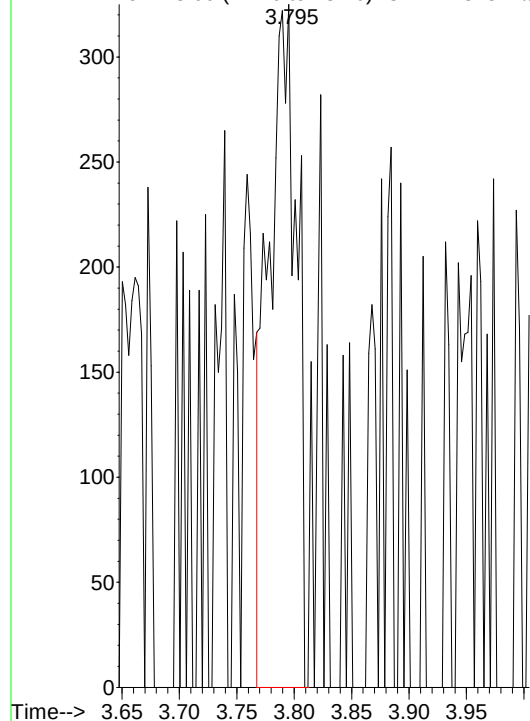
Data Path : C:\msdchem\1\data\C090424\
Data File : C24V24815.D
Acq On : 4 Sep 2024 2:12 pm
Operator :
Sample : 24H4216-05
Misc :

Quant Time : Wed Sep 04 14:34:31 2024
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Wed Jan 10 12:13:53 2024

Original Integration

2-BUTANONE

Abundance on 43.00 (42.70 to 43.70): C24V24815.D



Original Int. Results

RT : 3.80
Area : 558
Amount: 0.372355

Manual Int. Results

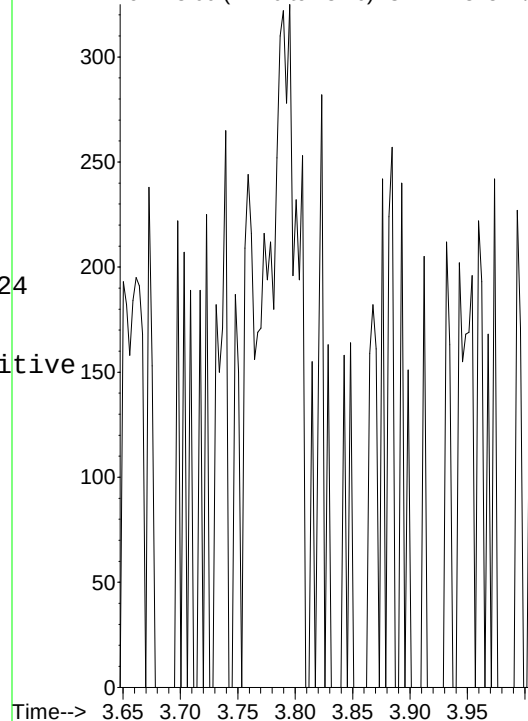
Wed Sep 04 14:33:55 2024

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration

2-BUTANONE

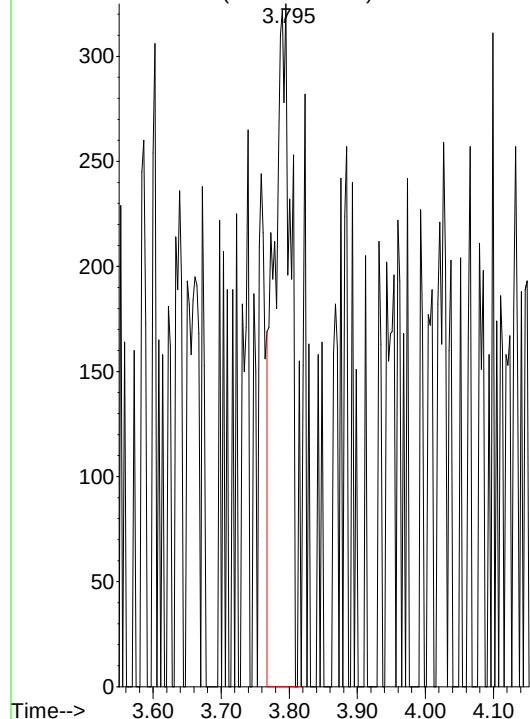
Abundance on 43.00 (42.70 to 43.70): C24V24815.D



Original Integration

ETHYL ACETATE

Abundance on 43.00 (42.70 to 43.70): C24V24815.D



Original Int. Results

RT : 3.80
Area : 558
Amount: 0.150754

Manual Int. Results

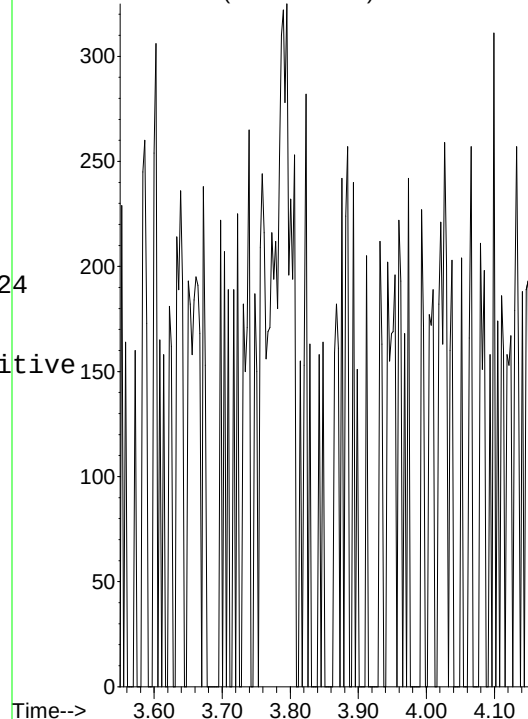
Wed Sep 04 14:34:00 2024

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration

ETHYL ACETATE

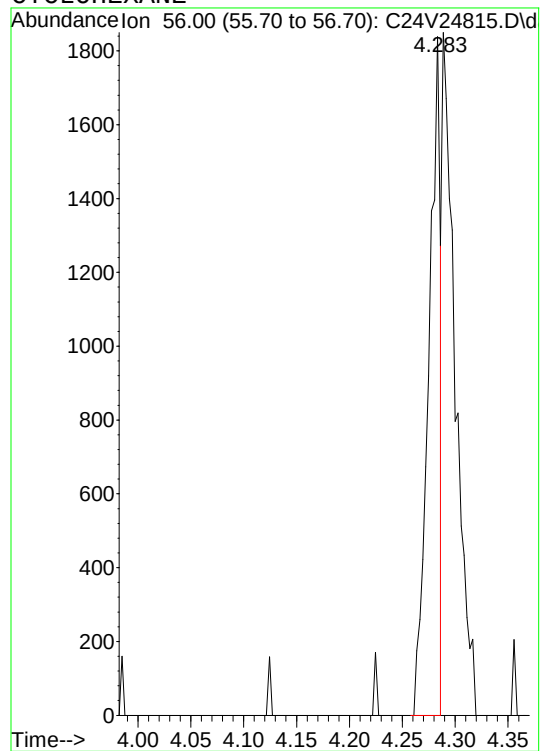
Abundance on 43.00 (42.70 to 43.70): C24V24815.D



Data Path : C:\msdchem\1\data\C090424\
Data File : C24V24815.D
Acq On : 4 Sep 2024 2:12 pm
Operator :
Sample : 24H4216-05
Misc :

Quant Time : Wed Sep 04 14:34:31 2024
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Wed Jan 10 12:13:53 2024

Original Integration
CYCLOHEXANE



Original Int. Results

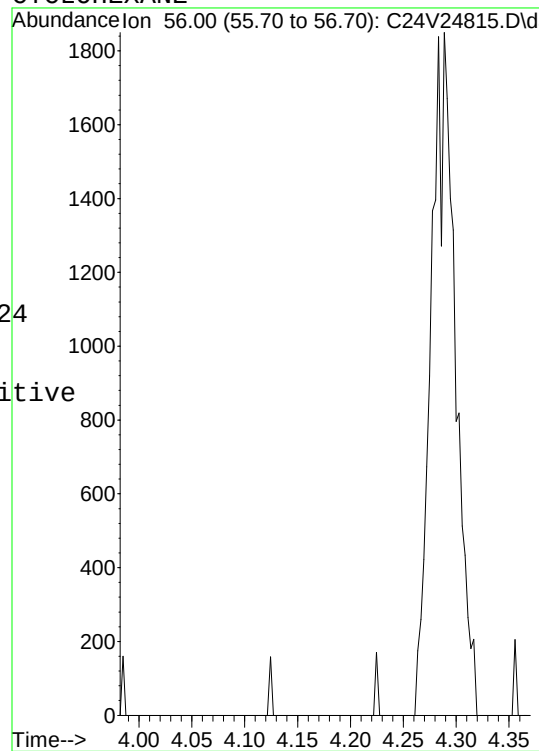
RT : 4.28
Area : 1393
Amount: 0.345831

Manual Int. Results

Wed Sep 04 14:34:30 2024

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CYCLOHEXANE



1 - FORM I

ANALYSIS DATA SHEET

645013-FD-01-20240828

Laboratory:	Pace New England	Work Order:	24H4216
Client:	NYDEC_EA Engineering, Science &	Project:	North Lawrence Oil Dump - CO 152166
Matrix:	Ground Water	Laboratory ID:	24H4216-06
		File ID:	C24V24816.D
Sampled:	08/28/24 00:00	Prepared:	09/03/24 13:25
		Analyzed:	09/04/24 14:39
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B384838	Sequence:	S109958
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone	2.5	2.0	50	J
71-43-2	Benzene		0.14	1.0	
74-97-5	Bromochloromethane		0.32	1.0	
75-27-4	Bromodichloromethane		0.19	0.50	
75-25-2	Bromoform		0.30	1.0	
74-83-9	Bromomethane		1.5	2.0	
78-93-3	2-Butanone (MEK)		1.4	20	
104-51-8	n-Butylbenzene		0.16	1.0	
135-98-8	sec-Butylbenzene		0.16	1.0	
98-06-6	tert-Butylbenzene		0.17	1.0	
75-15-0	Carbon Disulfide		1.5	5.0	
56-23-5	Carbon Tetrachloride		0.19	5.0	L-04, V-05
108-90-7	Chlorobenzene		0.18	1.0	
124-48-1	Chlorodibromomethane		0.13	0.50	
75-00-3	Chloroethane		0.46	2.0	
67-66-3	Chloroform		0.19	2.0	
74-87-3	Chloromethane		0.50	2.0	
110-82-7	Cyclohexane		1.8	5.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.63	5.0	
106-93-4	1,2-Dibromoethane (EDB)		0.13	0.50	
95-50-1	1,2-Dichlorobenzene		0.17	1.0	
541-73-1	1,3-Dichlorobenzene		0.15	1.0	
106-46-7	1,4-Dichlorobenzene		0.17	1.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.20	2.0	
75-34-3	1,1-Dichloroethane		0.15	1.0	
107-06-2	1,2-Dichloroethane		0.13	1.0	
75-35-4	1,1-Dichloroethylene		0.18	1.0	
156-59-2	cis-1,2-Dichloroethylene		0.20	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.16	1.0	

1 - FORM I

ANALYSIS DATA SHEET

645013-FD-01-20240828

Laboratory:	Pace New England	Work Order:	24H4216
Client:	NYDEC_EA Engineering, Science &	Project:	North Lawrence Oil Dump - CO 152166
Matrix:	Ground Water	Laboratory ID:	24H4216-06
		File ID:	C24V24816.D
Sampled:	08/28/24 00:00	Prepared:	09/03/24 13:25
		Analyzed:	09/04/24 14:39
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B384838	Sequence:	S109958
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
78-87-5	1,2-Dichloropropane		0.17	1.0	
10061-01-5	cis-1,3-Dichloropropene		0.13	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.14	0.50	
100-41-4	Ethylbenzene		0.14	1.0	
591-78-6	2-Hexanone (MBK)		1.3	10	
98-82-8	Isopropylbenzene (Cumene)		0.16	1.0	
99-87-6	p-Isopropyltoluene (p-Cymene)		0.16	1.0	
79-20-9	Methyl Acetate		0.48	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.17	1.0	
108-87-2	Methyl Cyclohexane		0.13	1.0	
75-09-2	Methylene Chloride		0.19	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.4	10	
91-20-3	Naphthalene		0.25	2.0	V-05
103-65-1	n-Propylbenzene		0.11	1.0	
100-42-5	Styrene		0.13	1.0	
79-34-5	1,1,2,2-Tetrachloroethane		0.10	0.50	
127-18-4	Tetrachloroethylene		0.17	1.0	
108-88-3	Toluene		0.11	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.22	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.19	1.0	V-05
71-55-6	1,1,1-Trichloroethane		0.14	1.0	
79-00-5	1,1,2-Trichloroethane		0.18	1.0	
79-01-6	Trichloroethylene		0.17	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.14	2.0	
96-18-4	1,2,3-Trichloropropane		0.27	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)		0.16	1.0	
95-63-6	1,2,4-Trimethylbenzene		0.16	1.0	
108-67-8	1,3,5-Trimethylbenzene		0.17	1.0	
75-01-4	Vinyl Chloride		0.19	2.0	

1 - FORM I

ANALYSIS DATA SHEET

645013-FD-01-20240828

Laboratory: Pace New England Work Order: 24H4216
Client: NYDEC_EA Engineering, Science & Technology Project: North Lawrence Oil Dump - CO 152166
Matrix: Ground Water Laboratory ID: 24H4216-06 File ID: C24V24816.D
Sampled: 08/28/24 00:00 Prepared: 09/03/24 13:25 Analyzed: 09/04/24 14:39
Solids: Preparation: SW-846 5030B Dilution: 1
Initial/Final: 5 mL / 5 mL
Batch: B384838 Sequence: S109958 Calibration: 2200537 Instrument: GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
179601-23-1	m+p Xylene		0.25	2.0	
95-47-6	o-Xylene		0.16	1.0	
1330-20-7	Xylenes (total)		1.0	1.0	

Data Path : C:\msdchem\1\data\C090424\
 Data File : C24V24816.D
 Acq On : 4 Sep 2024 2:39 pm
 Operator :
 Sample : 24H4216-06
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Inst : GCMSVOA3

Quant Time: Sep 04 14:54:54 2024
 Quant Method : C:\msdchem\1\methods\C080822.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Wed Jan 10 12:13:53 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

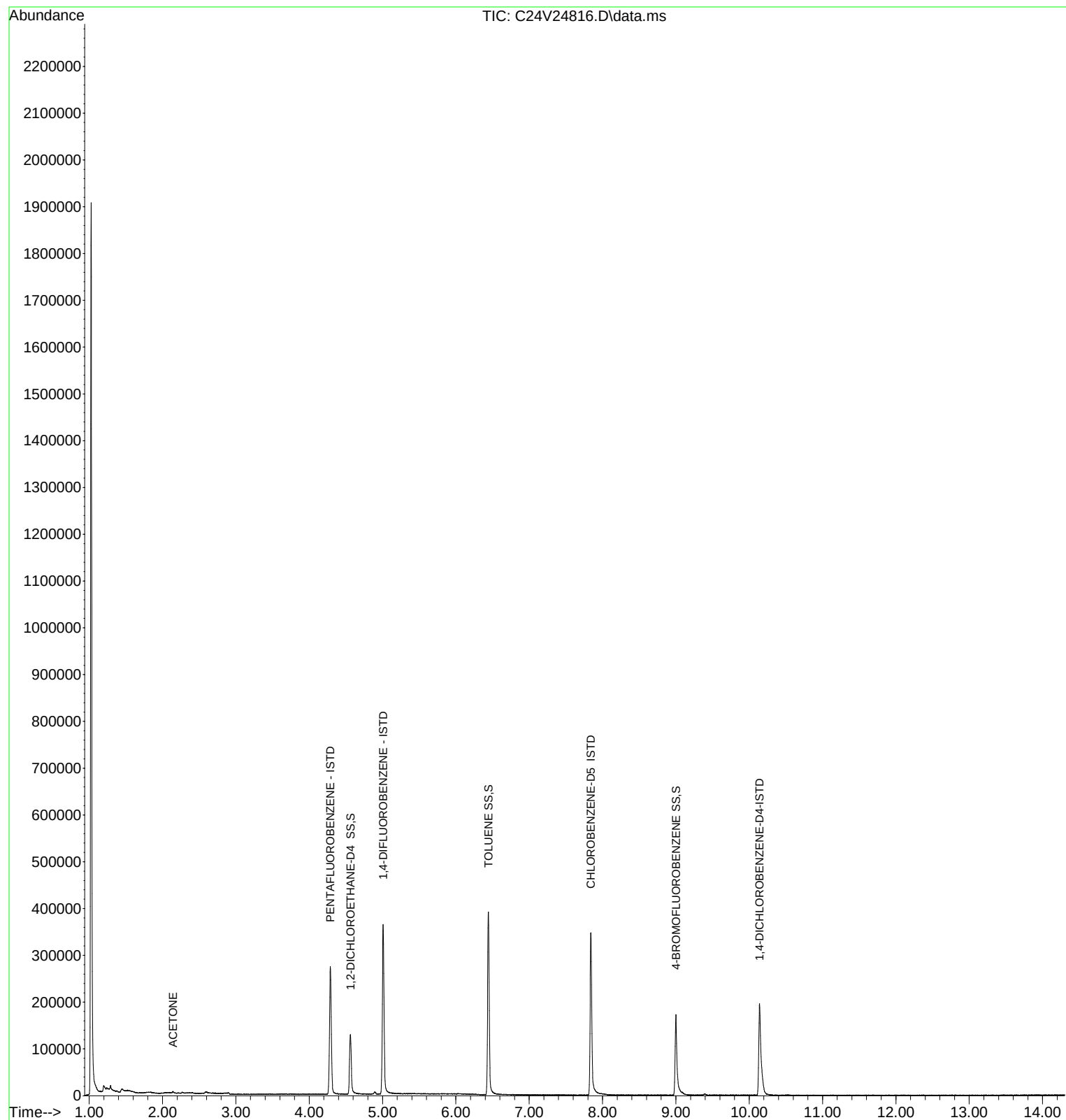
Internal Standards						
1) PENTAFLUOROBENZENE - ISTD	4.289	168	176329	30.00	UG/L	0.00
49) 1,4-DIFLUOROBENZENE - ...	5.008	114	265835	30.00	UG/L	0.00
72) CHLOROBENZENE-D5 ISTD	7.839	82	102093	30.00	UG/L	0.00
91) 1,4-DICHLOROBENZENE-D4...	10.139	152	75288	30.00	UG/L	# 0.00
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4 SS	4.562	65	79336	23.98	UG/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	95.92%		
50) TOLUENE SS	6.444	98	233866	22.21	UG/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	88.84%		
73) 4-BROMOFLUOROBENZENE SS	8.999	95	60515	19.99	UG/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	79.96%		
Target Compounds						
14) ACETONE	2.144	43	2690	2.51	UG/L	Qvalue 99

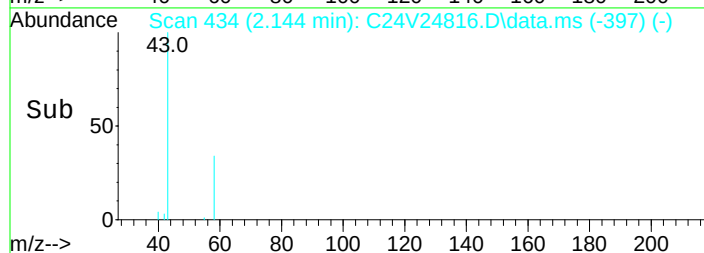
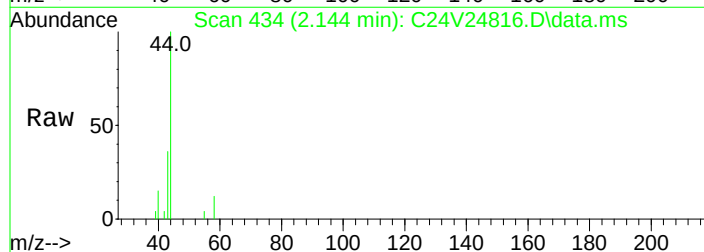
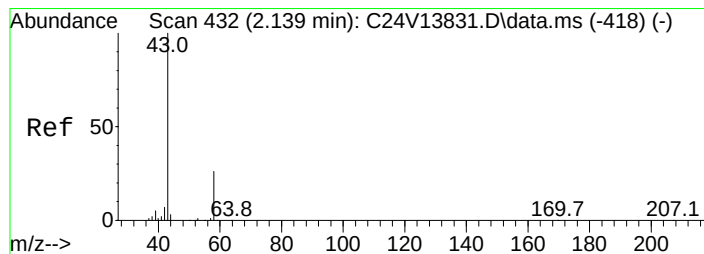
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\data\C090424\
Data File : C24V24816.D
Acq On : 4 Sep 2024 2:39 pm
Operator :
Sample : 24H4216-06
Misc :
ALS Vial : 16 Sample Multiplier: 1

Inst : GCMSVOA3

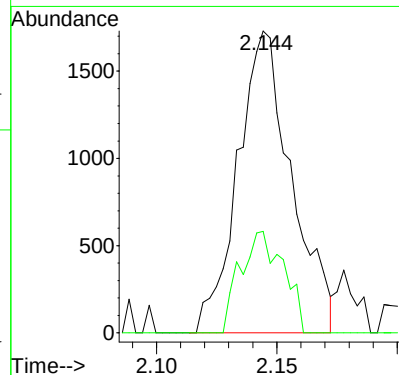
Quant Time: Sep 04 14:54:54 2024
Quant Method : C:\msdchem\1\methods\C080822.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
QLast Update : Wed Jan 10 12:13:53 2024
Response via : Initial Calibration





#14
ACETONE
Concen: 2.51 UG/L
RT: 2.144 min Scan# 434
Delta R.T. 0.008 min
Lab File: C24V24816.D
Acq: 4 Sep 2024 2:39 pm

Tgt Ion:	43	Resp:	2690
Ion Ratio	Lower	Upper	
43	100		
58	27.1	22.1	33.1

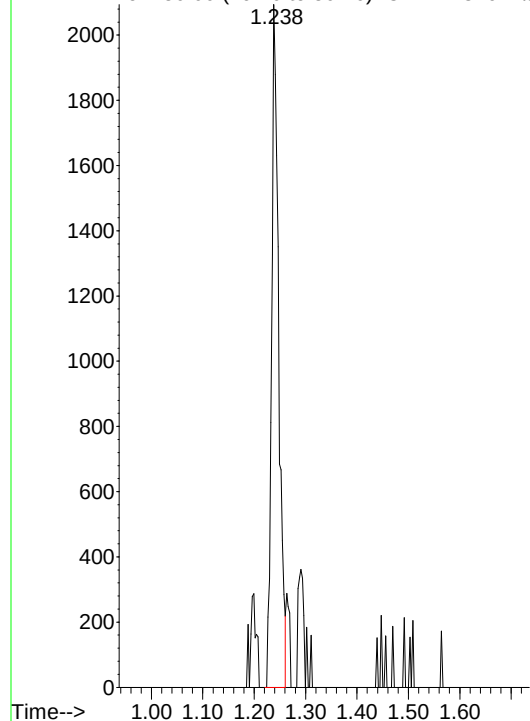


Data Path : C:\msdchem\1\data\C090424\
Data File : C24V24816.D
Acq On : 4 Sep 2024 2:39 pm
Operator :
Sample : 24H4216-06
Misc :

Quant Time : Wed Sep 04 14:54:54 2024
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Wed Jan 10 12:13:53 2024

Original Integration
CHLOROMETHANE

Abundance Ion 50.00 (49.70 to 50.70): C24V24816.D



Original Int. Results

RT : 1.24
Area : 1998
Amount: 0.479089

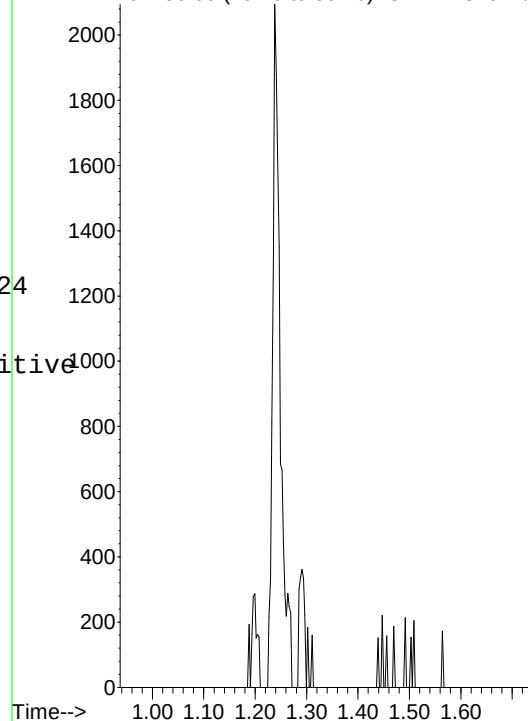
Manual Int. Results

Wed Sep 04 14:54:12 2024

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

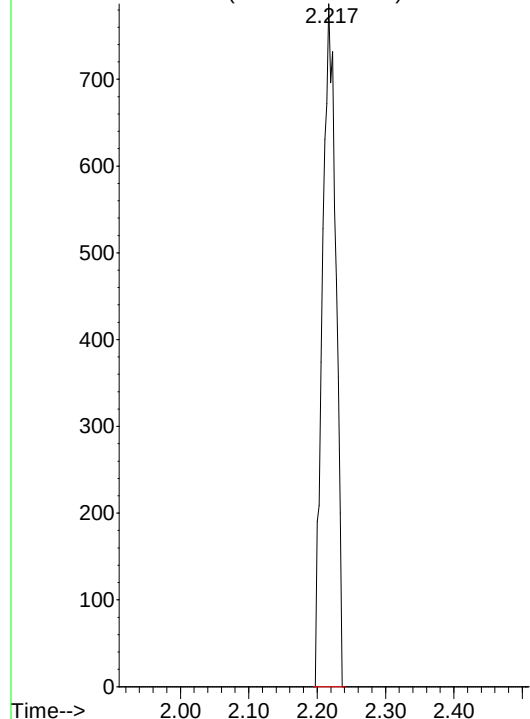
Manual Integration
CHLOROMETHANE

Abundance Ion 50.00 (49.70 to 50.70): C24V24816.D



Original Integration
IODOMETHANE

Abundance Ion 142.00 (141.70 to 142.70): C24V24816.D



Original Int. Results

RT : 2.22
Area : 1070
Amount: 0.335875

Manual Int. Results

Wed Sep 04 14:54:21 2024

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
IODOMETHANE

Abundance Ion 142.00 (141.70 to 142.70): C24V24816.D

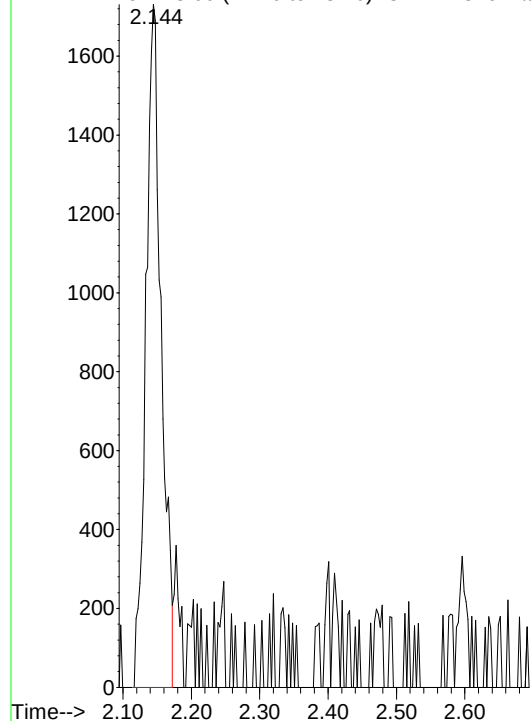


Data Path : C:\msdchem\1\data\C090424\
Data File : C24V24816.D
Acq On : 4 Sep 2024 2:39 pm
Operator :
Sample : 24H4216-06
Misc :

Quant Time : Wed Sep 04 14:54:54 2024
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Wed Jan 10 12:13:53 2024

Original Integration
METHYL ACETATE

Abundance Ion 43.00 (42.70 to 43.70): C24V24816.D



Original Int. Results

RT : 2.14
Area : 2690
Amount: 0.645636

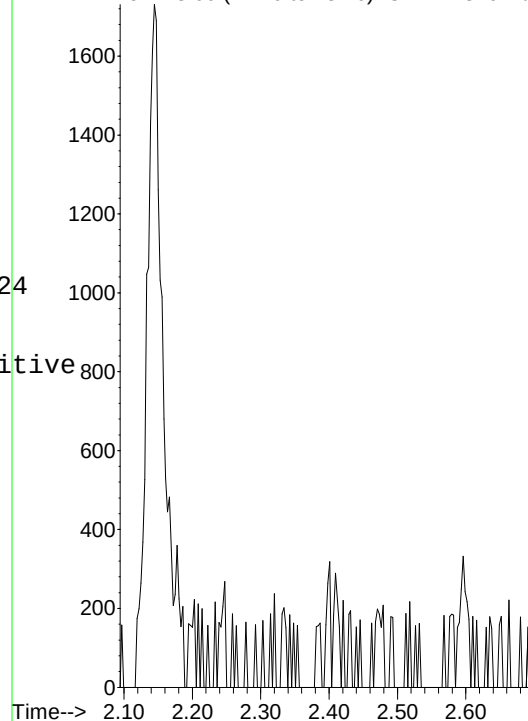
Manual Int. Results

Wed Sep 04 14:54:25 2024

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

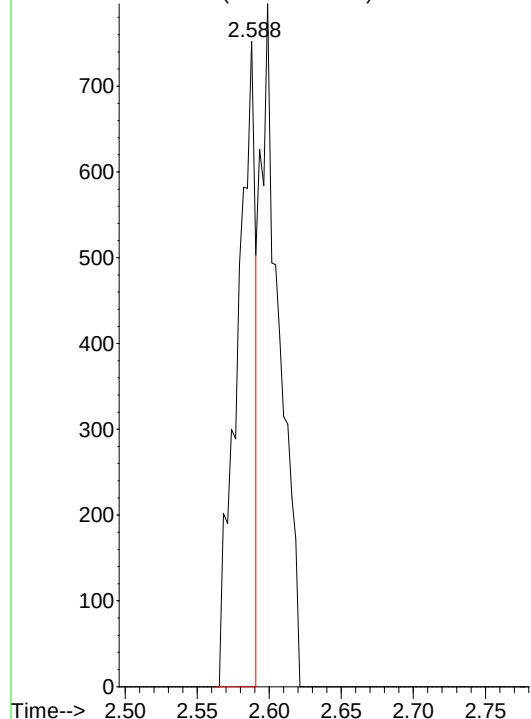
Manual Integration
METHYL ACETATE

Abundance Ion 43.00 (42.70 to 43.70): C24V24816.D



Original Integration
T-BUTYL ALCOHOL

Abundance Ion 59.10 (58.80 to 59.80): C24V24816.D



Original Int. Results

RT : 2.59
Area : 651
Amount: 1.54189

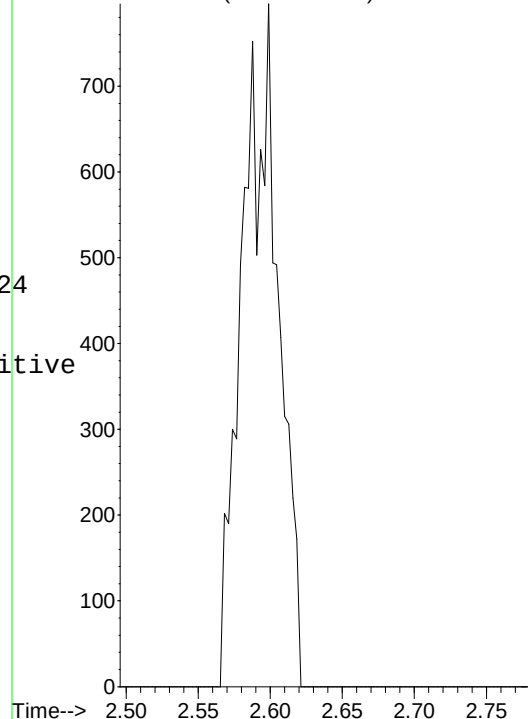
Manual Int. Results

Wed Sep 04 14:54:33 2024

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
T-BUTYL ALCOHOL

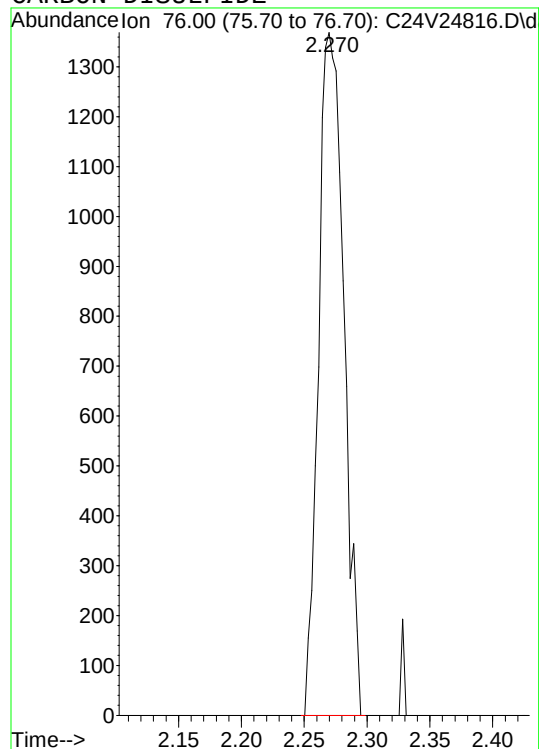
Abundance Ion 59.10 (58.80 to 59.80): C24V24816.D



Data Path : C:\msdchem\1\data\C090424\
Data File : C24V24816.D
Acq On : 4 Sep 2024 2:39 pm
Operator :
Sample : 24H4216-06
Misc :

Quant Time : Wed Sep 04 14:54:54 2024
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Wed Jan 10 12:13:53 2024

Original Integration
CARBON DISULFIDE



Original Int. Results

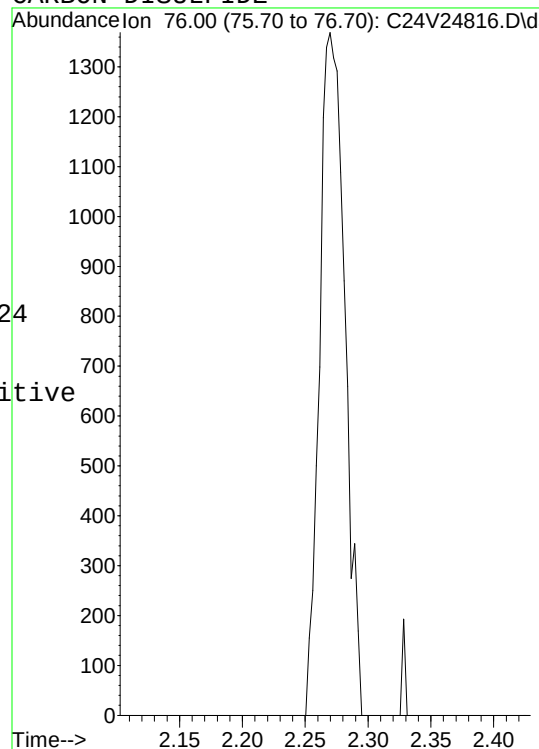
RT : 2.27
Area : 1929
Amount: 0.262453

Manual Int. Results

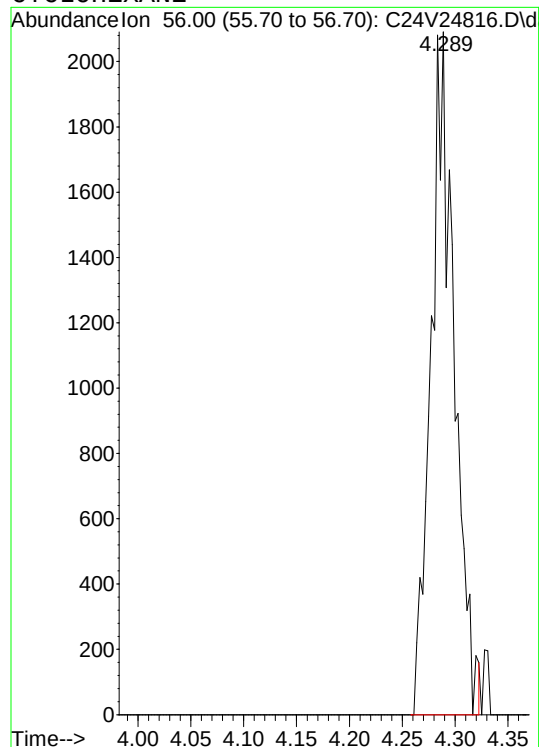
Wed Sep 04 14:54:37 2024

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CARBON DISULFIDE



Original Integration
CYCLOHEXANE



Original Int. Results

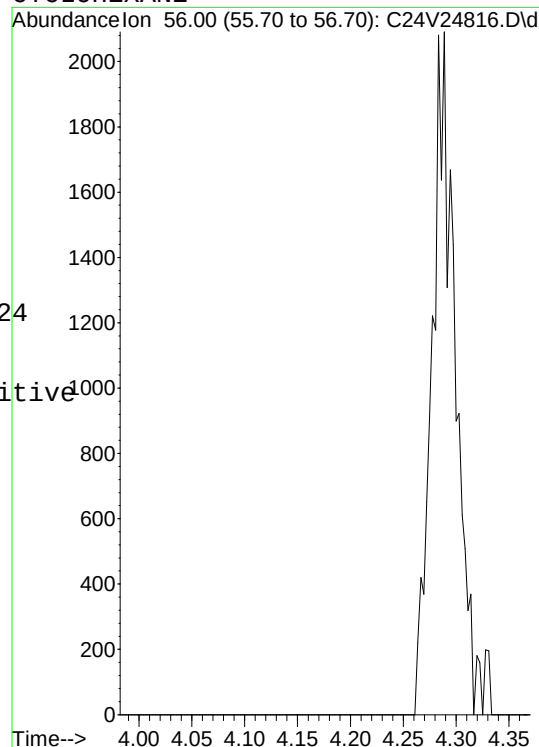
RT : 4.29
Area : 3207
Amount: 0.770648

Manual Int. Results

Wed Sep 04 14:54:53 2024

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CYCLOHEXANE



1 - FORM I

ANALYSIS DATA SHEET

645013-TB

Laboratory:	Pace New England	Work Order:	24H4216
Client:	NYDEC_EA Engineering, Science &	Project:	North Lawrence Oil Dump - CO 152166
Matrix:	Trip Blank Water	Laboratory ID:	24H4216-07
		File ID:	C24V24809.D
Sampled:	08/28/24 00:00	Prepared:	09/03/24 13:25
		Analyzed:	09/04/24 11:32
Solids:		Preparation:	SW-846 5030B
		Dilution:	1
Initial/Final:	5 mL / 5 mL		
Batch:	B384838	Sequence:	S109958
		Calibration:	2200537
		Instrument:	GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone	5.2	2.0	50	J
71-43-2	Benzene		0.14	1.0	
74-97-5	Bromochloromethane		0.32	1.0	
75-27-4	Bromodichloromethane		0.19	0.50	
75-25-2	Bromoform		0.30	1.0	
74-83-9	Bromomethane		1.5	2.0	
78-93-3	2-Butanone (MEK)		1.4	20	
104-51-8	n-Butylbenzene		0.16	1.0	
135-98-8	sec-Butylbenzene		0.16	1.0	
98-06-6	tert-Butylbenzene		0.17	1.0	
75-15-0	Carbon Disulfide		1.5	5.0	
56-23-5	Carbon Tetrachloride		0.19	5.0	L-04, V-05
108-90-7	Chlorobenzene		0.18	1.0	
124-48-1	Chlorodibromomethane		0.13	0.50	
75-00-3	Chloroethane		0.46	2.0	
67-66-3	Chloroform		0.19	2.0	
74-87-3	Chloromethane		0.50	2.0	
110-82-7	Cyclohexane		1.8	5.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.63	5.0	
106-93-4	1,2-Dibromoethane (EDB)		0.13	0.50	
95-50-1	1,2-Dichlorobenzene		0.17	1.0	
541-73-1	1,3-Dichlorobenzene		0.15	1.0	
106-46-7	1,4-Dichlorobenzene		0.17	1.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.20	2.0	
75-34-3	1,1-Dichloroethane		0.15	1.0	
107-06-2	1,2-Dichloroethane		0.13	1.0	
75-35-4	1,1-Dichloroethylene		0.18	1.0	
156-59-2	cis-1,2-Dichloroethylene		0.20	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.16	1.0	

1 - FORM I

ANALYSIS DATA SHEET

645013-TB

Laboratory:	Pace New England	Work Order:	24H4216	
Client:	NYDEC_EA Engineering, Science &	Project:	North Lawrence Oil Dump - CO 152166	
Matrix:	Trip Blank Water	Laboratory ID:	24H4216-07	File ID: C24V24809.D
Sampled:	08/28/24 00:00	Prepared:	09/03/24 13:25	Analyzed: 09/04/24 11:32
Solids:		Preparation:	SW-846 5030B	Dilution: 1
Initial/Final:	5 mL / 5 mL			
Batch:	B384838	Sequence:	S109958	Calibration: 2200537
				Instrument: GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
78-87-5	1,2-Dichloropropane		0.17	1.0	
10061-01-5	cis-1,3-Dichloropropene		0.13	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.14	0.50	
100-41-4	Ethylbenzene		0.14	1.0	
591-78-6	2-Hexanone (MBK)		1.3	10	
98-82-8	Isopropylbenzene (Cumene)		0.16	1.0	
99-87-6	p-Isopropyltoluene (p-Cymene)		0.16	1.0	
79-20-9	Methyl Acetate		0.48	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.17	1.0	
108-87-2	Methyl Cyclohexane		0.13	1.0	
75-09-2	Methylene Chloride		0.19	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.4	10	
91-20-3	Naphthalene		0.25	2.0	V-05
103-65-1	n-Propylbenzene		0.11	1.0	
100-42-5	Styrene		0.13	1.0	
79-34-5	1,1,2,2-Tetrachloroethane		0.10	0.50	
127-18-4	Tetrachloroethylene		0.17	1.0	
108-88-3	Toluene		0.11	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.22	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.19	1.0	V-05
71-55-6	1,1,1-Trichloroethane		0.14	1.0	
79-00-5	1,1,2-Trichloroethane		0.18	1.0	
79-01-6	Trichloroethylene		0.17	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.14	2.0	
96-18-4	1,2,3-Trichloropropane		0.27	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)		0.16	1.0	
95-63-6	1,2,4-Trimethylbenzene		0.16	1.0	
108-67-8	1,3,5-Trimethylbenzene		0.17	1.0	
75-01-4	Vinyl Chloride		0.19	2.0	

1 - FORM I

ANALYSIS DATA SHEET

645013-TB

Laboratory: Pace New England Work Order: 24H4216
Client: NYDEC_EA Engineering, Science & Technology Project: North Lawrence Oil Dump - CO 152166
Matrix: Trip Blank Water Laboratory ID: 24H4216-07 File ID: C24V24809.D
Sampled: 08/28/24 00:00 Prepared: 09/03/24 13:25 Analyzed: 09/04/24 11:32
Solids: Preparation: SW-846 5030B Dilution: 1
Initial/Final: 5 mL / 5 mL
Batch: B384838 Sequence: S109958 Calibration: 2200537 Instrument: GCMSVOA3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
179601-23-1	m+p Xylene		0.25	2.0	
95-47-6	o-Xylene		0.16	1.0	
1330-20-7	Xylenes (total)		1.0	1.0	

Data Path : C:\msdchem\1\data\C090424\
 Data File : C24V24809.D
 Acq On : 4 Sep 2024 11:32 am
 Operator :
 Sample : 24H4216-07
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Inst : GCMSVOA3

Quant Time: Sep 04 12:55:14 2024
 Quant Method : C:\msdchem\1\methods\C080822.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Wed Jan 10 12:13:53 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) PENTAFLUOROBENZENE - ISTD	4.289	168	170003	30.00	UG/L	0.00
49) 1,4-DIFLUOROBENZENE - ...	5.008	114	253951	30.00	UG/L	0.00
72) CHLOROBENZENE-D5 ISTD	7.839	82	102402	30.00	UG/L	0.00
91) 1,4-DICHLOROBENZENE-D4...	10.142	152	79255	30.00	UG/L	# 0.00
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4 SS	4.562	65	78716	24.67	UG/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	98.68%		
50) TOLUENE SS	6.444	98	232687	23.14	UG/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	92.56%		
73) 4-BROMOFLUOROBENZENE SS	9.001	95	63910	21.05	UG/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	84.20%		
Target Compounds						
14) ACETONE	2.141	43	5334	5.17	UG/L	Qvalue 98

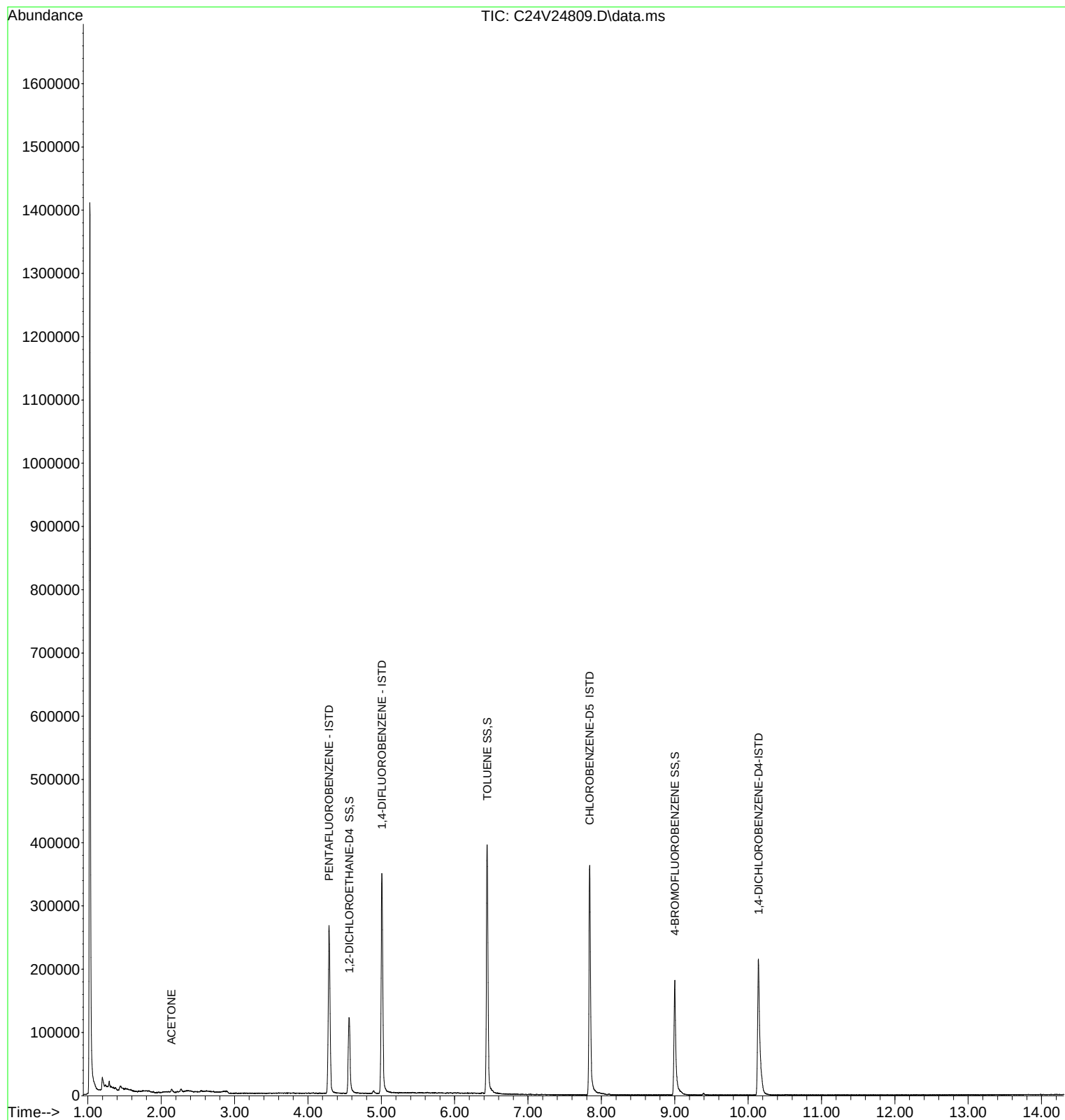
(#) = qualifier out of range (m) = manual integration (+) = signals summed

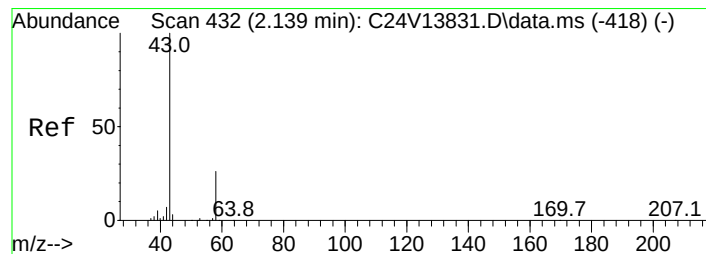
Data Path : C:\msdchem\1\data\C090424\
Data File : C24V24809.D
Acq On : 4 Sep 2024 11:32 am
Operator :
Sample : 24H4216-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

100

Inst : GCMSVOA3

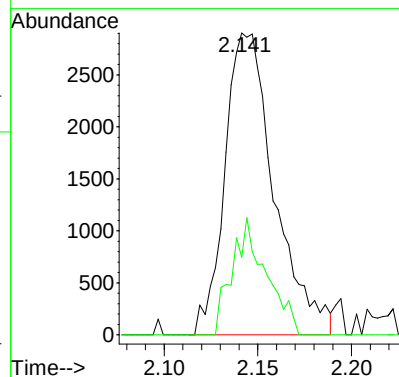
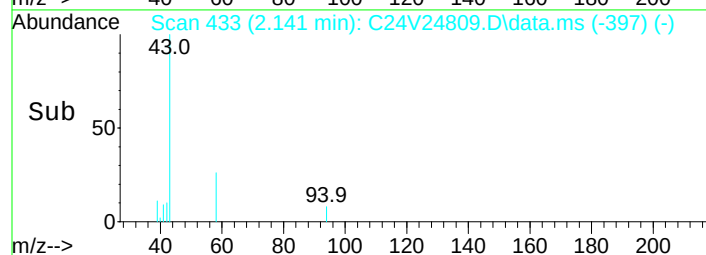
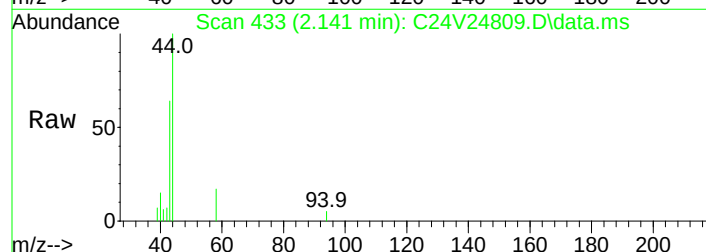
Quant Time: Sep 04 12:55:14 2024
Quant Method : C:\msdchem\1\methods\C080822.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
QLast Update : Wed Jan 10 12:13:53 2024
Response via : Initial Calibration





#14
ACETONE
Concen: 5.17 UG/L
RT: 2.141 min Scan# 433
Delta R.T. 0.005 min
Lab File: C24V24809.D
Acq: 4 Sep 2024 11:32 am

Tgt Ion: 43 Resp: 5334
Ion Ratio Lower Upper
43 100
58 26.8 22.1 33.1

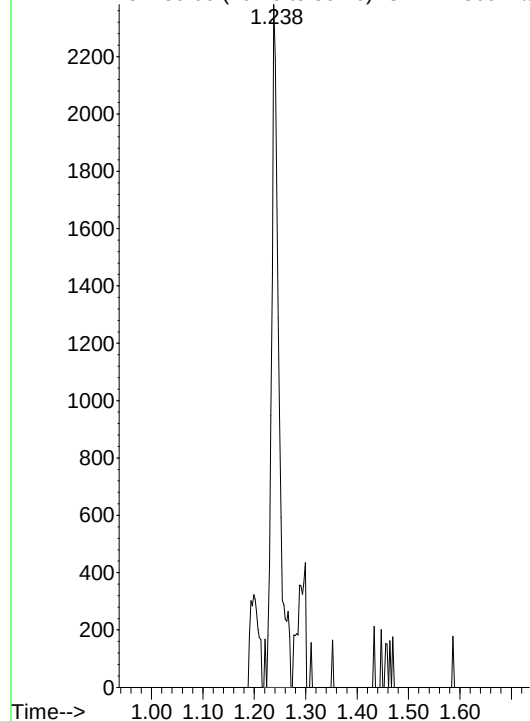


Data Path : C:\msdchem\1\data\C090424\
Data File : C24V24809.D
Acq On : 4 Sep 2024 11:32 am
Operator :
Sample : 24H4216-07
Misc :

Quant Time : Wed Sep 04 12:55:14 2024
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Wed Jan 10 12:13:53 2024

Original Integration
CHLOROMETHANE

Abundance Ion 50.00 (49.70 to 50.70): C24V24809.D



Original Int. Results

RT : 1.24
Area : 2320
Amount: 0.577

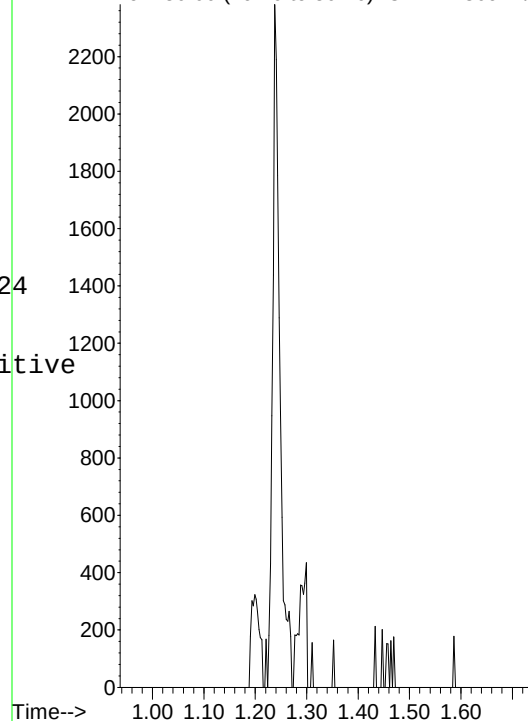
Manual Int. Results

Wed Sep 04 12:53:48 2024

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

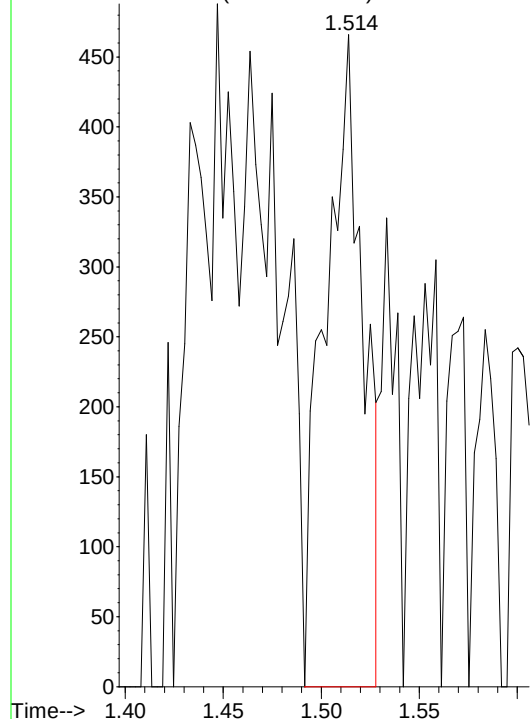
Manual Integration
CHLOROMETHANE

Abundance Ion 50.00 (49.70 to 50.70): C24V24809.D



Original Integration
BROMOMETHANE

Abundance Ion 94.00 (93.70 to 94.70): C24V24809.D



Original Int. Results

RT : 1.51
Area : 631
Amount: 0.361576

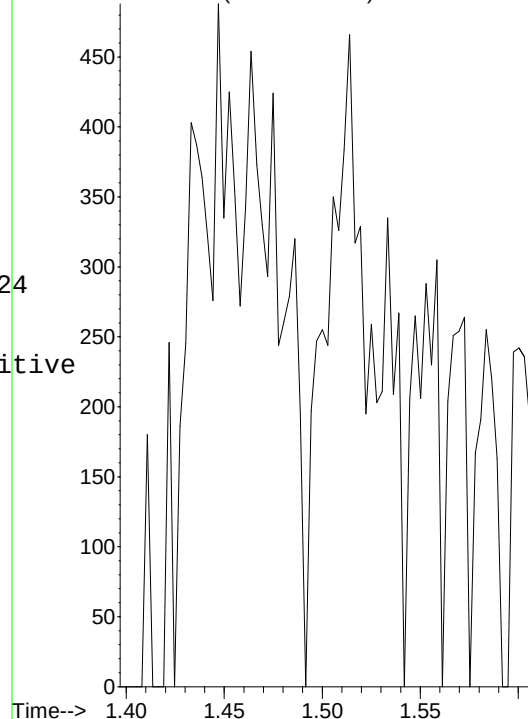
Manual Int. Results

Wed Sep 04 12:54:01 2024

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
BROMOMETHANE

Abundance Ion 94.00 (93.70 to 94.70): C24V24809.D

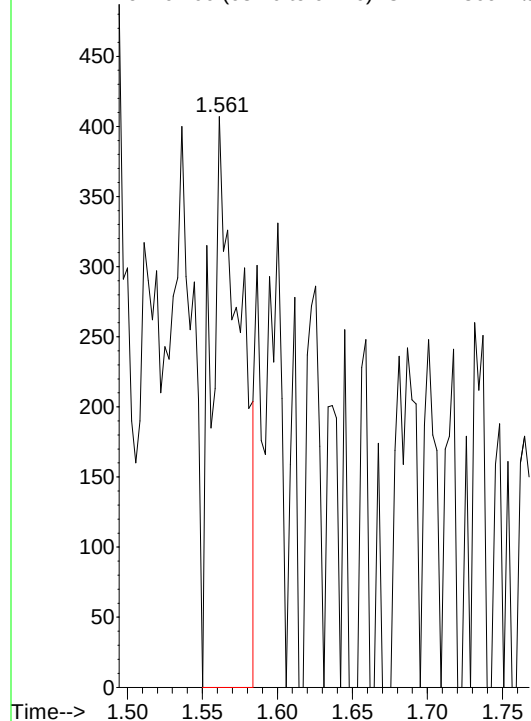


Data Path : C:\msdchem\1\data\C090424\
Data File : C24V24809.D
Acq On : 4 Sep 2024 11:32 am
Operator :
Sample : 24H4216-07
Misc :

Quant Time : Wed Sep 04 12:55:14 2024
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Wed Jan 10 12:13:53 2024

Original Integration
CHLOROETHANE

Abundance Ion 64.00 (63.70 to 64.70): C24V24809.D



Original Int. Results

RT : 1.56
Area : 543
Amount: 0.266083

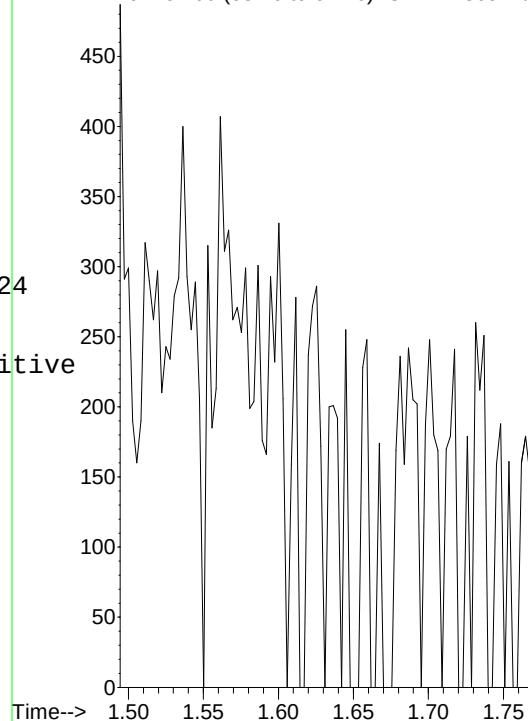
Manual Int. Results

Wed Sep 04 12:54:05 2024

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

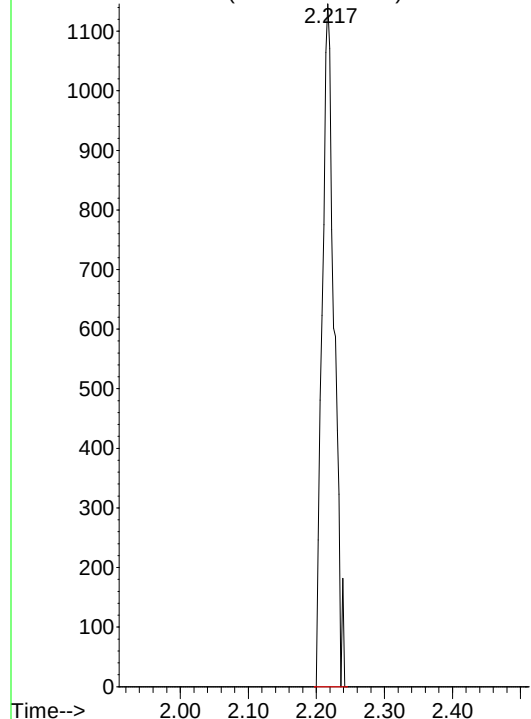
Manual Integration
CHLOROETHANE

Abundance Ion 64.00 (63.70 to 64.70): C24V24809.D



Original Integration
IODOMETHANE

Abundance Ion 142.00 (141.70 to 142.70): C24V24809.D



Original Int. Results

RT : 2.22
Area : 1389
Amount: 0.452234

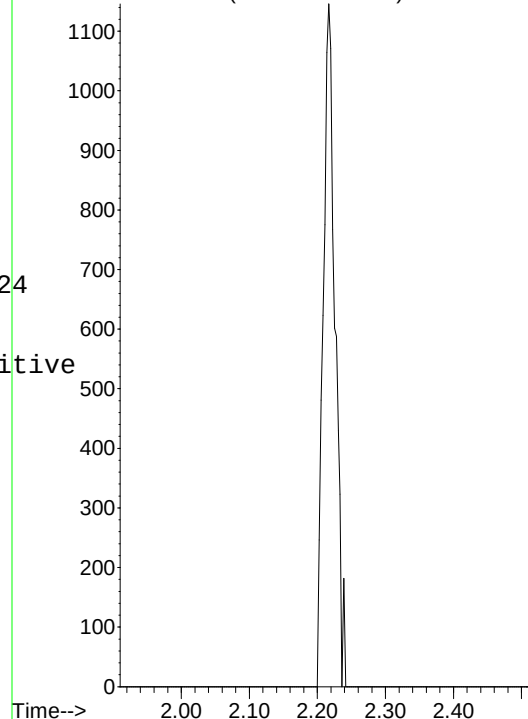
Manual Int. Results

Wed Sep 04 12:54:51 2024

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
IODOMETHANE

Abundance Ion 142.00 (141.70 to 142.70): C24V24809.D

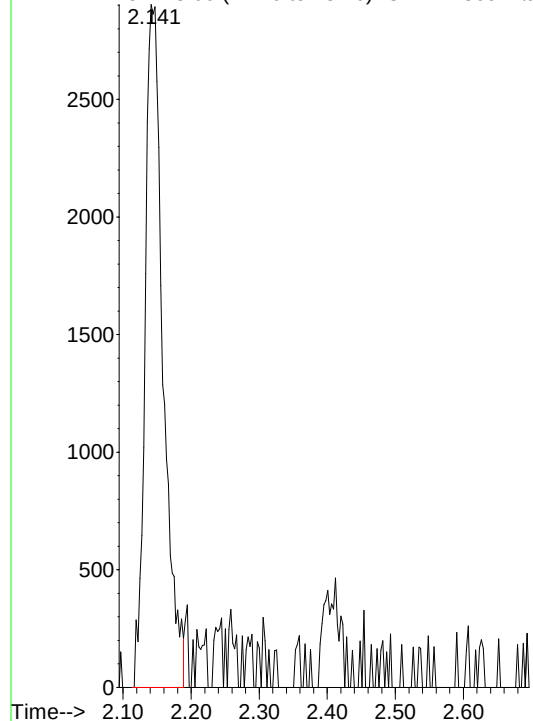


Data Path : C:\msdchem\1\data\C090424\
Data File : C24V24809.D
Acq On : 4 Sep 2024 11:32 am
Operator :
Sample : 24H4216-07
Misc :

Quant Time : Wed Sep 04 12:55:14 2024
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Wed Jan 10 12:13:53 2024

Original Integration
METHYL ACETATE

Abundance Ion 43.00 (42.70 to 43.70): C24V24809.D



Original Int. Results

RT : 2.14
Area : 5334
Amount: 1.32787

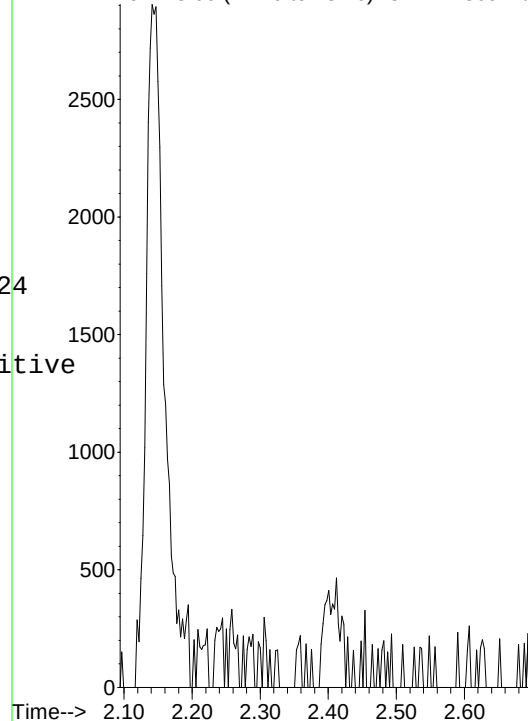
Manual Int. Results

Wed Sep 04 12:54:55 2024

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

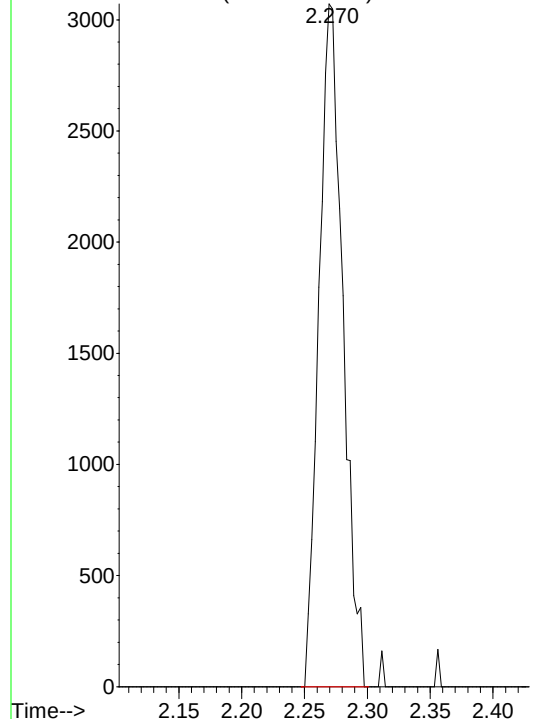
Manual Integration
METHYL ACETATE

Abundance Ion 43.00 (42.70 to 43.70): C24V24809.D



Original Integration
CARBON DISULFIDE

Abundance Ion 76.00 (75.70 to 76.70): C24V24809.D



Original Int. Results

RT : 2.27
Area : 4090
Amount: 0.577179

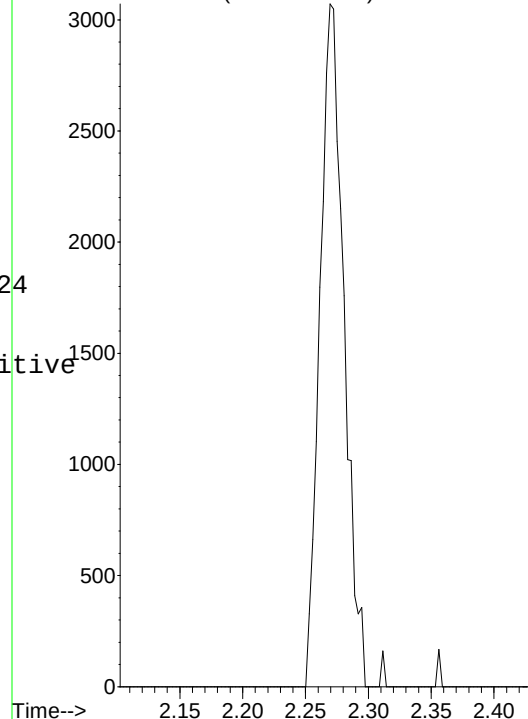
Manual Int. Results

Wed Sep 04 12:54:59 2024

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CARBON DISULFIDE

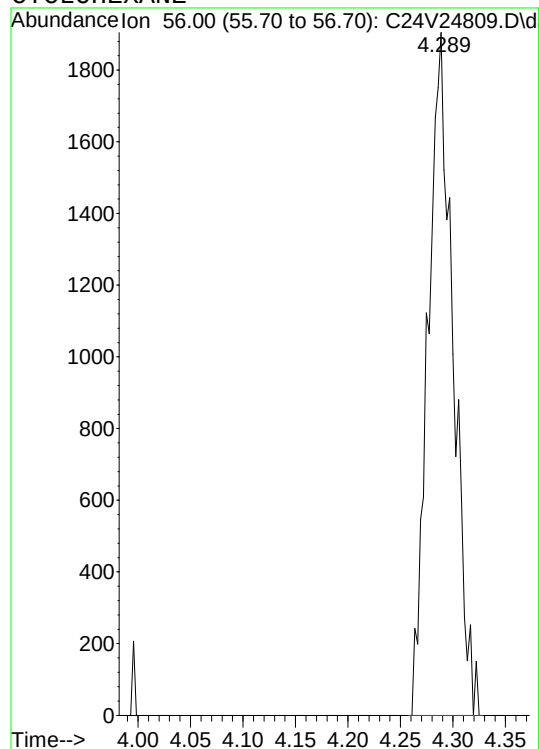
Abundance Ion 76.00 (75.70 to 76.70): C24V24809.D



Data Path : C:\msdchem\1\data\C090424\
Data File : C24V24809.D
Acq On : 4 Sep 2024 11:32 am
Operator :
Sample : 24H4216-07
Misc :

Quant Time : Wed Sep 04 12:55:14 2024
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Wed Jan 10 12:13:53 2024

Original Integration
CYCLOHEXANE



Original Int. Results

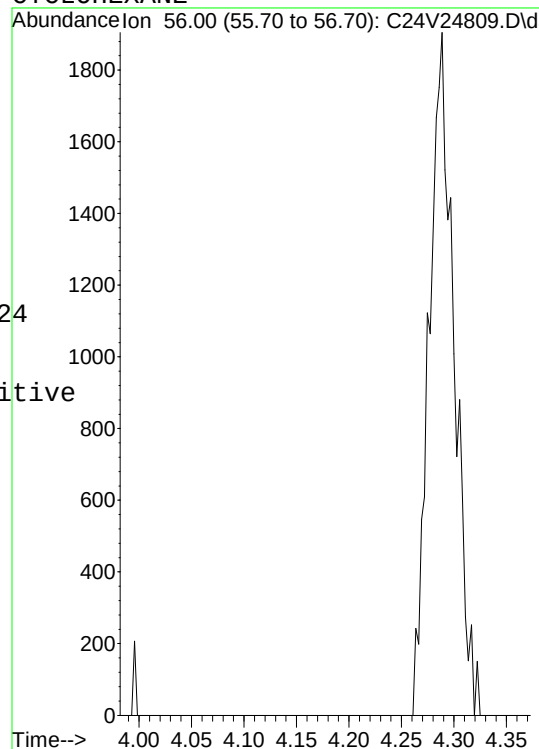
RT : 4.29
Area : 3157
Amount: 0.786862

Manual Int. Results

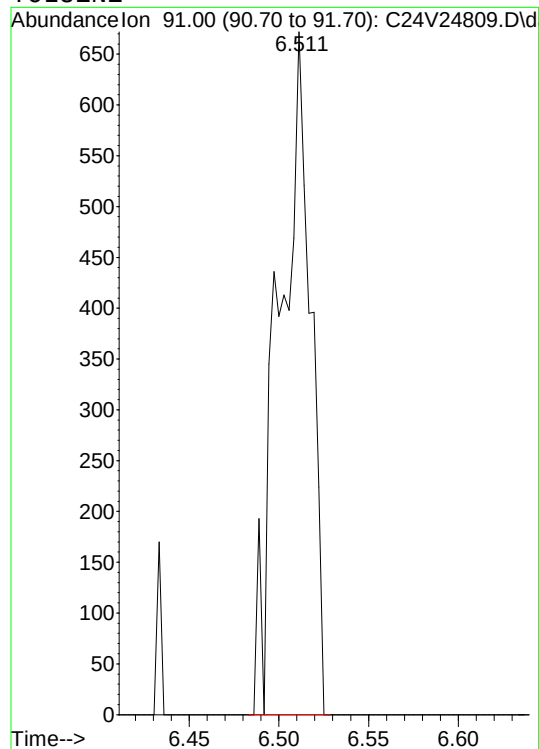
Wed Sep 04 12:55:04 2024

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CYCLOHEXANE



Original Integration
TOLUENE



Original Int. Results

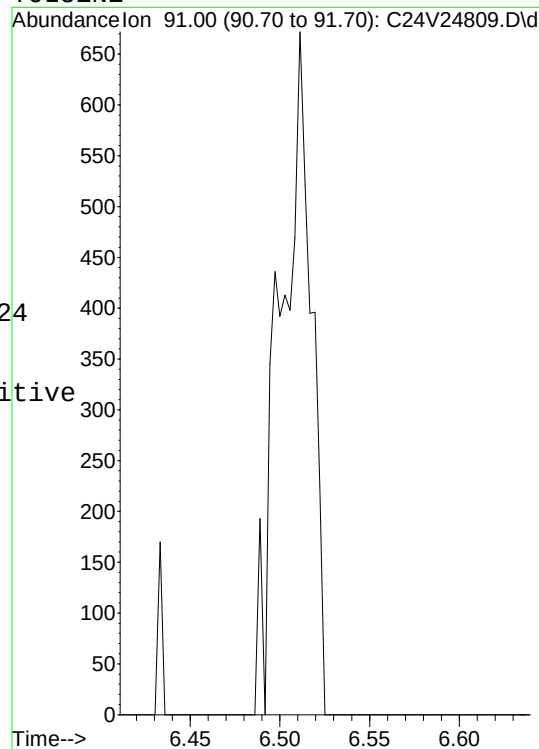
RT : 6.51
Area : 812
Amount: 0.0802606

Manual Int. Results

Wed Sep 04 12:55:13 2024

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
TOLUENE



QC DATA

Instrument: GCMSVOA3

	1,2-DCA-d4 (70% - 130%)	BFB (70% - 130%)	TOL-d8 (70% - 130%)
24H4216-01	95.0	79.2	93.0
24H4216-02	92.0	82.2	93.3
24H4216-03	96.5	79.4	85.0
24H4216-04	101	77.4	85.5
24H4216-05	99.4	82.2	87.0
24H4216-06	95.9	80.0	88.8
24H4216-07	98.7	84.2	92.6
B384838-BLK1	98.3	84.0	83.5
B384838-BS1	96.7	94.6	91.9
B384838-BSD1	97.2	93.9	102
B384838-MS1	96.0	90.1	91.4
B384838-MSD1	98.3	90.9	100

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

645013-MW-301-20240828

Laboratory:	Pace New England	Work Order:	24H4216
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	North Lawrence Oil Dump - CO 152166
Matrix:	Water	Analysis:	SW-846 8260D
Batch:	B384838	Preparation:	SW-846 5030B
% Solids:		Laboratory ID:	B384838-MS1
Initial/Final:	5 mL / 5 mL	Sample Lab ID:	24H4216-01
Column:			

ANALYTE	SPIKE ADDED (µg/L)	SAMPLE CONCENTRATION (µg/L)	MS CONCENTRATION (µg/L)	MS % REC.	QC LIMITS REC.
Acetone	100	2.93	81.0	78.0	70 - 130
Benzene	10.0	ND	11.8	118	70 - 130
Bromochloromethane	10.0	ND	11.1	111	70 - 130
Bromodichloromethane	10.0	ND	9.21	92.1	70 - 130
Bromoform	10.0	ND	7.68	76.8	70 - 130
Bromomethane	10.0	ND	10.3	103	70 - 130
2-Butanone (MEK)	100	ND	83.0	83.0	70 - 130
n-Butylbenzene	10.0	ND	7.06	70.6	70 - 130
sec-Butylbenzene	10.0	ND	9.22	92.2	70 - 130
tert-Butylbenzene	10.0	ND	9.05	90.5	70 - 130
Carbon Disulfide	100	ND	105	105	70 - 130
Carbon Tetrachloride	10.0	ND	8.43	84.3	70 - 130
Chlorobenzene	10.0	ND	10.8	108	70 - 130
Chlorodibromomethane	10.0	ND	8.33	83.3	70 - 130
Chloroethane	10.0	ND	9.53	95.3	70 - 130
Chloroform	10.0	ND	10.8	108	70 - 130
Chloromethane	10.0	ND	16.1	161	* 70 - 130
Cyclohexane	10.0	ND	10.8	108	70 - 130
1,2-Dibromo-3-chloropropane (DBCP)	10.0	ND	7.55	75.5	70 - 130
1,2-Dibromoethane (EDB)	10.0	ND	9.17	91.7	70 - 130
1,2-Dichlorobenzene	10.0	ND	9.87	98.7	70 - 130
1,3-Dichlorobenzene	10.0	ND	9.82	98.2	70 - 130
1,4-Dichlorobenzene	10.0	ND	9.66	96.6	70 - 130
Dichlorodifluoromethane (Freon 12)	10.0	ND	8.66	86.6	70 - 130
1,1-Dichloroethane	10.0	ND	10.4	104	70 - 130
1,2-Dichloroethane	10.0	ND	10.2	102	70 - 130
1,1-Dichloroethylene	10.0	ND	9.69	96.9	70 - 130
cis-1,2-Dichloroethylene	10.0	5.94	16.2	103	70 - 130
trans-1,2-Dichloroethylene	10.0	0.220	9.90	96.8	70 - 130

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

645013-MW-301-20240828

Laboratory:	Pace New England	Work Order:	24H4216
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	North Lawrence Oil Dump - CO 152166
Matrix:	Water	Analysis:	SW-846 8260D
Batch:	B384838	Preparation:	SW-846 5030B
% Solids:		Laboratory ID:	B384838-MS1
Initial/Final:	5 mL / 5 mL	Sample Lab ID:	24H4216-01
Column:			

ANALYTE	SPIKE ADDED (µg/L)	SAMPLE CONCENTRATION (µg/L)	MS CONCENTRATION (µg/L)	MS % REC.	QC LIMITS REC.
1,2-Dichloropropane	10.0	ND	11.2	112	70 - 130
cis-1,3-Dichloropropene	10.0	ND	7.88	78.8	70 - 130
trans-1,3-Dichloropropene	10.0	ND	7.34	73.4	70 - 130
Ethylbenzene	10.0	ND	9.90	99.0	70 - 130
2-Hexanone (MBK)	100	ND	52.0	52.0	* 70 - 130
Isopropylbenzene (Cumene)	10.0	ND	8.75	87.5	70 - 130
p-Isopropyltoluene (p-Cymene)	10.0	ND	8.70	87.0	70 - 130
Methyl Acetate	10.0	ND	8.73	87.3	70 - 130
Methyl tert-Butyl Ether (MTBE)	10.0	ND	8.97	89.7	70 - 130
Methyl Cyclohexane	10.0	ND	12.0	120	70 - 130
Methylene Chloride	10.0	ND	9.34	93.4	70 - 130
4-Methyl-2-pentanone (MIBK)	100	ND	65.1	65.1	* 70 - 130
Naphthalene	10.0	ND	2.72	27.2	* 70 - 130
n-Propylbenzene	10.0	ND	8.37	83.7	70 - 130
Styrene	10.0	ND	7.69	76.9	70 - 130
1,1,2,2-Tetrachloroethane	10.0	ND	9.42	94.2	70 - 130
Tetrachloroethylene	10.0	ND	10.3	103	70 - 130
Toluene	10.0	ND	9.92	99.2	70 - 130
1,2,3-Trichlorobenzene	10.0	ND	5.19	51.9	* 70 - 130
1,2,4-Trichlorobenzene	10.0	ND	4.75	47.5	* 70 - 130
1,1,1-Trichloroethane	10.0	ND	10.5	105	70 - 130
1,1,2-Trichloroethane	10.0	ND	9.62	96.2	70 - 130
Trichloroethylene	10.0	ND	12.2	122	70 - 130
Trichlorofluoromethane (Freon 11)	10.0	ND	10.2	102	70 - 130
1,2,3-Trichloropropane	10.0	ND	9.42	94.2	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0	ND	10.5	105	70 - 130
1,2,4-Trimethylbenzene	10.0	ND	9.22	92.2	70 - 130
1,3,5-Trimethylbenzene	10.0	ND	8.98	89.8	70 - 130
Vinyl Chloride	10.0	ND	8.94	89.4	70 - 130

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY
645013-MW-301-20240828

Laboratory: Pace New England

Client: NYDEC_EA Engineering, Science & Tech. - NY

Matrix: Water

Batch: B384838

% Solids:

Initial/Final: 5 mL / 5 mL

Column:

Work Order: 24H4216

Project: North Lawrence Oil Dump - CO 152166

Analysis: SW-846 8260D

Preparation: SW-846 5030B

Laboratory ID: B384838-MS1

Sample Lab ID: 24H4216-01

ANALYTE	SPIKE ADDED (µg/L)	SAMPLE CONCENTRATION (µg/L)	MS CONCENTRATION (µg/L)	MS % REC.	QC LIMITS REC.
m+p Xylene	20.0	ND	19.4	97.2	70 - 130
o-Xylene	10.0	ND	8.92	89.2	70 - 130
Xylenes (total)	30.0	ND	28.4	94.5	0 - 200

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

645013-MW-301-20240828

Laboratory: Pace New England

Work Order: 24H4216

Client: NYDEC_EA Engineering, Science & Tech. - NY

Project: North Lawrence Oil Dump - CO 152166

Matrix: Water

Analysis: SW-846 8260D

Batch: B384838

Preparation: SW-846 5030B

% Solids:

Laboratory ID: B384838-MSD1

Initial/Final: 5 mL / 5 mL

Sample Lab ID: 24H4216-01

Column:

ANALYTE	SPIKE ADDED (µg/L)	MSD CONCENTRATION (µg/L)	MSD % REC. #	% RPD	QC LIMITS	
					RPD	REC.
Acetone	100	92.8	89.9	13.6	30	70 - 130
Benzene	10.0	11.0	110	6.78	30	70 - 130
Bromochloromethane	10.0	12.4	124	10.7	30	70 - 130
Bromodichloromethane	10.0	10.4	104	12.4	30	70 - 130
Bromoform	10.0	8.09	80.9	5.20	30	70 - 130
Bromomethane	10.0	10.8	108	4.72	30	70 - 130
2-Butanone (MEK)	100	96.3	96.3	14.8	30	70 - 130
n-Butylbenzene	10.0	7.71	77.1	8.80	30	70 - 130
sec-Butylbenzene	10.0	9.67	96.7	4.76	30	70 - 130
tert-Butylbenzene	10.0	9.69	96.9	6.83	30	70 - 130
Carbon Disulfide	100	116	116	9.68	30	70 - 130
Carbon Tetrachloride	10.0	8.19	81.9	2.89	30	70 - 130
Chlorobenzene	10.0	11.1	111	3.19	30	70 - 130
Chlorodibromomethane	10.0	9.62	96.2	14.4	30	70 - 130
Chloroethane	10.0	10.3	103	7.57	30	70 - 130
Chloroform	10.0	11.6	116	7.58	30	70 - 130
Chloromethane	10.0	17.1	171 *	6.08	30	70 - 130
Cyclohexane	10.0	11.1	111	2.74	30	70 - 130
1,2-Dibromo-3-chloropropane (DBCP)	10.0	8.17	81.7	7.89	30	70 - 130
1,2-Dibromoethane (EDB)	10.0	10.9	109	17.0	30	70 - 130
1,2-Dichlorobenzene	10.0	10.7	107	7.98	30	70 - 130
1,3-Dichlorobenzene	10.0	10.5	105	6.88	30	70 - 130
1,4-Dichlorobenzene	10.0	10.4	104	6.99	30	70 - 130
Dichlorodifluoromethane (Freon 12)	10.0	9.46	94.6	8.83	30	70 - 130
1,1-Dichloroethane	10.0	11.5	115	9.31	30	70 - 130
1,2-Dichloroethane	10.0	10.9	109	6.53	30	70 - 130
1,1-Dichloroethylene	10.0	10.4	104	7.07	30	70 - 130
cis-1,2-Dichloroethylene	10.0	18.3	124	11.9	30	70 - 130
trans-1,2-Dichloroethylene	10.0	10.9	106	9.25	30	70 - 130

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

645013-MW-301-20240828

Laboratory:	Pace New England	Work Order:	24H4216
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	North Lawrence Oil Dump - CO 152166
Matrix:	Water	Analysis:	SW-846 8260D
Batch:	B384838	Preparation:	SW-846 5030B
% Solids:		Laboratory ID:	B384838-MSD1
Initial/Final:	5 mL / 5 mL	Sample Lab ID:	24H4216-01
Column:			

ANALYTE	SPIKE ADDED (µg/L)	MSD CONCENTRATION (µg/L)	MSD % REC. #	%	QC LIMITS		
					RPD	REC.	
1,2-Dichloropropane	10.0	11.1	111	0.269	30	70 - 130	
cis-1,3-Dichloropropene	10.0	8.81	88.1	11.1	30	70 - 130	
trans-1,3-Dichloropropene	10.0	8.38	83.8	13.2	30	70 - 130	
Ethylbenzene	10.0	10.4	104	5.21	30	70 - 130	
2-Hexanone (MBK)	100	62.3	62.3	*	18.0	30	70 - 130
Isopropylbenzene (Cumene)	10.0	9.13	91.3	4.25	30	70 - 130	
p-Isopropyltoluene (p-Cymene)	10.0	9.35	93.5	7.20	30	70 - 130	
Methyl Acetate	10.0	10.4	104	17.0	30	70 - 130	
Methyl tert-Butyl Ether (MTBE)	10.0	9.93	99.3	10.2	30	70 - 130	
Methyl Cyclohexane	10.0	11.2	112	7.25	30	70 - 130	
Methylene Chloride	10.0	10.1	101	7.72	30	70 - 130	
4-Methyl-2-pentanone (MIBK)	100	76.6	76.6	16.3	30	70 - 130	
Naphthalene	10.0	3.08	30.8	*	12.4	30	70 - 130
n-Propylbenzene	10.0	8.77	87.7	4.67	30	70 - 130	
Styrene	10.0	7.92	79.2	2.95	30	70 - 130	
1,1,2,2-Tetrachloroethane	10.0	10.0	100	5.97	30	70 - 130	
Tetrachloroethylene	10.0	12.0	120	15.4	30	70 - 130	
Toluene	10.0	11.3	113	13.0	30	70 - 130	
1,2,3-Trichlorobenzene	10.0	6.09	60.9	*	16.0	30	70 - 130
1,2,4-Trichlorobenzene	10.0	5.33	53.3	*	11.5	30	70 - 130
1,1,1-Trichloroethane	10.0	11.0	110	4.45	30	70 - 130	
1,1,2-Trichloroethane	10.0	11.4	114	16.8	30	70 - 130	
Trichloroethylene	10.0	12.0	120	1.24	30	70 - 130	
Trichlorofluoromethane (Freon 11)	10.0	11.1	111	8.45	30	70 - 130	
1,2,3-Trichloropropane	10.0	10.0	100	6.47	30	70 - 130	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0	11.4	114	8.07	30	70 - 130	
1,2,4-Trimethylbenzene	10.0	9.91	99.1	7.21	30	70 - 130	
1,3,5-Trimethylbenzene	10.0	9.45	94.5	5.10	30	70 - 130	
Vinyl Chloride	10.0	9.54	95.4	6.49	30	70 - 130	

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

645013-MW-301-20240828

Laboratory: Pace New England

Client: NYDEC_EA Engineering, Science & Tech. - NY

Matrix: Water

Batch: B384838

% Solids:

Initial/Final: 5 mL / 5 mL

Column:

Work Order: 24H4216

Project: North Lawrence Oil Dump - CO 152166

Analysis: SW-846 8260D

Preparation: SW-846 5030B

Laboratory ID: B384838-MSD1

Sample Lab ID: 24H4216-01

ANALYTE	SPIKE ADDED (µg/L)	MSD CONCENTRATION (µg/L)	MSD % REC. #	% RPD	QC LIMITS	
					RPD	REC.
m+p Xylene	20.0	20.1	100	3.29	20	70 - 130
o-Xylene	10.0	9.41	94.1	5.35	30	70 - 130
Xylenes (total)	30.0	29.5	98.3	3.94	200	0 - 200

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260D

Laboratory:	Pace New England	Work Order:	24H4216
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	North Lawrence Oil Dump - CO 152166
Matrix:	Water	Preparation:	SW-846 5030B
Batch:	B384838	Laboratory ID:	B384838-BS1
Column:		Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (µg/L)	LCS CONCENTRATION (µg/L)	LCS % REC.	QC LIMITS REC.
Acetone	100	89.2	89.2	70 - 160
Benzene	10.0	11.6	116	70 - 130
Bromochloromethane	10.0	11.5	115	70 - 130
Bromodichloromethane	10.0	9.19	91.9	70 - 130
Bromoform	10.0	7.68	76.8	70 - 130
Bromomethane	10.0	13.1	131	40 - 160
2-Butanone (MEK)	100	95.2	95.2	40 - 160
n-Butylbenzene	10.0	8.66	86.6	70 - 130
sec-Butylbenzene	10.0	9.89	98.9	70 - 130
tert-Butylbenzene	10.0	9.61	96.1	70 - 130
Carbon Disulfide	100	105	105	70 - 130
Carbon Tetrachloride	10.0	5.58	55.8	* 70 - 130
Chlorobenzene	10.0	11.1	111	70 - 130
Chlorodibromomethane	10.0	7.87	78.7	70 - 130
Chloroethane	10.0	9.24	92.4	70 - 130
Chloroform	10.0	10.7	107	70 - 130
Chloromethane	10.0	11.6	116	40 - 160
Cyclohexane	10.0	10.6	106	70 - 130
1,2-Dibromo-3-chloropropane (DBCP)	10.0	9.09	90.9	70 - 130
1,2-Dibromoethane (EDB)	10.0	9.93	99.3	70 - 130
1,2-Dichlorobenzene	10.0	10.9	109	70 - 130
1,3-Dichlorobenzene	10.0	10.4	104	70 - 130
1,4-Dichlorobenzene	10.0	10.3	103	70 - 130
Dichlorodifluoromethane (Freon 12)	10.0	9.59	95.9	40 - 160
1,1-Dichloroethane	10.0	10.5	105	70 - 130
1,2-Dichloroethane	10.0	10.3	103	70 - 130
1,1-Dichloroethylene	10.0	10.2	102	70 - 130
cis-1,2-Dichloroethylene	10.0	9.95	99.5	70 - 130
trans-1,2-Dichloroethylene	10.0	9.58	95.8	70 - 130
1,2-Dichloropropane	10.0	9.91	99.1	70 - 130
cis-1,3-Dichloropropene	10.0	9.03	90.3	70 - 130
trans-1,3-Dichloropropene	10.0	8.22	82.2	70 - 130
Ethylbenzene	10.0	10.6	106	70 - 130
2-Hexanone (MBK)	100	68.1	68.1	* 70 - 160
Isopropylbenzene (Cumene)	10.0	9.56	95.6	70 - 130
p-Isopropyltoluene (p-Cymene)	10.0	9.66	96.6	70 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260D

Laboratory:	Pace New England	Work Order:	24H4216
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	North Lawrence Oil Dump - CO 152166
Matrix:	Water	Preparation:	SW-846 5030B
Batch:	B384838	Laboratory ID:	B384838-BS1
Column:		Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (µg/L)	LCS CONCENTRATION (µg/L)	LCS % REC.	QC LIMITS REC.
Methyl Acetate	10.0	11.7	117	70 - 130
Methyl tert-Butyl Ether (MTBE)	10.0	9.79	97.9	70 - 130
Methyl Cyclohexane	10.0	11.8	118	70 - 130
Methylene Chloride	10.0	9.52	95.2	70 - 130
4-Methyl-2-pentanone (MIBK)	100	75.7	75.7	70 - 160
Naphthalene	10.0	4.39	43.9	40 - 130
n-Propylbenzene	10.0	9.28	92.8	70 - 130
Styrene	10.0	9.07	90.7	70 - 130
1,1,2,2-Tetrachloroethane	10.0	10.2	102	70 - 130
Tetrachloroethylene	10.0	10.4	104	70 - 130
Toluene	10.0	9.93	99.3	70 - 130
1,2,3-Trichlorobenzene	10.0	7.08	70.8	70 - 130
1,2,4-Trichlorobenzene	10.0	6.36	63.6 *	70 - 130
1,1,1-Trichloroethane	10.0	10.3	103	70 - 130
1,1,2-Trichloroethane	10.0	10.1	101	70 - 130
Trichloroethylene	10.0	11.0	110	70 - 130
Trichlorofluoromethane (Freon 11)	10.0	9.94	99.4	70 - 130
1,2,3-Trichloropropane	10.0	11.1	111	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0	10.4	104	70 - 130
1,2,4-Trimethylbenzene	10.0	10.2	102	70 - 130
1,3,5-Trimethylbenzene	10.0	9.67	96.7	70 - 130
Vinyl Chloride	10.0	9.21	92.1	40 - 160
m+p Xylene	20.0	20.7	104	70 - 130
o-Xylene	10.0	9.81	98.1	70 - 130
Xylenes (total)	30.0	30.5	102	0 - 200

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	REC.
Acetone	100	100	100	11.6	25	70 - 160
Benzene	10.0	11.4	114	1.22	25	70 - 130
Bromochloromethane	10.0	11.8	118	2.83	25	70 - 130
Bromodichloromethane	10.0	10.7	107	15.0	25	70 - 130
Bromoform	10.0	8.25	82.5	7.16	25	70 - 130
Bromomethane	10.0	13.9	139	6.15	25	40 - 160

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260D

Laboratory:	Pace New England	Work Order:	24H4216
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	North Lawrence Oil Dump - CO 152166
Matrix:	Water	Preparation:	SW-846 5030B
Batch:	B384838	Laboratory ID:	B384838-BSD1
Column:		Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
2-Butanone (MEK)	100	106	106	10.7	25	40 - 160
n-Butylbenzene	10.0	8.97	89.7	3.52	25	70 - 130
sec-Butylbenzene	10.0	10.0	100	1.60	25	70 - 130
tert-Butylbenzene	10.0	9.93	99.3	3.28	25	70 - 130
Carbon Disulfide	100	112	112	6.78	25	70 - 130
Carbon Tetrachloride	10.0	6.22	62.2	* 10.8	25	70 - 130
Chlorobenzene	10.0	11.4	114	2.93	25	70 - 130
Chlorodibromomethane	10.0	9.12	91.2	14.7	25	70 - 130
Chloroethane	10.0	10.0	100	7.90	25	70 - 130
Chloroform	10.0	11.3	113	5.63	25	70 - 130
Chloromethane	10.0	12.1	121	4.39	25	40 - 160
Cyclohexane	10.0	11.6	116	9.38	25	70 - 130
1,2-Dibromo-3-chloropropane (DBCP)	10.0	9.07	90.7	0.220	25	70 - 130
1,2-Dibromoethane (EDB)	10.0	11.4	114	13.5	25	70 - 130
1,2-Dichlorobenzene	10.0	11.2	112	2.54	25	70 - 130
1,3-Dichlorobenzene	10.0	11.2	112	6.95	25	70 - 130
1,4-Dichlorobenzene	10.0	11.3	113	8.90	25	70 - 130
Dichlorodifluoromethane (Freon 12)	10.0	10.1	101	5.38	25	40 - 160
1,1-Dichloroethane	10.0	11.1	111	5.73	25	70 - 130
1,2-Dichloroethane	10.0	11.5	115	10.8	25	70 - 130
1,1-Dichloroethylene	10.0	10.9	109	6.44	25	70 - 130
cis-1,2-Dichloroethylene	10.0	10.6	106	6.70	25	70 - 130
trans-1,2-Dichloroethylene	10.0	10.4	104	8.30	25	70 - 130
1,2-Dichloropropane	10.0	11.3	113	13.3	25	70 - 130
cis-1,3-Dichloropropene	10.0	10.2	102	12.0	25	70 - 130
trans-1,3-Dichloropropene	10.0	9.49	94.9	14.3	25	70 - 130
Ethylbenzene	10.0	10.9	109	2.98	25	70 - 130
2-Hexanone (MBK)	100	87.1	87.1	24.6	25	70 - 160
Isopropylbenzene (Cumene)	10.0	9.86	98.6	3.09	25	70 - 130
p-Isopropyltoluene (p-Cymene)	10.0	9.86	98.6	2.05	25	70 - 130
Methyl Acetate	10.0	12.8	128	8.75	25	70 - 130
Methyl tert-Butyl Ether (MTBE)	10.0	10.4	104	6.14	25	70 - 130
Methyl Cyclohexane	10.0	12.1	121	2.52	25	70 - 130
Methylene Chloride	10.0	10.0	100	5.22	25	70 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260D

Laboratory:	Pace New England	Work Order:	24H4216
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	North Lawrence Oil Dump - CO 152166
Matrix:	Water	Preparation:	SW-846 5030B
Batch:	B384838	Laboratory ID:	B384838-BSD1
Column:		Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
4-Methyl-2-pentanone (MIBK)	100	92.0	92.0	19.4	25	70 - 160
Naphthalene	10.0	4.65	46.5	5.75	25	40 - 130
n-Propylbenzene	10.0	9.70	97.0	4.43	25	70 - 130
Styrene	10.0	9.73	97.3	7.02	25	70 - 130
1,1,2,2-Tetrachloroethane	10.0	11.2	112	8.77	25	70 - 130
Tetrachloroethylene	10.0	12.2	122	16.0	25	70 - 130
Toluene	10.0	11.4	114	14.2	25	70 - 130
1,2,3-Trichlorobenzene	10.0	7.94	79.4	11.5	25	70 - 130
1,2,4-Trichlorobenzene	10.0	7.03	70.3	10.0	25	70 - 130
1,1,1-Trichloroethane	10.0	11.0	110	6.68	25	70 - 130
1,1,2-Trichloroethane	10.0	11.7	117	14.5	25	70 - 130
Trichloroethylene	10.0	11.6	116	5.57	25	70 - 130
Trichlorofluoromethane (Freon 11)	10.0	10.6	106	6.52	25	70 - 130
1,2,3-Trichloropropane	10.0	12.2	122	10.0	25	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0	11.5	115	10.4	25	70 - 130
1,2,4-Trimethylbenzene	10.0	10.5	105	2.90	25	70 - 130
1,3,5-Trimethylbenzene	10.0	10.3	103	6.41	25	70 - 130
Vinyl Chloride	10.0	9.71	97.1	5.29	25	40 - 160
m+p Xylene	20.0	21.6	108	3.97	25	70 - 130
o-Xylene	10.0	9.99	99.9	1.82	25	70 - 130
Xylenes (total)	30.0	31.6	105	3.29	200	0 - 200

4 - FORM IV
METHOD BLANK SUMMARY

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SW-846 8260D

Laboratory:	Pace New England	Work Order:	24H4216
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	North Lawrence Oil Dump - CO 152166
Blank ID:	B384838-BLK1	Batch:	B384838
		Prepared:	09/03/2024 13:25

Client Sample ID	Laboratory Sample ID	Lab File ID	Time Analyzed
LCS	B384838-BS1	C24V24804.D	09:18
LCS Dup	B384838-BSD1	C24V24805.D	09:45
645013-TB	24H4216-07	C24V24809.D	11:32
645013-MW-301-20240828	24H4216-01	C24V24811.D	12:25
645013-MW-302-20240828	24H4216-02	C24V24812.D	12:52
645013-MW-303-20240828	24H4216-03	C24V24813.D	13:19
645013-MW-102A-20240828	24H4216-04	C24V24814.D	13:45
645013-MW-102B-20240828	24H4216-05	C24V24815.D	14:12
645013-FD-01-20240828	24H4216-06	C24V24816.D	14:39
Matrix Spike	B384838-MS1	C24V24825.D	18:39
Matrix Spike Dup	B384838-MSD1	C24V24826.D	19:05

5 - FORM V

INSTRUMENT PERFORMANCE CHECK

SW-846 8260D

Laboratory:	Pace New England	Work Order:	24H4216
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	North Lawrence Oil Dump - CO 152166
Lab File ID:	C22V21909.D	Injection Date:	08/08/22
Instrument ID:	GCMSVOA3	Injection Time:	10:18
Sequence:	S075427	Lab Sample ID:	S075427-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	PASS/FAIL
50	15 - 40% of 95	20.3	PASS
75	30 - 60% of 95	49.3	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.45	PASS
173	Less than 2% of 174	0.647	PASS
174	50 - 200% of 95	89.4	PASS
175	5 - 9% of 174	7.49	PASS
176	95 - 101% of 174	97.9	PASS
177	5 - 9% of 176	6.76	PASS

Client ID	Sample ID	File ID	Date Analyzed	Time Analyzed
0.4 PPB	S075427-CAL1	C22V21910.D	08/08/2022	10:45:00
0.5 PPB	S075427-CAL2	C22V21911.D	08/08/2022	11:09:00
1.0 PPB	S075427-CAL3	C22V21912.D	08/08/2022	11:33:00
2.0 PPB	S075427-CAL4	C22V21913.D	08/08/2022	11:58:00
5.0 PPB	S075427-CAL5	C22V21914.D	08/08/2022	12:22:00
10 PPB	S075427-CAL6	C22V21915.D	08/08/2022	12:46:00
20 PPB	S075427-CAL7	C22V21916.D	08/08/2022	13:10:00
50 PPB	S075427-CAL8	C22V21917.D	08/08/2022	13:34:00
50 PPB	S075427-CAL8	C22V21920.D	08/08/2022	13:34:00
100 PPB	S075427-CAL9	C22V21918.D	08/08/2022	13:59:00
100 PPB	S075427-CAL9	C22V21921.D	08/08/2022	13:59:00
200 PPB	S075427-CALA	C22V21919.D	08/08/2022	14:23:00
200 PPB	S075427-CALA	C22V21922.D	08/08/2022	14:23:00
Initial Cal Check	S075427-ICV1	C22V21926.D	08/08/2022	17:12:00

CALIBRATION DATA

6 - FORM VI

INITIAL CALIBRATION DATA SHEET

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SW-846 8260D

Client: NYDEC EA Engineering, Science & Tech. - NY

SDG: 24H4216

Project: North Lawrence Oil Dump - CO 152166

Calibration: 2200537

Instrument: GCMSVOA3

Calibration Date: 8/8/2022 10:18:58AM

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
		RF		RF		RF		RF		RF		RF
Acetone	4	0.1963823	5	0.1847193	10	0.1890443	20	0.1758233	50	0.1841132	100	0.1802103
Acrolein	4	7.910751E-02	5	7.680109E-02	10	0.0846155	20	8.462922E-02	50	0.091402	100	9.448151E-02
Acrylonitrile	0.4	0.1806301	0.5	0.1732519	1	0.2229185	2	0.2151418	5	0.2328436	10	0.2509535
tert-Amyl Methyl Ether (TAME)	0.4	1.057976	0.5	1.066165	1	1.234782	2	1.300498	5	1.339449	10	1.348555
Benzene	0.4	1.58061	0.5	1.484573	1	1.628864	2	1.645603	5	1.640637	10	1.704337
Bromobenzene	0.4	0.872733	0.5	0.9135854	1	1.030576	2	1.024715	5	0.9857867	10	1.04333
Bromochloromethane	0.4	0.294246	0.5	0.3241886	1	0.3752202	2	0.4061261	5	0.4255206	10	0.4268708
Bromodichloromethane	0.4	0.2928342	0.5	0.3004643	1	0.3838227	2	0.3855285	5	0.4027596	10	0.4159011
Bromoform			0.5	0.319884	1	0.4565927	2	0.4726873	5	0.5195616	10	0.5302586
Bromomethane							2	0.3582036	5	0.305726	10	0.2847553
2-Butanone (MEK)	4	0.1996559	5	0.1960318	10	0.2394114	20	0.2497464	50	0.2778149	100	0.2809742
tert-Butyl Alcohol (TBA)	4	6.974863E-02	5	6.059166E-02	10	6.774852E-02	20	7.291917E-02	50	6.977643E-02	100	7.362063E-02
n-Butylbenzene			0.5	1.074107	1	1.229302	2	1.442681	5	1.505298	10	1.602753
sec-Butylbenzene	0.4	1.800851	0.5	1.692398	1	2.174478	2	2.156456	5	2.111596	10	2.262527
tert-Butylbenzene	0.4	1.454685	0.5	1.320711	1	1.606914	2	1.597722	5	1.600215	10	1.65297
tert-Butyl Ethyl Ether (TBEE)	0.4	1.136545	0.5	1.175261	1	1.317558	2	1.357989	5	1.392616	10	1.454633
Carbon Disulfide	4	1.070224	5	1.047662	10	1.207455	20	1.278152	50	1.302909	100	1.339261
Carbon Tetrachloride	0.4	0.4425245	0.5	0.4100397	1	0.5109978	2	0.5149912	5	0.5297085	10	0.5463335
Chlorobenzene	0.4	1.363348	0.5	1.299771	1	1.479386	2	1.518184	5	1.568401	10	1.648763
Chlorodibromomethane	0.4	0.302932	0.5	0.2615113	1	0.3077744	2	0.3154275	5	0.3335198	10	0.3456485
Chloroethane	0.4	0.3431587	0.5	0.3434044	1	0.382391	2	0.3836943	5	0.3700846	10	0.3850966
2-Chloroethyl Vinyl Ether					10	0.1246265	20	0.129844	50	0.152713	100	0.1576571
Chloroform	0.4	0.6859322	0.5	0.6533362	1	0.7002447	2	0.7427606	5	0.7792626	10	0.7956987
Chloromethane	0.4	0.8388323	0.5	0.8169801	1	0.8360224	2	0.8037815	5	0.7304494	10	0.641401
2-Chlorotoluene	0.4	1.465493	0.5	1.538715	1	1.543378	2	1.617333	5	1.740921	10	1.845726
4-Chlorotoluene	0.4	1.47449	0.5	1.432374	1	1.93533	2	1.953204	5	1.913858	10	2.04178
Cyclohexane							2	0.8899794	5	0.7200859	10	0.6757271
1,2-Dibromo-3-chloropropane (DBCP)					1	0.1326683	2	0.1401352	5	0.1645137	10	0.1636918
1,2-Dibromoethane (EDB)	0.4	0.2089454	0.5	0.1998182	1	0.2743848	2	0.2940507	5	0.3106677	10	0.3204987
Dibromomethane	0.4	0.1558676	0.5	0.1642342	1	0.1849596	2	0.1879665	5	0.2023329	10	0.2146711

6 - FORM VI

INITIAL CALIBRATION DATA SHEET

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SW-846 8260D

Client: NYDEC EA Engineering, Science & Tech. - NY

SDG: 24H4216

Project: North Lawrence Oil Dump - CO 152166

Calibration: 2200537

Instrument: GCMSVOA3

Calibration Date: 8/8/2022 10:18:58AM

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
		RF		RF		RF		RF		RF		RF
1,2-Dichlorobenzene	0.4	0.9617611	0.5	0.9632691	1	1.077844	2	1.202837	5	1.271961	10	1.286543
1,3-Dichlorobenzene	0.4	0.9387953	0.5	0.9588177	1	1.138336	2	1.184092	5	1.187706	10	1.268794
1,4-Dichlorobenzene	0.4	1.059226	0.5	1.090132	1	1.32233	2	1.240101	5	1.298012	10	1.265077
trans-1,4-Dichloro-2-butene					1	0.1831127	2	0.2335835	5	0.2120949	10	0.225333
Dichlorodifluoromethane (Freon 11)	0.4	0.380132	0.5	0.3347263	1	0.448643	2	0.4436171	5	0.4287707	10	0.4404408
1,1-Dichloroethane	0.4	0.6797699	0.5	0.7301992	1	0.7816178	2	0.7884871	5	0.7982727	10	0.8004482
1,2-Dichloroethane	0.4	0.3518671	0.5	0.3512084	1	0.405942	2	0.4227912	5	0.445066	10	0.4504847
1,1-Dichloroethylene	0.4	0.577323	0.5	0.5752334	1	0.6424106	2	0.6744455	5	0.6513734	10	0.6674
cis-1,2-Dichloroethylene	0.4	0.591188	0.5	0.5606666	1	0.6572199	2	0.6771906	5	0.6881979	10	0.7149877
trans-1,2-Dichloroethylene	0.4	0.5164711	0.5	0.585771	1	0.6332133	2	0.6004831	5	0.594251	10	0.6561584
Dichlorofluoromethane (Freon 22)	0.4	0.8053252	0.5	0.7162523	1	0.8344635	2	0.8550767	5	0.8552112	10	0.8733873
1,2-Dichloropropane	0.4	0.2783349	0.5	0.2434034	1	0.2769127	2	0.3126555	5	0.3082023	10	0.3181089
1,3-Dichloropropane	0.4	0.3598935	0.5	0.3987942	1	0.4565004	2	0.4981697	5	0.5055421	10	0.5286579
2,2-Dichloropropane	0.4	0.5056872	0.5	0.531533	1	0.6131039	2	0.6202483	5	0.6075581	10	0.6102824
1,1-Dichloropropene	0.4	0.48566	0.5	0.3973325	1	0.5463842	2	0.5438545	5	0.5573345	10	0.5687858
cis-1,3-Dichloropropene	0.4	0.3875976	0.5	0.3703691	1	0.4547098	2	0.4508316	5	0.464396	10	0.4893783
trans-1,3-Dichloropropene	0.4	0.2917986	0.5	0.3170982	1	0.3645473	2	0.3872877	5	0.4127665	10	0.4289665
Diethyl Ether	0.4	0.299638	0.5	0.2894763	1	0.3750643	2	0.3731843	5	0.3919462	10	0.3979727
Difluorochloromethane (Freon 21)	0.4	0.5488228	0.5	0.5005398	1	0.5307955	2	0.5661295	5	0.5688019	10	0.5842988
Diisopropyl Ether (DIPE)	0.4	1.300999	0.5	1.343554	1	1.493866	2	1.556817	5	1.573028	10	1.608036
1,4-Dioxane							20	3.848888E-03	50	4.479251E-03	100	4.414266E-03
Ethanol							20	1.444736E-02	50	9.302706E-03	100	9.869131E-03
Ethyl Acetate	0.4	0.6655198	0.5	0.6570553	1	0.7270573	2	0.6853477	5	0.5977464	10	0.6206604
Ethylbenzene	0.4	2.113295	0.5	1.970968	1	2.368142	2	2.457065	5	2.540927	10	2.703932
Hexachlorobutadiene			0.5	0.1744924	1	0.2261548	2	0.2957406	5	0.2959699	10	0.3045425
2-Hexanone (MBK)	4	0.2261115	5	0.213715	10	0.2509699	20	0.2522941	50	0.2827812	100	0.2978231
Iodomethane					10	0.3815024	20	0.4321345	50	0.4931354	100	0.5262144
Isopropylbenzene (Cumene)	0.4	1.987863	0.5	1.861613	1	2.188056	2	2.371013	5	2.374954	10	2.517328
p-Isopropyltoluene (p-Cymene)	0.4	1.558311	0.5	1.511674	1	1.786784	2	1.817128	5	1.863428	10	1.88396
Methyl Acetate	0.4	0.876961	0.5	0.6833995	1	0.7487256	2	0.7121718	5	0.7182462	10	0.6812939

6 - FORM VI

INITIAL CALIBRATION DATA SHEET

123

SW-846 8260D

Client: NYDEC EA Engineering, Science & Tech. - NY

SDG: 24H4216

Project: North Lawrence Oil Dump - CO 152166

Calibration: 2200537

Instrument: GCMSVOA3

Calibration Date: 8/8/2022 10:18:58AM

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
		RF		RF		RF		RF		RF		RF
Methyl tert-Butyl Ether (MTBE)	0.4	1.163119	0.5	1.27041	1	1.413272	2	1.390696	5	1.405064	10	1.487417
Methyl Cyclohexane	0.4	0.2726388	0.5	0.2316123	1	0.3277871	2	0.3420286	5	0.3272422	10	0.3352233
Methylene Chloride	0.4	0.5715459	0.5	0.5867008	1	0.6589347	2	0.641582	5	0.6709968	10	0.6763439
4-Methyl-2-pentanone (MIBK)	4	0.3450835	5	0.3391014	10	0.3708144	20	0.377916	50	0.4085731	100	0.4246754
Naphthalene							2	1.428566	5	1.653864	10	1.86344
n-Propylbenzene	0.4	2.060899	0.5	2.074726	1	2.500883	2	2.544848	5	2.641219	10	2.795744
Styrene	0.4	1.231035	0.5	1.319575	1	1.473765	2	1.548925	5	1.662313	10	1.808054
1,1,1,2-Tetrachloroethane	0.4	0.4673276	0.5	0.4662644	1	0.5670657	2	0.5497547	5	0.5828648	10	0.6039109
1,1,2,2-Tetrachloroethane	0.4	0.7187213	0.5	0.6845432	1	0.8210886	2	0.9206956	5	0.9432509	10	0.9653231
Tetrachloroethylene	0.4	0.1840894	0.5	0.2185578	1	0.2619558	2	0.2874938	5	0.2953985	10	0.2979786
Tetrahydrofuran					1	0.1585372	2	0.1684741	5	0.1808417	10	0.1969971
Toluene	0.4	1.05353	0.5	1.052572	1	1.138091	2	1.194808	5	1.170137	10	1.211481
1,2,3-Trichlorobenzene					1	0.4834718	2	0.5219218	5	0.6352284	10	0.6413806
1,2,4-Trichlorobenzene					1	0.4642246	2	0.5458611	5	0.6231059	10	0.6705392
1,3,5-Trichlorobenzene			0.5	0.4389017	1	0.6745692	2	0.6778659	5	0.7523267	10	0.7617107
1,1,1-Trichloroethane	0.4	0.5103089	0.5	0.5507487	1	0.6065566	2	0.6265229	5	0.6505149	10	0.6682944
1,1,2-Trichloroethane	0.4	0.2252571	0.5	0.2038188	1	0.2627985	2	0.2814166	5	0.2904676	10	0.2906006
Trichloroethylene	0.4	0.2353548	0.5	0.2111883	1	0.2678543	2	0.2828559	5	0.2696666	10	0.2903711
Trichlorofluoromethane (Freon 11)	0.4	0.5842555	0.5	0.4977504	1	0.6218335	2	0.6572686	5	0.6453944	10	0.673414
1,2,3-Trichloropropane	0.4	0.6102251	0.5	0.7999254	1	0.8446533	2	0.6889522	5	0.7218566	10	0.7028892
1,1,2-Trichloro-1,2,2-trifluoroethane	0.4	0.3396924	0.5	0.2823478	1	0.3926795	2	0.3996946	5	0.3885121	10	0.386176
1,2,4-Trimethylbenzene	0.4	1.721311	0.5	1.658568	1	1.947177	2	1.914918	5	1.948587	10	2.086244
1,3,5-Trimethylbenzene	0.4	1.710536	0.5	1.525369	1	1.804752	2	1.824289	5	1.914609	10	2.046769
Vinyl Acetate	4	1.056397	5	1.030151	10	1.235202	20	1.296953	50	1.366532	100	1.417923
Vinyl Chloride	0.4	0.4791126	0.5	0.4280158	1	0.5000857	2	0.5143637	5	0.5383857	10	0.5375438
m+p Xylene	0.8	1.593042	1	1.612982	2	1.824641	4	1.969007	10	1.938837	20	2.066525
o-Xylene	0.4	1.643321	0.5	1.622669	1	1.956301	2	2.041312	5	2.094468	10	2.2272
1,2-Dichloroethane-d4	25	0.5744299	25	0.5666049	25	0.5687509	25	0.5742991	25	0.5695746	25	0.5703371
Toluene-d8	25	1.19338	25	1.185863	25	1.168675	25	1.181205	25	1.195803	25	1.194198
4-Bromofluorobenzene	25	0.8774963	25	0.8873316	25	0.8698178	25	0.8772521	25	0.8944266	25	0.8769361

6 - FORM VI

INITIAL CALIBRATION DATA SHEET (Continued)

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SW-846 8260D

Client: NYDEC EA Engineering, Science & Tech. - NY

SDG: 24H4216

Project: North Lawrence Oil Dump - CO 152166

Calibration: 2200537

Instrument: GCMSVOA3

Calibration Date: 8/8/2022 10:18:58AM

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
		RF		RF		RF		RF		RF		RF
Acetone	200	0.1810109	500	0.1787821	1000	0.1758926	2000	0.1749453				
Acrolein	200	9.797075E-02	500	0.0957349	1000	0.1010301	2000	0.1089096				
Acrylonitrile	20	0.2325875	50	0.2469831	100	0.2505761	200	0.2535139				
tert-Amyl Methyl Ether (TAME)	20	1.418358	50	1.442062	100	1.444687	200	1.471992				
Benzene	20	1.751483	50	1.746032	100	1.740147	200	1.754166				
Bromobenzene	20	1.101743	50	1.128908	100	1.15561	200	1.193408				
Bromochloromethane	20	0.4355634	50	0.4115939	100	0.3655887	200	0.3280994				
Bromodichloromethane	20	0.4275677	50	0.4397246	100	0.4377103	200	0.4539452				
Bromoform	20	0.5651722	50	0.5913464	100	0.6165399	200	0.6393994				
Bromomethane	20	0.2396955	50	0.3519376	100	0.3065038	200	0.3088966				
2-Butanone (MEK)	200	0.2894437	500	0.2990833	1000	0.2974443	2000	0.304489				
tert-Butyl Alcohol (TBA)	200	7.492953E-02	500	7.608853E-02	1000	7.627423E-02	2000	7.663326E-02				
n-Butylbenzene	20	1.717598	50	1.778443	100	1.783658	200	1.813523				
sec-Butylbenzene	20	2.315684	50	2.328897	100	2.286265	200	2.304764				
tert-Butylbenzene	20	1.725328	50	1.717742	100	1.692573	200	1.697572				
tert-Butyl Ethyl Ether (TBEE)	20	1.478033	50	1.50443	100	1.500669	200	1.515914				
Carbon Disulfide	200	1.386367	500	1.372749	1000	1.357673						
Carbon Tetrachloride	20	0.5693897	50	0.5835041	100	0.581051	200	0.59375				
Chlorobenzene	20	1.68339	50	1.731779	100	1.727886	200	1.742896				
Chlorodibromomethane	20	0.3583264	50	0.3697259	100	0.3748433	200	0.3941981				
Chloroethane	20	0.3662299	50	0.3575274	100	0.3402515	200	0.3293663				
2-Chloroethyl Vinyl Ether	200	0.1732422	500	0.18249	1000	0.1856442	2000	0.1985999				
Chloroform	20	0.8058299	50	0.8122728	100	0.803669	200	0.8123524				
Chloromethane	20	0.6138682	50	0.5835993	100	0.5945298	200	0.6359343				
2-Chlorotoluene	20	1.878196	50	1.932696	100	1.922132	200	1.97908				
4-Chlorotoluene	20	2.170431	50	2.236237	100	2.295302	200	2.398622				
Cyclohexane	20	0.6877821	50	0.6667298	100	0.6580311	200	0.657749				
1,2-Dibromo-3-chloropropane (DBCP)	20	0.1707952	50	0.1784092	100	0.184302	200	0.184928				
1,2-Dibromoethane (EDB)	20	0.3368415	50	0.3418306	100	0.3454023	200	0.3605203				
Dibromomethane	20	0.217448	50	0.2225062	100	0.2197977	200	0.2273191				

6 - FORM VI

INITIAL CALIBRATION DATA SHEET (Continued)

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SW-846 8260D

Client: NYDEC EA Engineering, Science & Tech. - NY

SDG: 24H4216

Project: North Lawrence Oil Dump - CO 152166

Calibration: 2200537

Instrument: GCMSVOA3

Calibration Date: 8/8/2022 10:18:58AM

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
		RF		RF		RF		RF		RF		RF
1,2-Dichlorobenzene	20	1.327007	50	1.341933	100	1.343828	200	1.359352				
1,3-Dichlorobenzene	20	1.294069	50	1.321151	100	1.315974	200	1.323238				
1,4-Dichlorobenzene	20	1.339288	50	1.352862	100	1.354521	200	1.386405				
trans-1,4-Dichloro-2-butene	20	0.2389417	50	0.2672585	100	0.2750189	200	0.2825371				
Dichlorodifluoromethane (Freon	20	0.4726812	50	0.4720054	100	0.4620744	200	0.4580031				
1,1-Dichloroethane	20	0.8245803	50	0.8331632	100	0.8174644	200	0.8252576				
1,2-Dichloroethane	20	0.4587872	50	0.4661477	100	0.4578085	200	0.4661431				
1,1-Dichloroethylene	20	0.6933889	50	0.6880424	100	0.6675056	200	0.6660487				
cis-1,2-Dichloroethylene	20	0.7347194	50	0.7454895	100	0.7434478	200	0.7512378				
trans-1,2-Dichloroethylene	20	0.629731	50	0.6609526	100	0.6481576	200	0.6536793				
Dichlorofluoromethane (Freon 2	20	0.8904211	50	0.8724643	100	0.8531753	200	0.8473825				
1,2-Dichloropropane	20	0.3192734	50	0.3346675	100	0.326992	200	0.3447291				
1,3-Dichloropropane	20	0.5428413	50	0.5581388	100	0.5542633	200	0.5721622				
2,2-Dichloropropane	20	0.619092	50	0.6725158	100	0.6531247	200	0.6551492				
1,1-Dichloropropene	20	0.5914566	50	0.590646	100	0.592957	200	0.5993243				
cis-1,3-Dichloropropene	20	0.5066113	50	0.5329659	100	0.5279705	200	0.5497739				
trans-1,3-Dichloropropene	20	0.4476515	50	0.4661945	100	0.469724	200	0.494503				
Diethyl Ether	20	0.4044277	50	0.3999504	100	0.3928471	200	0.3891104				
Difluorochloromethane (Freon 2	20	0.6141899	50	0.6086493	100	0.5969917	200	0.6016047				
Diisopropyl Ether (DIPE)	20	1.662618	50	1.681104	100	1.67452	200	1.690981				
1,4-Dioxane	200	5.007413E-03	500	4.992229E-03	1000	4.966866E-03	2000	5.412238E-03				
Ethanol	200	1.028131E-02	500	9.800591E-03	1000	9.414962E-03	2000	9.453498E-03				
Ethyl Acetate	20	0.6125814	50	0.6419027	100	0.6577116	200	0.6405164				
Ethylbenzene	20	2.76132	50	2.853386	100	2.849683	200	2.87192				
Hexachlorobutadiene	20	0.3142774	50	0.3087043	100	0.3190778	200	0.3286969				
2-Hexanone (MBK)	200	0.3154004	500	0.3272563	1000	0.3316082	2000	0.3455153				
Iodomethane	200	0.577763	500	0.6189346	1000	0.6455201	2000	0.660844				
Isopropylbenzene (Cumene)	20	2.584254	50	2.678198	100	2.662854	200	2.726081				
p-Isopropyltoluene (p-Cymene)	20	1.974552	50	2.011394	100	1.99889	200	2.015096				
Methyl Acetate	20	0.6950739	50	0.669153	100	0.6544937	200	0.6491057				

6 - FORM VI

INITIAL CALIBRATION DATA SHEET (Continued)

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SW-846 8260D

Client: NYDEC EA Engineering, Science & Tech. - NY

SDG: 24H4216

Project: North Lawrence Oil Dump - CO 152166

Calibration: 2200537

Instrument: GCMSVOA3

Calibration Date: 8/8/2022 10:18:58AM

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
		RF		RF		RF		RF		RF		RF
Methyl tert-Butyl Ether (MTBE)	20	1.461741	50	1.535596	100	1.49686	200	1.5039				
Methyl Cyclohexane	20	0.3625505	50	0.3712061	100	0.3652758	200	0.372607				
Methylene Chloride	20	0.6834239	50	0.6604383	100	0.6456928	200	0.6321265				
4-Methyl-2-pentanone (MIBK)	200	0.4458509	500	0.4594866	1000	0.4598359	2000	0.4807751				
Naphthalene	20	2.061553	50	2.366484	100	2.436525	200	2.44123				
n-Propylbenzene	20	2.923039	50	3.043173	100	3.046953	200	3.150196				
Styrene	20	1.868234	50	1.940366	100	1.951764	200	2.027108				
1,1,1,2-Tetrachloroethane	20	0.6332262	50	0.6503205	100	0.6525668	200	0.6707237				
1,1,2,2-Tetrachloroethane	20	1.001356	50	1.035623	100	1.036847	200	1.049987				
Tetrachloroethylene	20	0.3061689	50	0.3159858	100	0.3162456	200	0.3242048				
Tetrahydrofuran	20	0.1911038	50	0.1999544	100	0.2000376	200	0.2048099				
Toluene	20	1.263838	50	1.288627	100	1.271498	200	1.306984				
1,2,3-Trichlorobenzene	20	0.6948166	50	0.7725901	100	0.781866	200	0.7794507				
1,2,4-Trichlorobenzene	20	0.718192	50	0.7853718	100	0.8043983	200	0.82126				
1,3,5-Trichlorobenzene	20	0.8118502	50	0.8361906	100	0.8513403	200	0.8670792				
1,1,1-Trichloroethane	20	0.6745466	50	0.6779332	100	0.6740426	200	0.6826553				
1,1,2-Trichloroethane	20	0.3014292	50	0.3098672	100	0.3098774	200	0.3215206				
Trichloroethylene	20	0.2970176	50	0.3055363	100	0.2997401	200	0.3087742				
Trichlorofluoromethane (Freon 11)	20	0.6979003	50	0.6873674	100	0.6691811	200	0.6570662				
1,2,3-Trichloropropane	20	0.7440779	50	0.7903051	100	0.7958581	200	0.828061				
1,1,2-Trichloro-1,2,2-trifluoroethane	20	0.4042439	50	0.4001972	100	0.3956299	200	0.386297				
1,2,4-Trimethylbenzene	20	2.090814	50	2.143732	100	2.114989	200	2.121372				
1,3,5-Trimethylbenzene	20	2.100422	50	2.19535	100	2.200627	200	2.313521				
Vinyl Acetate	200	1.457975	500	1.484021	1000	1.474087	2000	1.306462				
Vinyl Chloride	20	0.567628	50	0.5608506	100	0.5497029	200	0.5458885				
m+p Xylene	40	2.133801	100	2.248885	200	2.229151	400	2.285227				
o-Xylene	20	2.282851	50	2.34778	100	2.339416	200	2.391261				
1,2-Dichloroethane-d4	25	0.5610286	25	0.5524272	25	0.5494297	25	0.5426527				
Toluene-d8	25	1.198554	25	1.19135	25	1.179521	25	1.192773				
4-Bromofluorobenzene	25	0.8912293	25	0.8943519	25	0.9015015	25	0.9241038				

6 - FORM VI INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8260D

Laboratory:	Pace New England	Work Order:	24H4216
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	North Lawrence Oil Dump - CO 152166
Calibration:	2200537	Instrument:	GCMSVOA3
		Calibration Date:	8/8/2022 10:18:58AM

COMPOUND	Mean RF	RF RSD	Linear r ²	Quad COD	LIMIT	Q
Acetone	0.1820924	3.7			20	
Acrolein	9.146822E-02	11.1			20	
Acrylonitrile	0.22594	12.8			20	
tert-Amyl Methyl Ether (TAME)	1.312452	11.5			20	
Benzene	1.667645	5.3			20	
Bromobenzene	1.045039	9.9			20	
Bromochloromethane	0.3793018	13.2			20	
Bromodichloromethane	0.3940258	14.3			20	
Bromoform	0.5234936	18.7			20	
Bromomethane	0.3079598	13.0			20	
2-Butanone (MEK)	0.2634095	15.3			20	
tert-Butyl Alcohol (TBA)	7.183306E-02	7.0			20	
n-Butylbenzene	1.549707	16.9			20	
sec-Butylbenzene	2.143392	10.4			20	
tert-Butylbenzene	1.606643	8.0			20	
tert-Butyl Ethyl Ether (TBEE)	1.383365	9.9			20	
Carbon Disulfide	1.262495	10.1			20	
Carbon Tetrachloride	0.528229	11.6			20	
Chlorobenzene	1.57638	10.1			20	
Chlorodibromomethane	0.3363907	11.9			20	
Chloroethane	0.3601205	5.7			20	
2-Chloroethyl Vinyl Ether	0.1631021	16.3			20	
Chloroform	0.7591359	7.8			20	
Chloromethane	0.7095398	15.0			20	
2-Chlorotoluene	1.746367	10.9			20	
4-Chlorotoluene	1.985163	16.3			20	
Cyclohexane	0.7080121	11.7			20	
1,2-Dibromo-3-chloropropane (DBCP)	0.1649304	11.8			20	
1,2-Dibromoethane (EDB)	0.299296	18.8			20	
Dibromomethane	0.1997103	12.7			20	
1,2-Dichlorobenzene	1.213634	12.9			20	

6 - FORM VI INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8260D

Laboratory:	Pace New England	Work Order:	24H4216
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	North Lawrence Oil Dump - CO 152166
Calibration:	2200537	Instrument:	GCMSVOA3
		Calibration Date:	8/8/2022 10:18:58AM

COMPOUND	Mean RF	RF RSD	Linear r ²	Quad COD	LIMIT	Q
1,3-Dichlorobenzene	1.193097	12.1			20	
1,4-Dichlorobenzene	1.270795	8.8			20	
trans-1,4-Dichloro-2-butene	0.239735	14.1			20	
Dichlorodifluoromethane (Freon 12)	0.4341094	10.1			20	
1,1-Dichloroethane	0.787926	6.1			20	
1,2-Dichloroethane	0.4276246	10.4			20	
1,1-Dichloroethylene	0.6503172	6.4			20	
cis-1,2-Dichloroethylene	0.6864345	9.7			20	
trans-1,2-Dichloroethylene	0.6178868	7.3			20	
Dichlorofluoromethane (Freon 21)	0.8403159	5.9			20	
1,2-Dichloropropane	0.306328	10.1			20	
1,3-Dichloropropane	0.4974963	14.4			20	
2,2-Dichloropropane	0.6088295	8.7			20	
1,1-Dichloropropene	0.5473735	11.5			20	
cis-1,3-Dichloropropene	0.4734604	12.7			20	
trans-1,3-Dichloropropene	0.4080538	16.5			20	
Diethyl Ether	0.3713617	11.2			20	
Difluorochloromethane (Freon 22)	0.5720824	6.4			20	
Diisopropyl Ether (DIPE)	1.558552	9.0			20	
1,4-Dioxane	4.731593E-03	10.9			20	
Ethanol	1.036708E-02	17.7			20	
Ethyl Acetate	0.6506099	5.8			20	
Ethylbenzene	2.549064	12.6			20	
Hexachlorobutadiene	0.2852952	17.9			20	
2-Hexanone (MBK)	0.2843475	16.4			20	
Iodomethane	0.5420061	18.8			20	
Isopropylbenzene (Cumene)	2.395221	12.5			20	
p-Isopropyltoluene (p-Cymene)	1.842122	9.9			20	
Methyl Acetate	0.7088624	9.4			20	
Methyl tert-Butyl Ether (MTBE)	1.412808	8.2			20	
Methyl Cyclohexane	0.3308172	13.9			20	

6 - FORM VI

INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8260D

Laboratory:	Pace New England	Work Order:	24H4216
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	North Lawrence Oil Dump - CO 152166
Calibration:	2200537	Instrument:	GCMSVOA3
		Calibration Date:	8/8/2022 10:18:58AM

COMPOUND	Mean RF	RF RSD	Linear r ²	Quad COD	LIMIT	Q
Methylene Chloride	0.6427786	5.8			20	
4-Methyl-2-pentanone (MIBK)	0.4112112	12.4			20	
Naphthalene	2.035952	19.8			20	
n-Propylbenzene	2.678168	14.5			20	
Styrene	1.683114	16.6			20	
1,1,1,2-Tetrachloroethane	0.5844025	12.5			20	
1,1,2,2-Tetrachloroethane	0.9177436	14.5			20	
Tetrachloroethylene	0.2808079	16.4			20	
Tetrahydrofuran	0.1875945	8.9			20	
Toluene	1.195157	7.7			20	
1,2,3-Trichlorobenzene	0.6638408	17.5			20	
1,2,4-Trichlorobenzene	0.6791191	18.9			20	
1,3,5-Trichlorobenzene	0.7413149	18.0			20	
1,1,1-Trichloroethane	0.6322124	9.4			20	
1,1,2-Trichloroethane	0.2797054	13.7			20	
Trichloroethylene	0.2768359	11.5			20	
Trichlorofluoromethane (Freon 11)	0.6391431	9.3			20	
1,2,3-Trichloropropane	0.7526804	9.7			20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1	0.377547	10.1			20	
1,2,4-Trimethylbenzene	1.974771	8.7			20	
1,3,5-Trimethylbenzene	1.963624	12.7			20	
Vinyl Acetate	1.31257	12.5			20	
Vinyl Chloride	0.5221577	8.2			20	
m+p Xylene	1.99021	12.6			20	
o-Xylene	2.094658	13.4			20	
1,2-Dichloroethane-d4	0.5629535	2.0			20	
Toluene-d8	1.188132	0.8			20	
4-Bromofluorobenzene	0.8894447	1.8			20	

INITIAL CALIBRATION STANDARDS

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SW-846 8260D

Laboratory:	Pace New England	Work Order:	24H4216
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	North Lawrence Oil Dump - CO 152166
Sequence:	S075427	Instrument:	GCMSVOA3
Calibration:	2200537		

Standard ID	Description	Lab Sample ID	Lab File ID	Analysis Date/Time
2007196	8260 STD 10PPB CLP	S075427-TUN1	C22V21909.D	08/08/22 10:18
2006160	0.4ppb 8260 Calibration Standard	S075427-CAL1	C22V21910.D	08/08/22 10:45
2006161	0.5ppb 8260 Calibration Standard	S075427-CAL2	C22V21911.D	08/08/22 11:09
2006162	1ppb 8260 Calibration Standard	S075427-CAL3	C22V21912.D	08/08/22 11:33
2006163	2ppb 8260 Calibration Standard	S075427-CAL4	C22V21913.D	08/08/22 11:58
2006164	5ppb 8260 Calibration Standard	S075427-CAL5	C22V21914.D	08/08/22 12:22
2006165	10ppb 8260 Calibration Standard	S075427-CAL6	C22V21915.D	08/08/22 12:46
2006166	20ppb 8260 Calibration Standard	S075427-CAL7	C22V21916.D	08/08/22 13:10
2006167	50ppb 8260 Calibration Standard	S075427-CAL8	C22V21917.D	08/08/22 13:34
2006168	100ppb 8260 Calibration Standard	S075427-CAL9	C22V21918.D	08/08/22 13:59
2006169	200ppb 8260 Calibration Standard	S075427-CALA	C22V21919.D	08/08/22 14:23
2006167	50ppb 8260 Calibration Standard	S075427-CAL8	C22V21920.D	08/08/22 14:47
2006168	100ppb 8260 Calibration Standard	S075427-CAL9	C22V21921.D	08/08/22 15:11
2006169	200ppb 8260 Calibration Standard	S075427-CALA	C22V21922.D	08/08/22 15:35

C:\msdchem\1\data\C080822\

Date			Filename	Lab ID	Sample Info
8 Aug 2022	6:52	am	C22V21901.D	BLK	
8 Aug 2022	7:28	am	C22V21902.D	22H0307-02 @ 100X	
8 Aug 2022	7:52	am	C22V21903.D	22H0307-03 @ 100X	
8 Aug 2022	8:16	am	C22V21904.D	22H0307-04 @ 100X	
8 Aug 2022	8:40	am	C22V21905.D	22H0364-01 @ 100X	
8 Aug 2022	9:04	am	C22V21906.D	22H0345-02 @ 100X	
8 Aug 2022	9:30	am	C22V21907.D	22H0353-05 @ 100X	
8 Aug 2022	9:54	am	C22V21908.D	22H0364-02 @ 100X	
8 Aug 2022	10:18	am	C22V21909.D	BFB	
8 Aug 2022	10:45	am	C22V21910.D	8260STD 0.4PPB 2206105	
8 Aug 2022	11:09	am	C22V21911.D	8260STD 0.5PPB 2206105	
8 Aug 2022	11:33	am	C22V21912.D	8260STD 1.0PPB 2206105	
8 Aug 2022	11:58	am	C22V21913.D	8260STD 2.0PPB 2206105	
8 Aug 2022	12:22	pm	C22V21914.D	8260STD 5.0PPB 2206105	
8 Aug 2022	12:46	pm	C22V21915.D	8260STD 10PPB 2206105	
8 Aug 2022	1:10	pm	C22V21916.D	8260STD 20PPB 2206105	
8 Aug 2022	1:34	pm	C22V21917.D	8260STD 50PPB 2206105	
8 Aug 2022	1:59	pm	C22V21918.D	8260STD 100PPB 2206105	
8 Aug 2022	2:23	pm	C22V21919.D	8260STD 200PPB 2206105	
8 Aug 2022	2:47	pm	C22V21920.D	ETOH500PPB	
8 Aug 2022	3:11	pm	C22V21921.D	ETOH1000PPB	
8 Aug 2022	3:35	pm	C22V21922.D	ETOH2000PPB	
8 Aug 2022	3:59	pm	C22V21923.D	BLK	
8 Aug 2022	4:23	pm	C22V21924.D	BLK	
8 Aug 2022	4:48	pm	C22V21925.D	BLK	
8 Aug 2022	5:12	pm	C22V21926.D	ICV 2208129	
8 Aug 2022	5:36	pm	C22V21927.D	CHECKICV 2208129	
8 Aug 2022	6:00	pm	C22V21928.D	BLK	
8 Aug 2022	6:24	pm	C22V21929.D	PRIME	
8 Aug 2022	6:48	pm	C22V21930.D	8260STD 10PPB 2206105	
8 Aug 2022	7:12	pm	C22V21931.D	B0-BS1	
8 Aug 2022	7:37	pm	C22V21932.D	B0-BSD1	
8 Aug 2022	8:01	pm	C22V21933.D	B0-BS1 @ HCL	
8 Aug 2022	8:25	pm	C22V21934.D	BLK	
8 Aug 2022	8:49	pm	C22V21935.D	B0-BLK1 @ HCL	
8 Aug 2022	9:13	pm	C22V21936.D	22H0307-05	
8 Aug 2022	9:37	pm	C22V21937.D	22H0267-01 @ 50X M	50
8 Aug 2022	10:01	pm	C22V21938.D	22H0267-02 @ 50X M	50
8 Aug 2022	10:25	pm	C22V21939.D	22H0267-03 @ 50X M	50
8 Aug 2022	10:49	pm	C22V21940.D	22H0267-04 @ 50X M	50
8 Aug 2022	11:13	pm	C22V21941.D	22H0267-05 @ 50X M	50
8 Aug 2022	11:37	pm	C22V21942.D	22H0316-01	
9 Aug 2022	12:01	am	C22V21943.D	22H0316-02	
9 Aug 2022	12:25	am	C22V21944.D	BLK	
9 Aug 2022	12:49	am	C22V21945.D	22H0307-03	
9 Aug 2022	1:13	am	C22V21946.D	22H0307-01 @ 20X	20
9 Aug 2022	1:37	am	C22V21947.D	22H0307-02 @ 2X	2
9 Aug 2022	2:01	am	C22V21948.D	22H0307-04 @ 2X	2
9 Aug 2022	2:25	am	C22V21949.D	BLK	
9 Aug 2022	2:49	am	C22V21950.D	22H0369-01	
9 Aug 2022	3:13	am	C22V21951.D	22H0369-03	
9 Aug 2022	3:37	am	C22V21952.D	22H0369-05	
9 Aug 2022	4:01	am	C22V21953.D	22H0369-06	
9 Aug 2022	4:25	am	C22V21954.D	22H0369-02	
9 Aug 2022	4:49	am	C22V21955.D	22H0369-04	
9 Aug 2022	5:13	am	C22V21956.D	CLEAN UP	

Method Path : C:\msdchem\1\methods\
 Method File : C080822.M
 Title : 8260 WATER 5MLS VOAMS 5973 #3
 Last Update : Tue Aug 09 06:47:59 2022
 Response Via : Initial Calibration

Calibration Files

0.4 =C22V21910.D 0.5 =C22V21911.D 1.0 =C22V21912.D 2.0 =C22V21913.D 5.0 =C22V21914.D 10 =C22V21915.D 20 =C22V21916.D
 50 =C22V21917.D 100 =C22V21918.D 200 =C22V21919.D

Compound		0.4	0.5	1.0	2.0	5.0	10	20	50	100	200	Avg	%RSD

1)	PENTAFLUOROBENZENE	0.574	0.567	0.569	0.574	0.570	0.570	0.561	0.552	0.549	0.543	0.563	1.98
2)	1,2-DICHLOROET...	0.574	0.567	0.569	0.574	0.570	0.570	0.561	0.552	0.549	0.543	0.563	1.98
3)	DICHLORODIFLUO...	0.380	0.335	0.449	0.444	0.429	0.440	0.473	0.472	0.462	0.458	0.434	10.14
4)	DIFLUOROCHLORO...	0.549	0.501	0.531	0.566	0.569	0.584	0.614	0.609	0.597	0.602	0.572	6.43
5)	CHLOROMETHANE	0.839	0.817	0.836	0.804	0.730	0.641	0.614	0.584	0.595	0.636	0.710	14.99
6)	VINYL CHLORIDE	0.479	0.428	0.500	0.514	0.538	0.538	0.568	0.561	0.550	0.546	0.522	8.24#
7)	BROMOMETHANE				0.358	0.306	0.285	0.240	0.352	0.307	0.309	0.308	13.03
8)	CHLOROETHANE	0.343	0.343	0.382	0.384	0.370	0.385	0.366	0.358	0.340	0.329	0.360	5.65
9)	FLUORODICHLORO...	0.805	0.716	0.834	0.855	0.855	0.873	0.890	0.872	0.853	0.847	0.840	5.88
10)	TRICHLOROFLUOR...	0.584	0.498	0.622	0.657	0.645	0.673	0.698	0.687	0.669	0.657	0.639	9.31
11)	ETHANOL				0.014	0.009	0.010	0.010	0.010	0.009	0.009	0.010	17.65
12)	DI ETHYL ETHER	0.300	0.289	0.375	0.373	0.392	0.398	0.404	0.400	0.393	0.389	0.371	11.24
13)	ACROLEIN	0.079	0.077	0.085	0.085	0.091	0.094	0.098	0.096	0.101	0.109	0.091	11.09
14)	ACETONE	0.196	0.185	0.189	0.176	0.184	0.180	0.181	0.179	0.176	0.175	0.182	3.70
15)	1,1-DICHLOROET...	0.577	0.575	0.642	0.674	0.651	0.667	0.693	0.688	0.668	0.666	0.650	6.43#
16)	1,1,2-TRICL-1,...	0.340	0.282	0.393	0.400	0.389	0.386	0.404	0.400	0.396	0.386	0.378	10.08
17)	IODOMETHANE			0.382	0.432	0.493	0.526	0.578	0.619	0.646	0.661	0.542	18.78
18)	ACETONITRILE											0.000	-1.00
19)	ALLYL CHLORIDE											0.000	-1.00
20)	METHYL ACETATE	0.877	0.683	0.749	0.712	0.718	0.681	0.695	0.669	0.654	0.649	0.709	9.36
21)	T-BUTYL ALCOHOL	0.070	0.061	0.068	0.073	0.070	0.074	0.075	0.076	0.076	0.077	0.072	6.98
22)	ACRYLONITRILE	0.181	0.173	0.223	0.215	0.233	0.251	0.233	0.247	0.251	0.254	0.226	12.76
23)	METHYLENE CHLO...	0.572	0.587	0.659	0.642	0.671	0.676	0.683	0.660	0.646	0.632	0.643	5.80
24)	CARBON DISULFIDE	1.070	1.048	1.207	1.278	1.303	1.339	1.386	1.373	1.358		1.262	10.12
25)	METHYL TERT-BU...	1.163	1.270	1.413	1.391	1.405	1.487	1.462	1.536	1.497	1.504	1.413	8.23
26)	TRANS 1,2-DICH...	0.516	0.586	0.633	0.600	0.594	0.656	0.630	0.661	0.648	0.654	0.618	7.25
27)	1,1-DICHLOROET...	0.680	0.730	0.782	0.788	0.798	0.800	0.825	0.833	0.817	0.825	0.788	6.13
28)	VINYL ACETATE	1.056	1.030	1.235	1.297	1.367	1.418	1.458	1.484	1.474	1.306	1.313	12.50
29)	DI ISOPROPYL ETHER	1.301	1.344	1.494	1.557	1.573	1.608	1.663	1.681	1.675	1.691	1.559	8.98
30)	CHLOROPRENE											0.000	-1.00
31)	2-BUTANONE	0.200	0.196	0.239	0.250	0.278	0.281	0.289	0.299	0.297	0.304	0.263	15.33
32)	T-BUTYL ETHYL ...	1.137	1.175	1.318	1.358	1.393	1.455	1.478	1.504	1.501	1.516	1.383	9.91
33)	CIS-1,2-DICHL...	0.591	0.561	0.657	0.677	0.688	0.715	0.735	0.745	0.743	0.751	0.686	9.70
34)	2,2-DICHLOROPR...	0.506	0.532	0.613	0.620	0.608	0.610	0.619	0.673	0.653	0.655	0.609	8.66
35)	ETHYL ACETATE	0.666	0.657	0.727	0.685	0.598	0.621	0.613	0.642	0.658	0.641	0.651	5.77
36)	PROPIONITRILE											0.000	-1.00
37)	METHACRYLONITRILE											0.000	-1.00
38)	BROMOCHLOROMET...	0.294	0.324	0.375	0.406	0.426	0.427	0.436	0.412	0.366	0.328	0.379	13.16
39)	TETRAHYDROFURAN			0.159	0.168	0.181	0.197	0.191	0.200	0.200	0.205	0.188	8.92
40)	CHLOROFORM	0.686	0.653	0.700	0.743	0.779	0.796	0.806	0.812	0.804	0.812	0.759	7.84#
41)	1,1,1-TRICHLOR...	0.510	0.551	0.607	0.627	0.651	0.668	0.675	0.678	0.674	0.683	0.632	9.43
42)	CYCLOHEXANE			0.890	0.720	0.676	0.688	0.667	0.667	0.658	0.658	0.708	11.74
43)	CARBON TETRACH...	0.443	0.410	0.511	0.515	0.530	0.546	0.569	0.584	0.581	0.594	0.528	11.63

Method Path : C:\msdchem\1\methods\

Method File : C080822.M

Title : 8260 WATER 5MLS VOAMS 5973 #3

44)	1,1-DICHLOROPR...	0.486	0.397	0.546	0.544	0.557	0.569	0.591	0.591	0.593	0.599	0.547	11.47
45)	BENZENE	1.581	1.485	1.629	1.646	1.641	1.704	1.751	1.746	1.740	1.754	1.668	5.33
46)	ISOBUTANOL											0.000	-1.00
47)	T-AMYL METHYL E...	1.058	1.066	1.235	1.300	1.339	1.349	1.418	1.442	1.445	1.472	1.312	11.49
1,4-DIFLUOROBENZEN...-----ISTD-----													
48)	TOLUENE SS	1.193	1.186	1.169	1.181	1.196	1.194	1.199	1.191	1.180	1.193	1.188	0.78
49)	1,2-DICHLOROET...	0.352	0.351	0.406	0.423	0.445	0.450	0.459	0.466	0.458	0.466	0.428	10.38
50)	TRICHLOROETHENE	0.235	0.211	0.268	0.283	0.270	0.290	0.297	0.306	0.300	0.309	0.277	11.52
51)	METHYLCYCLOHEXANE	0.273	0.232	0.328	0.342	0.327	0.335	0.363	0.371	0.365	0.373	0.331	13.88
52)	1,2-DICHLOROPR...	0.278	0.243	0.277	0.313	0.308	0.318	0.319	0.335	0.327	0.345	0.306	10.13#
53)	DIBROMOMETHANE	0.156	0.164	0.185	0.188	0.202	0.215	0.217	0.223	0.220	0.227	0.200	12.68
54)	METHYL METHACR...											0.000	-1.00
55)	1,4-DIOXANE				0.004	0.004	0.004	0.005	0.005	0.005	0.005	0.005	10.93
56)	BROMODICHLOROM...	0.293	0.300	0.384	0.386	0.403	0.416	0.428	0.440	0.438	0.454	0.394	14.27
57)	2-CHLOROETHYL...			0.125	0.130	0.153	0.158	0.173	0.182	0.186	0.199	0.163	16.34
58)	MIBK	0.345	0.339	0.371	0.378	0.409	0.425	0.446	0.459	0.460	0.481	0.411	12.36
59)	CIS-1,3-DICHLOR...	0.388	0.370	0.455	0.451	0.464	0.489	0.507	0.533	0.528	0.550	0.473	12.72
60)	TOLUENE	1.054	1.053	1.138	1.195	1.170	1.211	1.264	1.289	1.271	1.307	1.195	7.71#
61)	TRANS-1,3,-DIC...	0.292	0.317	0.365	0.387	0.413	0.429	0.448	0.466	0.470	0.495	0.408	16.50
62)	ETHYL METHACRY...											0.000	-1.00
63)	1,1,2-TRICHLOR...	0.225	0.204	0.263	0.281	0.290	0.291	0.301	0.310	0.310	0.322	0.280	13.74
64)	2-HEXANONE	0.226	0.214	0.251	0.252	0.283	0.298	0.315	0.327	0.332	0.346	0.284	16.36
65)	TETRACHLOROETHENE	0.184	0.219	0.262	0.287	0.295	0.298	0.306	0.316	0.316	0.324	0.281	16.43
66)	1,3-DICHLOROPR...	0.360	0.399	0.457	0.498	0.506	0.529	0.543	0.558	0.554	0.572	0.497	14.36
67)	DIBROMOCHLOROM...	0.303	0.262	0.308	0.315	0.334	0.346	0.358	0.370	0.375	0.394	0.336	11.93
68)	1,2-DIBROMOETHANE	0.209	0.200	0.274	0.294	0.311	0.320	0.337	0.342	0.345	0.361	0.299	18.76
CHLOROBENZENE-D5-----ISTD-----													
70)	4-BROMOFLUOROB...	0.877	0.887	0.870	0.877	0.894	0.877	0.891	0.894	0.902	0.924	0.889	1.77
71)	CHLOROBENZENE	1.363	1.300	1.479	1.518	1.568	1.649	1.683	1.732	1.728	1.743	1.576	10.06
72)	1,1,1,2-TETRAC...	0.467	0.466	0.567	0.550	0.583	0.604	0.633	0.650	0.653	0.671	0.584	12.55
73)	ETHYLBENZENE	2.113	1.971	2.368	2.457	2.541	2.704	2.761	2.853	2.850	2.872	2.549	12.55#
74)	M/P-XYLENES	1.593	1.613	1.825	1.969	1.939	2.067	2.134	2.249	2.229	2.285	1.990	12.62
75)	0-XYLENE	1.643	1.623	1.956	2.041	2.094	2.227	2.283	2.348	2.339	2.391	2.095	13.44
76)	STYRENE	1.231	1.320	1.474	1.549	1.662	1.808	1.868	1.940	1.952	2.027	1.683	16.63
77)	BROMOFORM	0.320	0.457	0.473	0.473	0.520	0.530	0.565	0.591	0.617	0.639	0.523	18.74
78)	ISOPROPYLBENZENE	1.988	1.862	2.188	2.371	2.375	2.517	2.584	2.678	2.663	2.726	2.395	12.50
79)	CIS-1,4-DICHLOR...	0.719	0.685	0.821	0.921	0.943	0.965	1.001	1.036	1.037	1.050	0.918	-1.00
80)	1,1,2,2-TETRAC...			0.183	0.234	0.212	0.225	0.239	0.267	0.275	0.283	0.240	14.47
81)	1,4-DICHLORO-2...												14.15
82)	BROMOBENZENE	0.873	0.914	1.031	1.025	0.986	1.043	1.102	1.129	1.156	1.193	1.045	9.86
83)	1,2,3-TRICHLOR...	0.610	0.800	0.845	0.689	0.722	0.703	0.744	0.790	0.796	0.828	0.753	9.65
84)	N-PROPYLBENZENE	2.061	2.075	2.501	2.545	2.641	2.796	2.923	3.043	3.047	3.150	2.678	14.52
85)	2-CHLOROTOLUENE	1.465	1.539	1.543	1.617	1.741	1.846	1.878	1.933	1.922	1.979	1.746	10.91
86)	1,3,5-TRIMETHY...	1.711	1.525	1.805	1.824	1.915	2.047	2.100	2.195	2.201	2.314	1.964	12.72
87)	4-CHLOROTOLUENE	1.474	1.432	1.935	1.953	1.914	2.042	2.170	2.236	2.295	2.399	1.985	16.30
1,4-DICHLOROBENZEN...-----ISTD-----													
88)	TERT-BUTYLBENZENE	1.455	1.321	1.607	1.598	1.600	1.653	1.725	1.718	1.693	1.698	1.607	8.01
89)	1,2,4-TRIMETHY...	1.721	1.659	1.947	1.915	1.949	2.086	2.091	2.144	2.115	2.121	1.975	8.69
90)	SEC-BUTYLBENZENE	1.801	1.692	2.174	2.156	2.112	2.263	2.316	2.329	2.286	2.305	2.143	10.40
91)	1,3-DICHLOROB...	0.939	0.959	1.138	1.184	1.188	1.269	1.294	1.321	1.316	1.323	1.193	12.08

Method Path : C:\msdchem\1\methods\													
Method File : C080822.M													
Title : 8260 WATER 5MLS VOAMS 5973 #3													
94)	P-ISOPROPYL TOL...	1.558	1.512	1.787	1.817	1.863	1.884	1.975	2.011	1.999	2.015	1.842	9.85
95)	1,4-DICHLOROBEN...	1.059	1.090	1.322	1.240	1.298	1.265	1.339	1.353	1.355	1.386	1.271	8.84
96)	1,2,3-TRIMETHY...	1.883	1.770	2.150	2.212	2.239	2.303	2.366	2.351	2.311	2.306	2.189	9.30
97)	N-BUTYLBENZENE		1.074	1.229	1.443	1.505	1.603	1.718	1.778	1.784	1.814	1.550	16.92
98)	1,2-DICHLOROBEN...	0.962	0.963	1.078	1.203	1.272	1.287	1.327	1.342	1.344	1.359	1.214	12.91
99)	1,2-DIBROMO-3-...			0.133	0.140	0.165	0.164	0.171	0.178	0.184	0.185	0.165	11.79
00)	1,3,5-TRICHLOR...		0.439	0.675	0.678	0.752	0.762	0.812	0.836	0.851	0.867	0.741	18.00
01)	1,2,4-TRICHLOR...			0.464	0.546	0.623	0.671	0.718	0.785	0.804	0.821	0.679	18.94
02)	HEXACHLOROBUTA...		0.174	0.226	0.296	0.296	0.305	0.314	0.309	0.319	0.329	0.285	17.86
03)	NAPHTHALENE				1.429	1.654	1.863	2.062	2.366	2.437	2.441	2.036	19.84
04)	1,2,3-TRICHLOR...			0.483	0.522	0.635	0.641	0.695	0.773	0.782	0.779	0.664	17.46

(#) = Out of Range													

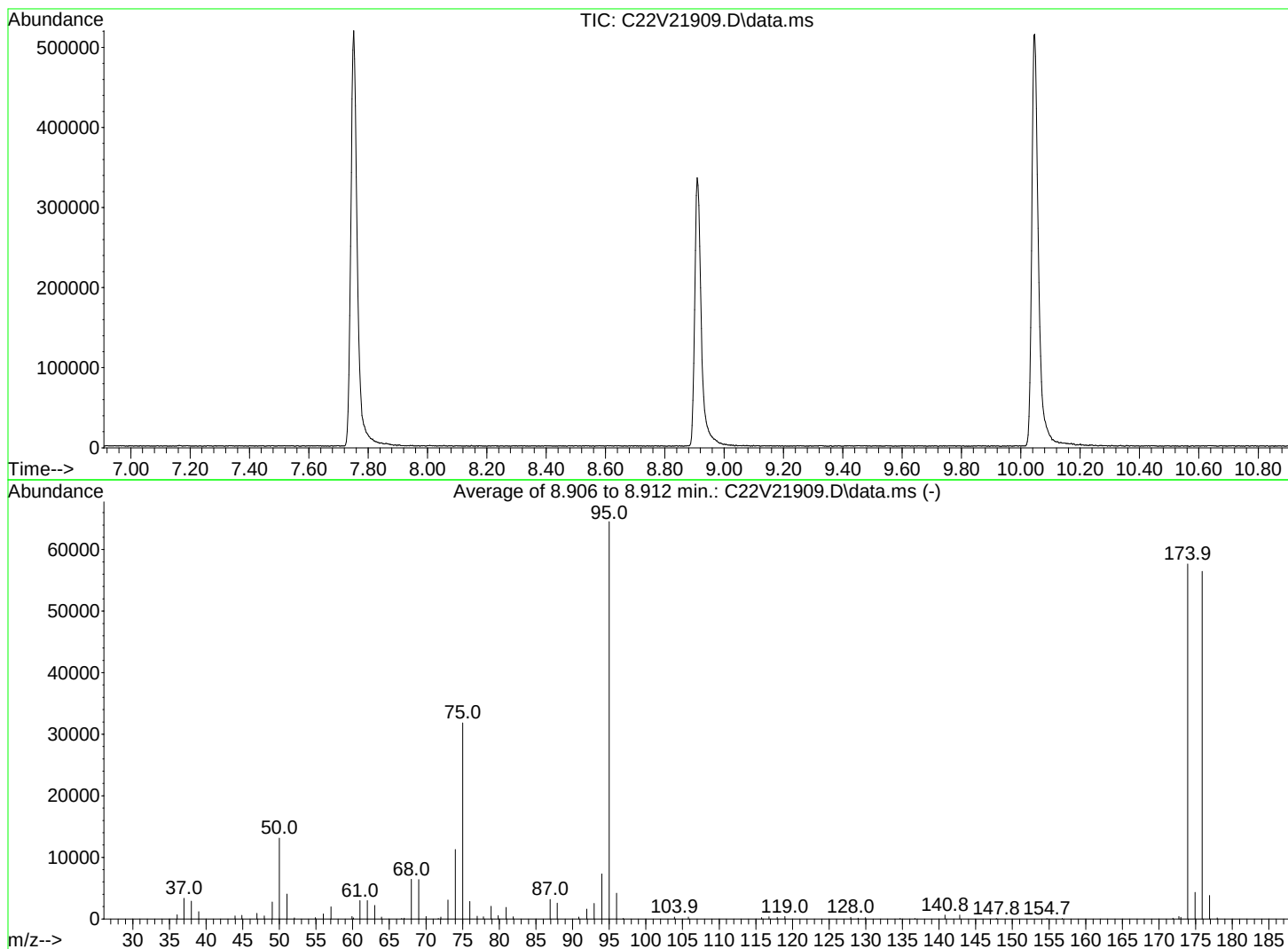
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Data File : C22V21909.D
Acq On : 8 Aug 2022 10:18 am
Operator :
Sample : BFB
Misc :
ALS Vial : 9 Sample Multiplier: 1

135

Inst : GCMSVOA3

Integration File: 8260B.P

Method : C:\msdchem\1\methods\C080822.M
Title : 8260 WATER 5MLS VOAMS 5973 #3
Last Update : Tue Aug 09 06:47:59 2022



AutoFind: Scans 2823, 2824, 2825; Background Corrected with Scan 2812

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.3	13103	PASS
75	95	30	60	49.3	31856	PASS
95	95	100	100	100.0	64555	PASS
96	95	5	9	6.5	4167	PASS
173	174	0.00	2	0.6	373	PASS
174	95	50	100	89.4	57683	PASS
175	174	5	9	7.5	4323	PASS
176	174	95	101	97.9	56467	PASS
177	176	5	9	6.8	3816	PASS

Data Path : C:\msdchem\1\data\C080822\
 Data File : C22V21910.D
 Acq On : 8 Aug 2022 10:45 am
 Operator :
 Sample : 8260STD 0.4PPB 2206105
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Inst : GCMSVOA3

Quant Time: Aug 08 12:14:45 2022
 Quant Method : C:\msdchem\1\methods\C051619.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Mon Aug 08 11:15:01 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) PENTAFLUOROBENZENE - ISTD	4.191	168	194735	30.00	UG/L	0.00
48) 1,4-DIFLUOROBENZENE - ...	4.916	114	289669	30.00	UG/L	0.00
70) CHLOROBENZENE-D5 ISTD	7.749	82	141710	30.00	UG/L	0.00
89) 1,4-DICHLOROBENZENE-D4...	10.047	152	133895	30.00	UG/L	# 0.00
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4 SS	4.464	65	93218	25.45	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	101.80%	
49) TOLUENE SS	6.352	98	288071	24.94	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	99.76%	
71) 4-BROMOFLUOROBENZENE SS	8.909	95	103625	24.65	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	98.60%	
Target Compounds						
						Qvalue
3) DICHLORODIFLUOROMETHANE	1.087	85	987	0.31	UG/L	# 43
4) DIFLUOROCHLOROMETHANE	1.093	51	1425	0.38	UG/L	# 100
5) CHLOROMETHANE	1.193	50	2178	0.51	UG/L	# 22
6) VINYL CHLORIDE	1.263	62	1244	0.37	UG/L	# 51
7) BROMOMETHANE	1.452	94	1504m	0.81	UG/L	
8) CHLOROETHANE	1.514	64	891m	0.48	UG/L	
9) FLUORODICHLOROMETHANE	1.642	67	2091	0.41	UG/L	95
10) TRICHLOROFLUOROMETHANE	1.676	101	1517	0.40	UG/L	96
12) DI ETHYL ETHER	1.865	59	778	0.32	UG/L	91
13) ACROLEIN	1.957	56	2054	2.56	UG/L	99
14) ACETONE	2.069	43	5099	4.17	UG/L	90
15) 1,1-DICHLOROETHENE	2.021	61	1499	0.40	UG/L	96
16) 1,1,2-TRICL-1,2,2-TRIF...	2.024	101	882	0.43	UG/L	98
17) IODOMETHANE	2.138	142	8089	2.62	UG/L	97
20) METHYL ACETATE	2.317	43	2277	0.60	UG/L	# 64
21) T-BUTYL ALCOHOL	2.507	59	1811m	3.85	UG/L	
22) ACRYLONITRILE	2.615	53	469m	0.29	UG/L	
23) METHYLENE CHLORIDE	2.395	49	1484	0.37	UG/L	98
24) CARBON DISULFIDE	2.191	76	27788	3.82	UG/L	97
25) METHYL TERT-BUTYL ETHE...	2.635	73	3020m	0.36	UG/L	
26) TRANS 1,2-DICHLOROETHENE	2.629	61	1341	0.34	UG/L	# 81
27) 1,1-DICHLOROETHANE	3.039	63	1765	0.34	UG/L	# 51
28) VINYL ACETATE	3.114	43	27429	2.73	UG/L	99
29) DI ISOPROYL ETHER	3.131	45	3378	0.30	UG/L	# 87
31) 2-BUTANONE	3.695	43	5184	2.36	UG/L	# 93
32) T-BUTYL ETHYL ETHER	3.502	59	2951m	0.31	UG/L	
33) CIS-1,2-DICHLOROETHENE	3.642	61	1535	0.34	UG/L	# 46
34) 2,2-DICHLOROPROPANE	3.633	77	1313	0.34	UG/L	# 47
35) ETHYL ACETATE	3.781	43	1728m	0.39	UG/L	
38) BROMOCHLOROMETHANE	3.884	49	764	0.28	UG/L	# 18
39) TETRAHYDROFURAN	3.965	42	300m	0.23	UG/L	
40) CHLOROFORM	3.973	83	1781	0.37	UG/L	# 80
41) 1,1,1-TRICHLOROETHANE	4.141	97	1325	0.34	UG/L	# 88
42) CYCLOHEXANE	4.191	56	5046	1.10	UG/L	# 43
43) CARBON TETRACHLORIDE	4.311	117	1149	0.35	UG/L	# 3
44) 1,1-DICHLOROPROPENE	4.316	75	1261	0.35	UG/L	# 39
45) BENZENE	4.514	78	4104m	0.37	UG/L	
47) T-AMYL METHYL ETHER	4.654	73	2747	0.33	UG/L	# 72
50) 1,2-DICHLOROETHANE	4.548	62	1359	0.34	UG/L	# 74
51) TRICHLOROETHENE	5.167	95	909	0.36	UG/L	# 75
52) METHYLCYCLOHEXANE	5.340	83	1053	0.30	UG/L	# 60
53) 1,2-DICHLOROPROPANE	5.393	63	1075m	0.35	UG/L	
54) DIBROMOMETHANE	5.496	93	602	0.32	UG/L	# 45

Data Path : C:\msdchem\1\data\C080822\
 Data File : C22V21910.D
 Acq On : 8 Aug 2022 10:45 am
 Operator :
 Sample : 8260STD 0.4PPB 2206105
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Inst : GCMSVOA3

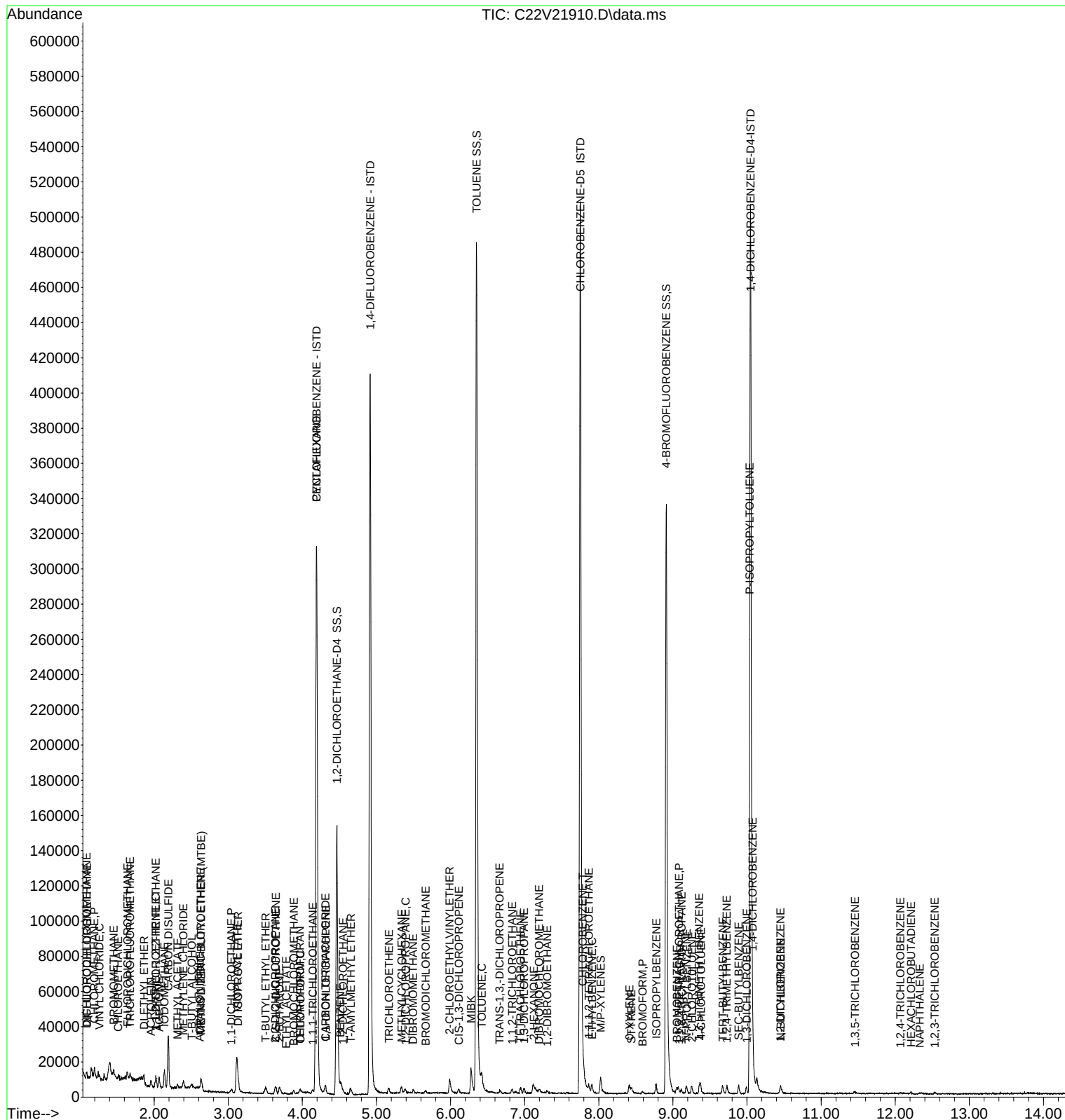
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 Quant Method : C:\msdchem\1\methods\C051619.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Mon Aug 08 11:15:01 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
57) BROMODICHLOROMETHANE	5.663	83	1131	0.31	UG/L	# 95
58) 2-CHLOROETHYL VINYLETHER	5.987	63	3813m	2.56	UG/L	
59) MIBK	6.277	43	13328m	2.96	UG/L	
60) CIS-1,3-DICHLOROPROPENE	6.112	75	1497m	0.32	UG/L	
61) TOLUENE	6.422	91	4069m	0.36	UG/L	
62) TRANS-1,3,-DICHLOROPRO...	6.662	75	1127m	0.27	UG/L	
64) 1,1,2-TRICHLOROETHANE	6.829	97	870	0.33	UG/L	# 15
65) 2-HEXANONE	7.122	43	8733m	2.70	UG/L	
66) TETRACHLOROETHENE	6.943	166	711m	0.27	UG/L	
67) 1,3-DICHLOROPROPANE	6.991	76	1390m	0.28	UG/L	
68) DIBROMOCHLOROMETHANE	7.194	129	1170m	0.39	UG/L	
69) 1,2-DIBROMOETHANE	7.306	107	807	0.27	UG/L	90
72) CHLOROBENZENE	7.783	112	2576	0.37	UG/L	# 73
73) 1,1,1,2-TETRACHLOROETHANE	7.866	131	883	0.35	UG/L	# 65
74) ETHYLBENZENE	7.908	91	3993	0.33	UG/L	91
75) M/P-XYLENES	8.025	91	6020	0.66	UG/L	# 65
76) O-XYLENE	8.413	91	3105	0.33	UG/L	98
77) STYRENE	8.438	104	2326m	0.31	UG/L	
78) BROMOFORM	8.591	173	503m	0.23	UG/L	
79) ISOPROPYLBENZENE	8.775	105	3756	0.34	UG/L	97
81) 1,1,2,2-TETRACHLOROETHANE	9.082	83	1358	0.33	UG/L	# 87
83) BROMOBENZENE	9.054	77	1649m	0.33	UG/L	
84) 1,2,3-TRICHLOROPROPANE	9.116	75	1153m	0.33	UG/L	
85) N-PROPYLBENZENE	9.185	91	3894	0.30	UG/L	# 51
86) 2-CHLOROTOLUENE	9.255	91	2769	0.34	UG/L	# 39
87) 1,3,5-TRIMETHYLBENZENE	9.355	105	3232	0.36	UG/L	92
88) 4-CHLOROTOLUENE	9.378	91	2786	0.30	UG/L	89
90) TERT-BUTYLBENZENE	9.673	119	2597	0.36	UG/L	97
91) 1,2,4-TRIMETHYLBENZENE	9.726	105	3073	0.34	UG/L	92
92) SEC-BUTYLBENZENE	9.888	105	3215	0.32	UG/L	# 55
93) 1,3-DICHLOROBENZENE	9.997	146	1676	0.32	UG/L	98
94) P-ISOPROPYLTOLUENE	10.036	119	2782	0.32	UG/L	# 86
95) 1,4-DICHLOROBENZENE	10.075	146	1891	0.34	UG/L	# 44
97) N-BUTYLBENZENE	10.454	91	1989m	0.25	UG/L	
98) 1,2-DICHLOROBENZENE	10.451	146	1717	0.32	UG/L	# 54
100) 1,3,5-TRICHLOROBENZENE	11.455	180	778m	0.21	UG/L	
101) 1,2,4-TRICHLOROBENZENE	12.066	180	450m	0.13	UG/L	
102) HEXACHLOROBUTADIENE	12.211	225	343m	0.26	UG/L	
103) NAPHTHALENE	12.331	128	1432m	0.14	UG/L	
104) 1,2,3-TRICHLOROBENZENE	12.534	180	532m	0.16	UG/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

138

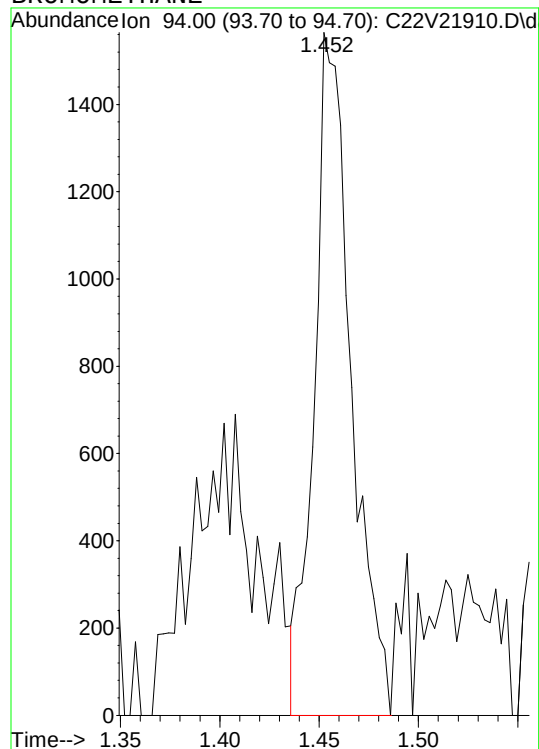
Quant Time: Aug 08 12:14:45 2022
Quant Method : C:\msdchem\1\methods\C051619.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
QLast Update : Mon Aug 08 11:15:01 2022
Response via : Initial Calibration



Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21910.D
Acq On : 8 Aug 2022 10:45 am
Operator :
Sample : 8260STD 0.4PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:14:45 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration
BROMOMETHANE



Original Int. Results

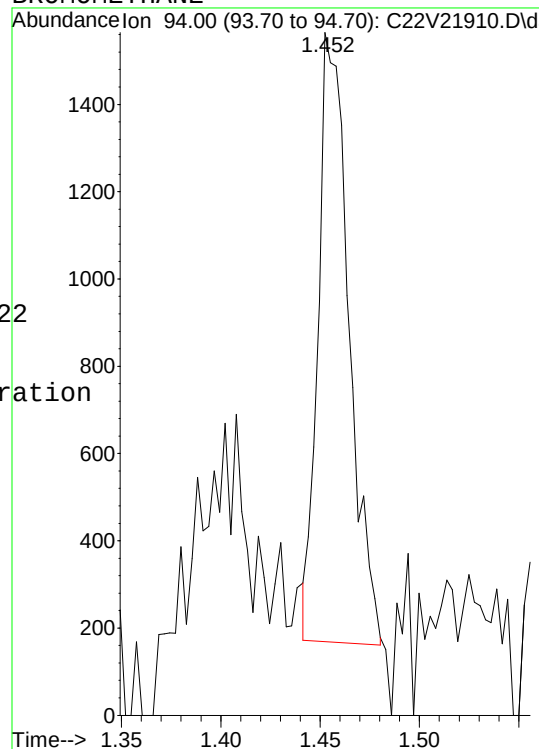
RT : 1.45
Area : 2018
Amount: 1.09191

Manual Int. Results

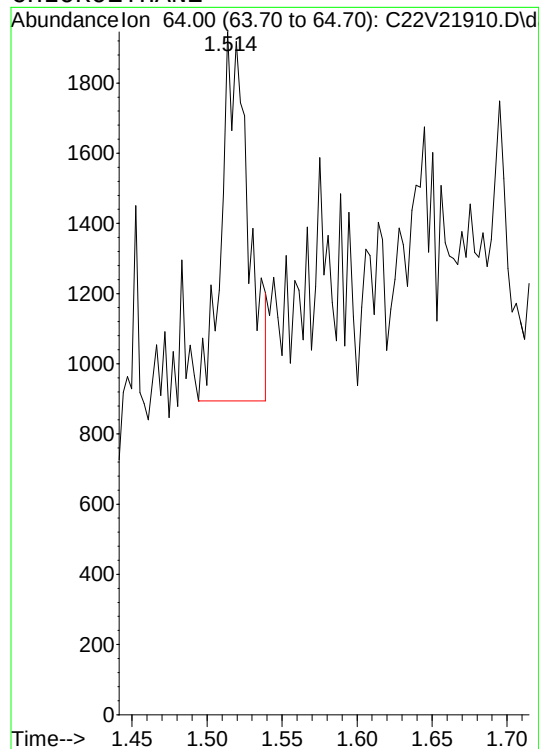
Mon Aug 08 12:12:02 2022

MIuser: EEH
Reason: Incoret Integration
RT : 1.45
Area : 1504
Amount: 0.813796

Manual Integration
BROMOMETHANE



Original Integration
CHLOROETHANE



Original Int. Results

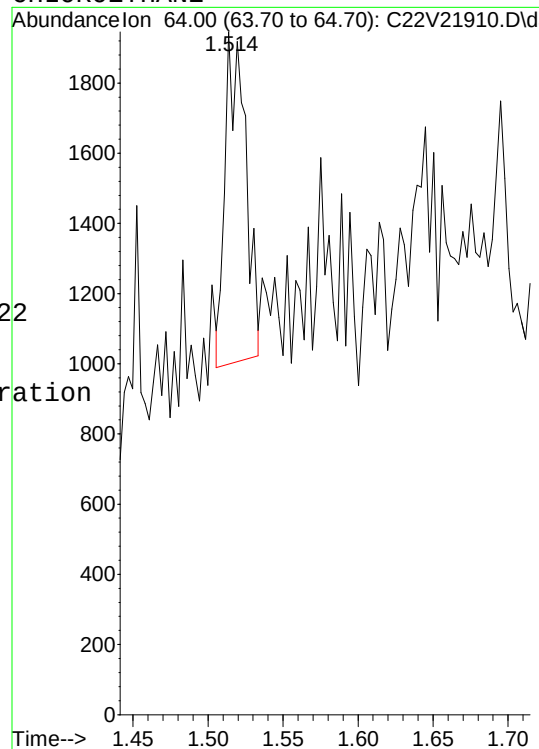
RT : 1.51
Area : 1315
Amount: 0.703036

Manual Int. Results

Mon Aug 08 12:12:10 2022

MIuser: EEH
Reason: Incoret Integration
RT : 1.51
Area : 891
Amount: 0.476354

Manual Integration
CHLOROETHANE



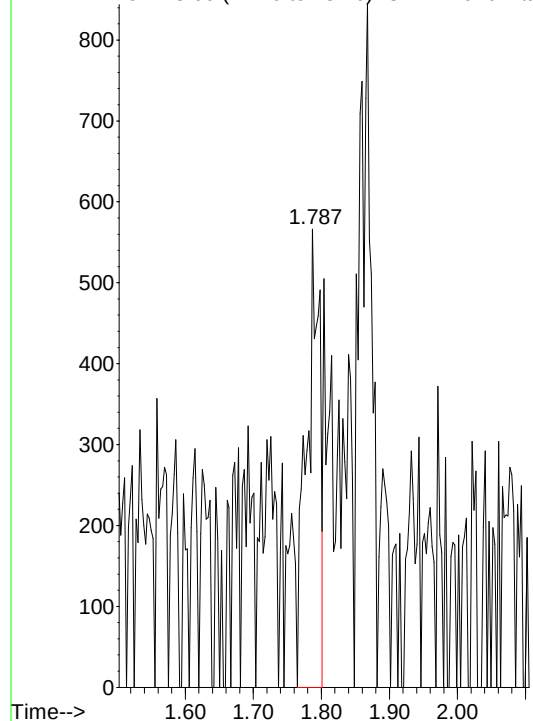
Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21910.D
Acq On : 8 Aug 2022 10:45 am
Operator :
Sample : 8260STD 0.4PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:14:45 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration

ETHANOL

AbundanceIon 45.00 (44.70 to 45.70): C22V21910.Did



Original Int. Results

RT : 1.79
Area : 753
Amount: 11.3455

Manual Int. Results

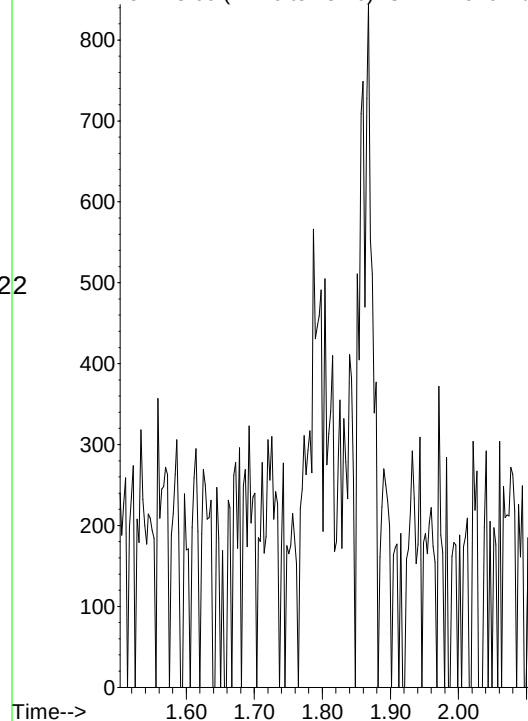
Mon Aug 08 12:12:15 2022

MIuser: EEH
Reason: Split Peak
RT : 0.00
Area : 0
Amount: 0

Manual Integration

ETHANOL

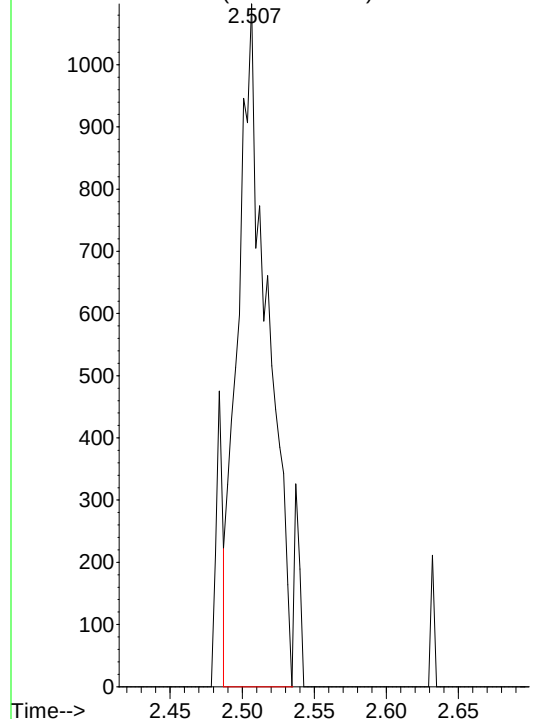
AbundanceIon 45.00 (44.70 to 45.70): C22V21910.Did



Original Integration

T-BUTYL ALCOHOL

AbundanceIon 59.10 (58.80 to 59.80): C22V21910.Did



Original Int. Results

RT : 2.51
Area : 1572
Amount: 3.34549

Manual Int. Results

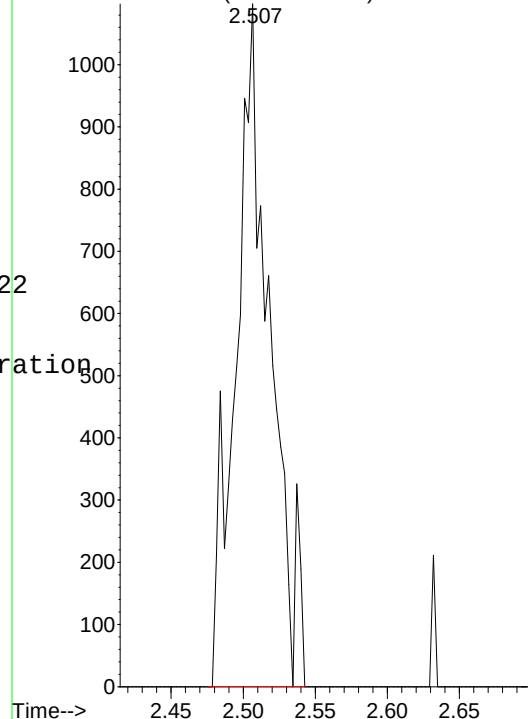
Mon Aug 08 12:12:29 2022

MIuser: EEH
Reason: Incoret Integration
RT : 2.51
Area : 1811
Amount: 3.85413

Manual Integration

T-BUTYL ALCOHOL

AbundanceIon 59.10 (58.80 to 59.80): C22V21910.Did

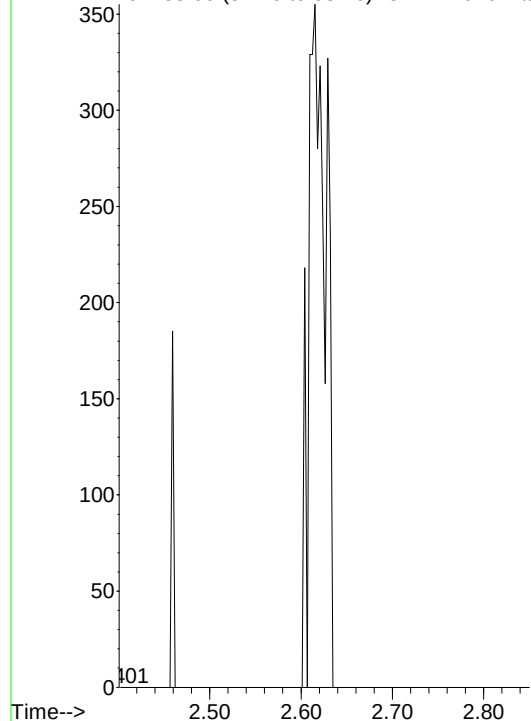


Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21910.D
Acq On : 8 Aug 2022 10:45 am
Operator :
Sample : 8260STD 0.4PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:14:45 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration
ACRYLONITRILE

Abundance Ion 53.00 (52.70 to 53.70): C22V21910.D



Original Int. Results

RT : 0.00
Area : 0
Amount: 0

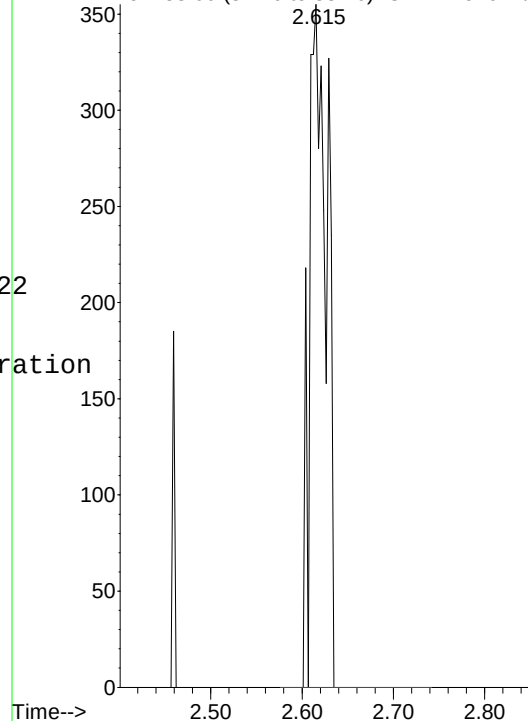
Manual Int. Results

Mon Aug 08 12:12:31 2022

MIuser: EEH
Reason: Incoret Integration
RT : 2.62
Area : 469
Amount: 0.290844

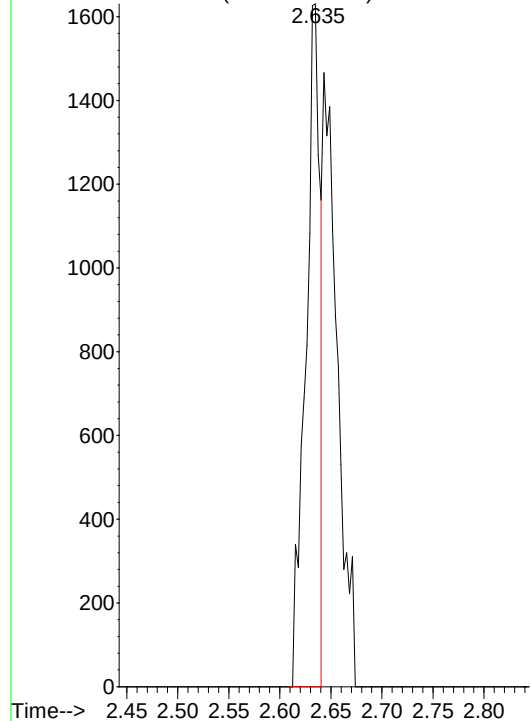
Manual Integration
ACRYLONITRILE

Abundance Ion 53.00 (52.70 to 53.70): C22V21910.D



Original Integration
METHYL TERT-BUTYL ETHER (MTBE)

Abundance Ion 73.00 (72.70 to 73.70): C22V21910.D



Original Int. Results

RT : 2.63
Area : 1586
Amount: 0.186439

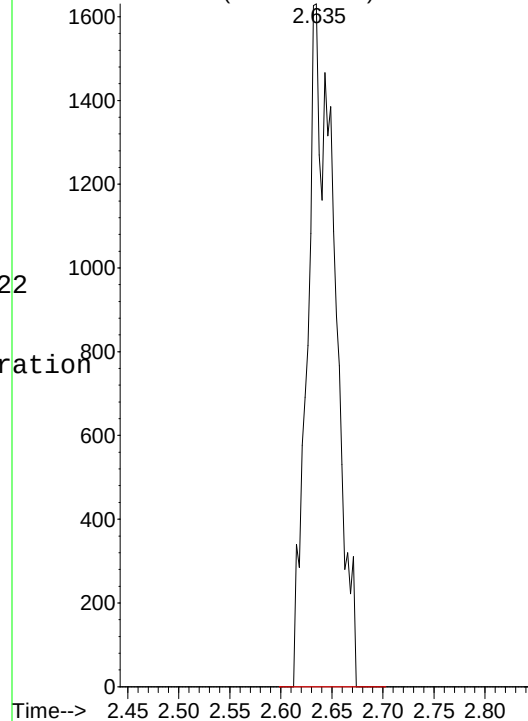
Manual Int. Results

Mon Aug 08 12:12:35 2022

MIuser: EEH
Reason: Incoret Integration
RT : 2.63
Area : 3020
Amount: 0.35501

Manual Integration
METHYL TERT-BUTYL ETHER (MTBE)

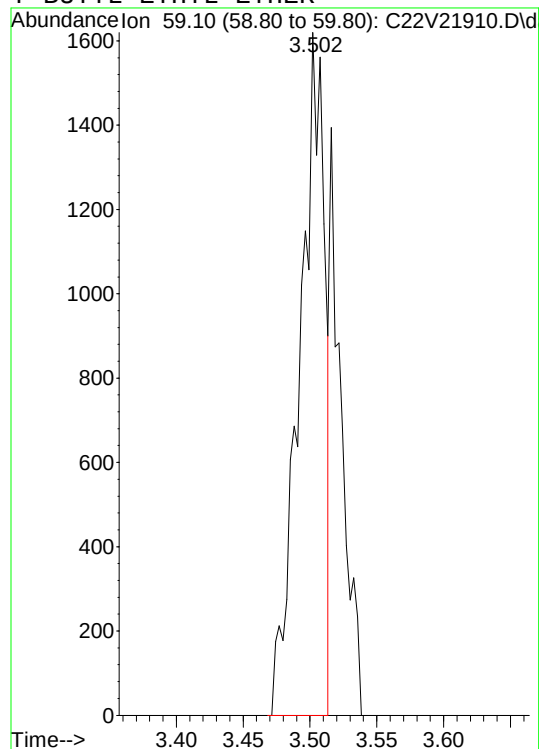
Abundance Ion 73.00 (72.70 to 73.70): C22V21910.D



Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21910.D
Acq On : 8 Aug 2022 10:45 am
Operator :
Sample : 8260STD 0.4PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:14:45 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration
T-BUTYL ETHYL ETHER



Original Int. Results

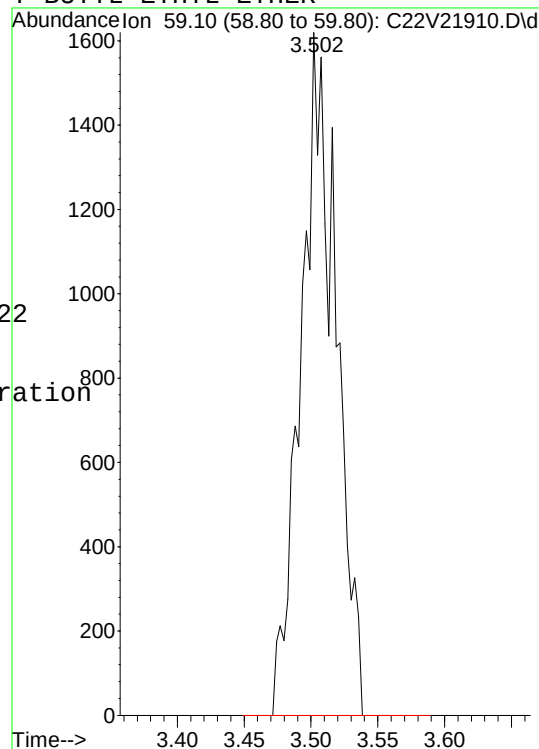
RT : 3.50
Area : 2103
Amount: 0.223231

Manual Int. Results

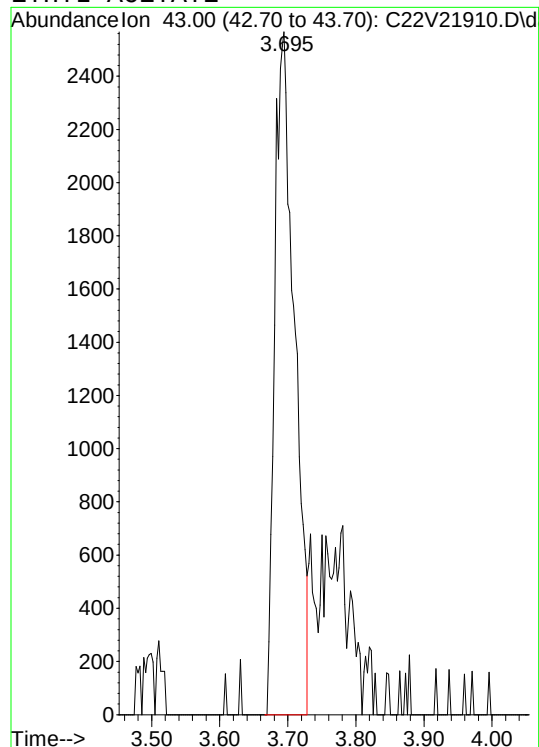
Mon Aug 08 12:12:44 2022

MIuser: EEH
Reason: Incoret Integration
RT : 3.50
Area : 2951
Amount: 0.313245

Manual Integration
T-BUTYL ETHYL ETHER



Original Integration
ETHYL ACETATE



Original Int. Results

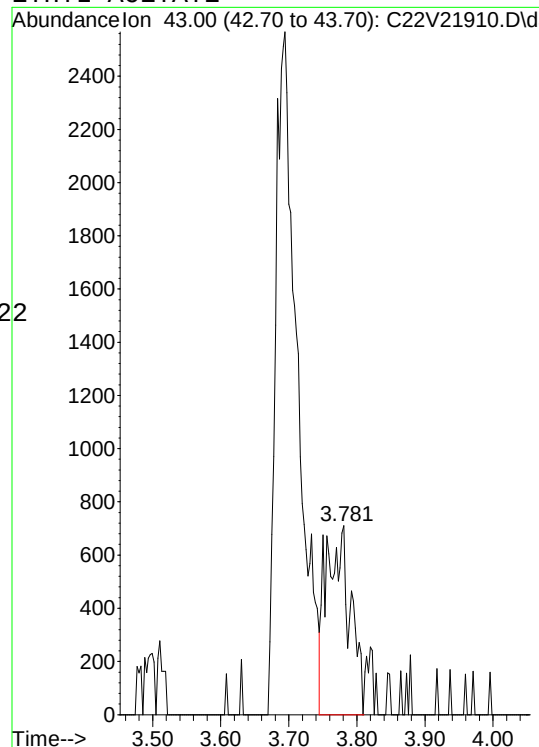
RT : 3.69
Area : 5184
Amount: 1.17002

Manual Int. Results

Mon Aug 08 12:12:59 2022

MIuser: EEH
Reason: Other
RT : 3.78
Area : 1728
Amount: 0.390005

Manual Integration
ETHYL ACETATE

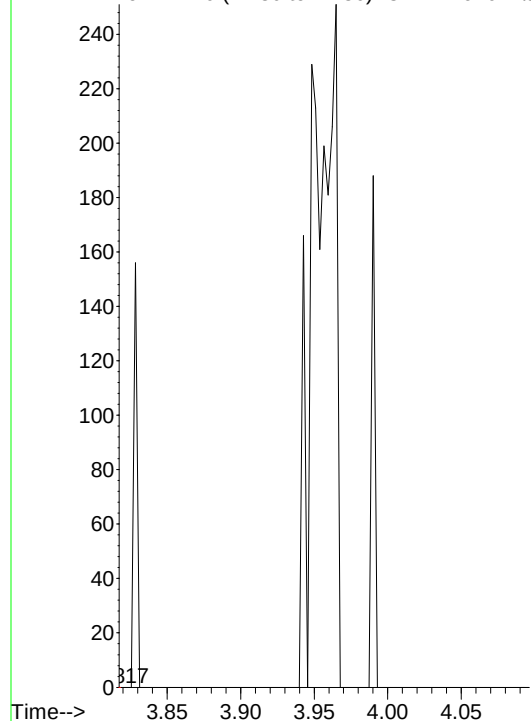


Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21910.D
Acq On : 8 Aug 2022 10:45 am
Operator :
Sample : 8260STD 0.4PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:14:45 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration
TETRAHYDROFURAN

Abundance Ion 42.10 (41.80 to 42.80): C22V21910.D



Original Int. Results

RT : 0.00
Area : 0
Amount: 0

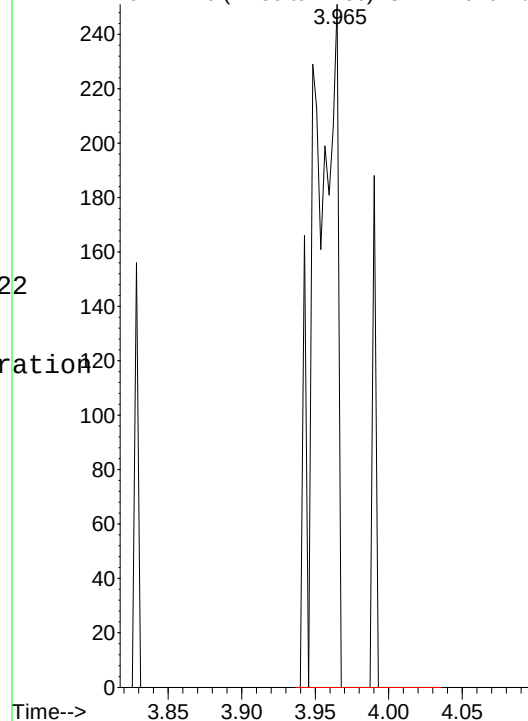
Manual Int. Results

Mon Aug 08 12:13:05 2022

MIuser: EEH
Reason: Incoret Integration
RT : 3.96
Area : 300
Amount: 0.229083

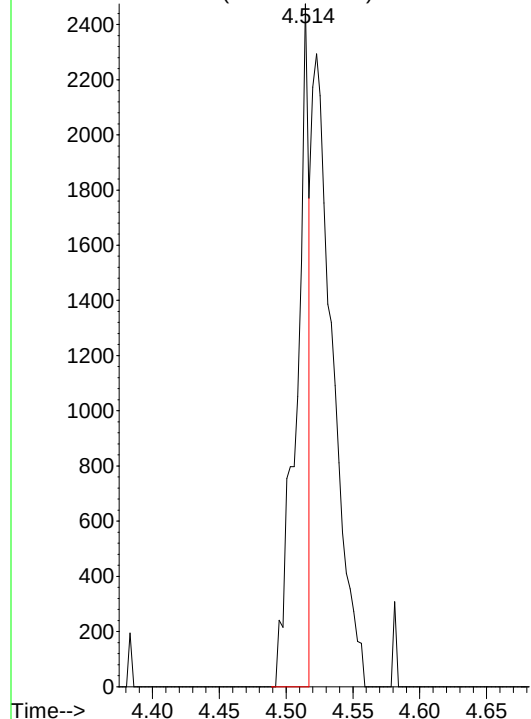
Manual Integration
TETRAHYDROFURAN

Abundance Ion 42.10 (41.80 to 42.80): C22V21910.D



Original Integration
BENZENE

Abundance Ion 78.00 (77.70 to 78.70): C22V21910.D



Original Int. Results

RT : 4.51
Area : 1613
Amount: 0.143975

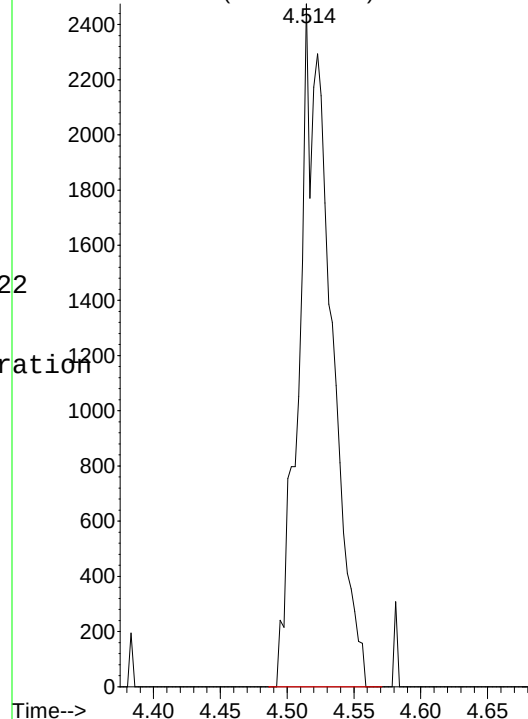
Manual Int. Results

Mon Aug 08 12:13:11 2022

MIuser: EEH
Reason: Incoret Integration
RT : 4.51
Area : 4104
Amount: 0.366318

Manual Integration
BENZENE

Abundance Ion 78.00 (77.70 to 78.70): C22V21910.D



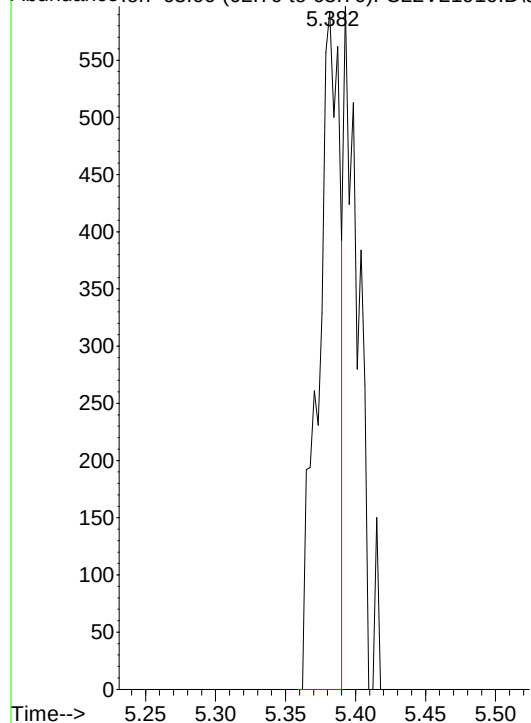
Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21910.D
Acq On : 8 Aug 2022 10:45 am
Operator :
Sample : 8260STD 0.4PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:14:45 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration

1,2-DICHLOROPROPANE

Abundance on 63.00 (62.70 to 63.70): C22V21910.Did



Original Int. Results

RT : 5.38
Area : 637
Amount: 0.208613

Manual Int. Results

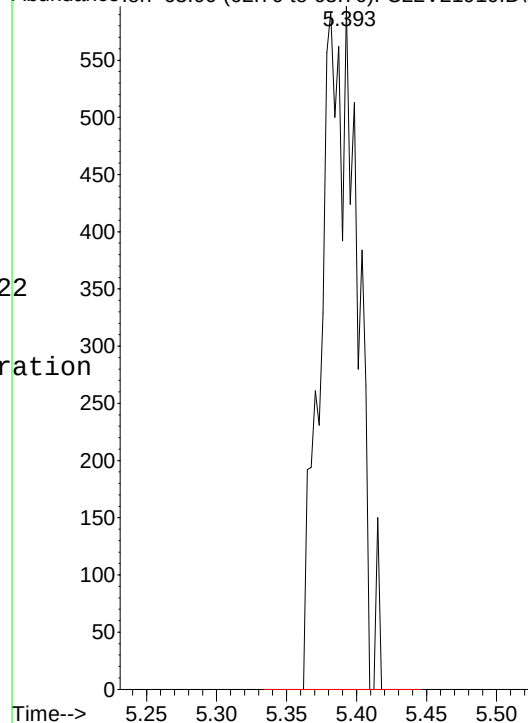
Mon Aug 08 12:13:17 2022

MIuser: EEH
Reason: Incoret Integration
RT : 5.39
Area : 1075
Amount: 0.352055

Manual Integration

1,2-DICHLOROPROPANE

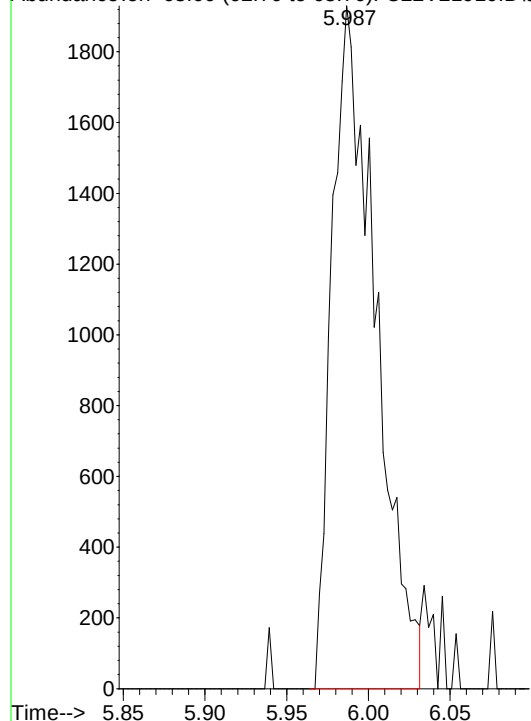
Abundance on 63.00 (62.70 to 63.70): C22V21910.Did



Original Integration

2-CHLOROETHYL VINYLETHER

Abundance on 63.00 (62.70 to 63.70): C22V21910.Did



Original Int. Results

RT : 5.99
Area : 3594
Amount: 2.40983

Manual Int. Results

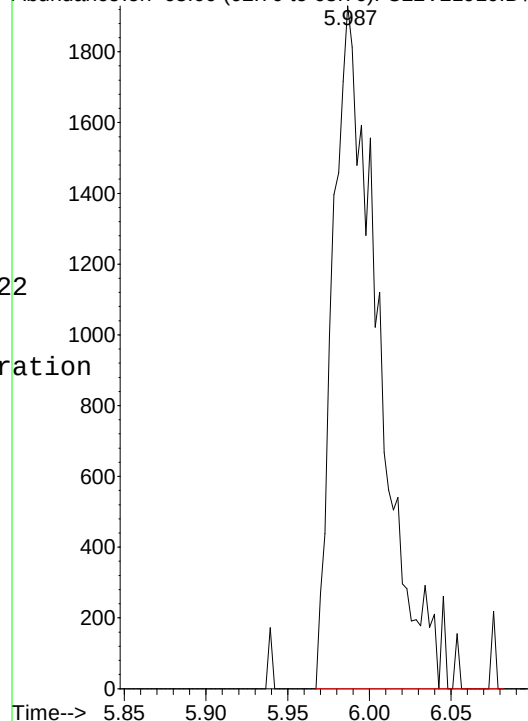
Mon Aug 08 12:13:26 2022

MIuser: EEH
Reason: Incoret Integration
RT : 5.99
Area : 3813
Amount: 2.55667

Manual Integration

2-CHLOROETHYL VINYLETHER

Abundance on 63.00 (62.70 to 63.70): C22V21910.Did

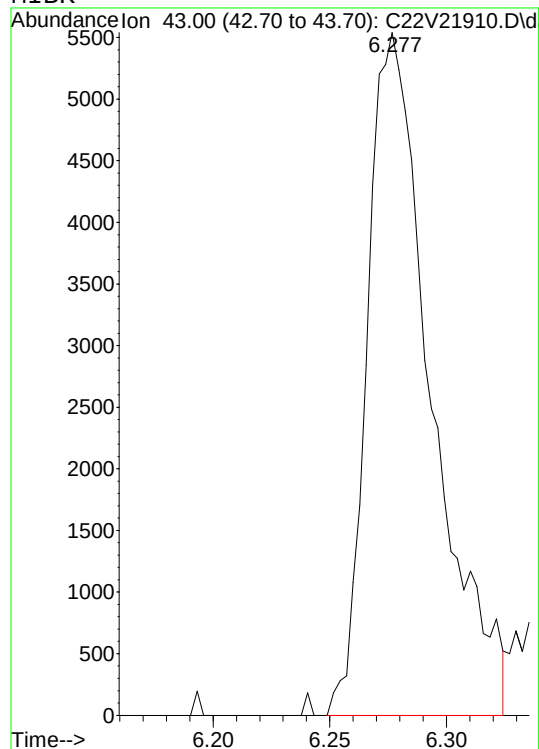


Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21910.D
Acq On : 8 Aug 2022 10:45 am
Operator :
Sample : 8260STD 0.4PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:14:45 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration

MIBK



Original Int. Results

RT : 6.28
Area : 10540
Amount: 2.34447

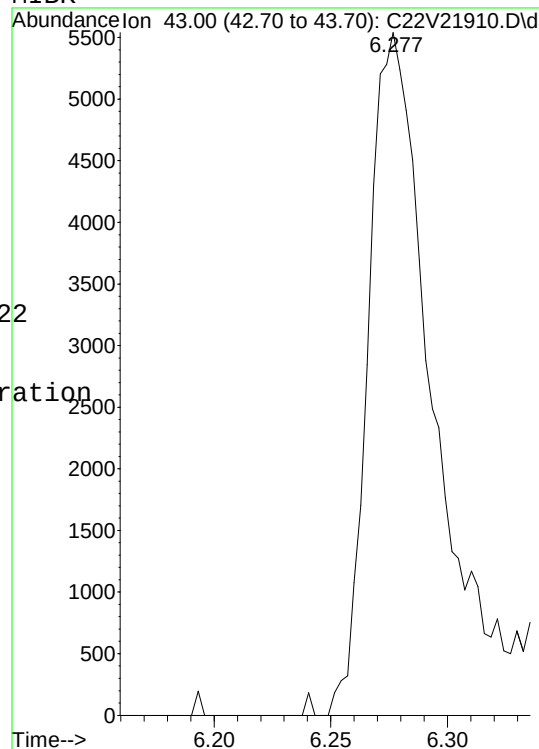
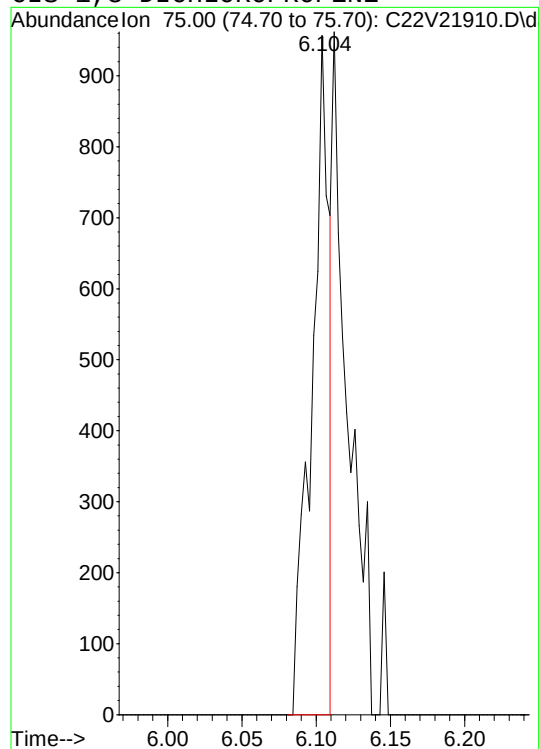
Manual Int. Results

Mon Aug 08 12:13:31 2022

MIuser: EEH
Reason: Incoret Integration
RT : 6.28
Area : 13328
Amount: 2.96462

Manual Integration

MIBK

Original Integration
CIS-1,3-DICHLOROPROPENE

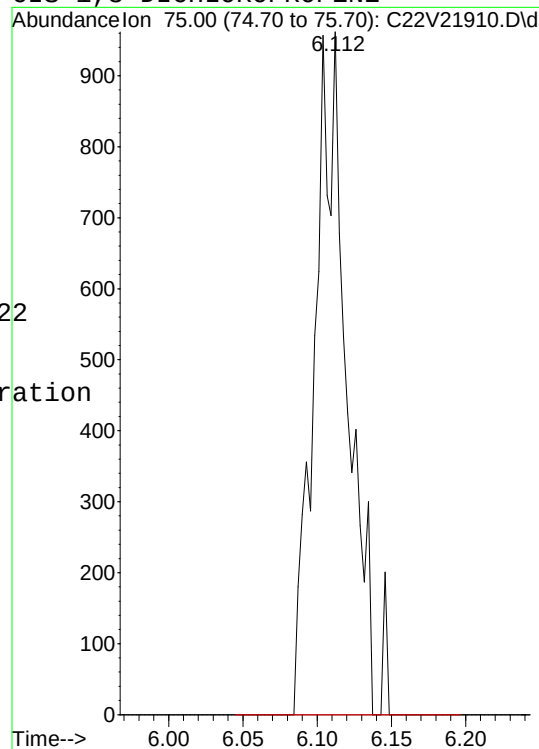
Original Int. Results

RT : 6.10
Area : 779
Amount: 0.167276

Manual Int. Results

Mon Aug 08 12:13:34 2022

MIuser: EEH
Reason: Incoret Integration
RT : 6.11
Area : 1497
Amount: 0.321454

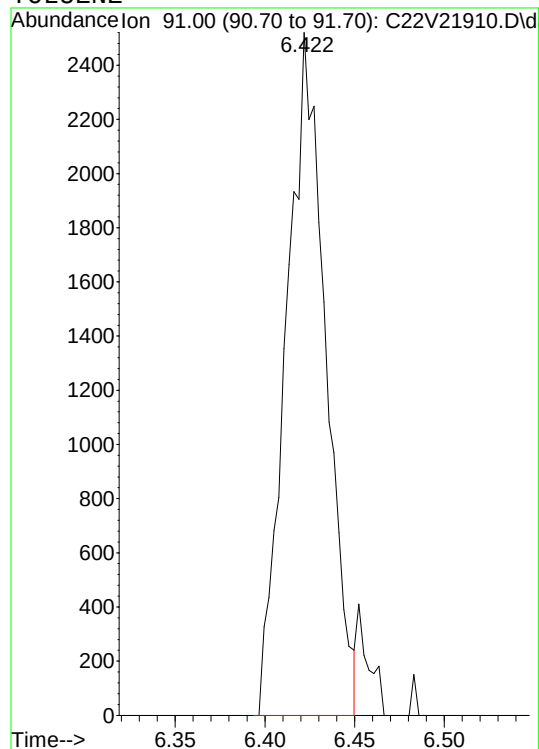
Manual Integration
CIS-1,3-DICHLOROPROPENE

Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21910.D
Acq On : 8 Aug 2022 10:45 am
Operator :
Sample : 8260STD 0.4PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:14:45 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration

TOLUENE



Original Int. Results

RT : 6.42
Area : 3854
Amount: 0.344261

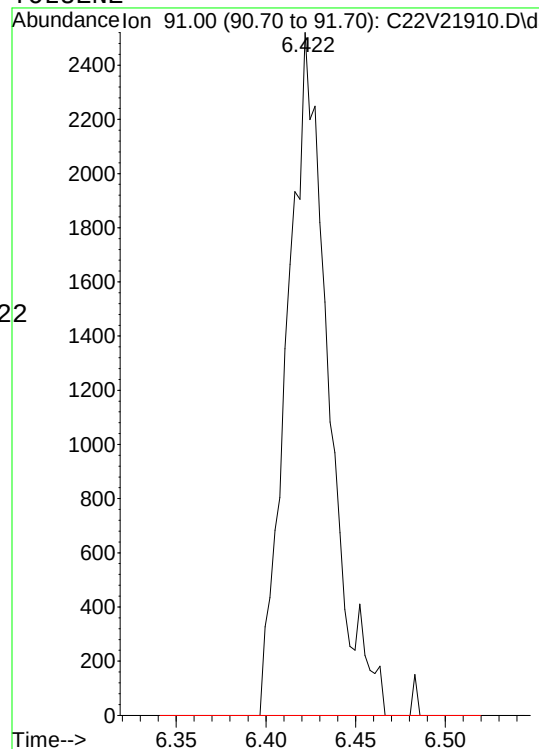
Manual Int. Results

Mon Aug 08 12:13:36 2022

MIuser: EEH
Reason: Other
RT : 6.42
Area : 4069
Amount: 0.363466

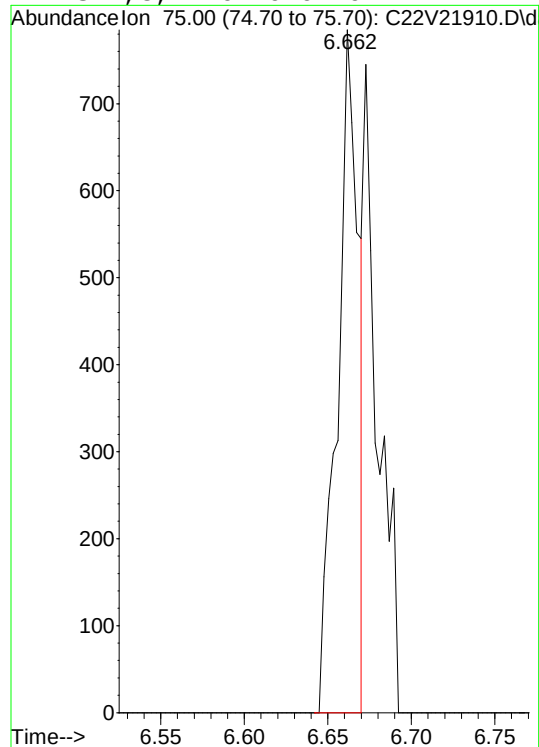
Manual Integration

TOLUENE



Original Integration

TRANS-1,3,-DICHLOROPROPENE



Original Int. Results

RT : 6.66
Area : 687
Amount: 0.163189

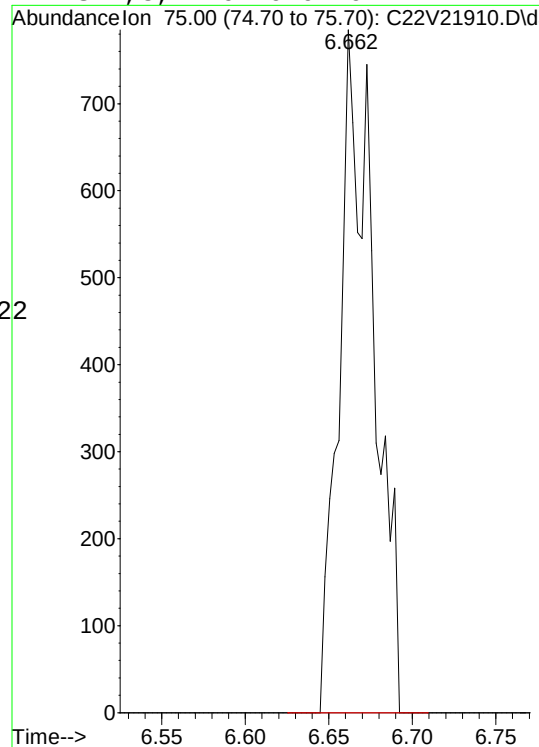
Manual Int. Results

Mon Aug 08 12:13:39 2022

MIuser: EEH
Reason: Other
RT : 6.66
Area : 1127
Amount: 0.267706

Manual Integration

TRANS-1,3,-DICHLOROPROPENE

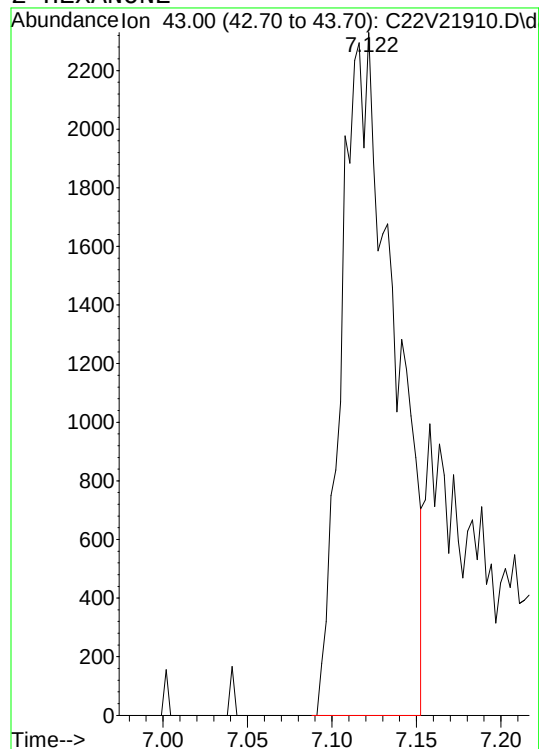


Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21910.D
Acq On : 8 Aug 2022 10:45 am
Operator :
Sample : 8260STD 0.4PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:14:45 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration

2-HEXANONE



Original Int. Results

RT : 7.12
Area : 5047
Amount: 1.56305

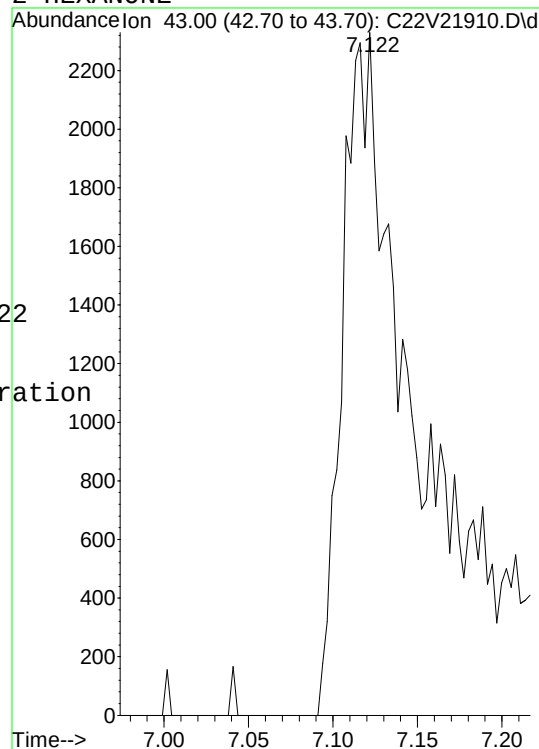
Manual Int. Results

Mon Aug 08 12:13:46 2022

MIuser: EEH
Reason: Incoret Integration
RT : 7.12
Area : 8733
Amount: 2.7046

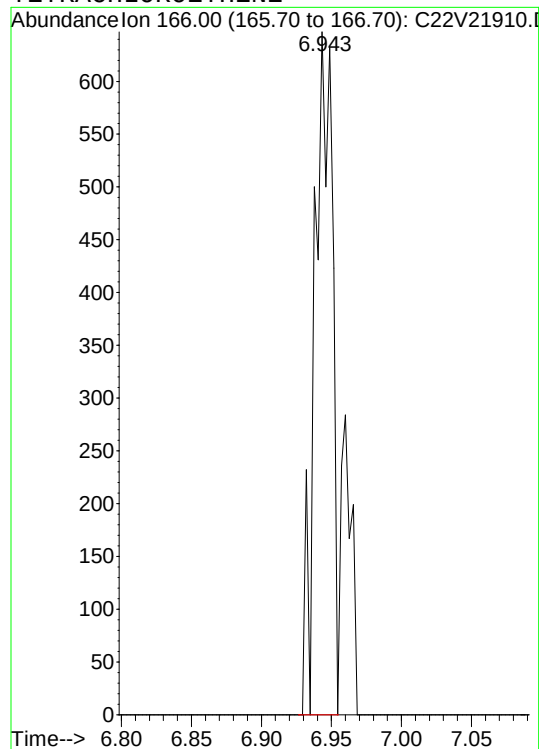
Manual Integration

2-HEXANONE



Original Integration

TETRACHLOROETHENE



Original Int. Results

RT : 6.94
Area : 563
Amount: 0.217238

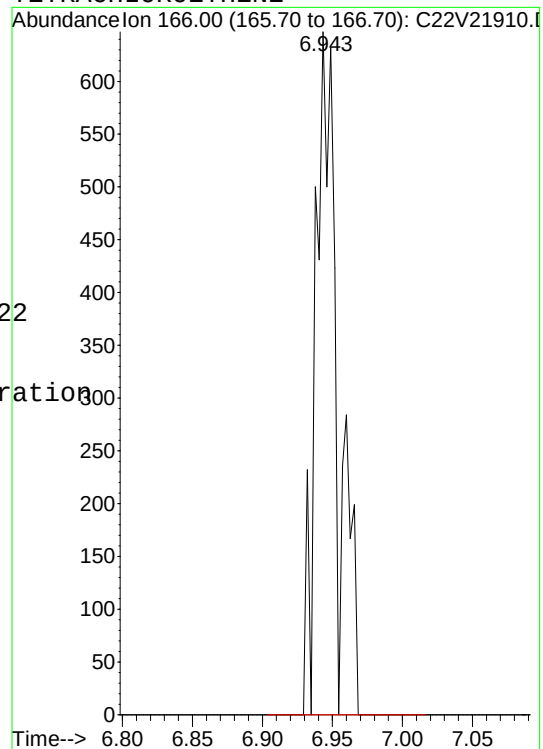
Manual Int. Results

Mon Aug 08 12:13:49 2022

MIuser: EEH
Reason: Incoret Integration
RT : 6.94
Area : 711
Amount: 0.274346

Manual Integration

TETRACHLOROETHENE



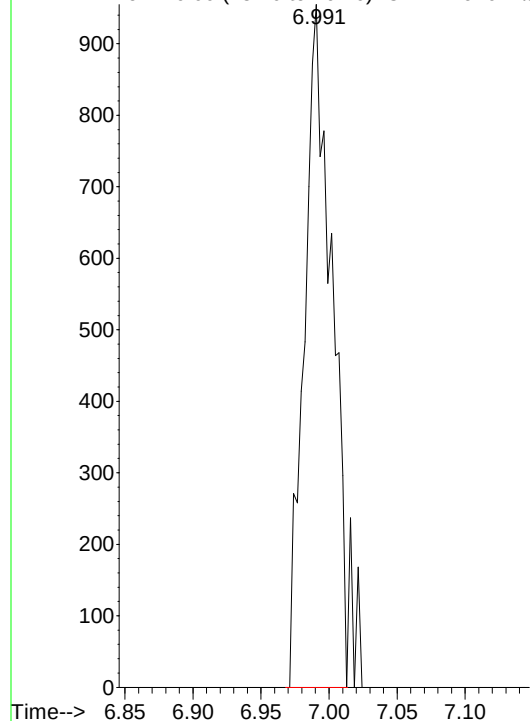
Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21910.D
Acq On : 8 Aug 2022 10:45 am
Operator :
Sample : 8260STD 0.4PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:14:45 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration

1,3-DICHLOROPROPANE

Abundance on 76.00 (75.70 to 76.70): C22V21910.Did



Original Int. Results

RT : 6.99
Area : 1322
Amount: 0.269115

Manual Int. Results

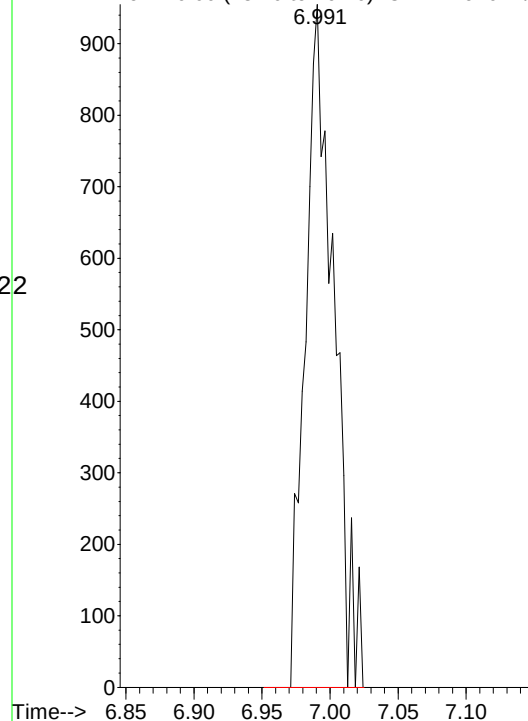
Mon Aug 08 12:13:51 2022

MIuser: EEH
Reason: Other
RT : 6.99
Area : 1390
Amount: 0.282957

Manual Integration

1,3-DICHLOROPROPANE

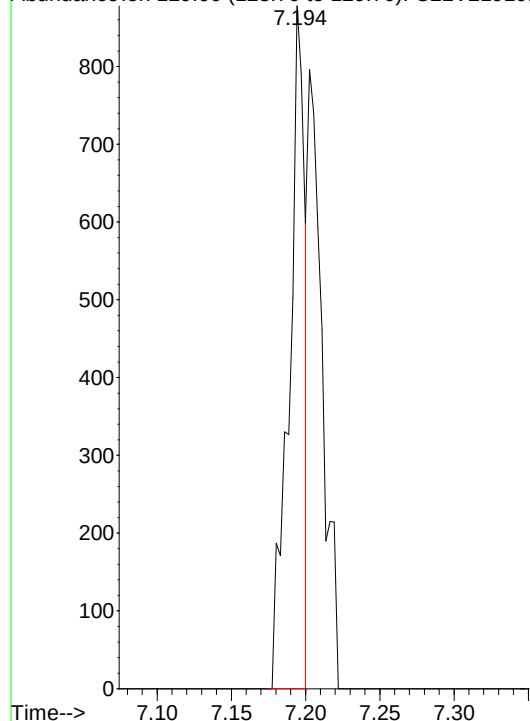
Abundance on 76.00 (75.70 to 76.70): C22V21910.Did



Original Integration

DIBROMOCHLOROMETHANE

Abundance on 129.00 (128.70 to 129.70): C22V21910.Did



Original Int. Results

RT : 7.19
Area : 633
Amount: 0.208798

Manual Int. Results

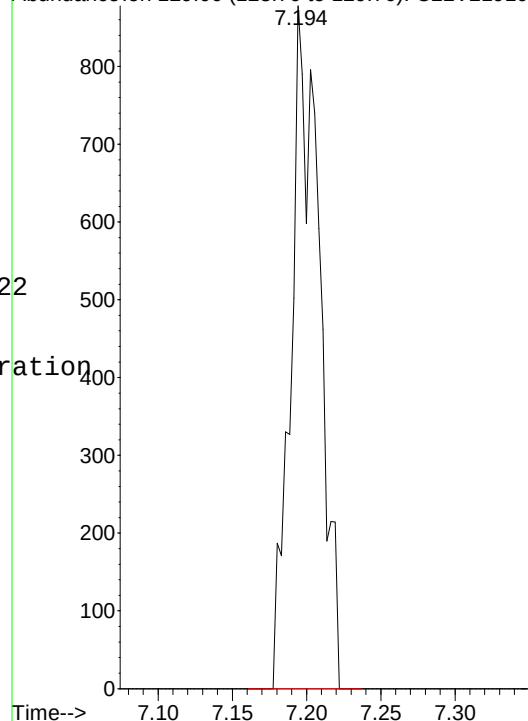
Mon Aug 08 12:13:54 2022

MIuser: EEH
Reason: Incoret Integration
RT : 7.19
Area : 1170
Amount: 0.38593

Manual Integration

DIBROMOCHLOROMETHANE

Abundance on 129.00 (128.70 to 129.70): C22V21910.Did



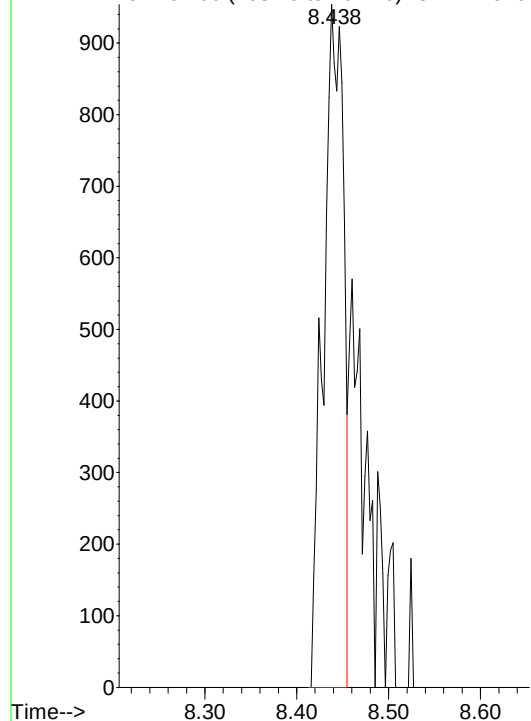
Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21910.D
Acq On : 8 Aug 2022 10:45 am
Operator :
Sample : 8260STD 0.4PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:14:45 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration

STYRENE

Abundance Ion 104.00 (103.70 to 104.70): C22V21910.D



Original Int. Results

RT : 8.44
Area : 1458
Amount: 0.192486

Manual Int. Results

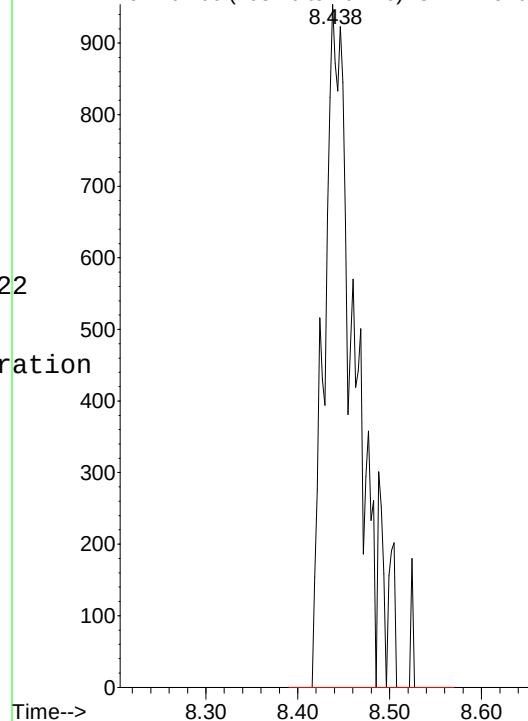
Mon Aug 08 12:14:02 2022

MIuser: EEH
Reason: Incoret Integration
RT : 8.44
Area : 2326
Amount: 0.307079

Manual Integration

STYRENE

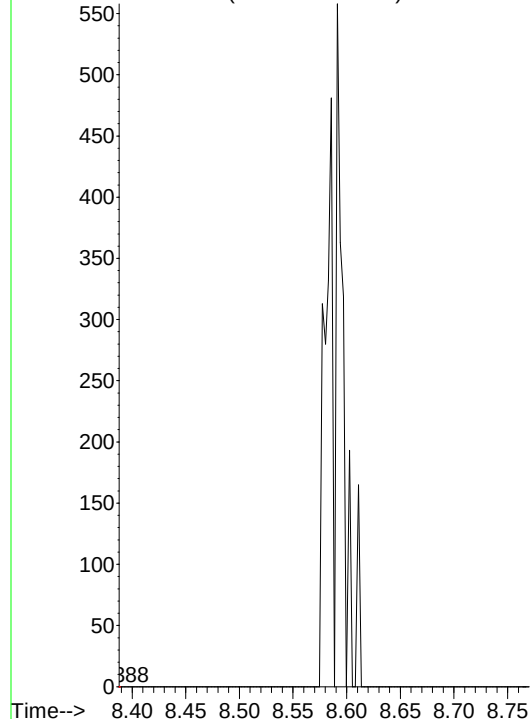
Abundance Ion 104.00 (103.70 to 104.70): C22V21910.D



Original Integration

BROMOFORM

Abundance Ion 173.00 (172.70 to 173.70): C22V21910.D



Original Int. Results

RT : 0.00
Area : 0
Amount: 0

Manual Int. Results

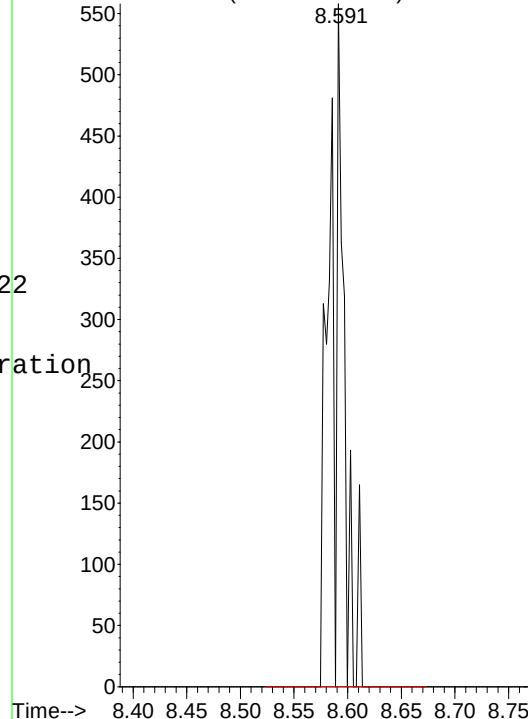
Mon Aug 08 12:14:05 2022

MIuser: EEH
Reason: Incoret Integration
RT : 8.59
Area : 503
Amount: 0.228768

Manual Integration

BROMOFORM

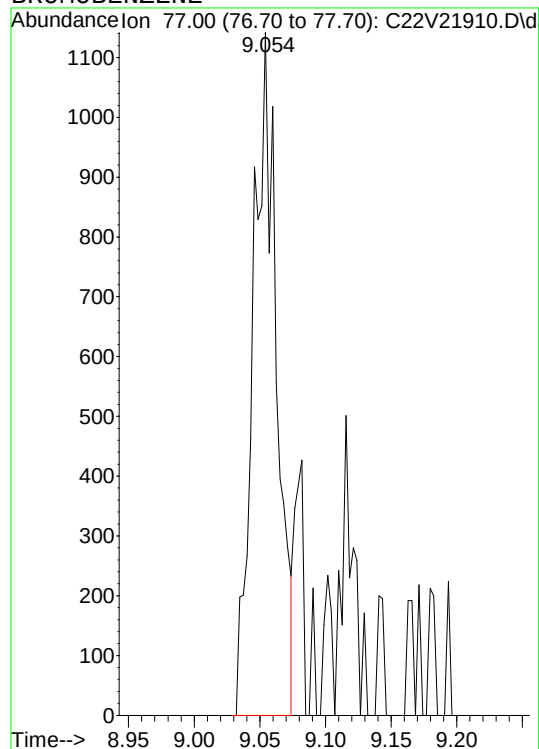
Abundance Ion 173.00 (172.70 to 173.70): C22V21910.D



Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21910.D
Acq On : 8 Aug 2022 10:45 am
Operator :
Sample : 8260STD 0.4PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:14:45 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration
BROMOBENZENE



Original Int. Results

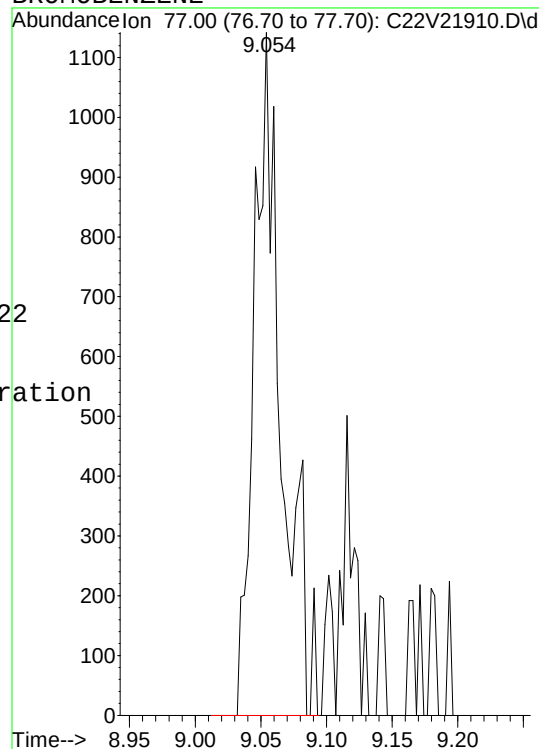
RT : 9.05
Area : 1419
Amount: 0.284194

Manual Int. Results

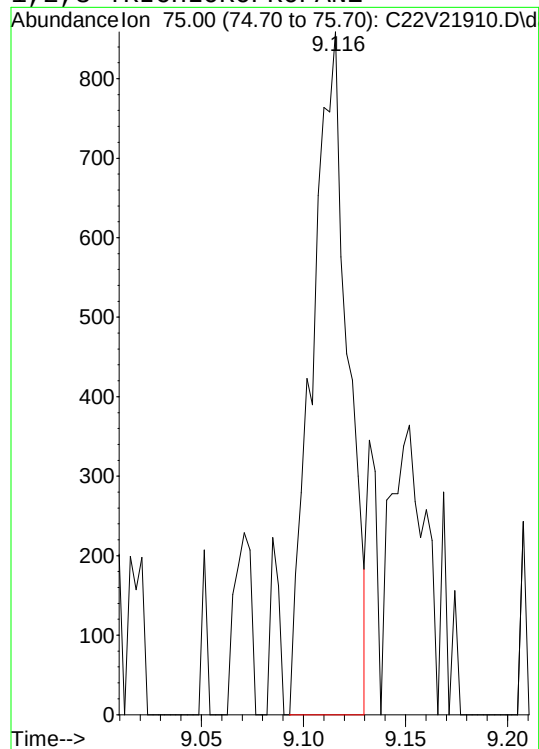
Mon Aug 08 12:14:11 2022

MIuser: EEH
Reason: Incoret Integration
RT : 9.05
Area : 1649
Amount: 0.330258

Manual Integration
BROMOBENZENE



Original Integration
1,2,3-TRICHLOROPROPANE



Original Int. Results

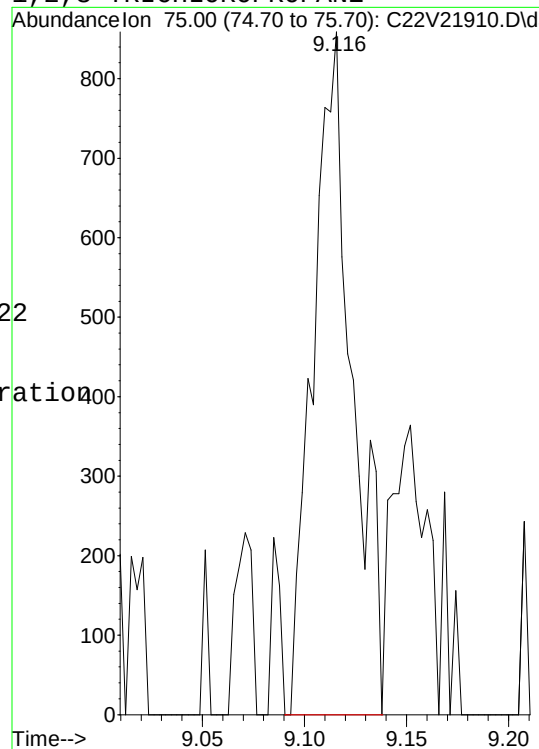
RT : 9.12
Area : 1043
Amount: 0.301014

Manual Int. Results

Mon Aug 08 12:14:18 2022

MIuser: EEH
Reason: Incoret Integration
RT : 9.12
Area : 1153
Amount: 0.33276

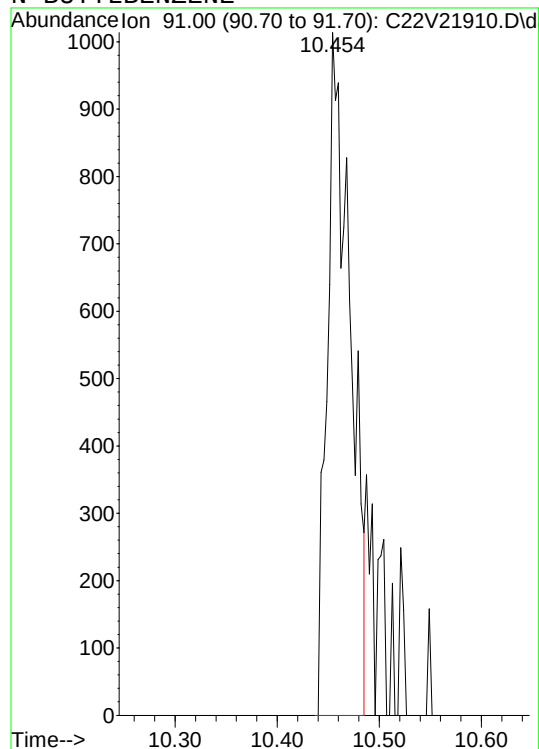
Manual Integration
1,2,3-TRICHLOROPROPANE



Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21910.D
Acq On : 8 Aug 2022 10:45 am
Operator :
Sample : 8260STD 0.4PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:14:45 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration
N-BUTYLBENZENE



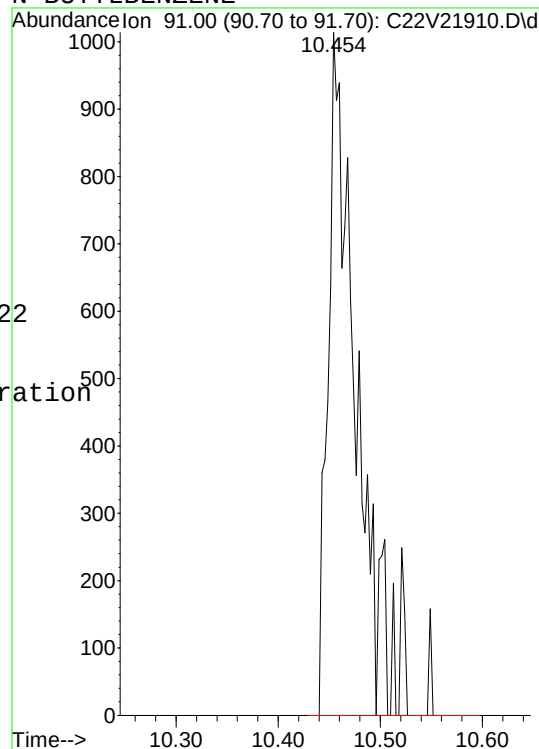
Original Int. Results

RT : 10.45
Area : 1592
Amount: 0.201569

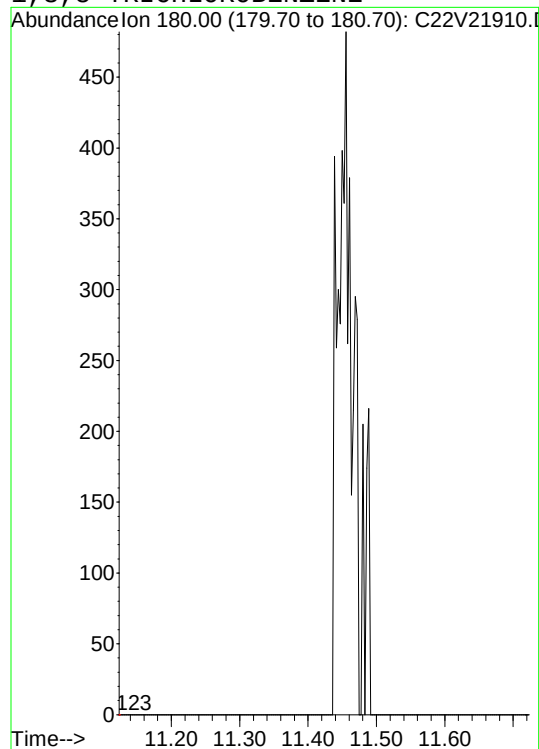
Manual Int. Results

Mon Aug 08 12:14:31 2022
MIuser: EEH
Reason: Incoret Integration
RT : 10.45
Area : 1989
Amount: 0.251835

Manual Integration
N-BUTYLBENZENE



Original Integration
1,3,5-TRICHLOROBENZENE



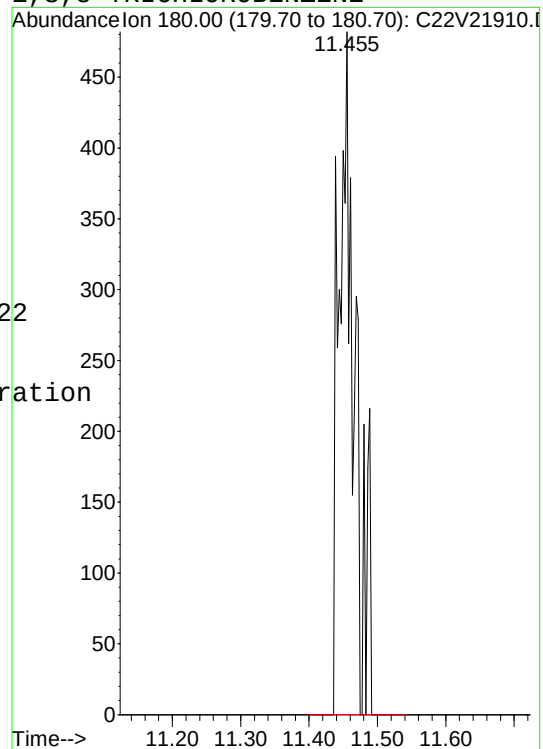
Original Int. Results

RT : 0.00
Area : 0
Amount: 0

Manual Int. Results

Mon Aug 08 12:14:35 2022
MIuser: EEH
Reason: Incoret Integration
RT : 11.46
Area : 778
Amount: 0.213545

Manual Integration
1,3,5-TRICHLOROBENZENE

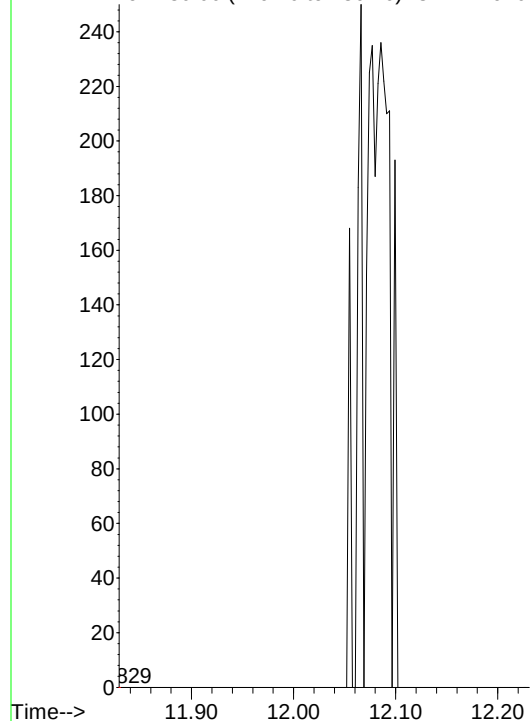


Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21910.D
Acq On : 8 Aug 2022 10:45 am
Operator :
Sample : 8260STD 0.4PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:14:45 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration
1,2,4-TRICHLOROBENZENE

Abundance on 180.00 (179.70 to 180.70): C22V21910.D



Original Int. Results

RT : 0.00
Area : 0
Amount: 0

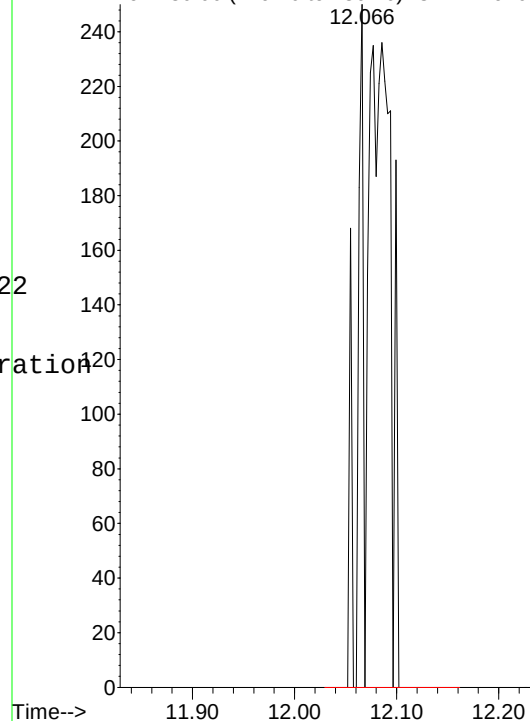
Manual Int. Results

Mon Aug 08 12:14:37 2022

MIuser: EEH
Reason: Incoret Integration
RT : 12.07
Area : 450
Amount: 0.131131

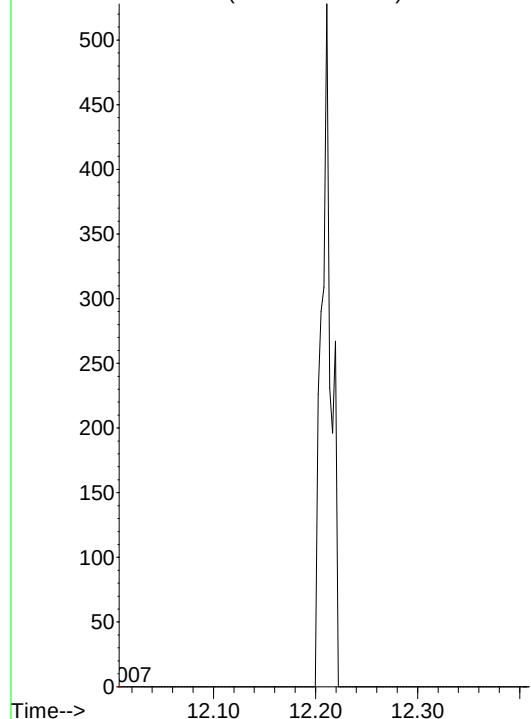
Manual Integration
1,2,4-TRICHLOROBENZENE

Abundance on 180.00 (179.70 to 180.70): C22V21910.D



Original Integration
HEXACHLOROBUTADIENE

Abundance on 225.00 (224.70 to 225.70): C22V21910.D



Original Int. Results

RT : 0.00
Area : 0
Amount: 0

Manual Int. Results

Mon Aug 08 12:14:40 2022

MIuser: EEH
Reason: Incoret Integration
RT : 12.21
Area : 343
Amount: 0.262458

Manual Integration
HEXACHLOROBUTADIENE

Abundance on 225.00 (224.70 to 225.70): C22V21910.D



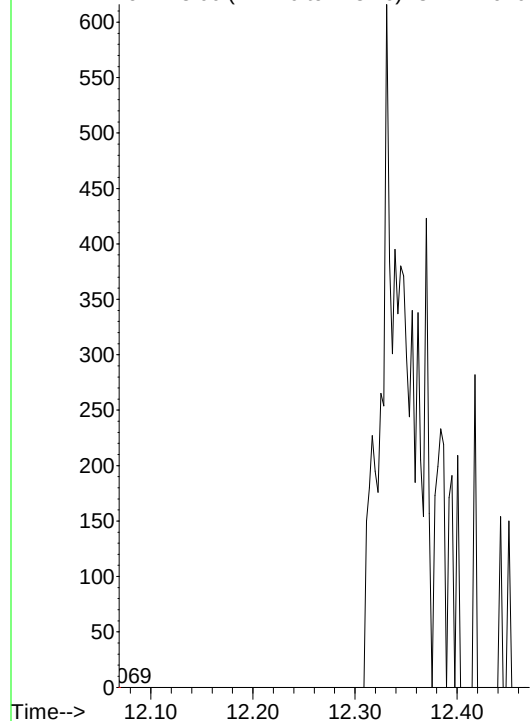
Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21910.D
Acq On : 8 Aug 2022 10:45 am
Operator :
Sample : 8260STD 0.4PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:14:45 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration

NAPHTHALENE

Abundance on 128.00 (127.70 to 128.70): C22V21910.D



Original Int. Results

RT : 0.00
Area : 0
Amount: 0

Manual Int. Results

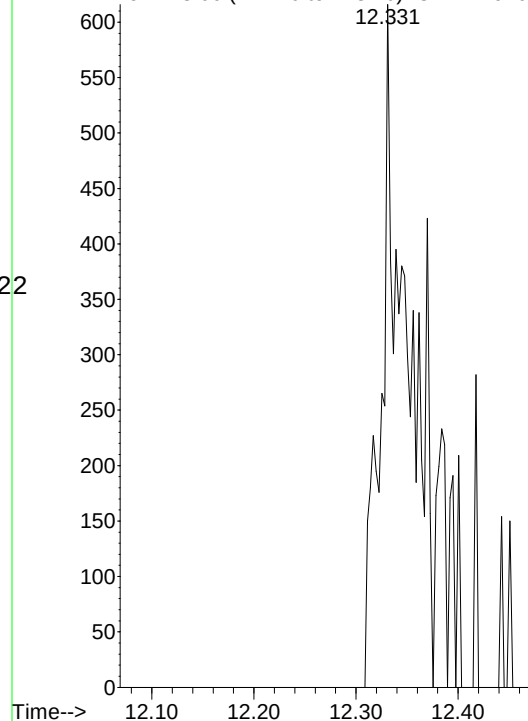
Mon Aug 08 12:14:43 2022

MIuser: EEH
Reason: Other
RT : 12.33
Area : 1432
Amount: 0.139595

Manual Integration

NAPHTHALENE

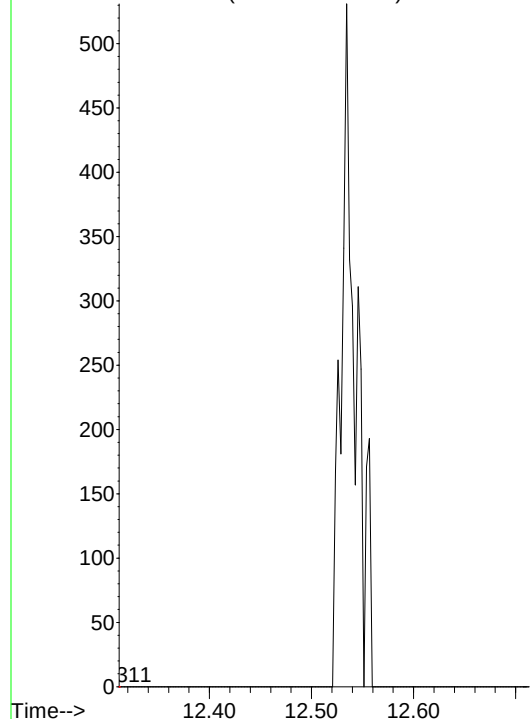
Abundance on 128.00 (127.70 to 128.70): C22V21910.D



Original Integration

1,2,3-TRICHLOROBENZENE

Abundance on 180.00 (179.70 to 180.70): C22V21910.D



Original Int. Results

RT : 0.00
Area : 0
Amount: 0

Manual Int. Results

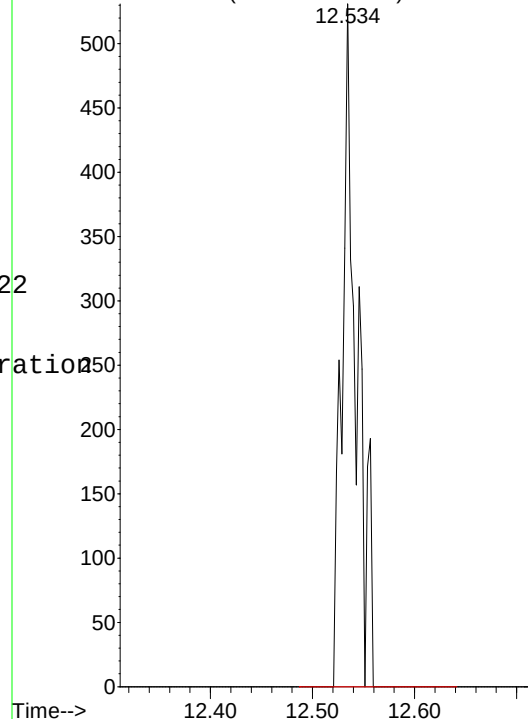
Mon Aug 08 12:14:45 2022

MIuser: EEH
Reason: Incorrect Integration
RT : 12.53
Area : 532
Amount: 0.156079

Manual Integration

1,2,3-TRICHLOROBENZENE

Abundance on 180.00 (179.70 to 180.70): C22V21910.D



Data Path : C:\msdchem\1\data\C080822\
 Data File : C22V21911.D
 Acq On : 8 Aug 2022 11:09 am
 Operator :
 Sample : 8260STD 0.5PPB 2206105
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Inst : GCMSVOA3

Quant Time: Aug 08 12:17:29 2022
 Quant Method : C:\msdchem\1\methods\C051619.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Mon Aug 08 11:15:01 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) PENTAFLUOROBENZENE - ISTD	4.194	168	193591	30.00	UG/L	0.00
48) 1,4-DIFLUOROBENZENE - ...	4.916	114	284959	30.00	UG/L	0.00
70) CHLOROBENZENE-D5 ISTD	7.752	82	139363	30.00	UG/L	0.00
89) 1,4-DICHLOROBENZENE-D4...	10.047	152	134791	30.00	UG/L	# 0.00
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4 SS	4.467	65	91408	25.10	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	100.40%	
49) TOLUENE SS	6.352	98	281602	24.78	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	99.12%	
71) 4-BROMOFLUOROBENZENE SS	8.909	95	103051	24.93	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	99.72%	
Target Compounds						
						Qvalue
3) DICHLORODIFLUOROMETHANE	1.087	85	1080	0.34	UG/L	# 43
4) DIFLUOROCHLOROMETHANE	1.093	51	1615	0.43	UG/L	# 100
5) CHLOROMETHANE	1.196	50	2636	0.63	UG/L	# 31
6) VINYL CHLORIDE	1.263	62	1381	0.41	UG/L	# 33
7) BROMOMETHANE	1.455	94	1549	0.84	UG/L	97
8) CHLOROETHANE	1.522	64	1108m	0.60	UG/L	
9) FLUORODICHLOROMETHANE	1.636	67	2311	0.45	UG/L	98
10) TRICHLOROFLUOROMETHANE	1.678	101	1606	0.43	UG/L	91
12) DI ETHYL ETHER	1.868	59	934	0.39	UG/L	92
13) ACROLEIN	1.957	56	2478	3.11	UG/L	92
14) ACETONE	2.066	43	5960	4.91	UG/L	98
15) 1,1-DICHLOROETHENE	2.030	61	1856	0.50	UG/L	91
16) 1,1,2-TRICL-1,2,2-TRIF...	2.024	101	911	0.44	UG/L	# 3
17) IODOMETHANE	2.141	142	10406	3.39	UG/L	99
20) METHYL ACETATE	2.325	43	2205	0.59	UG/L	# 64
21) T-BUTYL ALCOHOL	2.504	59	1955	4.19	UG/L	# 53
22) ACRYLONITRILE	2.626	53	559	0.35	UG/L	# 10
23) METHYLENE CHLORIDE	2.398	49	1893	0.48	UG/L	98
24) CARBON DISULFIDE	2.194	76	33803	4.68	UG/L	98
25) METHYL TERT-BUTYL ETHE...	2.640	73	4099	0.48	UG/L	# 50
26) TRANS 1,2-DICHLOROETHENE	2.632	61	1890	0.49	UG/L	92
27) 1,1-DICHLOROETHANE	3.047	63	2356m	0.45	UG/L	
28) VINYL ACETATE	3.117	43	33238	3.33	UG/L	99
29) DI ISOPROYL ETHER	3.134	45	4335	0.39	UG/L	# 52
31) 2-BUTANONE	3.692	43	6325	2.90	UG/L	# 98
32) T-BUTYL ETHYL ETHER	3.505	59	3792m	0.40	UG/L	
33) CIS-1,2-DICHLOROETHENE	3.641	61	1809	0.40	UG/L	# 69
34) 2,2-DICHLOROPROPANE	3.633	77	1715	0.44	UG/L	# 47
35) ETHYL ACETATE	3.773	43	2120m	0.48	UG/L	
38) BROMOCHLOROMETHANE	3.887	49	1046	0.39	UG/L	93
39) TETRAHYDROFURAN	3.957	42	308m	0.24	UG/L	
40) CHLOROFORM	3.979	83	2108	0.44	UG/L	97
41) 1,1,1-TRICHLOROETHANE	4.141	97	1777	0.46	UG/L	# 44
42) CYCLOHEXANE	4.191	56	5137	1.13	UG/L	# 43
43) CARBON TETRACHLORIDE	4.308	117	1323m	0.41	UG/L	
44) 1,1-DICHLOROPROPENE	4.314	75	1282	0.36	UG/L	# 39
45) BENZENE	4.514	78	4790	0.43	UG/L	# 87
47) T-AMYL METHYL ETHER	4.657	73	3440	0.41	UG/L	# 89
50) 1,2-DICHLOROETHANE	4.548	62	1668	0.43	UG/L	# 74
51) TRICHLOROETHENE	5.161	95	1003	0.40	UG/L	# 71
52) METHYLCYCLOHEXANE	5.343	83	1100	0.32	UG/L	# 60
53) 1,2-DICHLOROPROPANE	5.393	63	1156m	0.38	UG/L	
54) DIBROMOMETHANE	5.499	93	780	0.42	UG/L	# 83

Data Path : C:\msdchem\1\data\C080822\
 Data File : C22V21911.D
 Acq On : 8 Aug 2022 11:09 am
 Operator :
 Sample : 8260STD 0.5PPB 2206105
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Inst : GCMSVOA3

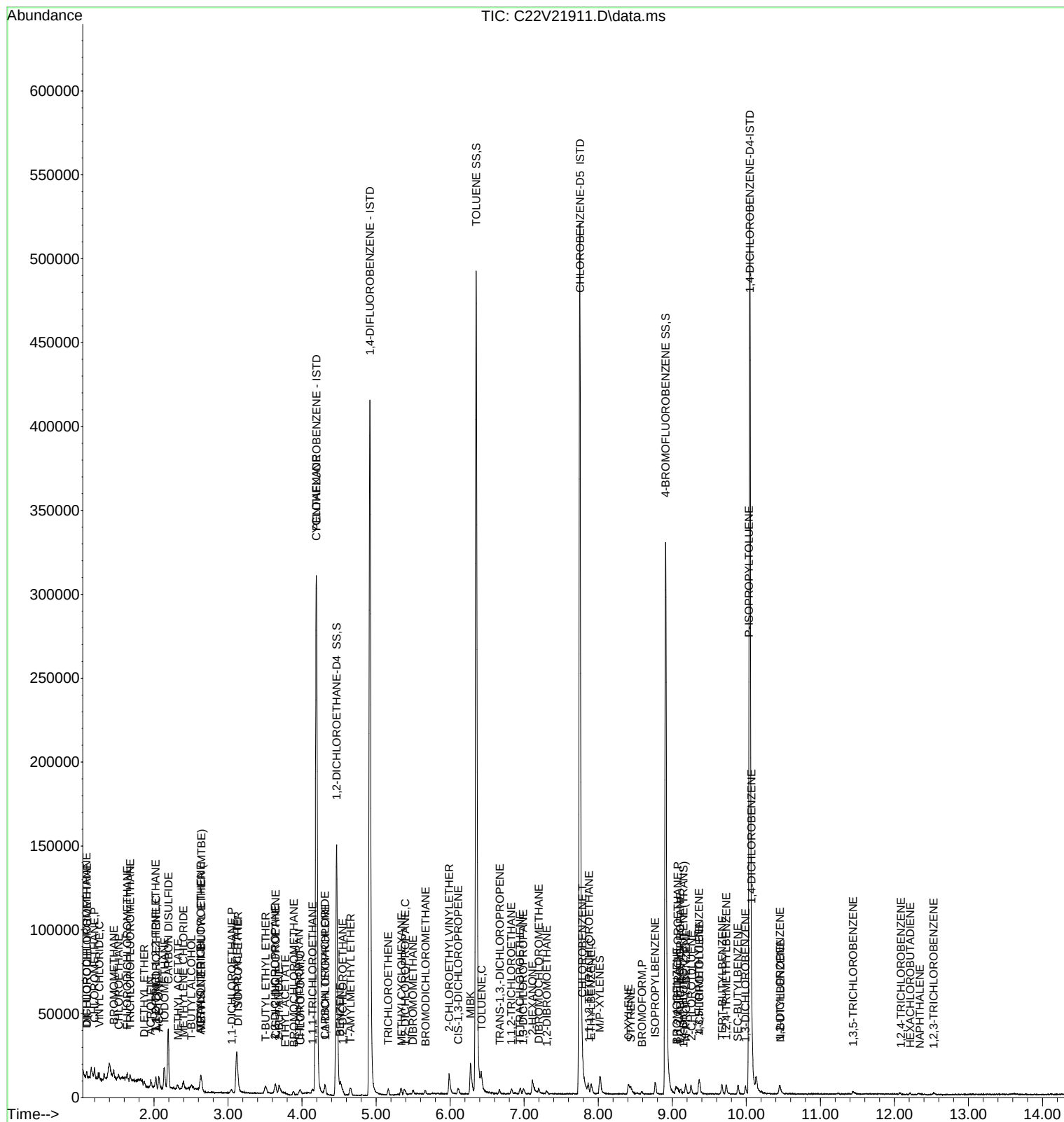
Quant Time: Aug 08 12:17:29 2022
 Quant Method : C:\msdchem\1\methods\C051619.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Mon Aug 08 11:15:01 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
57) BROMODICHLOROMETHANE	5.666	83	1427	0.40	UG/L	# 72
58) 2-CHLOROETHYL VINYLETHYLE	5.984	63	4889m	3.33	UG/L	
59) MIBK	6.274	43	16105m	3.64	UG/L	
60) CIS-1,3-DICHLOROPROPENE	6.109	75	1759	0.38	UG/L	# 51
61) TOLUENE	6.425	91	4999	0.45	UG/L	97
62) TRANS-1,3,-DICHLOROPRO...	6.670	75	1506	0.36	UG/L	# 48
64) 1,1,2-TRICHLOROETHANE	6.823	97	968	0.37	UG/L	# 15
65) 2-HEXANONE	7.111	43	10150m	3.20	UG/L	
66) TETRACHLOROETHENE	6.943	166	1038	0.41	UG/L	# 69
67) 1,3-DICHLOROPROPANE	6.985	76	1894	0.39	UG/L	# 43
68) DIBROMOCHLOROMETHANE	7.197	129	1242	0.42	UG/L	98
69) 1,2-DIBROMOETHANE	7.303	107	949	0.33	UG/L	89
72) CHLOROBENZENE	7.785	112	3019	0.44	UG/L	# 87
73) 1,1,1,2-TETRACHLOROETHANE	7.875	131	1083	0.44	UG/L	# 59
74) ETHYLBENZENE	7.902	91	4578	0.39	UG/L	94
75) M/P-XYLENES	8.020	91	7493	0.84	UG/L	98
76) O-XYLENE	8.407	91	3769	0.41	UG/L	98
77) STYRENE	8.441	104	3065m	0.41	UG/L	
78) BROMOFORM	8.591	173	743	0.34	UG/L	# 36
79) ISOPROPYLBENZENE	8.767	105	4324	0.40	UG/L	# 72
81) 1,1,2,2-TETRACHLOROETHANE	9.074	83	1590m	0.39	UG/L	
82) 1,4-DICHLORO-2-BUTENE(...	9.152	53	320m	0.31	UG/L	
83) BROMOBENZENE	9.060	77	2122	0.43	UG/L	# 79
84) 1,2,3-TRICHLOROPROPANE	9.107	75	1858m	0.55	UG/L	
85) N-PROPYLBENZENE	9.185	91	4819	0.38	UG/L	97
86) 2-CHLOROTOLUENE	9.258	91	3574	0.45	UG/L	89
87) 1,3,5-TRIMETHYLBENZENE	9.361	105	3543	0.40	UG/L	# 62
88) 4-CHLOROTOLUENE	9.367	91	3327	0.37	UG/L	97
90) TERT-BUTYLBENZENE	9.673	119	2967	0.41	UG/L	88
91) 1,2,4-TRIMETHYLBENZENE	9.729	105	3726	0.41	UG/L	93
92) SEC-BUTYLBENZENE	9.885	105	3802	0.37	UG/L	92
93) 1,3-DICHLOROBENZENE	9.988	146	2154	0.40	UG/L	# 75
94) P-ISOPROPYLTOLUENE	10.036	119	3396	0.38	UG/L	# 76
95) 1,4-DICHLOROBENZENE	10.069	146	2449	0.43	UG/L	# 70
97) N-BUTYLBENZENE	10.460	91	2413m	0.30	UG/L	
98) 1,2-DICHLOROBENZENE	10.454	146	2164	0.40	UG/L	# 90
100) 1,3,5-TRICHLOROBENZENE	11.441	180	986m	0.27	UG/L	
101) 1,2,4-TRICHLOROBENZENE	12.088	180	644m	0.19	UG/L	
102) HEXACHLOROBUTADIENE	12.214	225	392m	0.30	UG/L	
103) NAPHTHALENE	12.342	128	2023m	0.20	UG/L	
104) 1,2,3-TRICHLOROBENZENE	12.532	180	743m	0.22	UG/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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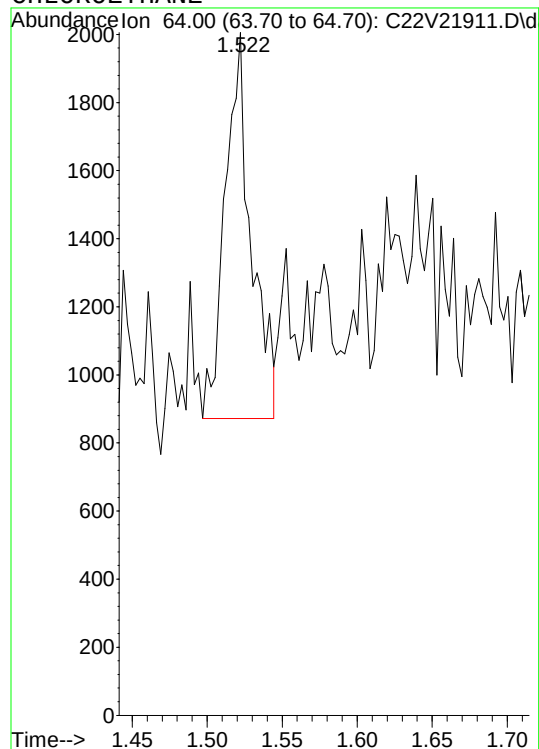
Quant Time: Aug 08 12:17:29 2022
Quant Method : C:\msdchem\1\methods\C051619.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
QLast Update : Mon Aug 08 11:15:01 2022
Response via : Initial Calibration



Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21911.D
Acq On : 8 Aug 2022 11:09 am
Operator :
Sample : 8260STD 0.5PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:17:29 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration
CHLOROETHANE



Original Int. Results

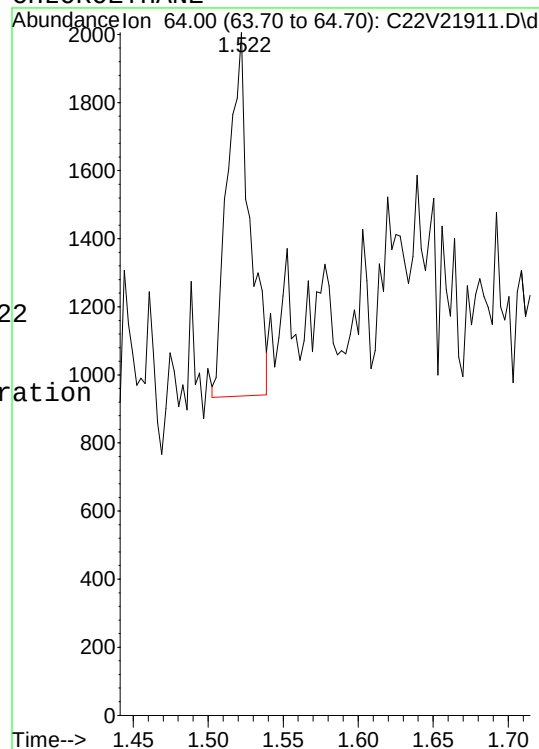
RT : 1.52
Area : 1367
Amount: 0.735156

Manual Int. Results

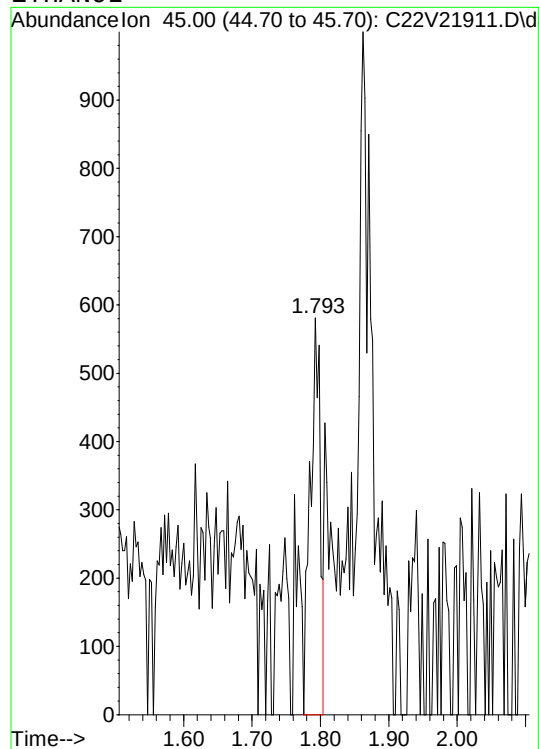
Mon Aug 08 12:15:24 2022

MIuser: EEH
Reason: Incorret Integration
RT : 1.52
Area : 1108
Amount: 0.595869

Manual Integration
CHLOROETHANE



Original Integration
ETHANOL



Original Int. Results

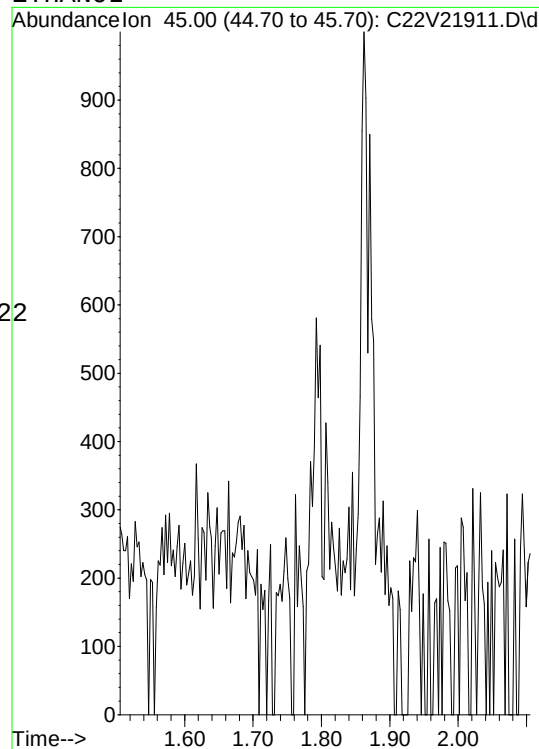
RT : 1.79
Area : 584
Amount: 8.85115

Manual Int. Results

Mon Aug 08 12:15:32 2022

MIuser: EEH
Reason: Split Peak
RT : 0.00
Area : 0
Amount: 0

Manual Integration
ETHANOL



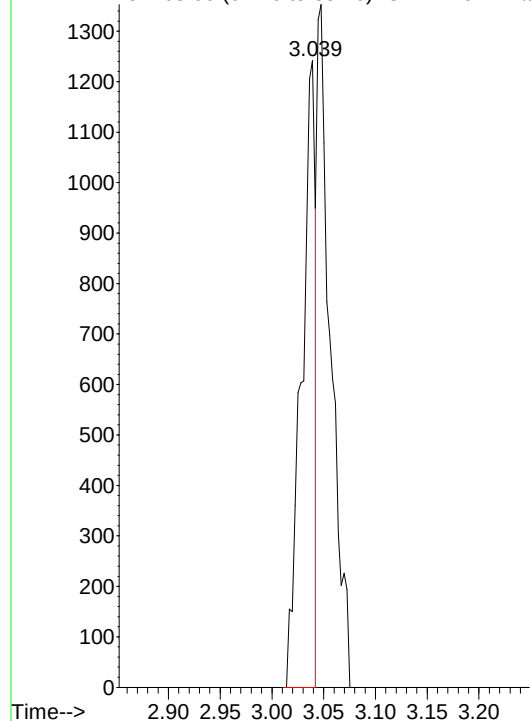
Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21911.D
Acq On : 8 Aug 2022 11:09 am
Operator :
Sample : 8260STD 0.5PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:17:29 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration

1,1-DICHLOROETHANE

Abundance on 63.00 (62.70 to 63.70): C22V21911.D



Original Int. Results

RT : 3.04
Area : 1132
Amount: 0.217899

Manual Int. Results

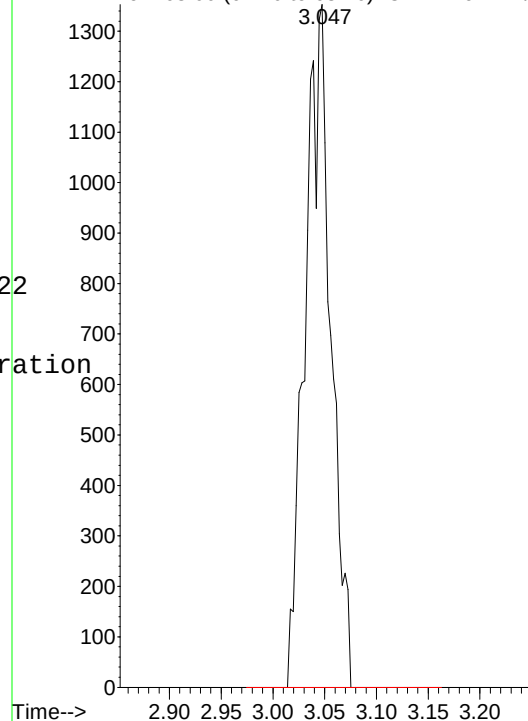
Mon Aug 08 12:15:43 2022

MIuser: EEH
Reason: Incoret Integration
RT : 3.05
Area : 2356
Amount: 0.453508

Manual Integration

1,1-DICHLOROETHANE

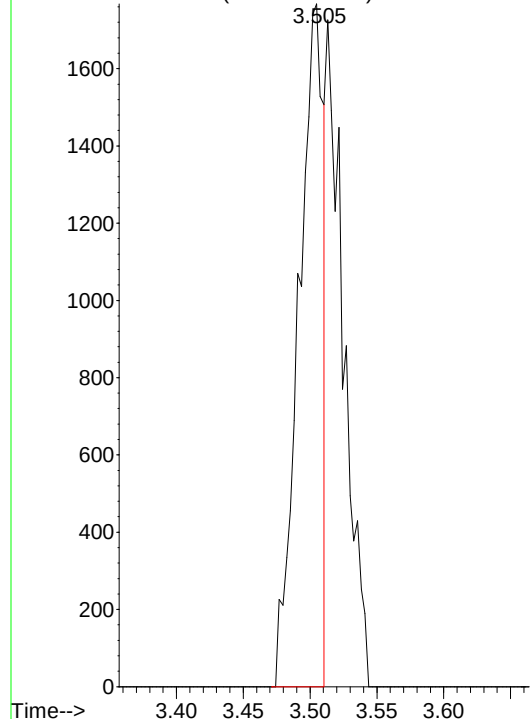
Abundance on 63.00 (62.70 to 63.70): C22V21911.D



Original Integration

T-BUTYL ETHYL ETHER

Abundance on 59.10 (58.80 to 59.80): C22V21911.D



Original Int. Results

RT : 3.50
Area : 2237
Amount: 0.238858

Manual Int. Results

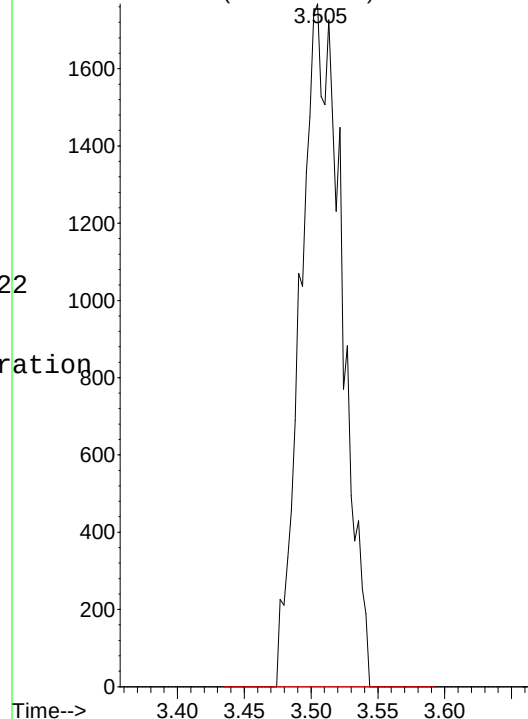
Mon Aug 08 12:15:48 2022

MIuser: EEH
Reason: Incoret Integration
RT : 3.50
Area : 3792
Amount: 0.404895

Manual Integration

T-BUTYL ETHYL ETHER

Abundance on 59.10 (58.80 to 59.80): C22V21911.D

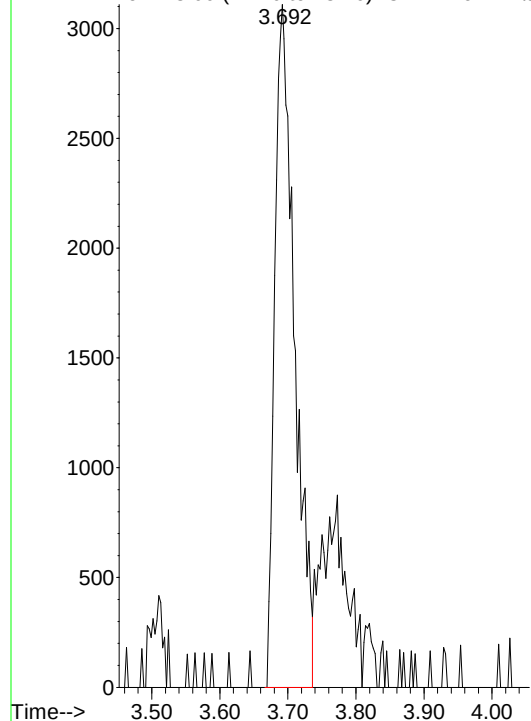


Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21911.D
Acq On : 8 Aug 2022 11:09 am
Operator :
Sample : 8260STD 0.5PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:17:29 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration
ETHYL ACETATE

Abundance Ion 43.00 (42.70 to 43.70): C22V21911.D



Original Int. Results

RT : 3.69
Area : 6325
Amount: 1.43597

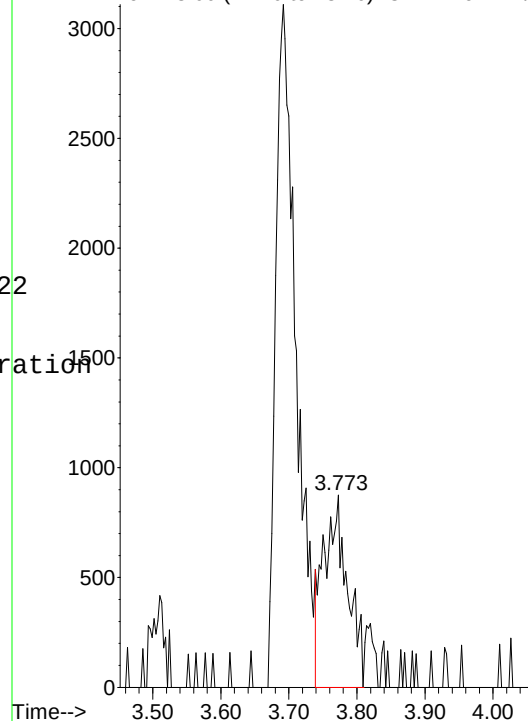
Manual Int. Results

Mon Aug 08 12:15:54 2022

MIuser: EEH
Reason: Incoret Integration
RT : 3.77
Area : 2120
Amount: 0.481306

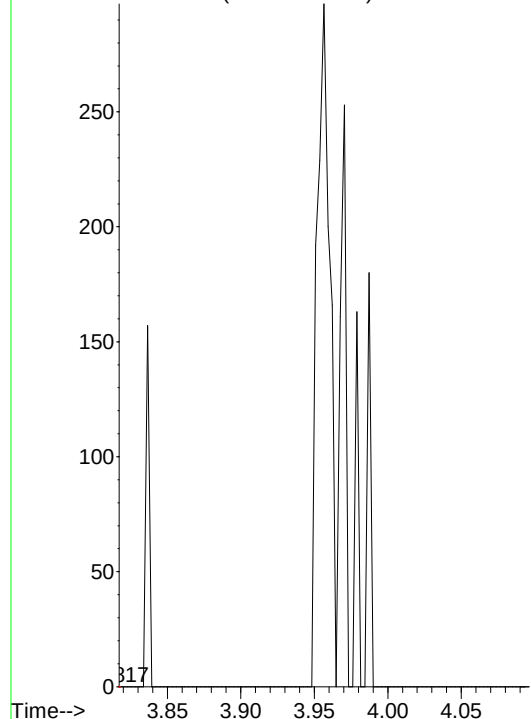
Manual Integration
ETHYL ACETATE

Abundance Ion 43.00 (42.70 to 43.70): C22V21911.D



Original Integration
TETRAHYDROFURAN

Abundance Ion 42.10 (41.80 to 42.80): C22V21911.D



Original Int. Results

RT : 0.00
Area : 0
Amount: 0

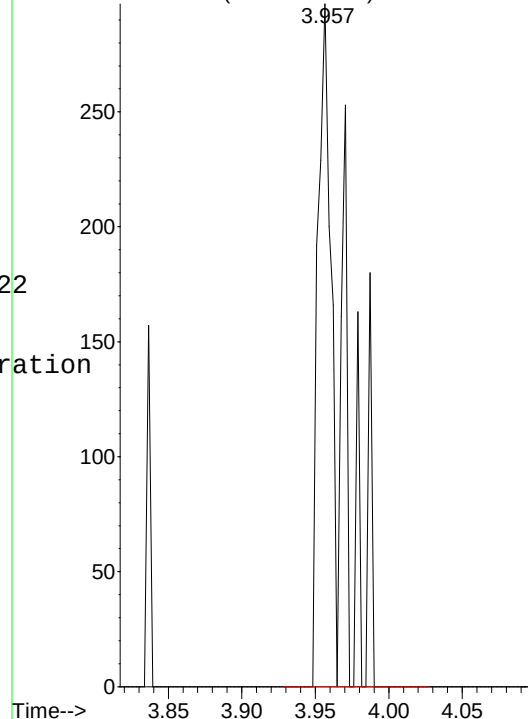
Manual Int. Results

Mon Aug 08 12:16:00 2022

MIuser: EEH
Reason: Incoret Integration
RT : 3.96
Area : 308
Amount: 0.236581

Manual Integration
TETRAHYDROFURAN

Abundance Ion 42.10 (41.80 to 42.80): C22V21911.D

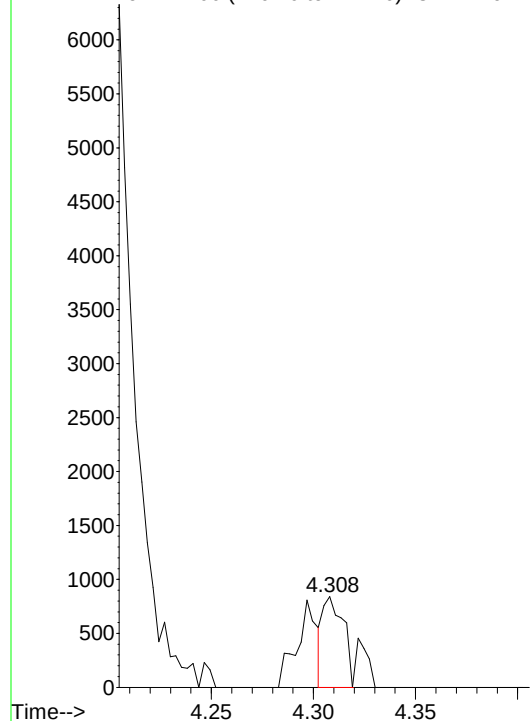


Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21911.D
Acq On : 8 Aug 2022 11:09 am
Operator :
Sample : 8260STD 0.5PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:17:29 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration
CARBON TETRACHLORIDE

Abundance on 117.00 (116.70 to 117.70): C22V21911.D



Original Int. Results

RT : 4.31
Area : 588
Amount: 0.182346

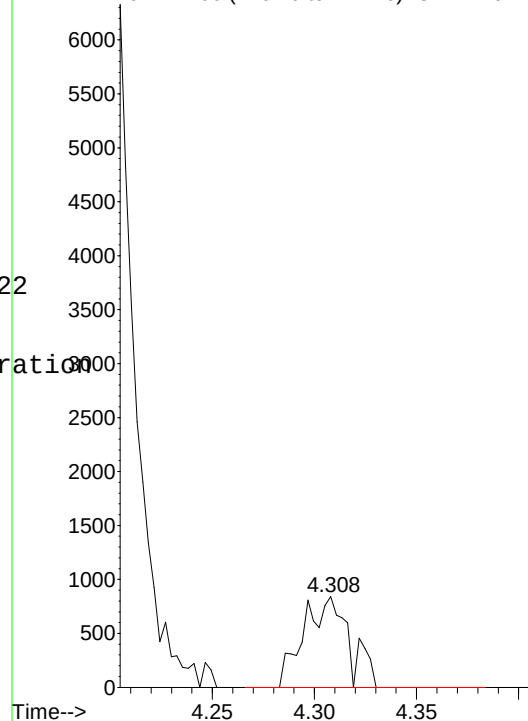
Manual Int. Results

Mon Aug 08 12:16:08 2022

MIuser: EEH
Reason: Incoret Integration
RT : 4.31
Area : 1323
Amount: 0.410278

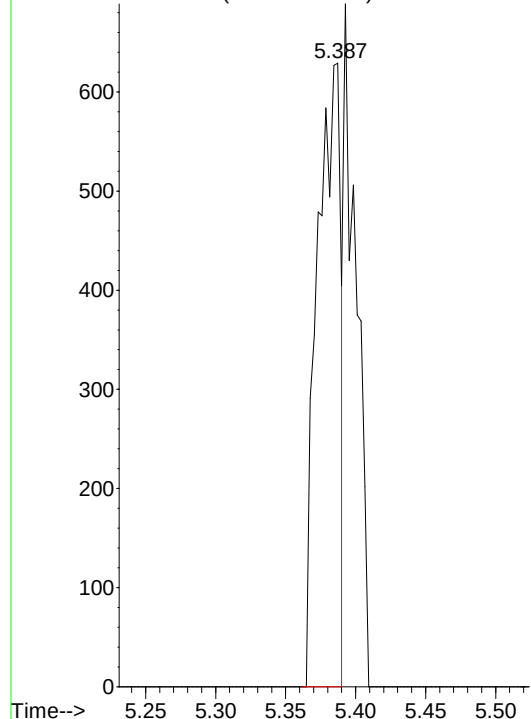
Manual Integration
CARBON TETRACHLORIDE

Abundance on 117.00 (116.70 to 117.70): C22V21911.D



Original Integration
1,2-DICHLOROPROPANE

Abundance on 63.00 (62.70 to 63.70): C22V21911.D



Original Int. Results

RT : 5.39
Area : 726
Amount: 0.24169

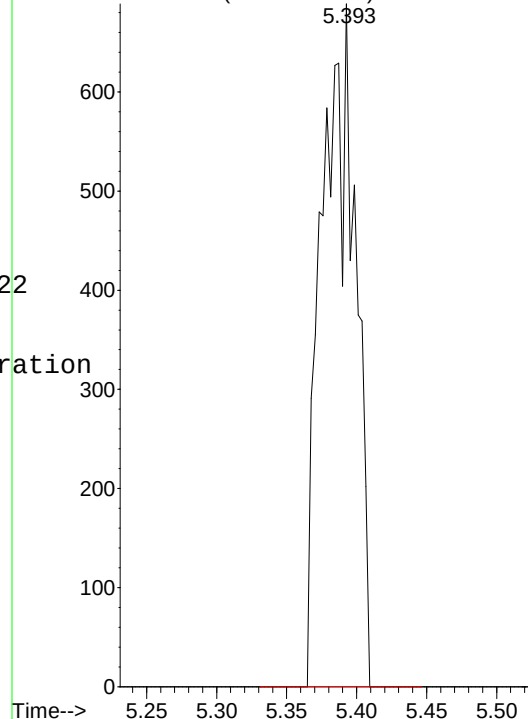
Manual Int. Results

Mon Aug 08 12:16:18 2022

MIuser: EEH
Reason: Incoret Integration
RT : 5.39
Area : 1156
Amount: 0.384839

Manual Integration
1,2-DICHLOROPROPANE

Abundance on 63.00 (62.70 to 63.70): C22V21911.D

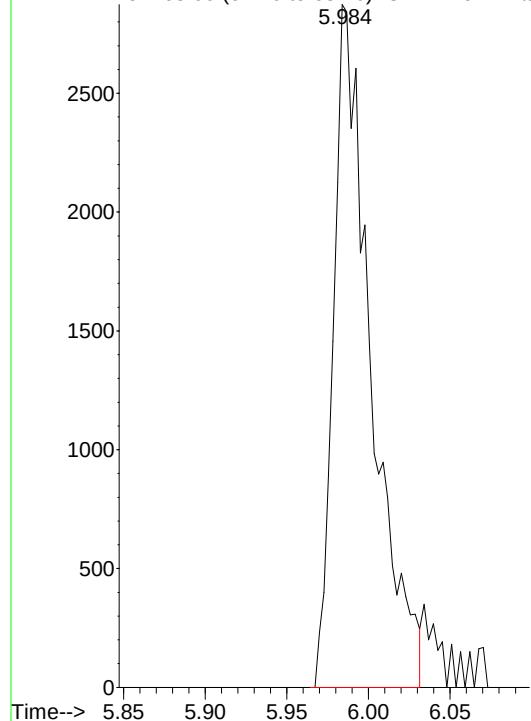


Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21911.D
Acq On : 8 Aug 2022 11:09 am
Operator :
Sample : 8260STD 0.5PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:17:29 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration
2-CHLOROETHYLVINYLETHER

AbundanceIon 63.00 (62.70 to 63.70): C22V21911.D



Original Int. Results

RT : 5.98
Area : 4559
Amount: 3.1074

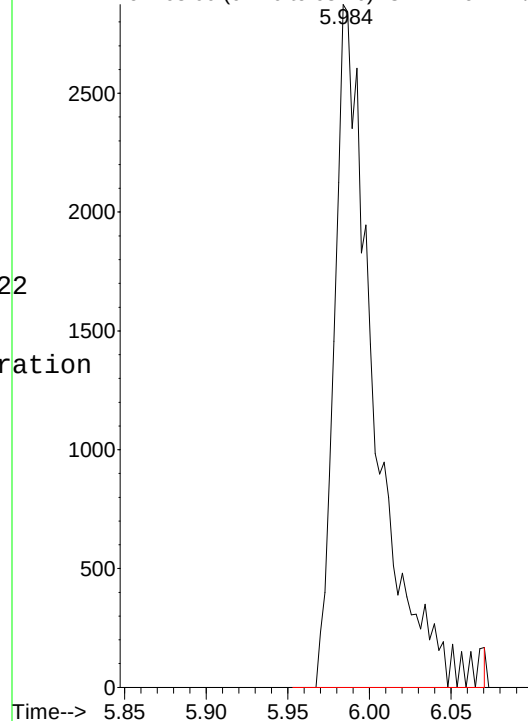
Manual Int. Results

Mon Aug 08 12:16:28 2022

MIuser: EEH
Reason: Incoret Integration
RT : 5.98
Area : 4889
Amount: 3.33232

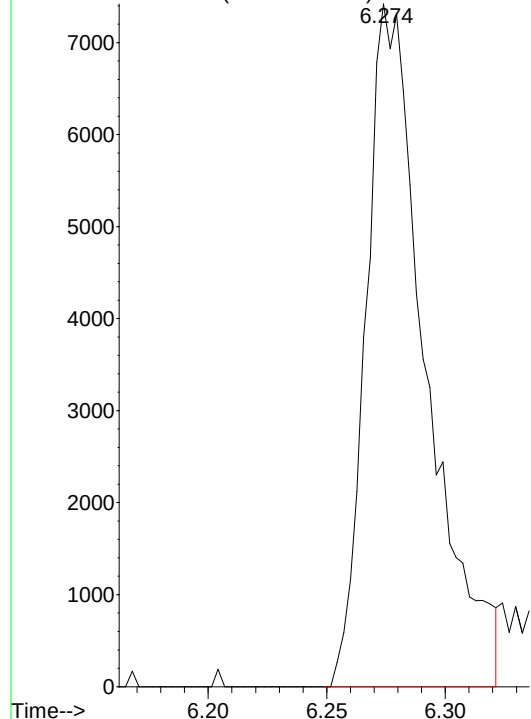
Manual Integration
2-CHLOROETHYLVINYLETHER

AbundanceIon 63.00 (62.70 to 63.70): C22V21911.D



Original Integration
MIBK

AbundanceIon 43.00 (42.70 to 43.70): C22V21911.D



Original Int. Results

RT : 6.27
Area : 13001
Amount: 2.93969

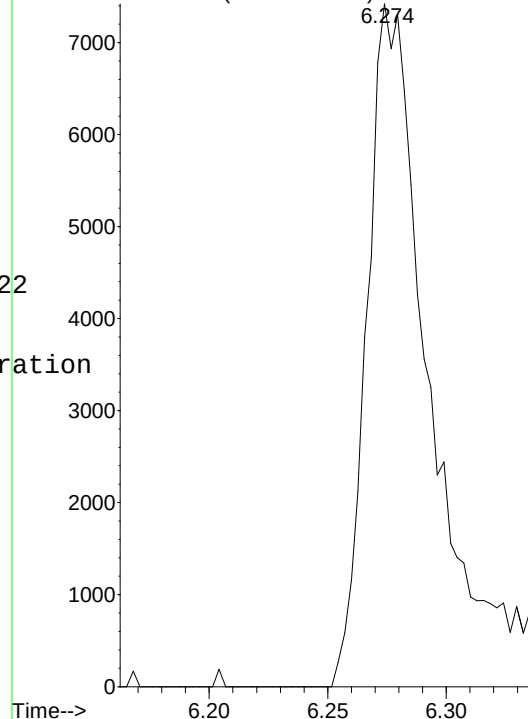
Manual Int. Results

Mon Aug 08 12:16:31 2022

MIuser: EEH
Reason: Incoret Integration
RT : 6.27
Area : 16105
Amount: 3.64154

Manual Integration
MIBK

AbundanceIon 43.00 (42.70 to 43.70): C22V21911.D

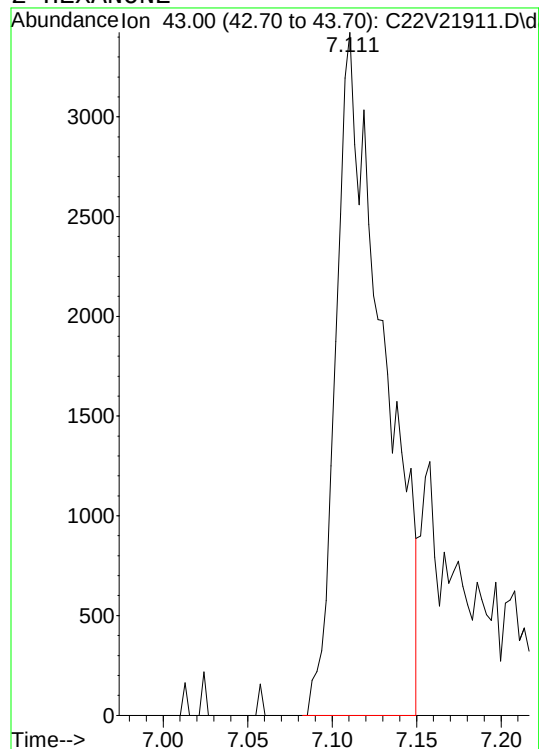


Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21911.D
Acq On : 8 Aug 2022 11:09 am
Operator :
Sample : 8260STD 0.5PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:17:29 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration

2-HEXANONE



Original Int. Results

RT : 7.11
Area : 6642
Amount: 2.09102

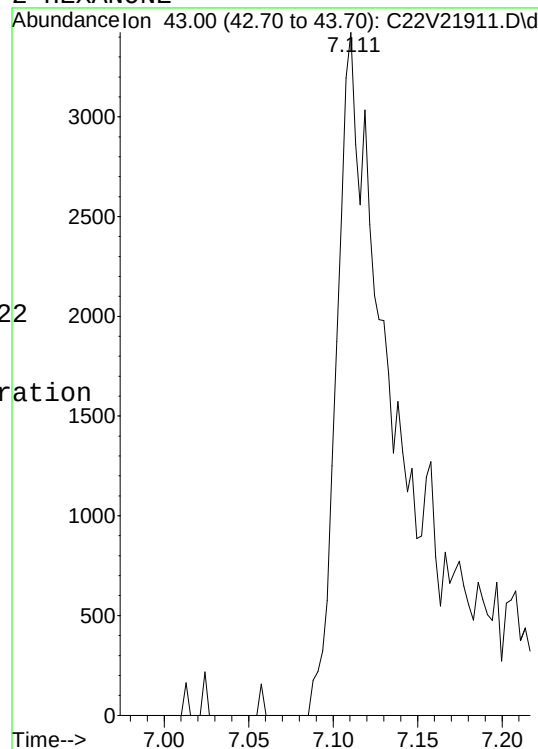
Manual Int. Results

Mon Aug 08 12:16:38 2022

MIuser: EEH
Reason: Incoret Integration
RT : 7.11
Area : 10150
Amount: 3.1954

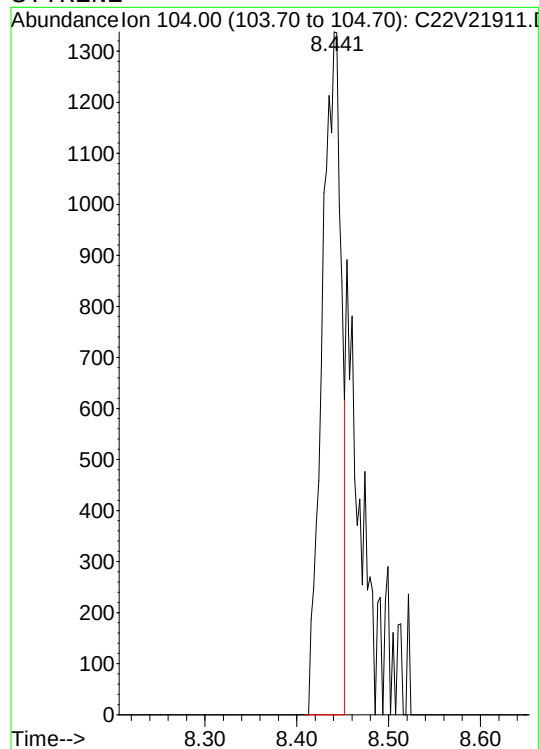
Manual Integration

2-HEXANONE



Original Integration

STYRENE



Original Int. Results

RT : 8.44
Area : 1930
Amount: 0.25909

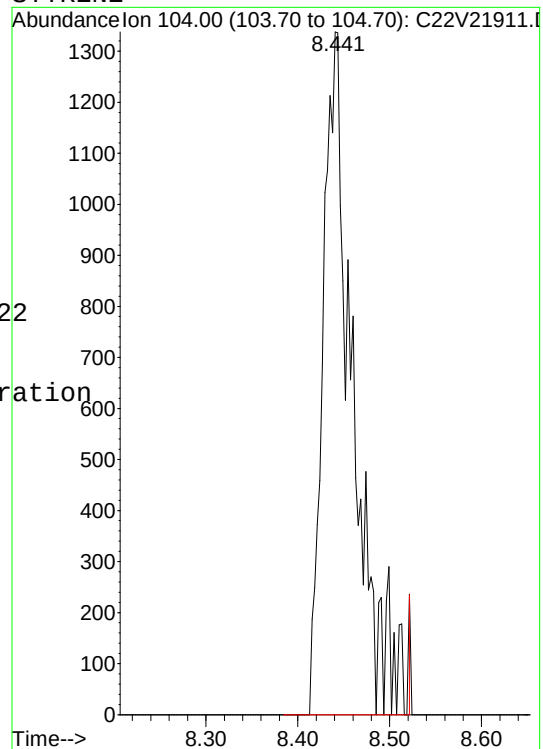
Manual Int. Results

Mon Aug 08 12:16:46 2022

MIuser: EEH
Reason: Incoret Integration
RT : 8.44
Area : 3065
Amount: 0.411457

Manual Integration

STYRENE

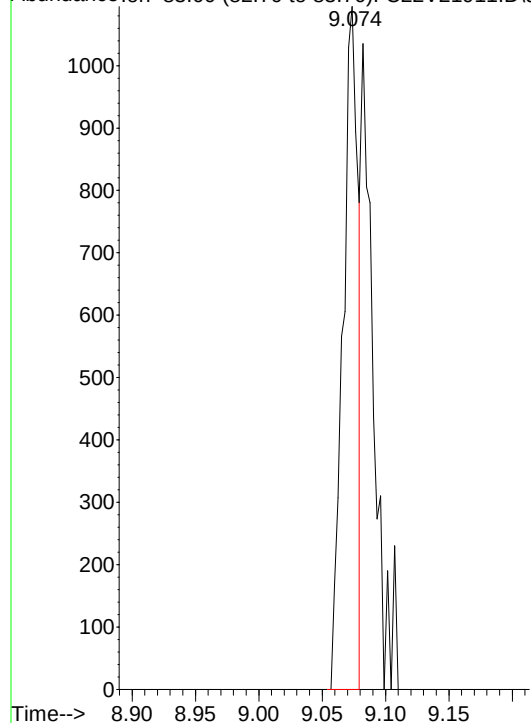


Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21911.D
Acq On : 8 Aug 2022 11:09 am
Operator :
Sample : 8260STD 0.5PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:17:29 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration
1,1,2,2-TETRACHLOROETHANE

Abundance Ion 83.00 (82.70 to 83.70): C22V21911.D



Original Int. Results

RT : 9.07
Area : 911
Amount: 0.223359

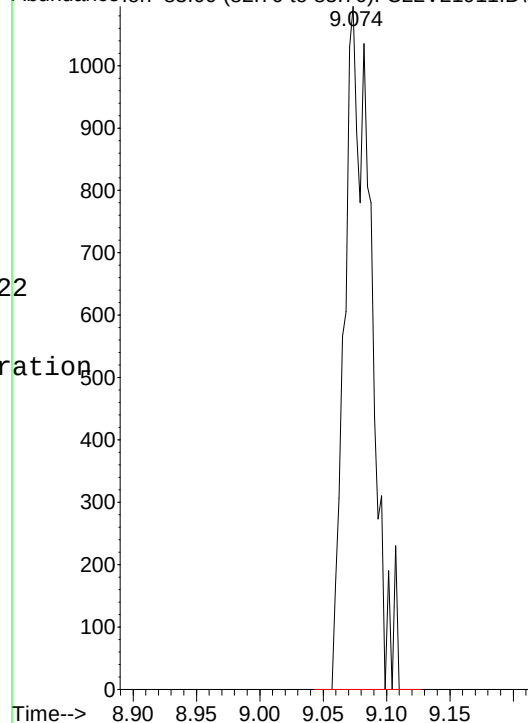
Manual Int. Results

Mon Aug 08 12:16:51 2022

MIuser: EEH
Reason: Incoret Integration
RT : 9.07
Area : 1590
Amount: 0.389836

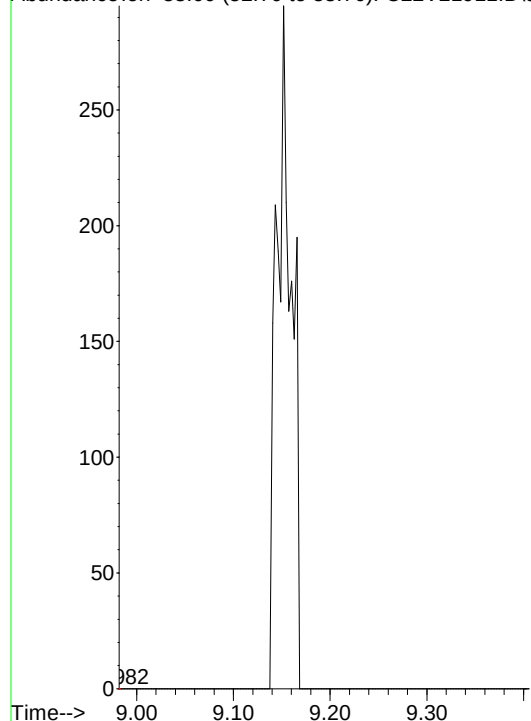
Manual Integration
1,1,2,2-TETRACHLOROETHANE

Abundance Ion 83.00 (82.70 to 83.70): C22V21911.D



Original Integration
1,4-DICHLORO-2-BUTENE (TRANS)

Abundance Ion 53.00 (52.70 to 53.70): C22V21911.D



Original Int. Results

RT : 0.00
Area : 0
Amount: 0

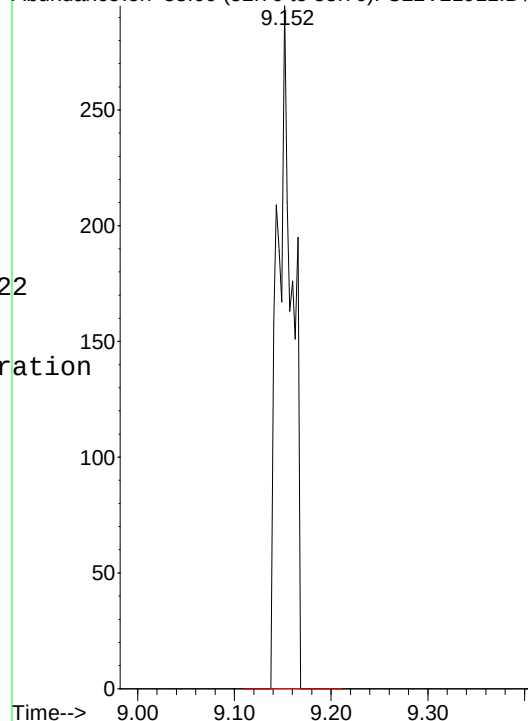
Manual Int. Results

Mon Aug 08 12:16:54 2022

MIuser: EEH
Reason: Incoret Integration
RT : 9.15
Area : 320
Amount: 0.310588

Manual Integration
1,4-DICHLORO-2-BUTENE (TRANS)

Abundance Ion 53.00 (52.70 to 53.70): C22V21911.D

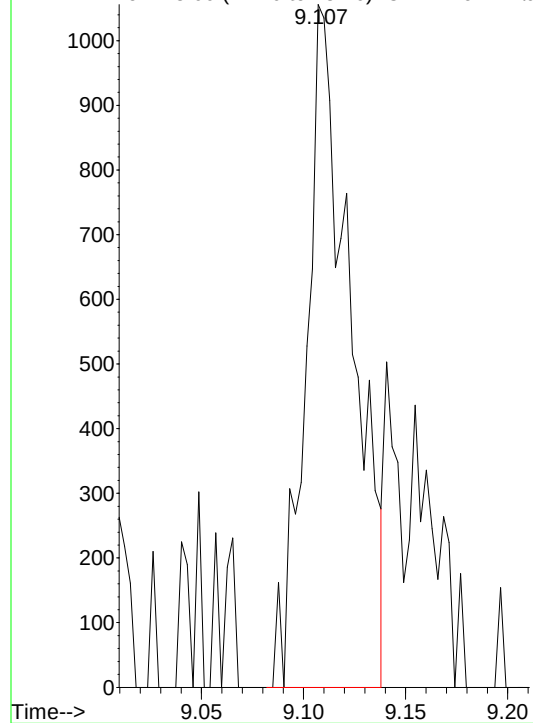


Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21911.D
Acq On : 8 Aug 2022 11:09 am
Operator :
Sample : 8260STD 0.5PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:17:29 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration
1,2,3-TRICHLOROPROPANE

Abundance on 75.00 (74.70 to 75.70): C22V21911.D



Original Int. Results

RT : 9.11
Area : 1627
Amount: 0.477466

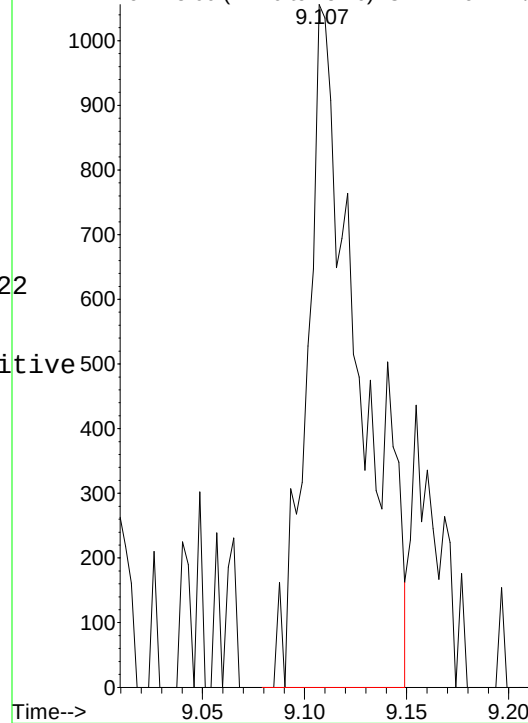
Manual Int. Results

Mon Aug 08 12:16:59 2022

MIuser: EEH
Reason: Qdel False Positive
RT : 9.11
Area : 1858
Amount: 0.545256

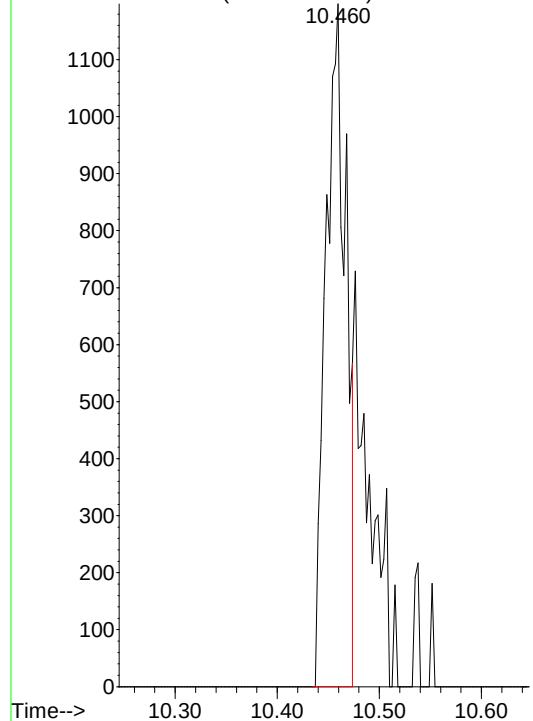
Manual Integration
1,2,3-TRICHLOROPROPANE

Abundance on 75.00 (74.70 to 75.70): C22V21911.D



Original Integration
N-BUTYLBENZENE

Abundance on 91.00 (90.70 to 91.70): C22V21911.D



Original Int. Results

RT : 10.46
Area : 1667
Amount: 0.209662

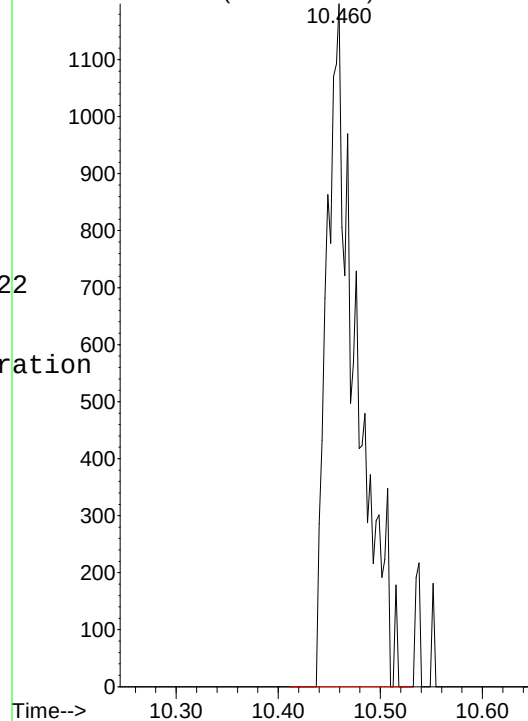
Manual Int. Results

Mon Aug 08 12:17:16 2022

MIuser: EEH
Reason: Incoret Integration
RT : 10.46
Area : 2413
Amount: 0.303488

Manual Integration
N-BUTYLBENZENE

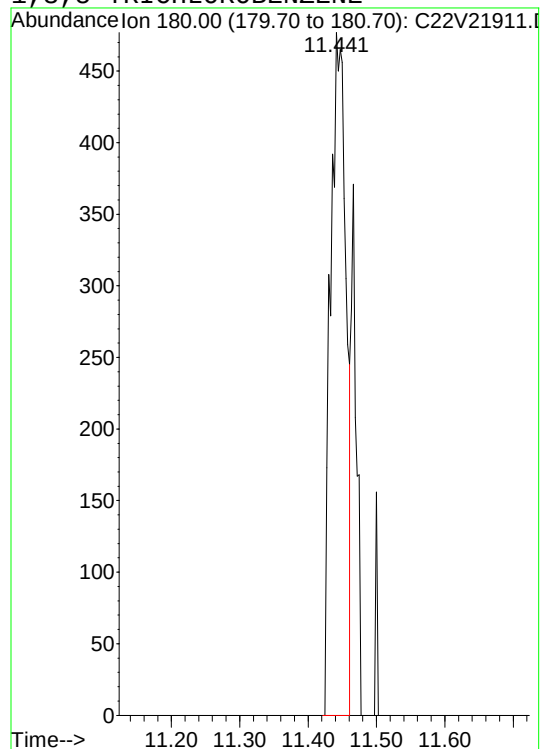
Abundance on 91.00 (90.70 to 91.70): C22V21911.D



Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21911.D
Acq On : 8 Aug 2022 11:09 am
Operator :
Sample : 8260STD 0.5PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:17:29 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration
1,3,5-TRICHLOROBENZENE



Original Int. Results

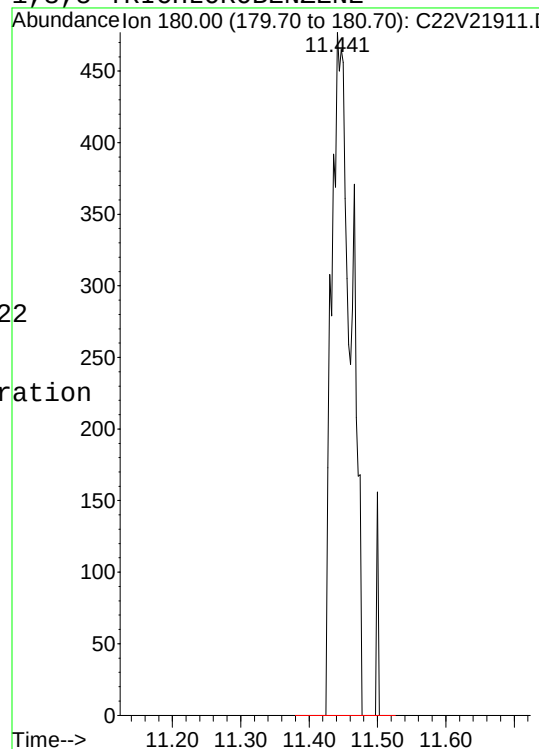
RT : 11.44
Area : 760
Amount: 0.207217

Manual Int. Results

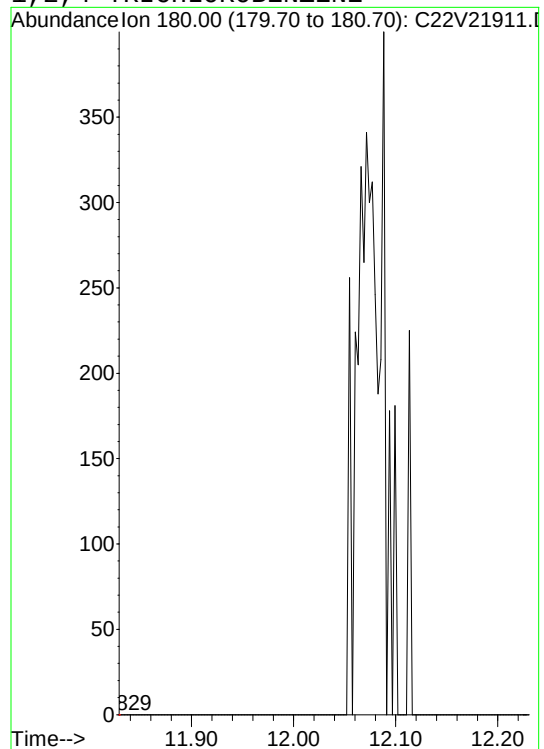
Mon Aug 08 12:17:20 2022

MIuser: EEH
Reason: Incoret Integration
RT : 11.44
Area : 986
Amount: 0.268837

Manual Integration
1,3,5-TRICHLOROBENZENE



Original Integration
1,2,4-TRICHLOROBENZENE



Original Int. Results

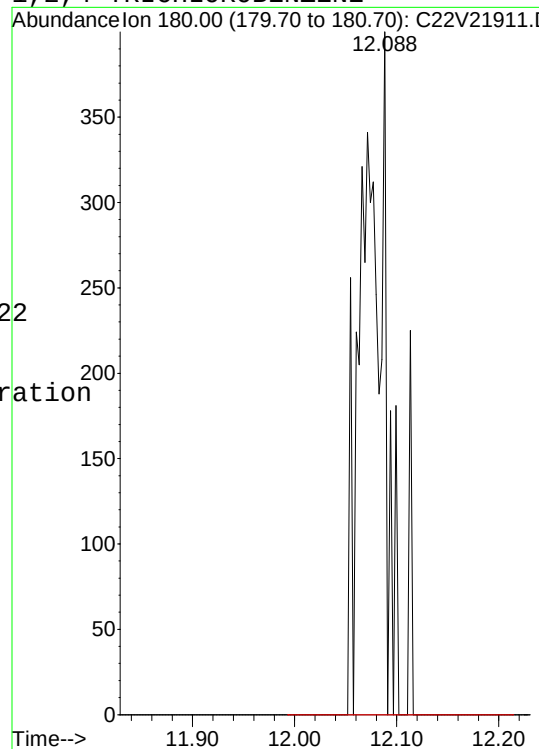
RT : 0.00
Area : 0
Amount: 0

Manual Int. Results

Mon Aug 08 12:17:22 2022

MIuser: EEH
Reason: Incoret Integration
RT : 12.09
Area : 644
Amount: 0.186415

Manual Integration
1,2,4-TRICHLOROBENZENE

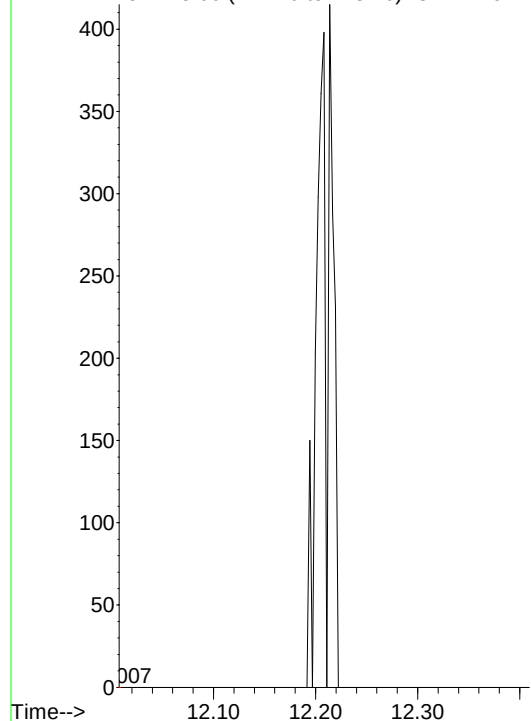


Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21911.D
Acq On : 8 Aug 2022 11:09 am
Operator :
Sample : 8260STD 0.5PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:17:29 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration
HEXACHLOROBUTADIENE

Abundance on 225.00 (224.70 to 225.70): C22V21911.D



Original Int. Results

RT : 0.00
Area : 0
Amount: 0

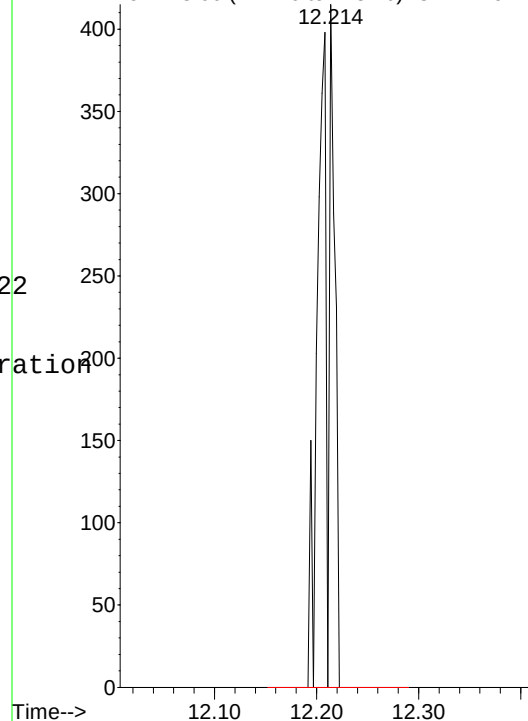
Manual Int. Results

Mon Aug 08 12:17:24 2022

MIuser: EEH
Reason: Incoret Integration
RT : 12.21
Area : 392
Amount: 0.297959

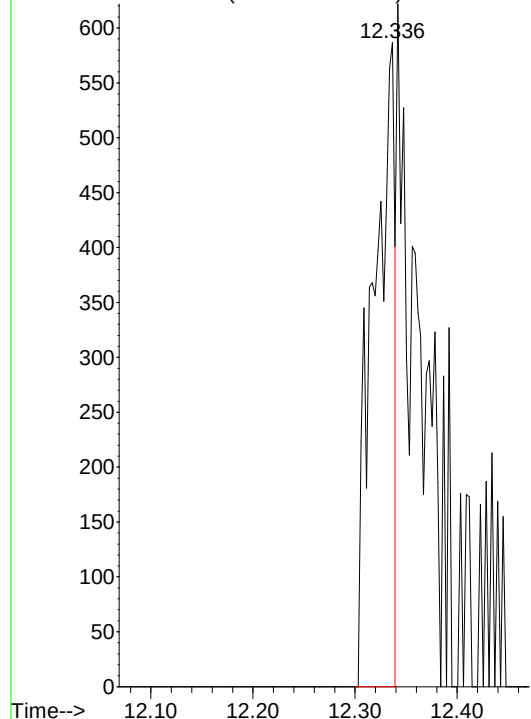
Manual Integration
HEXACHLOROBUTADIENE

Abundance on 225.00 (224.70 to 225.70): C22V21911.D



Original Integration
NAPHTHALENE

Abundance on 128.00 (127.70 to 128.70): C22V21911.D



Original Int. Results

RT : 12.34
Area : 841
Amount: 0.0814378

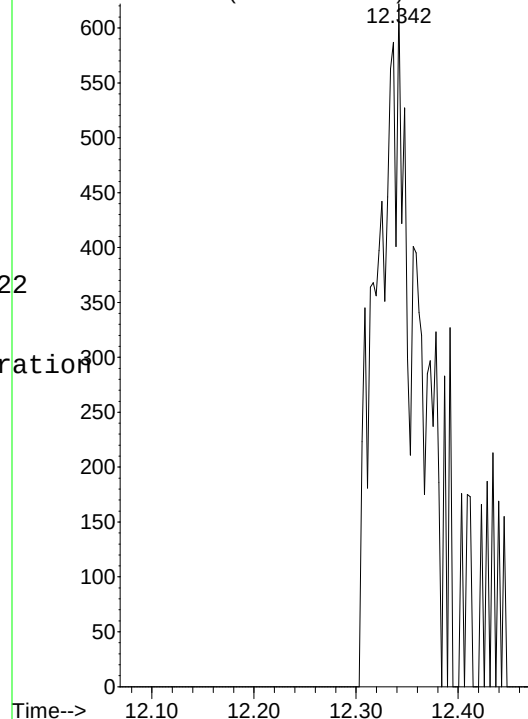
Manual Int. Results

Mon Aug 08 12:17:27 2022

MIuser: EEH
Reason: Incoret Integration
RT : 12.34
Area : 2023
Amount: 0.195896

Manual Integration
NAPHTHALENE

Abundance on 128.00 (127.70 to 128.70): C22V21911.D

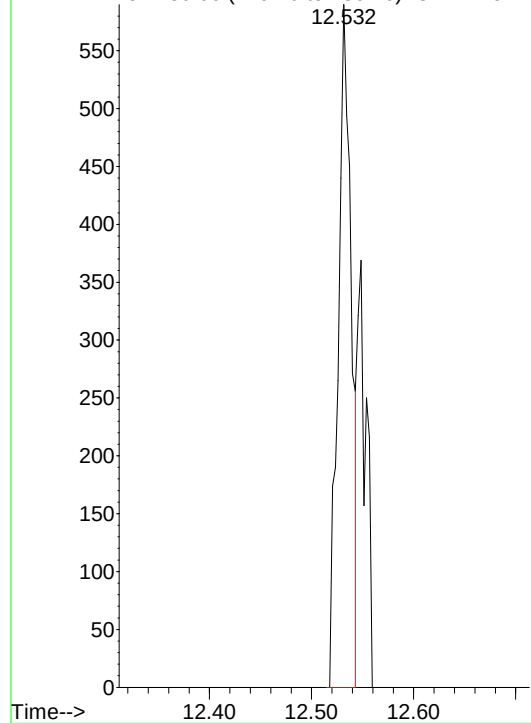


Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21911.D
Acq On : 8 Aug 2022 11:09 am
Operator :
Sample : 8260STD 0.5PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:17:29 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration
1,2,3-TRICHLOROBENZENE

Abundance Ion 180.00 (179.70 to 180.70): C22V21911.D



Original Int. Results

RT : 12.53
Area : 524
Amount: 0.15271

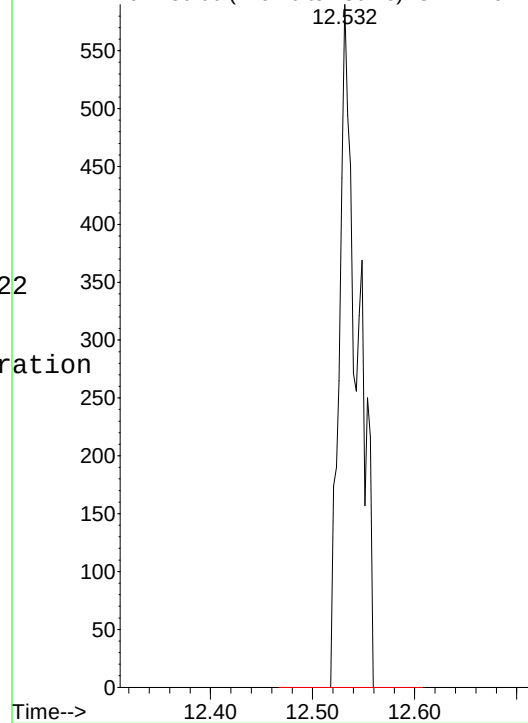
Manual Int. Results

Mon Aug 08 12:17:29 2022

MIuser: EEH
Reason: Incoret Integration
RT : 12.53
Area : 743
Amount: 0.216533

Manual Integration
1,2,3-TRICHLOROBENZENE

Abundance Ion 180.00 (179.70 to 180.70): C22V21911.D



Data Path : C:\msdchem\1\data\C080822\
 Data File : C22V21912.D
 Acq On : 8 Aug 2022 11:33 am
 Operator :
 Sample : 8260STD 1.0PPB 2206105
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Inst : GCMSVOA3

Quant Time: Aug 08 12:19:52 2022
 Quant Method : C:\msdchem\1\methods\C051619.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Mon Aug 08 11:15:01 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) PENTAFLUOROBENZENE - ISTD	4.194	168	192447	30.00	UG/L	0.00
48) 1,4-DIFLUOROBENZENE - ...	4.916	114	284819	30.00	UG/L	0.00
70) CHLOROBENZENE-D5 ISTD	7.749	82	138767	30.00	UG/L	0.00
89) 1,4-DICHLOROBENZENE-D4...	10.047	152	130928	30.00	UG/L	# 0.00
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4 SS	4.467	65	91212	25.20	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	100.80%	
49) TOLUENE SS	6.352	98	277384	24.42	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	97.68%	
71) 4-BROMOFLUOROBENZENE SS	8.909	95	100585	24.43	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	97.72%	
Target Compounds						
					Qvalue	
3) DICHLORODIFLUOROMETHANE	1.087	85	2878	0.92	UG/L	94
4) DIFLUOROCHLOROMETHANE	1.093	51	3405	0.91	UG/L	# 100
5) CHLOROMETHANE	1.196	50	5363	1.28	UG/L	# 32
6) VINYL CHLORIDE	1.263	62	3208	0.96	UG/L	# 29
7) BROMOMETHANE	1.455	94	2727m	1.49	UG/L	
8) CHLOROETHANE	1.516	64	2453m	1.33	UG/L	
9) FLUORODICHLOROMETHANE	1.636	67	5353	1.06	UG/L	98
10) TRICHLOROFLUOROMETHANE	1.678	101	3989	1.07	UG/L	100
11) ETHANOL	1.795	45	1338	20.40	UG/L	# 38
12) DI ETHYL ETHER	1.862	59	2406	1.01	UG/L	99
13) ACROLEIN	1.957	56	5428	6.85	UG/L	95
14) ACETONE	2.066	43	12127	10.05	UG/L	99
15) 1,1-DICHLOROETHENE	2.021	61	4121	1.11	UG/L	97
16) 1,1,2-TRICL-1,2,2-TRIF...	2.021	101	2519	1.23	UG/L	82
17) IODOMETHANE	2.141	142	24473	8.03	UG/L	98
20) METHYL ACETATE	2.320	43	4803	1.28	UG/L	# 94
21) T-BUTYL ALCOHOL	2.509	59	4346	9.36	UG/L	# 92
22) ACRYLONITRILE	2.615	53	1430	0.90	UG/L	# 59
23) METHYLENE CHLORIDE	2.398	49	4227	1.07	UG/L	100
24) CARBON DISULFIDE	2.191	76	77457	10.78	UG/L	100
25) METHYL TERT-BUTYL ETHE...	2.637	73	9066	1.08	UG/L	98
26) TRANS 1,2-DICHLOROETHENE	2.635	61	4062	1.05	UG/L	91
27) 1,1-DICHLOROETHANE	3.042	63	5014	0.97	UG/L	# 79
28) VINYL ACETATE	3.112	43	79237	7.99	UG/L	99
29) DI ISOPROYL ETHER	3.126	45	9583	0.86	UG/L	97
31) 2-BUTANONE	3.683	43	15358	7.09	UG/L	96
32) T-BUTYL ETHYL ETHER	3.502	59	8452m	0.91	UG/L	
33) CIS-1,2-DICHLOROETHENE	3.647	61	4216	0.94	UG/L	98
34) 2,2-DICHLOROPROPANE	3.630	77	3933m	1.02	UG/L	
35) ETHYL ACETATE	3.759	43	4664m	1.07	UG/L	
38) BROMOCHLOROMETHANE	3.881	49	2407	0.91	UG/L	98
39) TETRAHYDROFURAN	3.962	42	1017	0.79	UG/L	# 40
40) CHLOROFORM	3.976	83	4492	0.94	UG/L	100
41) 1,1,1-TRICHLOROETHANE	4.143	97	3891	1.02	UG/L	91
42) CYCLOHEXANE	4.194	56	7651	1.69	UG/L	# 64
43) CARBON TETRACHLORIDE	4.300	117	3278m	1.02	UG/L	
44) 1,1-DICHLOROPROPENE	4.313	75	3505	0.99	UG/L	# 90
45) BENZENE	4.523	78	10449	0.94	UG/L	# 1
47) T-AMYL METHYL ETHER	4.648	73	7921	0.96	UG/L	97
50) 1,2-DICHLOROETHANE	4.550	62	3854	0.99	UG/L	# 74
51) TRICHLOROETHENE	5.167	95	2543	1.01	UG/L	91
52) METHYLCYCLOHEXANE	5.334	83	3112m	0.91	UG/L	
53) 1,2-DICHLOROPROPANE	5.384	63	2629	0.88	UG/L	# 97

Data Path : C:\msdchem\1\data\C080822\
 Data File : C22V21912.D
 Acq On : 8 Aug 2022 11:33 am
 Operator :
 Sample : 8260STD 1.0PPB 2206105
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Inst : GCMSVOA3

Quant Time: Aug 08 12:19:52 2022
 Quant Method : C:\msdchem\1\methods\C051619.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Mon Aug 08 11:15:01 2022
 Response via : Initial Calibration

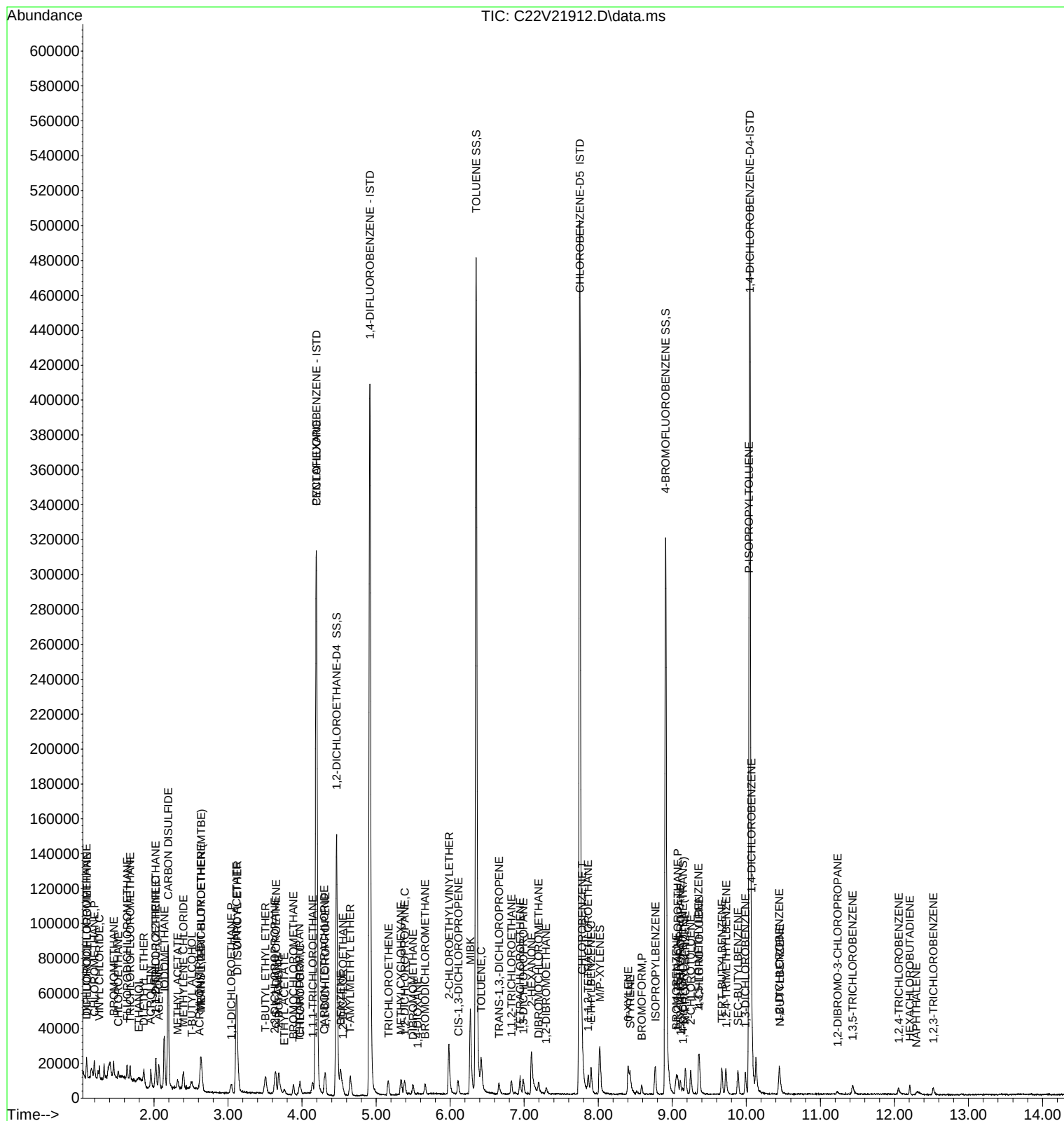
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
54) DIBROMOMETHANE	5.499	93	1756	0.94	UG/L	93
56) 1,4-DIOXANE	5.557	88	274m	6.23	UG/L	
57) BROMODICHLOROMETHANE	5.660	83	3644	1.02	UG/L #	87
58) 2-CHLOROETHYL VINYLETHYL	5.984	63	11832m	8.07	UG/L	
59) MIBK	6.274	43	35205m	7.96	UG/L	
60) CIS-1,3-DICHLOROPROPENE	6.112	75	4317	0.94	UG/L	92
61) TOLUENE	6.419	91	10805	0.98	UG/L	92
62) TRANS-1,3-DICHLOROPRO...	6.659	75	3461	0.84	UG/L	90
64) 1,1,2-TRICHLOROETHANE	6.826	97	2495	0.96	UG/L #	82
65) 2-HEXANONE	7.099	43	23827m	7.50	UG/L	
66) TETRACHLOROETHENE	6.946	166	2487	0.98	UG/L	97
67) 1,3-DICHLOROPROPANE	6.988	76	4334	0.90	UG/L	96
68) DIBROMOCHLOROMETHANE	7.194	129	2922	0.98	UG/L	90
69) 1,2-DIBROMOETHANE	7.292	107	2605m	0.90	UG/L	
72) CHLOROBENZENE	7.783	112	6843	1.00	UG/L	94
73) 1,1,1,2-TETRACHLOROETHANE	7.861	131	2623	1.07	UG/L #	64
74) ETHYLBENZENE	7.902	91	10954	0.93	UG/L	95
75) M/P-XYLENES	8.022	91	16880	1.89	UG/L	98
76) O-XYLENE	8.404	91	9049	0.98	UG/L	94
77) STYRENE	8.432	104	6817	0.92	UG/L	93
78) BROMOFORM	8.586	173	2112	0.98	UG/L #	69
79) ISOPROPYLBENZENE	8.772	105	10121	0.95	UG/L	97
81) 1,1,2,2-TETRACHLOROETHANE	9.074	83	3798	0.94	UG/L #	89
82) 1,4-DICHLORO-2-BUTENE(...	9.146	53	847m	0.83	UG/L	
83) BROMOBENZENE	9.054	77	4767m	0.97	UG/L	
84) 1,2,3-TRICHLOROPROPANE	9.110	75	3907m	1.15	UG/L	
85) N-PROPYLBENZENE	9.177	91	11568	0.92	UG/L	96
86) 2-CHLOROTOLUENE	9.249	91	7139	0.90	UG/L	98
87) 1,3,5-TRIMETHYLBENZENE	9.355	105	8348	0.94	UG/L	95
88) 4-CHLOROTOLUENE	9.364	91	8952	0.99	UG/L	92
90) TERT-BUTYLBENZENE	9.670	119	7013	0.99	UG/L	98
91) 1,2,4-TRIMETHYLBENZENE	9.729	105	8498	0.95	UG/L	98
92) SEC-BUTYLBENZENE	9.888	105	9490	0.95	UG/L	94
93) 1,3-DICHLOROBENZENE	9.988	146	4968	0.96	UG/L	97
94) P-ISOPROPYLTOLUENE	10.036	119	7798	0.91	UG/L	96
95) 1,4-DICHLOROBENZENE	10.069	146	5771	1.05	UG/L #	92
97) N-BUTYLBENZENE	10.454	91	5365	0.69	UG/L #	46
98) 1,2-DICHLOROBENZENE	10.443	146	4704	0.90	UG/L	93
99) 1,2-DIBROMO-3-CHLOROPR...	11.232	75	579m	0.81	UG/L	
100) 1,3,5-TRICHLOROBENZENE	11.436	180	2944m	0.83	UG/L	
101) 1,2,4-TRICHLOROBENZENE	12.057	180	2026m	0.60	UG/L	
102) HEXACHLOROBUTADIENE	12.205	225	987m	0.77	UG/L	
103) NAPHTHALENE	12.297	128	5327m	0.53	UG/L	
104) 1,2,3-TRICHLOROBENZENE	12.526	180	2110m	0.63	UG/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

170

Inst : GCMSV0A3

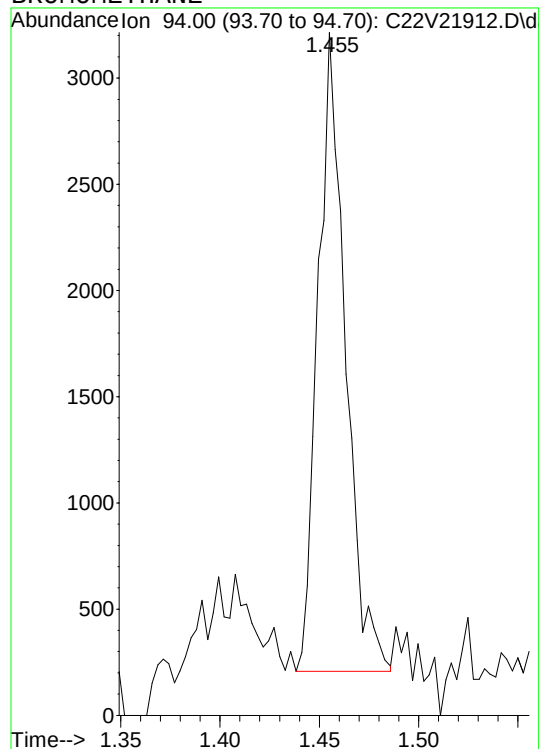
Quant Time: Aug 08 12:19:52 2022
Quant Method : C:\msdchem\1\methods\C051619.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
QLast Update : Mon Aug 08 11:15:01 2022
Response via : Initial Calibration



Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21912.D
Acq On : 8 Aug 2022 11:33 am
Operator :
Sample : 8260STD 1.0PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:19:52 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration
BROMOMETHANE



Original Int. Results

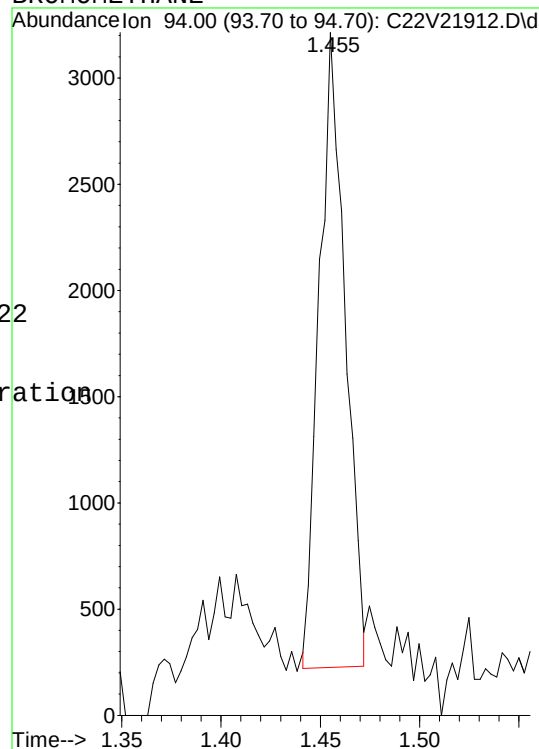
RT : 1.46
Area : 2897
Amount: 1.58617

Manual Int. Results

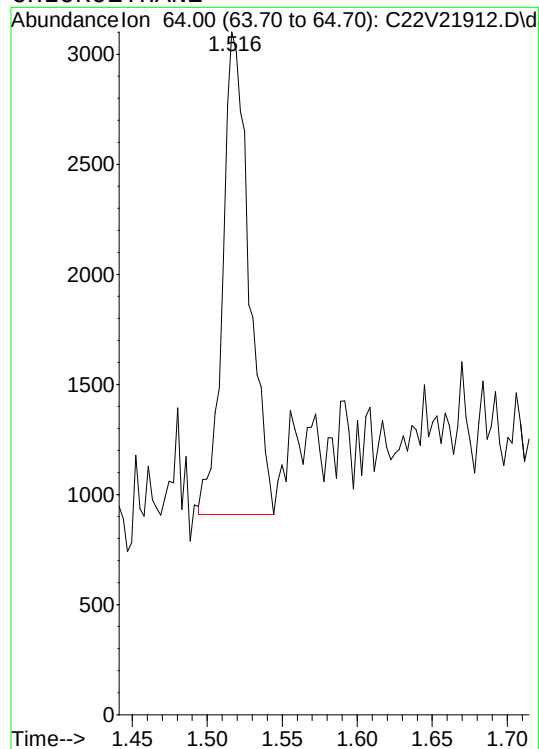
Mon Aug 08 12:17:52 2022

MIuser: EEH
Reason: Incoret Integration
RT : 1.46
Area : 2727
Amount: 1.49309

Manual Integration
BROMOMETHANE



Original Integration
CHLOROETHANE



Original Int. Results

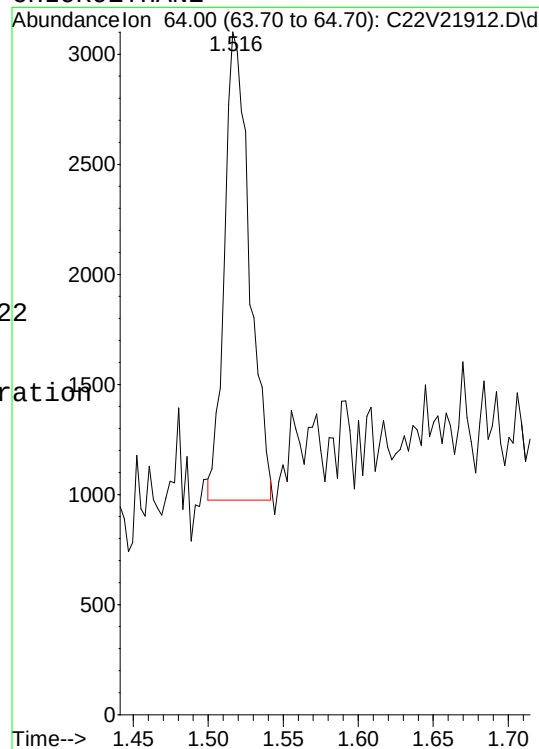
RT : 1.52
Area : 2673
Amount: 1.44605

Manual Int. Results

Mon Aug 08 12:17:58 2022

MIuser: EEH
Reason: Incoret Integration
RT : 1.52
Area : 2453
Amount: 1.32704

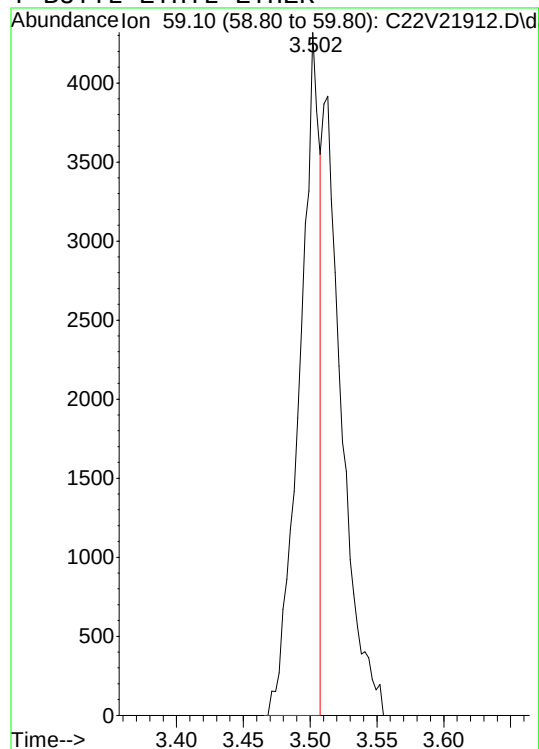
Manual Integration
CHLOROETHANE



Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21912.D
Acq On : 8 Aug 2022 11:33 am
Operator :
Sample : 8260STD 1.0PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:19:52 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration
T-BUTYL ETHYL ETHER



Original Int. Results

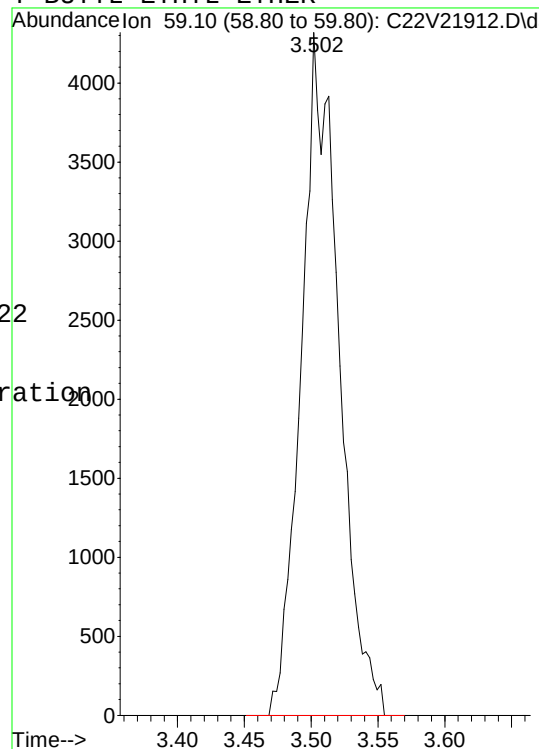
RT : 3.50
Area : 4542
Amount: 0.48786

Manual Int. Results

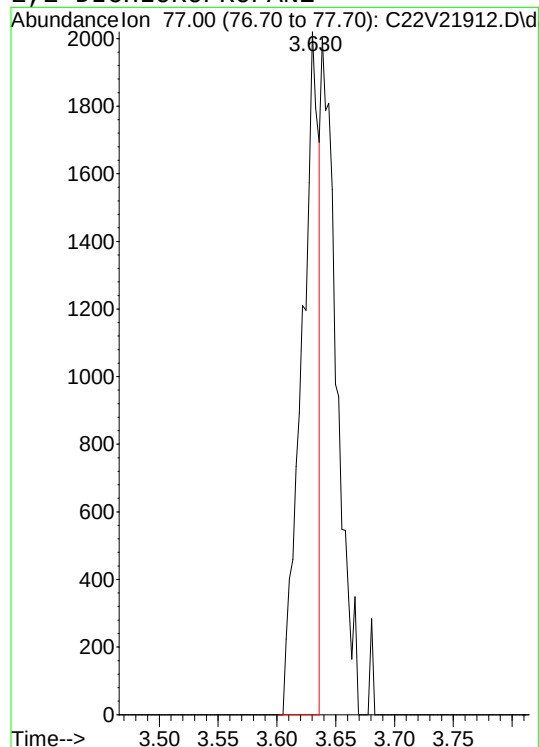
Mon Aug 08 12:18:17 2022

MIuser: EEH
Reason: Incoret Integration
RT : 3.50
Area : 8452
Amount: 0.907836

Manual Integration
T-BUTYL ETHYL ETHER



Original Integration
2,2-DICHLOROPROPANE



Original Int. Results

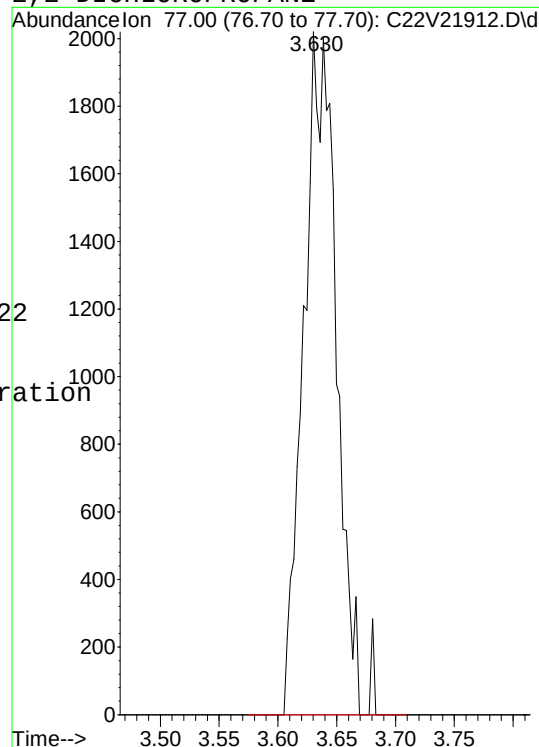
RT : 3.63
Area : 2041
Amount: 0.527574

Manual Int. Results

Mon Aug 08 12:18:20 2022

MIuser: EEH
Reason: Incoret Integration
RT : 3.63
Area : 3933
Amount: 1.01663

Manual Integration
2,2-DICHLOROPROPANE



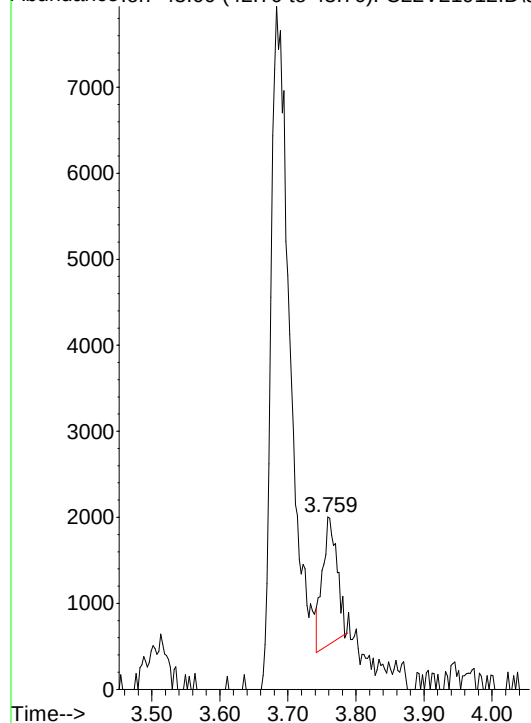
Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21912.D
Acq On : 8 Aug 2022 11:33 am
Operator :
Sample : 8260STD 1.0PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:19:52 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration

ETHYL ACETATE

Abundance on 43.00 (42.70 to 43.70): C22V21912.Did



Original Int. Results

RT : 3.76
Area : 2175
Amount: 0.496728

Manual Int. Results

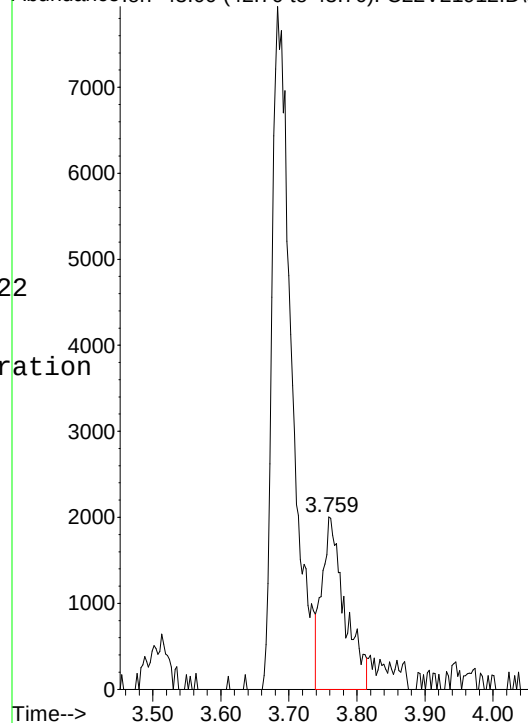
Mon Aug 08 12:18:24 2022

MIuser: EEH
Reason: Incoret Integration
RT : 3.76
Area : 4664
Amount: 1.06517

Manual Integration

ETHYL ACETATE

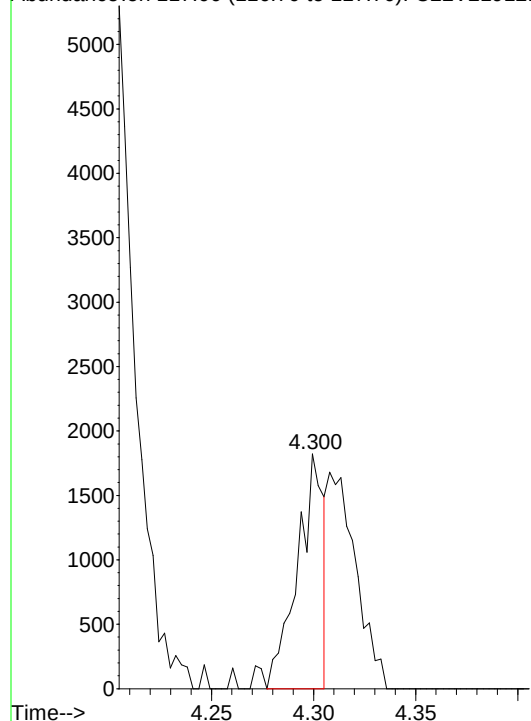
Abundance on 43.00 (42.70 to 43.70): C22V21912.Did



Original Integration

CARBON TETRACHLORIDE

Abundance on 117.00 (116.70 to 117.70): C22V21912.Did



Original Int. Results

RT : 4.30
Area : 1614
Amount: 0.503496

Manual Int. Results

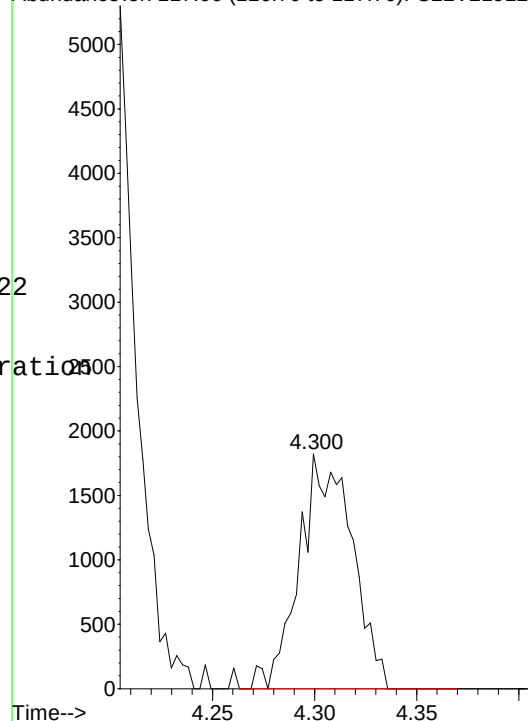
Mon Aug 08 12:18:32 2022

MIuser: EEH
Reason: Incoret Integration
RT : 4.30
Area : 3278
Amount: 1.02259

Manual Integration

CARBON TETRACHLORIDE

Abundance on 117.00 (116.70 to 117.70): C22V21912.Did

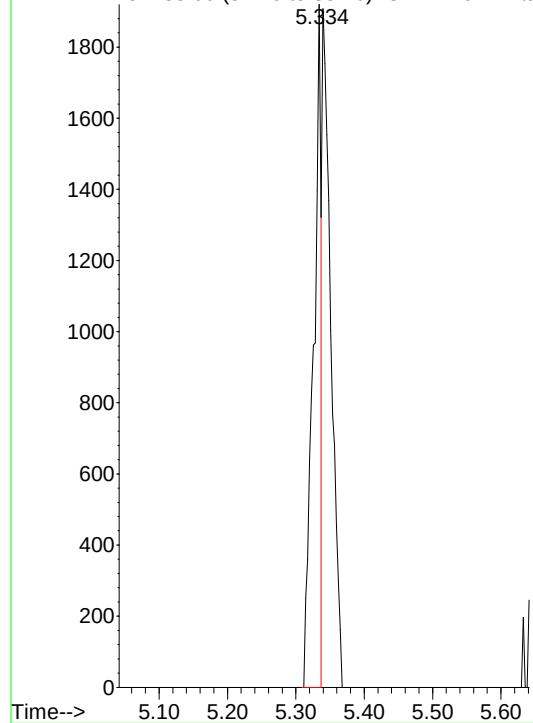


Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21912.D
Acq On : 8 Aug 2022 11:33 am
Operator :
Sample : 8260STD 1.0PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:19:52 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration
METHYLCYCLOHEXANE

Abundance on 83.00 (82.70 to 83.70): C22V21912.D



Original Int. Results

RT : 5.33
Area : 1446
Amount: 0.421656

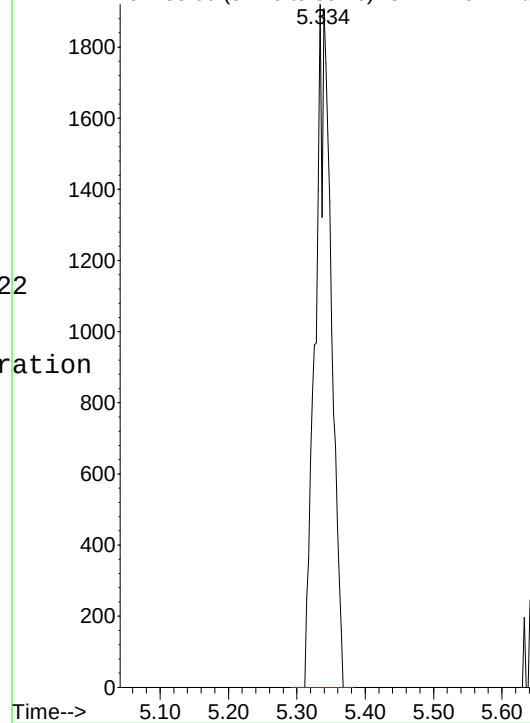
Manual Int. Results

Mon Aug 08 12:18:41 2022

MIuser: EEH
Reason: Incoret Integration
RT : 5.33
Area : 3112
Amount: 0.907465

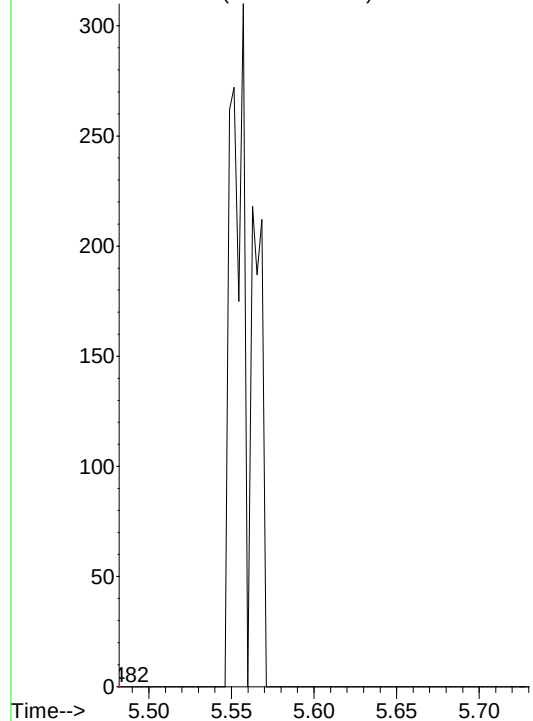
Manual Integration
METHYLCYCLOHEXANE

Abundance on 83.00 (82.70 to 83.70): C22V21912.D



Original Integration
1,4-DIOXANE

Abundance on 88.10 (87.80 to 88.80): C22V21912.D



Original Int. Results

RT : 0.00
Area : 0
Amount: 0

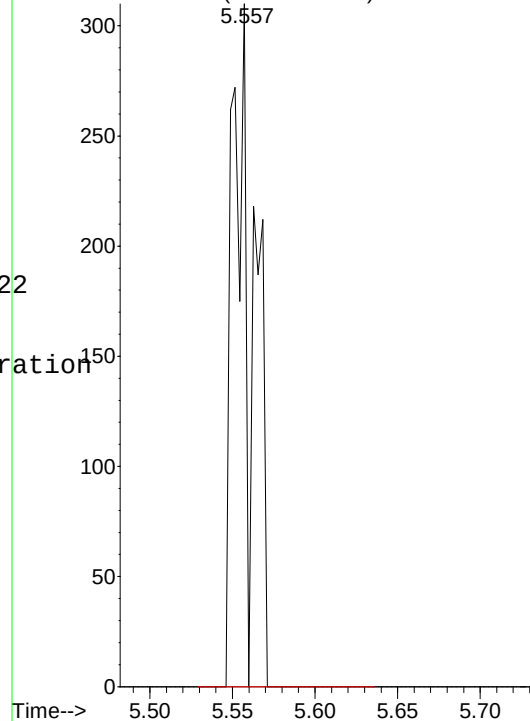
Manual Int. Results

Mon Aug 08 12:18:49 2022

MIuser: EEH
Reason: Incoret Integration
RT : 5.56
Area : 274
Amount: 6.22641

Manual Integration
1,4-DIOXANE

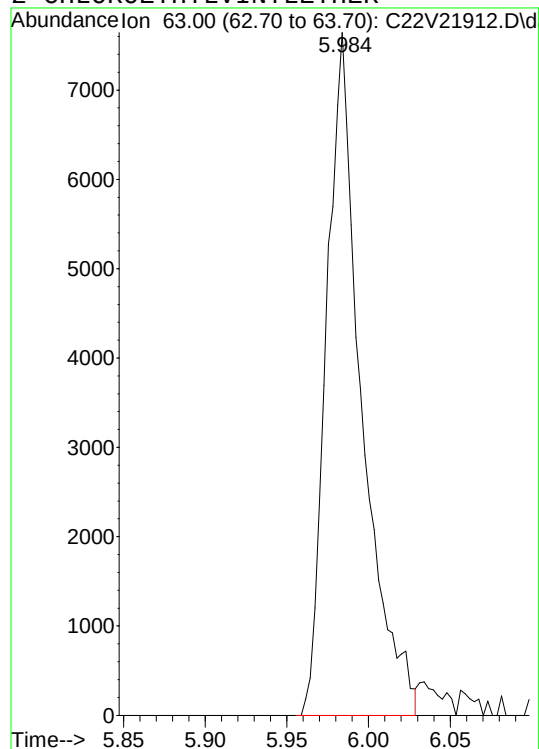
Abundance on 88.10 (87.80 to 88.80): C22V21912.D



Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21912.D
Acq On : 8 Aug 2022 11:33 am
Operator :
Sample : 8260STD 1.0PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:19:52 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration
2-CHLOROETHYLVINYLETHER



Original Int. Results

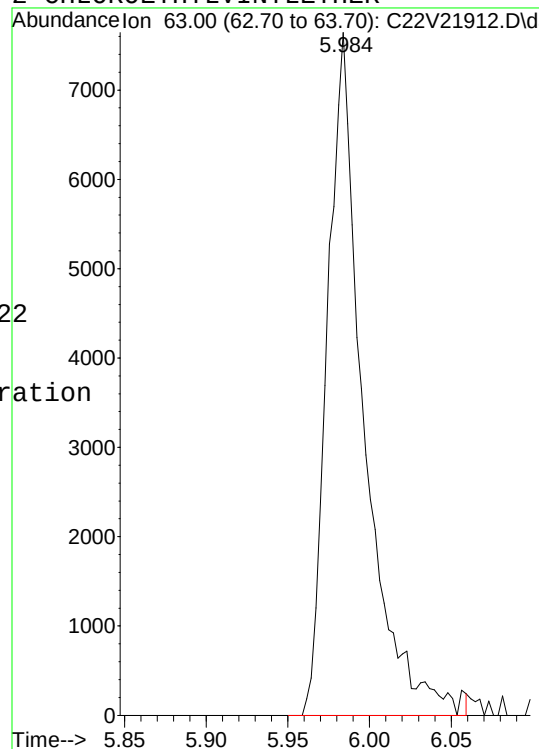
RT : 5.98
Area : 11382
Amount: 7.76174

Manual Int. Results

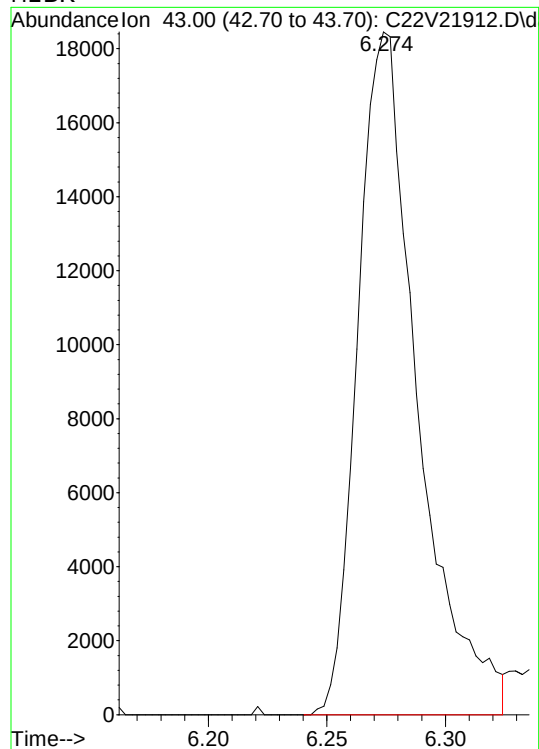
Mon Aug 08 12:18:54 2022

MIuser: EEH
Reason: Incoret Integration
RT : 5.98
Area : 11832
Amount: 8.06861

Manual Integration
2-CHLOROETHYLVINYLETHER



Original Integration
MIBK



Original Int. Results

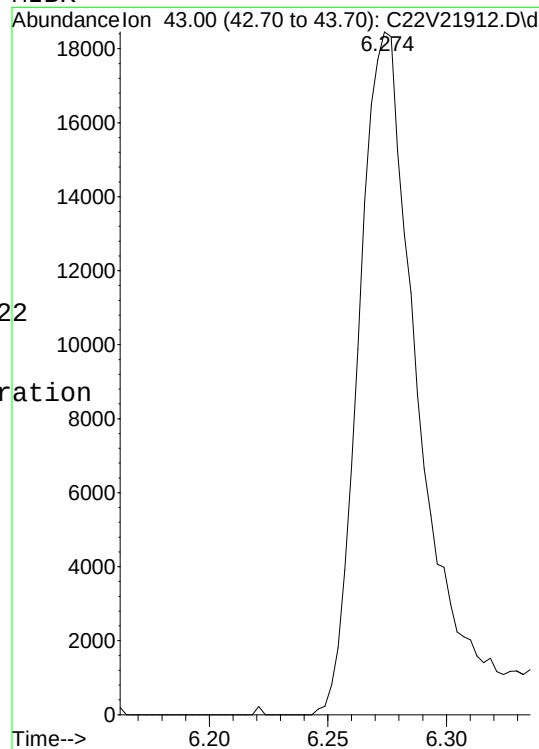
RT : 6.27
Area : 32264
Amount: 7.29887

Manual Int. Results

Mon Aug 08 12:18:58 2022

MIuser: EEH
Reason: Incoret Integration
RT : 6.27
Area : 35205
Amount: 7.96419

Manual Integration
MIBK

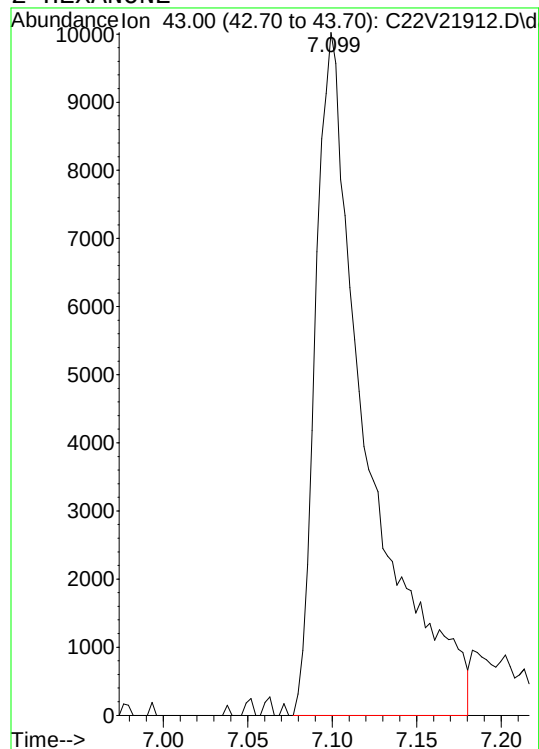


Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21912.D
Acq On : 8 Aug 2022 11:33 am
Operator :
Sample : 8260STD 1.0PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:19:52 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration

2-HEXANONE



Original Int. Results

RT : 7.10
Area : 21157
Amount: 6.66388

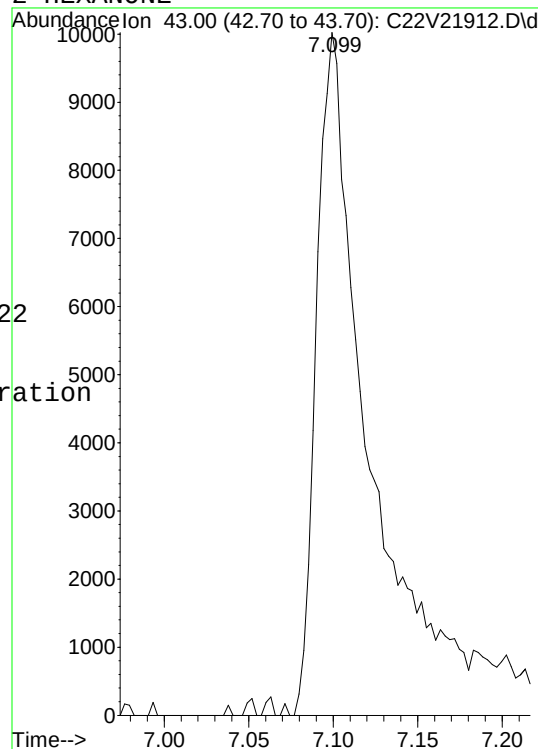
Manual Int. Results

Mon Aug 08 12:19:06 2022

MIuser: EEH
Reason: Incoret Integration
RT : 7.10
Area : 23827
Amount: 7.50486

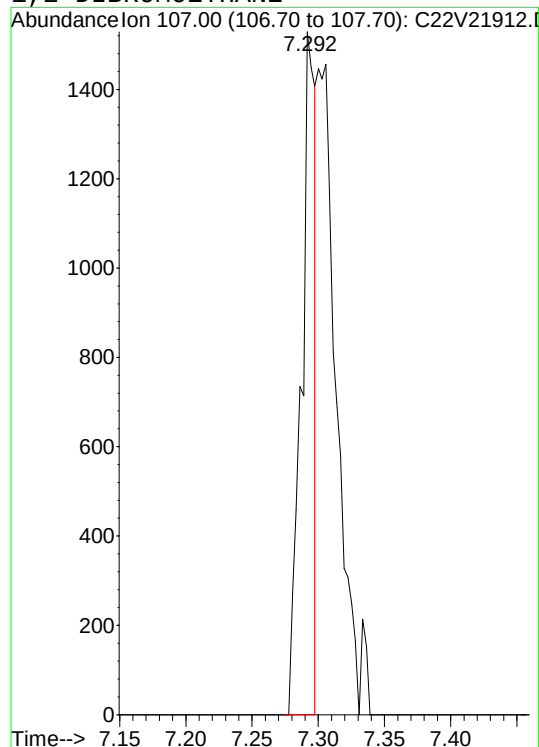
Manual Integration

2-HEXANONE



Original Integration

1,2-DIBROMOETHANE



Original Int. Results

RT : 7.29
Area : 1099
Amount: 0.379955

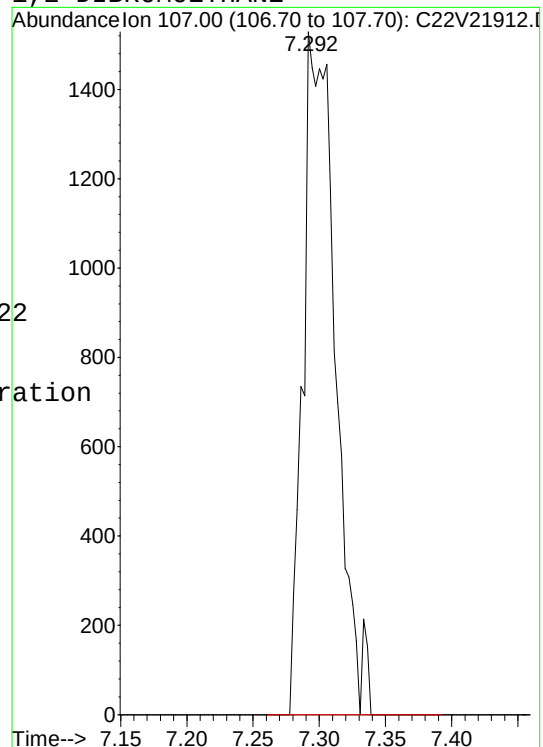
Manual Int. Results

Mon Aug 08 12:19:11 2022

MIuser: EEH
Reason: Incoret Integration
RT : 7.29
Area : 2605
Amount: 0.900622

Manual Integration

1,2-DIBROMOETHANE

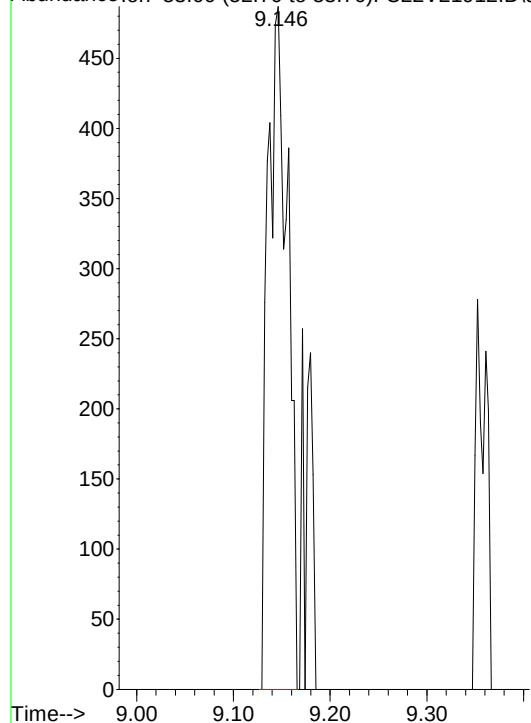


Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21912.D
Acq On : 8 Aug 2022 11:33 am
Operator :
Sample : 8260STD 1.0PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:19:52 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration
1,4-DICHLORO-2-BUTENE (TRANS)

Abundance on 53.00 (52.70 to 53.70): C22V21912.D



Original Int. Results

RT : 9.15
Area : 702
Amount: 0.684278

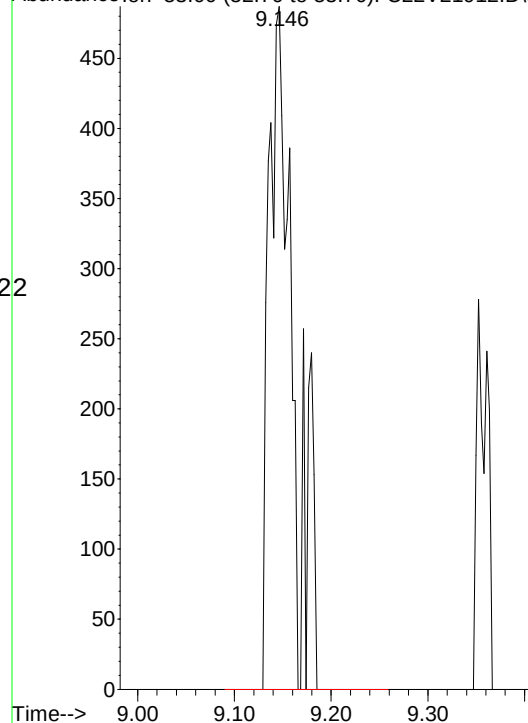
Manual Int. Results

Mon Aug 08 12:19:21 2022

MIuser: EEH
Reason: Other
RT : 9.15
Area : 847
Amount: 0.825617

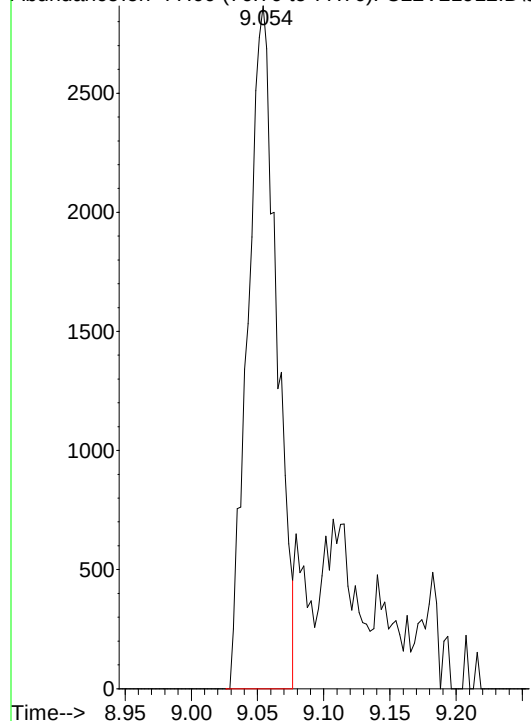
Manual Integration
1,4-DICHLORO-2-BUTENE (TRANS)

Abundance on 53.00 (52.70 to 53.70): C22V21912.D



Original Integration
BROMOBENZENE

Abundance on 77.00 (76.70 to 77.70): C22V21912.D



Original Int. Results

RT : 9.05
Area : 4329
Amount: 0.88539

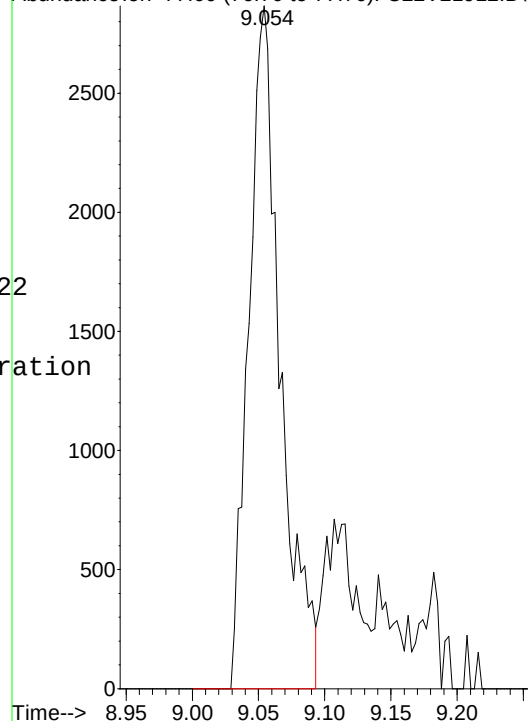
Manual Int. Results

Mon Aug 08 12:19:25 2022

MIuser: EEH
Reason: Incoret Integration
RT : 9.05
Area : 4767
Amount: 0.974972

Manual Integration
BROMOBENZENE

Abundance on 77.00 (76.70 to 77.70): C22V21912.D

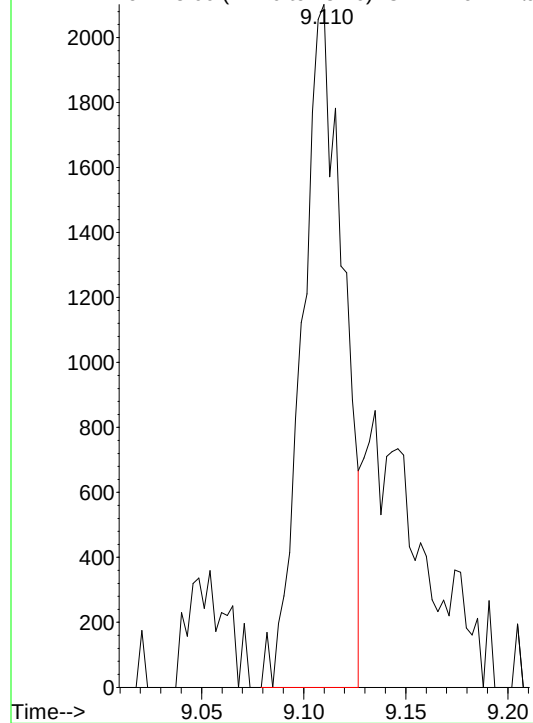


Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21912.D
Acq On : 8 Aug 2022 11:33 am
Operator :
Sample : 8260STD 1.0PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:19:52 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration
1,2,3-TRICHLOROPROPANE

Abundance on 75.00 (74.70 to 75.70): C22V21912.Did



Original Int. Results

RT : 9.11
Area : 2949
Amount: 0.869142

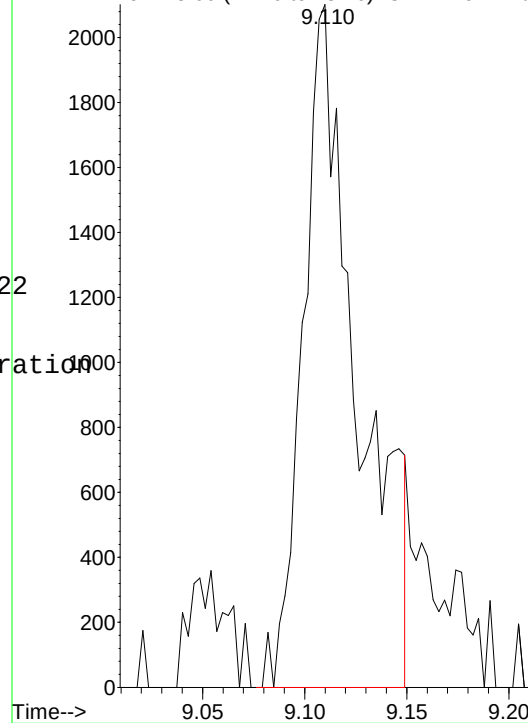
Manual Int. Results

Mon Aug 08 12:19:29 2022

MIuser: EEH
Reason: Incoret Integration
RT : 9.11
Area : 3907
Amount: 1.15149

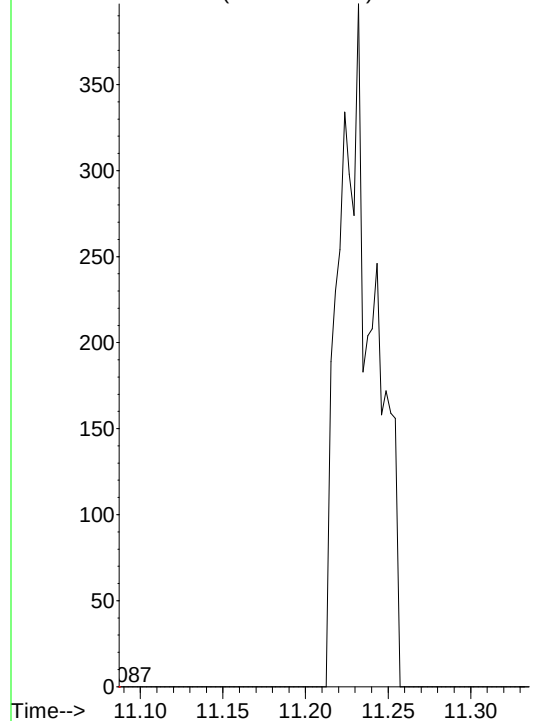
Manual Integration
1,2,3-TRICHLOROPROPANE

Abundance on 75.00 (74.70 to 75.70): C22V21912.Did



Original Integration
1,2-DIBROMO-3-CHLOROPROPANE

Abundance on 75.00 (74.70 to 75.70): C22V21912.Did



Original Int. Results

RT : 0.00
Area : 0
Amount: 0

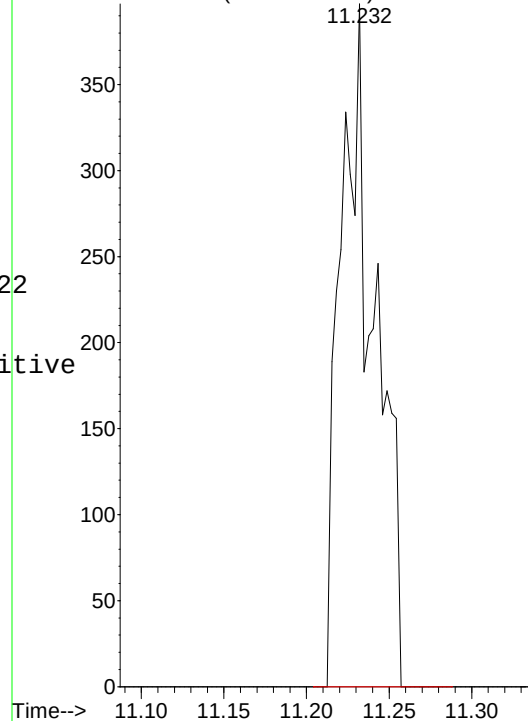
Manual Int. Results

Mon Aug 08 12:19:39 2022

MIuser: EEH
Reason: Qdel False Positive
RT : 11.23
Area : 579
Amount: 0.806502

Manual Integration
1,2-DIBROMO-3-CHLOROPROPANE

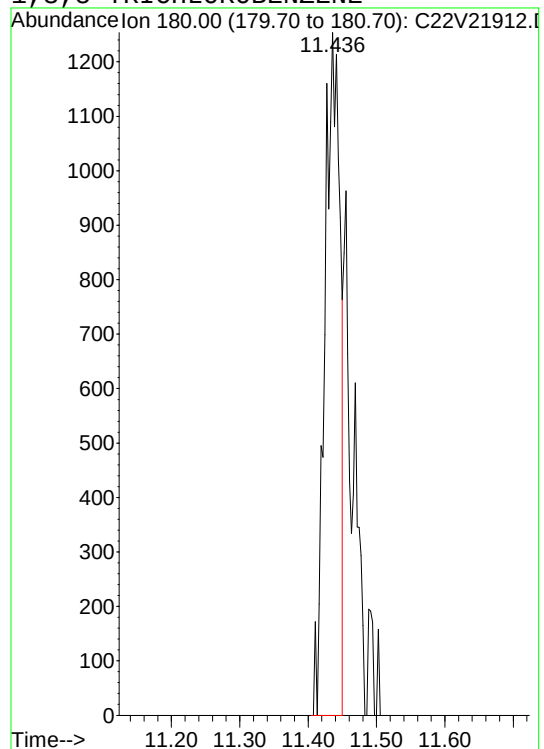
Abundance on 75.00 (74.70 to 75.70): C22V21912.Did



Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21912.D
Acq On : 8 Aug 2022 11:33 am
Operator :
Sample : 8260STD 1.0PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:19:52 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration
1,3,5-TRICHLOROBENZENE



Original Int. Results

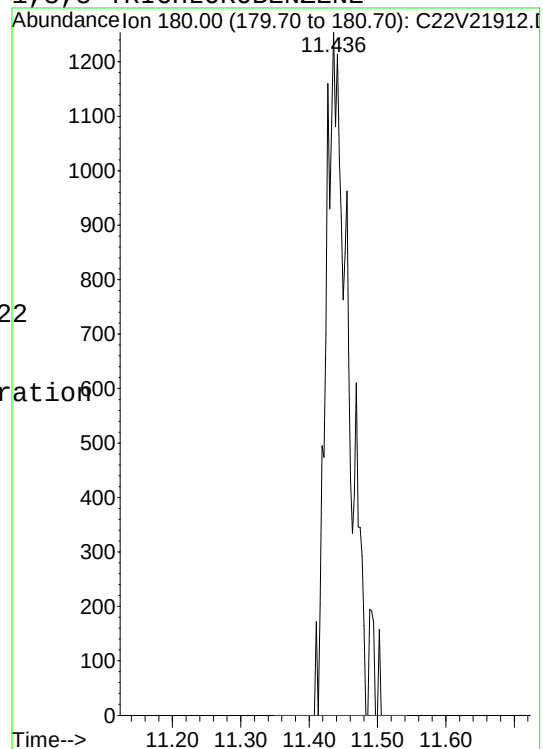
RT : 11.44
Area : 1920
Amount: 0.538942

Manual Int. Results

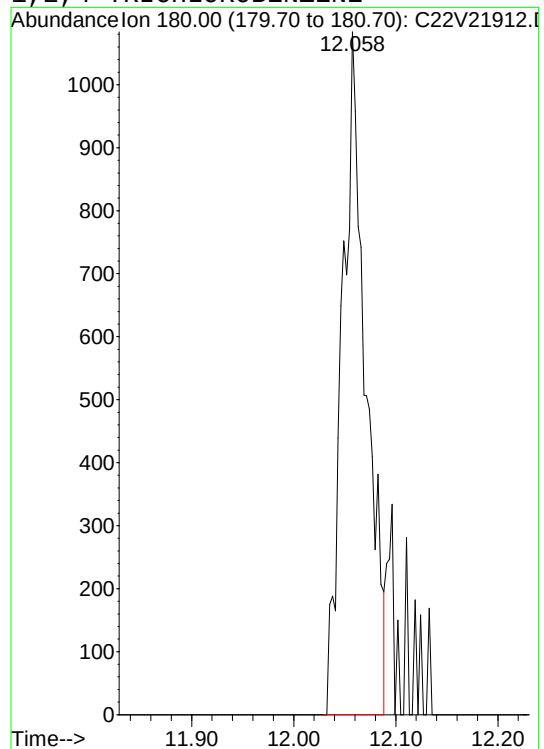
Mon Aug 08 12:19:42 2022

MIuser: EEH
Reason: Incoret Integration
RT : 11.44
Area : 2944
Amount: 0.826378

Manual Integration
1,3,5-TRICHLOROBENZENE



Original Integration
1,2,4-TRICHLOROBENZENE



Original Int. Results

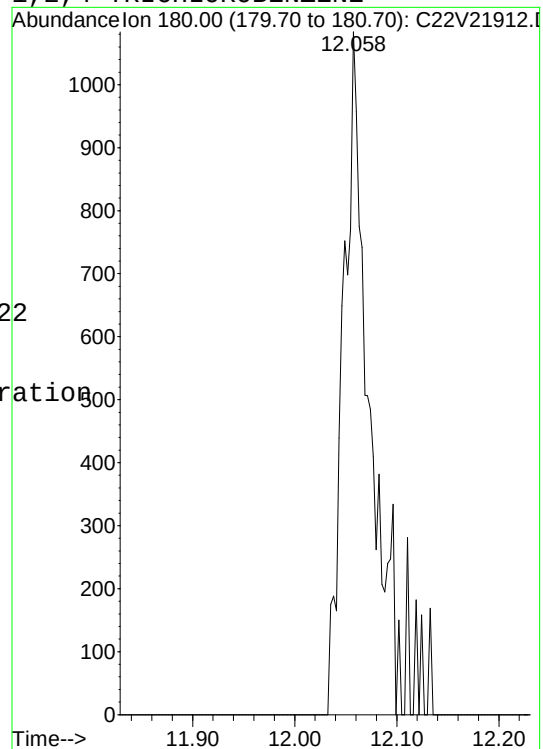
RT : 12.06
Area : 1731
Amount: 0.515846

Manual Int. Results

Mon Aug 08 12:19:44 2022

MIuser: EEH
Reason: Incoret Integration
RT : 12.06
Area : 2026
Amount: 0.603758

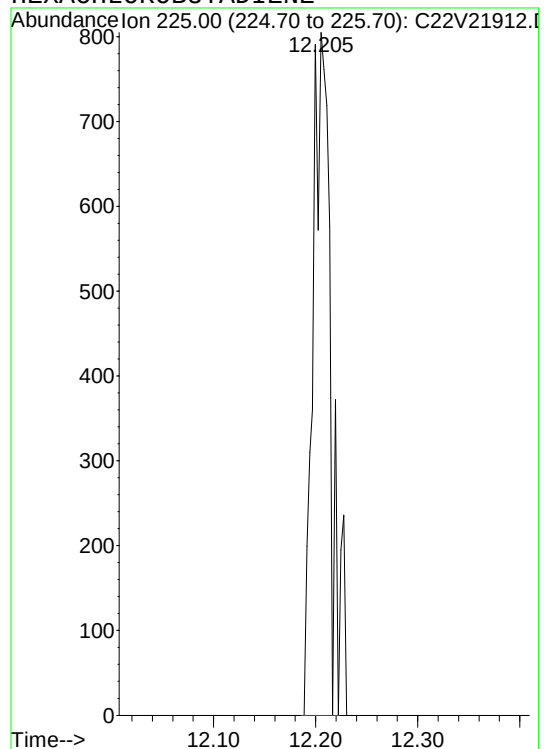
Manual Integration
1,2,4-TRICHLOROBENZENE



Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21912.D
Acq On : 8 Aug 2022 11:33 am
Operator :
Sample : 8260STD 1.0PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:19:52 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration
HEXACHLOROBUTADIENE



Original Int. Results

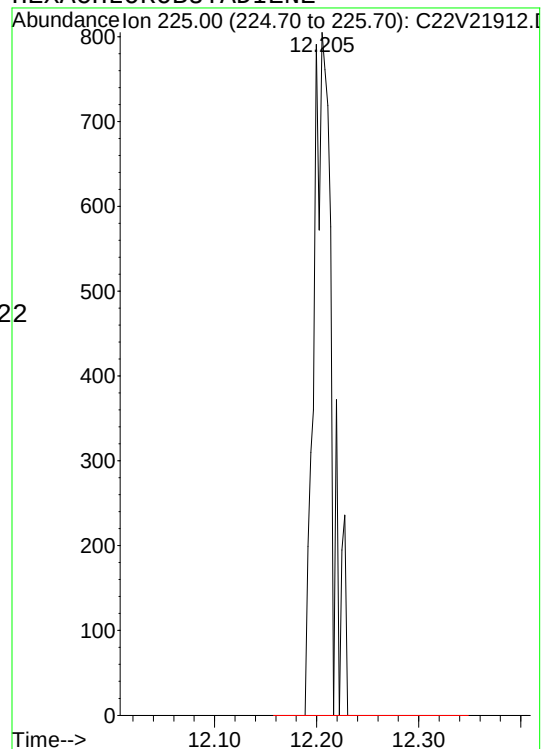
RT : 12.21
Area : 914
Amount: 0.715228

Manual Int. Results

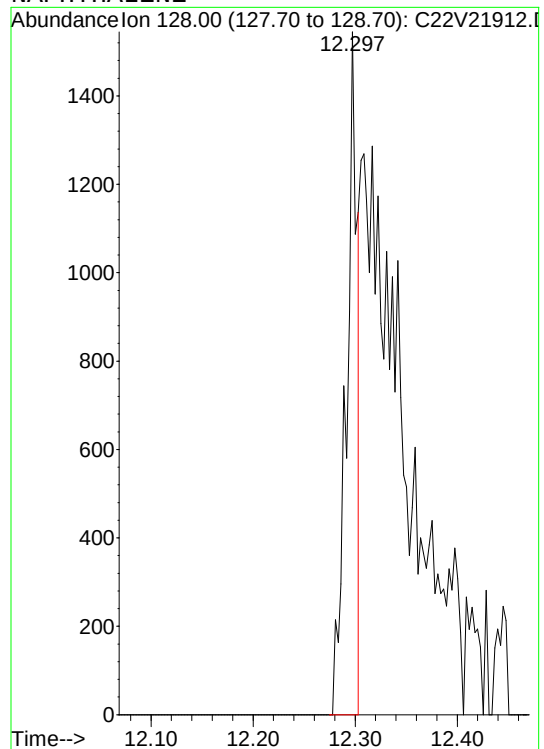
Mon Aug 08 12:19:47 2022

MIuser: EEH
Reason: Other
RT : 12.21
Area : 987
Amount: 0.772352

Manual Integration
HEXACHLOROBUTADIENE



Original Integration
NAPHTHALENE



Original Int. Results

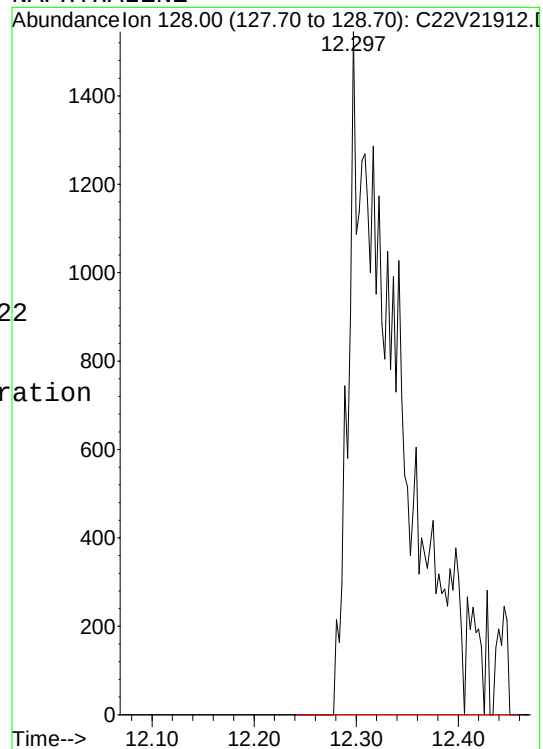
RT : 12.30
Area : 1117
Amount: 0.111355

Manual Int. Results

Mon Aug 08 12:19:50 2022

MIuser: EEH
Reason: Incoret Integration
RT : 12.30
Area : 5327
Amount: 0.531057

Manual Integration
NAPHTHALENE

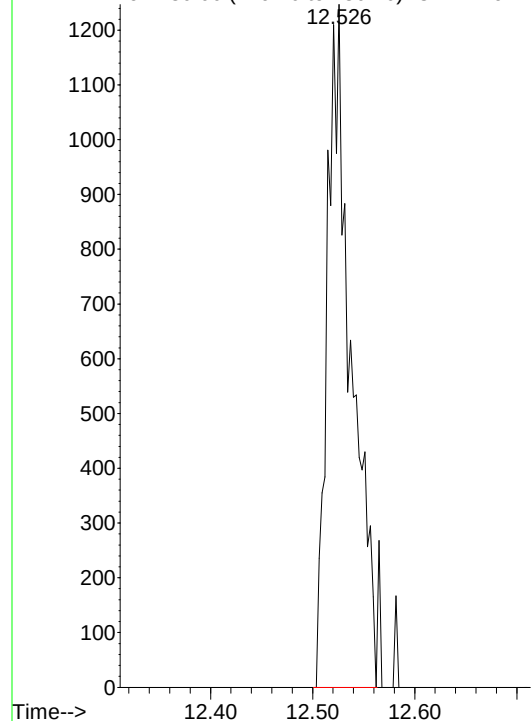


Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21912.D
Acq On : 8 Aug 2022 11:33 am
Operator :
Sample : 8260STD 1.0PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:19:52 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration
1,2,3-TRICHLOROBENZENE

Abundance on 180.00 (179.70 to 180.70): C22V21912.D



Original Int. Results

RT : 12.53
Area : 2038
Amount: 0.61146

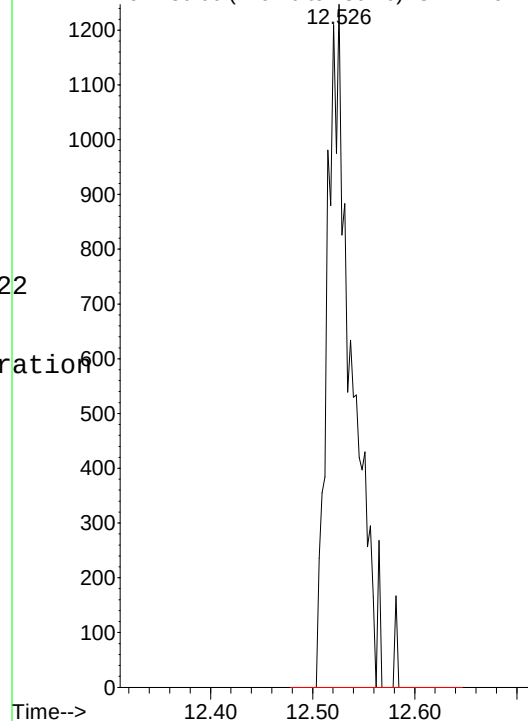
Manual Int. Results

Mon Aug 08 12:19:52 2022

MIuser: EEH
Reason: Incoret Integration
RT : 12.53
Area : 2110
Amount: 0.633062

Manual Integration
1,2,3-TRICHLOROBENZENE

Abundance on 180.00 (179.70 to 180.70): C22V21912.D



Data Path : C:\msdchem\1\data\C080822\
 Data File : C22V21913.D
 Acq On : 8 Aug 2022 11:58 am
 Operator :
 Sample : 8260STD 2.0PPB 2206105
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Inst : GCMSVOA3

Quant Time: Aug 08 12:21:53 2022
 Quant Method : C:\msdchem\1\methods\C051619.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Mon Aug 08 11:15:01 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) PENTAFLUOROBENZENE - ISTD	4.194	168	191246	30.00	UG/L	0.00
48) 1,4-DIFLUOROBENZENE - ...	4.916	114	281380	30.00	UG/L	0.00
70) CHLOROBENZENE-D5 ISTD	7.749	82	138580	30.00	UG/L	0.00
89) 1,4-DICHLOROBENZENE-D4...	10.047	152	132836	30.00	UG/L	# 0.00
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4 SS	4.467	65	91527	25.44	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	101.76%	
49) TOLUENE SS	6.352	98	276973	24.68	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	98.72%	
71) 4-BROMOFLUOROBENZENE SS	8.909	95	101308	24.64	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	98.56%	
Target Compounds						
					Qvalue	
3) DICHLORODIFLUOROMETHANE	1.087	85	5656	1.81	UG/L	99
4) DIFLUOROCHLOROMETHANE	1.093	51	7218	1.94	UG/L	# 100
5) CHLOROMETHANE	1.196	50	10248	2.46	UG/L	# 27
6) VINYL CHLORIDE	1.260	62	6558	1.97	UG/L	# 82
7) BROMOMETHANE	1.455	94	4567	2.52	UG/L	99
8) CHLOROETHANE	1.517	64	4892	2.66	UG/L	92
9) FLUORODICHLOROMETHANE	1.639	67	10902	2.17	UG/L	96
10) TRICHLOROFLUOROMETHANE	1.678	101	8380	2.26	UG/L	98
11) ETHANOL	1.795	45	1842	28.26	UG/L	# 66
12) DI ETHYL ETHER	1.868	59	4758	2.02	UG/L	89
13) ACROLEIN	1.957	56	10790	13.71	UG/L	91
14) ACETONE	2.069	43	22417	18.69	UG/L	95
15) 1,1-DICHLOROETHENE	2.024	61	8599	2.32	UG/L	96
16) 1,1,2-TRICL-1,2,2-TRIF...	2.024	101	5096	2.51	UG/L	82
17) IODOMETHANE	2.138	142	55096	18.19	UG/L	99
20) METHYL ACETATE	2.320	43	9080	2.44	UG/L	# 82
21) T-BUTYL ALCOHOL	2.509	59	9297	20.15	UG/L	# 97
22) ACRYLONITRILE	2.618	53	2743m	1.73	UG/L	
23) METHYLENE CHLORIDE	2.395	49	8180	2.08	UG/L	96
24) CARBON DISULFIDE	2.191	76	162961	22.83	UG/L	100
25) METHYL TERT-BUTYL ETHE...	2.643	73	17731	2.12	UG/L	97
26) TRANS 1,2-DICHLOROETHENE	2.629	61	7656	2.00	UG/L	96
27) 1,1-DICHLOROETHANE	3.042	63	10053	1.96	UG/L	98
28) VINYL ACETATE	3.112	43	165358	16.78	UG/L	99
29) DI ISOPROYL ETHER	3.123	45	19849	1.79	UG/L	98
31) 2-BUTANONE	3.681	43	31842	14.78	UG/L	# 62
32) T-BUTYL ETHYL ETHER	3.508	59	17314	1.87	UG/L	99
33) CIS-1,2-DICHLOROETHENE	3.644	61	8634	1.93	UG/L	95
34) 2,2-DICHLOROPROPANE	3.636	77	7908	2.06	UG/L	# 73
35) ETHYL ACETATE	3.759	43	8738m	2.01	UG/L	
38) BROMOCHLOROMETHANE	3.881	49	5178	1.97	UG/L	97
39) TETRAHYDROFURAN	3.957	42	2148m	1.67	UG/L	
40) CHLOROFORM	3.968	83	9470	1.99	UG/L	98
41) 1,1,1-TRICHLOROETHANE	4.141	97	7988	2.10	UG/L	90
42) CYCLOHEXANE	4.191	56	11347	2.52	UG/L	# 74
43) CARBON TETRACHLORIDE	4.308	117	6566	2.06	UG/L	# 53
44) 1,1-DICHLOROPROPENE	4.314	75	6934	1.97	UG/L	93
45) BENZENE	4.517	78	20981	1.91	UG/L	# 93
47) T-AMYL METHYL ETHER	4.657	73	16581	2.02	UG/L	96
50) 1,2-DICHLOROETHANE	4.548	62	7931	2.07	UG/L	# 94
51) TRICHLOROETHENE	5.164	95	5306	2.14	UG/L	91
52) METHYLCYCLOHEXANE	5.334	83	6416	1.89	UG/L	94
53) 1,2-DICHLOROPROPANE	5.384	63	5865	1.98	UG/L	# 97

Data Path : C:\msdchem\1\data\C080822\
 Data File : C22V21913.D
 Acq On : 8 Aug 2022 11:58 am
 Operator :
 Sample : 8260STD 2.0PPB 2206105
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Inst : GCMSVOA3

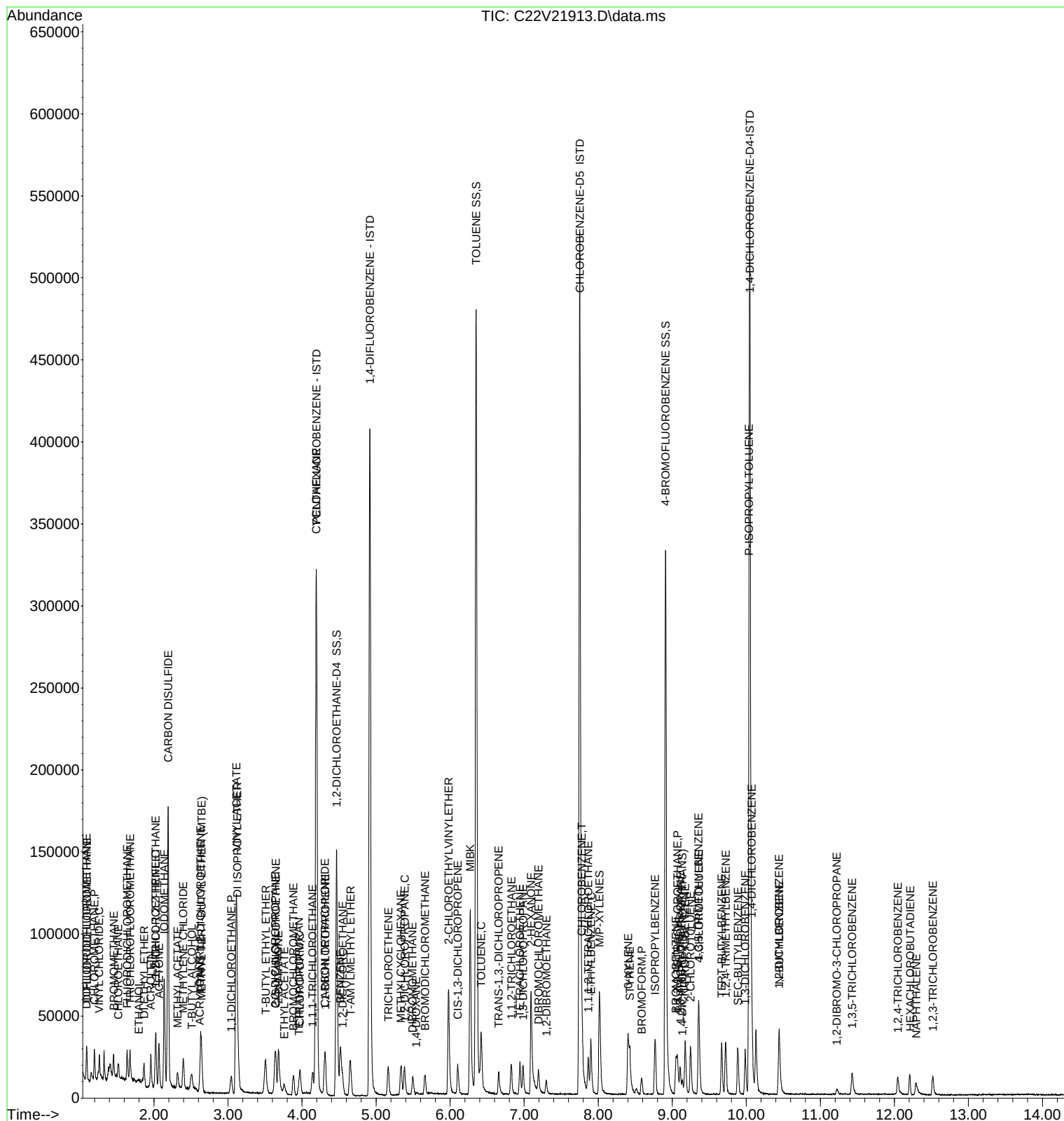
Quant Time: Aug 08 12:21:53 2022
 Quant Method : C:\msdchem\1\methods\C051619.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Mon Aug 08 11:15:01 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
54) DIBROMOMETHANE	5.493	93	3526	1.92	UG/L	96
56) 1,4-DIOXANE	5.541	88	722m	16.61	UG/L	
57) BROMODICHLOROMETHANE	5.660	83	7232	2.04	UG/L #	97
58) 2-CHLOROETHYL VINYLETHYR	5.978	63	24357	16.81	UG/L	96
59) MIBK	6.268	43	70892	16.23	UG/L	99
60) CIS-1,3-DICHLOROPROPENE	6.104	75	8457	1.87	UG/L	95
61) TOLUENE	6.419	91	22413	2.06	UG/L	92
62) TRANS-1,3-DICHLOROPRO...	6.653	75	7265	1.78	UG/L	93
64) 1,1,2-TRICHLOROETHANE	6.826	97	5279	2.06	UG/L	97
65) 2-HEXANONE	7.094	43	47327m	15.09	UG/L	
66) TETRACHLOROETHENE	6.943	166	5393	2.14	UG/L	95
67) 1,3-DICHLOROPROPANE	6.985	76	9345	1.96	UG/L	100
68) DIBROMOCHLOROMETHANE	7.194	129	5917	2.01	UG/L	97
69) 1,2-DIBROMOETHANE	7.300	107	5516	1.93	UG/L	97
72) CHLOROBENZENE	7.777	112	14026	2.05	UG/L	94
73) 1,1,1,2-TETRACHLOROETHANE	7.866	131	5079	2.08	UG/L	94
74) ETHYLBENZENE	7.903	91	22700	1.93	UG/L	95
75) M/P-XYLENES	8.017	91	36382	4.08	UG/L	94
76) O-XYLENE	8.404	91	18859	2.05	UG/L	100
77) STYRENE	8.424	104	14310	1.93	UG/L	99
78) BROMOFORM	8.589	173	4367	2.03	UG/L #	90
79) ISOPROPYLBENZENE	8.767	105	21905	2.06	UG/L	98
81) 1,1,2,2-TETRACHLOROETHANE	9.071	83	8506	2.10	UG/L #	92
82) 1,4-DICHLORO-2-BUTENE(...	9.135	53	2158m	2.11	UG/L	
83) BROMOBENZENE	9.049	77	9467	1.94	UG/L	92
84) 1,2,3-TRICHLOROPROPANE	9.110	75	6365	1.88	UG/L	97
85) N-PROPYLBENZENE	9.174	91	23511	1.88	UG/L	98
86) 2-CHLOROTOLUENE	9.247	91	14942	1.88	UG/L	99
87) 1,3,5-TRIMETHYLBENZENE	9.355	105	16854	1.90	UG/L	100
88) 4-CHLOROTOLUENE	9.361	91	18045	1.99	UG/L	94
90) TERT-BUTYLBENZENE	9.668	119	14149	1.97	UG/L	93
91) 1,2,4-TRIMETHYLBENZENE	9.721	105	16958	1.87	UG/L	99
92) SEC-BUTYLBENZENE	9.888	105	19097	1.89	UG/L	94
93) 1,3-DICHLOROBENZENE	9.986	146	10486	2.00	UG/L	98
94) P-ISOPROPYLTOLUENE	10.036	119	16092	1.85	UG/L	97
95) 1,4-DICHLOROBENZENE	10.072	146	10982	1.97	UG/L	92
97) N-BUTYLBENZENE	10.446	91	12776	1.63	UG/L	95
98) 1,2-DICHLOROBENZENE	10.440	146	10652	2.01	UG/L	97
99) 1,2-DIBROMO-3-CHLOROPR...	11.218	75	1241m	1.70	UG/L	
100) 1,3,5-TRICHLOROBENZENE	11.427	180	6003	1.66	UG/L	94
101) 1,2,4-TRICHLOROBENZENE	12.046	180	4834m	1.42	UG/L	
102) HEXACHLOROBUTADIENE	12.211	225	2619	2.02	UG/L #	84
103) NAPHTHALENE	12.295	128	12651m	1.24	UG/L	
104) 1,2,3-TRICHLOROBENZENE	12.518	180	4622m	1.37	UG/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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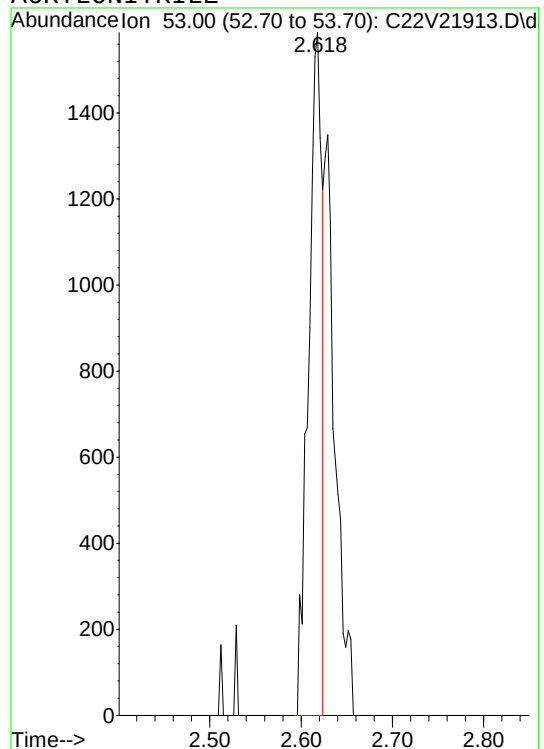
Quant Time: Aug 08 12:21:53 2022
Quant Method : C:\msdchem\1\methods\C051619.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
QLast Update : Mon Aug 08 11:15:01 2022
Response via : Initial Calibration



Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21913.D
Acq On : 8 Aug 2022 11:58 am
Operator :
Sample : 8260STD 2.0PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:21:53 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration
ACRYLONITRILE



Original Int. Results

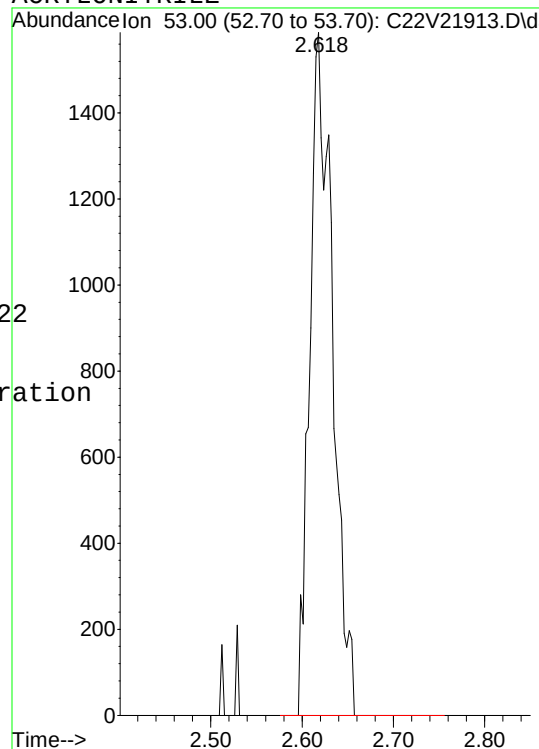
RT : 2.62
Area : 1616
Amount: 1.02042

Manual Int. Results

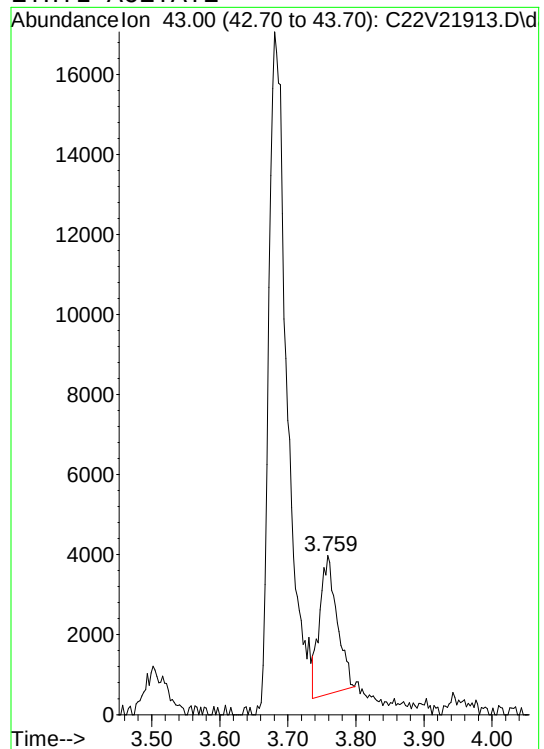
Mon Aug 08 12:20:30 2022

MIuser: EEH
Reason: Incoret Integration
RT : 2.62
Area : 2743
Amount: 1.73207

Manual Integration
ACRYLONITRILE



Original Integration
ETHYL ACETATE



Original Int. Results

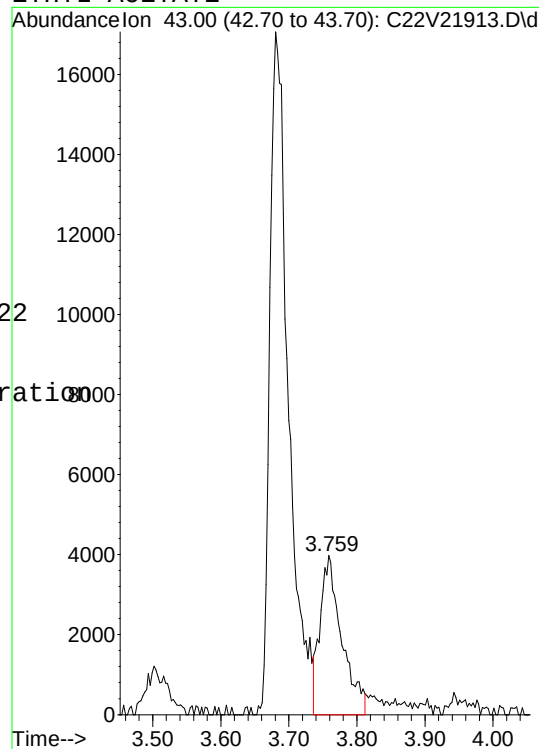
RT : 3.76
Area : 6159
Amount: 1.41543

Manual Int. Results

Mon Aug 08 12:20:43 2022

MIuser: EEH
Reason: Incoret Integration
RT : 3.76
Area : 8738
Amount: 2.00812

Manual Integration
ETHYL ACETATE

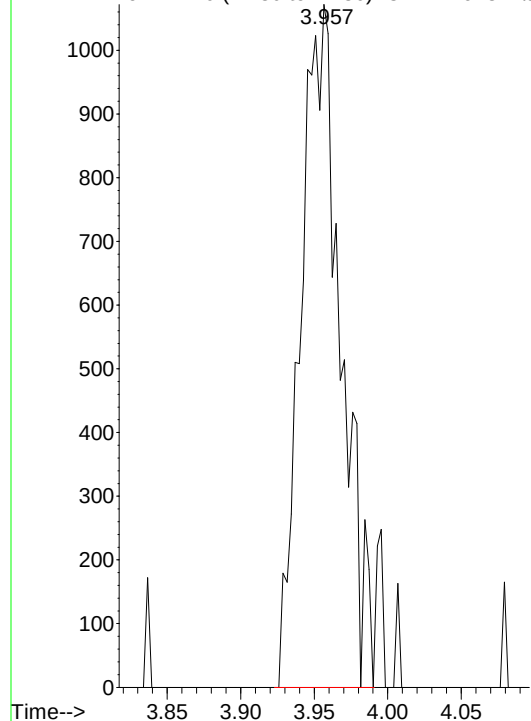


Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21913.D
Acq On : 8 Aug 2022 11:58 am
Operator :
Sample : 8260STD 2.0PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:21:53 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration
TETRAHYDROFURAN

Abundance Ion 42.10 (41.80 to 42.80): C22V21913.D



Original Int. Results

RT : 3.96
Area : 2043
Amount: 1.58851

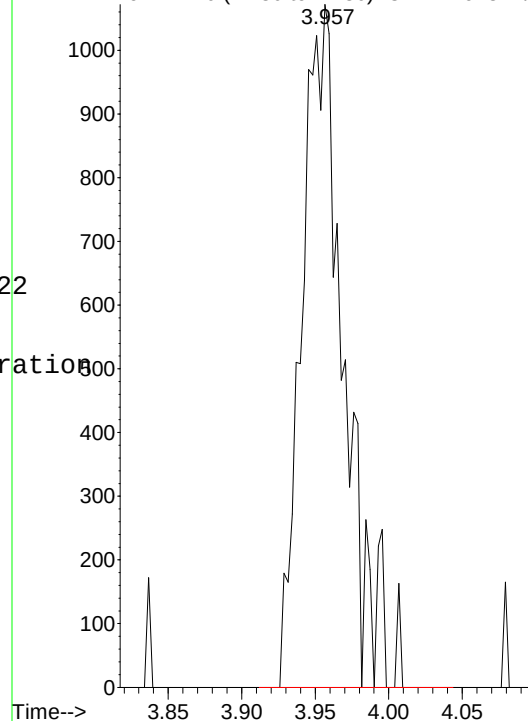
Manual Int. Results

Mon Aug 08 12:20:49 2022

MIuser: EEH
Reason: Incoret Integration
RT : 3.96
Area : 2148
Amount: 1.67015

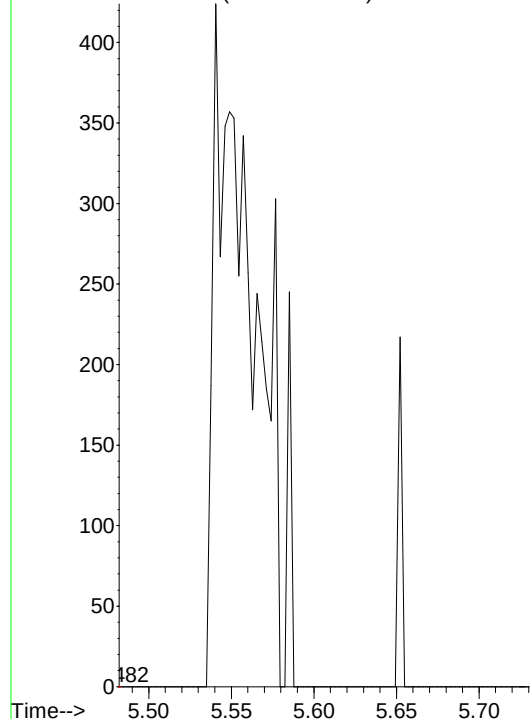
Manual Integration
TETRAHYDROFURAN

Abundance Ion 42.10 (41.80 to 42.80): C22V21913.D



Original Integration
1,4-DIOXANE

Abundance Ion 88.10 (87.80 to 88.80): C22V21913.D



Original Int. Results

RT : 0.00
Area : 0
Amount: 0

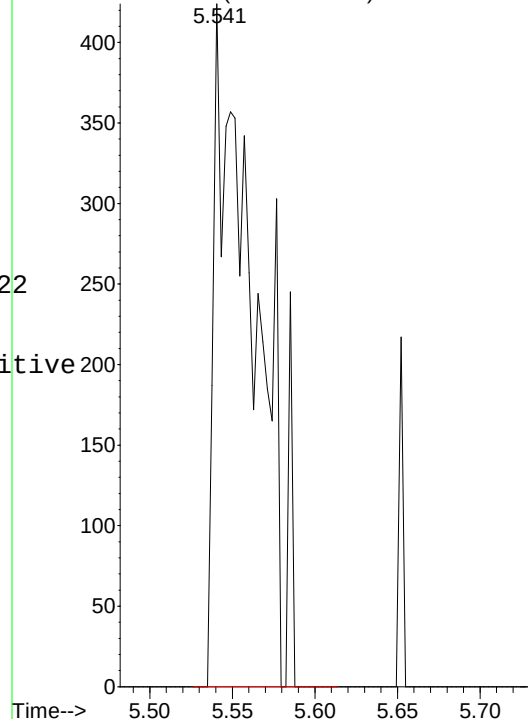
Manual Int. Results

Mon Aug 08 12:21:02 2022

MIuser: EEH
Reason: Qdel False Positive
RT : 5.54
Area : 722
Amount: 16.6073

Manual Integration
1,4-DIOXANE

Abundance Ion 88.10 (87.80 to 88.80): C22V21913.D

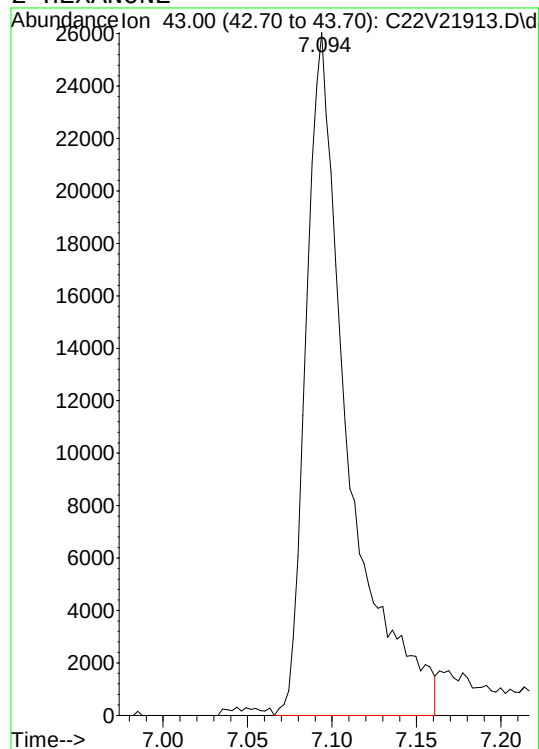


Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21913.D
Acq On : 8 Aug 2022 11:58 am
Operator :
Sample : 8260STD 2.0PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:21:53 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration

2-HEXANONE



Original Int. Results

RT : 7.09
Area : 44841
Amount: 14.2963

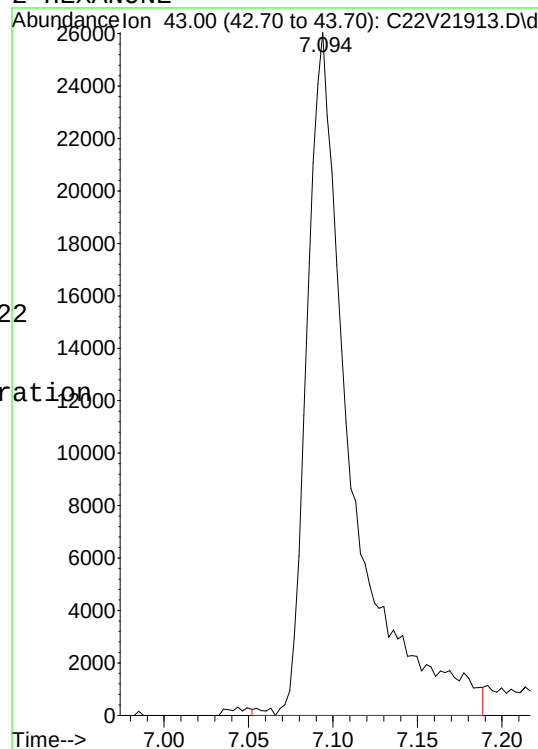
Manual Int. Results

Mon Aug 08 12:21:11 2022

MIuser: EEH
Reason: Incoret Integration
RT : 7.09
Area : 47327
Amount: 15.0889

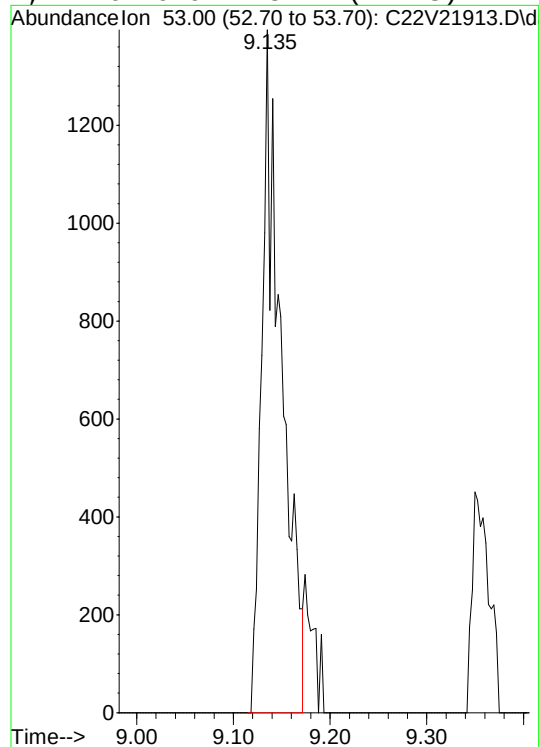
Manual Integration

2-HEXANONE



Original Integration

1,4-DICHLORO-2-BUTENE(TRANS)



Original Int. Results

RT : 9.14
Area : 1965
Amount: 1.91798

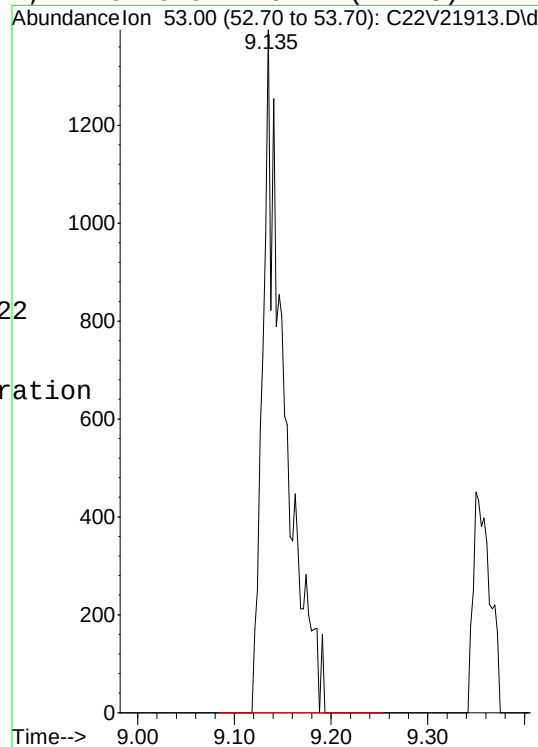
Manual Int. Results

Mon Aug 08 12:21:24 2022

MIuser: EEH
Reason: Incoret Integration
RT : 9.14
Area : 2158
Amount: 2.10636

Manual Integration

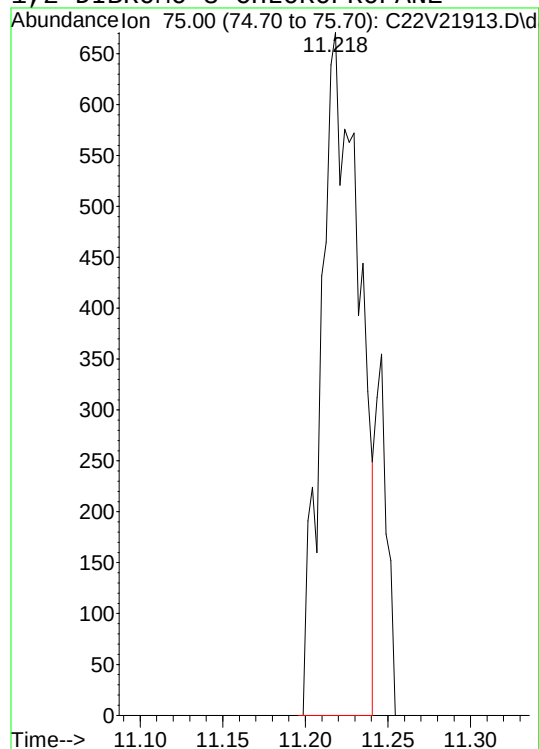
1,4-DICHLORO-2-BUTENE(TRANS)



Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21913.D
Acq On : 8 Aug 2022 11:58 am
Operator :
Sample : 8260STD 2.0PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:21:53 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration
1,2-DIBROMO-3-CHLOROPROPANE



Original Int. Results

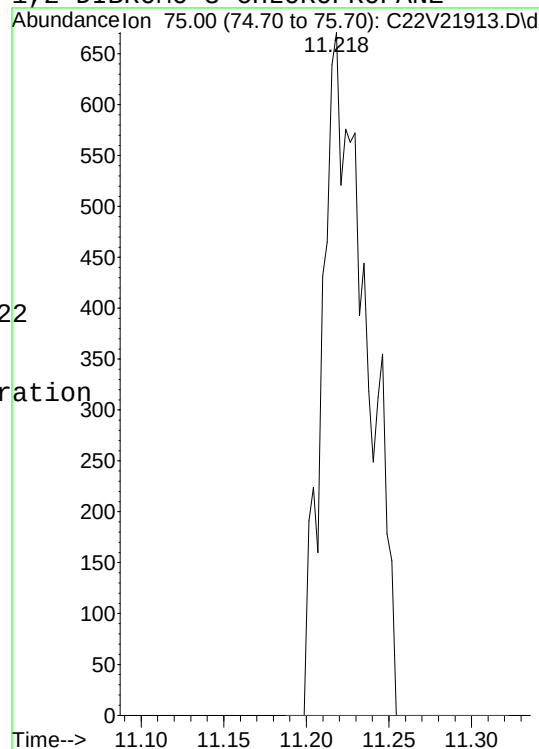
RT : 11.22
Area : 1074
Amount: 1.47451

Manual Int. Results

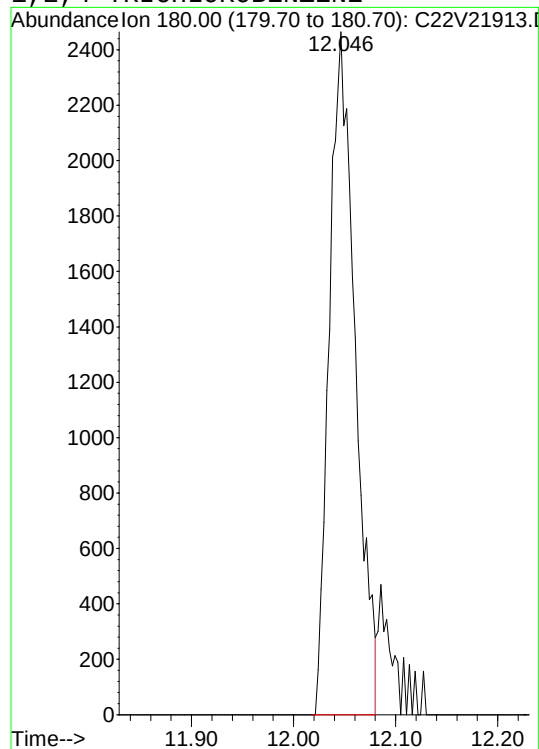
Mon Aug 08 12:21:40 2022

MIuser: EEH
Reason: Incoret Integration
RT : 11.22
Area : 1241
Amount: 1.70379

Manual Integration
1,2-DIBROMO-3-CHLOROPROPANE



Original Integration
1,2,4-TRICHLOROBENZENE



Original Int. Results

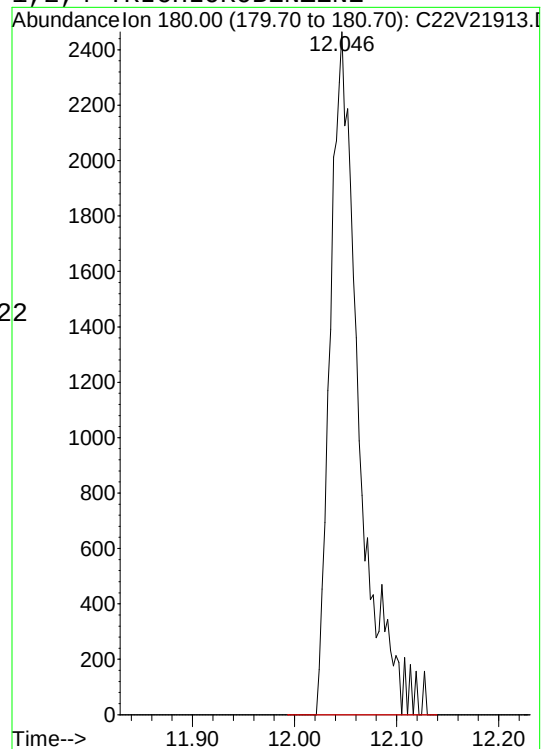
RT : 12.05
Area : 4344
Amount: 1.27594

Manual Int. Results

Mon Aug 08 12:21:45 2022

MIuser: EEH
Reason: Other
RT : 12.05
Area : 4834
Amount: 1.41986

Manual Integration
1,2,4-TRICHLOROBENZENE



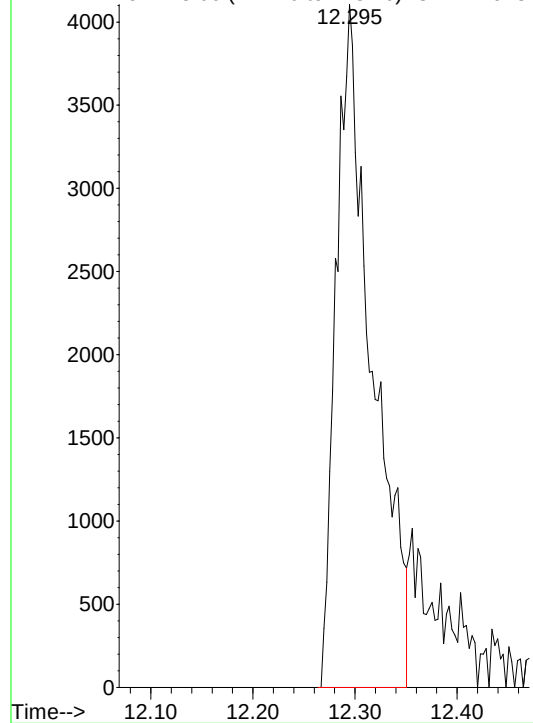
Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21913.D
Acq On : 8 Aug 2022 11:58 am
Operator :
Sample : 8260STD 2.0PPB 2206105
Misc :

Quant Time : Mon Aug 08 12:21:53 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration

NAPHTHALENE

Abundance on 128.00 (127.70 to 128.70): C22V21913.D



Original Int. Results

RT : 12.29
Area : 10064
Amount: 0.988884

Manual Int. Results

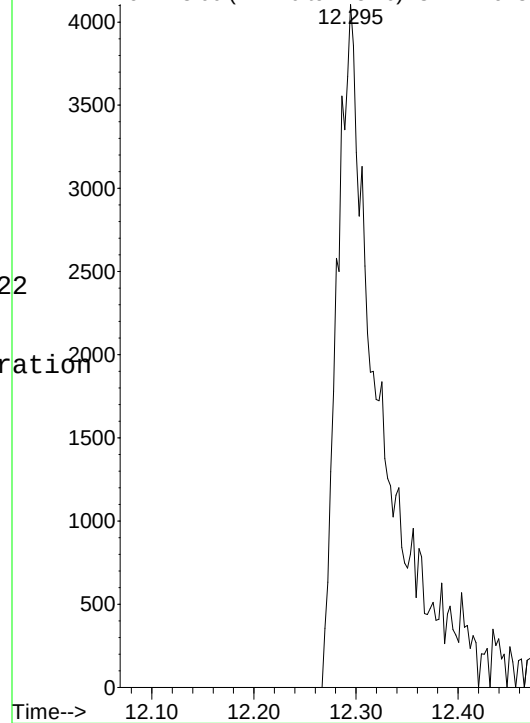
Mon Aug 08 12:21:50 2022

MIuser: EEH
Reason: Incoret Integration
RT : 12.29
Area : 12651
Amount: 1.24308

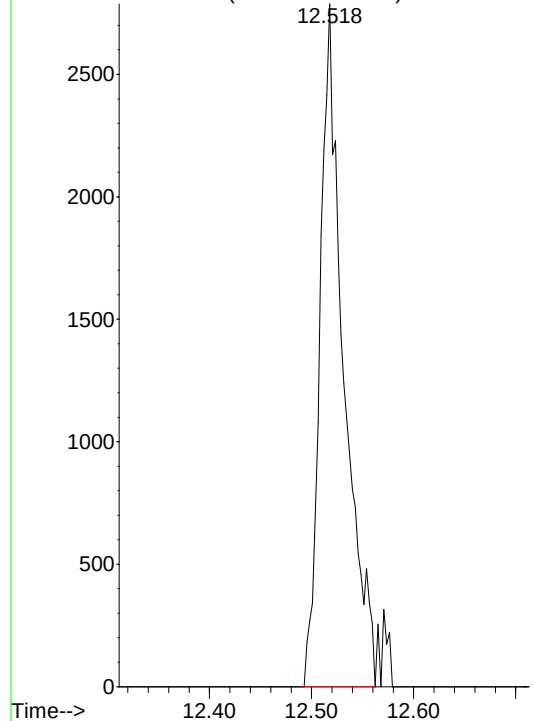
Manual Integration

NAPHTHALENE

Abundance on 128.00 (127.70 to 128.70): C22V21913.D

Original Integration
1,2,3-TRICHLOROBENZENE

Abundance on 180.00 (179.70 to 180.70): C22V21913.D



Original Int. Results

RT : 12.52
Area : 4460
Amount: 1.31891

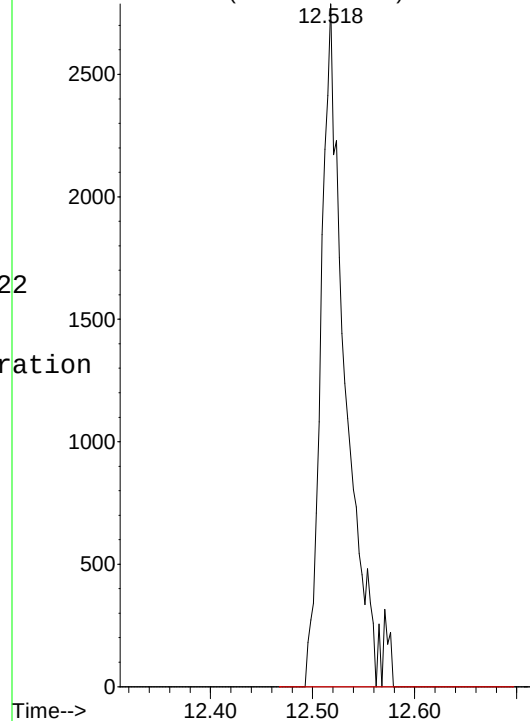
Manual Int. Results

Mon Aug 08 12:21:53 2022

MIuser: EEH
Reason: Incoret Integration
RT : 12.52
Area : 4622
Amount: 1.36682

Manual Integration
1,2,3-TRICHLOROBENZENE

Abundance on 180.00 (179.70 to 180.70): C22V21913.D



Data Path : C:\msdchem\1\data\C080822\
 Data File : C22V21914.D
 Acq On : 8 Aug 2022 12:22 pm
 Operator :
 Sample : 8260STD 5.0PPB 2206105
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Inst : GCMSVOA3

Quant Time: Aug 08 13:48:54 2022
 Quant Method : C:\msdchem\1\methods\C051619.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Mon Aug 08 11:15:01 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) PENTAFLUOROBENZENE - ISTD	4.194	168	195685	30.00	UG/L	0.00
48) 1,4-DIFLUOROBENZENE - ...	4.916	114	289602	30.00	UG/L	0.00
70) CHLOROBENZENE-D5 ISTD	7.749	82	143879	30.00	UG/L	0.00
89) 1,4-DICHLOROBENZENE-D4...	10.047	152	139575	30.00	UG/L	# 0.00
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4 SS	4.467	65	92881	25.23	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	100.92%	
49) TOLUENE SS	6.349	98	288589	24.99	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	99.96%	
71) 4-BROMOFLUOROBENZENE SS	8.909	95	107241	25.13	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	100.52%	
Target Compounds						
					Qvalue	
3) DICHLORODIFLUOROMETHANE	1.087	85	13984	4.38	UG/L	96
4) DIFLUOROCHLOROMETHANE	1.093	51	18551	4.86	UG/L	# 100
5) CHLOROMETHANE	1.196	50	23823	5.60	UG/L	# 26
6) VINYL CHLORIDE	1.263	62	17559	5.16	UG/L	94
7) BROMOMETHANE	1.452	94	9971	5.37	UG/L	99
8) CHLOROETHANE	1.516	64	12070	6.42	UG/L	99
9) FLUORODICHLOROMETHANE	1.636	67	27892	5.42	UG/L	98
10) TRICHLOROFLUOROMETHANE	1.675	101	21049	5.56	UG/L	100
11) ETHANOL	1.798	45	3034	45.49	UG/L	# 88
12) DI ETHYL ETHER	1.862	59	12783	5.29	UG/L	97
13) ACROLEIN	1.957	56	29810	37.02	UG/L	99
14) ACETONE	2.066	43	60047	48.92	UG/L	96
15) 1,1-DICHLOROETHENE	2.024	61	21244	5.61	UG/L	98
16) 1,1,2-TRICL-1,2,2-TRIF...	2.021	101	12671	6.11	UG/L	81
17) IODOMETHANE	2.138	142	160832	51.89	UG/L	98
20) METHYL ACETATE	2.317	43	23425	6.16	UG/L	98
21) T-BUTYL ALCOHOL	2.515	59	22757	48.20	UG/L	# 97
22) ACRYLONITRILE	2.621	53	7594	4.69	UG/L	99
23) METHYLENE CHLORIDE	2.395	49	21884	5.44	UG/L	97
24) CARBON DISULFIDE	2.188	76	424933	58.17	UG/L	99
25) METHYL TERT-BUTYL ETHE...	2.640	73	45825	5.36	UG/L	97
26) TRANS 1,2-DICHLOROETHENE	2.632	61	19381	4.94	UG/L	99
27) 1,1-DICHLOROETHANE	3.045	63	26035	4.96	UG/L	98
28) VINYL ACETATE	3.112	43	445683	44.19	UG/L	99
29) DI ISOPROYL ETHER	3.128	45	51303	4.52	UG/L	96
31) 2-BUTANONE	3.678	43	90607	41.11	UG/L	95
32) T-BUTYL ETHYL ETHER	3.505	59	45419	4.80	UG/L	99
33) CIS-1,2-DICHLOROETHENE	3.639	61	22445	4.91	UG/L	96
34) 2,2-DICHLOROPROPANE	3.633	77	19815	5.04	UG/L	92
35) ETHYL ACETATE	3.756	43	19495	4.38	UG/L	96
38) BROMOCHLOROMETHANE	3.884	49	13878	5.15	UG/L	98
39) TETRAHYDROFURAN	3.945	42	5898	4.48	UG/L	92
40) CHLOROFORM	3.973	83	25415	5.22	UG/L	98
41) 1,1,1-TRICHLOROETHANE	4.146	97	21216	5.45	UG/L	# 84
42) CYCLOHEXANE	4.191	56	23485	5.10	UG/L	89
43) CARBON TETRACHLORIDE	4.302	117	17276	5.30	UG/L	97
44) 1,1-DICHLOROPROPENE	4.311	75	18177	5.04	UG/L	94
45) BENZENE	4.517	78	53508	4.75	UG/L	98
47) T-AMYL METHYL ETHER	4.651	73	43685	5.19	UG/L	96
50) 1,2-DICHLOROETHANE	4.545	62	21482	5.45	UG/L	97
51) TRICHLOROETHENE	5.161	95	13016	5.11	UG/L	97
52) METHYLCYCLOHEXANE	5.340	83	15795	4.53	UG/L	96
53) 1,2-DICHLOROPROPANE	5.384	63	14876	4.87	UG/L	97

Data Path : C:\msdchem\1\data\C080822\
 Data File : C22V21914.D
 Acq On : 8 Aug 2022 12:22 pm
 Operator :
 Sample : 8260STD 5.0PPB 2206105
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Inst : GCMSVOA3

Quant Time: Aug 08 13:48:54 2022
 Quant Method : C:\msdchem\1\methods\C051619.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Mon Aug 08 11:15:01 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
54) DIBROMOMETHANE	5.499	93	9766	5.15	UG/L	93
56) 1,4-DIOXANE	5.552	88	2162m	48.32	UG/L	
57) BROMODICHLOROMETHANE	5.655	83	19440	5.33	UG/L	98
58) 2-CHLOROETHYL VINYLETHYL	5.975	63	73710	49.43	UG/L	91
59) MIBK	6.268	43	197206	43.88	UG/L	100
60) CIS-1,3-DICHLOROPROPENE	6.101	75	22415	4.81	UG/L	96
61) TOLUENE	6.419	91	56479	5.05	UG/L	99
62) TRANS-1,3-DICHLOROPRO...	6.653	75	19923	4.73	UG/L	90
64) 1,1,2-TRICHLOROETHANE	6.823	97	14020	5.32	UG/L	97
65) 2-HEXANONE	7.085	43	136490	42.28	UG/L	98
66) TETRACHLOROETHENE	6.943	166	14258	5.50	UG/L	97
67) 1,3-DICHLOROPROPANE	6.979	76	24401	4.97	UG/L	98
68) DIBROMOCHLOROMETHANE	7.194	129	16098	5.31	UG/L	99
69) 1,2-DIBROMOETHANE	7.297	107	14995	5.10	UG/L	99
72) CHLOROBENZENE	7.780	112	37610	5.30	UG/L	# 90
73) 1,1,1,2-TETRACHLOROETHANE	7.866	131	13977	5.52	UG/L	98
74) ETHYLBENZENE	7.897	91	60931	4.99	UG/L	97
75) M/P-XYLENES	8.014	91	92986	10.05	UG/L	99
76) O-XYLENE	8.402	91	50225	5.27	UG/L	96
77) STYRENE	8.418	104	39862	5.18	UG/L	93
78) BROMOFORM	8.586	173	12459	5.58	UG/L	99
79) ISOPROPYLBENZENE	8.767	105	56951	5.15	UG/L	99
81) 1,1,2,2-TETRACHLOROETHANE	9.071	83	22619	5.37	UG/L	96
82) 1,4-DICHLORO-2-BUTENE(...	9.132	53	5086	4.78	UG/L	# 79
83) BROMOBENZENE	9.049	77	23639	4.66	UG/L	98
84) 1,2,3-TRICHLOROPROPANE	9.104	75	17310	4.92	UG/L	98
85) N-PROPYLBENZENE	9.174	91	63336	4.87	UG/L	97
86) 2-CHLOROTOLUENE	9.244	91	41747	5.06	UG/L	97
87) 1,3,5-TRIMETHYLBENZENE	9.353	105	45912	4.98	UG/L	98
88) 4-CHLOROTOLUENE	9.358	91	45894	4.89	UG/L	100
90) TERT-BUTYLBENZENE	9.668	119	37225	4.94	UG/L	92
91) 1,2,4-TRIMETHYLBENZENE	9.721	105	45329	4.76	UG/L	100
92) SEC-BUTYLBENZENE	9.885	105	49121	4.62	UG/L	98
93) 1,3-DICHLOROBENZENE	9.983	146	27629	5.01	UG/L	98
94) P-ISOPROPYLTOLUENE	10.036	119	43348	4.74	UG/L	98
95) 1,4-DICHLOROBENZENE	10.069	146	30195	5.17	UG/L	# 93
97) N-BUTYLBENZENE	10.443	91	35017	4.25	UG/L	94
98) 1,2-DICHLOROBENZENE	10.437	146	29589	5.32	UG/L	99
99) 1,2-DIBROMO-3-CHLOROPR...	11.218	75	3827m	5.00	UG/L	
100) 1,3,5-TRICHLOROBENZENE	11.422	180	17501	4.61	UG/L	97
101) 1,2,4-TRICHLOROBENZENE	12.038	180	14495m	4.05	UG/L	
102) HEXACHLOROBUTADIENE	12.205	225	6885	5.05	UG/L	100
103) NAPHTHALENE	12.278	128	38473m	3.60	UG/L	
104) 1,2,3-TRICHLOROBENZENE	12.512	180	14777m	4.16	UG/L	

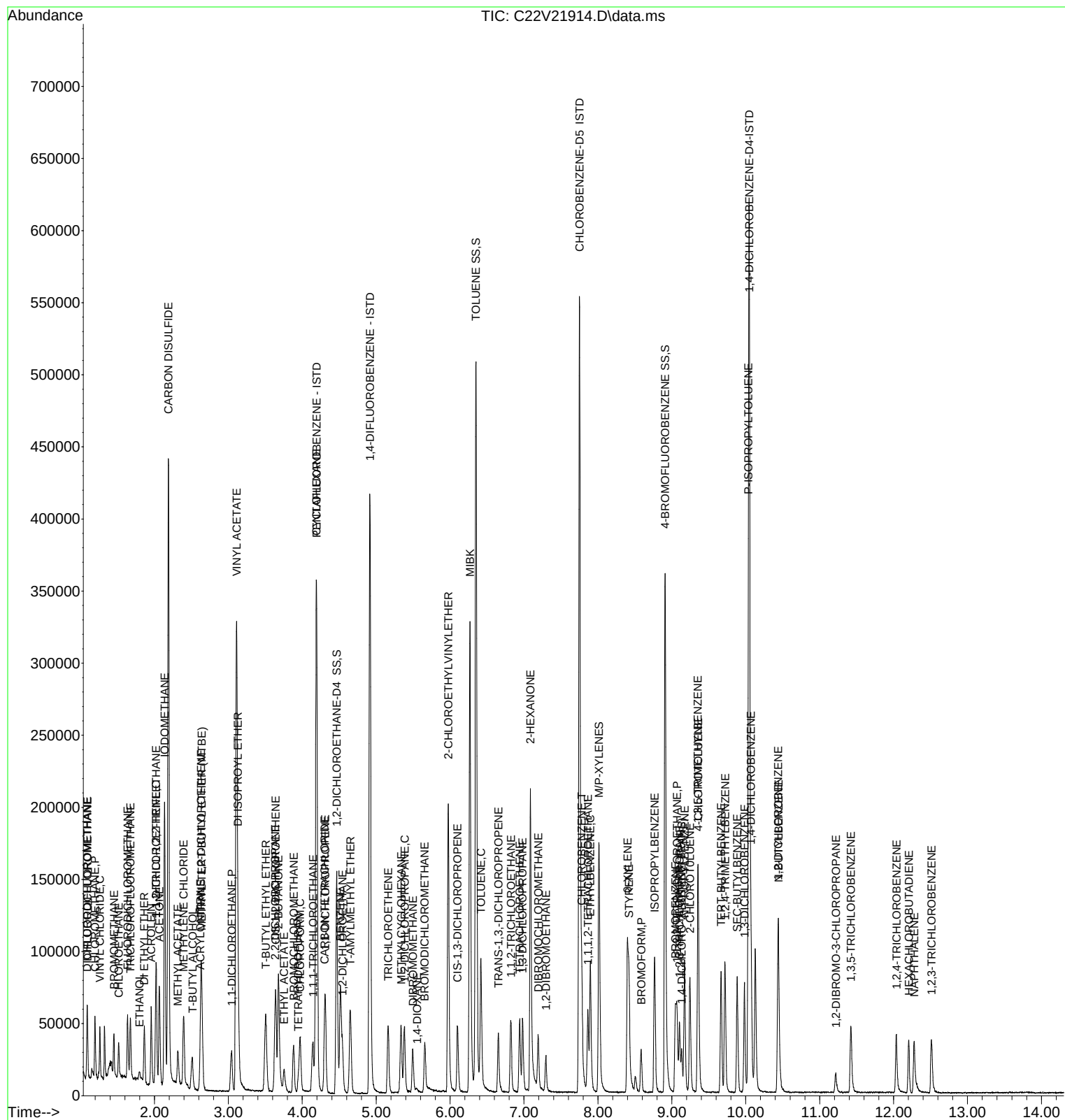
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21914.D
Acq On : 8 Aug 2022 12:22 pm
Operator :
Sample : 8260STD 5.0PPB 2206105
Misc :
ALS Vial : 14 Sample Multiplier: 1

Inst : GCMSVOA3

192

Quant Time: Aug 08 13:48:54 2022
Quant Method : C:\msdchem\1\methods\C051619.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
QLast Update : Mon Aug 08 11:15:01 2022
Response via : Initial Calibration



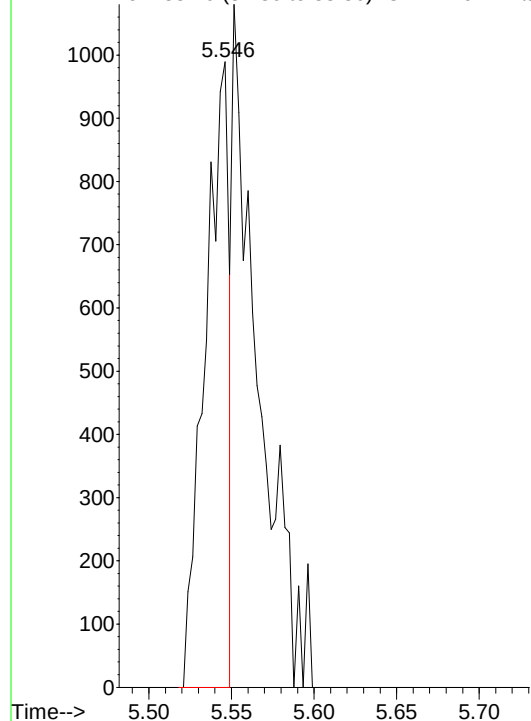
Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21914.D
Acq On : 8 Aug 2022 12:22 pm
Operator :
Sample : 8260STD 5.0PPB 2206105
Misc :

Quant Time : Mon Aug 08 13:48:54 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration

1,4-DIOXANE

Abundance on 88.10 (87.80 to 88.80): C22V21914.D



Original Int. Results

RT : 5.55
Area : 983
Amount: 21.9689

Manual Int. Results

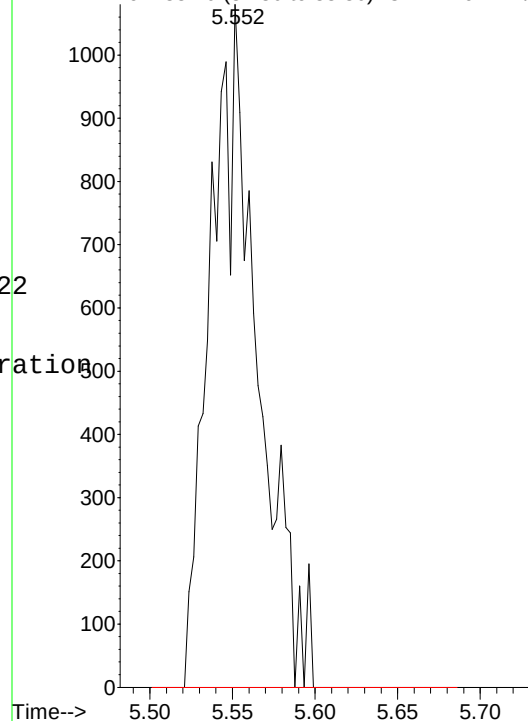
Mon Aug 08 13:48:09 2022

MIuser: EEH
Reason: Incoret Integration
RT : 5.55
Area : 2162
Amount: 48.3181

Manual Integration

1,4-DIOXANE

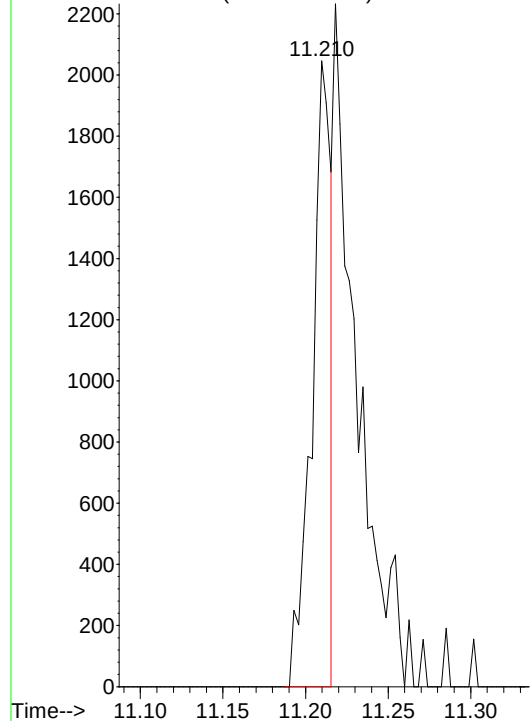
Abundance on 88.10 (87.80 to 88.80): C22V21914.D



Original Integration

1,2-DIBROMO-3-CHLOROPROPANE

Abundance on 75.00 (74.70 to 75.70): C22V21914.D



Original Int. Results

RT : 11.21
Area : 1606
Amount: 2.09844

Manual Int. Results

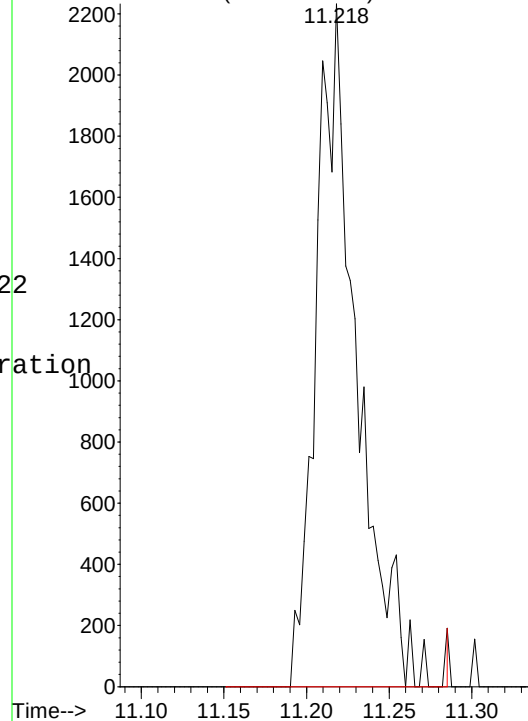
Mon Aug 08 13:48:42 2022

MIuser: EEH
Reason: Incoret Integration
RT : 11.22
Area : 3827
Amount: 5.00046

Manual Integration

1,2-DIBROMO-3-CHLOROPROPANE

Abundance on 75.00 (74.70 to 75.70): C22V21914.D

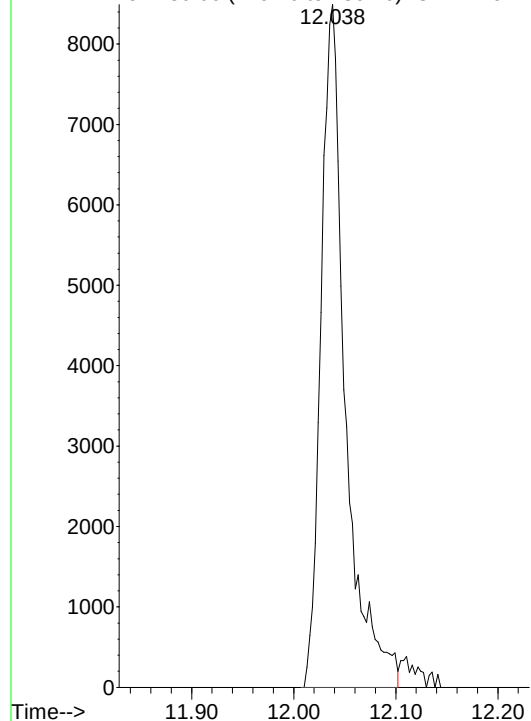


Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21914.D
Acq On : 8 Aug 2022 12:22 pm
Operator :
Sample : 8260STD 5.0PPB 2206105
Misc :

Quant Time : Mon Aug 08 13:48:54 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration
1,2,4-TRICHLOROBENZENE

Abundance Ion 180.00 (179.70 to 180.70): C22V21914.D



Original Int. Results

RT : 12.04
Area : 14024
Amount: 3.92031

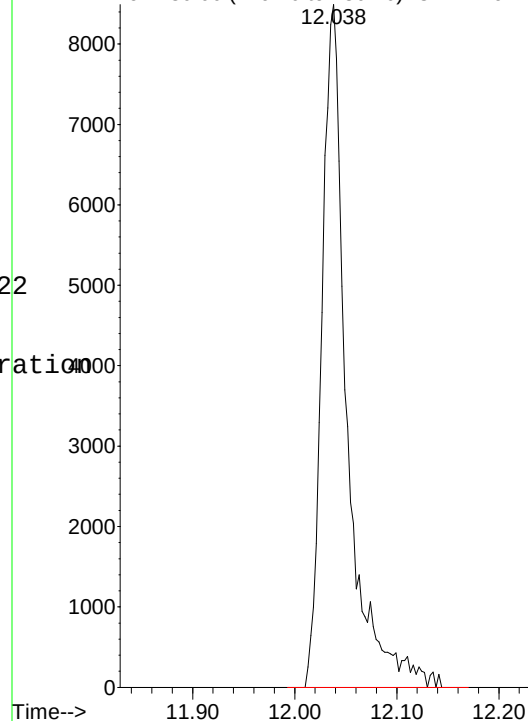
Manual Int. Results

Mon Aug 08 13:48:46 2022

MIuser: EEH
Reason: Incoret Integration
RT : 12.04
Area : 14495
Amount: 4.05197

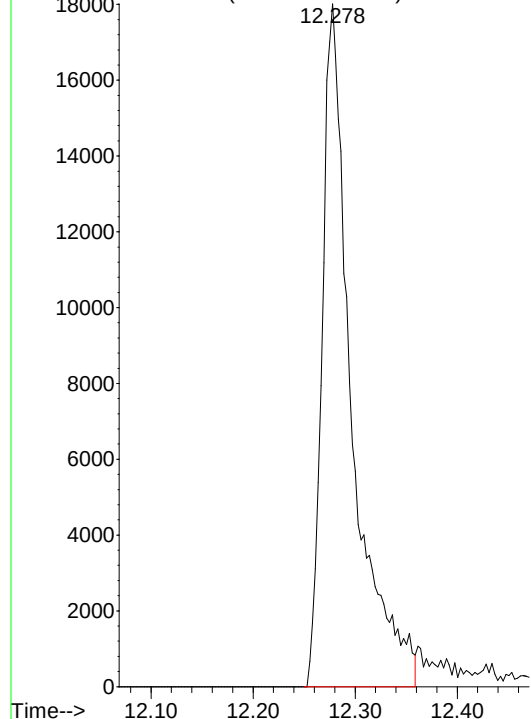
Manual Integration
1,2,4-TRICHLOROBENZENE

Abundance Ion 180.00 (179.70 to 180.70): C22V21914.D



Original Integration
NAPHTHALENE

Abundance Ion 128.00 (127.70 to 128.70): C22V21914.D



Original Int. Results

RT : 12.28
Area : 35921
Amount: 3.35917

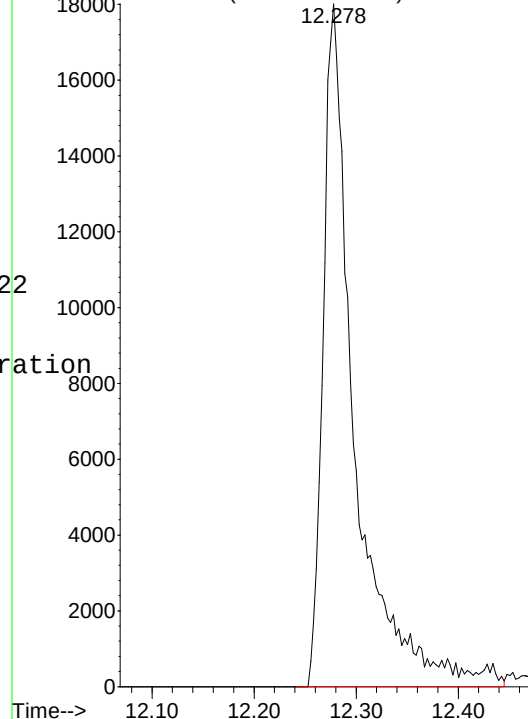
Manual Int. Results

Mon Aug 08 13:48:51 2022

MIuser: EEH
Reason: Incoret Integration
RT : 12.28
Area : 38473
Amount: 3.59782

Manual Integration
NAPHTHALENE

Abundance Ion 128.00 (127.70 to 128.70): C22V21914.D

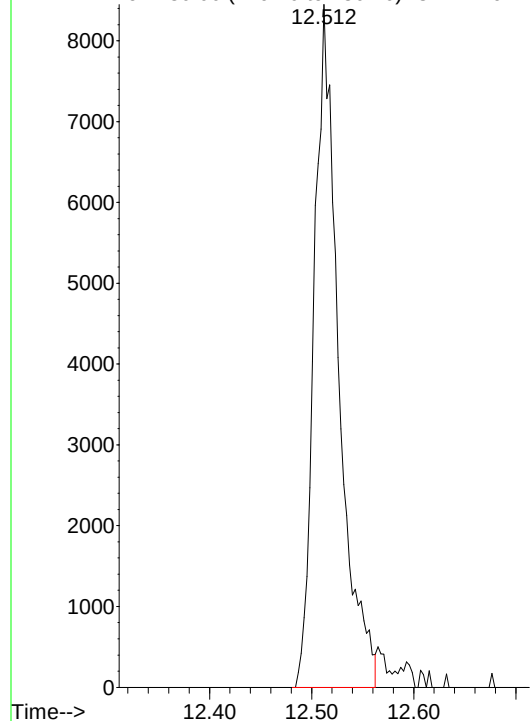


Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21914.D
Acq On : 8 Aug 2022 12:22 pm
Operator :
Sample : 8260STD 5.0PPB 2206105
Misc :

Quant Time : Mon Aug 08 13:48:54 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration
1,2,3-TRICHLOROBENZENE

Abundance on 180.00 (179.70 to 180.70): C22V21914.D



Original Int. Results

RT : 12.51
Area : 14072
Amount: 3.96045

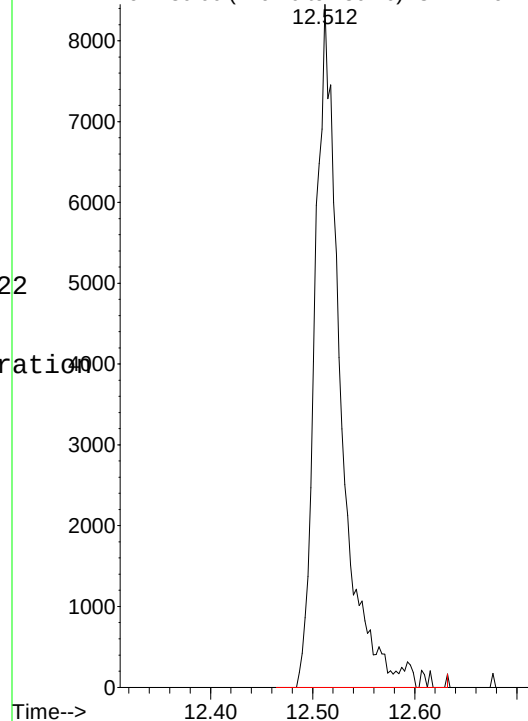
Manual Int. Results

Mon Aug 08 13:48:54 2022

MIuser: EEH
Reason: Incoret Integration
RT : 12.51
Area : 14777
Amount: 4.15886

Manual Integration
1,2,3-TRICHLOROBENZENE

Abundance on 180.00 (179.70 to 180.70): C22V21914.D



Data Path : C:\msdchem\1\data\C080822\
 Data File : C22V21915.D
 Acq On : 8 Aug 2022 12:46 pm
 Operator :
 Sample : 8260STD 10PPB 2206105
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Inst : GCMSVOA3

Quant Time: Aug 08 13:57:12 2022
 Quant Method : C:\msdchem\1\methods\C051619.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Mon Aug 08 11:15:01 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) PENTAFLUOROBENZENE - ISTD	4.193	168	194546	30.00	UG/L	0.00
48) 1,4-DIFLUOROBENZENE - ...	4.916	114	287477	30.00	UG/L	0.00
70) CHLOROBENZENE-D5 ISTD	7.749	82	141910	30.00	UG/L	0.00
89) 1,4-DICHLOROBENZENE-D4...	10.047	152	139616	30.00	UG/L	# 0.00
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4 SS	4.464	65	92464	25.27	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	101.08%	
49) TOLUENE SS	6.349	98	286087	24.96	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	99.84%	
71) 4-BROMOFLUOROBENZENE SS	8.909	95	103705	24.63	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	98.52%	
Target Compounds						
3) DICHLORODIFLUOROMETHANE	1.087	85	28562	9.01	UG/L	98
4) DIFLUOROCHLOROMETHANE	1.092	51	37891	9.99	UG/L	# 100
5) CHLOROMETHANE	1.196	50	41594	9.83	UG/L	# 23
6) VINYL CHLORIDE	1.263	62	34859	10.31	UG/L	96
7) BROMOMETHANE	1.449	94	18466	10.00	UG/L	97
8) CHLOROETHANE	1.514	64	24973	13.36	UG/L	97
9) FLUORODICHLOROMETHANE	1.636	67	56638	11.08	UG/L	99
10) TRICHLOROFLUOROMETHANE	1.675	101	43670	11.60	UG/L	96
11) ETHANOL	1.801	45	6400	96.52	UG/L	# 89
12) DI ETHYL ETHER	1.865	59	25808	10.75	UG/L	96
13) ACROLEIN	1.957	56	61270	76.52	UG/L	99
14) ACETONE	2.066	43	116864	95.77	UG/L	96
15) 1,1-DICHLOROETHENE	2.024	61	43280	11.49	UG/L	98
16) 1,1,2-TRICL-1,2,2-TRIF...	2.024	101	25043	12.15	UG/L	88
17) IODOMETHANE	2.138	142	341243	110.75	UG/L	98
20) METHYL ACETATE	2.317	43	44181	11.69	UG/L	96
21) T-BUTYL ALCOHOL	2.506	59	47742	101.70	UG/L	97
22) ACRYLONITRILE	2.618	53	16274	10.10	UG/L	99
23) METHYLENE CHLORIDE	2.395	49	43860	10.97	UG/L	98
24) CARBON DISULFIDE	2.188	76	868493	119.59	UG/L	99
25) METHYL TERT-BUTYL ETHE...	2.640	73	96457	11.35	UG/L	97
26) TRANS 1,2-DICHLOROETHENE	2.632	61	42551	10.91	UG/L	96
27) 1,1-DICHLOROETHANE	3.039	63	51908	9.94	UG/L	98
28) VINYL ACETATE	3.109	43	919504	91.71	UG/L	99
29) DI ISOPROYL ETHER	3.131	45	104279	9.24	UG/L	95
31) 2-BUTANONE	3.675	43	182208	83.16	UG/L	96
32) T-BUTYL ETHYL ETHER	3.505	59	94331	10.02	UG/L	99
33) CIS-1,2-DICHLOROETHENE	3.639	61	46366	10.21	UG/L	93
34) 2,2-DICHLOROPROPANE	3.636	77	39576	10.12	UG/L	93
35) ETHYL ACETATE	3.750	43	40249	9.09	UG/L	# 92
38) BROMOCHLOROMETHANE	3.884	49	27682	10.33	UG/L	98
39) TETRAHYDROFURAN	3.945	42	12775	9.76	UG/L	92
40) CHLOROFORM	3.970	83	51600	10.66	UG/L	97
41) 1,1,1-TRICHLOROETHANE	4.143	97	43338	11.21	UG/L	94
42) CYCLOHEXANE	4.191	56	43820	9.57	UG/L	94
43) CARBON TETRACHLORIDE	4.305	117	35429	10.93	UG/L	97
44) 1,1-DICHLOROPROPENE	4.311	75	36885	10.29	UG/L	95
45) BENZENE	4.517	78	110524	9.87	UG/L	97
47) T-AMYL METHYL ETHER	4.648	73	87452	10.46	UG/L	97
50) 1,2-DICHLOROETHANE	4.539	62	43168	11.03	UG/L	98
51) TRICHLOROETHENE	5.164	95	27825	11.00	UG/L	93
52) METHYLCYCLOHEXANE	5.337	83	32123	9.28	UG/L	95
53) 1,2-DICHLOROPROPANE	5.381	63	30483	10.06	UG/L	# 98

Data Path : C:\msdchem\1\data\C080822\
 Data File : C22V21915.D
 Acq On : 8 Aug 2022 12:46 pm
 Operator :
 Sample : 8260STD 10PPB 2206105
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Inst : GCMSVOA3

Quant Time: Aug 08 13:57:12 2022
 Quant Method : C:\msdchem\1\methods\C051619.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Mon Aug 08 11:15:01 2022
 Response via : Initial Calibration

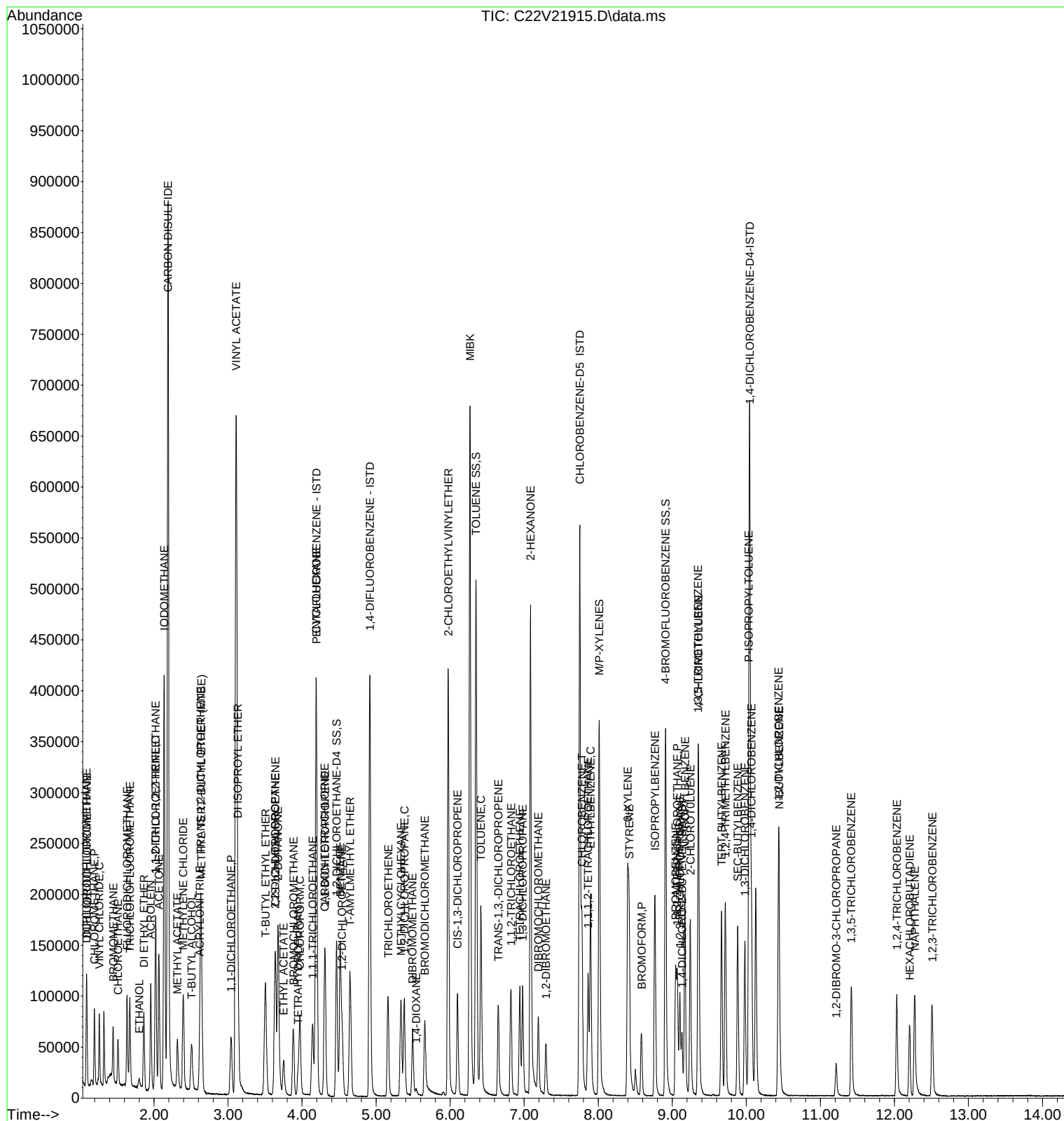
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
54) DIBROMOMETHANE	5.493	93	20571	10.94	UG/L	93
56) 1,4-DIOXANE	5.540	88	4230	95.23	UG/L #	75
57) BROMODICHLOROMETHANE	5.657	83	39854	11.00	UG/L	97
58) 2-CHLOROETHYLVINYLETHER	5.975	63	151076	102.07	UG/L	89
59) MIBK	6.268	43	406948	91.21	UG/L	100
60) CIS-1,3-DICHLOROPROPENE	6.101	75	46895	10.15	UG/L	97
61) TOLUENE	6.416	91	116091	10.45	UG/L	98
62) TRANS-1,3,-DICHLOROPRO...	6.650	75	41106	9.84	UG/L	94
64) 1,1,2-TRICHLOROETHANE	6.823	97	27847	10.65	UG/L	94
65) 2-HEXANONE	7.085	43	285391	89.06	UG/L	98
66) TETRACHLOROETHENE	6.940	166	28554	11.10	UG/L	98
67) 1,3-DICHLOROPROPANE	6.979	76	50659	10.39	UG/L	98
68) DIBROMOCHLOROMETHANE	7.188	129	33122	11.01	UG/L	99
69) 1,2-DIBROMOETHANE	7.292	107	30712	10.52	UG/L	98
72) CHLOROBENZENE	7.780	112	77992	11.15	UG/L	93
73) 1,1,1,2-TETRACHLOROETHANE	7.863	131	28567	11.44	UG/L	97
74) ETHYLBENZENE	7.897	91	127905	10.62	UG/L	95
75) M/P-XYLENES	8.014	91	195507	21.42	UG/L	97
76) O-XYLENE	8.399	91	105354	11.21	UG/L	95
77) STYRENE	8.418	104	85527	11.28	UG/L	98
78) BROMOFORM	8.586	173	25083	11.39	UG/L	100
79) ISOPROPYLBENZENE	8.767	105	119078	10.92	UG/L	97
81) 1,1,2,2-TETRACHLOROETHANE	9.068	83	45663	10.99	UG/L	96
82) 1,4-DICHLORO-2-BUTENE(...	9.132	53	10659	10.16	UG/L #	84
83) BROMOBENZENE	9.046	77	49353	9.87	UG/L	97
84) 1,2,3-TRICHLOROPROPANE	9.104	75	33249	9.58	UG/L	99
85) N-PROPYLBENZENE	9.171	91	132248	10.31	UG/L	97
86) 2-CHLOROTOLUENE	9.244	91	87309	10.73	UG/L	96
87) 1,3,5-TRIMETHYLBENZENE	9.350	105	96819	10.64	UG/L	95
88) 4-CHLOROTOLUENE	9.355	91	96583	10.43	UG/L	97
90) TERT-BUTYLBENZENE	9.665	119	76927	10.21	UG/L	95
91) 1,2,4-TRIMETHYLBENZENE	9.718	105	97091	10.20	UG/L	96
92) SEC-BUTYLBENZENE	9.885	105	105295	9.91	UG/L	97
93) 1,3-DICHLOROBENZENE	9.980	146	59048	10.71	UG/L	99
94) P-ISOPROPYLTOLUENE	10.033	119	87677	9.58	UG/L	97
95) 1,4-DICHLOROBENZENE	10.069	146	58875	10.07	UG/L #	92
97) N-BUTYLBENZENE	10.443	91	74590	9.06	UG/L	97
98) 1,2-DICHLOROBENZENE	10.434	146	59874	10.76	UG/L	98
99) 1,2-DIBROMO-3-CHLOROPR...	11.212	75	7618	9.95	UG/L	90
100) 1,3,5-TRICHLOROBENZENE	11.416	180	35449	9.33	UG/L	96
101) 1,2,4-TRICHLOROBENZENE	12.032	180	31206	8.72	UG/L	98
102) HEXACHLOROBUTADIENE	12.205	225	14173	10.40	UG/L	98
103) NAPHTHALENE	12.275	128	86722m	8.11	UG/L	
104) 1,2,3-TRICHLOROBENZENE	12.512	180	29849	8.40	UG/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Inst : GCMSV0A3

Quant Time: Aug 08 13:57:12 2022
Quant Method : C:\msdchem\1\methods\C051619.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
QLast Update : Mon Aug 08 11:15:01 2022
Response via : Initial Calibration



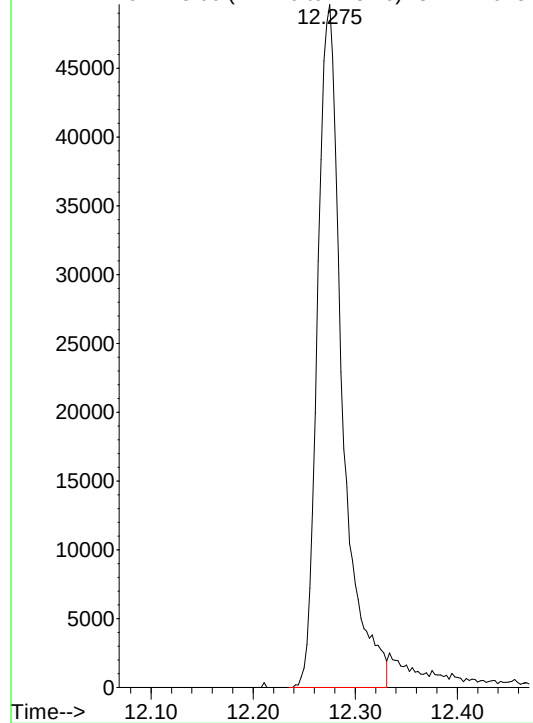
Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21915.D
Acq On : 8 Aug 2022 12:46 pm
Operator :
Sample : 8260STD 10PPB 2206105
Misc :

Quant Time : Mon Aug 08 13:57:12 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration

NAPHTHALENE

Abundance on 128.00 (127.70 to 128.70): C22V21915.D



Original Int. Results

RT : 12.27
Area : 83237
Amount: 7.78165

Manual Int. Results

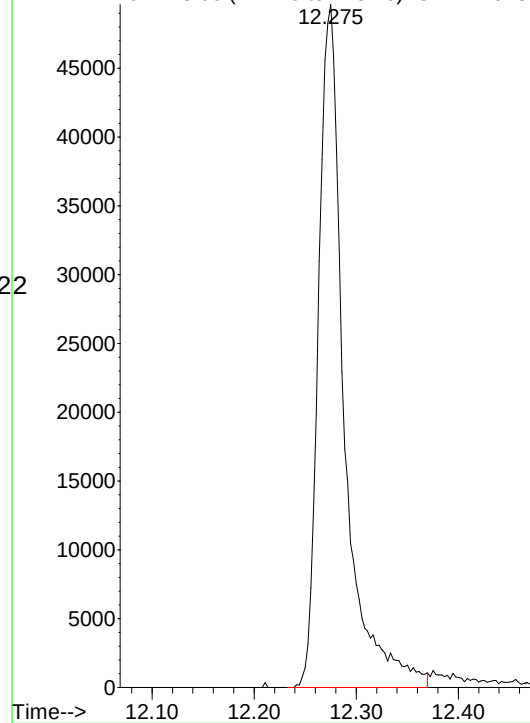
Mon Aug 08 13:57:12 2022

MIuser: EEH
Reason: Other
RT : 12.27
Area : 86722
Amount: 8.10746

Manual Integration

NAPHTHALENE

Abundance on 128.00 (127.70 to 128.70): C22V21915.D



Data Path : C:\msdchem\1\data\C080822\
 Data File : C22V21916.D
 Acq On : 8 Aug 2022 1:10 pm
 Operator :
 Sample : 8260STD 20PPB 2206105
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Inst : GCMSVOA3

Quant Time: Aug 08 13:58:31 2022
 Quant Method : C:\msdchem\1\methods\C051619.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Mon Aug 08 11:15:01 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) PENTAFLUOROBENZENE - ISTD	4.191	168	195836	30.00	UG/L	0.00
48) 1,4-DIFLUOROBENZENE - ...	4.913	114	287993	30.00	UG/L	0.00
70) CHLOROBENZENE-D5 ISTD	7.749	82	143489	30.00	UG/L	0.00
89) 1,4-DICHLOROBENZENE-D4...	10.044	152	143997	30.00	UG/L	# 0.00
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4 SS	4.464	65	91558	24.85	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	99.40%	
49) TOLUENE SS	6.349	98	287646	25.05	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	100.20%	
71) 4-BROMOFLUOROBENZENE SS	8.909	95	106568	25.04	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	100.16%	
Target Compounds						
3) DICHLORODIFLUOROMETHANE	1.087	85	61712	19.33	UG/L	Qvalue 97
4) DIFLUOROCHLOROMETHANE	1.090	51	80187	21.01	UG/L	# 100
5) CHLOROMETHANE	1.193	50	80145m	18.81	UG/L	
6) VINYL CHLORIDE	1.260	62	74108	21.77	UG/L	99
7) BROMOMETHANE	1.444	94	31294	16.84	UG/L	100
8) CHLOROETHANE	1.508	64	47814	25.42	UG/L	99
9) FLUORODICHLOROMETHANE	1.634	67	116251	22.59	UG/L	99
10) TRICHLOROFLUOROMETHANE	1.670	101	91116	24.05	UG/L	97
11) ETHANOL	1.806	45	13423	201.11	UG/L	# 88
12) DI ETHYL ETHER	1.862	59	52801	21.85	UG/L	96
13) ACROLEIN	1.957	56	127908	158.70	UG/L	99
14) ACETONE	2.066	43	236323	192.39	UG/L	95
15) 1,1-DICHLOROETHENE	2.021	61	90527	23.88	UG/L	99
16) 1,1,2-TRICL-1,2,2-TRIF...	2.016	101	52777	25.43	UG/L	86
17) IODOMETHANE	2.135	142	754312	243.19	UG/L	98
20) METHYL ACETATE	2.317	43	90747	23.85	UG/L	96
21) T-BUTYL ALCOHOL	2.512	59	97826	207.02	UG/L	# 95
22) ACRYLONITRILE	2.615	53	30366	18.73	UG/L	98
23) METHYLENE CHLORIDE	2.392	49	89226	22.17	UG/L	97
24) CARBON DISULFIDE	2.188	76	1810004	247.60	UG/L	100
25) METHYL TERT-BUTYL ETHE...	2.637	73	190841	22.31	UG/L	96
26) TRANS 1,2-DICHLOROETHENE	2.629	61	82216	20.95	UG/L	96
27) 1,1-DICHLOROETHANE	3.039	63	107655	20.49	UG/L	99
28) VINYL ACETATE	3.109	43	1903493	188.61	UG/L	99
29) DI ISOPROYL ETHER	3.125	45	217067	19.10	UG/L	96
31) 2-BUTANONE	3.675	43	377890	171.34	UG/L	97
32) T-BUTYL ETHYL ETHER	3.502	59	192968	20.37	UG/L	99
33) CIS-1,2-DICHLOROETHENE	3.639	61	95923	20.98	UG/L	92
34) 2,2-DICHLOROPROPANE	3.630	77	80827	20.53	UG/L	90
35) ETHYL ACETATE	3.747	43	79977	17.95	UG/L	99
38) BROMOCHLOROMETHANE	3.881	49	56866	21.09	UG/L	99
39) TETRAHYDROFURAN	3.940	42	24950	18.94	UG/L	# 89
40) CHLOROFORM	3.968	83	105207	21.60	UG/L	97
41) 1,1,1-TRICHLOROETHANE	4.140	97	88067	22.62	UG/L	97
42) CYCLOHEXANE	4.188	56	89795	19.48	UG/L	96
43) CARBON TETRACHLORIDE	4.305	117	74338	22.79	UG/L	97
44) 1,1-DICHLOROPROPENE	4.308	75	77219	21.40	UG/L	94
45) BENZENE	4.514	78	228669	20.30	UG/L	99
47) T-AMYL METHYL ETHER	4.648	73	185177	22.00	UG/L	95
50) 1,2-DICHLOROETHANE	4.539	62	88085	22.46	UG/L	98
51) TRICHLOROETHENE	5.158	95	57026	22.50	UG/L	94
52) METHYLCYCLOHEXANE	5.334	83	69608	20.07	UG/L	94
53) 1,2-DICHLOROPROPANE	5.379	63	61299	20.19	UG/L	98

Data Path : C:\msdchem\1\data\C080822\
 Data File : C22V21916.D
 Acq On : 8 Aug 2022 1:10 pm
 Operator :
 Sample : 8260STD 20PPB 2206105
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Inst : GCMSVOA3

Quant Time: Aug 08 13:58:31 2022
 Quant Method : C:\msdchem\1\methods\C051619.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Mon Aug 08 11:15:01 2022
 Response via : Initial Calibration

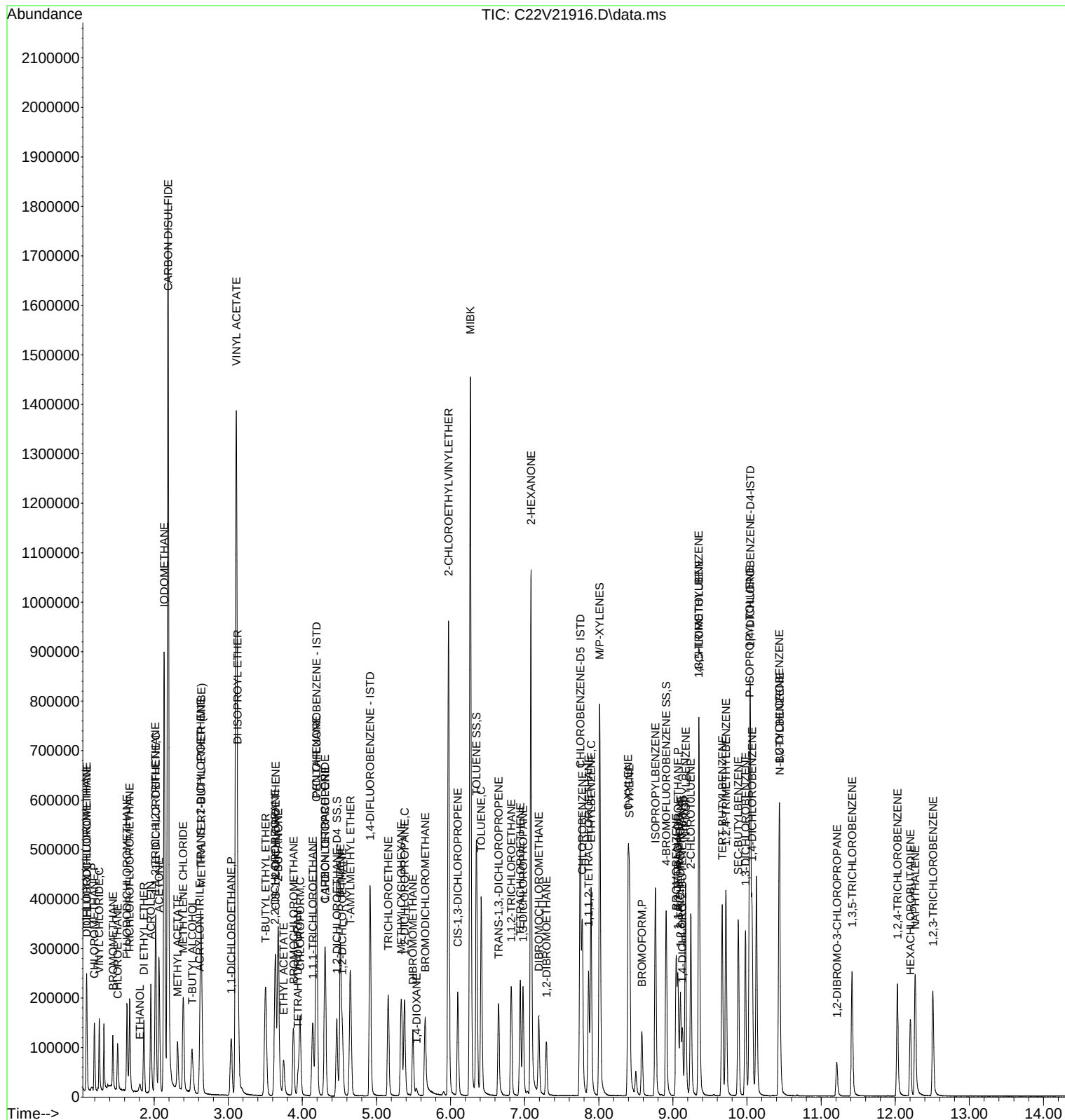
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
54) DIBROMOMETHANE	5.490	93	41749	22.16	UG/L	94
56) 1,4-DIOXANE	5.540	88	9614	216.06	UG/L #	82
57) BROMODICHLOROMETHANE	5.657	83	82091	22.62	UG/L	97
58) 2-CHLOROETHYLVINYLETHER	5.973	63	332617	224.32	UG/L	90
59) MIBK	6.265	43	856013	191.52	UG/L	99
60) CIS-1,3-DICHLOROPROPENE	6.098	75	97267	21.01	UG/L	95
61) TOLUENE	6.413	91	242651	21.80	UG/L	98
62) TRANS-1,3,-DICHLOROPRO...	6.647	75	85947	20.53	UG/L	94
64) 1,1,2-TRICHLOROETHANE	6.818	97	57873	22.09	UG/L	95
65) 2-HEXANONE	7.085	43	605554	188.63	UG/L	98
66) TETRACHLOROETHENE	6.940	166	58783	22.81	UG/L	98
67) 1,3-DICHLOROPROPANE	6.977	76	104223	21.34	UG/L	100
68) DIBROMOCHLOROMETHANE	7.191	129	68797	22.83	UG/L	98
69) 1,2-DIBROMOETHANE	7.292	107	64672	22.11	UG/L	99
72) CHLOROBENZENE	7.777	112	161032	22.77	UG/L	94
73) 1,1,1,2-TETRACHLOROETHANE	7.863	131	60574	23.98	UG/L	98
74) ETHYLBENZENE	7.894	91	264146	21.69	UG/L	96
75) M/P-XYLENES	8.011	91	408236	44.24	UG/L	98
76) O-XYLENE	8.396	91	218376	22.97	UG/L	96
77) STYRENE	8.413	104	178714	23.30	UG/L	97
78) BROMOFORM	8.580	173	54064	24.28	UG/L	99
79) ISOPROPYLBENZENE	8.764	105	247208	22.41	UG/L	97
81) 1,1,2,2-TETRACHLOROETHANE	9.068	83	95789	22.81	UG/L	96
82) 1,4-DICHLORO-2-BUTENE(...	9.127	53	22857m	21.55	UG/L	
83) BROMOBENZENE	9.046	77	105392	20.85	UG/L	96
84) 1,2,3-TRICHLOROPROPANE	9.101	75	71178	20.29	UG/L	100
85) N-PROPYLBENZENE	9.171	91	279616	21.57	UG/L	98
86) 2-CHLOROTOLUENE	9.241	91	179667	21.83	UG/L	98
87) 1,3,5-TRIMETHYLBENZENE	9.350	105	200925	21.84	UG/L	98
88) 4-CHLOROTOLUENE	9.352	91	207622	22.17	UG/L	98
90) TERT-BUTYLBENZENE	9.665	119	165628	21.32	UG/L	96
91) 1,2,4-TRIMETHYLBENZENE	9.715	105	200714	20.45	UG/L	98
92) SEC-BUTYLBENZENE	9.882	105	222301	20.28	UG/L	96
93) 1,3-DICHLOROBENZENE	9.980	146	124228	21.84	UG/L	99
94) P-ISOPROPYLTOLUENE	10.036	119	189553	20.08	UG/L	99
95) 1,4-DICHLOROBENZENE	10.069	146	128569	21.32	UG/L	97
97) N-BUTYLBENZENE	10.440	91	164886	19.41	UG/L	95
98) 1,2-DICHLOROBENZENE	10.434	146	127390	22.20	UG/L	99
99) 1,2-DIBROMO-3-CHLOROPR...	11.212	75	16396	20.77	UG/L	92
100) 1,3,5-TRICHLOROBENZENE	11.419	180	77936	19.89	UG/L	99
101) 1,2,4-TRICHLOROBENZENE	12.030	180	68945	18.68	UG/L	99
102) HEXACHLOROBUTADIENE	12.202	225	30170	21.47	UG/L	95
103) NAPHTHALENE	12.269	128	197905	17.94	UG/L	99
104) 1,2,3-TRICHLOROBENZENE	12.509	180	66701	18.20	UG/L	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Inst : GCMSV0A3

Quant Time: Aug 08 13:58:31 2022

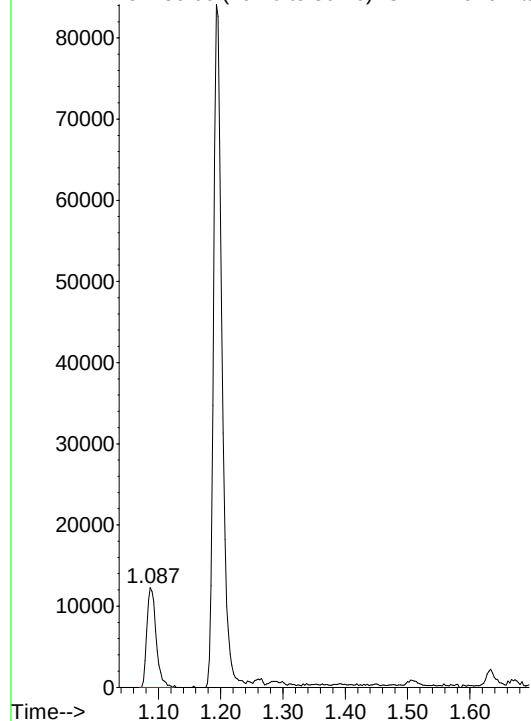


Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21916.D
Acq On : 8 Aug 2022 1:10 pm
Operator :
Sample : 8260STD 20PPB 2206105
Misc :

Quant Time : Mon Aug 08 13:58:31 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration
CHLOROMETHANE

Abundance on 50.00 (49.70 to 50.70): C22V21916.D



Original Int. Results

RT : 1.09
Area : 12609
Amount: 2.96009

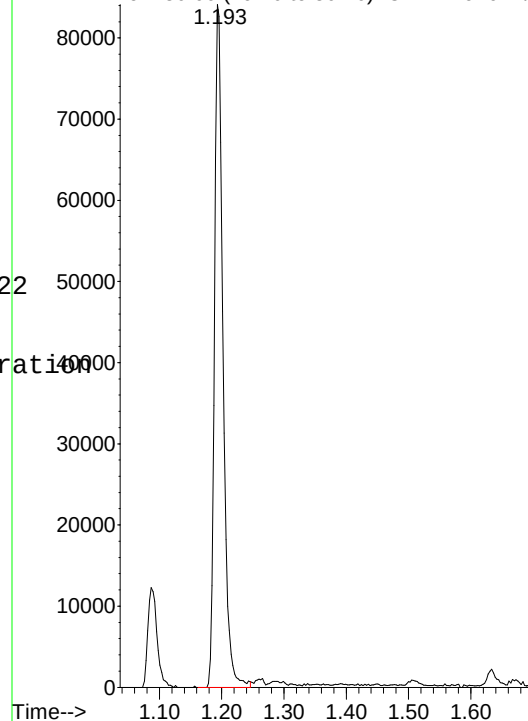
Manual Int. Results

Mon Aug 08 13:57:39 2022

MIuser: EEH
Reason: Incoret Integration
RT : 1.19
Area : 80145
Amount: 18.8148

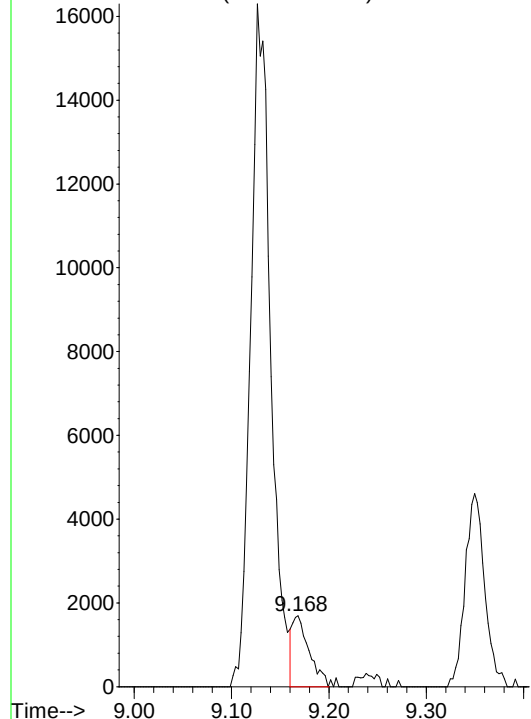
Manual Integration
CHLOROMETHANE

Abundance on 50.00 (49.70 to 50.70): C22V21916.D



Original Integration
1,4-DICHLORO-2-BUTENE (TRANS)

Abundance on 53.00 (52.70 to 53.70): C22V21916.D



Original Int. Results

RT : 9.17
Area : 2015
Amount: 1.89949

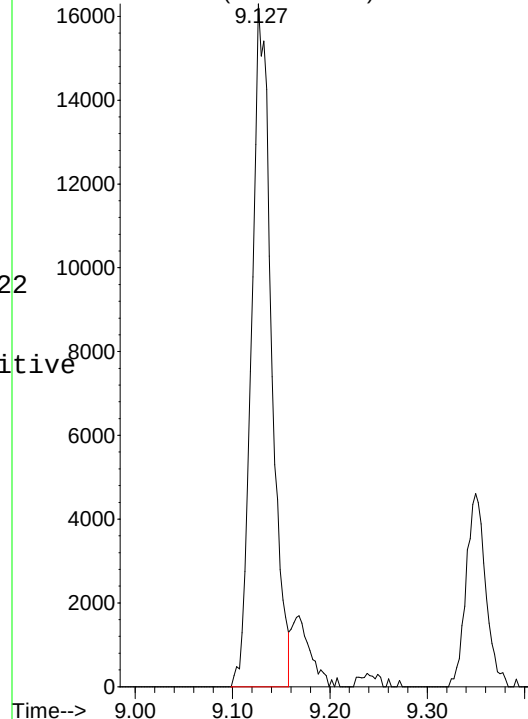
Manual Int. Results

Mon Aug 08 13:58:31 2022

MIuser: EEH
Reason: Qdel False Positive
RT : 9.13
Area : 22857
Amount: 21.5468

Manual Integration
1,4-DICHLORO-2-BUTENE (TRANS)

Abundance on 53.00 (52.70 to 53.70): C22V21916.D



Data Path : C:\msdchem\1\data\C080822\
 Data File : C22V21917.D
 Acq On : 8 Aug 2022 1:34 pm
 Operator :
 Sample : 8260STD 50PPB 2206105
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Inst : GCMSVOA3

Quant Time: Aug 08 13:59:14 2022
 Quant Method : C:\msdchem\1\methods\C051619.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Mon Aug 08 11:15:01 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) PENTAFLUOROBENZENE - ISTD	4.194	168	201796	30.00	UG/L	0.00
48) 1,4-DIFLUOROBENZENE - ...	4.913	114	294674	30.00	UG/L	0.00
70) CHLOROBENZENE-D5 ISTD	7.749	82	144633	30.00	UG/L	0.00
89) 1,4-DICHLOROBENZENE-D4...	10.047	152	147961	30.00	UG/L	# 0.00
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4 SS	4.467	65	92898	24.47	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	97.88%	
49) TOLUENE SS	6.349	98	292550	24.90	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	99.60%	
71) 4-BROMOFLUOROBENZENE SS	8.906	95	107794	25.12	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	100.48%	
Target Compounds						
3) DICHLORODIFLUOROMETHANE	1.087	85	158748	48.26	UG/L	98
4) DIFLUOROCHLOROMETHANE	1.093	51	204705	52.06	UG/L	# 100
5) CHLOROMETHANE	1.196	50	196280m	44.72	UG/L	
6) VINYL CHLORIDE	1.263	62	188629	53.77	UG/L	98
7) BROMOMETHANE	1.447	94	118366	61.81	UG/L	98
8) CHLOROETHANE	1.514	64	120246	62.04	UG/L	97
9) FLUORODICHLOROMETHANE	1.636	67	293433	55.33	UG/L	99
10) TRICHLOROFLUOROMETHANE	1.675	101	231180	59.21	UG/L	97
12) DI ETHYL ETHER	1.862	59	134514	54.01	UG/L	97
13) ACRROLEIN	1.957	56	321982	387.70	UG/L	99
14) ACETONE	2.066	43	601292	475.06	UG/L	95
15) 1,1-DICHLOROETHENE	2.024	61	231407	59.25	UG/L	99
16) 1,1,2-TRICL-1,2,2-TRIF...	2.021	101	134597	62.93	UG/L	87
17) IODOMETHANE	2.138	142	2081642	651.30	UG/L	98
20) METHYL ACETATE	2.317	43	225054	57.41	UG/L	97
21) T-BUTYL ALCOHOL	2.504	59	255906	525.56	UG/L	# 94
22) ACRYLONITRILE	2.618	53	83067	49.71	UG/L	97
23) METHYLENE CHLORIDE	2.395	49	222123	53.57	UG/L	96
24) CARBON DISULFIDE	2.191	76	4616921	612.91	UG/L	100
25) METHYL TERT-BUTYL ETHE...	2.637	73	516462	58.59	UG/L	97
26) TRANS 1,2-DICHLOROETHENE	2.632	61	222296	54.96	UG/L	95
27) 1,1-DICHLOROETHANE	3.042	63	280215	51.75	UG/L	99
28) VINYL ACETATE	3.109	43	4991159	479.95	UG/L	98
29) DI ISOPROYL ETHER	3.125	45	565400	48.27	UG/L	96
31) 2-BUTANONE	3.672	43	1005897	442.62	UG/L	96
32) T-BUTYL ETHYL ETHER	3.505	59	505980	51.83	UG/L	99
33) CIS-1,2-DICHLOROETHENE	3.639	61	250728	53.22	UG/L	92
34) 2,2-DICHLOROPROPANE	3.636	77	226185	55.76	UG/L	90
35) ETHYL ACETATE	3.745	43	215889	47.02	UG/L	99
38) BROMOCHLOROMETHANE	3.878	49	138430	49.82	UG/L	98
39) TETRAHYDROFURAN	3.940	42	67250	49.56	UG/L	90
40) CHLOROFORM	3.970	83	273189	54.42	UG/L	97
41) 1,1,1-TRICHLOROETHANE	4.141	97	228007	56.85	UG/L	96
42) CYCLOHEXANE	4.191	56	224239	47.22	UG/L	94
43) CARBON TETRACHLORIDE	4.305	117	196248	58.38	UG/L	97
44) 1,1-DICHLOROPROPENE	4.308	75	198650	53.43	UG/L	96
45) BENZENE	4.514	78	587237	50.58	UG/L	99
47) T-AMYL METHYL ETHER	4.648	73	485004	55.92	UG/L	96
50) 1,2-DICHLOROETHANE	4.539	62	228936	57.04	UG/L	97
51) TRICHLOROETHENE	5.156	95	150056	57.86	UG/L	92
52) METHYLCYCLOHEXANE	5.334	83	182308	51.38	UG/L	94
53) 1,2-DICHLOROPROPANE	5.379	63	164363	52.91	UG/L	98
54) DIBROMOMETHANE	5.490	93	109278	56.69	UG/L	93

Data Path : C:\msdchem\1\data\C080822\
 Data File : C22V21917.D
 Acq On : 8 Aug 2022 1:34 pm
 Operator :
 Sample : 8260STD 50PPB 2206105
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Inst : GCMSVOA3

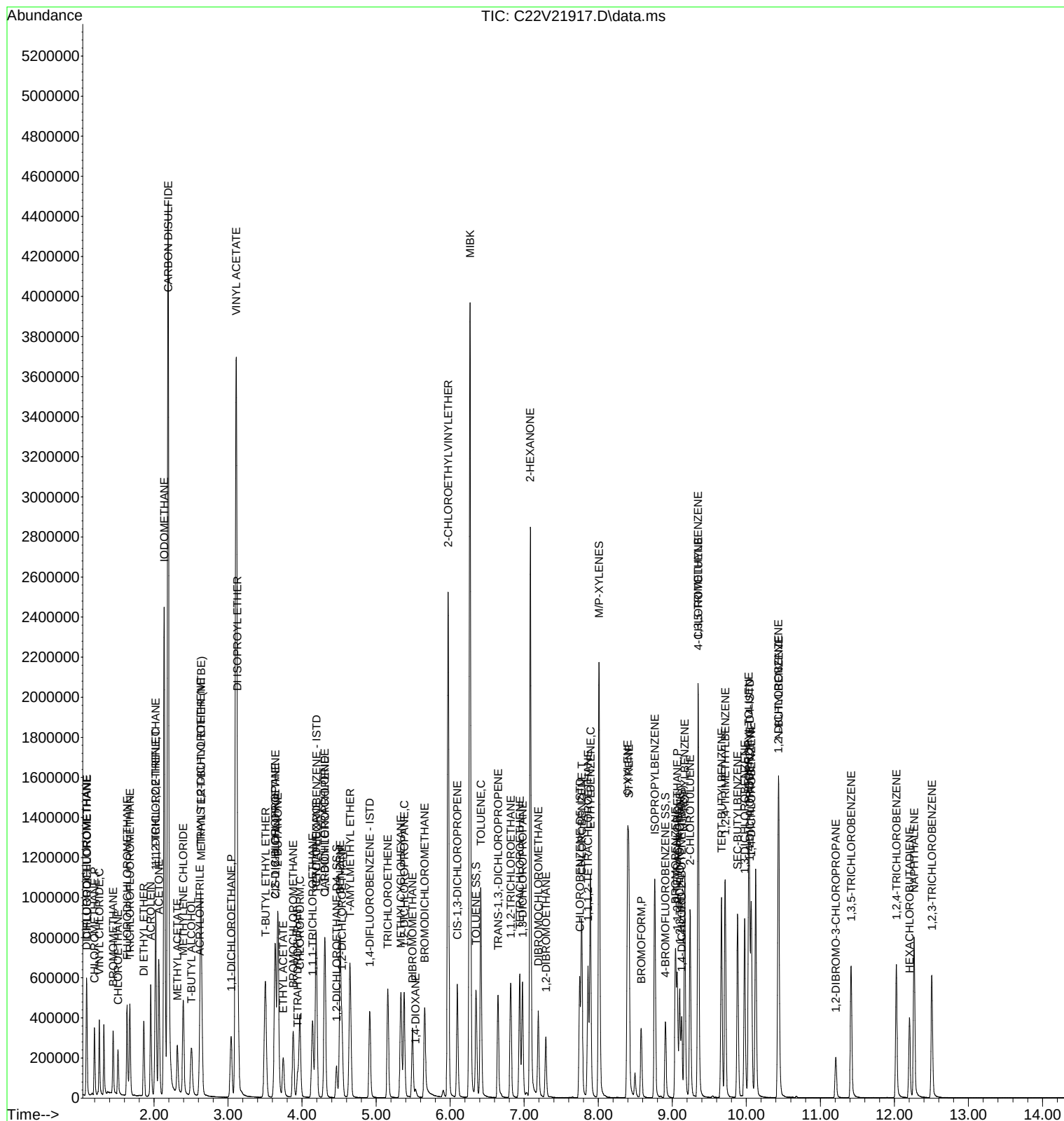
Quant Time: Aug 08 13:59:14 2022
 Quant Method : C:\msdchem\1\methods\C051619.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Mon Aug 08 11:15:01 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
56) 1,4-DIOXANE	5.532	88	24518	538.52	UG/L	# 71
57) BROMODICHLOROMETHANE	5.655	83	215959	58.15	UG/L	97
58) 2-CHLOROETHYL VINYLETHANOL	5.973	63	896251	590.74	UG/L	89
59) MIBK	6.268	43	2256646	493.43	UG/L	99
60) CIS-1,3-DICHLOROPROPENE	6.098	75	261752	55.25	UG/L	95
61) TOLUENE	6.416	91	632875	55.57	UG/L	98
62) TRANS-1,3-DICHLOROPROPENE	6.648	75	228959	53.46	UG/L	93
64) 1,1,2-TRICHLOROETHANE	6.818	97	152183	56.76	UG/L	96
65) 2-HEXANONE	7.083	43	1607232	489.30	UG/L	98
66) TETRACHLOROETHENE	6.940	166	155188	58.86	UG/L	97
67) 1,3-DICHLOROPROPANE	6.977	76	274115	54.85	UG/L	99
68) DIBROMOCHLOROMETHANE	7.191	129	181581	58.88	UG/L	98
69) 1,2-DIBROMOETHANE	7.292	107	167881	56.10	UG/L	99
72) CHLOROBENZENE	7.777	112	417454	58.55	UG/L	96
73) 1,1,1,2-TETRACHLOROETHANE	7.863	131	156763	61.58	UG/L	99
74) ETHYLBENZENE	7.894	91	687823	56.04	UG/L	96
75) M/P-XYLENES	8.011	91	1084210	116.57	UG/L	97
76) O-XYLENE	8.396	91	565944	59.06	UG/L	97
77) STYRENE	8.413	104	467735	60.50	UG/L	96
78) BROMOFORM	8.580	173	142547	63.52	UG/L	98
79) ISOPROPYLBENZENE	8.764	105	645593	58.07	UG/L	98
81) 1,1,2,2-TETRACHLOROETHANE	9.068	83	249642	58.98	UG/L	96
82) 1,4-DICHLORO-2-BUTENE(1,3)	9.127	53	64424	60.25	UG/L	# 81
83) BROMOBENZENE	9.043	77	272129	53.40	UG/L	96
84) 1,2,3-TRICHLOROPROPANE	9.102	75	190507	53.87	UG/L	97
85) N-PROPYLBENZENE	9.168	91	733572	56.13	UG/L	98
86) 2-CHLOROTOLUENE	9.241	91	465886	56.17	UG/L	98
87) 1,3,5-TRIMETHYLBENZENE	9.350	105	529200	57.08	UG/L	97
88) 4-CHLOROTOLUENE	9.352	91	539056	57.10	UG/L	98
90) TERT-BUTYLBENZENE	9.665	119	423598	53.06	UG/L	95
91) 1,2,4-TRIMETHYLBENZENE	9.715	105	528648	52.42	UG/L	98
92) SEC-BUTYLBENZENE	9.882	105	574310	50.98	UG/L	97
93) 1,3-DICHLOROBENZENE	9.977	146	325798	55.74	UG/L	99
94) P-ISOPROPYLTOLUENE	10.033	119	496013	51.13	UG/L	99
95) 1,4-DICHLOROBENZENE	10.066	146	333618	53.84	UG/L	97
97) N-BUTYLBENZENE	10.437	91	438567	50.25	UG/L	95
98) 1,2-DICHLOROBENZENE	10.432	146	330923	56.13	UG/L	98
99) 1,2-DIBROMO-3-CHLOROPROPANE	11.207	75	43996	54.23	UG/L	92
100) 1,3,5-TRICHLOROBENZENE	11.416	180	206206	51.22	UG/L	98
101) 1,2,4-TRICHLOROBENZENE	12.027	180	193674	51.07	UG/L	100
102) HEXACHLOROBUTADIENE	12.202	225	76127	52.71	UG/L	97
103) NAPHTHALENE	12.267	128	583579	51.48	UG/L	99
104) 1,2,3-TRICHLOROBENZENE	12.506	180	190522	50.58	UG/L	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 08 13:59:14 2022
Quant Method : C:\msdchem\1\methods\C051619.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
QLast Update : Mon Aug 08 11:15:01 2022
Response via : Initial Calibration

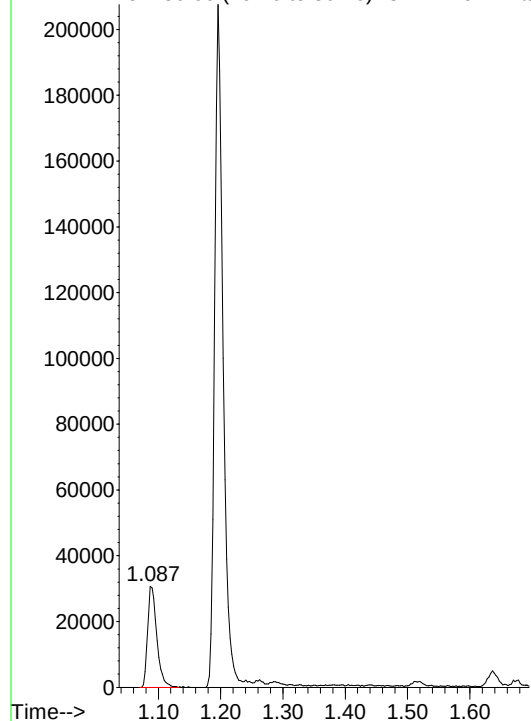


Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21917.D
Acq On : 8 Aug 2022 1:34 pm
Operator :
Sample : 8260STD 50PPB 2206105
Misc :

Quant Time : Mon Aug 08 13:59:14 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration
CHLOROMETHANE

Abundance Ion 50.00 (49.70 to 50.70): C22V21917.D



Original Int. Results

RT : 1.09
Area : 31509
Amount: 7.17858

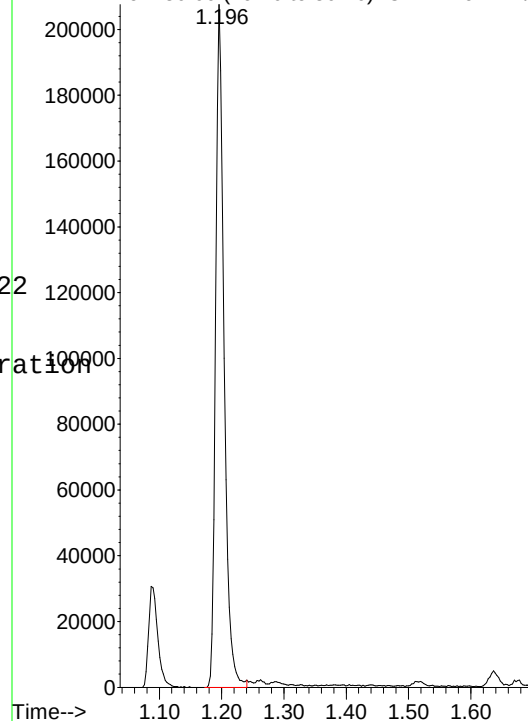
Manual Int. Results

Mon Aug 08 13:59:05 2022

MIuser: EEH
Reason: Incoret Integration
RT : 1.20
Area : 196280
Amount: 44.7178

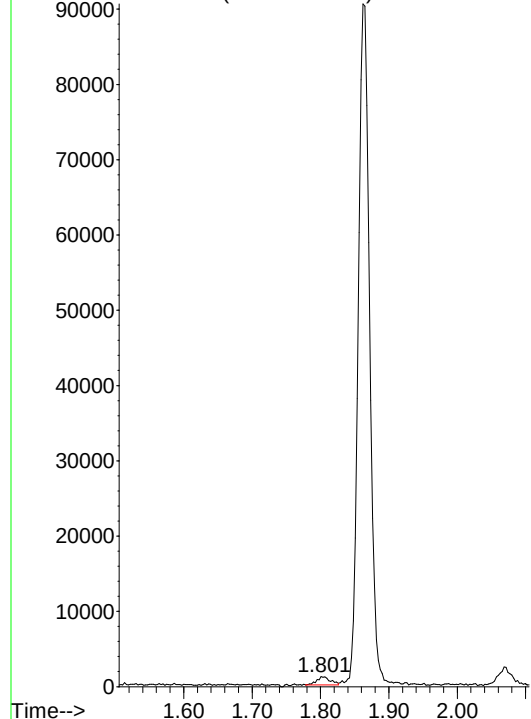
Manual Integration
CHLOROMETHANE

Abundance Ion 50.00 (49.70 to 50.70): C22V21917.D



Original Integration
ETHANOL

Abundance Ion 45.00 (44.70 to 45.70): C22V21917.D



Original Int. Results

RT : 1.80
Area : 1575
Amount: 22.9002

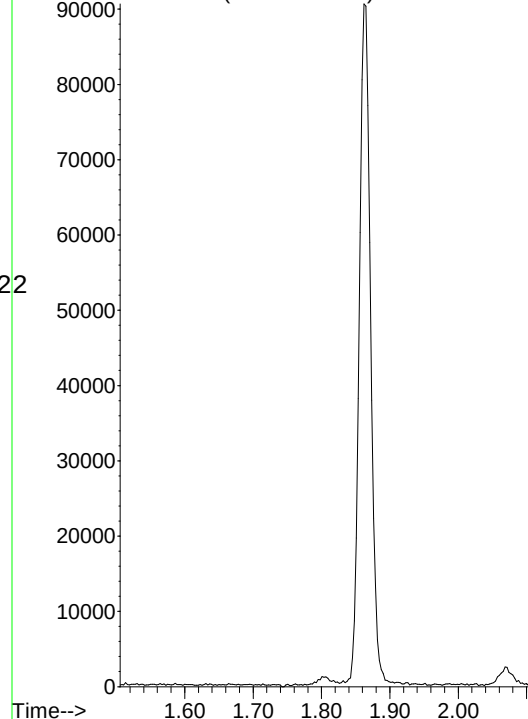
Manual Int. Results

Mon Aug 08 13:59:13 2022

MIuser: EEH
Reason: Split Peak
RT : 0.00
Area : 0
Amount: 0

Manual Integration
ETHANOL

Abundance Ion 45.00 (44.70 to 45.70): C22V21917.D



Data Path : C:\msdchem\1\data\C080822\
 Data File : C22V21918.D
 Acq On : 8 Aug 2022 1:59 pm
 Operator :
 Sample : 8260STD 100PPB 2206105
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Inst : GCMSVOA3

Quant Time: Aug 09 06:41:46 2022
 Quant Method : C:\msdchem\1\methods\C051619.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Mon Aug 08 11:15:01 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) PENTAFLUOROBENZENE - ISTD	4.194	168	207525	30.00	UG/L	0.00
48) 1,4-DIFLUOROBENZENE - ...	4.913	114	305879	30.00	UG/L	0.00
70) CHLOROBENZENE-D5 ISTD	7.749	82	150654	30.00	UG/L	0.00
89) 1,4-DICHLOROBENZENE-D4...	10.044	152	157880m	30.00	UG/L	0.00
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4 SS	4.464	65	95017	24.34	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	97.36%	
49) TOLUENE SS	6.352	98	300659	24.65	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	98.60%	
71) 4-BROMOFLUOROBENZENE SS	8.909	95	113179	25.32	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	101.28%	
Target Compounds						
3) DICHLORODIFLUOROMETHANE	1.087	85	319640	94.48	UG/L	98
4) DIFLUOROCHLOROMETHANE	1.090	51	412969	102.12	UG/L	# 100
5) CHLOROMETHANE	1.196	50	411266m	91.11	UG/L	
6) VINYL CHLORIDE	1.260	62	380257	105.39	UG/L	98
7) BROMOMETHANE	1.444	94	212024	107.65	UG/L	99
8) CHLOROETHANE	1.508	64	235369	118.08	UG/L	98
9) FLUORODICHLOROMETHANE	1.634	67	590184	108.21	UG/L	98
10) TRICHLOROFLUOROMETHANE	1.673	101	462906	115.28	UG/L	97
12) DI ETHYL ETHER	1.862	59	271752	106.11	UG/L	96
13) ACROLEIN	1.957	56	698876	818.29	UG/L	100
14) ACETONE	2.066	43	1216737	934.77	UG/L	95
15) 1,1-DICHLOROETHENE	2.021	61	461747	114.96	UG/L	99
16) 1,1,2-TRICL-1,2,2-TRIF...	2.019	101	273677	124.43	UG/L	87
17) IODOMETHANE	2.136	142	4465385	1358.55	UG/L	99
20) METHYL ACETATE	2.317	43	452746	112.30	UG/L	96
21) T-BUTYL ALCOHOL	2.512	59	527627	1053.68	UG/L	# 92
22) ACRYLONITRILE	2.618	53	173336	100.87	UG/L	99
23) METHYLENE CHLORIDE	2.395	49	446658	104.75	UG/L	96
24) CARBON DISULFIDE	2.189	76	9391706	1212.37	UG/L	100
25) METHYL TERT-BUTYL ETHE...	2.638	73	1035453	114.22	UG/L	96
26) TRANS 1,2-DICHLOROETHENE	2.629	61	448363	107.79	UG/L	96
27) 1,1-DICHLOROETHANE	3.042	63	565481	101.54	UG/L	99
28) VINYL ACETATE	3.112	43	10196995	953.47	UG/L	98
29) DI ISOPROYL ETHER	3.128	45	1158349	96.17	UG/L	96
31) 2-BUTANONE	3.675	43	2057571	880.39	UG/L	96
32) T-BUTYL ETHYL ETHER	3.505	59	1038088	103.40	UG/L	99
33) CIS-1,2-DICHLOROETHENE	3.639	61	514280	106.15	UG/L	93
34) 2,2-DICHLOROPROPANE	3.633	77	451799	108.30	UG/L	90
35) ETHYL ACETATE	3.745	43	454972	96.36	UG/L	98
38) BROMOCHLOROMETHANE	3.879	49	252896	88.50	UG/L	99
39) TETRAHYDROFURAN	3.937	42	138376	99.15	UG/L	91
40) CHLOROFORM	3.971	83	555938	107.70	UG/L	96
41) 1,1,1-TRICHLOROETHANE	4.141	97	466269	113.04	UG/L	97
42) CYCLOHEXANE	4.188	56	455193	93.21	UG/L	93
43) CARBON TETRACHLORIDE	4.305	117	401942	116.28	UG/L	97
44) 1,1-DICHLOROPROPENE	4.308	75	410178	107.27	UG/L	96
45) BENZENE	4.514	78	1203747	100.82	UG/L	99
47) T-AMYL METHYL ETHER	4.648	73	999362	112.04	UG/L	95
50) 1,2-DICHLOROETHANE	4.540	62	466780	112.05	UG/L	98
51) TRICHLOROETHENE	5.156	95	305614	113.53	UG/L	93
52) METHYLCYCLOHEXANE	5.334	83	372434	101.13	UG/L	94
53) 1,2-DICHLOROPROPANE	5.379	63	333400	103.40	UG/L	99
54) DIBROMOMETHANE	5.490	93	224105	112.00	UG/L	94

Data Path : C:\msdchem\1\data\C080822\
 Data File : C22V21918.D
 Acq On : 8 Aug 2022 1:59 pm
 Operator :
 Sample : 8260STD 100PPB 2206105
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Inst : GCMSVOA3

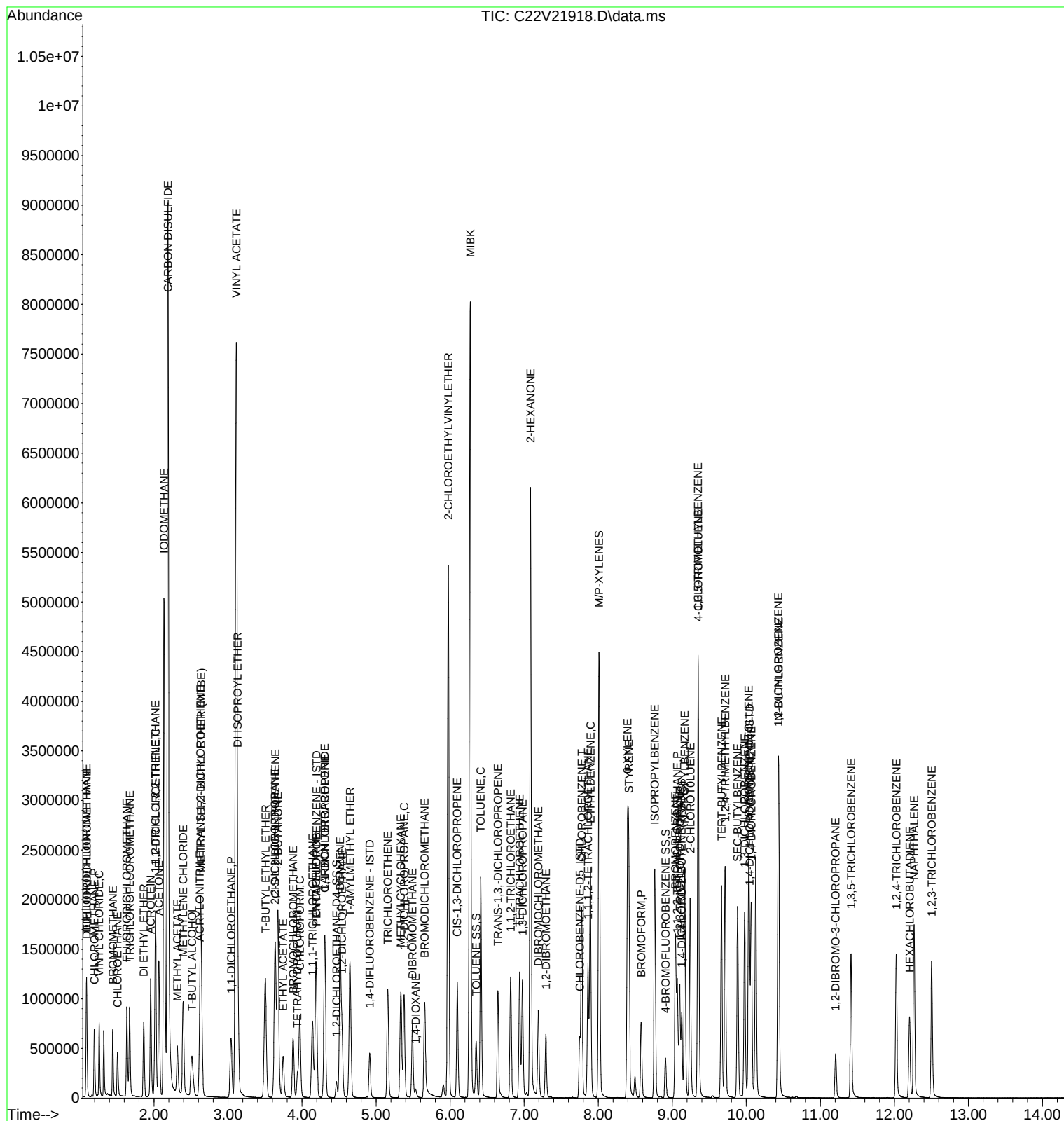
Quant Time: Aug 09 06:41:46 2022
 Quant Method : C:\msdchem\1\methods\C051619.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Mon Aug 08 11:15:01 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
56) 1,4-DIOXANE	5.535	88	50642	1071.56	UG/L	# 68
57) BROMODICHLOROMETHANE	5.655	83	446288	115.77	UG/L	98
58) 2-CHLOROETHYL VINYLETHANOL	5.976	63	1892822	1201.90	UG/L	89
59) MIBK	6.271	43	4688471	987.62	UG/L	98
60) CIS-1,3-DICHLOROPROPENE	6.096	75	538317	109.47	UG/L	97
61) TOLUENE	6.413	91	1296415	109.67	UG/L	98
62) TRANS-1,3-DICHLOROPROPENE	6.645	75	478929	107.74	UG/L	94
64) 1,1,2-TRICHLOROETHANE	6.818	97	315950	113.53	UG/L	96
65) 2-HEXANONE	7.086	43	3381066	991.62	UG/L	98
66) TETRACHLOROETHENE	6.938	166	322443	117.82	UG/L	97
67) 1,3-DICHLOROPROPANE	6.977	76	565125	108.94	UG/L	100
68) DIBROMOCHLOROMETHANE	7.191	129	382189	119.39	UG/L	98
69) 1,2-DIBROMOETHANE	7.292	107	352171	113.37	UG/L	99
72) CHLOROBENZENE	7.777	112	867710	116.84	UG/L	96
73) 1,1,1,2-TETRACHLOROETHANE	7.861	131	327706	123.59	UG/L	99
74) ETHYLBENZENE	7.894	91	1431054	111.93	UG/L	96
75) M/P-XYLENES	8.011	91	2238870	231.10	UG/L	98
76) O-XYLENE	8.396	91	1174808	117.70	UG/L	97
77) STYRENE	8.413	104	980137	121.72	UG/L	95
78) BROMOFORM	8.580	173	309614	132.45	UG/L	99
79) ISOPROPYLBENZENE	8.764	105	1337232	115.48	UG/L	98
81) 1,1,2,2-TETRACHLOROETHANE	9.068	83	520684	118.09	UG/L	96
82) 1,4-DICHLORO-2-BUTENE(...	9.127	53	138109	124.00	UG/L	# 81
83) BROMOBENZENE	9.043	77	580324	109.33	UG/L	95
84) 1,2,3-TRICHLOROPROPANE	9.102	75	399664	108.50	UG/L	97
85) N-PROPYLBENZENE	9.169	91	1530119	112.40	UG/L	98
86) 2-CHLOROTOLUENE	9.244	91	965256	111.72	UG/L	98
87) 1,3,5-TRIMETHYLBENZENE	9.350	105	1105111	114.44	UG/L	97
88) 4-CHLOROTOLUENE	9.353	91	1152655	117.21	UG/L	97
90) TERT-BUTYLBENZENE	9.665	119	890745	104.56	UG/L	97
91) 1,2,4-TRIMETHYLBENZENE	9.715	105	1113048	103.42	UG/L	98
92) SEC-BUTYLBENZENE	9.883	105	1203185	100.10	UG/L	98
93) 1,3-DICHLOROBENZENE	9.977	146	692553	111.05	UG/L	99
94) P-ISOPROPYLTOLUENE	10.033	119	1051949	101.62	UG/L	98
95) 1,4-DICHLOROBENZENE	10.069	146	712839	107.81	UG/L	97
97) N-BUTYLBENZENE	10.437	91	938680	100.79	UG/L	96
98) 1,2-DICHLOROBENZENE	10.432	146	707212	112.41	UG/L	99
99) 1,2-DIBROMO-3-CHLOROPROPANE	11.204	75	96992	112.04	UG/L	90
100) 1,3,5-TRICHLOROBENZENE	11.416	180	448032	104.29	UG/L	99
101) 1,2,4-TRICHLOROBENZENE	12.027	180	423328	104.62	UG/L	100
102) HEXACHLOROBUTADIENE	12.205	225	167920	108.97	UG/L	97
103) NAPHTHALENE	12.267	128	1282262	106.01	UG/L	99
104) 1,2,3-TRICHLOROBENZENE	12.504	180	411470	102.38	UG/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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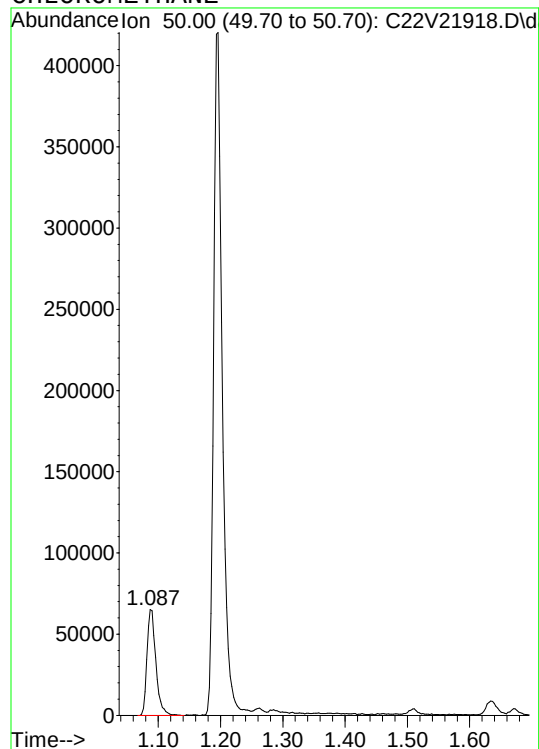
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Quant Method : C:\msdchem\1\methods\C051619.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
QLast Update : Mon Aug 08 11:15:01 2022
Response via : Initial Calibration



Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21918.D
Acq On : 8 Aug 2022 1:59 pm
Operator :
Sample : 8260STD 100PPB 2206105
Misc :

Quant Time : Tue Aug 09 06:41:46 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration
CHLOROMETHANE



Original Int. Results

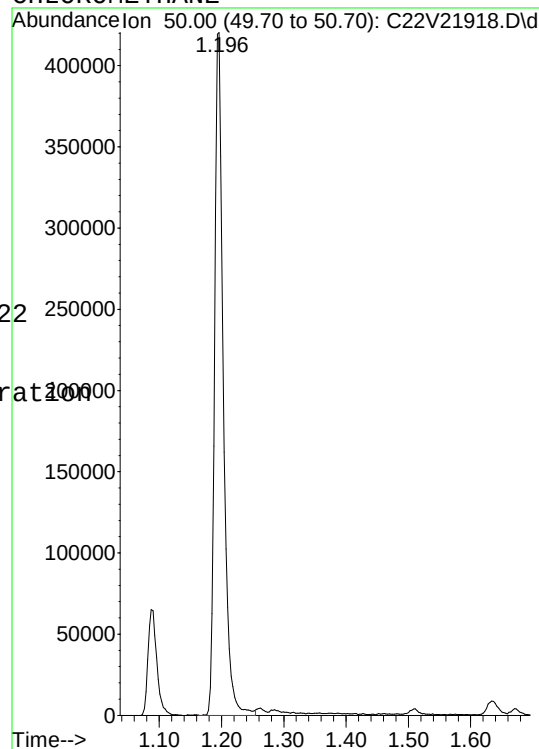
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Manual Int. Results

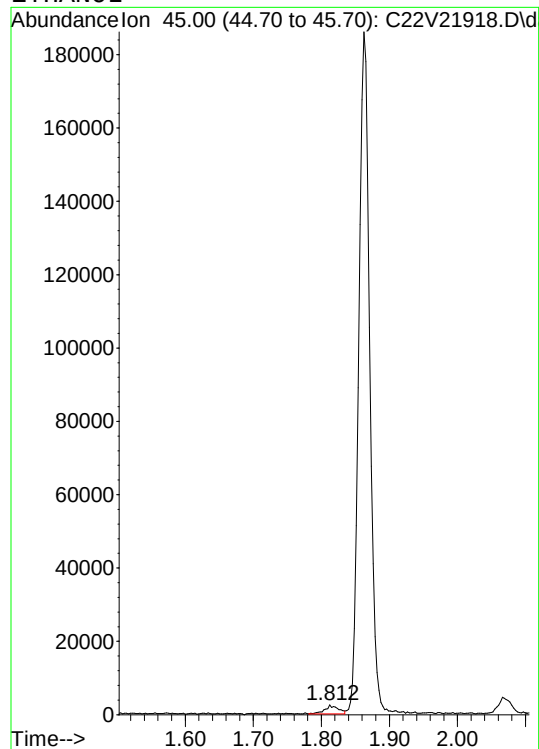
Tue Aug 09 06:23:46 2022

MIuser: EEH
Reason: Incoret Integrat
RT : 1.20
Area : 411266
Amount: 91.1106

Manual Integration
CHLOROMETHANE



Original Integration
ETHANOL



Original Int. Results

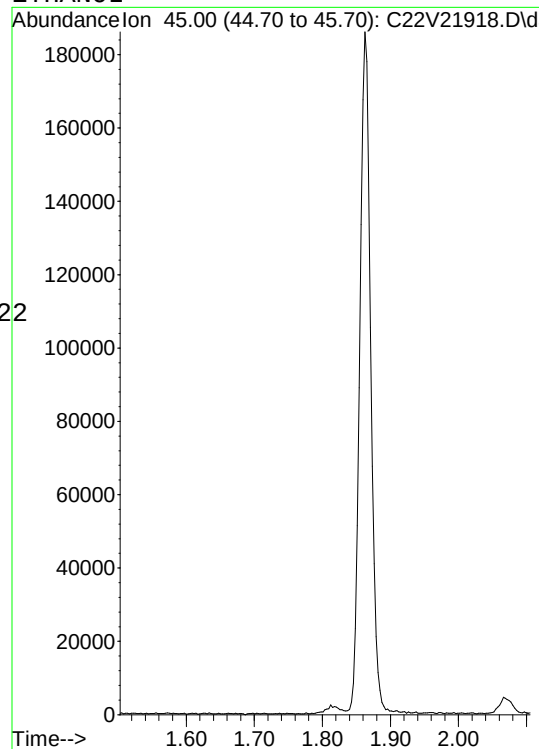
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Area : 3248
Amount: 45.9217

Manual Int. Results

Tue Aug 09 06:23:54 2022

MIuser: EEH
Reason: Split Peak
RT : 0.00
Area : 0
Amount: 0

Manual Integration
ETHANOL



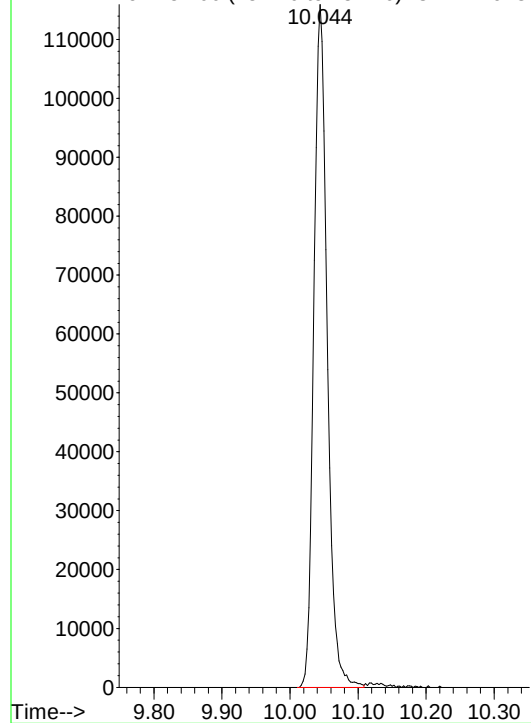
Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21918.D
Acq On : 8 Aug 2022 1:59 pm
Operator :
Sample : 8260STD 100PPB 2206105
Misc :

Quant Time : Tue Aug 09 06:41:46 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration

1,4-DICHLOROBENZENE-D4-ISTD

Abundance on 152.00 (151.70 to 152.70): C22V21918.I



Original Int. Results

RT : 10.04
Area : 156597
Amount: 30

Manual Int. Results

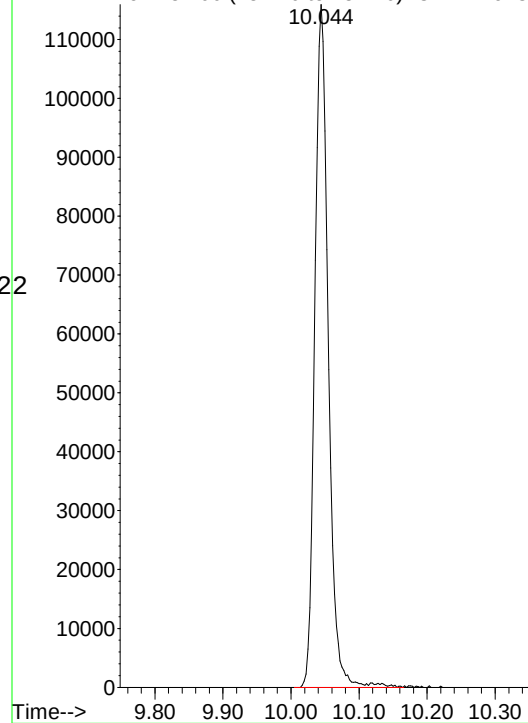
Tue Aug 09 06:41:46 2022

MIuser: EEH
Reason: Split Peak
RT : 10.04
Area : 157880
Amount: 30

Manual Integration

1,4-DICHLOROBENZENE-D4-ISTD

Abundance on 152.00 (151.70 to 152.70): C22V21918.I



Data Path : C:\msdchem\1\data\C080822\
 Data File : C22V21919.D
 Acq On : 8 Aug 2022 2:23 pm
 Operator :
 Sample : 8260STD 200PPB 2206105
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Inst : GCMSVOA3

Quant Time: Aug 09 06:41:16 2022
 Quant Method : C:\msdchem\1\methods\C051619.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Mon Aug 08 11:15:01 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) PENTAFLUOROBENZENE - ISTD	4.194	168	211344	30.00	UG/L	0.00
48) 1,4-DIFLUOROBENZENE - ...	4.913	114	306522	30.00	UG/L	0.00
70) CHLOROBENZENE-D5 ISTD	7.749	82	155515	30.00	UG/L	0.00
89) 1,4-DICHLOROBENZENE-D4...	10.044	152	168149m	30.00	UG/L	0.00
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4 SS	4.467	65	95572	24.04	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	96.16%	
49) TOLUENE SS	6.352	98	304676	24.93	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	99.72%	
71) 4-BROMOFLUOROBENZENE SS	8.909	95	119760	25.96	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	103.84%	
Target Compounds						
3) DICHLORODIFLUOROMETHANE	1.084	85	645308	187.30	UG/L	98
4) DIFLUOROCHLOROMETHANE	1.090	51	847637	205.82	UG/L	# 100
5) CHLOROMETHANE	1.193	50	896006m	194.91	UG/L	
6) VINYL CHLORIDE	1.260	62	769135	209.33	UG/L	98
7) BROMOMETHANE	1.441	94	435223	216.99	UG/L	100
8) CHLOROETHANE	1.500	64	464064	228.60	UG/L	97
9) FLUORODICHLOROMETHANE	1.631	67	1193928	214.95	UG/L	99
10) TRICHLOROFLUOROMETHANE	1.667	101	925780	226.38	UG/L	98
12) DI ETHYL ETHER	1.862	59	548241	210.20	UG/L	97
13) ACRROLEIN	1.957	56	1534492	1764.21	UG/L	100
14) ACETONE	2.069	43	2464910	1859.47	UG/L	95
15) 1,1-DICHLOROETHENE	2.018	61	938436	229.43	UG/L	99
16) 1,1,2-TRICL-1,2,2-TRIF...	2.016	101	544277	242.98	UG/L	88
17) IODOMETHANE	2.136	142	9311028	2781.60	UG/L	98
20) METHYL ACETATE	2.317	43	914564	222.75	UG/L	96
21) T-BUTYL ALCOHOL	2.548	59	1079732m	2117.28	UG/L	
22) ACRYLONITRILE	2.618	53	357191	204.10	UG/L	98
23) METHYLENE CHLORIDE	2.392	49	890641	205.09	UG/L	95
24) CARBON DISULFIDE	2.180	76	16095597m	2040.22	UG/L	
25) METHYL TERT-BUTYL ETHE...	2.638	73	2118935	229.51	UG/L	96
26) TRANS 1,2-DICHLOROETHENE	2.626	61	921008	217.42	UG/L	96
27) 1,1-DICHLOROETHANE	3.039	63	1162755	205.02	UG/L	99
28) VINYL ACETATE	3.109	43	18407533m	1690.09	UG/L	
29) DI ISOPROYL ETHER	3.128	45	2382524	194.23	UG/L	95
31) 2-BUTANONE	3.678	43	4290128	1802.48	UG/L	96
32) T-BUTYL ETHYL ETHER	3.502	59	2135862	208.90	UG/L	99
33) CIS-1,2-DICHLOROETHENE	3.639	61	1058464	214.53	UG/L	93
34) 2,2-DICHLOROPROPANE	3.633	77	923079	217.27	UG/L	91
35) ETHYL ACETATE	3.745	43	902462	187.68	UG/L	99
38) BROMOCHLOROMETHANE	3.878	49	462279	158.85	UG/L	99
39) TETRAHYDROFURAN	3.940	42	288569	203.04	UG/L	91
40) CHLOROFORM	3.971	83	1144572	217.72	UG/L	97
41) 1,1,1-TRICHLOROETHANE	4.141	97	961834	228.97	UG/L	97
42) CYCLOHEXANE	4.188	56	926742	186.33	UG/L	95
43) CARBON TETRACHLORIDE	4.302	117	836570	237.64	UG/L	98
44) 1,1-DICHLOROPROPENE	4.308	75	844424	216.84	UG/L	96
45) BENZENE	4.514	78	2471550	203.27	UG/L	99
47) T-AMYL METHYL ETHER	4.648	73	2073978	228.32	UG/L	95
50) 1,2-DICHLOROETHANE	4.539	62	952554	228.18	UG/L	98
51) TRICHLOROETHENE	5.156	95	630974	233.91	UG/L	94
52) METHYLCYCLOHEXANE	5.337	83	761415	206.31	UG/L	94
53) 1,2-DICHLOROPROPANE	5.379	63	704447	218.02	UG/L	99
54) DIBROMOMETHANE	5.490	93	464522	231.66	UG/L	94

Data Path : C:\msdchem\1\data\C080822\
 Data File : C22V21919.D
 Acq On : 8 Aug 2022 2:23 pm
 Operator :
 Sample : 8260STD 200PPB 2206105
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Inst : GCMSVOA3

Quant Time: Aug 09 06:41:16 2022
 Quant Method : C:\msdchem\1\methods\C051619.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Mon Aug 08 11:15:01 2022
 Response via : Initial Calibration

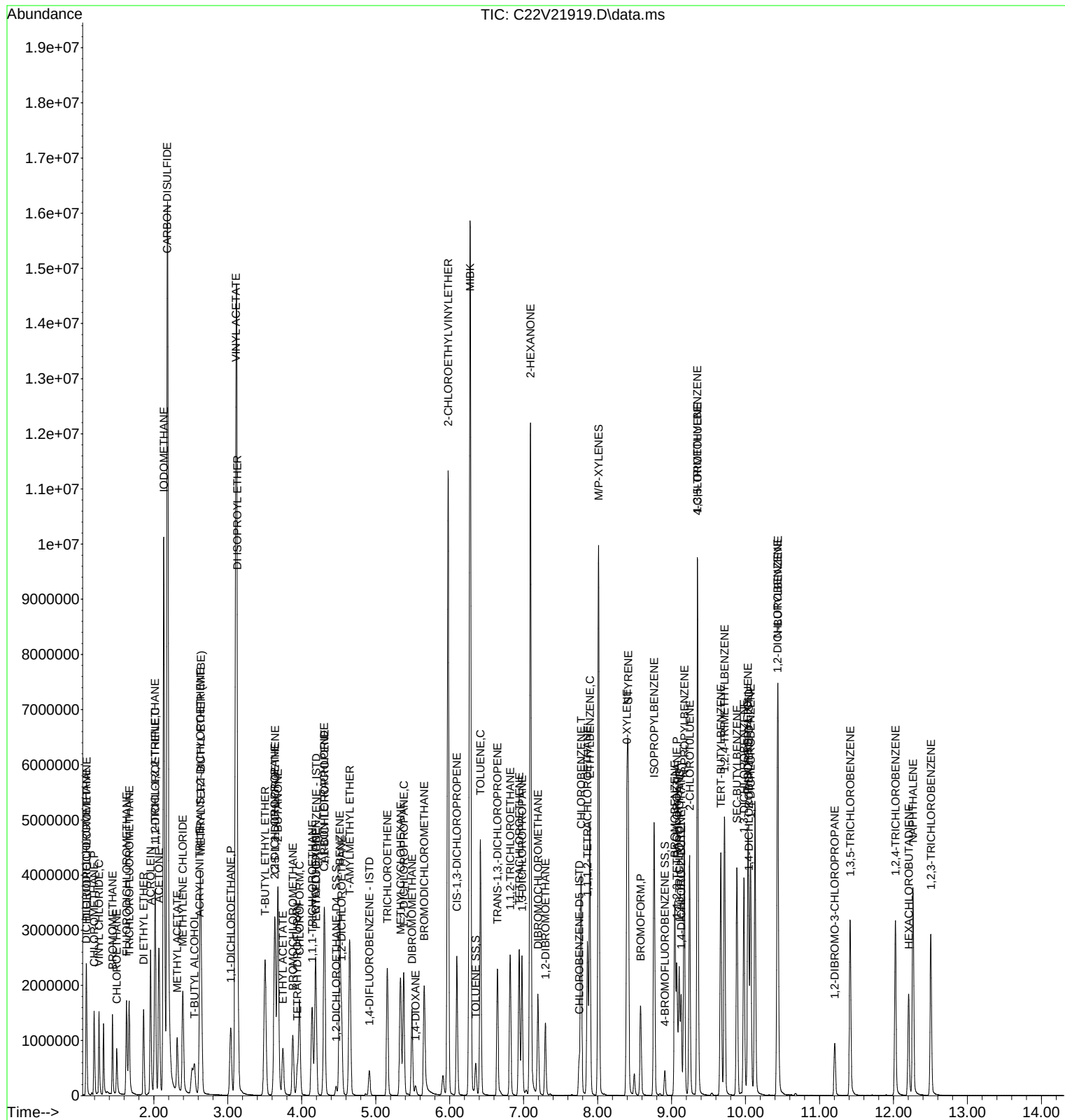
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
56) 1,4-DIOXANE	5.538	88	110598	2335.29	UG/L	# 72
57) BROMODICHLOROMETHANE	5.655	83	927628	240.13	UG/L	97
58) 2-CHLOROETHYL VINYLETHANOL	5.978	63	4058349	2571.56	UG/L	88
59) MIBK	6.277	43	9824542	2065.18	UG/L	97
60) CIS-1,3-DICHLOROPROPENE	6.098	75	1123452	227.98	UG/L	96
61) TOLUENE	6.416	91	2670796	225.45	UG/L	98
62) TRANS-1,3-DICHLOROPROPENE	6.645	75	1010507	226.84	UG/L	94
64) 1,1,2-TRICHLOROETHANE	6.818	97	657021	235.60	UG/L	95
65) 2-HEXANONE	7.094	43	7060536	2066.42	UG/L	96
66) TETRACHLOROETHENE	6.940	166	662506	241.58	UG/L	97
67) 1,3-DICHLOROPROPANE	6.977	76	1169202	224.92	UG/L	99
68) DIBROMOCHLOROMETHANE	7.194	129	805536	251.10	UG/L	98
69) 1,2-DIBROMOETHANE	7.292	107	736716	236.67	UG/L	100
72) CHLOROBENZENE	7.777	112	1806976	235.72	UG/L	96
73) 1,1,1,2-TETRACHLOROETHANE	7.863	131	695384	254.05	UG/L	99
74) ETHYLBENZENE	7.894	91	2977511	225.61	UG/L	97
75) M/P-XYLENES	8.014	91	4738494	473.83	UG/L	98
76) O-XYLENE	8.396	91	2479180	240.62	UG/L	97
77) STYRENE	8.413	104	2101638	252.83	UG/L	95
78) BROMOFORM	8.580	173	662908	274.73	UG/L	99
79) ISOPROPYLBENZENE	8.764	105	2826310	236.44	UG/L	98
81) 1,1,2,2-TETRACHLOROETHANE	9.071	83	1088592	239.18	UG/L	96
82) 1,4-DICHLORO-2-BUTENE(...	9.130	53	292925	254.78	UG/L	# 78
83) BROMOBENZENE	9.043	77	1237286	225.80	UG/L	96
84) 1,2,3-TRICHLOROPROPANE	9.104	75	858506	225.77	UG/L	96
85) N-PROPYLBENZENE	9.171	91	3266018	232.41	UG/L	98
86) 2-CHLOROTOLUENE	9.244	91	2051844	230.07	UG/L	99
87) 1,3,5-TRIMETHYLBENZENE	9.350	105	2398581	240.61	UG/L	98
88) 4-CHLOROTOLUENE	9.353	91	2486811	244.98	UG/L	98
90) TERT-BUTYLBENZENE	9.668	119	1902967	209.73	UG/L	96
91) 1,2,4-TRIMETHYLBENZENE	9.715	105	2378044	207.47	UG/L	99
92) SEC-BUTYLBENZENE	9.885	105	2583625	201.82	UG/L	98
93) 1,3-DICHLOROBENZENE	9.977	146	1483341	223.32	UG/L	100
94) P-ISOPROPYLTOLUENE	10.033	119	2258909	204.89	UG/L	99
95) 1,4-DICHLOROBENZENE	10.069	146	1554151	220.70	UG/L	99
97) N-BUTYLBENZENE	10.437	91	2032947	204.96	UG/L	96
98) 1,2-DICHLOROBENZENE	10.432	146	1523825	227.42	UG/L	99
99) 1,2-DIBROMO-3-CHLOROPROPANE	11.204	75	207303	224.84	UG/L	91
100) 1,3,5-TRICHLOROBENZENE	11.416	180	971990	212.44	UG/L	99
101) 1,2,4-TRICHLOROBENZENE	12.027	180	920627	213.62	UG/L	100
102) HEXACHLOROBUTADIENE	12.205	225	368467	224.51	UG/L	97
103) NAPHTHALENE	12.264	128	2736602	212.43	UG/L	99
104) 1,2,3-TRICHLOROBENZENE	12.507	180	873759	204.12	UG/L	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

215

Inst : GCMSV0A3

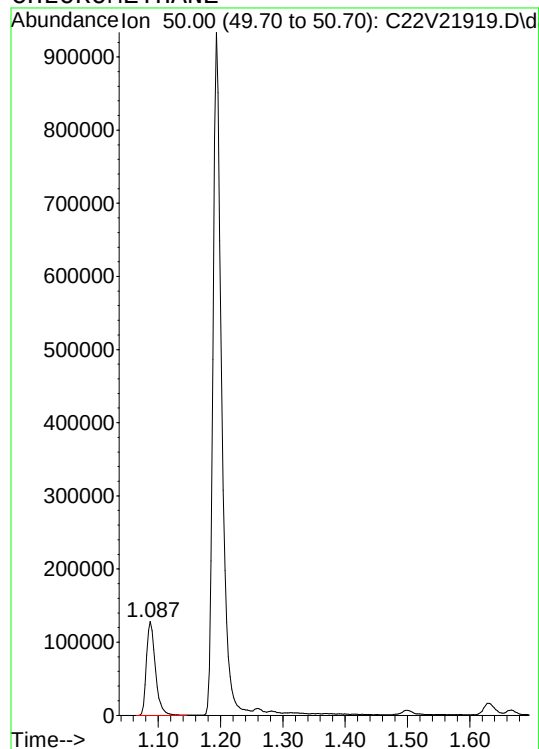
Quant Time: Aug 09 06:41:16 2022
Quant Method : C:\msdchem\1\methods\C051619.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
QLast Update : Mon Aug 08 11:15:01 2022
Response via : Initial Calibration



Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21919.D
Acq On : 8 Aug 2022 2:23 pm
Operator :
Sample : 8260STD 200PPB 2206105
Misc :

Quant Time : Tue Aug 09 06:41:16 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration
CHLOROMETHANE



Original Int. Results

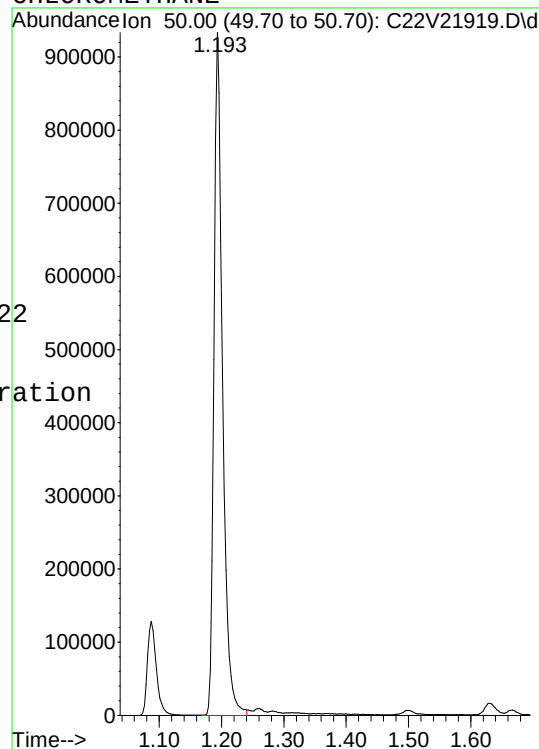
RT : 1.09
Area : 127378
Amount: 27.709

Manual Int. Results

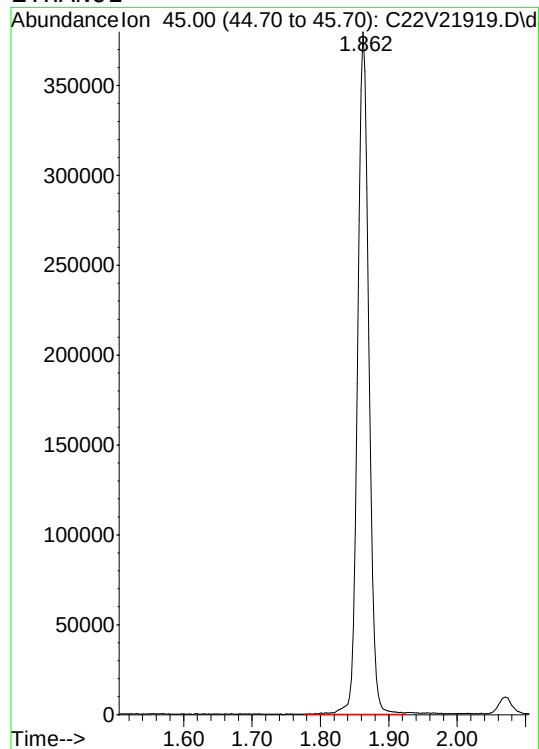
Tue Aug 09 06:25:08 2022

MIuser: EEH
Reason: Incoret Integration
RT : 1.19
Area : 896006
Amount: 194.912

Manual Integration
CHLOROMETHANE



Original Integration
ETHANOL



Original Int. Results

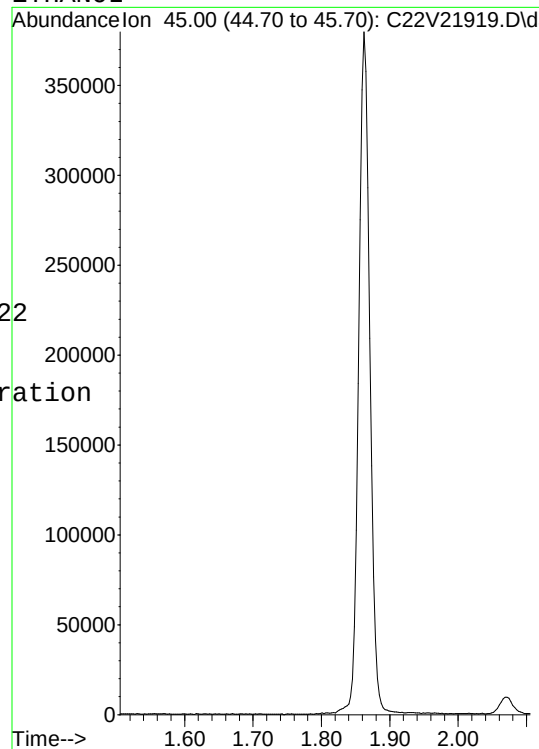
RT : 1.86
Area : 430350
Amount: 5974.53

Manual Int. Results

Tue Aug 09 06:25:18 2022

MIuser: EEH
Reason: Incoret Integration
RT : 0.00
Area : 0
Amount: 0

Manual Integration
ETHANOL



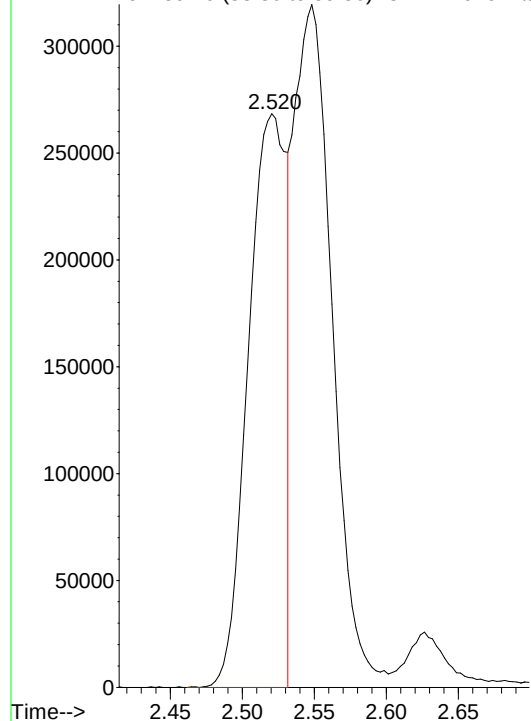
Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21919.D
Acq On : 8 Aug 2022 2:23 pm
Operator :
Sample : 8260STD 200PPB 2206105
Misc :

Quant Time : Tue Aug 09 06:41:16 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration

T-BUTYL ALCOHOL

Abundance Ion 59.10 (58.80 to 59.80): C22V21919.D



Original Int. Results

RT : 2.52
Area : 491853
Amount: 964.489

Manual Int. Results

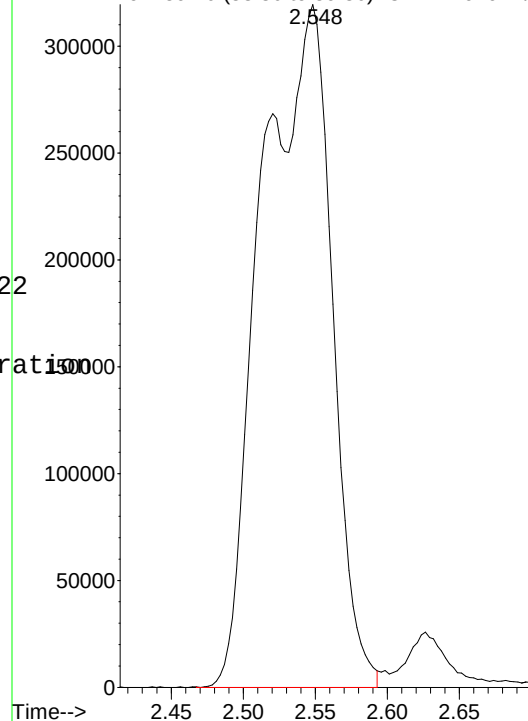
Tue Aug 09 06:25:30 2022

MIuser: EEH
Reason: Incoret Integration
RT : 2.55
Area : 1.07973e+006
Amount: 2117.28

Manual Integration

T-BUTYL ALCOHOL

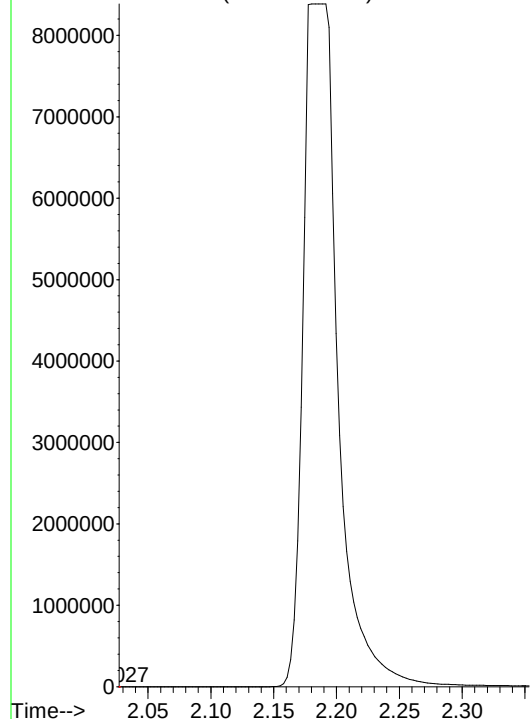
Abundance Ion 59.10 (58.80 to 59.80): C22V21919.D



Original Integration

CARBON DISULFIDE

Abundance Ion 76.00 (75.70 to 76.70): C22V21919.D



Original Int. Results

RT : 0.00
Area : 0
Amount: 0

Manual Int. Results

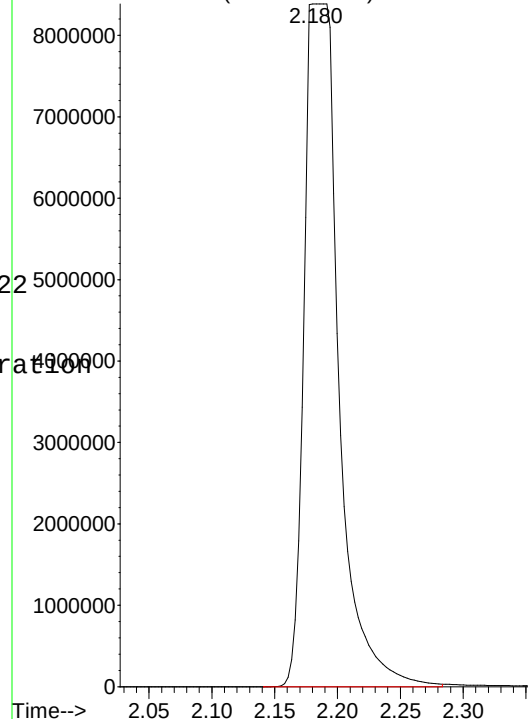
Tue Aug 09 06:25:35 2022

MIuser: EEH
Reason: Incoret Integration
RT : 2.18
Area : 1.60956e+007
Amount: 2040.22

Manual Integration

CARBON DISULFIDE

Abundance Ion 76.00 (75.70 to 76.70): C22V21919.D



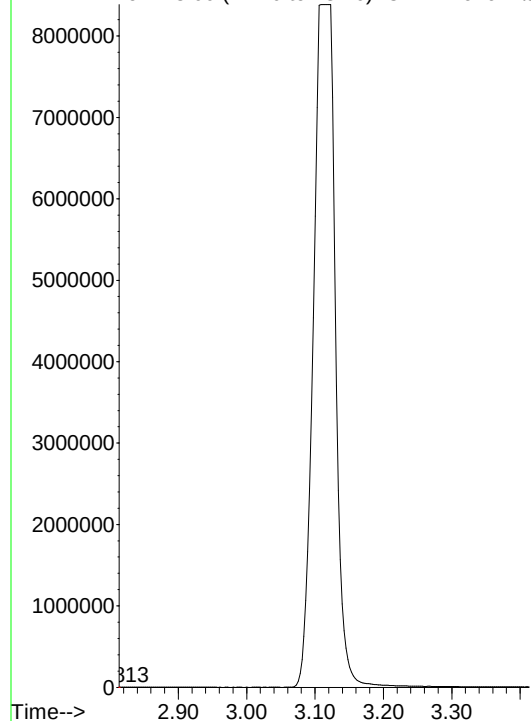
Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21919.D
Acq On : 8 Aug 2022 2:23 pm
Operator :
Sample : 8260STD 200PPB 2206105
Misc :

Quant Time : Tue Aug 09 06:41:16 2022
Quant Method : C:\msdchem\1\methods\C051619.M
QLast Update : Mon Aug 08 11:15:01 2022

Original Integration

VINYL ACETATE

Abundance Ion 43.00 (42.70 to 43.70): C22V21919.D



Original Int. Results

RT : 0.00
Area : 0
Amount: 0

Manual Int. Results

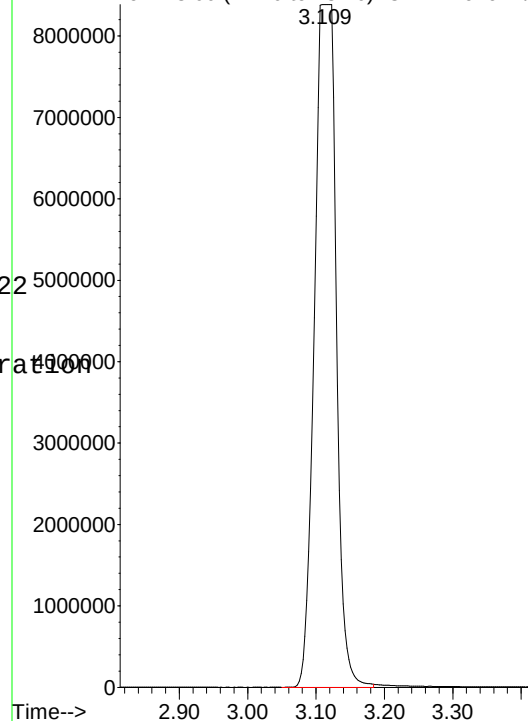
Tue Aug 09 06:25:41 2022

MIuser: EEH
Reason: Incoret Integration
RT : 3.11
Area : 1.84075e+007
Amount: 1690.09

Manual Integration

VINYL ACETATE

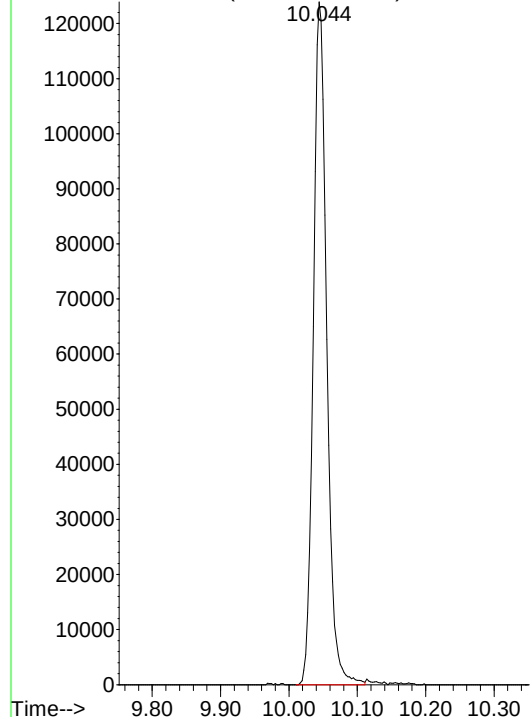
Abundance Ion 43.00 (42.70 to 43.70): C22V21919.D



Original Integration

1,4-DICHLOROBENZENE-D4-ISTD

Abundance Ion 152.00 (151.70 to 152.70): C22V21919.D



Original Int. Results

RT : 10.04
Area : 166653
Amount: 30

Manual Int. Results

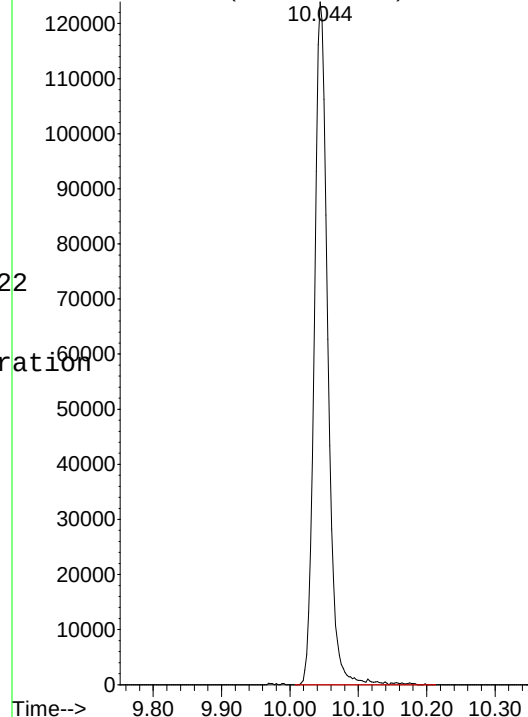
Tue Aug 09 06:41:16 2022

MIuser: EEH
Reason: Incoret Integration
RT : 10.04
Area : 168149
Amount: 30

Manual Integration

1,4-DICHLOROBENZENE-D4-ISTD

Abundance Ion 152.00 (151.70 to 152.70): C22V21919.D



Data Path : C:\msdchem\1\data\C080822\
 Data File : C22V21920.D
 Acq On : 8 Aug 2022 2:47 pm
 Operator :
 Sample : ETOH500PPB
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Inst : GCMSVOA3

Quant Time: Aug 09 06:27:05 2022
 Quant Method : C:\msdchem\1\methods\C051619.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Mon Aug 08 11:15:01 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) PENTAFLUOROBENZENE - ISTD	4.191	168	199302	30.00	UG/L	0.00
48) 1,4-DIFLUOROBENZENE - ...	4.916	114	294765	30.00	UG/L	0.00
70) CHLOROBENZENE-D5 ISTD	7.752	82	142873	30.00	UG/L	0.00
89) 1,4-DICHLOROBENZENE-D4...	10.047	152	138986	30.00	UG/L	# 0.00
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4 SS	4.467	65	92689	24.72	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	98.88%	
49) TOLUENE SS	6.352	98	290149	24.68	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	98.72%	
71) 4-BROMOFLUOROBENZENE SS	8.909	95	106302	25.08	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	100.32%	
Target Compounds						
					Qvalue	
3) DICHLORODIFLUOROMETHANE	1.087	85	1958	0.60	UG/L	96
4) DIFLUOROCHLOROMETHANE	1.095	51	506	0.13	UG/L	# 100
5) CHLOROMETHANE	1.199	50	3753	0.87	UG/L	# 28
6) VINYL CHLORIDE	1.266	62	1356	0.39	UG/L	# 39
7) BROMOMETHANE	1.452	94	1261	0.67	UG/L	87
8) CHLOROETHANE	1.516	64	714	0.37	UG/L	# 41
9) FLUORODICHLOROMETHANE	1.639	67	678	0.13	UG/L	# 43
10) TRICHLOROFLUOROMETHANE	1.678	101	2069	0.54	UG/L	97
11) ETHANOL	1.795	45	32962	485.26	UG/L	# 83
13) ACRROLEIN	1.957	56	3773	4.60	UG/L	94
14) ACETONE	2.069	43	6097	4.88	UG/L	95
15) 1,1-DICHLOROETHENE	2.024	61	1963	0.51	UG/L	93
16) 1,1,2-TRICL-1,2,2-TRIF...	2.021	101	2074	0.98	UG/L	84
17) IODOMETHANE	2.147	142	7527	2.38	UG/L	96
20) METHYL ACETATE	2.322	43	1946	0.50	UG/L	# 64
21) T-BUTYL ALCOHOL	2.509	59	543	1.13	UG/L	# 53
23) METHYLENE CHLORIDE	2.400	49	975	0.24	UG/L	# 68
24) CARBON DISULFIDE	2.191	76	185929	24.99	UG/L	100
26) TRANS 1,2-DICHLOROETHENE	2.626	61	3347	0.84	UG/L	93
27) 1,1-DICHLOROETHANE	3.039	63	561	0.10	UG/L	# 51
28) VINYL ACETATE	3.120	43	9076	0.88	UG/L	100
31) 2-BUTANONE	3.692	43	7329	3.27	UG/L	# 94
33) CIS-1,2-DICHLOROETHENE	3.647	61	1494	0.32	UG/L	# 71
35) ETHYL ACETATE	3.756	43	2474	0.55	UG/L	# 71
40) CHLOROFORM	3.973	83	872	0.18	UG/L	97
41) 1,1,1-TRICHLOROETHANE	4.141	97	629	0.16	UG/L	# 1
42) CYCLOHEXANE	4.191	56	6247	1.33	UG/L	# 56
43) CARBON TETRACHLORIDE	4.305	117	791	0.24	UG/L	# 67
44) 1,1-DICHLOROPROPENE	4.311	75	2432	0.66	UG/L	94
45) BENZENE	4.525	78	2745	0.24	UG/L	# 1
50) 1,2-DICHLOROETHANE	4.551	62	638	0.16	UG/L	# 74
51) TRICHLOROETHENE	5.161	95	1815	0.70	UG/L	# 63
52) METHYLCYCLOHEXANE	5.334	83	3272	0.92	UG/L	95
54) DIBROMOMETHANE	5.499	93	626	0.32	UG/L	# 1
57) BROMODICHLOROMETHANE	5.658	83	621	0.17	UG/L	# 24
58) 2-CHLOROETHYLVINYLETHER	5.995	63	1110	0.73	UG/L	# 60
59) MIBK	6.274	43	14203	3.10	UG/L	97
60) CIS-1,3-DICHLOROPROPENE	6.115	75	1105	0.23	UG/L	# 51
61) TOLUENE	6.419	91	4377	0.38	UG/L	96
62) TRANS-1,3,-DICHLOROPRO...	6.659	75	1107	0.26	UG/L	# 48
65) 2-HEXANONE	7.099	43	16266	4.95	UG/L	87
66) TETRACHLOROETHENE	6.946	166	2966	1.12	UG/L	# 81
67) 1,3-DICHLOROPROPANE	6.988	76	917	0.18	UG/L	# 43

Data Path : C:\msdchem\1\data\C080822\
 Data File : C22V21920.D
 Acq On : 8 Aug 2022 2:47 pm
 Operator :
 Sample : ET0H500PPB
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Inst : GCMSVOA3

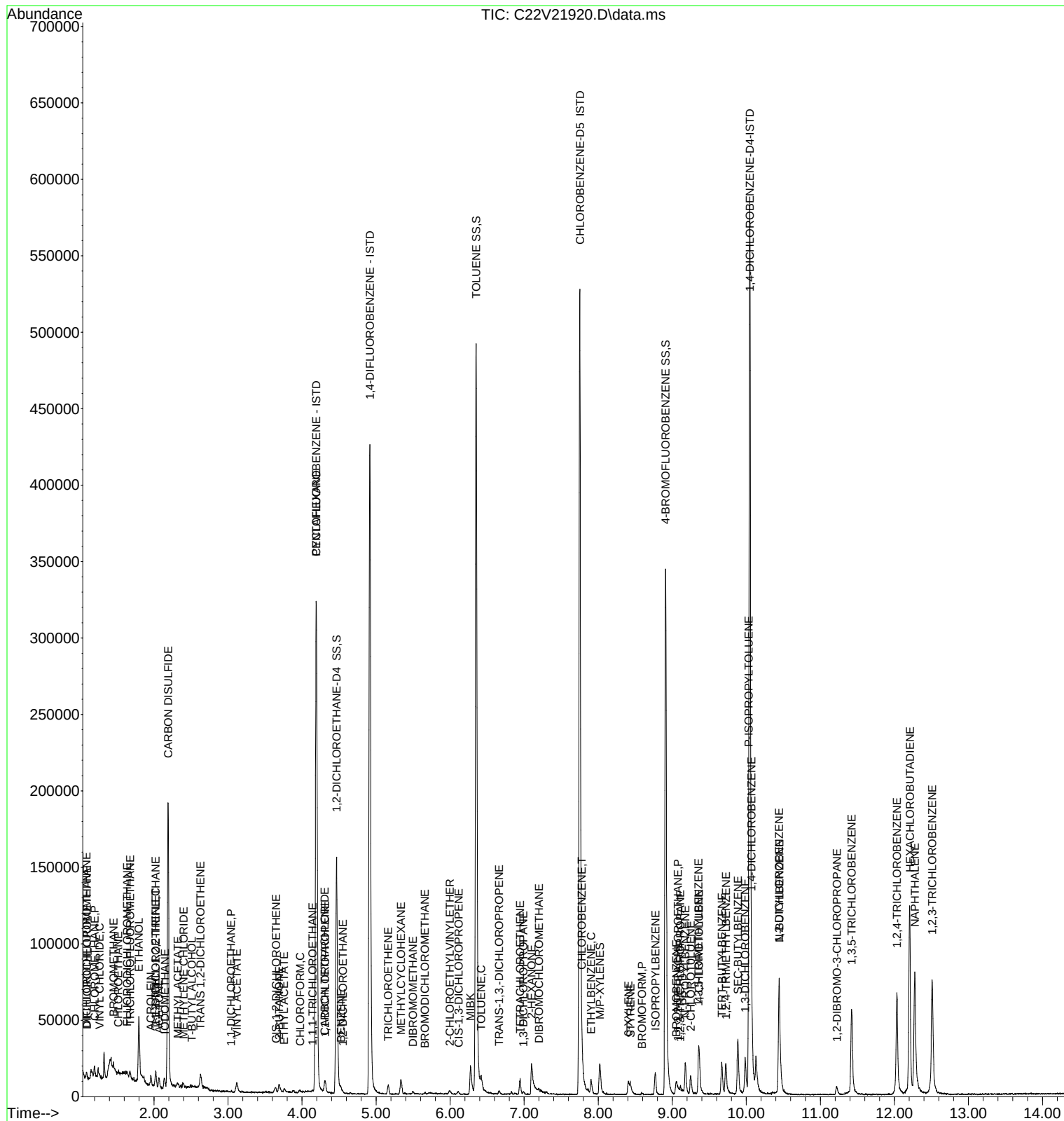
Quant Time: Aug 09 06:27:05 2022
 Quant Method : C:\msdchem\1\methods\C051619.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Mon Aug 08 11:15:01 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) DIBROMOCHLOROMETHANE	7.200	129	722	0.23	UG/L	96
72) CHLOROBENZENE	7.777	112	4175	0.59	UG/L #	89
74) ETHYLBENZENE	7.902	91	7172	0.59	UG/L	96
75) M/P-XYLENES	8.022	91	12711	1.38	UG/L	89
76) O-XYLENE	8.407	91	4974	0.53	UG/L	91
77) STYRENE	8.435	104	4121	0.54	UG/L	92
78) BROMOFORM	8.591	173	668	0.30	UG/L #	36
79) ISOPROPYLBENZENE	8.773	105	9405	0.86	UG/L	96
81) 1,1,2,2-TETRACHLOROETHANE	9.076	83	2512	0.60	UG/L #	95
83) BROMOBENZENE	9.054	77	3853	0.77	UG/L	88
84) 1,2,3-TRICHLOROPROPANE	9.107	75	1057	0.30	UG/L #	38
85) N-PROPYLBENZENE	9.177	91	16276	1.26	UG/L	96
86) 2-CHLOROTOLUENE	9.249	91	6155	0.75	UG/L	88
87) 1,3,5-TRIMETHYLBENZENE	9.355	105	10797	1.18	UG/L #	57
88) 4-CHLOROTOLUENE	9.361	91	10724	1.15	UG/L	99
90) TERT-BUTYLBENZENE	9.670	119	10477	1.40	UG/L	92
91) 1,2,4-TRIMETHYLBENZENE	9.726	105	11450	1.21	UG/L	100
92) SEC-BUTYLBENZENE	9.888	105	23009	2.17	UG/L	100
93) 1,3-DICHLOROBENZENE	9.986	146	10627	1.94	UG/L	97
94) P-ISOPROPYLTOLUENE	10.033	119	22412	2.46	UG/L	96
95) 1,4-DICHLOROBENZENE	10.069	146	10570	1.82	UG/L #	71
97) N-BUTYLBENZENE	10.448	91	34118	4.16	UG/L	99
98) 1,2-DICHLOROBENZENE	10.440	146	9828	1.77	UG/L	92
99) 1,2-DIBROMO-3-CHLOROPR...	11.221	75	1723	2.26	UG/L	89
100) 1,3,5-TRICHLOROBENZENE	11.422	180	19830	5.24	UG/L	98
101) 1,2,4-TRICHLOROBENZENE	12.035	180	23644	6.64	UG/L	99
102) HEXACHLOROBUTADIENE	12.208	225	25802	19.02	UG/L	96
103) NAPHTHALENE	12.275	128	77522	7.28	UG/L	99
104) 1,2,3-TRICHLOROBENZENE	12.509	180	30866	8.72	UG/L	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 09 06:27:05 2022
Quant Method : C:\msdchem\1\methods\C051619.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
QLast Update : Mon Aug 08 11:15:01 2022
Response via : Initial Calibration



Data Path : C:\msdchem\1\data\C080822\
 Data File : C22V21921.D
 Acq On : 8 Aug 2022 3:11 pm
 Operator :
 Sample : ETOH1000PPB
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Inst : GCMSVOA3

Quant Time: Aug 09 06:27:24 2022
 Quant Method : C:\msdchem\1\methods\C051619.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Mon Aug 08 11:15:01 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) PENTAFLUOROBENZENE - ISTD	4.191	168	196471	30.00	UG/L	0.00
48) 1,4-DIFLUOROBENZENE - ...	4.916	114	292968	30.00	UG/L	0.00
70) CHLOROBENZENE-D5 ISTD	7.752	82	142427	30.00	UG/L	0.00
89) 1,4-DICHLOROBENZENE-D4...	10.047	152	135574	30.00	UG/L	# 0.00
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4 SS	4.467	65	93593	25.32	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	101.28%	
49) TOLUENE SS	6.352	98	287212	24.58	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	98.32%	
71) 4-BROMOFLUOROBENZENE SS	8.909	95	104742	24.79	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	99.16%	
Target Compounds						
						Qvalue
3) DICHLORODIFLUOROMETHANE	1.087	85	837	0.26	UG/L	# 43
5) CHLOROMETHANE	1.199	50	2662	0.62	UG/L	# 32
6) VINYL CHLORIDE	1.263	62	509	0.15	UG/L	# 1
7) BROMOMETHANE	1.450	94	1472	0.79	UG/L	# 71
10) TRICHLOROFLUOROMETHANE	1.673	101	775	0.20	UG/L	# 79
11) ETHANOL	1.801	45	65128	972.62	UG/L	# 88
13) ACROLEIN	1.960	56	1154	1.43	UG/L	# 70
14) ACETONE	2.066	43	3193	2.59	UG/L	# 99
15) 1,1-DICHLOROETHENE	2.024	61	749	0.20	UG/L	# 28
16) 1,1,2-TRICL-1,2,2-TRIF...	2.021	101	968	0.46	UG/L	# 3
17) IODOMETHANE	2.144	142	5597	1.80	UG/L	# 91
20) METHYL ACETATE	2.320	43	1308	0.34	UG/L	# 64
24) CARBON DISULFIDE	2.189	76	78744	10.74	UG/L	# 100
26) TRANS 1,2-DICHLOROETHENE	2.638	61	1359	0.35	UG/L	# 52
28) VINYL ACETATE	3.123	43	2316	0.23	UG/L	# 78
31) 2-BUTANONE	3.695	43	2131	0.96	UG/L	# 61
33) CIS-1,2-DICHLOROETHENE	3.761	61	517	0.11	UG/L	# 20
35) ETHYL ACETATE	3.761	43	4059	0.91	UG/L	# 90
42) CYCLOHEXANE	4.188	56	4591	0.99	UG/L	# 28
44) 1,1-DICHLOROPROPENE	4.308	75	1018	0.28	UG/L	# 39
45) BENZENE	4.526	78	1317	0.12	UG/L	# 1
51) TRICHLOROETHENE	5.161	95	658	0.26	UG/L	# 37
52) METHYLCYCLOHEXANE	5.337	83	1173	0.33	UG/L	# 78
59) MIBK	6.285	43	4206	0.93	UG/L	# 91
61) TOLUENE	6.419	91	1644	0.15	UG/L	# 95
65) 2-HEXANONE	7.125	43	3306	1.01	UG/L	# 51
66) TETRACHLOROETHENE	6.949	166	1136	0.43	UG/L	# 61
72) CHLOROBENZENE	7.777	112	923	0.13	UG/L	# 1
74) ETHYLBENZENE	7.911	91	2546	0.21	UG/L	# 83
75) M/P-XYLENES	8.025	91	4476	0.49	UG/L	# 93
77) STYRENE	8.444	104	1378	0.18	UG/L	# 31
79) ISOPROPYLBENZENE	8.775	105	2993	0.27	UG/L	# 86
83) BROMOBENZENE	9.054	77	1070	0.21	UG/L	# 45
85) N-PROPYLBENZENE	9.185	91	5906	0.46	UG/L	# 86
86) 2-CHLOROTOLUENE	9.252	91	1232	0.15	UG/L	# 85
87) 1,3,5-TRIMETHYLBENZENE	9.361	105	3213	0.35	UG/L	# 60
88) 4-CHLOROTOLUENE	9.369	91	3904	0.42	UG/L	# 86
90) TERT-BUTYLBENZENE	9.671	119	2751	0.38	UG/L	# 90
91) 1,2,4-TRIMETHYLBENZENE	9.726	105	3715	0.40	UG/L	# 99
92) SEC-BUTYLBENZENE	9.885	105	5865	0.57	UG/L	# 73
93) 1,3-DICHLOROBENZENE	9.994	146	3476	0.65	UG/L	# 95
94) P-ISOPROPYLTOLUENE	10.036	119	6187	0.70	UG/L	# 80
95) 1,4-DICHLOROBENZENE	10.075	146	4181	0.74	UG/L	# 76

Data Path : C:\msdchem\1\data\C080822\
 Data File : C22V21921.D
 Acq On : 8 Aug 2022 3:11 pm
 Operator :
 Sample : ETOH1000PPB
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Inst : GCMSVOA3

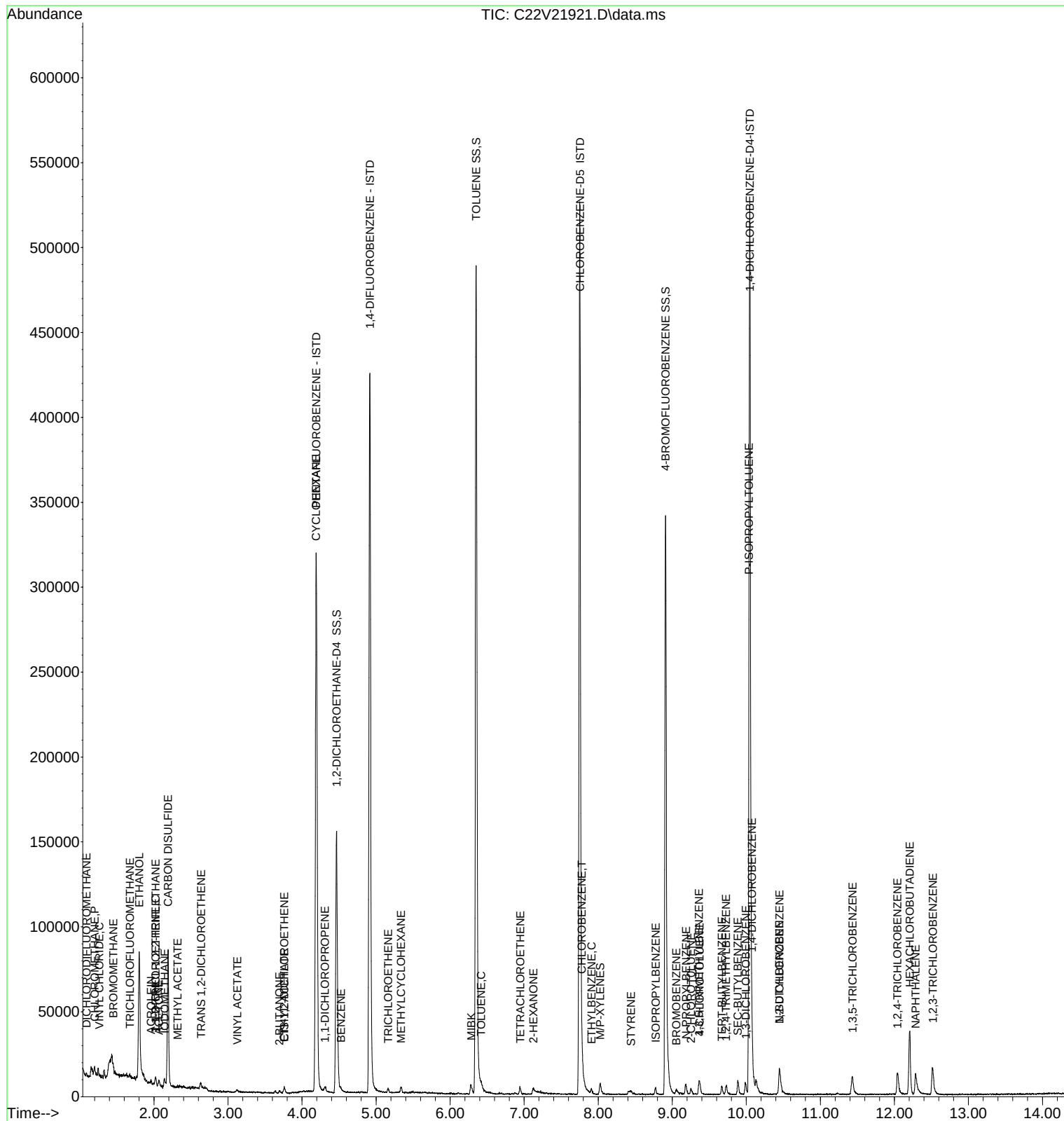
Quant Time: Aug 09 06:27:24 2022
 Quant Method : C:\msdchem\1\methods\C051619.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Mon Aug 08 11:15:01 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97) N-BUTYLBENZENE	10.446	91	8550	1.07	UG/L #	89
98) 1,2-DICHLOROBENZENE	10.449	146	3114	0.58	UG/L #	79
100) 1,3,5-TRICHLOROBENZENE	11.436	180	5189	1.41	UG/L	100
101) 1,2,4-TRICHLOROBENZENE	12.038	180	5666	1.63	UG/L	88
102) HEXACHLOROBUTADIENE	12.205	225	8752	6.61	UG/L	96
103) NAPHTHALENE	12.284	128	13674	1.32	UG/L #	89
104) 1,2,3-TRICHLOROBENZENE	12.518	180	7072	2.05	UG/L	90

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 09 06:27:24 2022
Quant Method : C:\msdchem\1\methods\C051619.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
QLast Update : Mon Aug 08 11:15:01 2022
Response via : Initial Calibration



Data Path : C:\msdchem\1\data\C080822\
 Data File : C22V21922.D
 Acq On : 8 Aug 2022 3:35 pm
 Operator :
 Sample : ET0H2000PPB
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Inst : GCMSVOA3

Quant Time: Aug 09 06:27:41 2022
 Quant Method : C:\msdchem\1\methods\C051619.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Mon Aug 08 11:15:01 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) PENTAFLUOROBENZENE - ISTD	4.191	168	194717	30.00	UG/L	0.00
48) 1,4-DIFLUOROBENZENE - ...	4.913	114	288866	30.00	UG/L	0.00
70) CHLOROBENZENE-D5 ISTD	7.752	82	140108	30.00	UG/L	0.00
89) 1,4-DICHLOROBENZENE-D4...	10.044	152	133200	30.00	UG/L	# 0.00
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4 SS	4.464	65	93586	25.55	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	102.20%	
49) TOLUENE SS	6.349	98	283603	24.62	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	98.48%	
71) 4-BROMOFLUOROBENZENE SS	8.909	95	103874	24.99	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	99.96%	
Target Compounds						
					Qvalue	
5) CHLOROMETHANE	1.193	50	2851	0.67	UG/L	# 41
7) BROMOMETHANE	1.447	94	1288	0.70	UG/L	# 87
8) CHLOROETHANE	1.567	64	562	0.30	UG/L	# 41
11) ETHANOL	1.812	45	133196	2007.06	UG/L	# 85
13) ACROLEIN	1.954	56	527	0.66	UG/L	# 46
14) ACETONE	2.066	43	2714	2.22	UG/L	# 91
17) IODOMETHANE	2.141	142	5800	1.88	UG/L	# 97
20) METHYL ACETATE	2.066	43	2714	0.72	UG/L	# 64
24) CARBON DISULFIDE	2.188	76	47451	6.53	UG/L	# 99
26) TRANS 1,2-DICHLOROETHENE	2.632	61	848	0.22	UG/L	# 67
31) 2-BUTANONE	3.691	43	1130	0.52	UG/L	# 61
33) CIS-1,2-DICHLOROETHENE	3.756	61	1103	0.24	UG/L	# 20
35) ETHYL ACETATE	3.753	43	7689	1.74	UG/L	# 97
42) CYCLOHEXANE	4.193	56	4121	0.90	UG/L	# 24
44) 1,1-DICHLOROPROPENE	4.311	75	577	0.16	UG/L	# 39
51) TRICHLOROETHENE	5.169	95	314	0.12	UG/L	# 1
59) MIBK	6.290	43	2185	0.49	UG/L	# 79
61) TOLUENE	6.419	91	1104	0.10	UG/L	# 21
65) 2-HEXANONE	7.141	43	909	0.28	UG/L	# 26
66) TETRACHLOROETHENE	6.949	166	626	0.24	UG/L	# 22
72) CHLOROBENZENE	7.782	112	908	0.13	UG/L	# 1
74) ETHYLBENZENE	7.908	91	1575	0.13	UG/L	# 42
75) M/P-XYLENES	8.031	91	2556	0.28	UG/L	# 76
85) N-PROPYLBENZENE	9.185	91	3341	0.26	UG/L	# 91
86) 2-CHLOROTOLUENE	9.255	91	1057	0.13	UG/L	# 39
87) 1,3,5-TRIMETHYLBENZENE	9.364	105	1676	0.19	UG/L	# 95
88) 4-CHLOROTOLUENE	9.375	91	2005	0.22	UG/L	# 92
90) TERT-BUTYLBENZENE	9.670	119	1329	0.18	UG/L	# 79
91) 1,2,4-TRIMETHYLBENZENE	9.734	105	2161	0.24	UG/L	# 86
92) SEC-BUTYLBENZENE	9.891	105	3475	0.34	UG/L	# 88
93) 1,3-DICHLOROBENZENE	9.991	146	1968	0.37	UG/L	# 66
94) P-ISOPROPYLTOLUENE	10.033	119	3115	0.36	UG/L	# 84
95) 1,4-DICHLOROBENZENE	10.066	146	2417	0.43	UG/L	# 77
97) N-BUTYLBENZENE	10.454	91	4043	0.51	UG/L	# 46
100) 1,3,5-TRICHLOROBENZENE	11.436	180	2605	0.72	UG/L	# 49
101) 1,2,4-TRICHLOROBENZENE	12.049	180	1601	0.47	UG/L	# 95
102) HEXACHLOROBUTADIENE	12.208	225	3802	2.92	UG/L	# 87
103) NAPHTHALENE	12.297	128	1765	0.17	UG/L	# 72
104) 1,2,3-TRICHLOROBENZENE	12.526	180	2865	0.84	UG/L	# 68

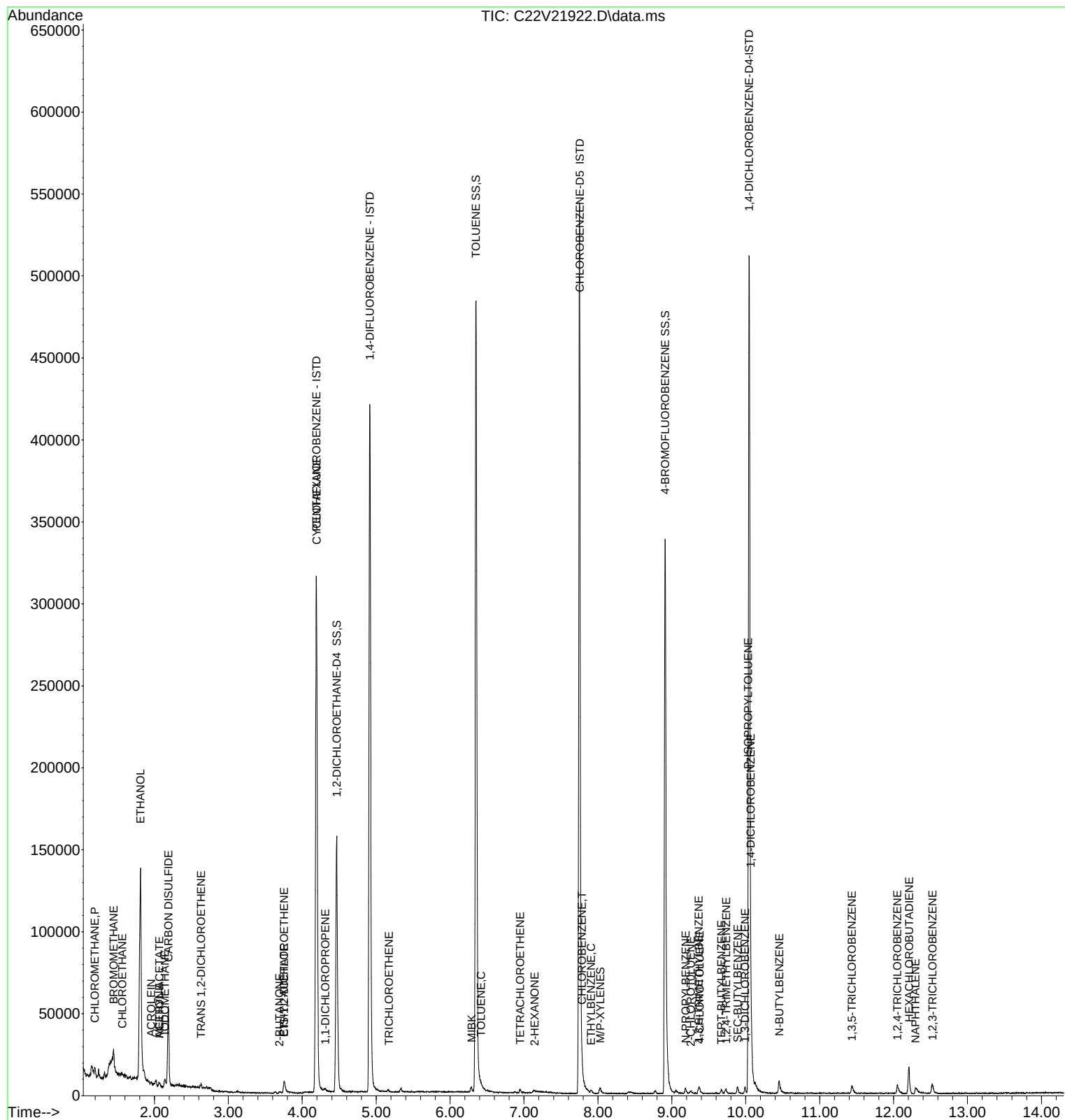
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21922.D
Acq On : 8 Aug 2022 3:35 pm
Operator :
Sample : ET0H2000PPB
Misc :
ALS Vial : 22 Sample Multiplier: 1

Inst : GCMSVOA3

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Quant Time: Aug 09 06:27:41 2022
Quant Method : C:\msdchem\1\methods\C051619.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
QLast Update : Mon Aug 08 11:15:01 2022
Response via : Initial Calibration



Data Path : C:\msdchem\1\data\C080822\
 Data File : C22V21926.D
 Acq On : 8 Aug 2022 5:12 pm
 Operator :
 Sample : ICV 2208129
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Inst : GCMSVOA3

Quant Time: Aug 09 06:49:54 2022
 Quant Method : C:\msdchem\1\methods\C080822.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Tue Aug 09 06:47:59 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) PENTAFLUOROBENZENE - ISTD	4.193	168	189774	30.00	UG/L	0.00
48) 1,4-DIFLUOROBENZENE - ...	4.916	114	281536	30.00	UG/L	0.00
70) CHLOROBENZENE-D5 ISTD	7.752	82	138214	30.00	UG/L	0.00
89) 1,4-DICHLOROBENZENE-D4...	10.047	152	136546	30.00	UG/L	# 0.00
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4 SS	4.467	65	88891	24.96	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	99.84%	
49) TOLUENE SS	6.352	98	277727	24.91	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	99.64%	
71) 4-BROMOFLUOROBENZENE SS	8.909	95	102198	24.94	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	99.76%	
Target Compounds						
3) DICHLORODIFLUOROMETHANE	1.090	85	24441	8.90	UG/L	Qvalue 97
4) DIFLUOROCHLOROMETHANE	1.093	51	29578	8.17	UG/L	# 100
5) CHLOROMETHANE	1.198	50	36170m	8.06	UG/L	
6) VINYL CHLORIDE	1.263	62	29514	8.94	UG/L	94
7) BROMOMETHANE	1.452	94	15899m	8.16	UG/L	
8) CHLOROETHANE	1.519	64	20717	9.09	UG/L	99
9) FLUORODICHLOROMETHANE	1.639	67	56239	10.58	UG/L	99
10) TRICHLOROFLUOROMETHANE	1.675	101	42573	10.53	UG/L	94
11) ETHANOL	1.801	45	6264	95.52	UG/L	# 82
12) DI ETHYL ETHER	1.865	59	28172m	11.99	UG/L	
13) ACROLEIN	1.957	56	89006	153.83	UG/L	100
14) ACETONE	2.069	43	116334	100.99	UG/L	94
15) 1,1-DICHLOROETHENE	2.027	61	41586	10.11	UG/L	99
16) 1,1,2-TRICL-1,2,2-TRIF...	2.021	101	26578	11.13	UG/L	89
17) IODOMETHANE	2.141	142	31157	9.09	UG/L	97
20) METHYL ACETATE	2.317	43	49693	11.08	UG/L	96
21) T-BUTYL ALCOHOL	2.509	59	44372	97.65	UG/L	# 99
22) ACRYLONITRILE	2.618	53	16286	11.39	UG/L	96
23) METHYLENE CHLORIDE	2.395	49	42231	10.39	UG/L	96
24) CARBON DISULFIDE	2.191	76	95591m	11.97	UG/L	
25) METHYL TERT-BUTYL ETHE...	2.640	73	98067	10.97	UG/L	96
26) TRANS 1,2-DICHLOROETHENE	2.632	61	41248	10.55	UG/L	95
27) 1,1-DICHLOROETHANE	3.045	63	54352	10.90	UG/L	99
28) VINYL ACETATE	3.111	43	822655	99.08	UG/L	98
29) DI ISOPROYL ETHER	3.128	45	113424	11.50	UG/L	97
31) 2-BUTANONE	3.675	43	179263	107.58	UG/L	97
32) T-BUTYL ETHYL ETHER	3.502	59	97575	11.15	UG/L	100
33) CIS-1,2-DICHLOROETHENE	3.641	61	47371	10.91	UG/L	94
34) 2,2-DICHLOROPROPANE	3.636	77	40028	10.39	UG/L	93
35) ETHYL ACETATE	3.750	43	37243	9.05	UG/L	98
38) BROMOCHLOROMETHANE	3.881	49	28286	11.79	UG/L	99
39) TETRAHYDROFURAN	3.945	42	11088	9.34	UG/L	# 80
40) CHLOROFORM	3.970	83	51878	10.80	UG/L	96
41) 1,1,1-TRICHLOROETHANE	4.143	97	43242	10.81	UG/L	96
42) CYCLOHEXANE	4.191	56	47912	10.70	UG/L	93
43) CARBON TETRACHLORIDE	4.308	117	35593	10.65	UG/L	97
44) 1,1-DICHLOROPROPENE	4.311	75	36982	10.68	UG/L	95
45) BENZENE	4.517	78	117993	11.19	UG/L	97
47) T-AMYL METHYL ETHER	4.651	73	90203	10.86	UG/L	96
50) 1,2-DICHLOROETHANE	4.542	62	43574	10.86	UG/L	98
51) TRICHLOROETHANE	5.158	95	28612	11.01	UG/L	92
52) METHYLCYCLOHEXANE	5.337	83	36996	11.92	UG/L	94
53) 1,2-DICHLOROPROPANE	5.381	63	32215	11.21	UG/L	# 99

Data Path : C:\msdchem\1\data\C080822\
 Data File : C22V21926.D
 Acq On : 8 Aug 2022 5:12 pm
 Operator :
 Sample : ICV 2208129
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Inst : GCMSVOA3

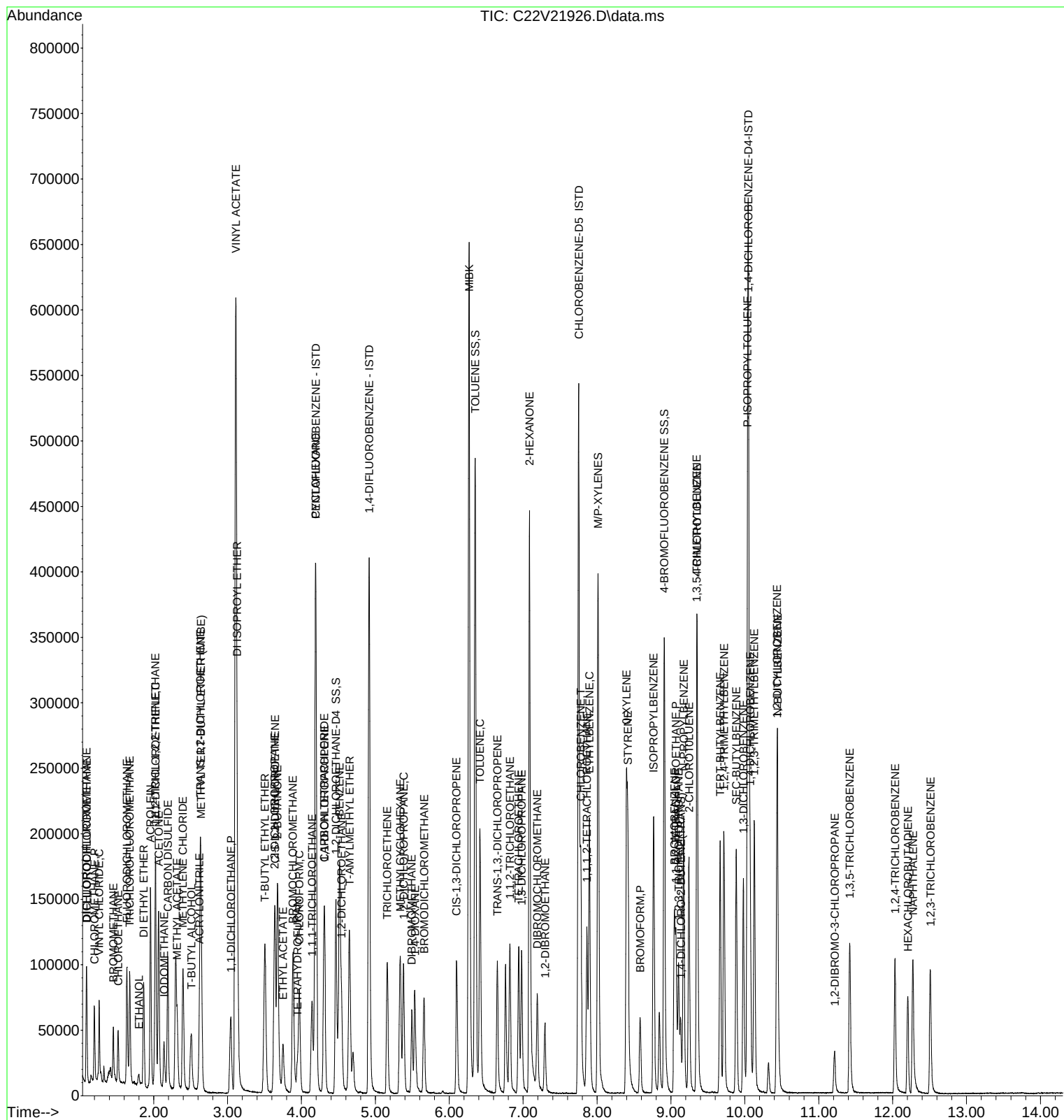
Quant Time: Aug 09 06:49:54 2022
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 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Tue Aug 09 06:47:59 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
54) DIBROMOMETHANE	5.493	93	20111	10.73	UG/L	95
56) 1,4-DIOXANE	5.538	88	4002	90.13	UG/L #	63
57) BROMODICHLOROMETHANE	5.660	83	41309	11.17	UG/L	97
59) MIBK	6.268	43	389646	100.97	UG/L	99
60) CIS-1,3-DICHLOROPROPENE	6.098	75	49439	11.13	UG/L	95
61) TOLUENE	6.416	91	124756	11.12	UG/L	98
62) TRANS-1,3,-DICHLOROPRO...	6.650	75	45740	11.94	UG/L	93
64) 1,1,2-TRICHLOROETHANE	6.820	97	29172	11.11	UG/L	94
65) 2-HEXANONE	7.085	43	277547	104.01	UG/L	99
66) TETRACHLOROETHENE	6.937	166	30129	11.43	UG/L	98
67) 1,3-DICHLOROPROPANE	6.979	76	51563	11.04	UG/L	99
68) DIBROMOCHLOROMETHANE	7.191	129	32115	10.17	UG/L	99
69) 1,2-DIBROMOETHANE	7.297	107	32069	11.42	UG/L	100
72) CHLOROBENZENE	7.780	112	81462	11.22	UG/L	94
73) 1,1,1,2-TETRACHLOROETHANE	7.863	131	29516	10.96	UG/L	97
74) ETHYLBENZENE	7.897	91	137483	11.71	UG/L	96
75) M/P-XYLENES	8.014	91	208536	22.74	UG/L	97
76) O-XYLENE	8.399	91	109906	11.39	UG/L	99
77) STYRENE	8.415	104	88231	11.38	UG/L	95
78) BROMOFORM	8.583	173	24384	10.11	UG/L #	96
79) ISOPROPYLBENZENE	8.764	105	124696	11.30	UG/L	98
81) 1,1,2,2-TETRACHLOROETHANE	9.068	83	46483	10.99	UG/L	93
82) 1,4-DICHLORO-2-BUTENE(...	9.135	53	9616	8.71	UG/L #	80
83) BROMOBENZENE	9.048	77	54575	11.34	UG/L	93
84) 1,2,3-TRICHLOROPROPANE	9.104	75	34367	9.91	UG/L	100
85) N-PROPYLBENZENE	9.171	91	141646	11.48	UG/L	98
86) 2-CHLOROTOLUENE	9.244	91	91912	11.42	UG/L	97
87) 1,3,5-TRIMETHYLBENZENE	9.350	105	103276	11.42	UG/L	97
88) 4-CHLOROTOLUENE	9.355	91	101269	11.07	UG/L	98
90) TERT-BUTYLBENZENE	9.665	119	83076	11.36	UG/L	96
91) 1,2,4-TRIMETHYLBENZENE	9.718	105	101956	11.34	UG/L	99
92) SEC-BUTYLBENZENE	9.885	105	116837m	11.98	UG/L	
93) 1,3-DICHLOROBENZENE	9.980	146	62605	11.53	UG/L	98
94) P-ISOPROPYLTOLUENE	10.036	119	99302	11.84	UG/L	98
95) 1,4-DICHLOROBENZENE	10.072	146	62600	10.82	UG/L	96
96) 1,2,3-TRIMETHYLBENZENE	10.128	105	109442	10.98	UG/L #	100
97) N-BUTYLBENZENE	10.443	91	78874	11.18	UG/L	95
98) 1,2-DICHLOROBENZENE	10.434	146	62162	11.25	UG/L	99
99) 1,2-DIBROMO-3-CHLOROPR...	11.215	75	8035	10.70	UG/L	89
100) 1,3,5-TRICHLOROBENZENE	11.419	180	38892	11.53	UG/L	100
101) 1,2,4-TRICHLOROBENZENE	12.032	180	32526	10.52	UG/L	97
102) HEXACHLOROBUTADIENE	12.205	225	14795	11.39	UG/L	95
103) NAPHTHALENE	12.275	128	87171	9.41	UG/L	100
104) 1,2,3-TRICHLOROBENZENE	12.512	180	31367	10.38	UG/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

229

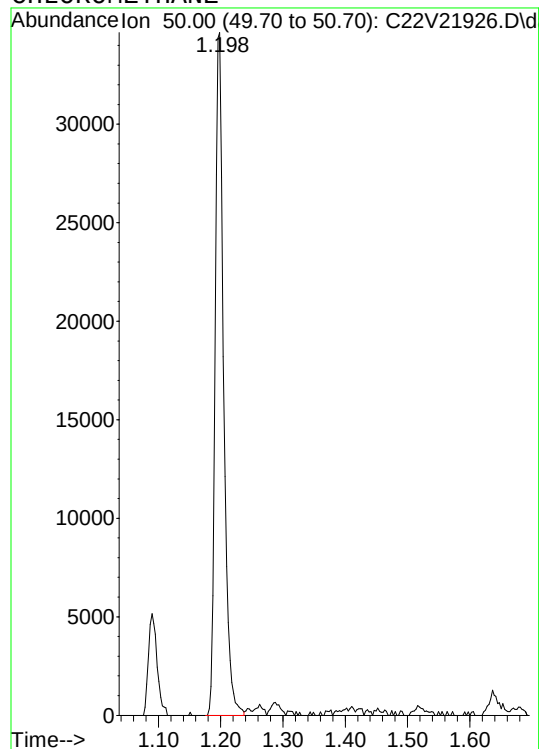
Quant Time: Aug 09 06:49:54 2022
Quant Method : C:\msdchem\1\methods\C080822.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
QLast Update : Tue Aug 09 06:47:59 2022
Response via : Initial Calibration



Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21926.D
Acq On : 8 Aug 2022 5:12 pm
Operator :
Sample : ICV 2208129
Misc :

Quant Time : Tue Aug 09 06:49:54 2022
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Tue Aug 09 06:47:59 2022

Original Integration
CHLOROMETHANE



Original Int. Results

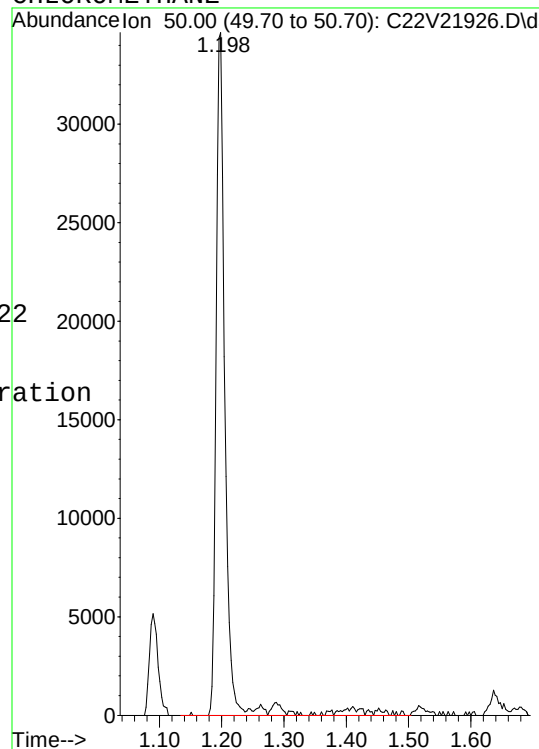
RT : 1.20
Area : 33011
Amount: 7.35473

Manual Int. Results

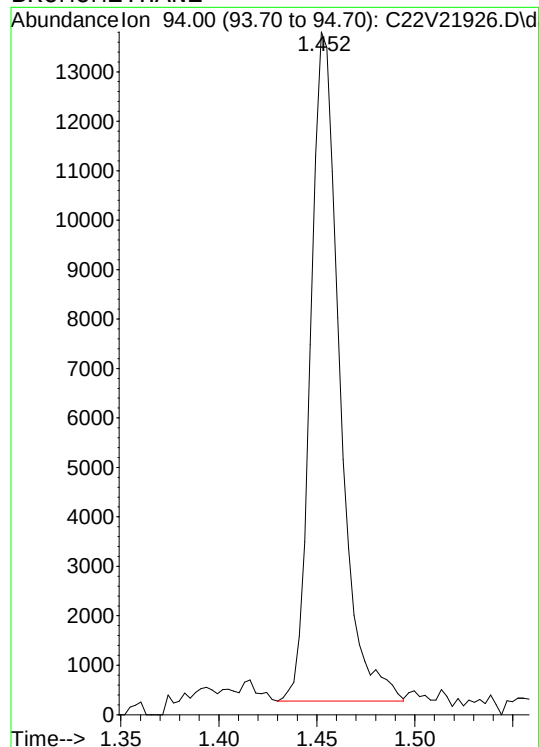
Tue Aug 09 06:49:07 2022

MIuser: EEH
Reason: Incoret Integration
RT : 1.20
Area : 36170
Amount: 8.05854

Manual Integration
CHLOROMETHANE



Original Integration
BROMOMETHANE



Original Int. Results

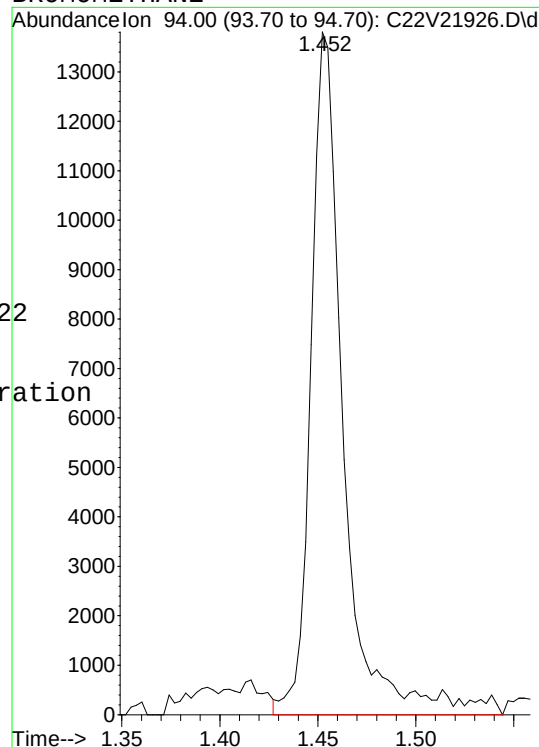
RT : 1.45
Area : 13859
Amount: 7.11414

Manual Int. Results

Tue Aug 09 06:49:20 2022

MIuser: EEH
Reason: Incoret Integration
RT : 1.45
Area : 15899
Amount: 8.16132

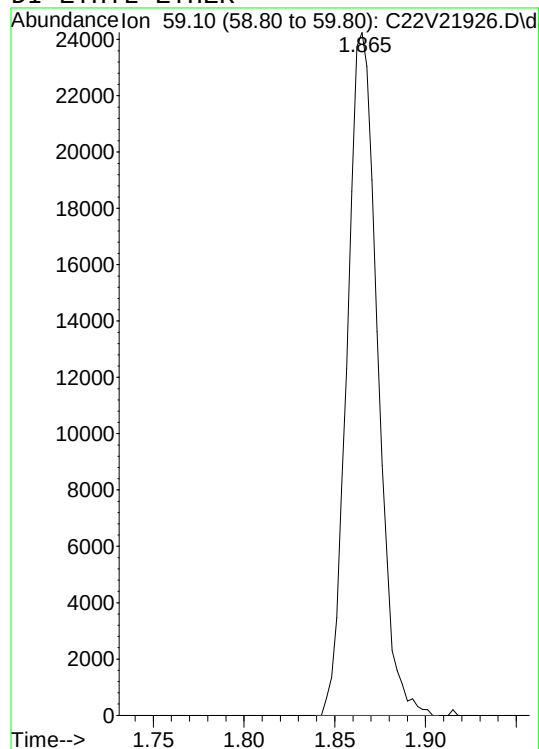
Manual Integration
BROMOMETHANE



Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21926.D
Acq On : 8 Aug 2022 5:12 pm
Operator :
Sample : ICV 2208129
Misc :

Quant Time : Tue Aug 09 06:49:54 2022
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Tue Aug 09 06:47:59 2022

Original Integration
DI ETHYL ETHER



Original Int. Results

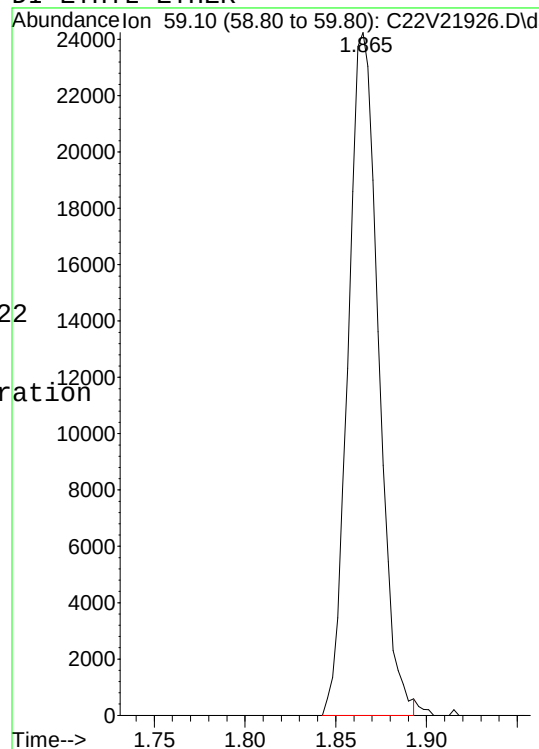
RT : 1.86
Area : 28303
Amount: 12.0481

Manual Int. Results

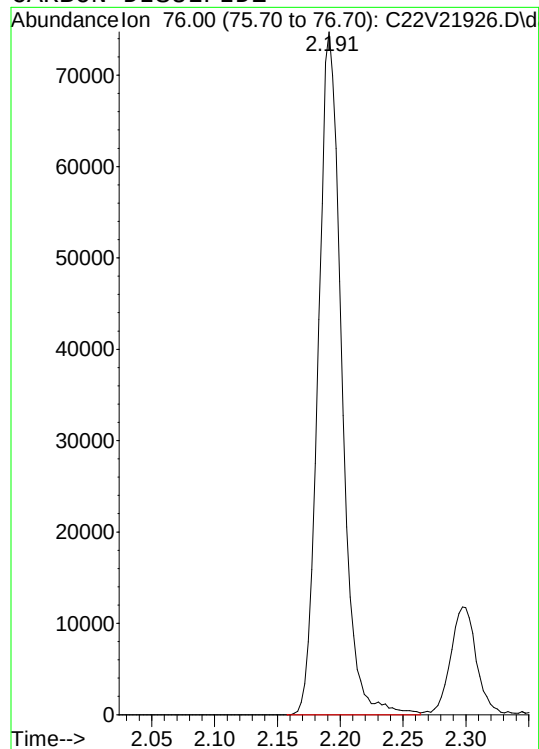
Tue Aug 09 06:49:54 2022

MIuser: EEH
Reason: Incoret Integration
RT : 1.86
Area : 28172
Amount: 11.9924

Manual Integration
DI ETHYL ETHER



Original Integration
CARBON DISULFIDE



Original Int. Results

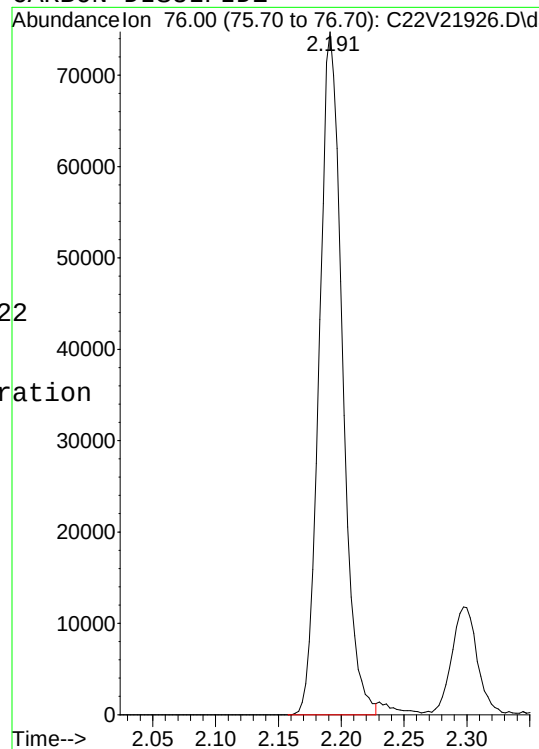
RT : 2.19
Area : 97000
Amount: 12.1458

Manual Int. Results

Tue Aug 09 06:49:28 2022

MIuser: EEH
Reason: Incoret Integration
RT : 2.19
Area : 95591
Amount: 11.9694

Manual Integration
CARBON DISULFIDE

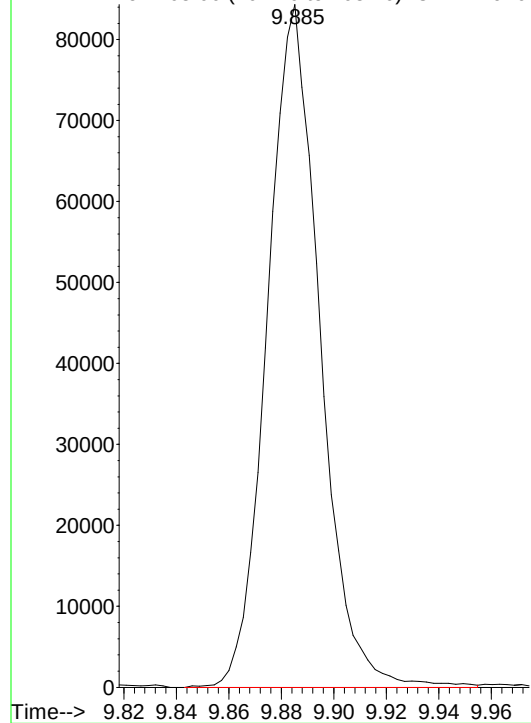


Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21926.D
Acq On : 8 Aug 2022 5:12 pm
Operator :
Sample : ICV 2208129
Misc :

Quant Time : Tue Aug 09 06:49:54 2022
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Tue Aug 09 06:47:59 2022

Original Integration
SEC-BUTYLBENZENE

Abundance on 105.00 (104.70 to 105.70): C22V21926.D



Original Int. Results

RT : 9.89
Area : 117544
Amount: 12.0487

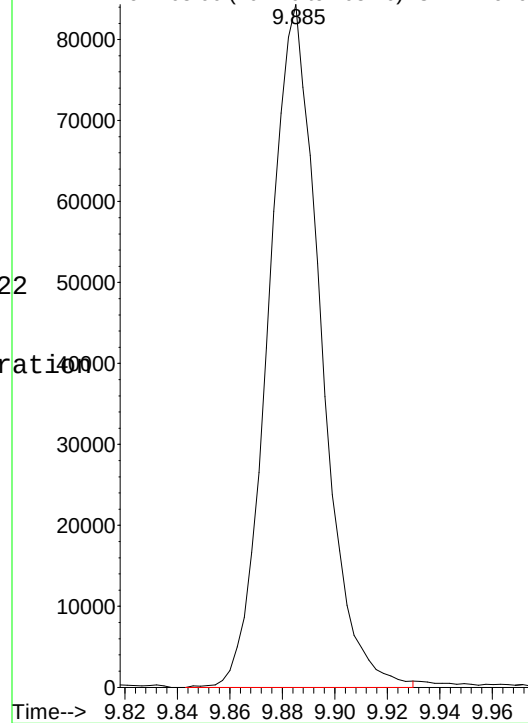
Manual Int. Results

Tue Aug 09 06:49:35 2022

MIuser: EEH
Reason: Incoret Integration
RT : 9.89
Area : 116837
Amount: 11.9763

Manual Integration
SEC-BUTYLBENZENE

Abundance on 105.00 (104.70 to 105.70): C22V21926.D



INITIAL CALIBRATION VERIFICATION

SW-846 8260D

Laboratory:	Pace New England	Work Order:	24H4216
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	North Lawrence Oil Dump - CO 152166
Instrument ID:	GCMSVOA3	Calibration:	2200537
Lab File ID:	C22V21926.D	Calibration Date:	08/08/22 10:18
Sequence:	S075427	Injection Date:	08/08/22
Lab Sample ID:	S075427-ICV1	Injection Time:	17:12

COMPOUND	TYPE	CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Acetone	A	100	101	0.1820924	0.183904		1.0	30
Acrolein	A	100	154	9.146822E-02	0.1407032		53.8	30 *
Acrylonitrile	A	10.0	11.4	0.22594	0.2574536		13.9	30
tert-Amyl Methyl Ether (TAME)	A	10.0	10.9	1.312452	1.425954		8.6	30
Benzene	A	10.0	11.2	1.667645	1.865266		11.9	30
Bromobenzene	A	10.0	11.3	1.045039	1.184576		13.4	30
Bromochloromethane	A	10.0	11.8	0.3793018	0.4471529		17.9	30
Bromodichloromethane	A	10.0	11.2	0.3940258	0.4401817		11.7	30
Bromoform	A	10.0	10.1	0.5234936	0.5292662		1.1	30
Bromomethane	A	10.0	8.16	0.3079598	0.2513358		-18.4	30
2-Butanone (MEK)	A	100	108	0.2634095	0.2833839		7.6	30
tert-Butyl Alcohol (TBA)	A	100	97.6	7.183306E-02	7.014449E-02		-2.4	30
n-Butylbenzene	A	10.0	11.2	1.549707	1.732911		11.8	30
sec-Butylbenzene	A	10.0	12.0	2.143392	2.566981		19.8	30
tert-Butylbenzene	A	10.0	11.4	1.606643	1.825231		13.6	30
tert-Butyl Ethyl Ether (TBEE)	A	10.0	11.2	1.383365	1.542493		11.5	30
Carbon Disulfide	A	10.0	12.0	1.262495	1.511129		19.7	30
Carbon Tetrachloride	A	10.0	10.6	0.528229	0.562664		6.5	30
Chlorobenzene	A	10.0	11.2	1.57638	1.768171		12.2	30
Chlorodibromomethane	A	10.0	10.2	0.3363907	0.342212		1.7	30
Chloroethane	A	10.0	9.09	0.3601205	0.3275001		-9.1	30
Chloroform	A	10.0	10.8	0.7591359	0.8201018		8.0	30
Chloromethane	A	10.0	8.06	0.7095398	0.5717854		-19.4	30
2-Chlorotoluene	A	10.0	11.4	1.746367	1.994993		14.2	30
4-Chlorotoluene	A	10.0	11.1	1.985163	2.198091		10.7	30
Cyclohexane	A	10.0	10.7	0.7080121	0.7574062		7.0	30
1,2-Dibromo-3-chloropropane (DBCP)	A	10.0	10.7	0.1649304	0.1765339		7.0	30
1,2-Dibromoethane (EDB)	A	10.0	11.4	0.299296	0.3417218		14.2	30
Dibromomethane	A	10.0	10.7	0.1997103	0.2142994		7.3	30

INITIAL CALIBRATION VERIFICATION

SW-846 8260D

Laboratory:	Pace New England	Work Order:	24H4216
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	North Lawrence Oil Dump - CO 152166
Instrument ID:	GCMSVOA3	Calibration:	2200537
Lab File ID:	C22V21926.D	Calibration Date:	08/08/22 10:18
Sequence:	S075427	Injection Date:	08/08/22
Lab Sample ID:	S075427-ICV1	Injection Time:	17:12

COMPOUND	TYPE	CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
1,2-Dichlorobenzene	A	10.0	11.2	1.213634	1.365738		12.5	30
1,3-Dichlorobenzene	A	10.0	11.5	1.193097	1.375471		15.3	30
1,4-Dichlorobenzene	A	10.0	10.8	1.270795	1.375361		8.2	30
trans-1,4-Dichloro-2-butene	A	10.0	8.71	0.239735	0.2087198		-12.9	30
Dichlorodifluoromethane (Freon 12)	A	10.0	8.90	0.4341094	0.3863701		-11.0	30
1,1-Dichloroethane	A	10.0	10.9	0.787926	0.8592115		9.0	30
1,2-Dichloroethane	A	10.0	10.9	0.4276246	0.4643172		8.6	30
1,1-Dichloroethylene	A	10.0	10.1	0.6503172	0.657403		1.1	30
cis-1,2-Dichloroethylene	A	10.0	10.9	0.6864345	0.7488539		9.1	30
trans-1,2-Dichloroethylene	A	10.0	10.6	0.6178868	0.6520598		5.5	30
Dichlorofluoromethane (Freon 21)	A	10.0	10.6	0.8403159	0.8890417		5.8	30
1,2-Dichloropropane	A	10.0	11.2	0.306328	0.3432776		12.1	30
1,3-Dichloropropane	A	10.0	11.0	0.4974963	0.5494466		10.4	30
2,2-Dichloropropane	A	10.0	10.4	0.6088295	0.6327737		3.9	30
1,1-Dichloropropene	A	10.0	10.7	0.5473735	0.5846217		6.8	30
cis-1,3-Dichloropropene	A	10.0	11.1	0.4734604	0.5268136		11.3	30
trans-1,3-Dichloropropene	A	10.0	11.9	0.4080538	0.4873977		19.4	30
Diethyl Ether	A	10.0	12.0	0.3713617	0.4453508		19.9	30
Difluorochloromethane (Freon 22)	A	10.0	8.17	0.5720824	0.4675772		-18.3	30
Diisopropyl Ether (DIPE)	A	10.0	11.5	1.558552	1.793038		15.0	30
1,4-Dioxane	A	100	90.1	4.731593E-03	4.264464E-03		-9.9	30
Ethanol	A	100	95.5	1.036708E-02	9.902305E-03		-4.5	30
Ethyl Acetate	A	10.0	9.05	0.6506099	0.5887477		-9.5	30
Ethylbenzene	A	10.0	11.7	2.549064	2.984133		17.1	30
Hexachlorobutadiene	A	10.0	11.4	0.2852952	0.3250553		13.9	30
2-Hexanone (MBK)	A	100	104	0.2843475	0.2957494		4.0	30
Iodomethane	A	10.0	9.09	0.5420061	0.4925385		-9.1	30
Isopropylbenzene (Cumene)	A	10.0	11.3	2.395221	2.706585		13.0	30

INITIAL CALIBRATION VERIFICATION

SW-846 8260D

Laboratory:	Pace New England	Work Order:	24H4216
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	North Lawrence Oil Dump - CO 152166
Instrument ID:	GCMSVOA3	Calibration:	2200537
Lab File ID:	C22V21926.D	Calibration Date:	08/08/22 10:18
Sequence:	S075427	Injection Date:	08/08/22
Lab Sample ID:	S075427-ICV1	Injection Time:	17:12

COMPOUND	TYPE	CONC. (µg/L)		RESPONSE FACTOR		% DIFF / DRIFT	
		STD	ICV	ICAL	ICV	MIN (#)	LIMIT (#)
p-Isopropyltoluene (p-Cymene)	A	10.0	11.8	1.842122	2.181726	18.4	30
Methyl Acetate	A	10.0	11.1	0.7088624	0.7855607	10.8	30
Methyl tert-Butyl Ether (MTBE)	A	10.0	11.0	1.412808	1.55027	9.7	30
Methyl Cyclohexane	A	10.0	11.9	0.3308172	0.3942231	19.2	30
Methylene Chloride	A	10.0	10.4	0.6427786	0.6675994	3.9	30
4-Methyl-2-pentanone (MIBK)	A	100	101	0.4112112	0.4152002	1.0	30
Naphthalene	A	10.0	9.41	2.035952	1.915201	-5.9	30
n-Propylbenzene	A	10.0	11.5	2.678168	3.074493	14.8	30
Styrene	A	10.0	11.4	1.683114	1.915095	13.8	30
1,1,1,2-Tetrachloroethane	A	10.0	11.0	0.5844025	0.6406587	9.6	30
1,1,2,2-Tetrachloroethane	A	10.0	11.0	0.9177436	1.008935	9.9	30
Tetrachloroethylene	A	10.0	11.4	0.2808079	0.3210495	14.3	30
Tetrahydrofuran	A	10.0	9.34	0.1875945	0.1752822	-6.6	30
Toluene	A	10.0	11.1	1.195157	1.329379	11.2	30
1,2,3-Trichlorobenzene	A	10.0	10.4	0.6638408	0.6891524	3.8	30
1,2,4-Trichlorobenzene	A	10.0	10.5	0.6791191	0.7146163	5.2	30
1,3,5-Trichlorobenzene	A	10.0	11.5	0.7413149	0.8544813	15.3	30
1,1,1-Trichloroethane	A	10.0	10.8	0.6322124	0.6835815	8.1	30
1,1,2-Trichloroethane	A	10.0	11.1	0.2797054	0.3108519	11.1	30
Trichloroethylene	A	10.0	11.0	0.2768359	0.3048846	10.1	30
Trichlorofluoromethane (Freon 11)	A	10.0	10.5	0.6391431	0.6730058	5.3	30
1,2,3-Trichloropropane	A	10.0	9.91	0.7526804	0.7459519	-0.9	30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	A	10.0	11.1	0.377547	0.4201524	11.3	30
1,2,4-Trimethylbenzene	A	10.0	11.3	1.974771	2.240036	13.4	30
1,3,5-Trimethylbenzene	A	10.0	11.4	1.963624	2.241654	14.2	30
Vinyl Acetate	A	100	99.1	1.31257	1.300476	-0.9	30
Vinyl Chloride	A	10.0	8.94	0.5221577	0.4665655	-10.6	30
m+p Xylene	A	20.0	22.7	1.99021	2.263186	13.7	30

INITIAL CALIBRATION VERIFICATION

SW-846 8260D

Laboratory:	Pace New England	Work Order:	24H4216
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	North Lawrence Oil Dump - CO 152166
Instrument ID:	GCMSVOA3	Calibration:	2200537
Lab File ID:	C22V21926.D	Calibration Date:	08/08/22 10:18
Sequence:	S075427	Injection Date:	08/08/22
Lab Sample ID:	S075427-ICV1	Injection Time:	17:12

COMPOUND	TYPE	CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
o-Xylene	A	10.0	11.4	2.094658	2.385562		13.9	30
1,2-Dichloroethane-d4	A	25.0	25.0	0.5629535	0.5620854		-0.2	
Toluene-d8	A	25.0	24.9	1.188132	1.183765		-0.4	
4-Bromofluorobenzene	A	25.0	24.9	0.8894447	0.8873023		-0.2	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

CONTINUING CALIBRATION VERIFICATION

SW-846 8260D

Laboratory:	Pace New England	Work Order:	24H4216
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	North Lawrence Oil Dump - CO 152166
Instrument ID:	GCMSVOA3	Calibration:	2200537
Lab File ID:	C24V24803.D	Calibration Date:	08/08/22 10:18
Sequence:	S109958	Injection Date:	09/04/24
Lab Sample ID:	S109958-CCV1	Injection Time:	08:51

COMPOUND	TYPE	CONC. (µg/L)		RESPONSE FACTOR		% DIFF / DRIFT		
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	100	100	0.1820924	0.1824048		0.2	20
Benzene	A	10.0	12.3	1.667645	2.049501		22.9	20 *
Bromochloromethane	A	10.0	11.9	0.3793018	0.4526278		19.3	20
Bromodichloromethane	A	10.0	10.0	0.3940258	0.3939418		-0.02	20
Bromoform	A	10.0	8.18	0.5234936	0.4279778		-18.2	20
Bromomethane	A	10.0	14.3	0.3079598	0.4403094		43.0	20 *
2-Butanone (MEK)	A	100	108	0.2634095	0.2851399		8.2	20
n-Butylbenzene	A	10.0	9.45	1.549707	1.463756		-5.5	20
sec-Butylbenzene	A	10.0	10.0	2.143392	2.153021		0.4	20
tert-Butylbenzene	A	10.0	10.1	1.606643	1.629415		1.4	20
Carbon Disulfide	A	100	114	1.262495	1.419376		12.4	20
Carbon Tetrachloride	A	10.0	6.34	0.528229	0.3350993		-36.6	20 *
Chlorobenzene	A	10.0	11.7	1.57638	1.842652		16.9	20
Chlorodibromomethane	A	10.0	8.16	0.3363907	0.2743467		-18.4	20
Chloroethane	A	10.0	9.91	0.3601205	0.3567296		-0.9	20
Chloroform	A	10.0	11.5	0.7591359	0.8731758		15.0	20
Chloromethane	A	10.0	12.6	0.7095398	0.8962687		26.3	20 *
Cyclohexane	A	10.0	11.5	0.7080121	0.8141515		15.0	20
1,2-Dibromo-3-chloropropane (DBCP)	A	10.0	9.52	0.1649304	0.157057		-4.8	20
1,2-Dibromoethane (EDB)	A	10.0	10.1	0.299296	0.3025331		1.1	20
1,2-Dichlorobenzene	A	10.0	11.5	1.213634	1.39787		15.2	20
1,3-Dichlorobenzene	A	10.0	11.5	1.193097	1.369708		14.8	20
1,4-Dichlorobenzene	A	10.0	10.8	1.270795	1.376475		8.3	20
Dichlorodifluoromethane (Freon 12)	A	10.0	10.3	0.4341094	0.4473299		3.0	20
1,1-Dichloroethane	A	10.0	11.4	0.787926	0.8948711		13.6	20
1,2-Dichloroethane	A	10.0	11.1	0.4276246	0.4727674		10.6	20
1,1-Dichloroethylene	A	10.0	10.9	0.6503172	0.7100302		9.2	20
cis-1,2-Dichloroethylene	A	10.0	11.2	0.6864345	0.7676732		11.8	20
trans-1,2-Dichloroethylene	A	10.0	10.3	0.6178868	0.6368512		3.1	20

CONTINUING CALIBRATION VERIFICATION

SW-846 8260D

Laboratory:	Pace New England	Work Order:	24H4216
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	North Lawrence Oil Dump - CO 152166
Instrument ID:	GCMSVOA3	Calibration:	2200537
Lab File ID:	C24V24803.D	Calibration Date:	08/08/22 10:18
Sequence:	S109958	Injection Date:	09/04/24
Lab Sample ID:	S109958-CCV1	Injection Time:	08:51

COMPOUND	TYPE	CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dichloropropane	A	10.0	12.0	0.306328	0.366773		19.7	20
cis-1,3-Dichloropropene	A	10.0	9.37	0.4734604	0.4437166		-6.3	20
trans-1,3-Dichloropropene	A	10.0	8.67	0.4080538	0.3537631		-13.3	20
Ethylbenzene	A	10.0	11.2	2.549064	2.859917		12.2	20
2-Hexanone (MBK)	A	100	80.0	0.2843475	0.2275798		-20.0	20
Isopropylbenzene (Cumene)	A	10.0	10.1	2.395221	2.418785		1.0	20
p-Isopropyltoluene (p-Cymene)	A	10.0	10.4	1.842122	1.91975		4.2	20
Methyl Acetate	A	10.0	12.8	0.7088624	0.9036955		27.5	20 *
Methyl tert-Butyl Ether (MTBE)	A	10.0	10.8	1.412808	1.518266		7.5	20
Methyl Cyclohexane	A	10.0	13.1	0.3308172	0.434602		31.4	20 *
Methylene Chloride	A	10.0	10.2	0.6427786	0.6544024		1.8	20
4-Methyl-2-pentanone (MIBK)	A	100	84.4	0.4112112	0.3468708		-15.6	20
Naphthalene	A	10.0	5.32	2.035952	1.082989		-46.8	20 *
n-Propylbenzene	A	10.0	9.95	2.678168	2.664017		-0.5	20
Styrene	A	10.0	10.1	1.683114	1.697937		0.9	20
1,1,2,2-Tetrachloroethane	A	10.0	11.3	0.9177436	1.037934		13.1	20
Tetrachloroethylene	A	10.0	11.0	0.2808079	0.3076539		9.6	20
Toluene	A	10.0	10.6	1.195157	1.262861		5.7	20
1,2,3-Trichlorobenzene	A	10.0	8.75	0.6638408	0.5808343		-12.5	20
1,2,4-Trichlorobenzene	A	10.0	7.86	0.6791191	0.5339062		-21.4	20 *
1,1,1-Trichloroethane	A	10.0	11.1	0.6322124	0.7018071		11.0	20
1,1,2-Trichloroethane	A	10.0	10.7	0.2797054	0.2997538		7.2	20
Trichloroethylene	A	10.0	11.5	0.2768359	0.3181909		14.9	20
Trichlorofluoromethane (Freon 11)	A	10.0	10.7	0.6391431	0.6860922		7.3	20
1,2,3-Trichloropropane	A	10.0	10.9	0.7526804	0.8216561		9.2	20
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	A	10.0	11.3	0.377547	0.4278448		13.3	20
1,2,4-Trimethylbenzene	A	10.0	10.7	1.974771	2.109736		6.8	20
1,3,5-Trimethylbenzene	A	10.0	10.4	1.963624	2.038949		3.8	20

CONTINUING CALIBRATION VERIFICATION

SW-846 8260D

Laboratory:	Pace New England	Work Order:	24H4216
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	North Lawrence Oil Dump - CO 152166
Instrument ID:	GCMSVOA3	Calibration:	2200537
Lab File ID:	C24V24803.D	Calibration Date:	08/08/22 10:18
Sequence:	S109958	Injection Date:	09/04/24
Lab Sample ID:	S109958-CCV1	Injection Time:	08:51

COMPOUND	TYPE	CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Vinyl Chloride	A	10.0	10.0	0.5221577	0.523808		0.3	20
m+p Xylene	A	20.0	21.8	1.99021	2.166249		8.8	20
o-Xylene	A	10.0	10.2	2.094658	2.147961		2.5	20
1,2-Dichloroethane-d4	A	25.0	23.7	0.5629535	0.5337862		-5.2	
Toluene-d8	A	25.0	22.6	1.188132	1.072098		-9.8	
4-Bromofluorobenzene	A	25.0	23.5	0.8894447	0.8375143		-5.8	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

Data Path : C:\msdchem\1\data\C090424\
 Data File : C24V24803.D
 Acq On : 4 Sep 2024 8:51 am
 Operator :
 Sample : 8260 STD 10PPB 24H0680
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Inst : GCMSVOA3

Quant Time: Sep 04 10:39:22 2024
 Quant Method : C:\msdchem\1\methods\C080822.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Wed Jan 10 12:13:53 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) PENTAFLUOROBENZENE - ISTD	4.286	168	184602	30.00	UG/L	0.00
49) 1,4-DIFLUOROBENZENE - ...	5.006	114	274175	30.00	UG/L	0.00
72) CHLOROBENZENE-D5 ISTD	7.839	82	113354	30.00	UG/L	0.00
91) 1,4-DICHLOROBENZENE-D4...	10.134	152	109508	30.00	UG/L	# 0.00
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4 SS	4.559	65	82115	23.70	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	94.80%	
50) TOLUENE SS	6.439	98	244952	22.56	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	90.24%	
73) 4-BROMOFLUOROBENZENE SS	8.996	95	79113	23.54	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	94.16%	
Target Compounds						
					Qvalue	
3) DICHLORODIFLUOROMETHANE	1.124	85	27526	10.30	UG/L	98
4) DIFLUOROCHLOROMETHANE	1.132	51	33139	9.41	UG/L	# 100
5) CHLOROMETHANE	1.238	50	55151	12.63	UG/L	# 24
6) VINYL CHLORIDE	1.308	62	32232	10.03	UG/L	90
7) BROMOMETHANE	1.503	94	27094	14.30	UG/L	100
8) CHLOROETHANE	1.570	64	21951	9.91	UG/L	99
9) FLUORODICHLOROMETHANE	1.693	67	55866	10.80	UG/L	98
10) TRICHLOROFLUOROMETHANE	1.737	101	42218	10.73	UG/L	97
11) ETHANOL	1.857	45	7306	114.53	UG/L	# 84
12) DI ETHYL ETHER	1.932	59	27085	11.85	UG/L	93
13) ACROLEIN	2.024	56	76016	135.06	UG/L	92
14) ACETONE	2.139	43	112241	100.17	UG/L	# 89
15) 1,1-DICHLOROETHENE	2.097	61	43691	10.92	UG/L	97
16) 1,1,2-TRICL-1,2,2-TRIF...	2.097	101	26327	11.33	UG/L	87
17) IODOMETHANE	2.211	142	369509	110.79	UG/L	99
20) METHYL ACETATE	2.398	43	55608	12.75	UG/L	# 91
21) T-BUTYL ALCOHOL	2.596	59	39233	88.76	UG/L	# 89
22) ACRYLONITRILE	2.702	53	14889	10.71	UG/L	99
23) METHYLENE CHLORIDE	2.476	49	40268	10.18	UG/L	90
24) CARBON DISULFIDE	2.267	76	873399	113.51	UG/L	99
25) METHYL TERT-BUTYL ETHE...	2.741	73	93425	10.75	UG/L	96
26) TRANS 1,2-DICHLOROETHENE	2.722	61	39188	10.31	UG/L	99
27) 1,1-DICHLOROETHANE	3.143	63	55065	11.36	UG/L	97
28) VINYL ACETATE	3.212	43	741591	91.82	UG/L	96
29) DI ISOPROYL ETHER	3.235	45	106303	11.08	UG/L	91
31) 2-BUTANONE	3.781	43	175458	108.25	UG/L	# 91
32) T-BUTYL ETHYL ETHER	3.617	59	90688	10.65	UG/L	98
33) CIS-1,2-DICHLOROETHENE	3.739	61	47238	11.18	UG/L	97
34) 2,2-DICHLOROPROPANE	3.734	77	38877	10.38	UG/L	92
35) ETHYL ACETATE	3.851	43	35606	8.89	UG/L	# 94
38) BROMOCHLOROMETHANE	3.974	49	27852	11.93	UG/L	92
39) TETRAHYDROFURAN	4.055	42	11824	10.24	UG/L	# 79
40) CHLOROFORM	4.066	83	53730	11.50	UG/L	98
41) 1,1,1-TRICHLOROETHANE	4.241	97	43185	11.10	UG/L	95
42) CYCLOHEXANE	4.289	56	50098	11.50	UG/L	92
43) CARBON TETRACHLORIDE	4.400	117	20620	6.34	UG/L	100
44) 1,1-DICHLOROPROPENE	4.406	75	39519	11.73	UG/L	96
45) BENZENE	4.610	78	126114	12.29	UG/L	99
48) T-AMYL METHYL ETHER	4.757	73	79309	9.82	UG/L	97
51) 1,2-DICHLOROETHANE	4.635	62	43207	11.06	UG/L	100
52) TRICHLOROETHENE	5.254	95	29080	11.49	UG/L	97
53) METHYLCYCLOHEXANE	5.432	83	39719	13.14	UG/L	92
54) 1,2-DICHLOROPROPANE	5.471	63	33520	11.97	UG/L	100

Data Path : C:\msdchem\1\data\C090424\
 Data File : C24V24803.D
 Acq On : 4 Sep 2024 8:51 am
 Operator :
 Sample : 8260 STD 10PPB 24H0680
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Inst : GCMSVOA3

Quant Time: Sep 04 10:39:22 2024
 Quant Method : C:\msdchem\1\methods\C080822.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Wed Jan 10 12:13:53 2024
 Response via : Initial Calibration

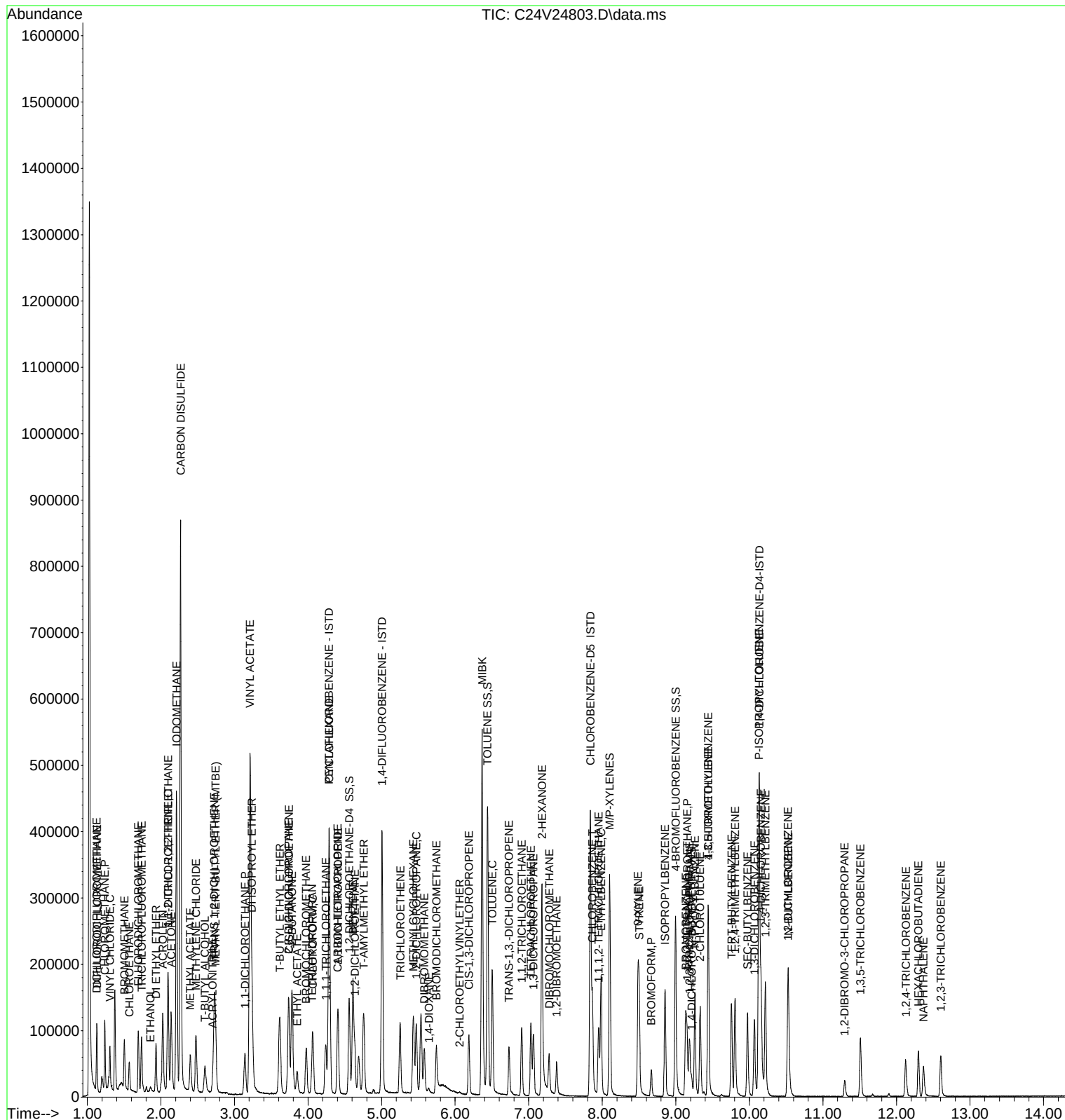
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
56) DIBROMOMETHANE	5.580	93	20561	11.27	UG/L	96
58) 1,4-DIOXANE	5.641	88	4536	104.90	UG/L #	75
59) BROMODICHLOROMETHANE	5.745	83	36003	10.00	UG/L	95
60) 2-CHLOROETHYL VINYLETHYL	6.060	63	781	0.52	UG/L #	11
61) MIBK	6.366	43	317011	84.35	UG/L	98
62) CIS-1,3-DICHLOROPROPENE	6.188	75	40552	9.37	UG/L	99
63) TOLUENE	6.506	91	115415	10.57	UG/L	97
64) TRANS-1,3-DICHLOROPRO...	6.732	75	32331	8.67	UG/L	98
66) 1,1,2-TRICHLOROETHANE	6.905	97	27395	10.72	UG/L	97
67) 2-HEXANONE	7.181	43	207989	80.04	UG/L	99
68) TETRACHLOROETHENE	7.030	166	28117	10.96	UG/L	99
69) 1,3-DICHLOROPROPANE	7.064	76	45465	10.00	UG/L	98
70) DIBROMOCHLOROMETHANE	7.278	129	25073	8.16	UG/L	97
71) 1,2-DIBROMOETHANE	7.379	107	27649	10.11	UG/L	99
74) CHLOROBENZENE	7.864	112	69624	11.69	UG/L	97
75) 1,1,1,2-TETRACHLOROETHANE	7.950	131	23814	10.78	UG/L	97
76) ETHYLBENZENE	7.984	91	108061	11.22	UG/L	96
77) M/P-XYLENES	8.101	91	163702	21.77	UG/L	98
78) O-XYLENE	8.486	91	81160	10.25	UG/L	97
79) STYRENE	8.502	104	64156	10.09	UG/L	99
80) BROMOFORM	8.664	173	16171	8.18	UG/L #	97
81) ISOPROPYLBENZENE	8.854	105	91393	10.10	UG/L	97
83) 1,1,2,2-TETRACHLOROETHANE	9.152	83	39218	11.31	UG/L	95
84) 1,4-DICHLORO-2-BUTENE(...	9.214	53	5498	6.07	UG/L #	82
85) BROMOBENZENE	9.133	77	42208	10.69	UG/L	98
86) 1,2,3-TRICHLOROPROPANE	9.186	75	31046m	10.92	UG/L	
87) N-PROPYLBENZENE	9.261	91	100659	9.95	UG/L	99
88) 2-CHLOROTOLUENE	9.331	91	69287	10.50	UG/L	98
89) 1,3,5-TRIMETHYLBENZENE	9.439	105	77041	10.38	UG/L	98
90) 4-CHLOROTOLUENE	9.439	91	77012	10.27	UG/L	98
92) TERT-BUTYLBENZENE	9.757	119	59478	10.14	UG/L	97
93) 1,2,4-TRIMETHYLBENZENE	9.805	105	77011	10.68	UG/L	95
94) SEC-BUTYLBENZENE	9.972	105	78591	10.04	UG/L	99
95) 1,3-DICHLOROBENZENE	10.067	146	49998	11.48	UG/L	99
96) P-ISOPROPYLTOLUENE	10.128	119	70076	10.42	UG/L	98
97) 1,4-DICHLOROBENZENE	10.156	146	50245	10.83	UG/L	99
98) 1,2,3-TRIMETHYLBENZENE	10.217	105	87152	10.91	UG/L #	100
99) N-BUTYLBENZENE	10.533	91	53431	9.45	UG/L	96
100) 1,2-DICHLOROBENZENE	10.521	146	51026	11.52	UG/L	99
101) 1,2-DIBROMO-3-CHLOROPR...	11.294	75	5733	9.52	UG/L	91
102) 1,3,5-TRICHLOROBENZENE	11.509	180	30440	11.25	UG/L	99
103) 1,2,4-TRICHLOROBENZENE	12.128	180	19489	7.86	UG/L	99
104) HEXACHLOROBUTADIENE	12.298	225	14328	13.76	UG/L	94
105) NAPHTHALENE	12.368	128	39532	5.32	UG/L	99
106) 1,2,3-TRICHLOROBENZENE	12.602	180	21202	8.75	UG/L	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

242

Inst : GCMSV0A3

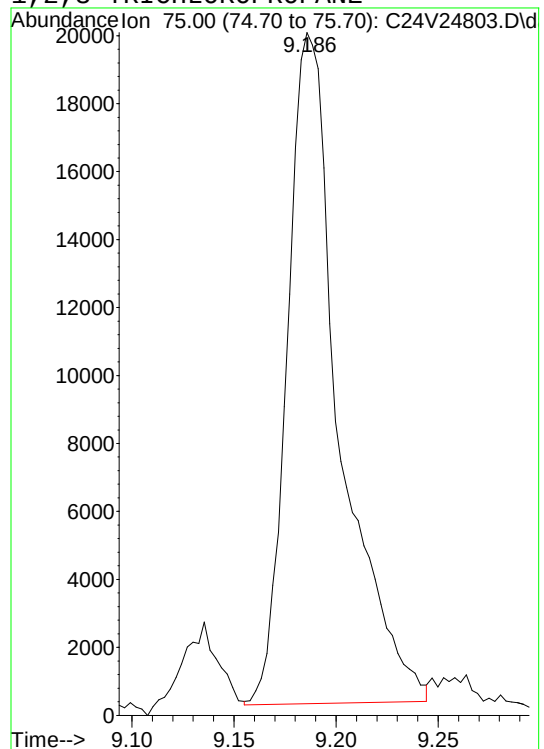
Quant Time: Sep 04 10:39:22 2024
Quant Method : C:\msdchem\1\methods\C080822.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
QLast Update : Wed Jan 10 12:13:53 2024
Response via : Initial Calibration



Data Path : C:\msdchem\1\data\C090424\
Data File : C24V24803.D
Acq On : 4 Sep 2024 8:51 am
Operator :
Sample : 8260 STD 10PPB 24H0680
Misc :

Quant Time : Wed Sep 04 10:39:22 2024
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Wed Jan 10 12:13:53 2024

Original Integration
1,2,3-TRICHLOROPROPANE



Original Int. Results

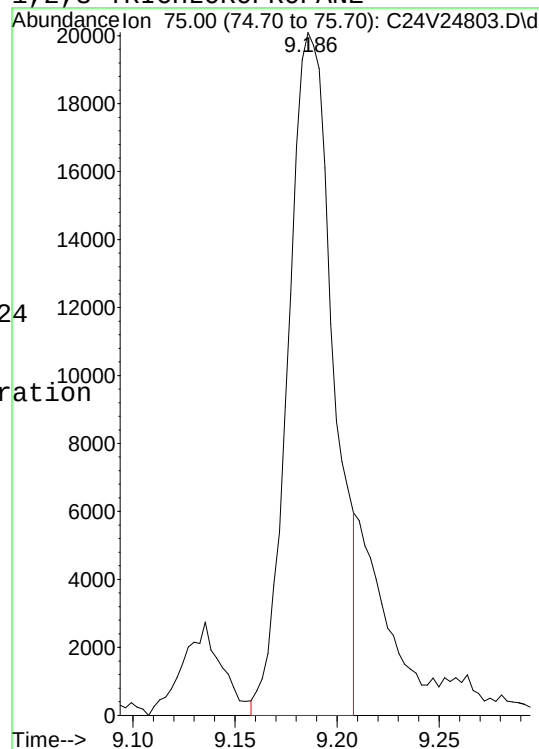
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Amount: 12.3426

Manual Int. Results

Wed Sep 04 10:39:22 2024

MIuser: MFF
Reason: Incoret Integration
RT : 9.19
Area : 31046
Amount: 10.9164

Manual Integration
1,2,3-TRICHLOROPROPANE



8 - FORM VIII

INTERNAL STANDARD AREA AND RT SUMMARY

SW-846 8260D

Laboratory:	Pace New England	Work Order:	24H4216
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	North Lawrence Oil Dump - CO 152166
Sequence:	S109958	Instrument:	GCMSVOA3
		Calibration:	2200537

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (S109958-CCV1)			<i>Lab File ID: C24V24803.D</i>			<i>Analyzed: 09/04/24 08:51</i>			
Pentafluorobenzene	184602	4.286				50 - 200		+/-0.50	
1,4-Difluorobenzene	274175	5.006				50 - 200		+/-0.50	
Chlorobenzene-d5	113354	7.839				50 - 200		+/-0.50	
1,4-Dichlorobenzene-d4	109508	10.134				50 - 200		+/-0.50	
LCS (B384838-BS1)			<i>Lab File ID: C24V24804.D</i>			<i>Analyzed: 09/04/24 09:18</i>			
Pentafluorobenzene	183781	4.286	184602	4.286	100	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene	273604	5.005	274175	5.006	100	50 - 200	-0.0010	+/-0.50	
Chlorobenzene-d5	116188	7.839	113354	7.839	103	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	108735	10.137	109508	10.134	99	50 - 200	0.0030	+/-0.50	
LCS Dup (B384838-BSD1)			<i>Lab File ID: C24V24805.D</i>			<i>Analyzed: 09/04/24 09:45</i>			
Pentafluorobenzene	178746	4.286	184602	4.286	97	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene	234855	5.008	274175	5.006	86	50 - 200	0.0020	+/-0.50	
Chlorobenzene-d5	110521	7.839	113354	7.839	98	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	107868	10.134	109508	10.134	99	50 - 200	0.0000	+/-0.50	
Blank (B384838-BLK1)			<i>Lab File ID: C24V24808.D</i>			<i>Analyzed: 09/04/24 11:05</i>			
Pentafluorobenzene	175909	4.289	184602	4.286	95	50 - 200	0.0030	+/-0.50	
1,4-Difluorobenzene	260145	5.011	274175	5.006	95	50 - 200	0.0050	+/-0.50	
Chlorobenzene-d5	102458	7.841	113354	7.839	90	50 - 200	0.0020	+/-0.50	
1,4-Dichlorobenzene-d4	80670	10.142	109508	10.134	74	50 - 200	0.0080	+/-0.50	
645013-TB (24H4216-07)			<i>Lab File ID: C24V24809.D</i>			<i>Analyzed: 09/04/24 11:32</i>			
Pentafluorobenzene	170003	4.289	184602	4.286	92	50 - 200	0.0030	+/-0.50	
1,4-Difluorobenzene	253951	5.008	274175	5.006	93	50 - 200	0.0020	+/-0.50	
Chlorobenzene-d5	102402	7.839	113354	7.839	90	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	79255	10.142	109508	10.134	72	50 - 200	0.0080	+/-0.50	
645013-MW-301-20240828 (24H4216-01)			<i>Lab File ID: C24V24811.D</i>			<i>Analyzed: 09/04/24 12:25</i>			
Pentafluorobenzene	176941	4.289	184602	4.286	96	50 - 200	0.0030	+/-0.50	
1,4-Difluorobenzene	230025	5.011	274175	5.006	84	50 - 200	0.0050	+/-0.50	
Chlorobenzene-d5	98601	7.842	113354	7.839	87	50 - 200	0.0030	+/-0.50	
1,4-Dichlorobenzene-d4	72627	10.142	109508	10.134	66	50 - 200	0.0080	+/-0.50	

8 - FORM VIII

245

INTERNAL STANDARD AREA AND RT SUMMARY

SW-846 8260D

Laboratory:	Pace New England	Work Order:	24H4216
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	North Lawrence Oil Dump - CO 152166
Sequence:	S109958	Instrument:	GCMSVOA3
		Calibration:	2200537

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
645013-MW-302-20240828 (24H4216-02)			<i>Lab File ID: C24V24812.D</i>		<i>Analyzed: 09/04/24 12:52</i>				
Pentafluorobenzene	171766	4.292	184602	4.286	93	50 - 200	0.0060	+/-0.50	
1,4-Difluorobenzene	224769	5.008	274175	5.006	82	50 - 200	0.0020	+/-0.50	
Chlorobenzene-d5	99491	7.841	113354	7.839	88	50 - 200	0.0020	+/-0.50	
1,4-Dichlorobenzene-d4	75295	10.139	109508	10.134	69	50 - 200	0.0050	+/-0.50	
645013-MW-303-20240828 (24H4216-03)			<i>Lab File ID: C24V24813.D</i>		<i>Analyzed: 09/04/24 13:19</i>				
Pentafluorobenzene	175823	4.289	184602	4.286	95	50 - 200	0.0030	+/-0.50	
1,4-Difluorobenzene	261396	5.008	274175	5.006	95	50 - 200	0.0020	+/-0.50	
Chlorobenzene-d5	100669	7.841	113354	7.839	89	50 - 200	0.0020	+/-0.50	
1,4-Dichlorobenzene-d4	74522	10.142	109508	10.134	68	50 - 200	0.0080	+/-0.50	
645013-MW-102A-20240828 (24H4216-04)			<i>Lab File ID: C24V24814.D</i>		<i>Analyzed: 09/04/24 13:45</i>				
Pentafluorobenzene	174392	4.289	184602	4.286	94	50 - 200	0.0030	+/-0.50	
1,4-Difluorobenzene	258765	5.008	274175	5.006	94	50 - 200	0.0020	+/-0.50	
Chlorobenzene-d5	100647	7.842	113354	7.839	89	50 - 200	0.0030	+/-0.50	
1,4-Dichlorobenzene-d4	76385	10.139	109508	10.134	70	50 - 200	0.0050	+/-0.50	
645013-MW-102B-20240828 (24H4216-05)			<i>Lab File ID: C24V24815.D</i>		<i>Analyzed: 09/04/24 14:12</i>				
Pentafluorobenzene	170674	4.289	184602	4.286	92	50 - 200	0.0030	+/-0.50	
1,4-Difluorobenzene	236318	5.008	274175	5.006	86	50 - 200	0.0020	+/-0.50	
Chlorobenzene-d5	95490	7.842	113354	7.839	84	50 - 200	0.0030	+/-0.50	
1,4-Dichlorobenzene-d4	74221	10.139	109508	10.134	68	50 - 200	0.0050	+/-0.50	
645013-FD-01-20240828 (24H4216-06)			<i>Lab File ID: C24V24816.D</i>		<i>Analyzed: 09/04/24 14:39</i>				
Pentafluorobenzene	176329	4.289	184602	4.286	96	50 - 200	0.0030	+/-0.50	
1,4-Difluorobenzene	265835	5.008	274175	5.006	97	50 - 200	0.0020	+/-0.50	
Chlorobenzene-d5	102093	7.839	113354	7.839	90	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	75288	10.139	109508	10.134	69	50 - 200	0.0050	+/-0.50	
Matrix Spike (B384838-MS1)			<i>Lab File ID: C24V24825.D</i>		<i>Analyzed: 09/04/24 18:39</i>				
Pentafluorobenzene	172326	4.289	184602	4.286	93	50 - 200	0.0030	+/-0.50	
1,4-Difluorobenzene	256088	5.008	274175	5.006	93	50 - 200	0.0020	+/-0.50	
Chlorobenzene-d5	107277	7.839	113354	7.839	95	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	97163	10.137	109508	10.134	89	50 - 200	0.0030	+/-0.50	

8 - FORM VIII

INTERNAL STANDARD AREA AND RT SUMMARY

SW-846 8260D

Laboratory:	Pace New England	Work Order:	24H4216
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	North Lawrence Oil Dump - CO 152166
Sequence:	S109958	Instrument:	GCMSVOA3
		Calibration:	2200537

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Matrix Spike Dup (B384838-MSD1)			<i>Lab File ID: C24V24826.D</i>			<i>Analyzed: 09/04/24 19:05</i>			
Pentafluorobenzene	166307	4.289	184602	4.286	90	50 - 200	0.0030	+/-0.50	
1,4-Difluorobenzene	228369	5.005	274175	5.006	83	50 - 200	-0.0010	+/-0.50	
Chlorobenzene-d5	105437	7.838	113354	7.839	93	50 - 200	-0.0010	+/-0.50	
1,4-Dichlorobenzene-d4	95649	10.134	109508	10.134	87	50 - 200	0.0000	+/-0.50	

QC DATA

1 - FORM I

ANALYSIS DATA SHEET

Blank

Laboratory:	Pace New England	Work Order:	24H4216
Client:	NYDEC_EA Engineering, Science & Tech. - N	Project:	North Lawrence Oil Dump - CO 152166
Matrix:	Water	Laboratory ID:	B384838-BLK1
		File ID:	C24V24808.D
Sampled:		Prepared:	09/03/24 13:25
		Analyzed:	09/04/24 11:05
Solids:		Preparation:	SW-846 5030B
		Dilution:	
Initial/Final:	5 mL / 5 mL		
Batch:	B384838	Sequence:	S109958
		Calibration:	2200537
		Instrument:	GCMSVOA3
Column:	1		

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone		2.0	50	
71-43-2	Benzene		0.14	1.0	
74-97-5	Bromochloromethane		0.32	1.0	
75-27-4	Bromodichloromethane		0.19	0.50	
75-25-2	Bromoform		0.30	1.0	
74-83-9	Bromomethane		1.5	2.0	
78-93-3	2-Butanone (MEK)		1.4	20	
104-51-8	n-Butylbenzene		0.16	1.0	
135-98-8	sec-Butylbenzene		0.16	1.0	
98-06-6	tert-Butylbenzene		0.17	1.0	
75-15-0	Carbon Disulfide		1.5	5.0	
56-23-5	Carbon Tetrachloride		0.19	5.0	L-04, V-05
108-90-7	Chlorobenzene		0.18	1.0	
124-48-1	Chlorodibromomethane		0.13	0.50	
75-00-3	Chloroethane		0.46	2.0	
67-66-3	Chloroform		0.19	2.0	
74-87-3	Chloromethane		0.50	2.0	
110-82-7	Cyclohexane		1.8	5.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.63	5.0	
106-93-4	1,2-Dibromoethane (EDB)		0.13	0.50	
95-50-1	1,2-Dichlorobenzene		0.17	1.0	
541-73-1	1,3-Dichlorobenzene		0.15	1.0	
106-46-7	1,4-Dichlorobenzene		0.17	1.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.20	2.0	
75-34-3	1,1-Dichloroethane		0.15	1.0	
107-06-2	1,2-Dichloroethane		0.13	1.0	
75-35-4	1,1-Dichloroethylene		0.18	1.0	
156-59-2	cis-1,2-Dichloroethylene		0.20	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.16	1.0	

1 - FORM I

ANALYSIS DATA SHEET

Blank

Laboratory:	Pace New England	Work Order:	24H4216
Client:	NYDEC_EA Engineering, Science & Tech. - N	Project:	North Lawrence Oil Dump - CO 152166
Matrix:	Water	Laboratory ID:	B384838-BLK1
		File ID:	C24V24808.D
Sampled:		Prepared:	09/03/24 13:25
		Analyzed:	09/04/24 11:05
Solids:		Preparation:	SW-846 5030B
Initial/Final:	5 mL / 5 mL	Dilution:	
Batch:	B384838	Sequence:	S109958
		Calibration:	2200537
		Instrument:	GCMSVOA3
Column:	1		

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
78-87-5	1,2-Dichloropropane		0.17	1.0	
10061-01-5	cis-1,3-Dichloropropene		0.13	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.14	0.50	
100-41-4	Ethylbenzene		0.14	1.0	
591-78-6	2-Hexanone (MBK)		1.3	10	
98-82-8	Isopropylbenzene (Cumene)		0.16	1.0	
99-87-6	p-Isopropyltoluene (p-Cymene)		0.16	1.0	
79-20-9	Methyl Acetate		0.48	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.17	1.0	
108-87-2	Methyl Cyclohexane		0.13	1.0	
75-09-2	Methylene Chloride		0.19	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.4	10	
91-20-3	Naphthalene		0.25	2.0	V-05
103-65-1	n-Propylbenzene		0.11	1.0	
100-42-5	Styrene		0.13	1.0	
79-34-5	1,1,2,2-Tetrachloroethane		0.10	0.50	
127-18-4	Tetrachloroethylene		0.17	1.0	
108-88-3	Toluene		0.11	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.22	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.19	1.0	V-05
71-55-6	1,1,1-Trichloroethane		0.14	1.0	
79-00-5	1,1,2-Trichloroethane		0.18	1.0	
79-01-6	Trichloroethylene		0.17	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.14	2.0	
96-18-4	1,2,3-Trichloropropane		0.27	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)		0.16	1.0	
95-63-6	1,2,4-Trimethylbenzene		0.16	1.0	
108-67-8	1,3,5-Trimethylbenzene		0.17	1.0	
75-01-4	Vinyl Chloride		0.19	2.0	

1 - FORM I

ANALYSIS DATA SHEET

Blank

Laboratory: Pace New England Work Order: 24H4216
Client: NYDEC_EA Engineering, Science & Tech. - N' Project: North Lawrence Oil Dump - CO 152166
Matrix: Water Laboratory ID: B384838-BLK1 File ID: C24V24808.D
Sampled: Prepared: 09/03/24 13:25 Analyzed: 09/04/24 11:05
Solids: Preparation: SW-846 5030B Dilution:
Initial/Final: 5 mL / 5 mL
Batch: B384838 Sequence: S109958 Calibration: 2200537 Instrument: GCMSVOA3
Column: 1

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
179601-23-1	m+p Xylene		0.25	2.0	
95-47-6	o-Xylene		0.16	1.0	
1330-20-7	Xylenes (total)		1.0	1.0	

Data Path : C:\msdchem\1\data\C090424\
 Data File : C24V24808.D
 Acq On : 4 Sep 2024 11:05 am
 Operator :
 Sample : B0BLK1
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Inst : GCMSVOA3

Quant Time: Sep 04 12:53:22 2024
 Quant Method : C:\msdchem\1\methods\C080822.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Wed Jan 10 12:13:53 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) PENTAFLUOROBENZENE - ISTD	4.289	168	175909	30.00	UG/L	0.00
49) 1,4-DIFLUOROBENZENE - ...	5.011	114	260145	30.00	UG/L	0.00
72) CHLOROBENZENE-D5 ISTD	7.841	82	102458	30.00	UG/L	0.00
91) 1,4-DICHLOROBENZENE-D4...	10.142	152	80670	30.00	UG/L	# 0.00
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4 SS	4.562	65	81149	24.58	UG/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	98.32%		
50) TOLUENE SS	6.444	98	215098	20.88	UG/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	83.52%		
73) 4-BROMOFLUOROBENZENE SS	8.999	95	63830	21.01	UG/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	84.04%		

Target Compounds	Qvalue
-----	-----

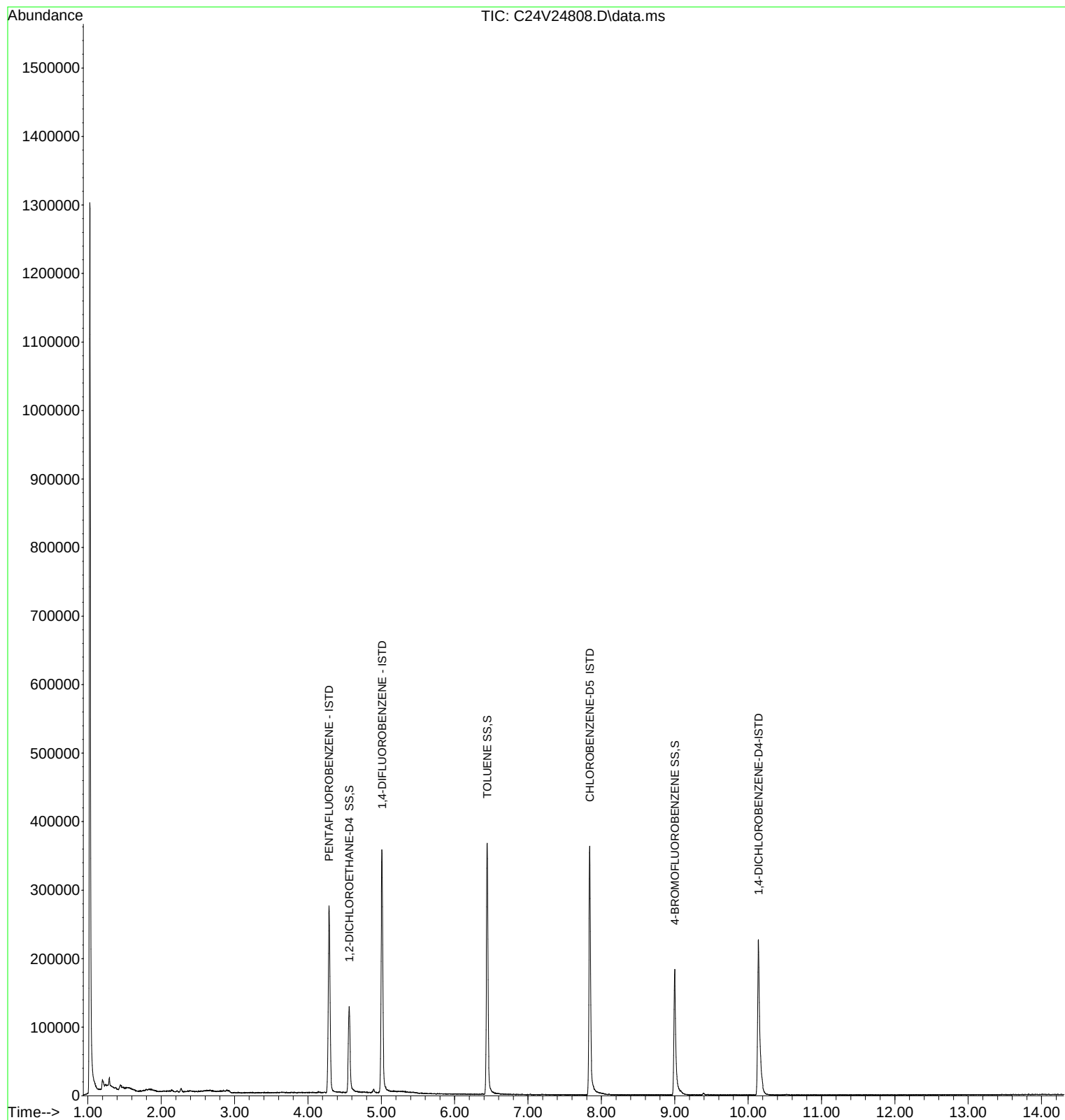
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\data\C090424\
Data File : C24V24808.D
Acq On : 4 Sep 2024 11:05 am
Operator :
Sample : B0BLK1
Misc :
ALS Vial : 8 Sample Multiplier: 1

252

Inst : GCMSVOA3

Quant Time: Sep 04 12:53:22 2024
Quant Method : C:\msdchem\1\methods\C080822.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
QLast Update : Wed Jan 10 12:13:53 2024
Response via : Initial Calibration

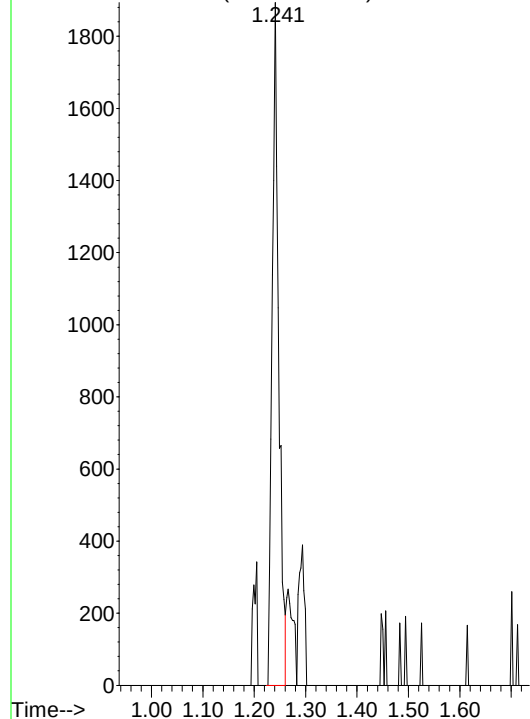


Data Path : C:\msdchem\1\data\C090424\
Data File : C24V24808.D
Acq On : 4 Sep 2024 11:05 am
Operator :
Sample : B0BLK1
Misc :

Quant Time : Wed Sep 04 12:53:22 2024
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Wed Jan 10 12:13:53 2024

Original Integration
CHLOROMETHANE

Abundance on 50.00 (49.70 to 50.70): C24V24808.Did



Original Int. Results

RT : 1.24
Area : 1668
Amount: 0.400915

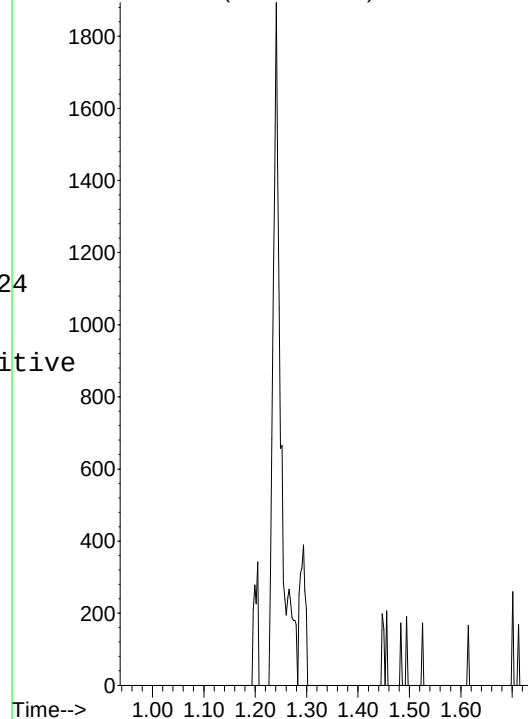
Manual Int. Results

Wed Sep 04 12:51:56 2024

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

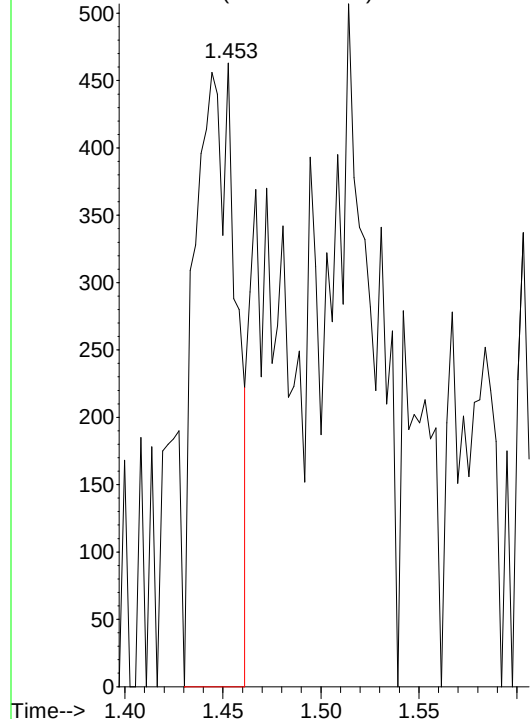
Manual Integration
CHLOROMETHANE

Abundance on 50.00 (49.70 to 50.70): C24V24808.Did



Original Integration
BROMOMETHANE

Abundance on 94.00 (93.70 to 94.70): C24V24808.Did



Original Int. Results

RT : 1.45
Area : 658
Amount: 0.364389

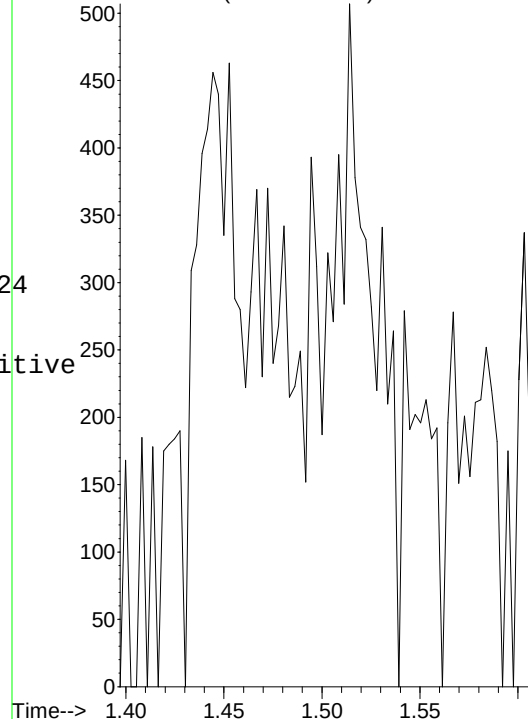
Manual Int. Results

Wed Sep 04 12:52:45 2024

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
BROMOMETHANE

Abundance on 94.00 (93.70 to 94.70): C24V24808.Did

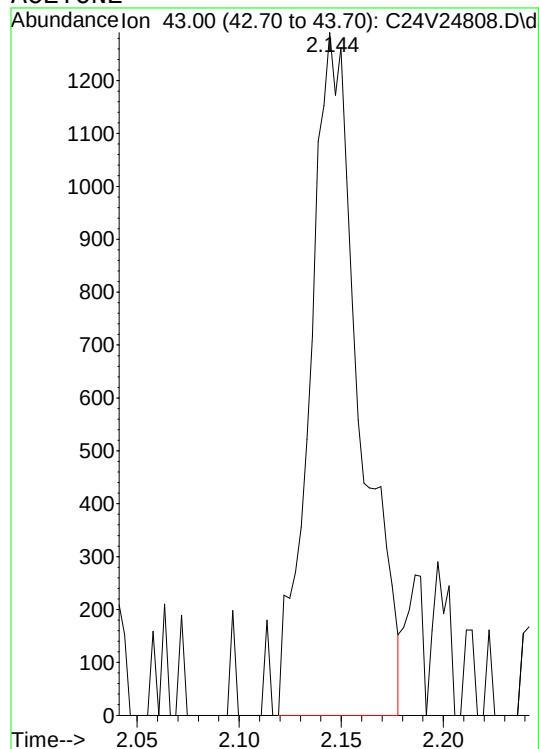


Data Path : C:\msdchem\1\data\C090424\
Data File : C24V24808.D
Acq On : 4 Sep 2024 11:05 am
Operator :
Sample : B0BLK1
Misc :

Quant Time : Wed Sep 04 12:53:22 2024
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Wed Jan 10 12:13:53 2024

Original Integration

ACETONE



Original Int. Results

RT : 2.14
Area : 2187
Amount: 2.04828

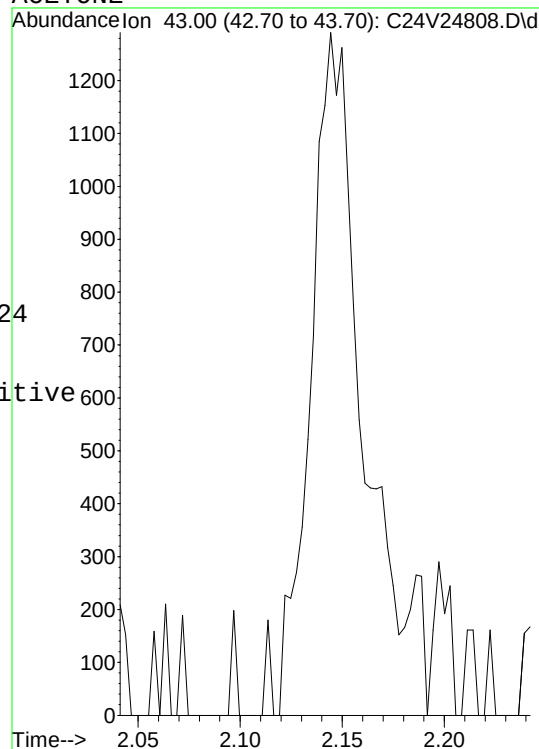
Manual Int. Results

Wed Sep 04 12:52:49 2024

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

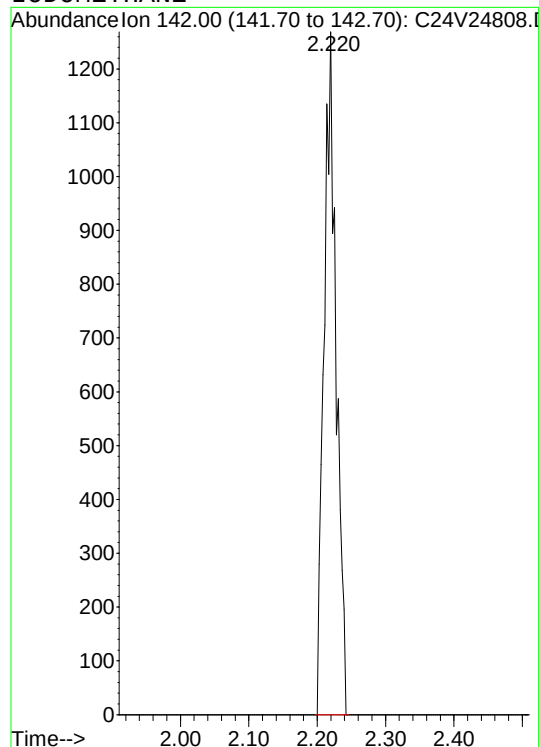
Manual Integration

ACETONE



Original Integration

IODOMETHANE



Original Int. Results

RT : 2.22
Area : 1555
Amount: 0.489282

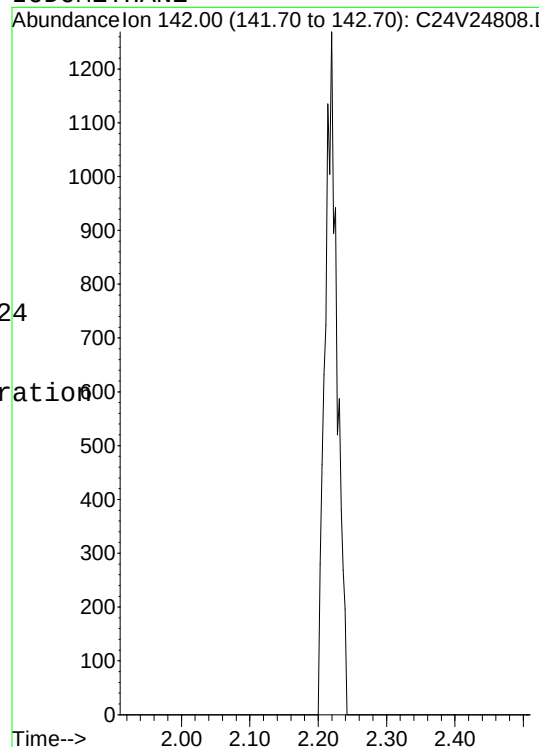
Manual Int. Results

Wed Sep 04 12:52:52 2024

MIuser: MFF
Reason: Incoret Integration
RT : 0.00
Area : 0
Amount: 0

Manual Integration

IODOMETHANE

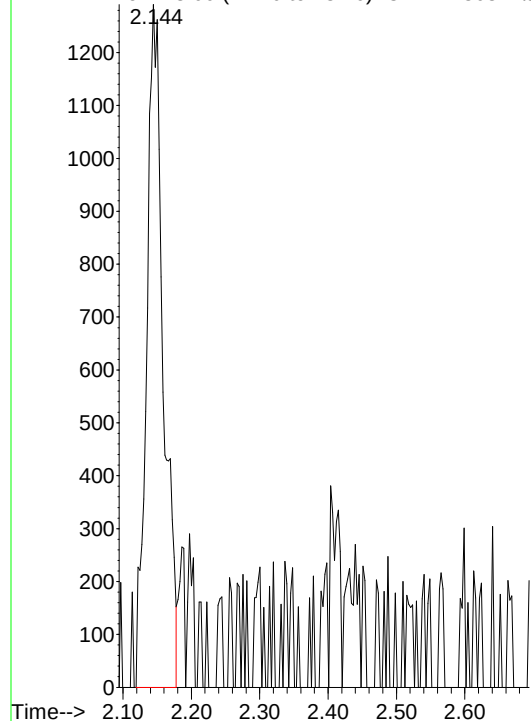


Data Path : C:\msdchem\1\data\C090424\
Data File : C24V24808.D
Acq On : 4 Sep 2024 11:05 am
Operator :
Sample : B0BLK1
Misc :

Quant Time : Wed Sep 04 12:53:22 2024
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Wed Jan 10 12:13:53 2024

Original Integration
METHYL ACETATE

Abundance Ion 43.00 (42.70 to 43.70): C24V24808.D



Original Int. Results

RT : 2.14
Area : 2187
Amount: 0.526163

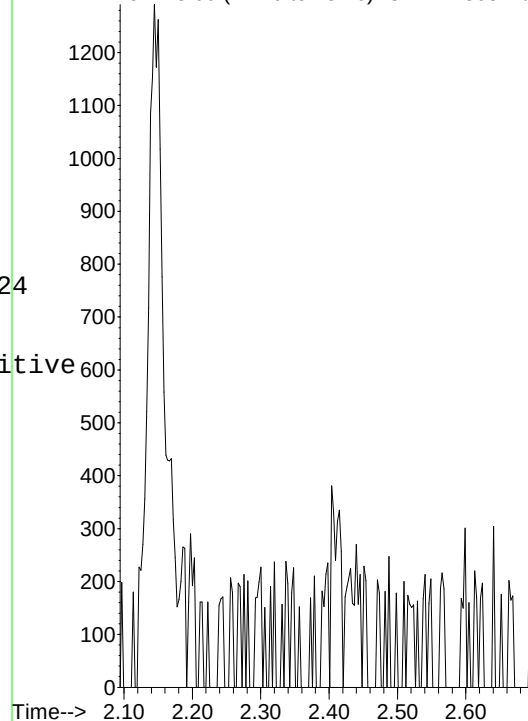
Manual Int. Results

Wed Sep 04 12:52:56 2024

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

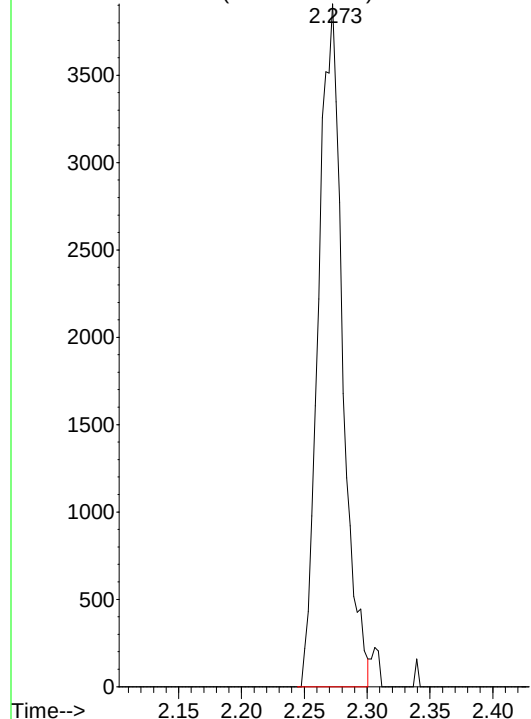
Manual Integration
METHYL ACETATE

Abundance Ion 43.00 (42.70 to 43.70): C24V24808.D



Original Integration
CARBON DISULFIDE

Abundance Ion 76.00 (75.70 to 76.70): C24V24808.D



Original Int. Results

RT : 2.27
Area : 5240
Amount: 0.714639

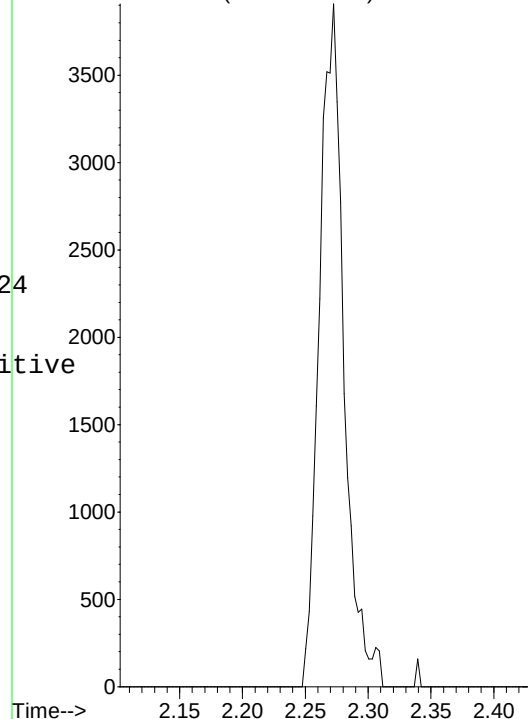
Manual Int. Results

Wed Sep 04 12:53:03 2024

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CARBON DISULFIDE

Abundance Ion 76.00 (75.70 to 76.70): C24V24808.D



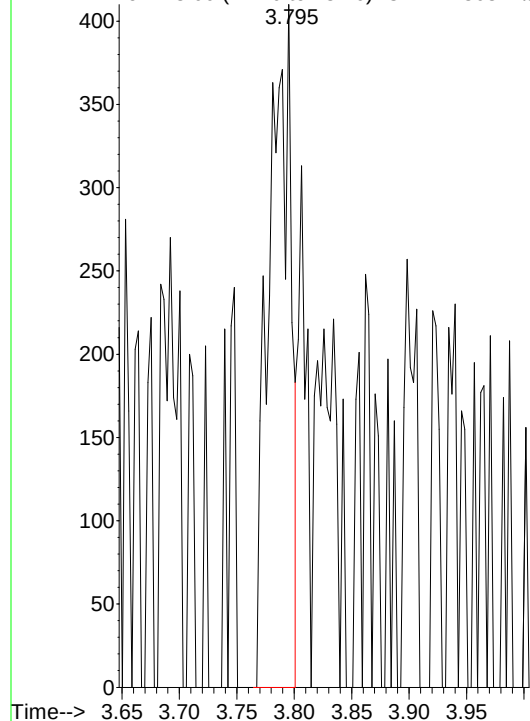
Data Path : C:\msdchem\1\data\C090424\
Data File : C24V24808.D
Acq On : 4 Sep 2024 11:05 am
Operator :
Sample : B0BLK1
Misc :

Quant Time : Wed Sep 04 12:53:22 2024
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Wed Jan 10 12:13:53 2024

Original Integration

2-BUTANONE

Abundance Ion 43.00 (42.70 to 43.70): C24V24808.D



Original Int. Results

RT : 3.80
Area : 549
Amount: 0.355446

Manual Int. Results

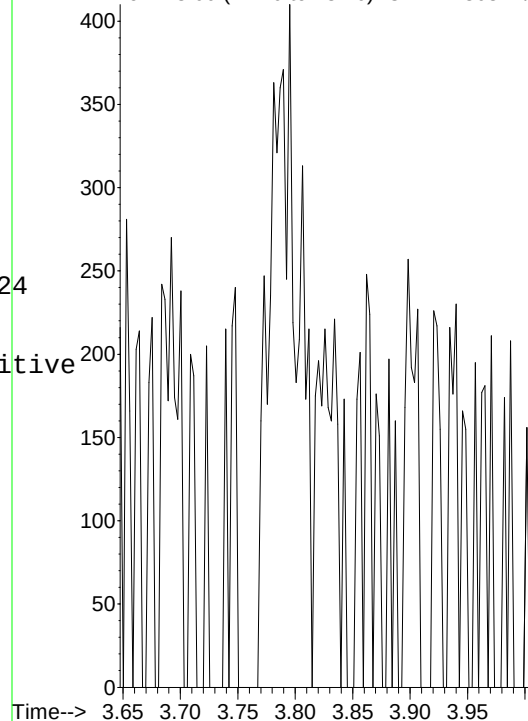
Wed Sep 04 12:53:07 2024

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration

2-BUTANONE

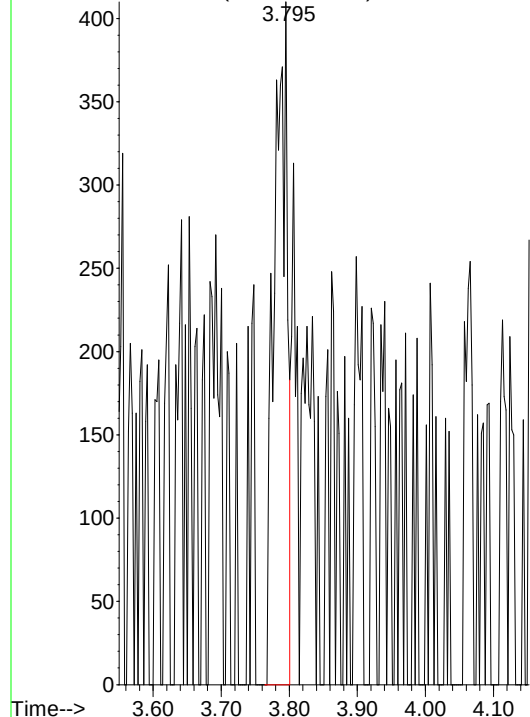
Abundance Ion 43.00 (42.70 to 43.70): C24V24808.D



Original Integration

ETHYL ACETATE

Abundance Ion 43.00 (42.70 to 43.70): C24V24808.D



Original Int. Results

RT : 3.80
Area : 549
Amount: 0.143908

Manual Int. Results

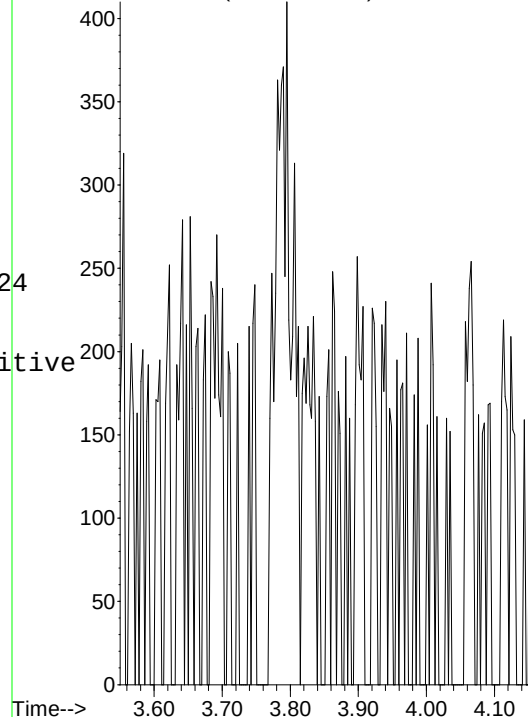
Wed Sep 04 12:53:13 2024

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration

ETHYL ACETATE

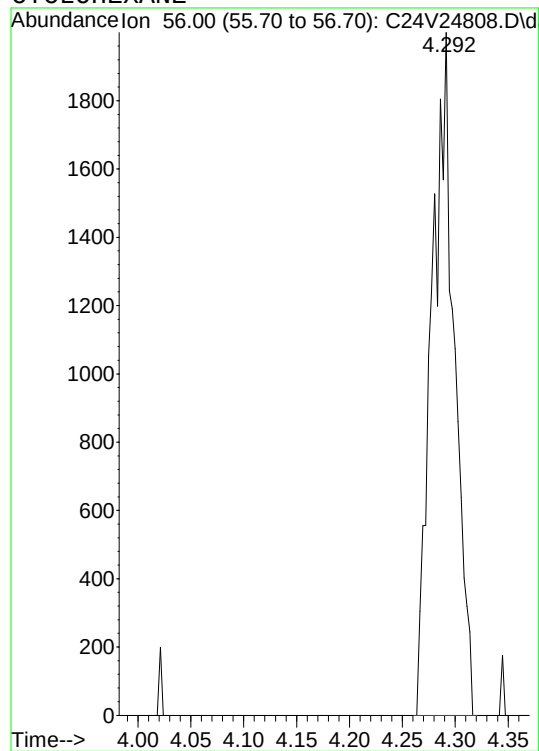
Abundance Ion 43.00 (42.70 to 43.70): C24V24808.D



Data Path : C:\msdchem\1\data\C090424\
Data File : C24V24808.D
Acq On : 4 Sep 2024 11:05 am
Operator :
Sample : B0BLK1
Misc :

Quant Time : Wed Sep 04 12:53:22 2024
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Wed Jan 10 12:13:53 2024

Original Integration
CYCLOHEXANE



Original Int. Results

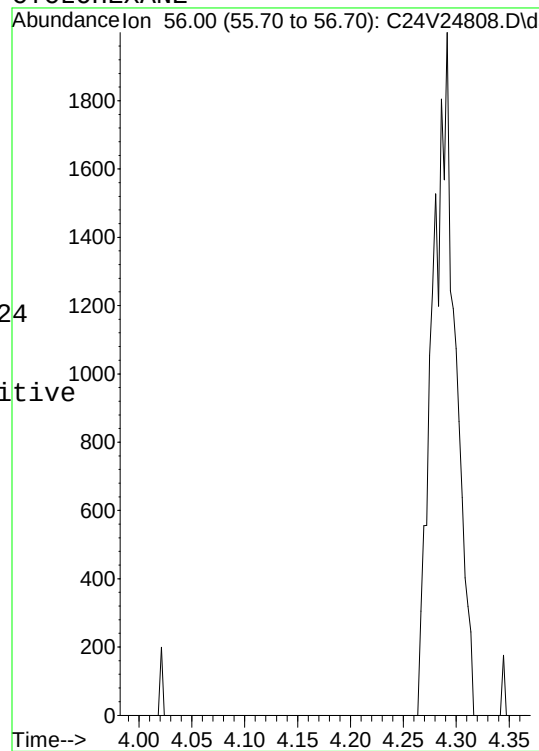
RT : 4.29
Area : 2975
Amount: 0.716604

Manual Int. Results

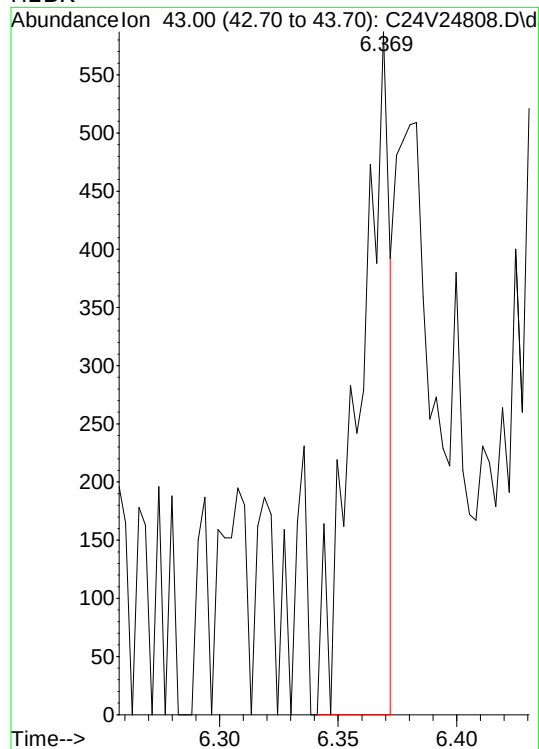
Wed Sep 04 12:53:17 2024

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CYCLOHEXANE



Original Integration
MIBK



Original Int. Results

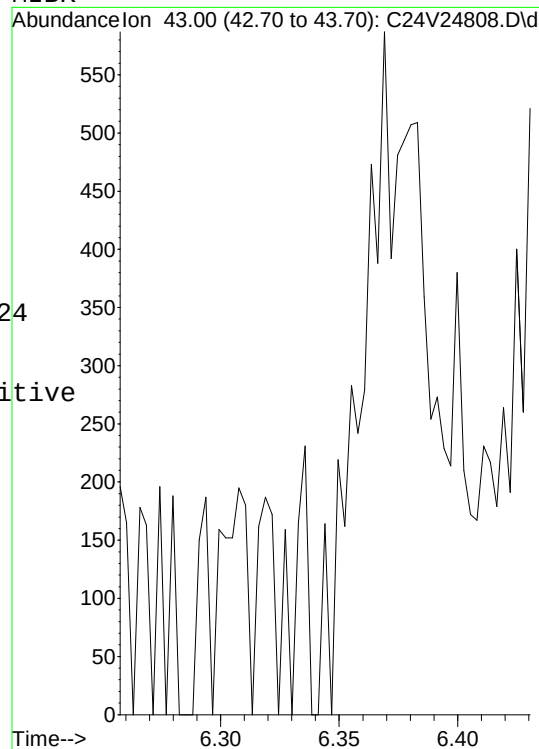
RT : 6.37
Area : 533
Amount: 0.149475

Manual Int. Results

Wed Sep 04 12:53:21 2024

MIuser: MFF
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
MIBK



1 - FORM I

ANALYSIS DATA SHEET

LCS

Laboratory:	Pace New England	Work Order:	24H4216
Client:	NYDEC_EA Engineering, Science & Tech. - N	Project:	North Lawrence Oil Dump - CO 152166
Matrix:	Water	Laboratory ID:	B384838-BS1
		File ID:	C24V24804.D
Sampled:		Prepared:	09/03/24 13:25
		Analyzed:	09/04/24 09:18
Solids:		Preparation:	SW-846 5030B
		Dilution:	
Initial/Final:	5 mL / 5 mL		
Batch:	B384838	Sequence:	S109958
		Calibration:	2200537
		Instrument:	GCMSVOA3
Column:	1		

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone	89.2	2.0	50	
71-43-2	Benzene	11.6	0.14	1.0	V-06
74-97-5	Bromochloromethane	11.5	0.32	1.0	
75-27-4	Bromodichloromethane	9.19	0.19	0.50	
75-25-2	Bromoform	7.68	0.30	1.0	
74-83-9	Bromomethane	13.1	1.5	2.0	V-20
78-93-3	2-Butanone (MEK)	95.2	1.4	20	
104-51-8	n-Butylbenzene	8.66	0.16	1.0	
135-98-8	sec-Butylbenzene	9.89	0.16	1.0	
98-06-6	tert-Butylbenzene	9.61	0.17	1.0	
75-15-0	Carbon Disulfide	105	1.5	5.0	
56-23-5	Carbon Tetrachloride	5.58	0.19	5.0	L-04, V-05
108-90-7	Chlorobenzene	11.1	0.18	1.0	
124-48-1	Chlorodibromomethane	7.87	0.13	0.50	
75-00-3	Chloroethane	9.24	0.46	2.0	
67-66-3	Chloroform	10.7	0.19	2.0	
74-87-3	Chloromethane	11.6	0.50	2.0	V-20
110-82-7	Cyclohexane	10.6	1.8	5.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	9.09	0.63	5.0	
106-93-4	1,2-Dibromoethane (EDB)	9.93	0.13	0.50	
95-50-1	1,2-Dichlorobenzene	10.9	0.17	1.0	
541-73-1	1,3-Dichlorobenzene	10.4	0.15	1.0	
106-46-7	1,4-Dichlorobenzene	10.3	0.17	1.0	
75-71-8	Dichlorodifluoromethane (Freon 12)	9.59	0.20	2.0	
75-34-3	1,1-Dichloroethane	10.5	0.15	1.0	
107-06-2	1,2-Dichloroethane	10.3	0.13	1.0	
75-35-4	1,1-Dichloroethylene	10.2	0.18	1.0	
156-59-2	cis-1,2-Dichloroethylene	9.95	0.20	1.0	
156-60-5	trans-1,2-Dichloroethylene	9.58	0.16	1.0	

1 - FORM I

ANALYSIS DATA SHEET

LCS

Laboratory:	Pace New England	Work Order:	24H4216
Client:	NYDEC_EA Engineering, Science & Tech. - N	Project:	North Lawrence Oil Dump - CO 152166
Matrix:	Water	Laboratory ID:	B384838-BS1
		File ID:	C24V24804.D
Sampled:		Prepared:	09/03/24 13:25
		Analyzed:	09/04/24 09:18
Solids:		Preparation:	SW-846 5030B
		Dilution:	
Initial/Final:	5 mL / 5 mL		
Batch:	B384838	Sequence:	S109958
		Calibration:	2200537
		Instrument:	GCMSVOA3
Column:	1		

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
78-87-5	1,2-Dichloropropane	9.91	0.17	1.0	
10061-01-5	cis-1,3-Dichloropropene	9.03	0.13	0.50	
10061-02-6	trans-1,3-Dichloropropene	8.22	0.14	0.50	
100-41-4	Ethylbenzene	10.6	0.14	1.0	
591-78-6	2-Hexanone (MBK)	68.1	1.3	10	L-07
98-82-8	Isopropylbenzene (Cumene)	9.56	0.16	1.0	
99-87-6	p-Isopropyltoluene (p-Cymene)	9.66	0.16	1.0	
79-20-9	Methyl Acetate	11.7	0.48	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)	9.79	0.17	1.0	
108-87-2	Methyl Cyclohexane	11.8	0.13	1.0	V-06
75-09-2	Methylene Chloride	9.52	0.19	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)	75.7	1.4	10	
91-20-3	Naphthalene	4.39	0.25	2.0	V-05
103-65-1	n-Propylbenzene	9.28	0.11	1.0	
100-42-5	Styrene	9.07	0.13	1.0	
79-34-5	1,1,2,2-Tetrachloroethane	10.2	0.10	0.50	
127-18-4	Tetrachloroethylene	10.4	0.17	1.0	
108-88-3	Toluene	9.93	0.11	1.0	
87-61-6	1,2,3-Trichlorobenzene	7.08	0.22	5.0	
120-82-1	1,2,4-Trichlorobenzene	6.36	0.19	1.0	L-07, V-05
71-55-6	1,1,1-Trichloroethane	10.3	0.14	1.0	
79-00-5	1,1,2-Trichloroethane	10.1	0.18	1.0	
79-01-6	Trichloroethylene	11.0	0.17	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)	9.94	0.14	2.0	
96-18-4	1,2,3-Trichloropropane	11.1	0.27	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.4	0.16	1.0	
95-63-6	1,2,4-Trimethylbenzene	10.2	0.16	1.0	
108-67-8	1,3,5-Trimethylbenzene	9.67	0.17	1.0	
75-01-4	Vinyl Chloride	9.21	0.19	2.0	

1 - FORM I
ANALYSIS DATA SHEET
LCS

Laboratory:	Pace New England			Work Order:	24H4216	
Client:	NYDEC_EA Engineering, Science & Tech. - N			Project:	North Lawrence Oil Dump - CO 152166	
Matrix:	Water	Laboratory ID:	B384838-BS1	File ID:	C24V24804.D	
Sampled:		Prepared:	09/03/24 13:25	Analyzed:	09/04/24 09:18	
Solids:		Preparation:	SW-846 5030B	Dilution:		
Initial/Final:	5 mL / 5 mL					
Batch:	B384838	Sequence:	S109958	Calibration:	2200537	Instrument: GCMSVOA3
Column:	1					

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
179601-23-1	m+p Xylene	20.7	0.25	2.0	
95-47-6	o-Xylene	9.81	0.16	1.0	
1330-20-7	Xylenes (total)	30.5	1.0	1.0	

Data Path : C:\msdchem\1\data\C090424\
 Data File : C24V24804.D
 Acq On : 4 Sep 2024 9:18 am
 Operator :
 Sample : B0BS1
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Inst : GCMSVOA3

Quant Time: Sep 04 10:42:43 2024
 Quant Method : C:\msdchem\1\methods\C080822.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Wed Jan 10 12:13:53 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) PENTAFLUOROBENZENE - ISTD	4.286	168	183781	30.00	UG/L	0.00
49) 1,4-DIFLUOROBENZENE - ...	5.005	114	273604	30.00	UG/L	0.00
72) CHLOROBENZENE-D5 ISTD	7.839	82	116188	30.00	UG/L	0.00
91) 1,4-DICHLOROBENZENE-D4...	10.137	152	108735	30.00	UG/L	# 0.00
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4 SS	4.559	65	83392	24.18	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	96.72%	
50) TOLUENE SS	6.442	98	249047	22.98	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	91.92%	
73) 4-BROMOFLUOROBENZENE SS	8.996	95	81454	23.65	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	94.60%	
Target Compounds						
					Qvalue	
3) DICHLORODIFLUOROMETHANE	1.124	85	25514	9.59	UG/L	95
4) DIFLUOROCHLOROMETHANE	1.129	51	31535	9.00	UG/L	# 100
5) CHLOROMETHANE	1.238	50	50350	11.58	UG/L	# 26
6) VINYL CHLORIDE	1.308	62	29473	9.21	UG/L	94
7) BROMOMETHANE	1.503	94	24700	13.09	UG/L	98
8) CHLOROETHANE	1.570	64	20384	9.24	UG/L	99
9) FLUORODICHLOROMETHANE	1.693	67	53405	10.37	UG/L	99
10) TRICHLOROFLUOROMETHANE	1.737	101	38936	9.94	UG/L	94
11) ETHANOL	1.857	45	6862	108.05	UG/L	# 87
12) DI ETHYL ETHER	1.932	59	24969	10.98	UG/L	94
13) ACROLEIN	2.024	56	69264	123.61	UG/L	90
14) ACETONE	2.139	43	99443	89.15	UG/L	92
15) 1,1-DICHLOROETHENE	2.097	61	40711	10.22	UG/L	98
16) 1,1,2-TRICL-1,2,2-TRIF...	2.094	101	23985	10.37	UG/L	90
17) IODOMETHANE	2.211	142	354371	106.73	UG/L	99
20) METHYL ACETATE	2.398	43	50789	11.70	UG/L	# 91
21) T-BUTYL ALCOHOL	2.593	59	33317	75.71	UG/L	# 89
22) ACRYLONITRILE	2.702	53	14126	10.21	UG/L	100
23) METHYLENE CHLORIDE	2.476	49	37506	9.52	UG/L	89
24) CARBON DISULFIDE	2.267	76	804217	104.98	UG/L	100
25) METHYL TERT-BUTYL ETHE...	2.738	73	84690	9.79	UG/L	96
26) TRANS 1,2-DICHLOROETHENE	2.724	61	36279	9.58	UG/L	100
27) 1,1-DICHLOROETHANE	3.143	63	50721	10.51	UG/L	99
28) VINYL ACETATE	3.212	43	686878	85.42	UG/L	96
29) DI ISOPROYL ETHER	3.240	45	99553	10.43	UG/L	93
31) 2-BUTANONE	3.781	43	153593	95.18	UG/L	# 92
32) T-BUTYL ETHYL ETHER	3.614	59	82171	9.70	UG/L	97
33) CIS-1,2-DICHLOROETHENE	3.737	61	41852	9.95	UG/L	98
34) 2,2-DICHLOROPROPANE	3.734	77	34186	9.17	UG/L	# 70
35) ETHYL ACETATE	3.848	43	31733	7.96	UG/L	# 93
38) BROMOCHLOROMETHANE	3.974	49	26712	11.50	UG/L	94
39) TETRAHYDROFURAN	4.055	42	10366	9.02	UG/L	# 79
40) CHLOROFORM	4.063	83	49774	10.70	UG/L	96
41) 1,1,1-TRICHLOROETHANE	4.241	97	39802	10.28	UG/L	97
42) CYCLOHEXANE	4.292	56	45865	10.57	UG/L	91
43) CARBON TETRACHLORIDE	4.400	117	18060	5.58	UG/L	100
44) 1,1-DICHLOROPROPENE	4.409	75	35958	10.72	UG/L	98
45) BENZENE	4.609	78	118070	11.56	UG/L	98
48) T-AMYL METHYL ETHER	4.754	73	73441	9.13	UG/L	96
51) 1,2-DICHLOROETHANE	4.635	62	40326	10.34	UG/L	100
52) TRICHLOROETHENE	5.251	95	27769	11.00	UG/L	94
53) METHYLCYCLOHEXANE	5.432	83	35512	11.77	UG/L	91
54) 1,2-DICHLOROPROPANE	5.474	63	27678	9.91	UG/L	98

Data Path : C:\msdchem\1\data\C090424\
 Data File : C24V24804.D
 Acq On : 4 Sep 2024 9:18 am
 Operator :
 Sample : B0BS1
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Inst : GCMSVOA3

Quant Time: Sep 04 10:42:43 2024
 Quant Method : C:\msdchem\1\methods\C080822.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Wed Jan 10 12:13:53 2024
 Response via : Initial Calibration

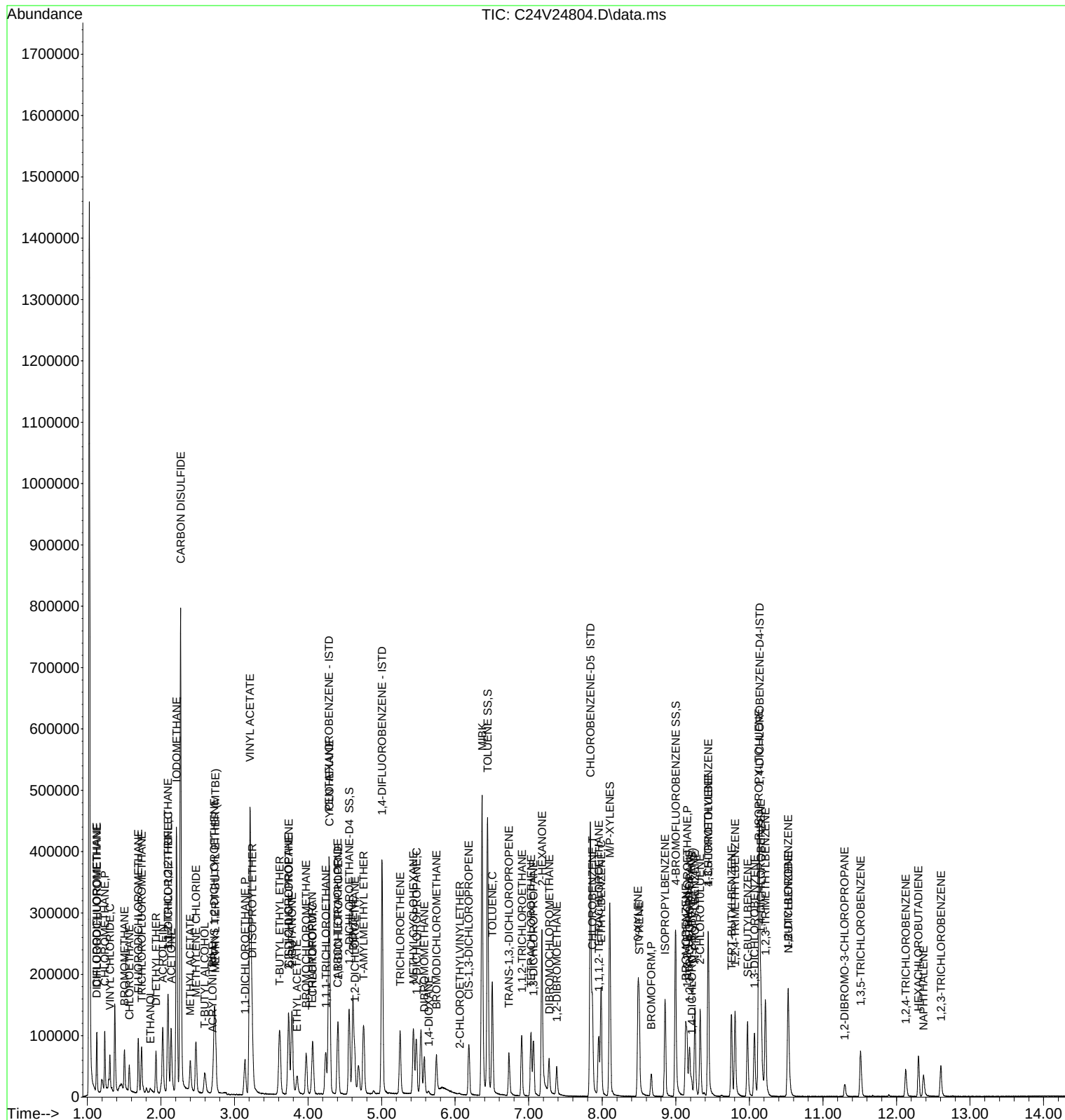
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
56) DIBROMOMETHANE	5.580	93	18526	10.17	UG/L	95
58) 1,4-DIOXANE	5.638	88	3540	82.03	UG/L #	76
59) BROMODICHLOROMETHANE	5.744	83	33023	9.19	UG/L	97
60) 2-CHLOROETHYL VINYLETHYR	6.062	63	571	0.38	UG/L #	11
61) MIBK	6.366	43	283986	75.72	UG/L	97
62) CIS-1,3-DICHLOROPROPENE	6.185	75	38975	9.03	UG/L	99
63) TOLUENE	6.506	91	108275	9.93	UG/L	97
64) TRANS-1,3-DICHLOROPRO...	6.732	75	30594	8.22	UG/L	97
66) 1,1,2-TRICHLOROETHANE	6.907	97	25867	10.14	UG/L	96
67) 2-HEXANONE	7.181	43	176512	68.06	UG/L	97
68) TETRACHLOROETHENE	7.033	166	26514	10.35	UG/L	98
69) 1,3-DICHLOROPROPANE	7.063	76	43501	9.59	UG/L	99
70) DIBROMOCHLOROMETHANE	7.278	129	24155	7.87	UG/L	95
71) 1,2-DIBROMOETHANE	7.381	107	27118	9.93	UG/L	99
74) CHLOROBENZENE	7.867	112	67805	11.11	UG/L	95
75) 1,1,1,2-TETRACHLOROETHANE	7.953	131	23089	10.20	UG/L	98
76) ETHYLBENZENE	7.984	91	104552	10.59	UG/L	97
77) M/P-XYLENES	8.104	91	159795	20.73	UG/L	98
78) O-XYLENE	8.486	91	79601	9.81	UG/L	95
79) STYRENE	8.502	104	59111	9.07	UG/L	96
80) BROMOFORM	8.664	173	15572	7.68	UG/L #	38
81) ISOPROPYLBENZENE	8.854	105	88646	9.56	UG/L	98
83) 1,1,2,2-TETRACHLOROETHANE	9.152	83	36434	10.25	UG/L	95
84) 1,4-DICHLORO-2-BUTENE(...	9.216	53	5006	5.39	UG/L #	87
85) BROMOBENZENE	9.133	77	40028	9.89	UG/L	97
86) 1,2,3-TRICHLOROPROPANE	9.186	75	32240	11.06	UG/L	90
87) N-PROPYLBENZENE	9.261	91	96304	9.28	UG/L	98
88) 2-CHLOROTOLUENE	9.331	91	66848	9.88	UG/L	100
89) 1,3,5-TRIMETHYLBENZENE	9.439	105	73548	9.67	UG/L	100
90) 4-CHLOROTOLUENE	9.439	91	70649	9.19	UG/L	98
92) TERT-BUTYLBENZENE	9.757	119	55982	9.61	UG/L	97
93) 1,2,4-TRIMETHYLBENZENE	9.805	105	72887	10.18	UG/L	95
94) SEC-BUTYLBENZENE	9.975	105	76798	9.89	UG/L	96
95) 1,3-DICHLOROBENZENE	10.070	146	45055	10.42	UG/L	99
96) P-ISOPROPYLTOLUENE	10.125	119	64485	9.66	UG/L	98
97) 1,4-DICHLOROBENZENE	10.156	146	47492	10.31	UG/L	98
98) 1,2,3-TRIMETHYLBENZENE	10.217	105	82609	10.41	UG/L #	100
99) N-BUTYLBENZENE	10.533	91	48619	8.66	UG/L	96
100) 1,2-DICHLOROBENZENE	10.524	146	47875	10.88	UG/L	99
101) 1,2-DIBROMO-3-CHLOROPR...	11.294	75	5431	9.09	UG/L	85
102) 1,3,5-TRICHLOROBENZENE	11.511	180	26979	10.04	UG/L	98
103) 1,2,4-TRICHLOROBENZENE	12.125	180	15647	6.36	UG/L	95
104) HEXACHLOROBUTADIENE	12.298	225	13069	12.64	UG/L	97
105) NAPHTHALENE	12.367	128	32369	4.39	UG/L	98
106) 1,2,3-TRICHLOROBENZENE	12.604	180	17028	7.08	UG/L	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Inst : GCMSV0A3

Quant Time: Sep 04 10:42:43 2024
Quant Method : C:\msdchem\1\methods\C080822.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
QLast Update : Wed Jan 10 12:13:53 2024
Response via : Initial Calibration



1 - FORM I

ANALYSIS DATA SHEET

LCS Dup

Laboratory:	Pace New England	Work Order:	24H4216
Client:	NYDEC_EA Engineering, Science & Tech. - N	Project:	North Lawrence Oil Dump - CO 152166
Matrix:	Water	Laboratory ID:	B384838-BSD1
		File ID:	C24V24805.D
Sampled:		Prepared:	09/03/24 13:25
		Analyzed:	09/04/24 09:45
Solids:		Preparation:	SW-846 5030B
		Dilution:	
Initial/Final:	5 mL / 5 mL		
Batch:	B384838	Sequence:	S109958
		Calibration:	2200537
		Instrument:	GCMSVOA3
Column:	1		

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone	100	2.0	50	
71-43-2	Benzene	11.4	0.14	1.0	V-06
74-97-5	Bromochloromethane	11.8	0.32	1.0	
75-27-4	Bromodichloromethane	10.7	0.19	0.50	
75-25-2	Bromoform	8.25	0.30	1.0	
74-83-9	Bromomethane	13.9	1.5	2.0	V-20
78-93-3	2-Butanone (MEK)	106	1.4	20	
104-51-8	n-Butylbenzene	8.97	0.16	1.0	
135-98-8	sec-Butylbenzene	10.0	0.16	1.0	
98-06-6	tert-Butylbenzene	9.93	0.17	1.0	
75-15-0	Carbon Disulfide	112	1.5	5.0	
56-23-5	Carbon Tetrachloride	6.22	0.19	5.0	L-04, V-05
108-90-7	Chlorobenzene	11.4	0.18	1.0	
124-48-1	Chlorodibromomethane	9.12	0.13	0.50	
75-00-3	Chloroethane	10.0	0.46	2.0	
67-66-3	Chloroform	11.3	0.19	2.0	
74-87-3	Chloromethane	12.1	0.50	2.0	V-20
110-82-7	Cyclohexane	11.6	1.8	5.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	9.07	0.63	5.0	
106-93-4	1,2-Dibromoethane (EDB)	11.4	0.13	0.50	
95-50-1	1,2-Dichlorobenzene	11.2	0.17	1.0	
541-73-1	1,3-Dichlorobenzene	11.2	0.15	1.0	
106-46-7	1,4-Dichlorobenzene	11.3	0.17	1.0	
75-71-8	Dichlorodifluoromethane (Freon 12)	10.1	0.20	2.0	
75-34-3	1,1-Dichloroethane	11.1	0.15	1.0	
107-06-2	1,2-Dichloroethane	11.5	0.13	1.0	
75-35-4	1,1-Dichloroethylene	10.9	0.18	1.0	
156-59-2	cis-1,2-Dichloroethylene	10.6	0.20	1.0	
156-60-5	trans-1,2-Dichloroethylene	10.4	0.16	1.0	

1 - FORM I

ANALYSIS DATA SHEET

LCS Dup

Laboratory:	Pace New England	Work Order:	24H4216
Client:	NYDEC_EA Engineering, Science & Tech. - N	Project:	North Lawrence Oil Dump - CO 152166
Matrix:	Water	Laboratory ID:	B384838-BSD1
		File ID:	C24V24805.D
Sampled:		Prepared:	09/03/24 13:25
		Analyzed:	09/04/24 09:45
Solids:		Preparation:	SW-846 5030B
		Dilution:	
Initial/Final:	5 mL / 5 mL		
Batch:	B384838	Sequence:	S109958
		Calibration:	2200537
		Instrument:	GCMSVOA3
Column:	1		

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
78-87-5	1,2-Dichloropropane	11.3	0.17	1.0	
10061-01-5	cis-1,3-Dichloropropene	10.2	0.13	0.50	
10061-02-6	trans-1,3-Dichloropropene	9.49	0.14	0.50	
100-41-4	Ethylbenzene	10.9	0.14	1.0	
591-78-6	2-Hexanone (MBK)	87.1	1.3	10	
98-82-8	Isopropylbenzene (Cumene)	9.86	0.16	1.0	
99-87-6	p-Isopropyltoluene (p-Cymene)	9.86	0.16	1.0	
79-20-9	Methyl Acetate	12.8	0.48	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)	10.4	0.17	1.0	
108-87-2	Methyl Cyclohexane	12.1	0.13	1.0	V-06
75-09-2	Methylene Chloride	10.0	0.19	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)	92.0	1.4	10	
91-20-3	Naphthalene	4.65	0.25	2.0	V-05
103-65-1	n-Propylbenzene	9.70	0.11	1.0	
100-42-5	Styrene	9.73	0.13	1.0	
79-34-5	1,1,2,2-Tetrachloroethane	11.2	0.10	0.50	
127-18-4	Tetrachloroethylene	12.2	0.17	1.0	
108-88-3	Toluene	11.4	0.11	1.0	
87-61-6	1,2,3-Trichlorobenzene	7.94	0.22	5.0	
120-82-1	1,2,4-Trichlorobenzene	7.03	0.19	1.0	V-05
71-55-6	1,1,1-Trichloroethane	11.0	0.14	1.0	
79-00-5	1,1,2-Trichloroethane	11.7	0.18	1.0	
79-01-6	Trichloroethylene	11.6	0.17	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)	10.6	0.14	2.0	
96-18-4	1,2,3-Trichloropropane	12.2	0.27	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.5	0.16	1.0	
95-63-6	1,2,4-Trimethylbenzene	10.5	0.16	1.0	
108-67-8	1,3,5-Trimethylbenzene	10.3	0.17	1.0	
75-01-4	Vinyl Chloride	9.71	0.19	2.0	

1 - FORM I

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Pace New England Work Order: 24H4216
Client: NYDEC_EA Engineering, Science & Tech. - N' Project: North Lawrence Oil Dump - CO 152166
Matrix: Water Laboratory ID: B384838-BSD1 File ID: C24V24805.D
Sampled: Prepared: 09/03/24 13:25 Analyzed: 09/04/24 09:45
Solids: Preparation: SW-846 5030B Dilution:
Initial/Final: 5 mL / 5 mL
Batch: B384838 Sequence: S109958 Calibration: 2200537 Instrument: GCMSVOA3
Column: 1

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
179601-23-1	m+p Xylene	21.6	0.25	2.0	
95-47-6	o-Xylene	9.99	0.16	1.0	
1330-20-7	Xylenes (total)	31.6	1.0	1.0	

Data Path : C:\msdchem\1\data\C090424\
 Data File : C24V24805.D
 Acq On : 4 Sep 2024 9:45 am
 Operator :
 Sample : B0BSD1
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Inst : GCMSVOA3

Quant Time: Sep 04 10:44:03 2024
 Quant Method : C:\msdchem\1\methods\C080822.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Wed Jan 10 12:13:53 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) PENTAFLUOROBENZENE - ISTD	4.286	168	178746	30.00	UG/L	0.00
49) 1,4-DIFLUOROBENZENE - ...	5.008	114	234855	30.00	UG/L	0.00
72) CHLOROBENZENE-D5 ISTD	7.839	82	110521	30.00	UG/L	0.00
91) 1,4-DICHLOROBENZENE-D4...	10.134	152	107868	30.00	UG/L	# 0.00
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4 SS	4.559	65	81489	24.29	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	97.16%	
50) TOLUENE SS	6.442	98	236823	25.46	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	101.84%	
73) 4-BROMOFLUOROBENZENE SS	8.993	95	76949	23.48	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	93.92%	
Target Compounds						
					Qvalue	
3) DICHLORODIFLUOROMETHANE	1.127	85	26167	10.12	UG/L	97
4) DIFLUOROCHLOROMETHANE	1.132	51	31696	9.30	UG/L	# 100
5) CHLOROMETHANE	1.238	50	51165	12.10	UG/L	# 24
6) VINYL CHLORIDE	1.308	62	30216	9.71	UG/L	97
7) BROMOMETHANE	1.506	94	25543	13.92	UG/L	100
8) CHLOROETHANE	1.570	64	21462	10.00	UG/L	98
9) FLUORODICHLOROMETHANE	1.693	67	54558	10.90	UG/L	100
10) TRICHLOROFLUOROMETHANE	1.737	101	40393	10.61	UG/L	98
11) ETHANOL	1.860	45	7337	118.78	UG/L	88
12) DI ETHYL ETHER	1.932	59	25534	11.54	UG/L	92
13) ACROLEIN	2.027	56	72652	133.31	UG/L	91
14) ACETONE	2.144	43	108608	100.10	UG/L	93
15) 1,1-DICHLOROETHENE	2.097	61	42226	10.90	UG/L	96
16) 1,1,2-TRICL-1,2,2-TRIF...	2.094	101	25901	11.51	UG/L	89
17) IODOMETHANE	2.211	142	358455	111.00	UG/L	100
20) METHYL ACETATE	2.401	43	53947	12.77	UG/L	# 93
21) T-BUTYL ALCOHOL	2.602	59	37425	87.44	UG/L	# 91
22) ACRYLONITRILE	2.708	53	14717	10.93	UG/L	100
23) METHYLENE CHLORIDE	2.479	49	38414	10.03	UG/L	90
24) CARBON DISULFIDE	2.267	76	837043	112.35	UG/L	99
25) METHYL TERT-BUTYL ETHE...	2.738	73	87623	10.41	UG/L	96
26) TRANS 1,2-DICHLOROETHENE	2.722	61	38314	10.41	UG/L	99
27) 1,1-DICHLOROETHANE	3.143	63	52252	11.13	UG/L	97
28) VINYL ACETATE	3.215	43	708345	90.57	UG/L	96
29) DI ISOPROYL ETHER	3.240	45	101624	10.94	UG/L	93
31) 2-BUTANONE	3.787	43	166184	105.89	UG/L	# 92
32) T-BUTYL ETHYL ETHER	3.617	59	86156	10.45	UG/L	98
33) CIS-1,2-DICHLOROETHENE	3.737	61	43517	10.64	UG/L	99
34) 2,2-DICHLOROPROPANE	3.737	77	35646	9.83	UG/L	94
35) ETHYL ACETATE	3.854	43	34378	8.87	UG/L	# 97
38) BROMOCHLOROMETHANE	3.974	49	26746	11.83	UG/L	92
39) TETRAHYDROFURAN	4.057	42	11882	10.63	UG/L	# 87
40) CHLOROFORM	4.063	83	51209	11.32	UG/L	96
41) 1,1,1-TRICHLOROETHANE	4.239	97	41410	10.99	UG/L	96
42) CYCLOHEXANE	4.286	56	48966	11.61	UG/L	93
43) CARBON TETRACHLORIDE	4.403	117	19561	6.22	UG/L	98
44) 1,1-DICHLOROPROPENE	4.406	75	37327	11.45	UG/L	98
45) BENZENE	4.610	78	113446	11.42	UG/L	97
48) T-AMYL METHYL ETHER	4.755	73	66312	8.48	UG/L	# 93
51) 1,2-DICHLOROETHANE	4.635	62	38561	11.52	UG/L	100
52) TRICHLOROETHENE	5.251	95	25199	11.63	UG/L	96
53) METHYLCYCLOHEXANE	5.435	83	31264	12.07	UG/L	94
54) 1,2-DICHLOROPROPANE	5.471	63	27153	11.32	UG/L	97

Data Path : C:\msdchem\1\data\C090424\
 Data File : C24V24805.D
 Acq On : 4 Sep 2024 9:45 am
 Operator :
 Sample : B0BSD1
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Inst : GCMSVOA3

Quant Time: Sep 04 10:44:03 2024
 Quant Method : C:\msdchem\1\methods\C080822.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Wed Jan 10 12:13:53 2024
 Response via : Initial Calibration

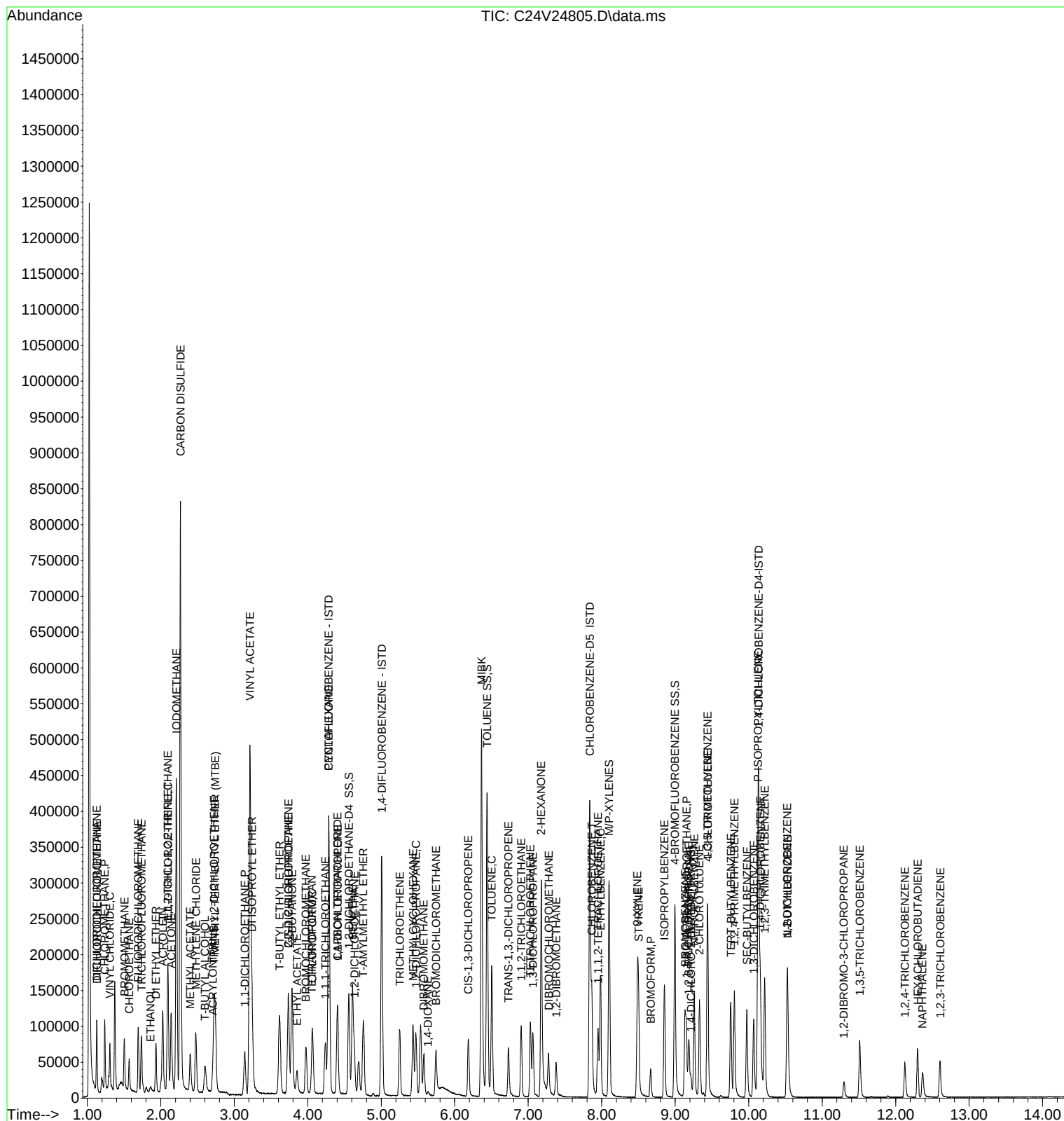
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
56) DIBROMOMETHANE	5.577	93	17792	11.38	UG/L	98
58) 1,4-DIOXANE	5.633	88	3395	91.65	UG/L #	78
59) BROMODICHLOROMETHANE	5.745	83	32941	10.68	UG/L	96
61) MIBK	6.364	43	296175	92.00	UG/L	97
62) CIS-1,3-DICHLOROPROPENE	6.185	75	37744	10.18	UG/L	98
63) TOLUENE	6.503	91	107115	11.45	UG/L	98
64) TRANS-1,3,-DICHLOROPRO...	6.732	75	30330	9.49	UG/L	97
66) 1,1,2-TRICHLOROETHANE	6.905	97	25667	11.72	UG/L	96
67) 2-HEXANONE	7.178	43	193981	87.14	UG/L	98
68) TETRACHLOROETHENE	7.030	166	26700	12.15	UG/L	99
69) 1,3-DICHLOROPROPANE	7.064	76	43300	11.12	UG/L	97
70) DIBROMOCHLOROMETHANE	7.278	129	24005	9.12	UG/L	97
71) 1,2-DIBROMOETHANE	7.381	107	26634	11.37	UG/L	95
74) CHLOROBENZENE	7.864	112	66431	11.44	UG/L	94
75) 1,1,1,2-TETRACHLOROETHANE	7.950	131	22408	10.41	UG/L	98
76) ETHYLBENZENE	7.984	91	102459	10.91	UG/L	96
77) M/P-XYLENES	8.101	91	158120	21.57	UG/L	98
78) O-XYLENE	8.486	91	77125	9.99	UG/L	99
79) STYRENE	8.502	104	60307	9.73	UG/L	98
80) BROMOFORM	8.667	173	15919	8.25	UG/L #	97
81) ISOPROPYLBENZENE	8.854	105	87025	9.86	UG/L	99
83) 1,1,2,2-TETRACHLOROETHANE	9.152	83	37840	11.19	UG/L	96
84) 1,4-DICHLORO-2-BUTENE(...	9.214	53	5124	5.80	UG/L	89
85) BROMOBENZENE	9.133	77	40333	10.48	UG/L	98
86) 1,2,3-TRICHLOROPROPANE	9.183	75	33922	12.23	UG/L	91
87) N-PROPYLBENZENE	9.261	91	95676	9.70	UG/L	98
88) 2-CHLOROTOLUENE	9.331	91	67821	10.54	UG/L	99
89) 1,3,5-TRIMETHYLBENZENE	9.439	105	74563	10.31	UG/L	98
90) 4-CHLOROTOLUENE	9.442	91	73095	9.99	UG/L	98
92) TERT-BUTYLBENZENE	9.757	119	57387	9.93	UG/L	97
93) 1,2,4-TRIMETHYLBENZENE	9.805	105	74400	10.48	UG/L	96
94) SEC-BUTYLBENZENE	9.975	105	77459	10.05	UG/L	97
95) 1,3-DICHLOROBENZENE	10.070	146	47899	11.17	UG/L	99
96) P-ISOPROPYLTOLUENE	10.125	119	65279	9.86	UG/L	98
97) 1,4-DICHLOROBENZENE	10.159	146	51507	11.27	UG/L	98
98) 1,2,3-TRIMETHYLBENZENE	10.217	105	81945	10.41	UG/L #	100
99) N-BUTYLBENZENE	10.533	91	49958	8.97	UG/L	95
100) 1,2-DICHLOROBENZENE	10.521	146	48694	11.16	UG/L	99
101) 1,2-DIBROMO-3-CHLOROPR...	11.294	75	5378	9.07	UG/L	91
102) 1,3,5-TRICHLOROBENZENE	11.511	180	28247	10.60	UG/L	97
103) 1,2,4-TRICHLOROBENZENE	12.125	180	17156	7.03	UG/L	98
104) HEXACHLOROBUTADIENE	12.301	225	13514	13.17	UG/L	94
105) NAPHTHALENE	12.365	128	34063	4.65	UG/L #	94
106) 1,2,3-TRICHLOROBENZENE	12.607	180	18952	7.94	UG/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Inst : GCMSVOA3

Quant Time: Sep 04 10:44:03 2024
Quant Method : C:\msdchem\1\methods\C080822.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
QLast Update : Wed Jan 10 12:13:53 2024
Response via : Initial Calibration



1 - FORM I

ANALYSIS DATA SHEET

Matrix Spike

Laboratory:	Pace New England	Work Order:	24H4216
Client:	NYDEC_EA Engineering, Science & Tech. - N	Project:	North Lawrence Oil Dump - CO 152166
Matrix:	Water	Laboratory ID:	B384838-MS1
		File ID:	C24V24825.D
Sampled:		Prepared:	09/03/24 13:25
		Analyzed:	09/04/24 18:39
Solids:		Preparation:	SW-846 5030B
		Dilution:	
Initial/Final:	5 mL / 5 mL		
Batch:	B384838	Sequence:	S109958
		Calibration:	2200537
		Instrument:	GCMSVOA3
Column:	1		

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone	81.0	2.0	50	
71-43-2	Benzene	11.8	0.14	1.0	V-06
74-97-5	Bromochloromethane	11.1	0.32	1.0	
75-27-4	Bromodichloromethane	9.21	0.19	0.50	
75-25-2	Bromoform	7.68	0.30	1.0	
74-83-9	Bromomethane	10.3	1.5	2.0	V-20
78-93-3	2-Butanone (MEK)	83.0	1.4	20	
104-51-8	n-Butylbenzene	7.06	0.16	1.0	
135-98-8	sec-Butylbenzene	9.22	0.16	1.0	
98-06-6	tert-Butylbenzene	9.05	0.17	1.0	
75-15-0	Carbon Disulfide	105	1.5	5.0	
56-23-5	Carbon Tetrachloride	8.43	0.19	5.0	L-04, V-05
108-90-7	Chlorobenzene	10.8	0.18	1.0	
124-48-1	Chlorodibromomethane	8.33	0.13	0.50	
75-00-3	Chloroethane	9.53	0.46	2.0	
67-66-3	Chloroform	10.8	0.19	2.0	
74-87-3	Chloromethane	16.1	0.50	2.0	MS-15, V-20
110-82-7	Cyclohexane	10.8	1.8	5.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	7.55	0.63	5.0	
106-93-4	1,2-Dibromoethane (EDB)	9.17	0.13	0.50	
95-50-1	1,2-Dichlorobenzene	9.87	0.17	1.0	
541-73-1	1,3-Dichlorobenzene	9.82	0.15	1.0	
106-46-7	1,4-Dichlorobenzene	9.66	0.17	1.0	
75-71-8	Dichlorodifluoromethane (Freon 12)	8.66	0.20	2.0	
75-34-3	1,1-Dichloroethane	10.4	0.15	1.0	
107-06-2	1,2-Dichloroethane	10.2	0.13	1.0	
75-35-4	1,1-Dichloroethylene	9.69	0.18	1.0	
156-59-2	cis-1,2-Dichloroethylene	16.2	0.20	1.0	
156-60-5	trans-1,2-Dichloroethylene	9.90	0.16	1.0	

1 - FORM I

ANALYSIS DATA SHEET

Matrix Spike

Laboratory:	Pace New England	Work Order:	24H4216
Client:	NYDEC_EA Engineering, Science & Tech. - N	Project:	North Lawrence Oil Dump - CO 152166
Matrix:	Water	Laboratory ID:	B384838-MS1
		File ID:	C24V24825.D
Sampled:		Prepared:	09/03/24 13:25
		Analyzed:	09/04/24 18:39
Solids:		Preparation:	SW-846 5030B
		Dilution:	
Initial/Final:	5 mL / 5 mL		
Batch:	B384838	Sequence:	S109958
		Calibration:	2200537
		Instrument:	GCMSVOA3
Column:	1		

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
78-87-5	1,2-Dichloropropane	11.2	0.17	1.0	
10061-01-5	cis-1,3-Dichloropropene	7.88	0.13	0.50	
10061-02-6	trans-1,3-Dichloropropene	7.34	0.14	0.50	
100-41-4	Ethylbenzene	9.90	0.14	1.0	
591-78-6	2-Hexanone (MBK)	52.0	1.3	10	MS-07A
98-82-8	Isopropylbenzene (Cumene)	8.75	0.16	1.0	
99-87-6	p-Isopropyltoluene (p-Cymene)	8.70	0.16	1.0	
79-20-9	Methyl Acetate	8.73	0.48	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)	8.97	0.17	1.0	
108-87-2	Methyl Cyclohexane	12.0	0.13	1.0	V-06
75-09-2	Methylene Chloride	9.34	0.19	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)	65.1	1.4	10	MS-24
91-20-3	Naphthalene	2.72	0.25	2.0	MS-09, V-05
103-65-1	n-Propylbenzene	8.37	0.11	1.0	
100-42-5	Styrene	7.69	0.13	1.0	
79-34-5	1,1,2,2-Tetrachloroethane	9.42	0.10	0.50	
127-18-4	Tetrachloroethylene	10.3	0.17	1.0	
108-88-3	Toluene	9.92	0.11	1.0	
87-61-6	1,2,3-Trichlorobenzene	5.19	0.22	5.0	MS-07A
120-82-1	1,2,4-Trichlorobenzene	4.75	0.19	1.0	MS-09, V-05
71-55-6	1,1,1-Trichloroethane	10.5	0.14	1.0	
79-00-5	1,1,2-Trichloroethane	9.62	0.18	1.0	
79-01-6	Trichloroethylene	12.2	0.17	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)	10.2	0.14	2.0	
96-18-4	1,2,3-Trichloropropane	9.42	0.27	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.5	0.16	1.0	
95-63-6	1,2,4-Trimethylbenzene	9.22	0.16	1.0	
108-67-8	1,3,5-Trimethylbenzene	8.98	0.17	1.0	
75-01-4	Vinyl Chloride	8.94	0.19	2.0	

1 - FORM I

ANALYSIS DATA SHEET

Matrix Spike

Laboratory: Pace New England Work Order: 24H4216
Client: NYDEC_EA Engineering, Science & Tech. - N' Project: North Lawrence Oil Dump - CO 152166
Matrix: Water Laboratory ID: B384838-MS1 File ID: C24V24825.D
Sampled: Prepared: 09/03/24 13:25 Analyzed: 09/04/24 18:39
Solids: Preparation: SW-846 5030B Dilution:
Initial/Final: 5 mL / 5 mL
Batch: B384838 Sequence: S109958 Calibration: 2200537 Instrument: GCMSVOA3
Column: 1

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
179601-23-1	m+p Xylene	19.4	0.25	2.0	
95-47-6	o-Xylene	8.92	0.16	1.0	
1330-20-7	Xylenes (total)	28.4	1.0	1.0	

Data Path : C:\msdchem\1\data\C090424\
 Data File : C24V24825.D
 Acq On : 4 Sep 2024 6:39 pm
 Operator :
 Sample : 24H4216-01 @ MS
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Inst : GCMSVOA3

Quant Time: Sep 05 06:27:39 2024
 Quant Method : C:\msdchem\1\methods\C080822.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Wed Jan 10 12:13:53 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) PENTAFLUOROBENZENE - ISTD	4.289	168	172326	30.00	UG/L	0.00
49) 1,4-DIFLUOROBENZENE - ...	5.008	114	256088	30.00	UG/L	0.00
72) CHLOROBENZENE-D5 ISTD	7.839	82	107277	30.00	UG/L	0.00
91) 1,4-DICHLOROBENZENE-D4...	10.137	152	97163	30.00	UG/L	# 0.00
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4 SS	4.559	65	77592	23.99	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	95.96%	
50) TOLUENE SS	6.442	98	231794	22.85	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	91.40%	
73) 4-BROMOFLUOROBENZENE SS	8.996	95	71667	22.53	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	90.12%	
Target Compounds						
3) DICHLORODIFLUOROMETHANE	1.126	85	21591	8.66	UG/L	Qvalue 97
4) DIFLUOROCHLOROMETHANE	1.132	51	30107	9.16	UG/L	# 100
5) CHLOROMETHANE	1.238	50	65613	16.10	UG/L	# 22
6) VINYL CHLORIDE	1.308	62	26801	8.94	UG/L	# 51
7) BROMOMETHANE	1.506	94	18288	10.34	UG/L	99
8) CHLOROETHANE	1.570	64	19723	9.53	UG/L	100
9) FLUORODICHLOROMETHANE	1.695	67	50476	10.46	UG/L	100
10) TRICHLOROFLUOROMETHANE	1.740	101	37440	10.20	UG/L	97
11) ETHANOL	1.854	45	6902	115.90	UG/L	# 85
12) DI ETHYL ETHER	1.932	59	21947	10.29	UG/L	96
13) ACROLEIN	2.024	56	53310	101.46	UG/L	# 80
14) ACETONE	2.139	43	84683	80.96	UG/L	92
15) 1,1-DICHLOROETHENE	2.097	61	36210	9.69	UG/L	98
16) 1,1,2-TRICL-1,2,2-TRIF...	2.097	101	22714	10.47	UG/L	87
17) IODOMETHANE	2.214	142	219702	70.57	UG/L	99
20) METHYL ACETATE	2.398	43	35528	8.73	UG/L	# 92
21) T-BUTYL ALCOHOL	2.599	59	27340	66.26	UG/L	# 83
22) ACRYLONITRILE	2.702	53	11830	9.12	UG/L	99
23) METHYLENE CHLORIDE	2.479	49	34488	9.34	UG/L	88
24) CARBON DISULFIDE	2.267	76	755217	105.14	UG/L	99
25) METHYL TERT-BUTYL ETHE...	2.738	73	72812	8.97	UG/L	96
26) TRANS 1,2-DICHLOROETHENE	2.724	61	35149	9.90	UG/L	99
27) 1,1-DICHLOROETHANE	3.143	63	47275	10.45	UG/L	98
28) VINYL ACETATE	3.212	43	489318	64.90	UG/L	97
29) DI ISOPROYL ETHER	3.237	45	88649	9.90	UG/L	93
31) 2-BUTANONE	3.781	43	125661	83.05	UG/L	93
32) T-BUTYL ETHYL ETHER	3.617	59	70605	8.89	UG/L	98
33) CIS-1,2-DICHLOROETHENE	3.737	61	64053	16.24	UG/L	98
34) 2,2-DICHLOROPROPANE	3.737	77	28795	8.23	UG/L	98
35) ETHYL ACETATE	3.851	43	24056	6.44	UG/L	98
38) BROMOCHLOROMETHANE	3.976	49	24210	11.11	UG/L	91
39) TETRAHYDROFURAN	4.055	42	9409	8.73	UG/L	# 78
40) CHLOROFORM	4.068	83	47032	10.79	UG/L	98
41) 1,1,1-TRICHLOROETHANE	4.239	97	38268	10.54	UG/L	95
42) CYCLOHEXANE	4.289	56	43827	10.78	UG/L	91
43) CARBON TETRACHLORIDE	4.403	117	25580	8.43	UG/L	95
44) 1,1-DICHLOROPROPENE	4.406	75	34919	11.11	UG/L	96
45) BENZENE	4.612	78	112574	11.75	UG/L	98
48) T-AMYL METHYL ETHER	4.754	73	60773	8.06	UG/L	# 92
51) 1,2-DICHLOROETHANE	4.637	62	37302	10.22	UG/L	99
52) TRICHLOROETHANE	5.251	95	28799	12.19	UG/L	95
53) METHYLCYCLOHEXANE	5.435	83	33903	12.01	UG/L	91
54) 1,2-DICHLOROPROPANE	5.471	63	29197	11.17	UG/L	98

Data Path : C:\msdchem\1\data\C090424\
 Data File : C24V24825.D
 Acq On : 4 Sep 2024 6:39 pm
 Operator :
 Sample : 24H4216-01 @ MS
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Inst : GCMSVOA3

Quant Time: Sep 05 06:27:39 2024
 Quant Method : C:\msdchem\1\methods\C080822.M
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 QLast Update : Wed Jan 10 12:13:53 2024
 Response via : Initial Calibration

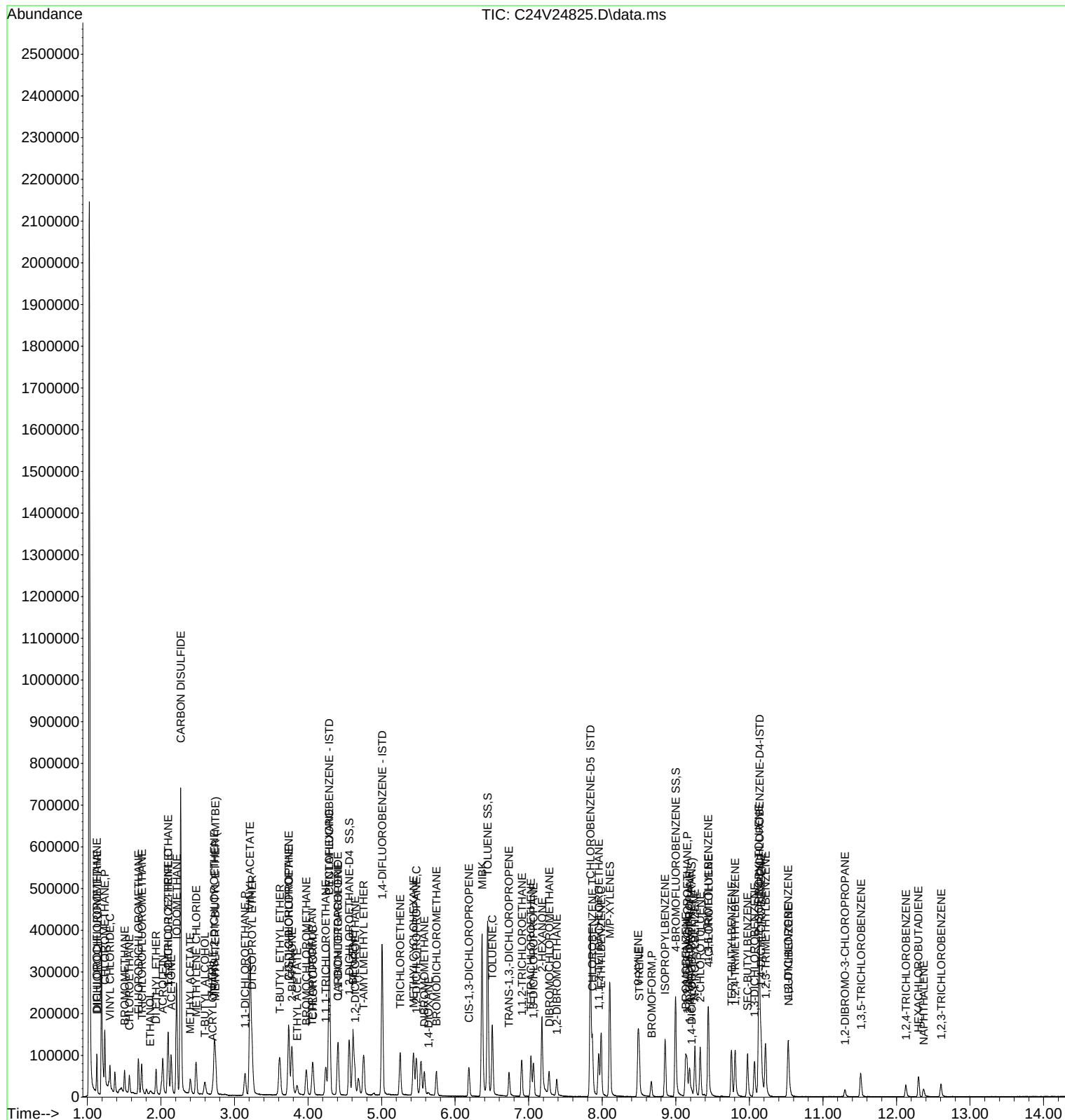
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
56) DIBROMOMETHANE	5.580	93	16603	9.74	UG/L	97
58) 1,4-DIOXANE	5.636	88	3022m	74.82	UG/L	
59) BROMODICHLOROMETHANE	5.744	83	30993	9.21	UG/L	97
61) MIBK	6.366	43	228373	65.06	UG/L	98
62) CIS-1,3-DICHLOROPROPENE	6.188	75	31858	7.88	UG/L	98
63) TOLUENE	6.506	91	101165	9.92	UG/L	97
64) TRANS-1,3,-DICHLOROPRO...	6.732	75	25556	7.34	UG/L	96
66) 1,1,2-TRICHLOROETHANE	6.907	97	22971	9.62	UG/L	96
67) 2-HEXANONE	7.181	43	126334	52.05	UG/L	96
68) TETRACHLOROETHENE	7.030	166	24681	10.30	UG/L	100
69) 1,3-DICHLOROPROPANE	7.063	76	38093	8.97	UG/L	100
70) DIBROMOCHLOROMETHANE	7.278	129	23909	8.33	UG/L	99
71) 1,2-DIBROMOETHANE	7.381	107	23424	9.17	UG/L	100
74) CHLOROBENZENE	7.867	112	60754	10.78	UG/L	96
75) 1,1,1,2-TETRACHLOROETHANE	7.953	131	23665	11.32	UG/L	98
76) ETHYLBENZENE	7.984	91	90212	9.90	UG/L	98
77) M/P-XYLENES	8.104	91	138325	19.44	UG/L	99
78) O-XYLENE	8.488	91	66811	8.92	UG/L	99
79) STYRENE	8.502	104	46275	7.69	UG/L	98
80) BROMOFORM	8.670	173	14378	7.68	UG/L	# 94
81) ISOPROPYLBENZENE	8.854	105	74903	8.75	UG/L	99
83) 1,1,2,2-TETRACHLOROETHANE	9.152	83	30901	9.42	UG/L	97
84) 1,4-DICHLORO-2-BUTENE(...	9.214	53	3161	3.69	UG/L	# 87
85) BROMOBENZENE	9.135	77	34112	9.13	UG/L	96
86) 1,2,3-TRICHLOROPROPANE	9.186	75	25342	9.42	UG/L	98
87) N-PROPYLBENZENE	9.261	91	80133	8.37	UG/L	99
88) 2-CHLOROTOLUENE	9.333	91	56768	9.09	UG/L	98
89) 1,3,5-TRIMETHYLBENZENE	9.439	105	63052	8.98	UG/L	96
90) 4-CHLOROTOLUENE	9.445	91	63218	8.91	UG/L	97
92) TERT-BUTYLBENZENE	9.757	119	47078	9.05	UG/L	95
93) 1,2,4-TRIMETHYLBENZENE	9.805	105	58979	9.22	UG/L	96
94) SEC-BUTYLBENZENE	9.972	105	64015	9.22	UG/L	96
95) 1,3-DICHLOROBENZENE	10.070	146	37941	9.82	UG/L	99
96) P-ISOPROPYLTOLUENE	10.125	119	51908	8.70	UG/L	98
97) 1,4-DICHLOROBENZENE	10.159	146	39777	9.66	UG/L	91
98) 1,2,3-TRIMETHYLBENZENE	10.220	105	67095	9.46	UG/L	# 100
99) N-BUTYLBENZENE	10.535	91	35411	7.06	UG/L	94
100) 1,2-DICHLOROBENZENE	10.524	146	38797	9.87	UG/L	98
101) 1,2-DIBROMO-3-CHLOROPR...	11.299	75	4033	7.55	UG/L	91
102) 1,3,5-TRICHLOROBENZENE	11.517	180	20173	8.40	UG/L	97
103) 1,2,4-TRICHLOROBENZENE	12.128	180	10437	4.75	UG/L	97
104) HEXACHLOROBUTADIENE	12.298	225	10021	10.85	UG/L	96
105) NAPHTHALENE	12.370	128	17908	2.72	UG/L	# 93
106) 1,2,3-TRICHLOROBENZENE	12.607	180	11161	5.19	UG/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

275

Inst : GCMSV0A3

Quant Time: Sep 05 06:27:39 2024

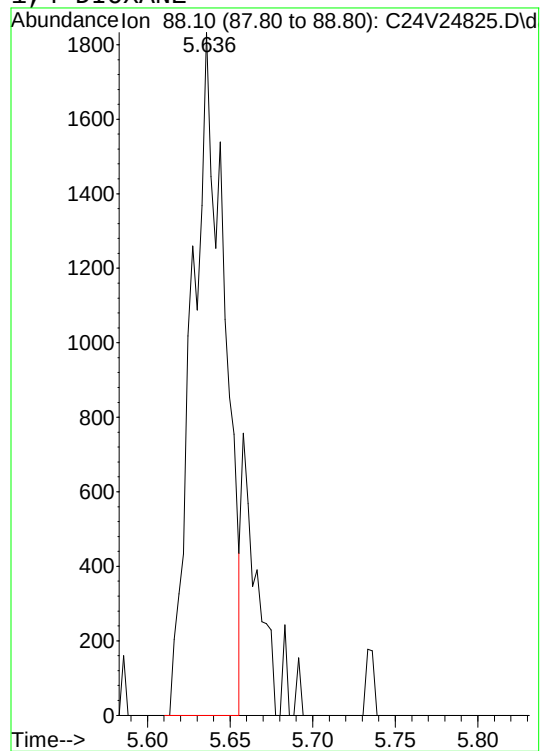


Data Path : C:\msdchem\1\data\C090424\
Data File : C24V24825.D
Acq On : 4 Sep 2024 6:39 pm
Operator :
Sample : 24H4216-01 @ MS
Misc :

Quant Time : Thu Sep 05 06:27:39 2024
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Wed Jan 10 12:13:53 2024

Original Integration

1,4-DIOXANE



Original Int. Results

RT : 5.64
Area : 2490
Amount: 61.6487

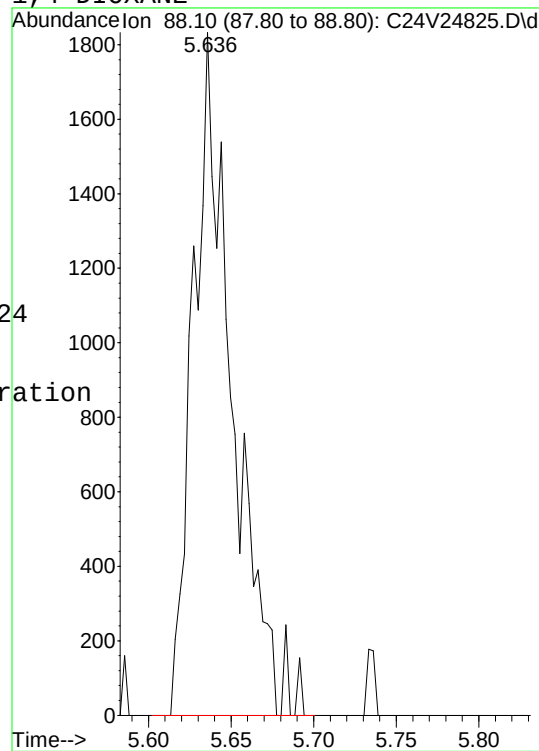
Manual Int. Results

Thu Sep 05 06:27:39 2024

MIuser: MFF
Reason: Incoret Integration
RT : 5.64
Area : 3022
Amount: 74.8202

Manual Integration

1,4-DIOXANE



1 - FORM I

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory:	Pace New England	Work Order:	24H4216
Client:	NYDEC_EA Engineering, Science & Tech. - N	Project:	North Lawrence Oil Dump - CO 152166
Matrix:	Water	Laboratory ID:	B384838-MSD1
		File ID:	C24V24826.D
Sampled:		Prepared:	09/03/24 13:25
		Analyzed:	09/04/24 19:05
Solids:		Preparation:	SW-846 5030B
		Dilution:	
Initial/Final:	5 mL / 5 mL		
Batch:	B384838	Sequence:	S109958
		Calibration:	2200537
		Instrument:	GCMSVOA3
Column:	1		

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone	92.8	2.0	50	
71-43-2	Benzene	11.0	0.14	1.0	V-06
74-97-5	Bromochloromethane	12.4	0.32	1.0	
75-27-4	Bromodichloromethane	10.4	0.19	0.50	
75-25-2	Bromoform	8.09	0.30	1.0	
74-83-9	Bromomethane	10.8	1.5	2.0	V-20
78-93-3	2-Butanone (MEK)	96.3	1.4	20	
104-51-8	n-Butylbenzene	7.71	0.16	1.0	
135-98-8	sec-Butylbenzene	9.67	0.16	1.0	
98-06-6	tert-Butylbenzene	9.69	0.17	1.0	
75-15-0	Carbon Disulfide	116	1.5	5.0	
56-23-5	Carbon Tetrachloride	8.19	0.19	5.0	L-04, V-05
108-90-7	Chlorobenzene	11.1	0.18	1.0	
124-48-1	Chlorodibromomethane	9.62	0.13	0.50	
75-00-3	Chloroethane	10.3	0.46	2.0	
67-66-3	Chloroform	11.6	0.19	2.0	
74-87-3	Chloromethane	17.1	0.50	2.0	MS-15, V-20
110-82-7	Cyclohexane	11.1	1.8	5.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	8.17	0.63	5.0	
106-93-4	1,2-Dibromoethane (EDB)	10.9	0.13	0.50	
95-50-1	1,2-Dichlorobenzene	10.7	0.17	1.0	
541-73-1	1,3-Dichlorobenzene	10.5	0.15	1.0	
106-46-7	1,4-Dichlorobenzene	10.4	0.17	1.0	
75-71-8	Dichlorodifluoromethane (Freon 12)	9.46	0.20	2.0	
75-34-3	1,1-Dichloroethane	11.5	0.15	1.0	
107-06-2	1,2-Dichloroethane	10.9	0.13	1.0	
75-35-4	1,1-Dichloroethylene	10.4	0.18	1.0	
156-59-2	cis-1,2-Dichloroethylene	18.3	0.20	1.0	
156-60-5	trans-1,2-Dichloroethylene	10.9	0.16	1.0	

1 - FORM I

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory:	Pace New England	Work Order:	24H4216
Client:	NYDEC_EA Engineering, Science & Tech. - N	Project:	North Lawrence Oil Dump - CO 152166
Matrix:	Water	Laboratory ID:	B384838-MSD1
		File ID:	C24V24826.D
Sampled:		Prepared:	09/03/24 13:25
		Analyzed:	09/04/24 19:05
Solids:		Preparation:	SW-846 5030B
		Dilution:	
Initial/Final:	5 mL / 5 mL		
Batch:	B384838	Sequence:	S109958
		Calibration:	2200537
		Instrument:	GCMSVOA3
Column:	1		

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
78-87-5	1,2-Dichloropropane	11.1	0.17	1.0	
10061-01-5	cis-1,3-Dichloropropene	8.81	0.13	0.50	
10061-02-6	trans-1,3-Dichloropropene	8.38	0.14	0.50	
100-41-4	Ethylbenzene	10.4	0.14	1.0	
591-78-6	2-Hexanone (MBK)	62.3	1.3	10	MS-07A
98-82-8	Isopropylbenzene (Cumene)	9.13	0.16	1.0	
99-87-6	p-Isopropyltoluene (p-Cymene)	9.35	0.16	1.0	
79-20-9	Methyl Acetate	10.4	0.48	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)	9.93	0.17	1.0	
108-87-2	Methyl Cyclohexane	11.2	0.13	1.0	V-06
75-09-2	Methylene Chloride	10.1	0.19	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)	76.6	1.4	10	
91-20-3	Naphthalene	3.08	0.25	2.0	MS-09, V-05
103-65-1	n-Propylbenzene	8.77	0.11	1.0	
100-42-5	Styrene	7.92	0.13	1.0	
79-34-5	1,1,2,2-Tetrachloroethane	10.0	0.10	0.50	
127-18-4	Tetrachloroethylene	12.0	0.17	1.0	
108-88-3	Toluene	11.3	0.11	1.0	
87-61-6	1,2,3-Trichlorobenzene	6.09	0.22	5.0	MS-07A
120-82-1	1,2,4-Trichlorobenzene	5.33	0.19	1.0	MS-09, V-05
71-55-6	1,1,1-Trichloroethane	11.0	0.14	1.0	
79-00-5	1,1,2-Trichloroethane	11.4	0.18	1.0	
79-01-6	Trichloroethylene	12.0	0.17	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)	11.1	0.14	2.0	
96-18-4	1,2,3-Trichloropropane	10.0	0.27	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.4	0.16	1.0	
95-63-6	1,2,4-Trimethylbenzene	9.91	0.16	1.0	
108-67-8	1,3,5-Trimethylbenzene	9.45	0.17	1.0	
75-01-4	Vinyl Chloride	9.54	0.19	2.0	

1 - FORM I

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Pace New England Work Order: 24H4216
Client: NYDEC_EA Engineering, Science & Tech. - N' Project: North Lawrence Oil Dump - CO 152166
Matrix: Water Laboratory ID: B384838-MSD1 File ID: C24V24826.D
Sampled: Prepared: 09/03/24 13:25 Analyzed: 09/04/24 19:05
Solids: Preparation: SW-846 5030B Dilution:
Initial/Final: 5 mL / 5 mL
Batch: B384838 Sequence: S109958 Calibration: 2200537 Instrument: GCMSVOA3
Column: 1

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
179601-23-1	m+p Xylene	20.1	0.25	2.0	
95-47-6	o-Xylene	9.41	0.16	1.0	
1330-20-7	Xylenes (total)	29.5	1.0	1.0	

Data Path : C:\msdchem\1\data\C090424\
 Data File : C24V24826.D
 Acq On : 4 Sep 2024 7:05 pm
 Operator :
 Sample : 24H4216-01 @ MSD
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Inst : GCMSVOA3

Quant Time: Sep 05 05:40:48 2024
 Quant Method : C:\msdchem\1\methods\C080822.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Wed Jan 10 12:13:53 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) PENTAFLUOROBENZENE - ISTD	4.289	168	166307	30.00	UG/L	0.00
49) 1,4-DIFLUOROBENZENE - ...	5.005	114	228369	30.00	UG/L	0.00
72) CHLOROBENZENE-D5 ISTD	7.838	82	105437	30.00	UG/L	0.00
91) 1,4-DICHLOROBENZENE-D4...	10.134	152	95649	30.00	UG/L	# 0.00
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4 SS	4.559	65	76722	24.58	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	98.32%	
50) TOLUENE SS	6.441	98	226669	25.06	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	100.24%	
73) 4-BROMOFLUOROBENZENE SS	8.996	95	71030	22.72	UG/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	90.88%	
Target Compounds						
					Qvalue	
3) DICHLORODIFLUOROMETHANE	1.126	85	22769	9.46	UG/L	98
4) DIFLUOROCHLOROMETHANE	1.132	51	29544	9.32	UG/L	# 100
5) CHLOROMETHANE	1.238	50	67304	17.11	UG/L	# 24
6) VINYL CHLORIDE	1.308	62	27609	9.54	UG/L	# 61
7) BROMOMETHANE	1.506	94	18498	10.84	UG/L	100
8) CHLOROETHANE	1.572	64	20522	10.28	UG/L	99
9) FLUORODICHLOROMETHANE	1.695	67	52387	11.25	UG/L	98
10) TRICHLOROFLUOROMETHANE	1.737	101	39337	11.10	UG/L	96
11) ETHANOL	1.860	45	7297	126.97	UG/L	# 84
12) DI ETHYL ETHER	1.935	59	22664	11.01	UG/L	94
13) ACROLEIN	2.027	56	57806	114.00	UG/L	# 78
14) ACETONE	2.141	43	93684	92.81	UG/L	94
15) 1,1-DICHLOROETHENE	2.094	61	37496	10.40	UG/L	94
16) 1,1,2-TRICL-1,2,2-TRIF...	2.097	101	23754	11.35	UG/L	90
17) IODOMETHANE	2.214	142	254945	84.85	UG/L	100
20) METHYL ACETATE	2.401	43	40685	10.35	UG/L	# 92
21) T-BUTYL ALCOHOL	2.596	59	30522	76.65	UG/L	# 87
22) ACRYLONITRILE	2.707	53	12331	9.85	UG/L	92
23) METHYLENE CHLORIDE	2.479	49	35940	10.09	UG/L	89
24) CARBON DISULFIDE	2.267	76	802939	115.83	UG/L	99
25) METHYL TERT-BUTYL ETHE...	2.741	73	77802	9.93	UG/L	98
26) TRANS 1,2-DICHLOROETHENE	2.724	61	37214	10.86	UG/L	99
27) 1,1-DICHLOROETHANE	3.142	63	50092	11.47	UG/L	98
28) VINYL ACETATE	3.215	43	520493	71.53	UG/L	98
29) DI ISOPROYL ETHER	3.240	45	92849	10.75	UG/L	93
31) 2-BUTANONE	3.784	43	140638	96.31	UG/L	93
32) T-BUTYL ETHYL ETHER	3.614	59	74889	9.77	UG/L	98
33) CIS-1,2-DICHLOROETHENE	3.734	61	69608	18.29	UG/L	98
34) 2,2-DICHLOROPROPANE	3.734	77	29611	8.77	UG/L	98
35) ETHYL ACETATE	3.856	43	26557	7.36	UG/L	# 97
38) BROMOCHLOROMETHANE	3.976	49	26007	12.37	UG/L	96
39) TETRAHYDROFURAN	4.060	42	10310	9.91	UG/L	# 89
40) CHLOROFORM	4.068	83	48975	11.64	UG/L	98
41) 1,1,1-TRICHLOROETHANE	4.238	97	38638	11.02	UG/L	97
42) CYCLOHEXANE	4.289	56	43488	11.08	UG/L	91
43) CARBON TETRACHLORIDE	4.400	117	23996	8.19	UG/L	96
44) 1,1-DICHLOROPROPENE	4.406	75	33120	10.91	UG/L	99
45) BENZENE	4.612	78	101464	10.98	UG/L	98
48) T-AMYL METHYL ETHER	4.754	73	53452	7.35	UG/L	# 92
51) 1,2-DICHLOROETHANE	4.634	62	35513	10.91	UG/L	99
52) TRICHLOROETHENE	5.251	95	25383	12.04	UG/L	95
53) METHYLCYCLOHEXANE	5.432	83	28138	11.17	UG/L	95
54) 1,2-DICHLOROPROPANE	5.474	63	25979	11.14	UG/L	96

Data Path : C:\msdchem\1\data\C090424\
 Data File : C24V24826.D
 Acq On : 4 Sep 2024 7:05 pm
 Operator :
 Sample : 24H4216-01 @ MSD
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Inst : GCMSVOA3

Quant Time: Sep 05 05:40:48 2024
 Quant Method : C:\msdchem\1\methods\C080822.M
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
 QLast Update : Wed Jan 10 12:13:53 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
56) DIBROMOMETHANE	5.580	93	16502	10.85	UG/L	97
58) 1,4-DIOXANE	5.638	88	2641	73.32	UG/L #	69
59) BROMODICHLOROMETHANE	5.744	83	31278	10.43	UG/L	99
61) MIBK	6.366	43	239763	76.60	UG/L	97
62) CIS-1,3-DICHLOROPROPENE	6.188	75	31756	8.81	UG/L	100
63) TOLUENE	6.506	91	102807	11.30	UG/L	97
64) TRANS-1,3,-DICHLOROPRO...	6.731	75	26034	8.38	UG/L	96
66) 1,1,2-TRICHLOROETHANE	6.904	97	24231	11.38	UG/L	97
67) 2-HEXANONE	7.178	43	134908	62.33	UG/L	97
68) TETRACHLOROETHENE	7.033	166	25703	12.02	UG/L	99
69) 1,3-DICHLOROPROPANE	7.063	76	38750	10.23	UG/L	96
70) DIBROMOCHLOROMETHANE	7.278	129	24637	9.62	UG/L	99
71) 1,2-DIBROMOETHANE	7.381	107	24755	10.87	UG/L	97
74) CHLOROBENZENE	7.866	112	61671	11.13	UG/L	95
75) 1,1,1,2-TETRACHLOROETHANE	7.947	131	24026	11.70	UG/L	97
76) ETHYLBENZENE	7.986	91	93479	10.43	UG/L	96
77) M/P-XYLENES	8.101	91	140547	20.09	UG/L	100
78) O-XYLENE	8.485	91	69251	9.41	UG/L	97
79) STYRENE	8.502	104	46865	7.92	UG/L	94
80) BROMOFORM	8.667	173	14889	8.09	UG/L	99
81) ISOPROPYLBENZENE	8.854	105	76853	9.13	UG/L	99
83) 1,1,2,2-TETRACHLOROETHANE	9.152	83	32245	10.00	UG/L	95
84) 1,4-DICHLORO-2-BUTENE(...	9.208	53	3168	3.76	UG/L #	86
85) BROMOBENZENE	9.132	77	35519	9.67	UG/L	98
86) 1,2,3-TRICHLOROPROPANE	9.185	75	26585	10.05	UG/L	97
87) N-PROPYLBENZENE	9.261	91	82564	8.77	UG/L	100
88) 2-CHLOROTOLUENE	9.330	91	58502	9.53	UG/L	98
89) 1,3,5-TRIMETHYLBENZENE	9.439	105	65239	9.45	UG/L	97
90) 4-CHLOROTOLUENE	9.442	91	64058	9.18	UG/L	99
92) TERT-BUTYLBENZENE	9.760	119	49622	9.69	UG/L	95
93) 1,2,4-TRIMETHYLBENZENE	9.807	105	62415	9.91	UG/L	91
94) SEC-BUTYLBENZENE	9.977	105	66066	9.67	UG/L	99
95) 1,3-DICHLOROBENZENE	10.069	146	40026	10.52	UG/L	99
96) P-ISOPROPYLTOLUENE	10.128	119	54895	9.35	UG/L	97
97) 1,4-DICHLOROBENZENE	10.161	146	41976	10.36	UG/L	97
98) 1,2,3-TRIMETHYLBENZENE	10.220	105	70414	10.09	UG/L #	100
99) N-BUTYLBENZENE	10.530	91	38089	7.71	UG/L	92
100) 1,2-DICHLOROBENZENE	10.521	146	41350	10.69	UG/L	99
101) 1,2-DIBROMO-3-CHLOROPR...	11.296	75	4294	8.17	UG/L	88
102) 1,3,5-TRICHLOROBENZENE	11.511	180	21666	9.17	UG/L	98
103) 1,2,4-TRICHLOROBENZENE	12.130	180	11531	5.33	UG/L	98
104) HEXACHLOROBUTADIENE	12.300	225	11191	12.30	UG/L	96
105) NAPHTHALENE	12.370	128	19963	3.08	UG/L	98
106) 1,2,3-TRICHLOROBENZENE	12.604	180	12891	6.09	UG/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Inst : GCMSV0A3

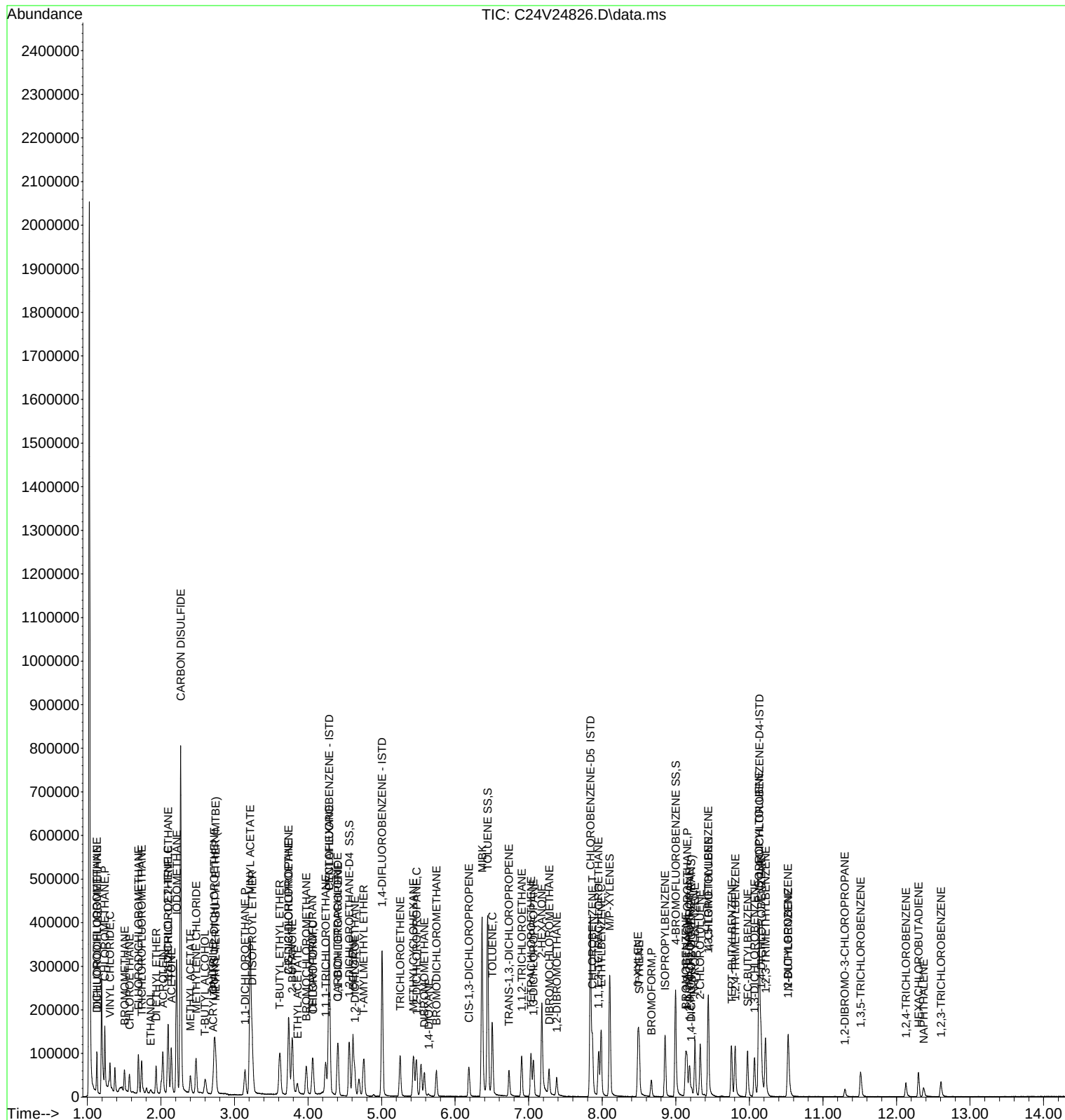
Quant Time: Sep 05 05:40:48 2024

Quant Method : C:\msdchem\1\methods\C080822.M

Quant Title : 8260 WATER 5MLS VOAMS 5973 #3

QLast Update : Wed Jan 10 12:13:53 2024

Response via : Initial Calibration



B384838

CON-TEST ANALYTICAL LABORATORY

Printed: 9/5/2024 3:11:13PM

Matrix: Water				Prepared using: VOC - SW-846 5030B					Surrogate used: 24G1215			
Lab Number	Sample Name	Sample ID Verified (Signature)	Analysis	Due Date	TAT	Initial (mL)	Final (mL)	Spike ID	Source ID	uL Spike	Location	Extraction Comments
24H4216-01	645013-MW-301-201		8260 DER TCL	09/16/24 14:00	10	5	5				Refrigerator 45-2G	CAT B - Report to MDL
24H4216-02	645013-MW-302-201		8260 DER TCL	09/16/24 14:00	10	5	5				Refrigerator 45-2G	CAT B - Report to MDL
24H4216-03	645013-MW-303-201		8260 DER TCL	09/16/24 14:00	10	5	5				Refrigerator 45-2G	CAT B - Report to MDL
24H4216-04	645013-MW-102A-2		8260 DER TCL	09/16/24 14:00	10	5	5				Refrigerator 45-2G	CAT B - Report to MDL
24H4216-05	645013-MW-102B-2		8260 DER TCL	09/16/24 14:00	10	5	5				Refrigerator 45-2G	CAT B - Report to MDL
24H4216-06	645013-FD-01-2024		8260 DER TCL	09/16/24 14:00	10	5	5				Refrigerator 45-2G	CAT B - Report to MDL
24H4216-07	645013-TB		8260 DER TCL	09/16/24 14:00	10	5	5				Refrigerator 45-2G	CAT B - Report to MDL
24H4391-01	TB-082924		8260 DER TCL	09/23/24 14:00	15	5	5				Refrigerator 45-2E	CAT B - Rpt to MDL
24H4391-02	HP-MW6-GW-082824		8260 DER TCL	09/23/24 14:00	15	5	5				Refrigerator 45-2E	CAT B - Rpt to MDL
24H4391-03	HP-GW-082824EB-1		8260 DER TCL	09/23/24 14:00	15	5	5				Refrigerator 45-2E	CAT B - Rpt to MDL
24H4391-04	HP-BMW5-082824		8260 DER TCL	09/23/24 14:00	15	5	5				Refrigerator 45-2E	CAT B - Rpt to MDL
24H4391-05	HP-BR6BA-GW-0824		8260 DER TCL	09/23/24 14:00	15	5	5				Refrigerator 45-2E	CAT B - Rpt to MDL
24H4391-06	HP-BRSCA-GW-0824		8260 DER TCL	09/23/24 14:00	15	5	5				Refrigerator 45-2E	CAT B - Rpt to MDL
24H4391-07	HP-GW-082924EB-1		8260 DER TCL	09/23/24 14:00	15	5	5				Refrigerator 45-2E	CAT B - Rpt to MDL
24H4391-08	HP-OB6-GW-082924		8260 DER TCL	09/23/24 14:00	15	5	5				Refrigerator 45-2E	CAT B - Rpt to MDL
24H4391-09	HP-BMW4-GW-0824		8260 DER TCL	09/23/24 14:00	15	5	5				Refrigerator 45-2E	CAT B - Rpt to MDL
B384838-BLK1	Blank		QC			5	5					
B384838-BS1	LCS		QC			5	5	24I0003		5		
B384838-BSD1	LCS Dup		QC			5	5	24I0003		5		
B384838-MS1	Matrix Spike		QC			5	5	24I0003	24H4216-01	5		
B384838-MSD1	Matrix Spike Dup		QC			5	5	24I0003	24H4216-01	5		

9/4/24#3 1ST

C:\msdchem\1\data\C090424\

Date			Filename	Lab ID	Sample Info
4 Sep 2024	7:58	am	C24V24801.D	PRIME	
4 Sep 2024	8:25	am	C24V24802.D	BFB	
4 Sep 2024	8:51	am	C24V24803.D	8260 STD 10PPB 24H0680	pH<2
4 Sep 2024	9:18	am	C24V24804.D	B0BS1	Except:
4 Sep 2024	9:45	am	C24V24805.D	B0BSD1	24H4400-11 pH 3
4 Sep 2024	10:11	am	C24V24806.D	BLK	
4 Sep 2024	10:38	am	C24V24807.D	BLK	
4 Sep 2024	11:05	am	C24V24808.D	B0BLK1	
4 Sep 2024	11:32	am	C24V24809.D	24H4216-07	
4 Sep 2024	11:58	am	C24V24810.D	24H4391-01	
4 Sep 2024	12:25	pm	C24V24811.D	24H4216-01	
4 Sep 2024	12:52	pm	C24V24812.D	24H4216-02	
4 Sep 2024	1:19	pm	C24V24813.D	24H4216-03	
4 Sep 2024	1:45	pm	C24V24814.D	24H4216-04	
4 Sep 2024	2:12	pm	C24V24815.D	24H4216-05	
4 Sep 2024	2:39	pm	C24V24816.D	24H4216-06	
4 Sep 2024	3:05	pm	C24V24817.D	24H4391-03	
4 Sep 2024	3:32	pm	C24V24818.D	24H4391-04	
4 Sep 2024	3:59	pm	C24V24819.D	24H4391-05	
4 Sep 2024	4:25	pm	C24V24820.D	24H4391-06	
4 Sep 2024	4:52	pm	C24V24821.D	24H4391-07	
4 Sep 2024	5:19	pm	C24V24822.D	24H4391-02 @ 50X	50
4 Sep 2024	5:45	pm	C24V24823.D	24H4391-08 @ 50X	50
4 Sep 2024	6:12	pm	C24V24824.D	24H4391-09 @ 100X	100
4 Sep 2024	6:39	pm	C24V24825.D	24H4216-01 @ MS	
4 Sep 2024	7:05	pm	C24V24826.D	24H4216-01 @ MSD	
4 Sep 2024	7:32	pm	C24V24827.D	PRIME	
4 Sep 2024	7:58	pm	C24V24828.D	BFB/8260STD 10PPB 24H0680	
4 Sep 2024	8:25	pm	C24V24829.D	B0BS1@ RCP	
4 Sep 2024	8:52	pm	C24V24830.D	B0-BS1	
4 Sep 2024	9:18	pm	C24V24831.D	B0-BSD1	
4 Sep 2024	9:45	pm	C24V24832.D	BLK	
4 Sep 2024	10:12	pm	C24V24833.D	BLK	
4 Sep 2024	10:38	pm	C24V24834.D	B0-BLK1	
4 Sep 2024	11:05	pm	C24V24835.D	24H4400-01	
4 Sep 2024	11:32	pm	C24V24836.D	24H4400-02	
4 Sep 2024	11:58	pm	C24V24837.D	24H4400-05	
5 Sep 2024	12:25	am	C24V24838.D	24H4400-08 @ 2X F	2
5 Sep 2024	12:52	am	C24V24839.D	24H4400-10 @ 2X SULF	2
5 Sep 2024	1:19	am	C24V24840.D	24H4400-06 @ 2X F	2
5 Sep 2024	1:45	am	C24V24841.D	24H4317-01	
5 Sep 2024	2:12	am	C24V24842.D	24H4317-02	
5 Sep 2024	2:39	am	C24V24843.D	24H4317-03	
5 Sep 2024	3:05	am	C24V24844.D	24H4317-04	
5 Sep 2024	3:32	am	C24V24845.D	24H4400-11 @ 5X	5
5 Sep 2024	3:59	am	C24V24846.D	24H4400-12 @ 2X	2
5 Sep 2024	4:25	am	C24V24847.D	24H4400-03 @ 4X	4
5 Sep 2024	4:52	am	C24V24848.D	24H4400-04 @ 10X	10
5 Sep 2024	5:19	am	C24V24849.D	24H4400-07 @ 4X	4
5 Sep 2024	5:45	am	C24V24850.D	24H4400-09 @ 40X	40