# PERIODIC REVIEW REPORT

# 275 FRANKLIN STREET SITE (BCP SITE NO. C915208)
# AND
# 432 PEARL STREET SITE (BCP SITE NO. C915237)

# BUFFALO, NEW YORK

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Prepared for:

**BUFFALO DEVELOPMENT CORPORATION**

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# 1.0 INTRODUCTION

Benchmark Civil/Environmental Engineering & Geology, PLLC (Benchmark) has prepared this Periodic Review Report (PRR) to summarize the post-remedial status of New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP) Site Nos. C915208 and C915237 located in the City of Buffalo, Erie County, New York.

This PRR has been prepared for the subject BCP Sites in accordance with NYSDEC DER-10 Technical Guidance for Site Investigation and Remediation (Ref 1). Appendix A includes the Institutional and Engineering Control (IC/EC) Certification Forms completed based on the Site inspection performed April 13, 2023.

This PRR and associated certifications have been completed on behalf of the BCP Site owner, Buffalo Development Corporation (BDC), to document post-remedial activities covered by the Site Management Plan (SMP; Ref. 2). The post-remedial period covered by this PRR is April 27, 2022 to April 27, 2023 for both the 275 Franklin Street Site and 432 Pearl Street Site.

## 1.1 Site Background

In October 2006, BDC entered into a Brownfield Cleanup Agreement (BCA) with NYSDEC to investigate and remediate 275-277 Franklin Street and 279 Franklin Street, an approximate 0.27-acre property located in Buffalo, New York. Later, 267 Franklin Street and 432 Pearl Street, approximately 0.7 acres combined, were incorporated into the "432 Pearl Street Site" under BCP Site Number C915237. Both properties are in the County of Erie, New York and encompasses tax parcel numbers 111.38-2-22, 111.38-2-23, 111.38-2-20.1, and 111.38-2-4.1 per Erie County Tax Map records. The Sites are bounded by a restaurant and surface parking lot to the north, Pearl Street to the east, a mixed-use building to the south, and Franklin Street to the west (see Figures 1 and 2).

The BCP Sites were remediated to NYSDEC Part 375 Track 4 restricted-residential soil cleanup objectives (RRSCOs). NYSDEC accepted the 2021/2022 PRR on July 13, 2022 but requested a Work Plan to address supplemental measures to treat cVOCs in groundwater. Since BDC was looking for development partners for the BCP Site, a call to discuss postponement of this submittal was requested. On August 3, 2022, BDC, Benchmark, and NYSDEC discussed the potential development during a WebEx meeting in which BDC

requested a one-year reprieve from submitting the Work Plan to address supplemental measures to treat cVOCs in groundwater. Future development will likely involve significant excavation and potential removal of contaminated soil/fill. NYSDEC agreed to this extension and BDC agreed to provide development status by August 1, 2023.

## 1.2 Summary of Historical Investigation Findings

### *1.2.1 Preliminary Investigations*

In September 2004, a Limited Environmental Investigation was performed at 275-277 Franklin Street by Nature's Way Environmental Consultants & Contractors, Inc. The results of that investigation indicated that the 275 Franklin Street Site soils and groundwater were impacted by tetrachloroethene (PCE), a chlorinated volatile organic compound (cVOC) typically associated with dry cleaning operations.

In March-June 2006, Benchmark performed a Preliminary Site Investigation at the BCP Sites. The Preliminary Site Investigation was performed to assess soil/fill materials and soil vapor on-site, and to ascertain if subsurface environmental conditions on these parcels were likely to impact redevelopment of the BCP Sites. The results of the investigation indicated that the 275 Franklin Street Site soils had been impacted by semi-volatile organic compounds (SVOCs), mercury, and lead. In addition, soil vapor samples collected from both BCP Sites contained elevated concentrations of cVOCs. Field screening of soil samples using a photoionization detector (PID) did not indicate VOC concentrations above background concentration

### *1.2.2 Remedial Investigation (RI)*

RI activities were completed in November 2006, December 2006, and January 2007 for both BCP Sites. The following analytical results were obtained during the RI:

**Soil/Fill**

- Concentrations of pesticides, PCBs, and metals in subsurface soil were below Part 375 RRSCOs on the 275 Franklin Street Site.
- Concentrations of PCE were detected above RRSCOs on the 275 Franklin Street Site with the highest concentration (2,200 mg/kg) in the 8- to 10-foot interval in boring MW-6 during the April 2008 sampling event.

- Concentrations of VOCs, pesticides, and PCBs in subsurface soil were below Part 375 RRSCOs on the 432 Pearl Street Site.
- Concentrations of lead and mercury were detected slightly above their respective RRSCOs at one sample location on the 432 Pearl Street Site.
- PAHs, including benzo(a)anthracene, benzo(b)fluoranthene, benzo(k)pyrene, benzo(a)pyrene, chrysene, dibenz(a,h)anthracene, and indeno(1,2,3-cd)pyrene were detected in subsurface soil above RRSCOs at one or two sample locations on the 432 Pearl Street Site.
- Soil samples collected by the NYSDEC and analyzed for VOCs during their 2009 Off-Site Investigation did not contain VOCs above Part 375 Unrestricted SCOs (USCOs).

**Groundwater**

- Total inorganic compound (arsenic, chromium, copper, iron, lead, manganese, and/or sodium) concentrations exceeded NYSDEC Class GA groundwater quality standards/guidance values (GWQS/GVs) at sample locations PZ-5, PZ-6, MW-1, and/or MW-2. These compounds either slightly exceeded their respective GWQS/GVs and/or are naturally occurring minerals.
- PAHs were detected only in MW-2 (and/or its blind duplicate) at estimated concentrations that exceeded their respective Class GA GWQSs/GVs.
- cVOCs are the primary contaminants of concern in shallow groundwater with PCE and/or its chemical breakdown products, trichloroethene (TCE) and cis-1,2-dichloroethene (DCE), detected above GWQS/GVs on both BCP Sites and off-site.
- The highest cVOCs concentrations were generally observed in the shallow groundwater near the former drycleaner on 275 Franklin Street Site and immediately downgradient on the 267 Franklin Street parcel, which is on the 432 Pearl Street Site.
- Deep groundwater across both BCP Sites contains low (residual) concentrations of cVOCs.

**Soil Vapor Intrusion**

- Soil vapor concentrations at the 432 Pearl Street Site ranged from non-detect to 140 ug/$m^3$ (PCE). Soil vapor results from the 275 Franklin Street Site reported PCE (14,000 ug/$m^3$), TCE (70 ug/$m^3$), and 1,1,1-trichloroethane (71 ug/$m^3$) concentrations among other constituents.
- Soil vapor samples collected from the 267 Franklin Street apartment building (part of the 432 Pearl Street Site) by NYSDEC exceeded NYSDOH air matrix criteria,

indicating the need for on-site sub-slab soil vapor mitigation to minimize current exposure.

- Soil vapor samples collected from 265 Franklin Street (off-site) did not exceed the NYSDOH air matrix criteria.

## 1.3 Compliance

At the time of the annual Site inspection (4/13/2023), the Site was fully compliant with the NYSDEC-approved SMP (Ref 2).

## 1.4 Recommendations

Based on observations recorded during the Site inspection and IC/EC certification, no modifications are recommended for these Sites.

# 2.0 SITE OVERVIEW

All remediated parcels included in the 275 Franklin Street Site and 432 Pearl Street Site are subject to a comprehensive, site-wide SMP that identifies requirements for monitoring and maintenance of IC/ECs and procedures for post-remedial excavation and related activities. Final remedial activities undertaken at both Sites are described below.

## 2.1 Summary of Remedial Actions

Benchmark Civil/Environmental Engineering & Geology, PLLC in association with TurnKey Environmental Restoration, LLC (Benchmark-TurnKey) was retained by BDC to serve as the design-builder and Engineer of Record for the BCP activities with oversight provided by the NYSDEC.

### *2.1.1 Interim Remedial Measures (IRMs)*

On July 1, 2008, the NYSDEC approved the IRM Work Plan (Ref. 3) prepared by Benchmark to identify the scope of the planned remedial measures for the 275 Franklin Street Site. Remedial measures were implemented from summer 2008 through fall 2009. The NYSDEC Division of Environmental Remediation monitored the remedial actions to verify the work was performed in accordance with the BCA, the approved IRM Work Plan, and DER-10 (Ref. 1). IRMs were implemented on behalf of BDC to promptly address on-site soil and groundwater on the 275 Franklin Street Site impacted by cVOCs to immediately mitigate public health and environmental concerns.

**Soil Vapor Extraction System**

A soil vapor extraction (SVE) system was installed on the 275 Franklin Street Site and operated continuously from December 8, 2008 until February 2009 when it was temporarily shut-down due to winter weather. The system was restarted on March 11, 2009 and ran continuously through September 2009. Post-IRM soil samples collected on September 17, 2009 were compared to pre-IRM data from April 2008 and Part 375 RRSCOs. The February 2009 data show significant reductions of cVOCs in unsaturated soils to well below RRSCOs and below unrestricted SCOs (USCOs). Toxicity Characteristic Leaching Procedure (TCLP) analysis also verified that these remediated soils were not characteristically hazardous.

**In-Situ Groundwater Treatment**

In August 2008, in-situ enhanced bioremediation of cVOCs in groundwater was performed via injection of hydrogen release compound (HRC) into 14 delivery points at 275-277 Franklin and 21 delivery points at 279 Franklin. Following HRC injection, a groundwater sampling program, consisting of eight monitoring events conducted between October 2008 and June 2012, was implemented to evaluate the effectiveness of the in-situ groundwater treatment program. The data generally showed lower trending residual concentrations of total cVOCs in monitoring wells on both BCP Sites except for shallow well MW-5 (located on the 275 Franklin Street Site), which contained relatively high residual cVOC concentrations.

**Active Sub-Slab Depressurization System**

Although not part of the IRM Work Plan, the NYSDEC installed an active sub-slab depressurization (ASD) system within the 267 Franklin Street apartment building (on the 432 Pearl Street Site) prior to BDC's ownership of that parcel. Malcolm Pirnie, Inc. performed initial communication testing of the sub-slab to evaluate the number of extraction points and type of exhaust fans required to optimize the systems performance under the specific Site conditions. The communication testing and system installation is detailed in the Immediate Investigation Work Assignment Summary Report, 275 Franklin Street Site, Buffalo, NY prepared by Malcolm Pirnie, Inc. in December 2009 for the NYSDEC (Ref. 4). Two separate ASD systems (one on the south side and one on the north side) were designed and installed by Mitigation Tech under contract to Malcolm Pirnie, Inc.:

- Each system is made up of a network of 3-inch and 4-inch diameter PVC piping that provides multiple suction points below the concrete basement floor. The systems provide continuous vacuum in the sub-slab through operation of in-line fans mounted at the end of the system above the roof line.
- System 1 has five suction points and two RadonAway RP-265 series centrifugal in-line fans. System 2 has three suction points and one RadonAway GP-501 series centrifugal in-line fan. U-tube monometers for each system are installed on vertical risers to provide evidence and measurement of system vacuum. Figure 4 shows the layout of the ASD system.
- Malcolm Pirnie performed pre-ASD system installation air sampling events in May and October 2008, and the system began operation in December 2008. Post-ASD system activation air sampling events were performed in February and September 2009. Following installation of the vapor mitigation system, measured

concentrations of TCE and PCE were significantly reduced. Where detected in the September 2009 indoor air samples, TCE and PCE concentrations were well below the recommended DOH action levels.

The ASD is maintained and monitored in accordance with the NYSDEC-approved SMP. In the summer 2015, BDC replaced (in kind) the RadonAway GP-501 Series centrifugal in-line fan.

### *2.1.2 Final Remedial Actions*

In April 2010, BDC submitted a RI/AA/IRM Report (Ref. 5) to NYSDEC that summarized the RI, supplemental remedial activities, and the IRM completed in 2008-2009. NYSDEC provided a comment letter to that report in February 2011 that, amongst other items, required additional groundwater remedial measures beyond the proposed in-situ HRC injections in the vicinity of MW-5 "source area" on the 275 Franklin Street Site to mitigate off-site migration of cVOCs.

The Revised RI/AA/IRM Report was submitted in January 2013. NYSDEC provided additional comments in July 2013 and prepared draft Proposed Decision Documents for each BCP Site. The final RI/AA/IRM Report was submitted to NYSDEC in July 2013 and approved September 30, 2013.

The following is a summary of the Remedial Actions performed at the BCP Sites:

1. Maintenance of the existing cover system to allow for continued commercial use of the Site.
2. Injection of a solution, zero valent iron (ZVI) and nutrients, into Site groundwater in April 2014 to enhance both abiotic and biological reductive processes.
3. Injection of a chemical oxidant into Site groundwater and saturated "smear zone" interval in March and April 2016 to destroy organic contaminants (Ref. 6).
4. Excavation of source area soil/fill in December 2016 with application of a chemical oxidant to excavation bottom to address residual impact prior to backfilling (Ref. 7). The area was backfilled with clean overburden soil followed by demarcation fabric then clean imported sand and stone. The asphalt cover system was reinstalled to match surrounding grade.
5. Execution of recording of an Environmental Easement to restrict groundwater and land use and prevent future exposure to any contamination remaining at the Site.
6. Development and implementation of a Site Management Plan for long term management of remaining contamination as required by the Environmental

Easement, which includes plans for: (1) Institutional and Engineering Controls, (2) monitoring, (3) operation and maintenance and (4) reporting.

These additional final remedial actions were completed at the Site from April 2014 to December 2016; the asphalt repair was completed in September 2017. The remedial program was successful in achieving the remedial objectives for the Sites and are described in more detail in the NYSDEC-approved October 2017 Final Engineering Report (FER; Ref. 8). NYSDEC issued Certificates of Completion (COCs) for 275 Franklin Street Site on December 27, 2017 and 432 Pearl Street Site on December 28, 2017.

# 3.0 REMEDY PERFORMANCE

A post-remedial Site inspection involving a walk-over of both BCP Sites was performed on April 13, 2023 by Ms. Lori Riker, P.E. of Benchmark to visually observe and document the use of the Site for restricted-residential use, confirm absence of Site groundwater use, inspect the integrity of the cover system, confirm ASD system operation, and verify conformance with other requirements under the SMP. The Site inspection confirmed that the controls are in-place and functioning as intended in accordance with the SMP.

Appendix A includes the completed IC/EC Certification forms. Appendix B includes photographs taken during the April 13, 2023 inspection.

# 4.0 SITE MANAGEMENT PLAN

A site-wide SMP was prepared for the 275 Franklin Street and 432 Pearl Street Sites in July 2017 and approved by NYSDEC. Key components of the SMP are described below.

## 4.1 Institutional and Engineering Control (IC/EC) Plan

Since remaining contaminated soil/fill and groundwater exists beneath both 275 Franklin Street and 432 Pearl Street Sites, IC/ECs are required to protect public health and the environment. The IC/EC Plan describes the procedures for the implementation and management of all IC/ECs on the Sites.

### *4.1.1 Institutional Controls*

The following institutional controls apply to both Sites:

- The property may only be used for restricted-residential or commercial use provided that the long-term IC/ECs included in the SMP are employed.
- The property may not be used for a higher level of use, such as unrestricted and residential use, without additional remediation and amendment of the Environmental Easements, 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 groundwater underlying the property as a source of potable or process water is prohibited without necessary water quality treatment, as determined by the NYSDOH or County DOH, rendering it safe for intended use.
- The potential for vapor intrusion must be evaluated for any new buildings developed on the property, and any potential impacts that are identified must be monitored or mitigated.
- Compliance with the Operation & Maintenance Plan, included as Section 4 of the SMP (Ref. 2), for the maintenance and monitoring of the existing vapor intrusion ASD system within the 14-unit apartment building at 267 Franklin Street.
- Vegetable gardens and farming on the BCP Sites are prohibited.
- The Site owner or remedial party will submit to 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 such Controlled Property at any time to evaluate the continued maintenance of 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.

### *4.1.2 Engineering Controls*

Engineering controls include:

- Cover System (both Sites): The cover system, including building foundations, concrete sidewalks, concrete or asphalt driveways, parking areas, and landscaped vegetated areas, must be maintained in compliance with the SMP.
- In-Situ Plume Reduction: On the 275-277 Franklin Street property, PersulfOx was added to the base of the 2016 excavation to address residual groundwater contamination in-situ.
- Vapor Intrusion Mitigation: Requires placement of a vapor barrier beneath newly installed building concrete floor slabs for both Sites and continued operation of the ASD system installed within the 267 Franklin Street apartment building (on the 432 Pearl Street Site).

At the time of the Site inspection, the Sites covered by this PRR were fully compliant with all IC/EC requirements except for minor repair needed on the cover system as discussed in Section 4.3.

## 4.2 Excavation Work Plan

An Excavation Work Plan (EWP) was included in Appendix B of the approved SMP. The EWP provides guidelines for the management of soil/fill material during any future intrusive activities. Any intrusive work that will penetrate the cover system, or encounter or disturb the remaining contamination, including any modifications or repairs to the existing cover system, must be performed in compliance with the EWP and conducted in accordance with a site-specific Health and Safety Plan (HASP) and Community Air Monitoring Plan (CAMP) included with the SMP.

There were no intrusive activities requiring management of on-site soil or fill material, placement of backfill materials, or disturbance of the cover system during the monitoring period. No repairs to the cover system were required during the reporting period.

## 4.3 Reporting Period Site Work

On July 8, 2022, Benchmark inspected the asphalt cover system on both Sites. Several compromised asphalt cover areas were noted and BDC was directed to patch them as soon as possible. BDC patched and sealed these asphalt cover system areas on August 24, 2022. The PVC well cap at piezometer PZ-7 was replaced in August 2022. There were no intrusive activities requiring management of on-site soil or fill material, placement of backfill materials, or disturbance of the cover system during the reporting period.

## 4.4 Annual Inspection and Certification Program

The Annual Inspection and Certification Program outlines requirements for certifying and attesting that the IC/ECs employed on the Sites are unchanged from the original design and/or previous certification. The Annual Certification includes a Site inspection and completion of the NYSDEC's IC/EC Certification Form. The Site inspection is intended to verify that the IC/ECs:

- Are in place and effective.
- Are performing as designed.
- That nothing has occurred that would impair the ability of the controls to protect the public health and environment.
- That nothing has occurred that would constitute a violation or failure to comply with any operation and maintenance plan for such controls.
- Access is available to the Site to evaluate continued maintenance of such controls.

Inspection of 275 Franklin Street Site and 432 Pearl Street Site was conducted by Ms. Lori Riker, P.E. of Benchmark on April 13, 2023. Ms. Riker is a licensed and registered NY State Professional Engineer, which meets the requirements of a Qualified Environmental Professional (QEP) per 6NYCRR Part 375.12. At the time of the inspection, no new redevelopment activities were noted on either the 275 Franklin Street or 432 Pearl Street Sites. There are currently no tenants living in the 267 Franklin Street apartment building. The asphalt cover present on both Sites was intact and functioning as intended. No observable indication of intrusive activities was noted during the Site inspection.

Appendix A includes the completed Site Management PRR Notice – Institutional and Engineering Controls Certification Forms. Appendix B includes a PRR photo log.

## 4.5 Operation, Monitoring and Maintenance Plan

The Operation, Monitoring and Maintenance (OM&M) Plan describes the measures necessary to operate, monitor, and maintain the mechanical components of the remedy selected for the Site and is more fully described in Section 4.0 of the SMP.

Information on non-mechanical Engineering Controls (i.e., cover system) is provided in Section 4.1 of this PRR.

### *4.5.1 Sub-Slab Depressurization System*

The ASD system manometers and roof-top fans were inspected by Ms. Lori Riker, P.E. of Benchmark on April 13, 2023. The vacuum readings (in $H_2O$) from each systems' u-tube manometers at the time of the inspection were 1.3 inches of water column (w.c.) at ASD System #1 and 1.2 inches of w.c. at ASD System #2. Initial vacuum pressure at the time of installation was 2.25 w.c. for System #1 and 1 w.c. for System #2. Between 2019 and present, the measured vacuums have ranged from 1.3 to 1.5 w.c. for System #1 and 0.5 to 1.2 w.c. for System #2. At the time of the inspection, readings confirmed adequate depressurization and fans were operating as designed. Monthly ASD system readings recorded by the apartment building maintenance manager confirm both systems continue to operate as designed. Appendix C includes the ASD logs for Systems #1 and #2.

Figure 4 provides a layout of the system depicting the piping, fan locations, and extraction points. ASD system installation and manual information is included in Appendix H of the SMP (Ref. 2).

# 5.0 GROUNDWATER MONITORING

Groundwater monitoring events were completed in general accordance with the SMP. Sampling of piezometers PZ-4R, PZ-5, PZ-6, PZ-11, PZ-12, PZ-13, PZ-14, and monitoring wells MW-5R, MW-23S, MW-24S and MW-24D was completed on November 10, 2022 and April 4, 2023.

Post-remedial groundwater and performance monitoring consisted of collecting groundwater samples using low-flow sampling procedures per Benchmark's Field Operating Procedure (FOP) contained in Appendix E of the SMP. Table 1 summarizes the monitoring well and piezometer construction details. Table 2 provides groundwater elevation data between October 2008 and April 2023. Figures 5 and 6 present the groundwater isopotential maps for the November 2022 and April 2023 sampling events. Groundwater flow is consistent with previous figures, flowing southwest across the Sites. Figures 7 and 8 present the isoconcentration maps for total cVOCs using the November 2022 and April 2023 groundwater data.

Groundwater samples from each of the sampled wells/piezometers were analyzed for TCL VOCs per USEPA Method 8260. Field parameters including pH, temperature, specific conductance, turbidity, dissolved oxygen, and oxidation-reduction potential were also collected. Groundwater samples were submitted under chain-of-custody command to Alpha Analytical, a NYSDOH ELAP laboratory, for analysis. Appendix D includes the laboratory analytical data packages and field notes. The November 2022 and April 2023 groundwater data were submitted to the NYSDEC EQuIS database on April 28, 2023 and was approved on May 8, 2023.

Table 3 summarizes analytical data from recent as well as historic groundwater monitoring events with comparison to Class GA GWQS/GVs as listed in NYSDEC Division of Water Technical and Operational Guidance Series (TOGS) (1.1.1). Table 4 summarizes VOC analytical data and GWQS exceedances at wells/piezometers following the excavation completed in 2016. Benchmark has performed 12 groundwater sampling events at four monitoring wells and seven piezometers since the 2016 remedial excavation. On-site and off-site groundwater quality results are discussed below.

**On-Site Groundwater Quality:**

Results indicate an overall decreasing trend in cVOC (specifically cis-1,2-DCE, PCE and TCE) concentrations at most of the monitoring locations. Monitoring well MW-5R (former source area well) concentrations continue to show a 99% reduction in both total cVOCs and PCE concentrations between the pre- and post-excavation sampling. The November 2022 and April 2023 sampling events are summarized below with a comparison to historic post-excavation sampling results (see Table 4):

- PCE was detected above its GWQS at all monitored locations with concentrations ranging between 41 and 2,800 ppb. An overall concentration decrease was observed at all piezometers over the 12 post-excavation sampling events except for PZ-12 and PZ-14. PCE concentration in PZ-12 rebounded to 2,800 ppb in April 2023 and have been gradually increasing in PZ-14 since November 2019. PCE concentrations in piezometers PZ-11 and well MW-5R have fluctuated but are generally lower than previous post-excavation groundwater monitoring results.
- TCE was detected above its GWQS at piezometers PZ-4R, PZ-11, PZ-12, PZ-13, and PZ-14, with concentrations ranging from 5.2 to 37 ppb. The TCE concentrations at well MW-5R were 65 and 140 ppb, which are lower than recent results.
- Cis-1,2-DCE was detected above the GWQS at piezometers PZ-4R, PZ-11, PZ-13, and PZ-14, with concentrations ranging from 7.5 to 320 ppb. The cis-1,2-DCE concentrations at well MW-5R were 160 and 200 ppb, which are lower than 2020-2022 concentrations.
- Vinyl chloride (VC) was only detected in piezometers PZ-13 (18 ppb in November 2022 and 3.7 ppb in April 2023) and PZ-14 (9.6 ppb in November 2022 and 1.4 ppb in April 2023). Over the 12 post-excavation sampling events, a general concentration decrease was observed at piezometers PZ-13 and PZ-14.

**Off-Site Groundwater Quality:**

Off-site monitoring wells include MW-23S, MW-24S, and MW-24D (sampled by Benchmark), and MW-23D, MW-25S, MW-26S, and MW-27S (sampled by NYSDEC's subcontracted consultant GES). Total cVOC concentrations in well MW-23S continue to fluctuate but remain below 1,000 ppb. The PCE concentration at well MW-24S rebounded to 4,200 ppb in November 2022 but dropped to 640 ppb in April 2023. Total cVOC concentrations in well MW-25S remained below 1,000 ppb during the November 2022 and April 2023 sampling events. Total cVOC concentrations at well MW-26S decreased in April 2023 to the lowest concentration (348 ppb) at this location and both sampling event results

remain below 1,000 ppb. In well MW-27S, PCE was the only cVOC observed exceeding its GWQS during the November 2022 event and there were no GWQS exceedances during the April 2023 event. Total cVOC concentrations in well MW-27S were 10.7 ppb in November 2022 and 6.5 ppb in April 2023.

cVOC concentrations in deep well MW-23D were well below GWQSs except for PCE detected at 500 ppb during the November 2022 sampling event. Based on the discrepancy in total depth measurement and analytical results, Benchmark in consultation with NYSDEC believe GES incorrectly gauged and sampled well MW-23S instead of MW-23D during the November 2022 sampling event. Total cVOC concentrations in deep well MW-24D have consistently decreased since the April 2021 event, with the lowest observed result since November 2018 of 191 ppb during the April 2023 event.

## 5.1 Additional Remediation Assessment

As requested by NYSDEC, total cVOC results were graphed for wells that have historically observed cVOC concentrations over 1 ppm. Appendix E include charts for on-site wells MW-5R, PZ-4R, PZ-11, and PZ-12 and off-site wells MW-24S, MW-25S, and MW-26S. A reduction in total cVOCs was observed at on-site wells MW-5R, PZ-11, and PZ-12 (except for the April 2023 result) compared to pre-remediation activities. Total cVOC concentrations continuing to fluctuate at well MW-5R and piezometers PZ-4R, and PZ-11. Total cVOCs at piezometer PZ-4R measured 885 ppb, which is the lowest concentration observed since post-excavation groundwater monitoring began. A general decreasing trend in contamination over time has been observed at all other on-site piezometers.

A steady decline in total cVOC concentrations following excavation activities has been observed at well MW-24S except for a temporary rebound in April 2021 and then again in November 2022; however, total cVOC concentrations have since dropped to below 1,000 ppb during the April 2023 event. Total cVOC concentrations in well MW-25S have decreased significantly since February 2019 and remain below 1,000 ppb. Total cVOCs at well MW-26S have been below 1,000 ppb since November 2020.

## 5.2 Data Usability

Appendix F includes the Data Usability Summary Report (DUSR) completed by Data Validation Services for the samples collected by Benchmark. Results for the samples are usable

either as reported or with minor qualification as estimated due to failure for calibration standard responses to meet validation guidelines. The detected results for chloroethane and vinyl chloride in PZ-13 are qualified as estimated due to low recoveries in the associated laboratory control samples (LCS). Results for 1,4-dioxane have been rejected due to low responses in the calibration standards; however, 1,4-dioxane was not detected about the method detection limit in any sample.

NYSDEC completed groundwater sampling on November 9, 2022 and April 6, 2023. Environmental Data Quality, Inc. reviewed the data and completed a separate DUSR for each event (see Appendix F). Most data was acceptable for use as-is. The April 2023 results for 1,4-dioxane were rejected due to low responses, indicating a lack of instrument sensitivity for this compound; however, 1,4-dioxane was not detected about the MDL in any sample. Samples from wells MW-23D, MW-25S and MW-26S (November 2022) and wells MW-25S and MW-26S (April 2023) were analyzed at dilution for VOCs causing RLs to be elevated and in some cases above GWQSs. All compounds qualitatively identified at concentrations below their respective RLs have been marked with a "J" qualifier to indicate quantitative estimates.

Tables 3 and 4 have been updated to reflect the final accepted data.

# 6.0 CONCLUSIONS AND RECOMMENDATIONS

At the time of the Site inspection:

- The cover system at 275 Franklin Street and 432 Pearl Street Sites complied with the SMP, except for several small asphalt areas in the 275 Franklin and 432 Pearl Street Parking lots. These areas were repaired by BDC on August 24, 2022, within the reporting period.
- The ASD systems within the apartment building at 267 Franklin Street have been monitored monthly and determined to be functioning properly.
- Most on-site groundwater monitoring locations indicate decreasing trends, affirming that remedial actions have been effective in removing source contamination and are continuing to degrade contaminants of concern. Total cVOC concentrations continue to fluctuate at well MW-5R and piezometers PZ-4R and PZ-11.
- Several cVOC concentrations are above GWQSs at off-site downgradient wells MW-23S, MW-24S, MW-24D, MW-25S, MW-26S, and MW-27S during the November 2022 and April 2023 sampling events indicating continued historic plume migration traveling in the direction of groundwater flow. Based on the discrepancy in total depth measurement and analytical results, Benchmark in consultation with NYSDEC believe GES incorrectly gauged and sampled well MW-23S instead of MW-23D during the November 2022 sampling event.

Benchmark will continue to complete semi-annual groundwater monitoring with the next sampling event to be performed in November 2023. No additional modifications are recommended for the 275 Franklin Street and 432 Pearl Street Sites.

# 7.0 DECLARATION/LIMITATIONS

Benchmark Civil/Environmental Engineering & Geology, PLLC personnel conducted the annual site inspection for BCP Site Nos. C915208 and C915237 in Buffalo, New York, according to generally accepted practices. This report complies with the scope of work provided to Buffalo Development Corporation by Benchmark Civil/Environmental Engineering & Geology, PLLC.

This PRR has been prepared for the exclusive use of Buffalo Development Corporation. The contents of this PRR are limited to information available at the time of the Site inspection. The findings herein may be relied upon only at the discretion of Buffalo Development Corporation. Use of or reliance upon this PRR or its findings by any other person or entity is prohibited without written permission of Benchmark Civil/Environmental Engineering & Geology, PLLC.

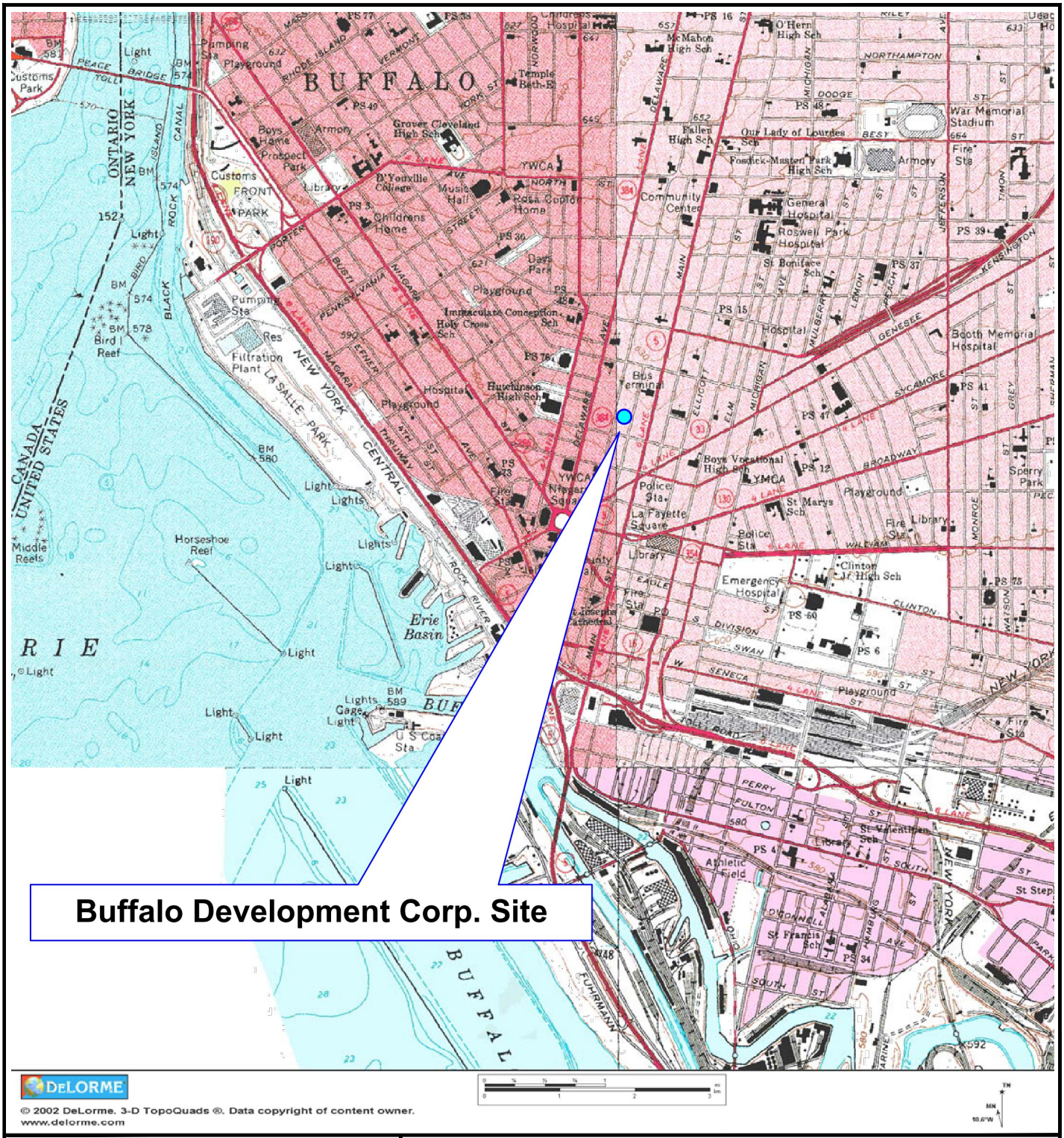
# 8.0 REFERENCES

1. New York State Department of Environmental Conservation. *DER-10/ Technical Guidance for Site Investigation and Remediation.* May 3, 2013.
2. Benchmark Environmental Engineering & Science, PLLC. *Site Management Plan, 275 Franklin Street Site, BCP Site No. C915208 and 432 Pearl Street Site, BCP Site No. C915237, Buffalo, New York.* July 2017
3. Benchmark Environmental Engineering & Science, PLLC. *Interim Remedial Measures Work Plan, 275 Franklin Street Site, Buffalo, NY*. June 2008
4. New York State Department of Environmental Conservation. *Immediate Investigation Work Assignment Summary Report, 275 Franklin Street Site, Buffalo, New York.* December 2009.
5. Benchmark Environmental Engineering & Science, PLLC and TurnKey Environmental Restoration, LLC. *Remedial Investigation/Alternatives Analysis/Interim Remedial Measures Report, 275 Franklin Street & 432 Pearl Street Sites, Buffalo, New York, BCP Site Nos. C915208 & C915237*. April 2010. Revised January and July 2013.
6. Benchmark Environmental Engineering & Science, PLLC. *Additional Remedial Measure Work Plan, 275 Franklin Street Site, Buffalo, New York, BCP Site No. C915208*. January 14, 2016.
7. Benchmark Environmental Engineering & Science, PLLC. *Remedial Action Work Plan – Revision 1, 275 Franklin Street Site, Buffalo, New York, BCP Site No. C915208*. November 22, 2016
8. Benchmark Environmental Engineering & Science, PLLC. *Final Engineering Report, 275 Franklin Street Site, BCP Site No. C915208 and 432 Pearl Street Site, BCP Site No. C915237, Buffalo, New York.* October 2017.

# FIGURES

F:\CAD\Benchmark\Buffalo Development Corp\275 Franklin Street Site\0-PRR\Figure 1; Site Location and Vicinity Map.dwg, 4/17/2023 4:15:38 PM

# FIGURE 1






## SITE LOCATION AND VICINITY MAP

PERIODIC REVIEW REPORT

275 FRANKLIN STREET & 432 PEARL STREET SITES
BUFFALO, NEW YORK
BCP NO. C915208 & C915237

PREPARED FOR

BUFFALO DEVELOPMENT CORPORATION

F:\CAD\Benchmark\Buffalo Development Corp\275 Franklin Street Site\z - 275Franklinbasemap.dwg, 4/17/2023 4:16:33 PM

LEGEND:

- 275 FRANKLIN STREET BCP SITE (BCP NO. C915208)
- 432 PEARL STREET BCP SITE (BCP NO. C915237)
- EXISTING BUILDING
- PARCEL LINE
- FENCE
- MW-1 — DEEP (1) / INTERMEDIATE (2) MONITORING WELL
- MW-23S — OFF-SITE SHALLOW MONITORING WELL (5)
- MW-22S — OFF-SITE SHALLOW MONITORING WELL - DECOMMISSIONED 2018 (2)
- MW-23D — OFF-SITE DEEP MONITORING WELL (2)
- MW-22D — OFF-SITE DEEP MONITORING WELL - DECOMMISSIONED 2018 (2)
- MW-5R — SHALLOW MONITORING WELL
- PZ-4 — SHALLOW PIEZOMETER


DATE: APRIL 2023
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BENCHMARK

2558 HAMBURG TURNPIKE, SUITE 300, BUFFALO, NY 14218,
(716) 856-0599

JOB NO.: 0156-022-001

# SITE PLAN (AERIAL)

PERIODIC REVIEW REPORT

275 FRANKLIN STREET SITE
BUFFALO, NEW YORK
BCP NO. C915208

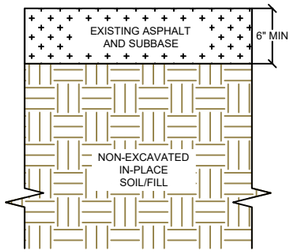
PREPARED FOR

BUFFALO DEVELOPMENT CORPORATION

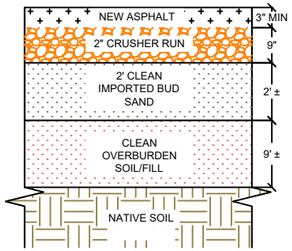
**FIGURE 2**

LEGEND:

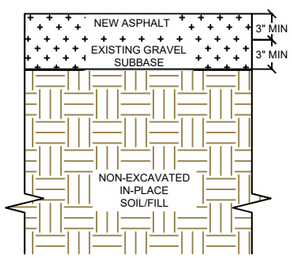
- 275 FRANKLIN STREET BCP SITE (BCP NO. C915208)
- 432 PEARL STREET BCP SITE (BCP NO. C915237)
- EXISTING BUILDING
- SEE COVER SYSTEM DETAIL 1
- SEE COVER SYSTEM DETAIL 2 (REMEDIAL EXCAVATION AREA)
- SEE COVER SYSTEM DETAIL 3 (NEW ASPHALT AREA)
- PARCEL LINE




COVER DETAIL 1




COVER DETAIL 2




COVER DETAIL 3

50' 0' 50' 100'

SCALE: 1 INCH = 50 FEET
SCALE IN FEET
(approximate)



DATE: APRIL 2023
DRAFTED BY: CMC

F:\CAD\Benchmark\Buffalo Development Corp\275 Franklin Street Site\0-PRR\Figure 3: Site Wide Cover System.dwg, 4/17/2023 4:18:49 PM

BENCHMARK

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(716) 856-0599

JOB NO.: 0156-022-001

# SITE WIDE COVER SYSTEM

PERIODIC REVIEW REPORT

275 FRANKLIN STREET & 432 PEARL STREET SITES
BUFFALO, NEW YORK
BCP NO. C915208 & C915237

PREPARED FOR

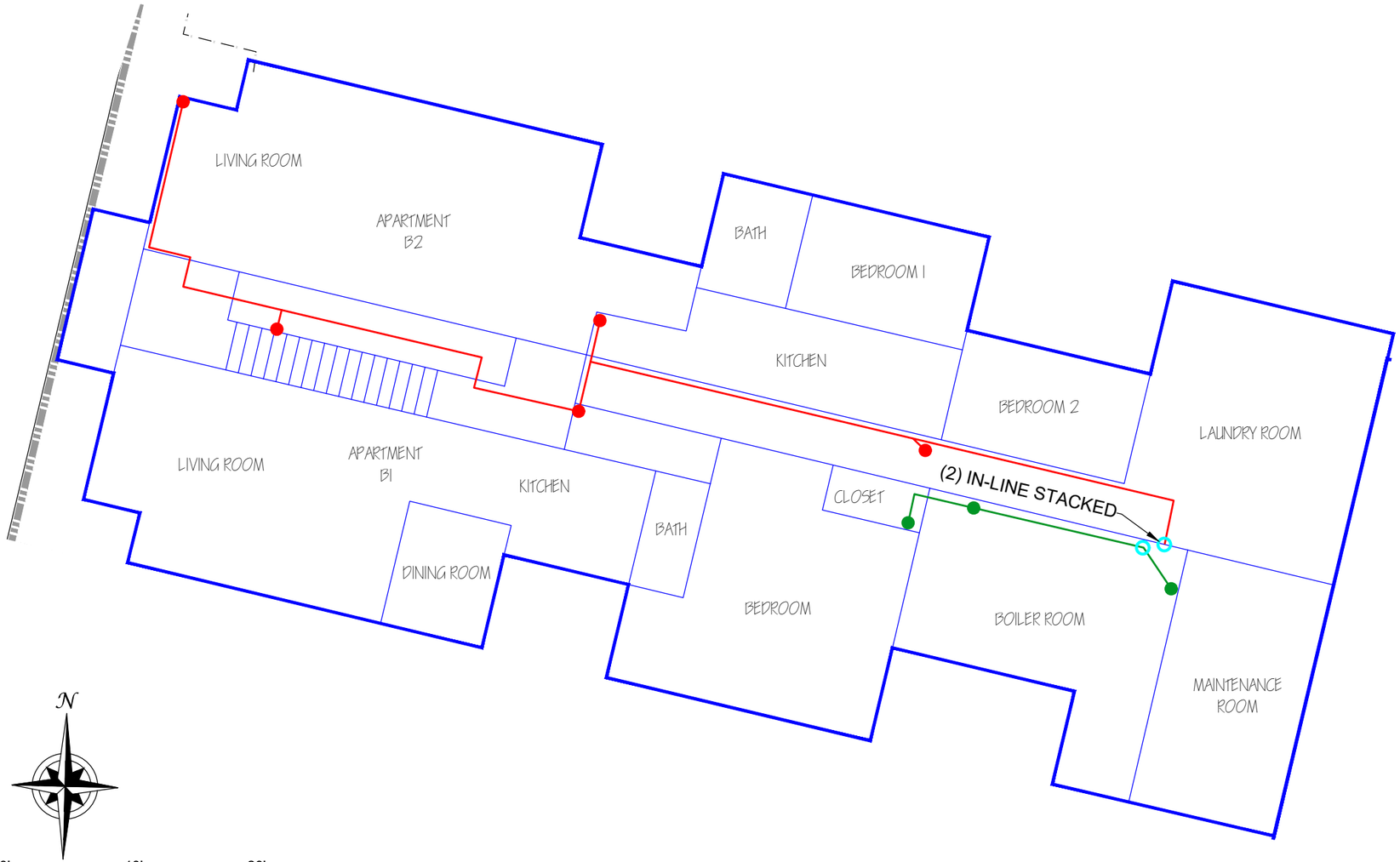
BUFFALO DEVELOPMENT CORPORATION

**FIGURE 3**

LEGEND:

- 267 FRANKLIN STREET APARTMENT BUILDING (432 PEARL STREET BCP SITE)
- ASD SYSTEM 1 (5 SUBSLAB SUCTION POINTS): RP-265 Series Centrifugal In-Line Fans (2)
- ASD SYSTEM 2 (3 SUBSLAB SUCTION POINTS): GP-501 Series Centrifugal In-Line Fan (1)
- RADONAWAY IN-LINE FAN (3)

NOTES:
1. THIS FIGURE WAS DERIVED FROM THE MALCOLM PIRNIE IMMEDIATE INVESTIGATION WORK ASSIGNMENT SUMMARY REPORT DATED DECEMBER 2009.




N

10' 0' 10' 20'

SCALE: 1 INCH = 10 FEET
SCALE IN FEET
(approximate)

F:\CAD\Benchmark\Buffalo Development Corp\275 Franklin Street Site\0-PRR\Figure 4; ASD System Layout.dwg, 4/17/2023 4:31:34 PM

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JOB NO.: 0156-022-001

# ASD SYSTEM LAYOUT

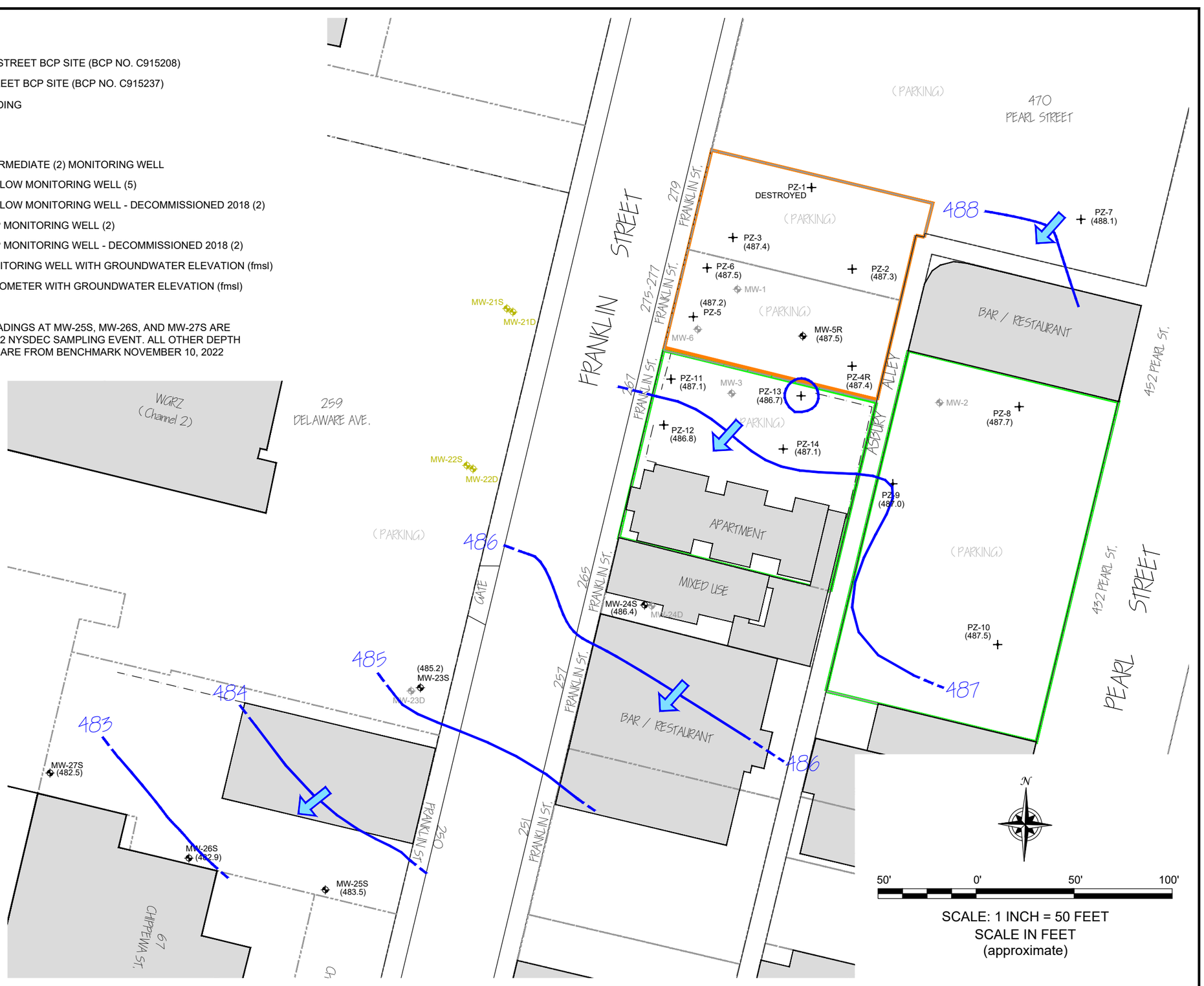
PERIODIC REVIEW REPORT
275 FRANKLIN STREET & 432 PEARL STREET SITES
BCP NO. C915208 & C915237
BUFFALO, NEW YORK
PREPARED FOR
BUFFALO DEVELOPMENT CORPORATION

**FIGURE 4**

LEGEND:

- 275 FRANKLIN STREET BCP SITE (BCP NO. C915208)
- 432 PEARL STREET BCP SITE (BCP NO. C915237)
- EXISTING BUILDING
- PARCEL LINE
- FENCE
- MW-1 — DEEP (1) / INTERMEDIATE (2) MONITORING WELL
- MW-23S — OFF-SITE SHALLOW MONITORING WELL (5)
- MW-22S — OFF-SITE SHALLOW MONITORING WELL - DECOMMISSIONED 2018 (2)
- MW-23D — OFF-SITE DEEP MONITORING WELL (2)
- MW-22D — OFF-SITE DEEP MONITORING WELL - DECOMMISSIONED 2018 (2)
- MW-5R — SHALLOW MONITORING WELL WITH GROUNDWATER ELEVATION (fmsl)
- PZ-5 — SHALLOW PIEZOMETER WITH GROUNDWATER ELEVATION (fmsl)

NOTE: DEPTH TO WATER READINGS AT MW-25S, MW-26S, AND MW-27S ARE FROM THE NOVEMBER 9, 2022 NYSDEC SAMPLING EVENT. ALL OTHER DEPTH TO WATER MEASUREMENTS ARE FROM BENCHMARK NOVEMBER 10, 2022 SAMPLING EVENT.




# SHALLOW OVERBURDEN ISOPOTENTIAL MAP (11/10/22)

PERIODIC REVIEW REPORT

275 FRANKLIN STREET SITE
BUFFALO, NEW YORK
BCP NO. C915208

PREPARED FOR

BUFFALO DEVELOPMENT CORPORATION

**FIGURE 5**


BENCHMARK
2558 HAMBURG TURNPIKE, SUITE 300, BUFFALO, NY 14218,
(716) 856-0599


JOB NO.: 0156-022-001

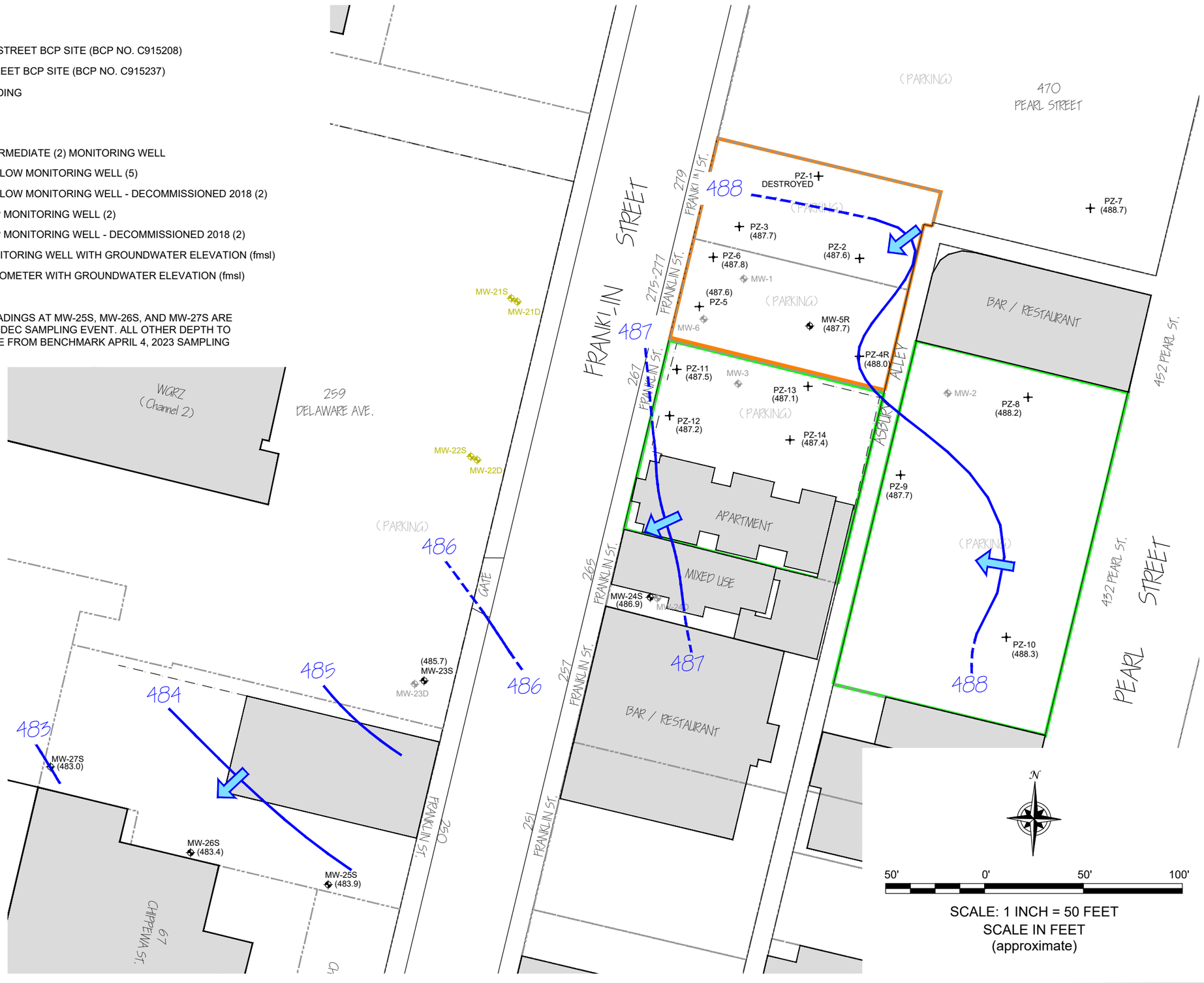
DATE: NOVEMBER 2020
DRAFTED BY: CMC

F:\CAD\Benchmark\Buffalo Development Corp\275 Franklin Street Site\0- PRR\2023\Figure 5; Shallow GW Isopotential Map - Nov 2022.dwg, 6/11/2023 7:14:22 PM

LEGEND:

- 275 FRANKLIN STREET BCP SITE (BCP NO. C915208)
- 432 PEARL STREET BCP SITE (BCP NO. C915237)
- EXISTING BUILDING
- PARCEL LINE
- FENCE
- MW-1 — DEEP (1) / INTERMEDIATE (2) MONITORING WELL
- MW-23S — OFF-SITE SHALLOW MONITORING WELL (5)
- MW-22S — OFF-SITE SHALLOW MONITORING WELL - DECOMMISSIONED 2018 (2)
- MW-23D — OFF-SITE DEEP MONITORING WELL (2)
- MW-22D — OFF-SITE DEEP MONITORING WELL - DECOMMISSIONED 2018 (2)
- MW-5R — SHALLOW MONITORING WELL WITH GROUNDWATER ELEVATION (fmsl)
- PZ-5 — SHALLOW PIEZOMETER WITH GROUNDWATER ELEVATION (fmsl)

NOTE: DEPTH TO WATER READINGS AT MW-25S, MW-26S, AND MW-27S ARE FROM THE APRIL 6, 2023 NYSDEC SAMPLING EVENT. ALL OTHER DEPTH TO WATER MEASUREMENTS ARE FROM BENCHMARK APRIL 4, 2023 SAMPLING EVENT.




# SHALLOW OVERBURDEN ISOPOTENTIAL MAP (04/04/23)

PERIODIC REVIEW REPORT

275 FRANKLIN STREET SITE
BUFFALO, NEW YORK
BCP NO. C915208

PREPARED FOR

BUFFALO DEVELOPMENT CORPORATION

BENCHMARK

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JOB NO.: 0156-020-001

**FIGURE 6**



F:\CAD\Benchmark\Buffalo Development Corp\275 Franklin Street Site\0-PRR\2023\Figure 6; Shallow GW Isopotential Map - April 2023.dwg, 6/11/2023 7:29:25 PM

DATE: NOVEMBER 2020
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LEGEND:

- 275 FRANKLIN STREET BCP SITE (BCP NO. C915208)
- 432 PEARL STREET BCP SITE (BCP NO. C915237)
- EXISTING BUILDING
- PARCEL LINE
- FENCE
- MW-1 — DEEP / INTERMEDIATE / OFF-SITE MONITORING WELL
- MW-23S — OFF-SITE SHALLOW MONITORING WELL (2) (NYSDEC, July 2009)
- MW-22S — OFF-SITE SHALLOW MONITORING WELL - DECOMMISSIONED 2018 (2)
- MW-23D — OFF-SITE DEEP MONITORING WELL (2) (NYSDEC, July 2009)
- MW-22D — OFF-SITE DEEP MONITORING WELL - DECOMMISSIONED 2018 (2)
- MW-26S — OFF-SITE SHALLOW MONITORING WELL (3) (NYSDEC, September 2012)
- MW-5 — SHALLOW MONITORING WELL
- PZ-4 — SHALLOW PIEZOMETER
- 14 — TOTAL cVOCs CONCENTRATION (ug/L)
- TOTAL cVOCs ISOCONCENTRATION CONTOURS (DASHED WHERE INFERRED)
- TOTAL cVOCs CONCENTRATION OF > 1,000 ug/L
- TOTAL cVOCs CONCENTRATION OF 100 - 1,000 ug/L
- TOTAL cVOCs CONCENTRATION OF 5 - 100 ug/L

NOTE: TOTAL cVOC CONCENTRATION RESULTS AT MW-25S, MW-26S, AND MW-27S ARE FROM THE NOVEMBER 9, 2022 NYSDEC SAMPLING EVENT. ALL OTHER cVOC CONCENTRATION RESULTS ARE FROM BENCHMARK NOVEBMER 10, 2022 SAMPLING EVENT.

N

50' 0' 50' 100'

SCALE: 1 INCH = 50 FEET
SCALE IN FEET
(approximate)


DATE: APRIL 2022
DRAFTED BY: CMC

F:\CAD\Benchmark\Buffalo Development Corp\275 Franklin Street Site\0-PRR\2023\Figure 7; Total cVOCs Concentration_Nov 2022.dwg, 5/24/2023 11:06:25 AM

BENCHMARK

2558 HAMBURG TURNPIKE, SUITE 300, BUFFALO, NY 14218,
(716) 856-0599

JOB NO.: 0156-022-001

# SHALLOW OVERBURDEN TOTAL cVOCs ISOCONCENTRATION MAP (11/10/2022)

PERIODIC REVIEW REPORT

275 FRANKLIN STREET & 432 PEARL STREET SITES
BUFFALO, NEW YORK
BCP NO. C915208 & C915237

PREPARED FOR

BUFFALO DEVELOPMENT CORPORATION

**FIGURE 8**

LEGEND:

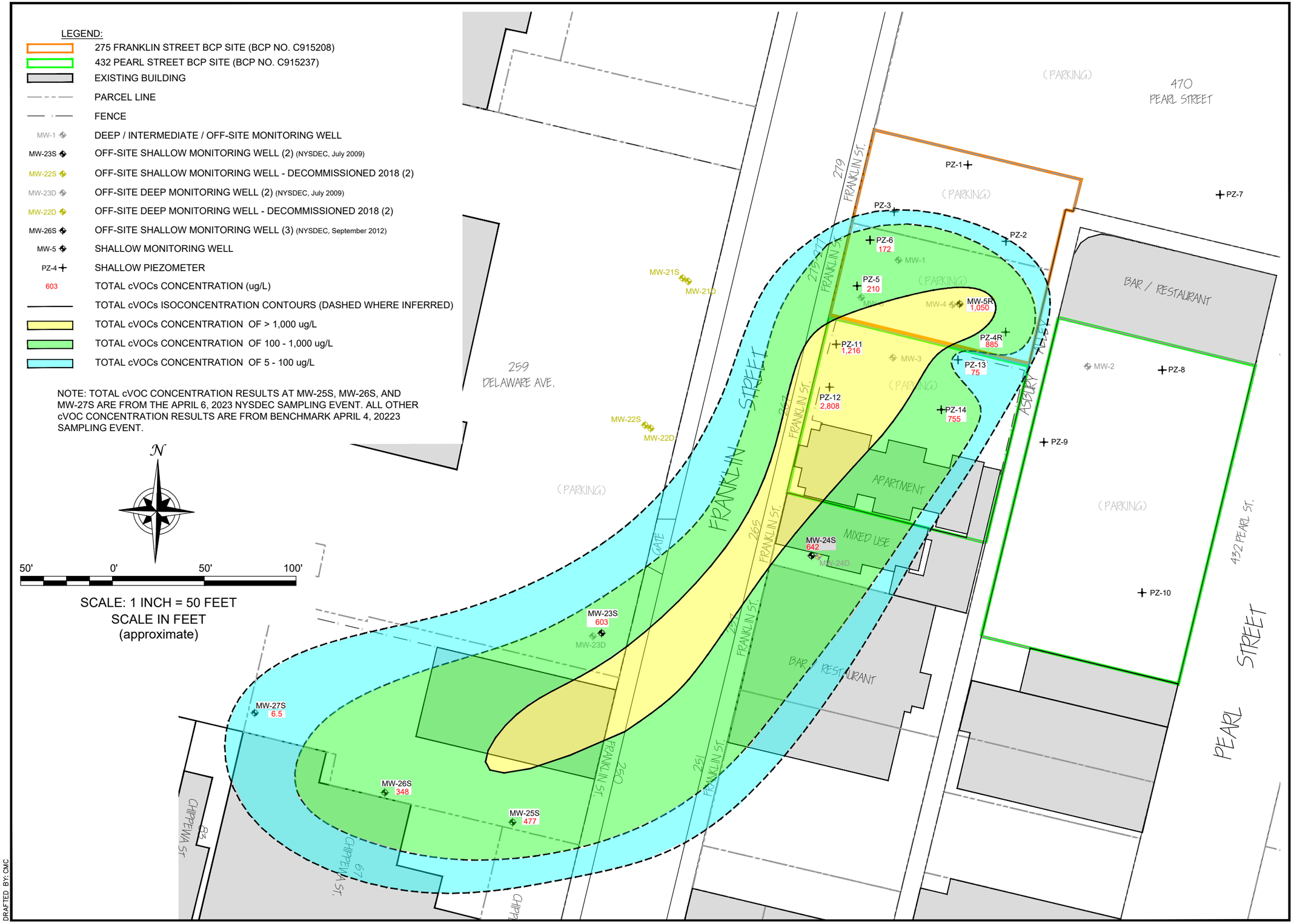
- 275 FRANKLIN STREET BCP SITE (BCP NO. C915208)
- 432 PEARL STREET BCP SITE (BCP NO. C915237)
- EXISTING BUILDING
- PARCEL LINE
- FENCE
- MW-1 — DEEP / INTERMEDIATE / OFF-SITE MONITORING WELL
- MW-23S — OFF-SITE SHALLOW MONITORING WELL (2) (NYSDEC, July 2009)
- MW-22S — OFF-SITE SHALLOW MONITORING WELL - DECOMMISSIONED 2018 (2)
- MW-23D — OFF-SITE DEEP MONITORING WELL (2) (NYSDEC, July 2009)
- MW-22D — OFF-SITE DEEP MONITORING WELL - DECOMMISSIONED 2018 (2)
- MW-26S — OFF-SITE SHALLOW MONITORING WELL (3) (NYSDEC, September 2012)
- MW-5 — SHALLOW MONITORING WELL
- PZ-4 — SHALLOW PIEZOMETER
- 603 — TOTAL cVOCs CONCENTRATION (ug/L)
- TOTAL cVOCs ISOCONCENTRATION CONTOURS (DASHED WHERE INFERRED)
- TOTAL cVOCs CONCENTRATION OF > 1,000 ug/L
- TOTAL cVOCs CONCENTRATION OF 100 - 1,000 ug/L
- TOTAL cVOCs CONCENTRATION OF 5 - 100 ug/L

NOTE: TOTAL cVOC CONCENTRATION RESULTS AT MW-25S, MW-26S, AND MW-27S ARE FROM THE APRIL 6, 2023 NYSDEC SAMPLING EVENT. ALL OTHER cVOC CONCENTRATION RESULTS ARE FROM BENCHMARK APRIL 4, 20223 SAMPLING EVENT.

N

50' 0' 50' 100'

SCALE: 1 INCH = 50 FEET
SCALE IN FEET
(approximate)




BENCHMARK

2558 HAMBURG TURNPIKE, SUITE 300, BUFFALO, NY 14218,
(716) 856-0599

JOB NO.: 0156-021-001

# SHALLOW OVERBURDEN TOTAL cVOCs ISOCONCENTRATION MAP (4/4/2023)

PERIODIC REVIEW REPORT

275 FRANKLIN STREET & 432 PEARL STREET SITES
BUFFALO, NEW YORK
BCP NO. C915208 & C915237

PREPARED FOR

BUFFALO DEVELOPMENT CORPORATION

**FIGURE 8**



F:\CAD\Benchmark\Buffalo Development Corp\275 Franklin Street Site\0-PRR\2023\Figure 8; Total cVOCs Concentration_April 2023.dwg, 5/24/2023 11:11:57 AM

DATE: APRIL 2022
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# TABLES

BENCHMARK

# TABLE 1

## SUMMARY OF MONITORING WELL / PIEZOMETER CONSTRUCTION DETAILS [1,2]

**275 Franklin Street & 432 Pearl Street Sites**
**BCP Sites No. C915208 & C915237**
**Buffalo, New York**

| Location [3] | Groundwater Unit | Installation Date | Well Diameter (inches) | Well Construction Material (screen/riser) | TOR Elevation (fmsl) | Ground Elevation (fmsl) | Stick-up (fbgs) | Construction Details (approx.) | | | | Total Depth March 2010 (fbTOR) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Bentonite Seal (fbgs) | Sand Pack Interval (fbgs) | Screened Interval (fbgs) | Sump Interval (fbgs) | |
| ***MONITORING WELLS:*** | | | | | | | | | | | | |
| MW-1 | intermediate | 11/27/06 | 2.0 | PVC / PVC | 499.22 | 499.51 | -0.29 | 1.00 - 26.67 | 26.67 - 38.67 | 28.67 - 38.67 | none | 38.67 |
| MW-2 | intermediate | 11/28/06 | 2.0 | PVC / PVC | 499.81 | 500.08 | -0.27 | 1.00 - 26.37 | 26.37 - 38.37 | 28.37 - 38.37 | none | 38.37 |
| MW-3 | intermediate | 11/29/06 | 2.0 | PVC / PVC | 498.13 | 498.38 | -0.25 | 1.00 - 25.92 | 25.92 - 37.92 | 27.92 - 37.92 | none | 37.92 |
| MW-4 | deep | 04/22/08 | 2.0 | PVC / PVC | 499.56 | 499.93 | -0.37 | 1.00 - 30.27 | 30.27 - 47.27 | 32.27 - 47.27 | 47.27 - 50.27 | 50.27 |
| MW-5R | shallow | 01/18/17 | 2.0 | PVC / PVC | 499.20 | 499.50 | -0.30 | 1.00 - 6.79 | 6.79 - 18.79 | 8.79 - 18.79 | none | 18.79 |
| MW-6 | deep | 04/24/08 | 2.0 | PVC / PVC | 498.72 | 499.03 | -0.31 | 1.00 - 31.10 | 31.10 - 48.10 | 33.10 - 48.10 | 48.10 - 50.10 | 50.10 |
| MW-7 | deep | 05/30/12 | 2.0 | PVC / PVC | 497.96 | 498.31 | -0.35 | 26.28 - 31.28 | 31.28 - 48.28 | 33.28 - 48.28 | 48.28 - 50.28 | 50.28 |
| ***PIEZOMETERS:*** | | | | | | | | | | | | |
| PZ-1 | *Destroyed* | | | | | | | | | | | |
| PZ-2 | shallow | 11/14/06 | 1.0 | PVC / PVC | 499.44 | 499.84 | -0.40 | 1.00 - 3.52 | 3.52 - 15.52 | 5.52 - 15.52 | none | 15.52 |
| PZ-3 | shallow | 11/14/06 | 1.0 | PVC / PVC | 499.03 | 499.44 | -0.41 | 1.00 - 3.48 | 3.48 - 15.48 | 5.48 - 15.48 | none | 15.48 |
| PZ-4 | shallow | 11/14/06 | 1.0 | PVC / PVC | 499.42 | 499.66 | -0.24 | 1.00 - 3.47 | 3.47 - 15.47 | 5.47 - 15.47 | none | 15.47 |
| PZ-4R | shallow | 11/05/18 | 1.0 | PVC / PVC | 499.21 | 499.60 | -0.39 | 1.00 - 2.79 | 2.79 - 14.79 | 4.79 14.79 | none | 14.79 |
| PZ-5 | shallow | 11/14/06 | 1.0 | PVC / PVC | 498.44 | 498.92 | -0.48 | 1.00 - 3.37 | 3.37 - 15.37 | 5.37 - 15.37 | none | 15.37 |
| PZ-6 | shallow | 11/14/06 | 1.0 | PVC / PVC | 498.68 | 499.21 | -0.53 | 1.00 - 3.42 | 3.42 - 15.42 | 5.42 - 15.42 | none | 15.42 |
| PZ-7 | shallow | 11/15/06 | 1.0 | PVC / PVC | 500.95 | 501.13 | -0.18 | 1.00 - 3.32 | 3.32 - 15.32 | 5.32 - 15.32 | none | 15.32 |
| PZ-8 | shallow | 11/15/06 | 1.0 | PVC / PVC | 499.85 | 500.37 | -0.52 | 1.00 - 3.17 | 3.17 - 15.17 | 5.17 - 15.17 | none | 15.17 |
| PZ-9 | shallow | 11/15/06 | 1.0 | PVC / PVC | 498.46 | 499.01 | -0.55 | 1.00 - 3.27 | 3.27 - 15.27 | 5.27 - 15.27 | none | 15.27 |
| PZ-10 | shallow | 11/15/06 | 1.0 | PVC / PVC | 498.80 | 499.03 | -0.23 | 1.00 - 2.37 | 2.37 - 14.37 | 4.37 - 14.37 | none | 14.37 |
| PZ-11 | shallow | 12/27/06 | 1.0 | PVC / PVC | 497.79 | 498.18 | -0.39 | 1.00 - 3.37 | 3.37 - 15.37 | 5.37 - 15.37 | none | 15.37 |
| PZ-12 | shallow | 12/27/06 | 1.0 | PVC / PVC | 497.60 | 498.14 | -0.54 | 1.00 - 3.37 | 3.37 - 15.37 | 5.37 - 15.37 | none | 15.37 |
| PZ-13 | shallow | 12/27/06 | 1.0 | PVC / PVC | 497.88 | 498.47 | -0.59 | 1.00 - 2.87 | 2.87 - 14.87 | 4.87 - 14.87 | none | 14.87 |
| PZ-14 | shallow | 12/27/06 | 1.0 | PVC / PVC | 497.56 | 498.26 | -0.70 | 1.00 - 2.72 | 2.72 - 14.72 | 4.72 - 14.72 | none | 14.72 |
| ***OFF-SITE MONITORING WELLS (INSTALLED BY NYSDEC):*** | | | | | | | | | | | | |
| MW-21S | shallow | 05/13/09 | 2.0 | PVC / PVC | 497.36 | 497.88 | -0.52 | 9.50 - 11.50 | 11.50 - 23.50 | 13.50 - 23.50 | none | 23.50 |
| MW-21D | deep | 05/12/09 | 2.0 | PVC / PVC | 497.58 | 497.90 | -0.32 | 34.50 - 36.50 | 36.50 - 48.50 | 38.50 - 48.50 | none | 48.50 |
| MW-22S | shallow | 05/15/09 | 2.0 | PVC / PVC | 496.21 | 497.23 | -1.02 | 3.00 - 5.00 | 5.00 - 17.70 | 7.70 - 17.70 | none | 17.70 |
| MW-22D | deep | 05/14/09 | 2.0 | PVC / PVC | 496.92 | 497.21 | -0.29 | 33.50 - 36.00 | 36.00 - 48.00 | 38.00 - 48.00 | none | 48.00 |
| MW-23S | shallow | 05/19/09 | 2.0 | PVC / PVC | 496.91 | 497.46 | -0.55 | 4.56 - 6.56 | 6.56 - 18.56 | 8.56 - 18.56 | none | 18.56 |
| MW-23D | deep | 05/19/09 | 2.0 | PVC / PVC | 497.18 | 497.52 | -0.34 | 34.30 - 36.30 | 36.30 - 48.30 | 38.30 - 48.30 | none | 48.30 |
| MW-24S | shallow | 05/21/09 | 2.0 | PVC / PVC | 497.32 | 497.91 | -0.59 | 4.63 - 6.63 | 6.63 - 18.63 | 8.63 - 18.63 | none | 18.63 |
| MW-24D | deep | 05/20/09 | 2.0 | PVC / PVC | 497.63 | 497.94 | -0.31 | 33.53 - 35.53 | 35.53 - 47.53 | 37.53 - 47.53 | none | 47.53 |
| MW-25S | shallow | 09/27/12 | 2.0 | PVC / PVC | 496.21 | 496.46 | -0.25 | 5.60 - 7.60 | 7.60 - 19.10 | 9.10 - 19.10 | none | 19.10 |
| MW-26S | shallow | 09/26/12 | 2.0 | PVC / PVC | 496.02 | 496.39 | -0.37 | 4.80 - 6.80 | 6.80 - 18.80 | 8.80 - 18.80 | none | 18.80 |
| MW-27S | shallow | 09/27/12 | 2.0 | PVC / PVC | 496.24 | 497.10 | -0.86 | 5.10 - 7.10 | 7.10 - 19.10 | 9.10 - 19.10 | none | 19.10 |

**Notes:**

1. Top of riser elevation based upon an assumed datum of 500.00 fmsl.
2. TOR = top of riser.
3. fmsl = feet above mean sea level.
4. fbgs = feet below ground surface.
5. MW-5 removed 12/1/16 during source area excavation and replaced 1/18/17 (MW-5R).
6. PZ-11, PZ-12, and PZ-13 were cut down to sit flush with ground surface on 4/21/17. TOR Elevation was recalculated and used in calculating water elevations for sampling on 4/24/17.
7. Off-site monitoring wells MW-21S, MW-21D, MW-22S, and MW-22D were decommissioned by NYSDEC in early 2018.
8. PZ-4 removed 11/5/2018 and replaced by PZ-4R on 11/5/2018. The piezometer TOR was measured on 11/12/2018.
9. PZ-5, PZ-6, and PZ-14 were cut down to sit flush with ground surface on 11/5/18. TOR Elevation was recalculated and used in calculating water elevations for sampling on 11/12/18.
10. PZ-2, PZ-3, PZ-8, and PZ-9 were cut down to sit flush with ground surface on 9/29/2020. TOR elevation updated.

BENCHMARK

# TABLE 2

## GROUNDWATER ELEVATION DATA SUMMARY

### 275 Franklin Street & 432 Pearl Street Sites
### BCP Sites No. C915208 & C915237
### Buffalo, New York

| Monitoring Location | TOR Elevation (fmsl) | Post Excavation | | 1st Semi-Annual | | 2nd Semi-Annual | | 3rd Semi-Annual | | 4th Semi-Annual | | 5th Semi-Annual | | 6th Semi-Annual | | 7th Semi-Annual | | 8th Semi-Annual | | 9th Semi-Annual | | 10th Semi-Annual | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 01/23/17 | | 11/12/18 | | 04/05/19 | | 11/20/19 | | 04/01/20 | | 11/13/20 | | 04/01/21 | | 11/02/21 | | 04/05/22 | | 11/10/22 | | 04/04/23 | |
| | | DTW | GWE | DTW | GWE | DTW | GWE | DTW | GWE | DTW | GWE | DTW | GWE | DTW | GWE | DTW | GWE | DTW | GWE | DTW | GWE | DTW | GWE |
| ***MONITORING WELLS (SHALLOW):*** | | | | | | | | | | | | | | | | | | | | | | | |
| MW-5 | 499.10 | (8) | (8) | (8) | (8) | (8) | (8) | (8) | (8) | (8) | (8) | (8) | (8) | (8) | (8) | (8) | (8) | (8) | (8) | (8) | (8) | (8) | (8) |
| MW-5R | 499.20 | 11.56 | 487.64 | 11.33 | 487.87 | 11.38 | 487.82 | 11.68 | 487.52 | 11.62 | 487.58 | 11.74 | 487.46 | 11.72 | 487.48 | 11.48 | 487.72 | 11.51 | 487.69 | 11.70 | 487.50 | 11.45 | 487.75 |
| ***MONITORING WELLS (INTERMEDIATE):*** | | | | | | | | | | | | | | | | | | | | | | | |
| MW-1 | 499.22 | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM |
| MW-2 | 499.81 | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM |
| MW-3 | 498.13 | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM |
| ***MONITORING WELLS (DEEP):*** | | | | | | | | | | | | | | | | | | | | | | | |
| MW-4 | 499.12 | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM |
| MW-6 | 498.63 | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM |
| MW-7 | 497.96 | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM |
| ***PIEZOMETERS:*** | | | | | | | | | | | | | | | | | | | | | | | |
| PZ-1 | 500.04 | destroyed | | | | | | | | | | | | | | | | | | | | | |
| PZ-2 | 499.44 | NM | NM | 11.59 | 488.11 | NM | NM | NM | NM | NM | NM | 12.50 | 486.94 | 12.07 | 487.37 | 11.78 | 487.66 | 11.90 | 487.54 | 12.15 | 487.29 | 11.80 | 487.64 |
| PZ-3 | 499.03 | NM | NM | 11.12 | 488.20 | NM | NM | 11.29 | 488.03 | 11.34 | 487.98 | 11.54 | 487.49 | 11.54 | 487.49 | 11.31 | 487.72 | 11.37 | 487.66 | 11.64 | 487.39 | 11.30 | 487.73 |
| PZ-4 | 499.42 | 11.36 | 488.06 | (11) | (11) | (11) | (11) | (11) | (11) | (11) | (11) | (11) | (11) | (11) | (11) | (11) | (11) | (11) | (11) | (11) | (11) | (11) | (11) |
| PZ-4R | 499.21 | -- | -- | 11.00 | 488.21 | 10.96 | 488.25 | 11.36 | 487.85 | 11.39 | 487.82 | 11.55 | 487.66 | 11.50 | 487.71 | 11.25 | 487.96 | 11.30 | 487.91 | 11.85 | 487.36 | 11.17 | 488.04 |
| PZ-5 | 498.44 | 11.20 | 487.45 | 10.73 | 487.71 | 10.80 | 487.64 | 10.96 | 487.48 | 11.01 | 487.43 | 11.13 | 487.31 | 11.11 | 487.33 | 10.88 | 487.56 | 10.93 | 487.51 | 11.21 | 487.23 | 10.83 | 487.61 |
| PZ-6 | 498.68 | 11.15 | 487.95 | 10.75 | 487.93 | 10.78 | 487.90 | 10.96 | 487.72 | 11.03 | 487.65 | 11.13 | 487.55 | 11.11 | 487.57 | 10.90 | 487.78 | 10.95 | 487.73 | 11.22 | 487.46 | 10.84 | 487.84 |
| PZ-7 | 500.95 | NM | NM | 11.95 | 489.00 | 11.97 | 488.98 | 12.54 | 488.41 | 12.59 | 488.36 | 12.72 | 488.23 | 12.75 | 488.20 | 12.46 | 488.49 | 12.48 | 488.47 | 12.89 | 488.06 | 12.30 | 488.65 |
| PZ-8 | 499.85 | NM | NM | 11.71 | 488.45 | 11.73 | 488.43 | 12.22 | 487.94 | 12.22 | 487.94 | 11.87 | 487.98 | 12.14 | 487.71 | 11.56 | 488.29 | 11.83 | 488.02 | 12.20 | 487.65 | 11.70 | 488.15 |
| PZ-9 | 498.46 | NM | NM | NM | NM | NM | NM | 11.50 | 487.29 | 11.24 | 487.55 | 11.05 | 487.41 | 11.10 | 487.36 | 10.70 | 487.76 | 11.05 | 487.41 | 11.51 | 486.95 | 10.73 | 487.73 |
| PZ-10 | 498.80 | NM | NM | NM | NM | NM | NM | NM | NM | 10.82 | 487.98 | 11.12 | 487.68 | 10.98 | 487.82 | 10.57 | 488.23 | 10.70 | 488.10 | 11.29 | 487.51 | 10.55 | 488.25 |
| PZ-11 | 497.79 | 10.13 | 487.89 | 10.17 | 487.62 | 10.29 | 487.50 | 10.45 | 487.34 | 10.49 | 487.30 | 10.61 | 487.18 | 10.59 | 487.20 | 10.37 | 487.42 | 10.43 | 487.36 | 10.70 | 487.09 | 10.34 | 487.45 |
| PZ-12 | 497.60 | 10.76 | 487.17 | 10.31 | 487.29 | 10.27 | 487.33 | 10.53 | 487.07 | 10.57 | 487.03 | 10.69 | 486.91 | 10.65 | 486.95 | 10.42 | 487.18 | 10.51 | 487.09 | 10.79 | 486.81 | 10.43 | 487.17 |
| PZ-13 | 497.88 | 11.06 | 486.99 | 10.41 | 487.47 | 10.56 | 487.32 | 10.65 | 487.23 | 10.84 | 487.04 | 10.80 | 487.08 | 10.87 | 487.01 | 10.60 | 487.28 | 10.87 | 487.01 | 11.20 | 486.68 | 10.77 | 487.11 |
| PZ-14 | 497.56 | 10.74 | 487.18 | 10.08 | 487.48 | 10.12 | 487.44 | 10.32 | 487.24 | 10.36 | 487.20 | 10.48 | 487.08 | 10.45 | 487.11 | 10.18 | 487.38 | 10.28 | 487.28 | 10.50 | 487.06 | 10.16 | 487.40 |
| ***OFF-SITE MONITORING WELLS:*** | | | | | | | | | | | | | | | | | | | | | | | |
| MW-21S | 497.36 | NM | NM | (10) | (10) | (10) | (10) | (10) | (10) | (10) | (10) | (10) | (10) | (10) | (10) | (10) | (10) | (10) | (10) | (10) | (10) | (10) | (10) |
| MW-22S | 496.21 | NM | NM | (10) | (10) | (10) | (10) | (10) | (10) | (10) | (10) | (10) | (10) | (10) | (10) | (10) | (10) | (10) | (10) | (10) | (10) | (10) | (10) |
| MW-23S | 496.91 | 11.41 | 485.50 | 11.15 | 485.76 | 11.25 | 485.66 | 11.37 | 485.54 | 11.42 | 485.49 | 11.52 | 485.39 | 11.50 | 485.41 | 11.10 | 485.81 | 11.30 | 485.61 | 11.70 | 485.21 | 11.22 | 485.69 |
| MW-23D | 497.18 | (14) | (14) | (14) | (14) | (14) | (14) | (14) | (14) | (14) | (14) | 11.96 | 485.22 | 11.85 | 485.33 | 11.42 | 485.76 | 11.52 | 485.66 | (16) | (16) | 11.43 | 485.75 |
| MW-24S | 497.32 | 11.54 | 485.78 | 10.33 | 486.99 | 10.37 | 486.95 | 10.52 | 486.80 | 10.57 | 486.75 | 10.68 | 486.64 | 10.66 | 486.66 | 10.38 | 486.94 | 10.47 | 486.85 | 10.90 | 486.42 | 10.38 | 486.94 |
| MW-24D | 497.63 | 11.19 | 486.44 | 11.03 | 486.60 | 11.13 | 486.50 | 11.25 | 486.38 | 11.29 | 486.34 | 11.40 | 486.23 | 11.41 | 486.22 | 11.10 | 486.53 | 11.60 | 486.03 | 11.60 | 486.03 | 10.87 | 486.76 |
| MW-25S | 496.21 | (14) | (14) | (15) | (15) | (14) | (14) | (14) | (14) | (14) | (14) | 12.85 | 483.36 | 12.70 | 483.51 | 12.22 | 483.99 | 12.37 | 483.84 | 12.70 | 483.51 | 12.31 | 483.90 |
| MW-26S | 496.02 | (14) | (14) | (15) | (15) | (14) | (14) | (14) | (14) | (14) | (14) | 13.20 | 482.82 | 13.01 | 483.01 | 12.60 | 483.42 | 12.70 | 483.32 | 13.08 | 482.94 | 12.64 | 483.38 |
| MW-27S | 496.24 | (14) | (14) | (15) | (15) | (14) | (14) | (14) | (14) | (14) | (14) | 13.31 | 482.93 | 13.75 | 482.49 | 13.28 | 482.96 | 13.26 | 482.98 | 13.72 | 482.52 | 13.28 | 482.96 |

**Notes:**

1. All wells/piezometers surveyed on 1/11/07 with site specific datum of 500 feet, with the exception of wells MW-4, 5, 5R, 6, and 7; these locations were surveyed following their installation.
2. DTW = depth to water, feet below top of riser (fbTOR)
3. GWE = groundwater elevation, feet above mean sea level (fmsl)
4. NM = no measurement; location was not installed at the time of measurement or not accessible.
5. TOR = top of PVC riser, fmsl
6. Monitoring location was frozen within road box, no measurement was obtained.
7. No measurement obtained due to malfunctioning water level indicator.
8. MW-5 was removed 12/1/2016 during source area excavation and replaced by MW-5R on 1/18/2017.
9. PZ-11, PZ-12, and PZ-13 were cut down to sit flush with ground surface on 4/21/17. TOR elevation updated.
10. Off-cite monitoring wells MW-21S, MW-21D, MW-22S, and MW-22D were decommissioned by NYSDEC in early 2018.
11. PZ-4 was removed 11/5/2018 during on-site well repairs and replaced by PZ-4R on 11/5/2018.
12. PZ-5, PZ-6, and PZ-14 were cut down to sit flush with ground surface on 11/5/18. TOR elevation updated.
13. PZ-2, PZ-3, PZ-8, and PZ-9 were cut down to sit flush with ground surface on 9/29/2020. TOR elevation updated.
14. Sampling logs were either not provided by NYSDEC or sampling was completed greater than a month apart from Benchmark sampling and is considered unreliable.
15. MW-25S, MW-26S, MW-27S paved over. NYSDEC uncovered the wells in 2019.
16. Based on the discrepancy in total depth measured and analytical data results Benchmark in consultation with the Department believe GES gauged and sampled MW-23S instead of MW-23D.

BENCHMARK

# TABLE 3

## SUMMARY OF PRE- AND POST-REMEDIAL GROUNDWATER ANALYTICAL RESULTS

**275 Franklin Street & 432 Pearl Street Sites**
**BCP Sites No. C915208 & C915237**
**Buffalo, New York**

| Monitoring Location & Sample Date | | Parameter [1] | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | TCL Volatile Organic Compounds (ug/L) | | | | | | | | | | | Field Measurements (units as indicated) | | | | | |
| | | 2-Butanone (MEK) | Carbon disulfide | Chloroform | 1,1-Dichloroethene | cis-1,2-Dichloroethene | trans-1,2-Dichloroethene | Methylene chloride | Tetrachloroethene | Trichloroethene | Vinyl chloride | *Total TCL cVOCs* | pH (units) | Temperature (°C) | Specific Conductance (uS) | Turbidity | ORP (mV) | DO (ppm) |
| **GWQS [2]** | | **50** | **--** | **7** | **5** | **5** | **5** | **5** | **5** | **5** | **2** | **--** | **6.5 - 8.5** | **--** | **--** | **--** | **--** | **--** |
| ***Shallow Overburden Wells*** | | | | | | | | | | | | | | | | | | |
| **PZ-2** | 11/16/06 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | <10 | 90 | < 10 | <10 | **90** | 7.26 | 16.3 | 4646 | < 1000 | 78 | 7.27 |
| | 04/24/08 | < 20 | < 4 | < 4 | < 4.0 | < 4 | < 4 | <4.0 | 120 | < 4 | <4.0 | **120** | 7.38 | 14.0 | 4143 | < 1000 | 163 | 5.81 |
| | **08/18/08** | **HRC INJECTION** | | | | | | | | | | | | | | | | |
| | 10/02/08 | 8.3 | < 1 | < 1 | < 1.0 | 4.6 | < 1 | < 1 | 230 D | 5.7 | < 1 | **240** | 6.73 | 15.7 | 6981 | < 1000 | -10 | 2.39 |
| | 12/18/08 | < 20 | < 4 | < 4 | < 4.0 | 3.5 | < 4 | < 4 | 270 D | 5.6 | < 4 | **279** | 7.31 | 8.3 | 4977 | < 1000 | -25 | 3.32 |
| | 02/11/09 | < 5 | < 1 | < 1 | < 1.0 | 1.3 J | < 1 | < 1 | 83 | 4 | < 1 | **88** | 7.28 | 11.9 | 4926 | 18 | -56 | 3.08 |
| | 04/21/09 | < 5 | < 1 | < 1 | < 1.0 | 2.3 | < 1 | < 1 | 110 D | 20 | < 1 | **132** | 7.18 | 12.2 | 7537 | 6.3 | -60 | 3.02 |
| | 07/17/09 | < 5 | < 1 | < 1 | < 1.0 | 1.2 | < 1 | < 1 | 77 D | 12 | < 1 | **90** | 7.10 | 16.3 | 9630 | 11 | -199 | 2.34 |
| | 03/29/10 | < 5 | < 0.19 | < 0.34 | < 0.29 | < 1 | < 1 | < 0.44 | 60 | 3 | < 0.24 | **63** | 7.08 | 10.5 | 5814 | 4.8 | -48 | 3.04 |
| | 06/02/11 | < 10 | < 0.19 | < 0.34 | < 0.29 | 3.8 | < 0.9 | < 0.44 | 78 | 9.2 | < 0.9 | **91** | 7.42 | 15.5 | 4820 | 10 | 48 | 4.2 |
| | 06/05/12 | < 10 | < 0.19 | < 0.34 | < 0.29 | 5.7 | < 0.9 | < 0.44 | 200 D | 13 | < 0.9 | **219** | 7.38 | 15.3 | 4951 | 16 | 336 | 5.47 |
| **PZ-3** | 11/16/06 | < 10 | < 10 | < 10 | <10 | 1 J | < 10 | < 10 | 300 | < 10 | < 10 | **301** | 7.23 | 16.3 | 3590 | < 1000 | 527 | 3.77 |
| | 04/24/08 | < 25 | < 5 | < 5 | <5.0 | 6 | < 5 | < 5 | 400 | < 5 | < 5 | **406** | 7.60 | 16.8 | 4416 | < 1000 | 133 | 4.56 |
| | **08/18/08** | **HRC INJECTION** | | | | | | | | | | | | | | | | |
| | 10/02/08 | < 5 | < 1 | < 1 | <1.0 | 3.5 | < 1 | < 1 | 370 D | 1.7 | < 1 | **375** | 7.34 | 14.0 | 4801 | < 1000 | 17 | 4.94 |
| | 12/18/08 | < 20 | < 4 | < 4 | <4.0 | 2.1 J | < 4 | < 4 | 250 | < 4 | < 4 | **252** | 7.40 | 9.6 | 4244 | < 1000 | 93 | 5.29 |
| | 02/11/09 | < 5 | < 1 | < 1 | <1.0 | < 1 | < 1 | < 1 | 140 D | 1.2 | < 1 | **141** | 7.45 | 12.0 | 4667 | 37 | 416 | 5.46 |
| | 04/21/09 | < 5 | < 1 | < 1 | <1.0 | 0.73 J | < 1 | < 1 | 150 D | 1 J | < 1 | **152** | 7.35 | 10.8 | 4818 | 307 | 107 | 4.86 |
| | 07/17/09 | < 5 | < 1 | < 1 | <1.0 | < 1 | < 1 | < 1 | 72 D | < 1 | < 1 | **72** | 7.31 | 16.1 | 5436 | 6.5 | -59 | 5.22 |
| | 03/29/10 | < 5 | < 0.19 | < 0.34 | < 0.29 | < 1 | < 1 | < 0.44 | 17 | < 1 | < 0.24 | **17** | 7.16 | 10.4 | 4032 | 20 | -51 | 4.18 |
| | 06/02/11 | < 10 | < 0.19 | < 0.34 | < 0.29 | < 1 | < 1 | < 0.44 | 120 D | < 1 | < 1 | **120** | 7.22 | 14.9 | 5885 | 8.0 | -15 | 4.04 |
| | 06/05/12 | < 10 | < 0.38 | < 0.68 | < 0.58 | < 1 | < 1 | < 0.88 | 120 | < 1 | < 1.8 | **120** | 7.50 | 14.7 | 4276 | 17 | 179 | 4.84 |
| **PZ-4** | 11/16/06 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | 530 | 3 J | < 10 | **533** | 7.54 | 16.3 | 3782 | < 1000 | 49 | 5.92 |
| | 04/24/08 | < 25 | < 5 | < 5 | <5.0 | 46 | < 5 | < 5 | 1,900 D | 19 | < 5 | **1,965** | 7.29 | 13.4 | 6293 | < 1000 | 158 | 7.63 |
| | **08/18/08** | **HRC INJECTION** | | | | | | | | | | | | | | | | |
| | 10/02/08 | < 5 | < 1 | < 1 | ND | 56 | 0.82 J | < 1 | 2,800 D | 30 | < 1 | **2,888** | 7.40 | 15.7 | 5898 | < 1000 | 85 | 7.33 |
| | 12/18/08 | < 200 | < 40 | < 40 | <40 | 99 | < 40 | < 40 | 2,800 | 42 | < 40 | **2,941** | 7.38 | 9.3 | 10502 | < 1000 | 147 | 8.97 |
| | 02/11/09 | < 5 | < 1 | < 1 | <1.0 | 16 | < 1 | < 1 | 540 D,H | 9.4 | < 1 | **565** | 7.61 | 10.7 | 7079 | 17 | 48 | 9.22 |
| | 04/21/09 | < 5 | < 1 | < 1 | <1.0 | 6 | < 1 | < 1 | 520 D | 6.3 | < 1 | **532** | 7.37 | 11.7 | 18510 | 206 | 99 | 9.58 |
| | 07/17/09 | < 5 | < 1 | < 1 | <1.0 | 0.93 J | < 1 | < 1 | 180 D | 1.6 | < 1 | **183** | 7.61 | 16.7 | 12 | 6.5 | -46 | 6.69 |
| | 03/29/10 | < 50 | < 1.9 | < 3.4 | < 2.9 | < 10 | < 10 | < 4.4 | 46 D | < 10 | < 2.4 | **46** | 7.61 | 9.0 | 6934 | 13 | 0 | 9.37 |
| | 06/02/11 | < 10 | < 0.19 | < 0.34 | < 0.29 | 9.1 | < 1 | < 0.44 | 390 D | 8.1 | < 1 | **407** | 7.49 | 13.5 | 9095 | 9.0 | 36 | 8.02 |
| | 06/05/12 | < 50 | < 0.95 | < 1.7 | < 1.5 | 15 | < 1 | < 2.2 | 950 D | 24 | < 4.5 | **989** | 7.63 | 14.0 | 8812 | 16 | 289 | 7.71 |
| | **04/16/14** | **IET INJECTION** | | | | | | | | | | | | | | | | |
| | 06/18/14 | < 26 | < 3.8 | < 6.8 | < 5.8 | 39 | < 18 | < 8.8 | 1,200 | 35 | < 18 | **1,274** | 7.46 | 14.9 | 11710 | 30 | 71 | 4.95 |
| | 09/03/14 | < 26 | < 3.8 | < 6.8 | < 5.8 | 190 | < 18 | 11 J | 1,200 | 60 | < 18 | **1,450** | 7.44 | 18.9 | 9106 | 3.2 | -77 | 3.20 |
| | 04/16/15 | < 26 | < 3.8 | < 6.8 | < 5.8 | 110 | < 18 | < 8.8 | 940 | 59 | < 18 | **1,109** | 7.40 | 11.9 | 7306 | 9.9 | -37 | 7.73 |
| | 08/13/15 | < 26 | < 3.8 | < 6.8 | < 5.8 | 160 | < 18 | 11 J | 480 | 61 | < 18 | **701** | *7.47* | *22.0* | *12.82* | *> 1000* | *-143* | *2.79* |
| | 12/18/15 | < 19 | < 10 | < 7 | < 1.4 | 29 | < 7 | < 7 | 780 | 30 | < 0.7 | **839** | 7.67 | 11.4 | 5925 | 63 | 22 | 5.96 |
| | **Mar & Apr 2016** | **PERSULFOX INJECTIONS** | | | | | | | | | | | | | | | | |
| | 06/13/16 | < 39 | < 20 | < 14 | < 2.8 | 64 | < 14 | < 14 | 1,100 | 46 | < 1.4 | **1,210** | 7.07 | 16.5 | 10 | 217 | 197 | 5.45 |
| | 09/21/16 | < 39 | < 20 | < 14 | < 3.4 | 34 J | < 14 | < 14 | 630 | 34 | < 1.4 | **698** | 7.75 | 26.3 | 5784 | 510 | 321 | 5.27 |
| | **12/1-12/6/16** | **ON-SITE EXCAVATION** | | | | | | | | | | | | | | | | |
| | 01/23/17 | < 39 | < 20 | < 14 | < 3.4 | 58 | < 14 | < 14 | 1,000 | 52 | < 1.4 | **1,110** | 7.40 | 10.9 | 8883 | 159 | 184 | 7.51 |
| | 04/24/17 | < 39 | < 20 | < 14 | < 3.4 | 52 | < 14 | < 14 | 1,200 | 44 | < 1.4 | **1,296** | 7.71 | 15.7 | 7520 | 47 | 155 | 7.96 |
| **PZ-4R** | 11/12/18 | < 19 | < 10 | < 7 | < 1.7 | 17 J | < 7 | < 7 | 1,400 | 23 | < 0.71 | **1,423** | 7.30 | 13.8 | 6990 | > 1000 | 143 | 6.05 |
| | 04/05/19 | < 19 | < 10 | < 7 | < 1.7 | 38 | < 7 | < 7 | 1,200 D | 24 D | < 0.71 | **1,262** | 7.32 | 7.9 | 5409 | 620 | 196 | 11.28 |
| | 11/20/19 | < 19 | < 10 | < 7 | < 1.7 | 21 D J | < 7 | < 7 | 1,100 D | 21 D | < 0.71 | **1,142** | 7.47 | 15.4 | 7111 | -- | 82 | 6.6 |
| | 04/01/20 | < 19 | < 10 | < 7 | < 1.7 | 29 D | < 7 | < 7 | 1,100 D | 23 D | < 0.71 | **1,152** | 7.72 | 10.0 | 5525 | 900 | 37 | 9.2 |
| | 11/13/20 | < 39 | < 20 | < 14 | < 3.4 | 36 D J | < 14 | < 14 | 2,000 D | 37 D | < 1.4 | **2,073** | 7.37 | 16.7 | 6688 | 237 | 60 | 7.23 |
| | 04/01/21 | < 19 | < 10 | < 7 | < 1.7 | 35 D | < 7 | < 7 | 1,600 D | 26 D | < 0.71 | **1,661** | 7.16 | 9.7 | 5519 | 32 | 212 | 10.47 |
| | 11/02/21 | < 19 | < 10 | < 7 | < 1.7 | 35 D2 | < 7 | < 7 | 2,100 D | 36 D2 | < 0.71 | **2,171** | 7.44 | 19.2 | 5352 | 5 | 130 | 5.68 |
| | 04/05/22 | < 19 | < 10 | < 7 | < 1.7 | 37 D | < 7 | < 7 | 1,400 D | 24 D | < 0.71 | **1,461** | 7.61 | 11.2 | 5324 | 26 | -44 | 8.66 |
| | 11/10/22 | < 19 | < 10 | < 7 | < 1.7 | 37 D | < 7 | < 7 | 1,600 D | 37 D | < 0.71 | **1,674** | 7.31 | 18.3 | 7071 | 17 | 16.6 | 6.53 |
| | 04/04/23 | < 19 | < 10 | < 7 | < 1.7 | 11 J D | < 7 | < 7 | 860 D | 14 D | < 0.71 | **885** | 7.74 | 11.4 | 2635 | 190 | 174 | 9.29 |

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# TABLE 3

## SUMMARY OF PRE- AND POST-REMEDIAL GROUNDWATER ANALYTICAL RESULTS

**275 Franklin Street & 432 Pearl Street Sites**
**BCP Sites No. C915208 & C915237**
**Buffalo, New York**

| Monitoring Location & Sample Date | | Parameter [1] | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | TCL Volatile Organic Compounds (ug/L) | | | | | | | | | | | Field Measurements (units as indicated) | | | | | |
| | | 2-Butanone (MEK) | Carbon disulfide | Chloroform | 1,1-Dichloroethene | cis-1,2-Dichloroethene | trans-1,2-Dichloroethene | Methylene chloride | Tetrachloroethene | Trichloroethene | Vinyl chloride | *Total TCL cVOCs* | pH (units) | Temperature (°C) | Specific Conductance (uS) | Turbidity | ORP (mV) | DO (ppm) |
| **GWQS [2]** | | **50** | **--** | **7** | **5** | **5** | **5** | **5** | **5** | **5** | **2** | **--** | **6.5 - 8.5** | **--** | **--** | **--** | **--** | **--** |
| PZ-5 | 11/20/06 | < 10 | < 10 | < 10 | <10 | 42 | < 10 | < 10 | 9,700 | 11 | < 10 | **9,753** | 7.22 | 10.9 | 3722 | < 1000 | 111 | 5.42 |
| | 04/24/08 | < 20 | < 4 | < 4 | <4.0 | 160 | < 4 | < 7 | 3,100 DJ | 20 | < 0.71 | **3,280** | 7.22 | 12.1 | 3710 | < 1000 | 122 | 4.4 |
| | **08/18/08** | **HRC INJECTION** | | | | | | | | | | | | | | | | |
| | 10/02/08 | < 5 | < 1 | < 1 | <1.0 | 38 | < 1 | < 1 | 3,000 D | 7.3 | < 1 | **3,045** | 7.33 | 16.4 | 3773 | < 1000 | -37 | 4.51 |
| | 12/18/08 | < 200 | < 40 | < 40 | <40 | 120 | < 40 | < 40 | 5,600 D | < 40 | < 40 | **5,720** | 7.42 | 11.0 | 4622 | < 1000 | -10 | 5.07 |
| | 02/11/09 | < 5 | < 1 | < 1 | <1.0 | < 1 | < 1 | < 1 | 150 D | < 1 | < 1 | **150** | 7.48 | 11.2 | 2872 | 15 | 35 | 4.74 |
| | 04/21/09 | < 5 | < 1 | 0.41 J | <1.0 | 54 | 0.4 J | < 1 | 760 D | 8.7 | < 1 | **823** | 7.41 | 12.6 | 3905 | 38 | 60 | 3.11 |
| | 07/17/09 | < 5 | < 1 | < 1 | <1.0 | 33 | < 1 | < 1 | 6,000 D | 9.3 | < 1 | **6,044** | 7.26 | 16.5 | 4255 | 44 | 28 | 2.95 |
| | 03/29/10 | < 5 | < 0.19 | < 0.34 | < 0.29 | 8 | < 1 | < 0.44 | 1,300 D | 3.1 | < 0.24 | **1,311** | 7.32 | 8.8 | 4341 | 4.5 | 0 | 4.32 |
| | 06/29/11 | < 10 | < 0.19 | < 0.34 | < 0.29 | 11 | < 1 | < 0.44 | 3,200 D | 4.3 | < 0.9 | **3,215** | 7.26 | 16.6 | 4802 | 7.8 | 50 | 3.89 |
| | 06/05/12 | < 10 | < 4.8 | < 8.5 | < 7.3 | < 1 | < 1 | < 11 | 1,600 | < 1 | < 23 | **1,600** | 7.34 | 14.2 | 3469 | 13 | 57 | 4.73 |
| | **04/16/14** | **IET INJECTION** | | | | | | | | | | | | | | | | |
| | 06/18/14 | < 33 | < 4.8 | < 8.5 | < 7.3 | < 20 | < 23 | < 11 | 3,800 D | < 12 | < 23 | **3,800** | 7.50 | 15.3 | 4135 | 21 | 163 | 5.91 |
| | 09/03/14 | < 33 | < 4.8 | < 8.5 | < 7.3 | < 20 | < 23 | 14 J | 2,300 | < 12 | < 23 | **2,314** | 7.48 | 17.6 | 4985 | 7.1 | 179 | 3.67 |
| | 04/16/15 | < 1.3 | < 0.19 | < 0.34 | < 0.29 | 33 | < 0.9 | < 0.44 | 5.8 | 2.8 | < 0.9 | **42** | 7.29 | 11.8 | 3790 | 19 | -49 | 7.07 |
| | 08/13/15 | < 1.3 | < 0.19 | 3 | < 0.29 | 29 | < 0.9 | < 0.44 | 1,100 D | 3 | < 0.9 | **1,132** | 7.54 | 16.3 | 4251 | 8.7 | 20 | 5.44 |
| | **12/1-12/6/16** | **ON-SITE EXCAVATION** | | | | | | | | | | | | | | | | |
| | 01/24/17 | < 19 | < 10 | < 7 | < 1.7 | < 7 | < 7 | < 7 | 880 D | 2.7 J | < 0.71 | **883** | 7.32 | 11.5 | 2752 | 1.4 | 237 | 4.54 |
| | 04/24/17 | < 19 | < 10 | < 7 | < 1.7 | 28 | < 7 | < 7 | 740 | 3.4 J | < 0.71 | **771** | 7.48 | 10.8 | 2976 | 7.0 | 148 | 5.09 |
| | 11/12/18 | < 7.8 | < 4 | < 2.8 | < 0.68 | < 2.8 | < 2.8 | < 2.8 | 340 J | < 0.7 | < 0.28 | **340** | 7.31 | 13.8 | 2952 | 3.7 | 91 | 4.92 |
| | 04/05/19 | < 3.9 | < 2 | 6.5 D | < 0.34 | < 1.4 | < 1.4 | < 1.4 | 160 D | 0.62 J D | < 0.14 | **167** | 7.61 | 11.1 | 2259 | 4.3 | 91 | 7.18 |
| | 11/20/19 | < 4.8 | < 2.5 | < 1.8 | < 0.42 | < 1.8 | < 1.8 | < 1.8 | 220 D | < 0.44 | < 0.18 | **220** | 7.38 | 15.1 | 4616 | -- | 153 | 4.53 |
| | 04/01/20 | < 1.9 | < 1 | 0.89 J | < 0.17 | 1.1 J | < 0.7 | < 0.7 | 280 D | 1.1 | < 0.07 | **283** | 7.46 | 11.2 | 3722 | 2.0 | 143 | 5.62 |
| | 11/13/20 | < 3.9 | < 2 | 2.3 D J | < 0.34 | < 1.4 | < 1.4 | < 1.4 | 180 D | < 0.35 | < 0.14 | **182** | 7.57 | 16.3 | 4057 | 23 | 162 | 5.33 |
| | 04/01/21 | < 1.9 | < 1 | 5.2 | < 0.17 | < 0.7 | < 0.7 | < 0.7 | 160 | < 0.18 | < 0.07 | **165** | 7.46 | 11.3 | 2945 | 26 | 191 | 5.82 |
| | 11/02/21 | < 3.9 | < 2 | 2.6 D J | < 0.34 | 3.2 D J | < 1.4 | < 1.4 | 400 D | 2.2 D | < 0.14 | **408** | 7.35 | 16.3 | 3798 | 9.9 | 147 | 5.75 |
| | 04/05/22 | < 1.9 | < 1 | 3.6 | < 0.17 | < 0.7 | < 0.7 | < 0.7 | 190 | 0.21 J | < 0.07 | **194** | 7.35 | 13.5 | 2710 | 5.2 | 87 | 3.93 |
| | 11/10/22 | < 3.9 | < 2 | 1.4 D J | < 0.34 | < 1.4 | < 1.4 | < 1.4 | 260 D | < 0.35 | < 0.14 | **261** | 7.53 | 15.6 | 4649 | 33.9 | 137 | 6.23 |
| | 04/04/23 | < 3.9 | < 2 | < 1.4 | < 0.34 | < 1.4 | < 1.4 | < 1.4 | 210 D | < 0.35 | < 0.14 | **210** | 7.32 | 13.1 | 3492 | 9.51 | 160 | 5.77 |
| PZ-6 | 11/16/06 | < 10 | < 10 | < 10 | <10 | 26 | < 10 | < 10 | 1,000 | 5 J | < 10 | **1,031** | 7.75 | 16.0 | 3679 | < 1000 | 32 | 6.17 |
| | 04/24/08 | < 20 | < 4 | < 4 | <4.0 | 11 | < 4 | < 4 | 390 | 2.5 J | < 4 | **404** | 7.45 | 13.1 | 3998 | < 1000 | 137 | 4.95 |
| | **08/18/08** | **HRC INJECTION** | | | | | | | | | | | | | | | | |
| | 10/02/08 | < 5 | < 1 | < 1 | < 1.0 | 20 | 1.3 | < 1 | 1,400 D | 8.7 | < 1 | **1,430** | 7.45 | 15.1 | 3851 | < 1000 | 88 | 4.99 |
| | 12/18/08 | < 10 | < 2 | < 2 | < 2.0 | 1.7 | < 2 | < 2 | 92 | < 2 | < 2 | **94** | 7.49 | 10.4 | 3600 | < 1000 | 100 | 5.28 |
| | 02/11/09 | < 5 | < 1 | < 1 | < 1.0 | < 1 | < 1 | < 1 | 12 | < 1 | < 1 | **12** | 7.48 | 11.6 | 2560 | 140 | 72 | 4.49 |
| | 04/21/09 | < 5 | < 1 | < 1 | < 1.0 | 2.5 | < 1 | < 1 | 200 | 2.1 | < 1 | **205** | 7.36 | 11.4 | 4471 | 31 | 80 | 2.98 |
| | 07/17/09 | < 5 | < 1 | < 1 | < 1.0 | 0.9 J | < 1 | < 1 | 90 | 0.52 J | < 1 | **91** | 7.33 | 16.1 | 3894 | 21 | 28 | 3.52 |
| | 03/29/10 | < 5 | < 0.19 | < 0.34 | < 0.29 | 2 | < 1 | < 0.44 | 590 D | 1.2 | < 0.24 | **593** | 7.26 | 10.0 | 4044 | 39 | -64 | 4.58 |
| | 06/29/11 | < 10 | < 0.19 | < 0.34 | < 0.29 | 7 | < 1 | < 0.44 | 1,200 D | 3.6 | < 0.9 | **1,211** | 7.26 | 16.0 | 3261 | 10 | 63 | 3.7 |
| | 06/05/12 | < 10 | < 1.5 | < 2.7 | < 2.3 | < 1 | < 1 | < 3.5 | 390 | < 1 | < 7.2 | **390** | 7.39 | 14.4 | 2719 | 23 | 146 | 4.31 |
| | **04/16/14** | **IET INJECTION** | | | | | | | | | | | | | | | | |
| | 06/18/14 | <11 | < 1.5 | < 2.7 | < 2.3 | <6.5 | <7.2 | < 3.5 | 390 | <3.7 | < 7.2 | **390** | 7.48 | 15.1 | 5029 | 33 | 161 | 6.68 |
| | 09/03/14 | <6.6 | < 0.95 | < 1.7 | < 1.5 | 85 | <4.5 | < 2.2 | 280 | 5.6 | < 4.5 | **371** | 7.42 | 17.7 | 4164 | 7.6 | 145 | 4.07 |
| | 04/16/15 | <6.6 | < 0.95 | < 1.7 | < 1.5 | 12 | <4.5 | < 2.2 | 210 | <2.3 | < 4.5 | **222** | 7.30 | 13.1 | 2087 | 6.8 | 112 | 5.31 |
| | 08/13/15 | < 6.6 | < 0.95 | 3.6 J | < 1.5 | 37 | < 4.5 | 2.2 J | 800 D | 9.6 | < 4.5 | **847** | 7.69 | 15.2 | 3905 | 15 | 129 | 5.42 |
| | **12/1-12/6/16** | **ON-SITE EXCAVATION** | | | | | | | | | | | | | | | | |
| | 01/23/17 | < 19 | < 10 | < 7 | < 1.7 | < 7 | < 7 | < 7 | 500 | 8.2 | < 0.71 | **508** | 7.30 | 12.4 | 2833 | 2.7 | 239 | 5.04 |
| | 04/24/17 | < 1.9 | < 1 | < 0.7 | < 0.17 | 5.8 | < 0.7 | < 0.7 | 46 | 1.3 | < 0.07 | **53** | 7.10 | 10.6 | 2889 | 6.0 | 172 | 5.23 |
| | 11/12/18 | < 4.8 | < 2.5 | < 1.8 | < 0.42 | 2.4 J | < 1.8 | < 1.8 | 250 | 2.7 | < 0.18 | **255** | 7.40 | 12.7 | 2656 | 3.4 | 121 | 4.99 |
| | 04/05/19 | < 1.9 | < 1.0 | 2.4 J | < 0.17 | 1.5 J | < 0.7 | < 0.7 | 200 | 2.7 | < 0.07 | **207** | 6.92 | 11.3 | 3243 | 7.0 | 228 | 7.66 |
| | 11/20/19 | < 3.9 | < 2.0 | < 1.8 | < 0.42 | 2.1 D J | < 1.8 | < 1.8 | 170 D | 1.8 D | < 0.18 | **174** | 7.50 | 15.3 | 3184 | -- | 169 | 3.95 |
| | 04/01/20 | < 1.9 | < 1.0 | 1.2 J | < 0.17 | 1.3 J | < 0.7 | < 0.7 | 190 D | 2.2 | < 0.07 | **195** | 7.57 | 11.4 | 3864 | 8.2 | 130 | 5.96 |
| | 11/13/20 | < 3.9 | < 2.0 | 1.6 D J | < 0.34 | < 1.4 | < 1.4 | < 1.4 | 210 D | 1.7 D | < 0.14 | **213** | 7.16 | 16.5 | 4149 | 1.6 | 153 | 5.35 |
| | 04/01/21 | < 1.9 | < 1.0 | 4.8 | < 0.17 | < 0.7 | < 0.7 | < 0.7 | 66 | 0.31 J | < 0.07 | **71** | 7.36 | 10.9 | 2802 | 4.4 | 195 | 4.5 |
| | 11/02/21 | < 3.9 | < 2.0 | 2.8 D J | < 0.34 | 1.4 D J | < 1.4 | < 1.4 | 280 D | 2.2 D | < 0.14 | **286** | 7.45 | 16.0 | 3722 | 4.2 | 136 | 6.42 |
| | 04/05/22 | < 1.9 | < 1.0 | 2.2 J | < 0.17 | < 0.7 | < 0.7 | < 0.7 | 190 | 0.97 | < 0.07 | **193** | 7.48 | 11.5 | 3051 | 15.6 | 114 | 5.82 |
| | 11/10/22 | < 4.8 | < 2.5 | < 1.8 | < 0.42 | < 1.8 | < 1.8 | < 1.8 | 360 D | 2.9 D | < 0.18 | **363** | 7.30 | 16.3 | 5156 | 14.1 | 163 | 6.2 |
| | 04/04/23 | < 1.9 | < 1.0 | 0.97 J | < 0.17 | < 0.7 | < 0.7 | < 0.7 | 170 | 0.76 | < 0.07 | **172** | 7.35 | 13.3 | 3081 | 5.9 | 169 | 4.86 |
| PZ-7 | 11/16/06 | < 10 | < 10 | 1 J | < 10 | < 10 | < 10 | <10 | 4 J | < 10 | < 10 | **4.0** | 7.19 | 12.0 | 4713 | < 100 | 29 | 6 |
| | **08/18/08** | **HRC INJECTION** | | | | | | | | | | | | | | | | |
| | 03/30/10 | < 5 | < 1 | < 1 | < 0.29 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | **0** | 7.33 | 10.6 | 3915 | 243 | 8 | 8.51 |
| | 06/03/11 | < 5 | < 1 | < 1 | < 1.0 | < 1 | < 1 | < 1 | 0.64 J | < 1 | < 1 | **0.64** | 7.35 | 14.2 | 5456 | 14 | 92 | 6.01 |
| | 06/05/12 | < 10 | < 0.19 | 2 | < 0.29 | < 1 | < 1 | < 0.44 | 2.1 | < 1 | < 0.9 | **2.1** | 7.74 | 14.9 | 3145 | 29 | 520 | 8.08 |

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# TABLE 3

## SUMMARY OF PRE- AND POST-REMEDIAL GROUNDWATER ANALYTICAL RESULTS

**275 Franklin Street & 432 Pearl Street Sites**
**BCP Sites No. C915208 & C915237**
**Buffalo, New York**

| Monitoring Location & Sample Date | | Parameter [1] | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | TCL Volatile Organic Compounds (ug/L) | | | | | | | | | | | Field Measurements (units as indicated) | | | | | |
| | | 2-Butanone (MEK) | Carbon disulfide | Chloroform | 1,1-Dichloroethene | cis-1,2-Dichloroethene | trans-1,2-Dichloroethene | Methylene chloride | Tetrachloroethene | Trichloroethene | Vinyl chloride | *Total TCL cVOCs* | pH (units) | Temperature (°C) | Specific Conductance (uS) | Turbidity | ORP (mV) | DO (ppm) |
| **GWQS [2]** | | **50** | **--** | **7** | **5** | **5** | **5** | **5** | **5** | **5** | **2** | **--** | **6.5 - 8.5** | **--** | **--** | **--** | **--** | **--** |
| **PZ-8** | 11/16/06 | < 10 | <10 | 1 J | < 10 | < 10 | < 10 | <10 | 4 J | < 10 | < 10 | **4.0** | 7.42 | 17.1 | 3242 | < 100 | 119 | 7.86 |
| | **08/18/08** | **HRC INJECTION** | | | | | | | | | | | | | | | | |
| | 03/30/10 | < 5 | <1.0 | <1.0 | < 0.29 | < 1 | < 1 | <1.0 | 1.9 | < 1 | <1.0 | **1.9** | 7.78 | 11.3 | 3943 | 29 | 10 | 8.34 |
| | 06/02/11 | < 5 | <1.0 | 0.7 J | < 1.0 | < 1 | < 1 | < 0.44 | 1.9 | < 1 | < 0.9 | **2.6** | 7.72 | 14.4 | 2283 | 12 | 76 | 6.23 |
| | 06/04/12 | < 10 | < 0.19 | 0.58 J | < 0.29 | < 1 | < 1 | < 0.44 | 1.9 | < 1 | < 0.9 | **2.5** | 8.00 | 14.5 | 1516 | 14 | 561 | 8.09 |
| **PZ-9** | 11/16/06 | < 10 | < 10 | 1 J | < 10 | < 10 | < 10 | <10 | 10 | < 10 | < 10 | **10** | 7.37 | 170.0 | 2944 | < 100 | -52 | 4.38 |
| | **08/18/08** | **HRC INJECTION** | | | | | | | | | | | | | | | | |
| | 03/30/10 | < 25 | < 5 | < 5 | < 1.5 | < 5 | < 5 | < 5 | 9 D | < 5 | < 5 | **9.0** | 7.46 | 9.8 | 7571 | 25 | 22 | 8.91 |
| | 06/03/11 | < 10 | < 0.19 | 0.85 J | < 5.0 | < 5 | < 5 | < 0.44 | 6.8 | < 5 | < 0.9 | **6.8** | 7.35 | 14.2 | 5456 | 14 | 92 | 6.01 |
| | 06/04/12 | < 10 | < 0.19 | < 0.34 | < 0.29 | < 1 | < 1 | < 0.44 | 6.6 | < 1 | < 0.9 | **6.6** | 7.73 | 13.4 | 6535 | 202 | 614 | 7.51 |
| **PZ-10** | 11/16/06 | < 10 | <10 | 1 J | < 10 | < 10 | < 10 | <10 | 2 J | < 10 | < 10 | **2.0** | 7.01 | 17.1 | 4368 | < 100 | -89 | 4.8 |
| | **08/18/08** | **HRC INJECTION** | | | | | | | | | | | | | | | | |
| | 03/30/10 | < 5 | < 1 | <1.0 | < 0.29 | < 1 | < 1 | < 1 | 0.73 J | < 1 | < 1 | **0.73** | 7.88 | 11.6 | 3027 | 140 | 12 | 8.54 |
| | 06/03/11 | < 5 | < 0.19 | < 0.34 | < 1.0 | < 1 | < 1 | < 0.44 | 0.53 J | < 1 | < 0.9 | **0.53** | 7.51 | 13.6 | 9522 | 40 | 93 | 7.89 |
| | 06/04/12 | < 10 | < 0.19 | < 0.34 | < 0.29 | < 1 | < 1 | < 0.44 | 1 | < 1 | < 0.9 | **1.0** | 7.84 | 13.6 | 3300 | 47 | 552 | 7.14 |
| **PZ-11** | 01/05/07 | < 50 | <50 | <50 | <50 | 94 | < 50 | <50 | 18,000 D | < 50 | < 50 | **18,094** | 7.22 | 11.2 | 2865 | < 1000 | 110 | 5.46 |
| | 04/24/08 | < 2000 | < 400 | < 400 | <400 | 170 | < 400 | < 400 | 22,000 D | 34 | < 400 | **22,204** | 7.18 | 12.0 | 7975 | < 1000 | 187 | 5.17 |
| | **08/18/08** | **HRC INJECTION** | | | | | | | | | | | | | | | | |
| | 03/30/10 | < 20 | < 4 | < 4 | < 1.5 | 12 D | < 4 | < 4 | 6,800 D | 5.9 D | < 4 | **6,818** | 7.25 | 8.3 | 9696 | 54 | 5 | 6 |
| | 06/02/11 | < 10 | < 0.19 | < 0.34 | < 0.29 | 17 | < 1 | < 0.44 | 5,400 D | 5.6 | < 0.9 | **5,423** | 7.46 | 13.2 | 6102 | 47 | 99 | 4.08 |
| | 06/04/12 | < 500 | < 9.5 | < 17 | < 15 | < 50 | < 50 | < 22 | 3,400 | < 50 | < 45 | **3,400** | 7.51 | 14.4 | 4076 | < 1000 | 564 | 4.36 |
| | **04/16/14** | **IET INJECTION** | | | | | | | | | | | | | | | | |
| | 06/18/14 | < 26 | < 3.8 | < 6.8 | < 5.8 | < 16 | < 18 | < 8.8 | 1,500 | < 9.2 | < 18 | **1,500** | 7.75 | 17.8 | 4937 | 43 | 125 | 3.35 |
| | 09/03/14 | < 6.6 | < 0.95 | < 1.7 | < 1.5 | 14 | < 4.5 | < 2.2 | 480 | 5.8 | < 4.5 | **500** | 7.41 | 18.0 | 4627 | 46 | 84 | 3.25 |
| | 04/16/15 | < 6.6 | < 0.95 | < 1.7 | < 1.5 | 95 | < 4.5 | < 2.2 | 16,000 D | 34 | < 4.5 | **16,129** | 7.30 | 11.7 | 5334 | 11 | 110 | 5.7 |
| | 08/13/15 | < 260 | < 38 | < 68 | < 58 | < 160 | < 180 | 100 J | 4,300 | < 92 | < 180 | **4,300** | 7.51 | 20.3 | 5909 | 30 | 7 | 3.45 |
| | **12/1-12/6/16** | **ON-SITE EXCAVATION** | | | | | | | | | | | | | | | | |
| | 01/24/17 | < 190 | < 100 | < 70 | < 17 | < 70 | < 70 | < 70 | 5,500 | < 18 | < 7.1 | **5,500** | 7.49 | 10.8 | 3815 | 9.0 | 241 | 2.42 |
| | 04/24/17 | < 190 | < 100 | < 70 | < 17 | < 70 | < 70 | < 70 | 5,600 | < 18 | < 7.1 | **5,600** | 7.50 | 11.2 | 6943 | 9.4 | 120 | 5.19 |
| | 11/12/18 | < 19 | < 10 | < 7 | < 1.7 | 18 J | < 7 | < 7 | 1,300 | 14 | < 0.71 | **1,332** | 7.39 | 13.7 | 3248 | 2.7 | 72 | 4.57 |
| | 04/05/19 | < 78 | < 40 | < 28 | < 6.8 | < 28 | < 28 | < 28 | 4,100 D | 21 D | < 2.8 | **4,121** | 7.51 | 9.8 | 3331 | 1.9 | 83 | 5.85 |
| | 11/20/19 | < 4.8 | < 2.5 | < 1.8 | < 0.42 | 7.7 D | < 1.8 | < 1.8 | 440 D | 4 D | < 0.18 | **452** | 7.35 | 14.5 | 4360 | -- | 51 | 4.06 |
| | 04/01/20 | < 19 | < 10 | < 7 | < 1.7 | < 7 | < 7 | < 7 | 1,000 D | 2.5 J D | < 0.71 | **1,003** | 7.31 | 10.8 | 5718 | < 100 | 98 | 4.41 |
| | 11/13/20 | < 39 | < 20 | < 14 | < 3.4 | < 14 | < 14 | < 14 | 3,000 D | 6.6 J D | < 1.4 | **3,007** | 7.41 | 16.8 | 4754 | 6.7 | -2 | 4.51 |
| | 04/01/21 | < 39 | < 20 | < 14 | < 3.4 | < 14 | < 14 | < 14 | 2,400 D | 7.3 J D | < 1.4 | **2,407** | 7.50 | 10.3 | 3703 | 4.2 | 82 | 5.81 |
| | 11/02/21 | < 3.9 | < 2.0 | 2.6 D J | < 0.34 | < 1.4 | < 1.4 | < 1.4 | 350 D | 0.96 J D | < 0.14 | **354** | 7.47 | 16.9 | 3421 | 3.7 | 79 | 4.57 |
| | 04/05/22 | < 19 | < 10 | < 7 | < 1.7 | 7.5 J D | < 7 | < 7 | 1,500 D | 9.2 D | < 0.71 | **1,517** | 7.47 | 13.9 | 5121 | 3.2 | 77 | 4.88 |
| | 11/10/22 | < 19 | < 10 | < 7 | < 1.7 | 7.5 J D | < 7 | < 7 | 800 D | 5.2 D | < 0.71 | **813** | 7.26 | 17.1 | 4292 | 5.3 | 169 | 3.00 |
| | 04/04/23 | < 19 | < 10 | < 7 | < 1.7 | 11 J D | < 7 | < 7 | 1,200 D | 5.3 D | < 0.71 | **1,216** | 7.36 | 12.0 | 3974 | 7.19 | 170 | 4.93 |
| **PZ-12** | 01/05/07 | < 200 | <200 | <200 | <200 | < 200 | < 200 | <200 | 7,200 D | < 200 | < 200 | **7,200** | 7.03 | 11.5 | 3083 | < 1000 | 103 | 4.00 |
| | 04/24/08 | < 25 | < 5 | < 5 | <5.0 | 230 | < 5 | < 5 | 23,000 D | 23 | < 5 | **23,253** | 7.21 | 13.0 | 4004 | < 1000 | 201 | 3.34 |
| | **08/18/08** | **HRC INJECTION** | | | | | | | | | | | | | | | | |
| | 03/30/10 | < 50 | < 10 | < 10 | < 2.9 | 7.4 DJ | < 10 | < 10 | 1,100 D | 12 D | <10 | **1,119** | 7.30 | 9.4 | 3741 | < 1000 | 7 | 2.38 |
| | 06/02/11 | < 10 | < 0.19 | < 0.34 | < 0.29 | 5.7 | < 1 | < 0.44 | 4,300 D | 4.3 | < 0.9 | **4,310** | 7.38 | 13.6 | 3294 | 100 | 89 | 2.57 |
| | 06/04/12 | < 100 | < 1.9 | < 3.4 | < 2.9 | 56 | < 10 | < 4.4 | 700 | 14 | < 9 | **770** | 7.51 | 14 | 3324 | 268 | 431 | 2.61 |
| | **04/16/14** | **IET INJECTION** | | | | | | | | | | | | | | | | |
| | 06/18/14 | < 13 | < 1.9 | < 3.4 | < 2.9 | < 8.1 | < 9 | < 4.4 | 3,700 D | < 4.6 | < 9 | **3,700** | 7.48 | 15.3 | 3177 | 36 | 157 | 2.89 |
| | 09/03/14 | < 26 | < 3.8 | < 6.8 | < 5.8 | < 16 | < 18 | < 8.8 | 2,200 D | < 9.2 | < 18 | **2,200** | 7.44 | 18.0 | 3564 | 9.9 | 68 | 1.97 |
| | 04/16/15 | < 53 | < 7.6 | < 14 | < 12 | 75 | < 36 | < 18 | 6,200 D | 20 J | < 36 | **6,295** | 7.22 | 10.9 | 3877 | 22 | 127 | 5.09 |
| | 08/13/15 | < 66 | < 9.5 | < 17 | < 15 | 66 | < 45 | 25 J | 1,900 D | < 23 | < 45 | **1,991** | 7.52 | 19.8 | 3552 | 74 | 15 | 2.12 |
| | **12/1-12/6/16** | **ON-SITE EXCAVATION** | | | | | | | | | | | | | | | | |
| | 01/24/17 | < 48 | < 25 | < 18 | < 4.2 | 26 J | < 18 | < 18 | 2,500 | 8.8 J | < 1.8 | **2,535** | 7.46 | 11.2 | 3403 | 15 | 244 | 3.35 |
| | 04/24/17 | < 39 | < 20 | < 14 | < 3.4 | 14 J | < 14 | < 14 | 1,900 | 7.8 J | < 1.4 | **1,922** | 7.60 | 12.8 | 3197 | 12 | 99 | 3.38 |
| | 11/12/18 | < 19 | < 10 | < 7 | < 1.7 | < 7 | < 7 | < 7 | 830 J | < 1.8 | < 0.71 | **830** | 7.48 | 14.1 | 2538 | 1 | 69 | 4.6 |
| | 04/05/19 | < 3.9 | < 2 | 9 D | < 0.34 | 3.2 J D | < 1.4 | < 1.4 | 250 D | 0.91 J D | < 0.14 | **263** | 7.70 | 10.2 | 1883 | 1 | 45 | 7.01 |
| | 11/20/19 | < 39 | < 20 | < 14 | < 3.4 | < 14 | < 14 | < 14 | 3,600 D | 7.9 J D | < 1.4 | **3,608** | 7.36 | 15.8 | 4539 | -- | 12 | 2.83 |
| | 04/01/20 | < 19 | < 10 | < 7 | < 1.7 | < 7 | < 7 | < 7 | 1,000 D | 3.3 J D | < 0.71 | **1,003** | 7.42 | 10.6 | 4236 | < 100 | 71 | 3.72 |
| | 11/13/20 | < 1.9 | < 1 | 1.4 J | < 0.17 | < 0.7 | < 0.7 | < 0.7 | 130 | 0.68 | < 0.07 | **132** | 7.51 | 16.7 | 3081 | 1.6 | 29 | 3.52 |
| | 04/01/21 | < 9.7 | < 5 | < 3.5 | < 0.84 | < 3.5 | < 3.5 | < 3.5 | 1,100 D2 | 2.4 J D | < 0.36 | **1,102** | 7.40 | 10.7 | 3232 | 5.3 | 94 | 4.66 |
| | 11/02/21 | < 4.8 | < 2.5 | 2.2 J D | < 0.42 | 5.5 J D | < 1.8 | < 1.8 | 410 D | 3.4 D | < 0.18 | **421** | 7.41 | 16.8 | 3786 | 4.8 | 62 | 3.50 |
| | 04/05/22 | < 9.7 | < 5 | < 3.5 | < 0.84 | < 3.5 | < 3.5 | < 3.5 | 500 D | 2.6 D | < 0.36 | **503** | 7.33 | 13.5 | 3275 | 3.4 | 76 | 3.39 |
| | 11/10/22 | < 9.7 | < 5 | < 3.5 | < 0.84 | < 3.5 | < 3.5 | < 3.5 | 680 D | 2.2 J D | < 0.36 | **682** | 7.30 | 16.2 | 3535 | 140 | 162 | 3.02 |
| | 04/04/23 | < 48 | < 25 | < 18 | < 4.2 | < 18 | < 18 | < 18 | 2800 D | 7.5 J D | < 1.8 | **2,808** | 7.39 | 11.6 | 3292 | 6.8 | 181 | 3.49 |

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# TABLE 3

## SUMMARY OF PRE- AND POST-REMEDIAL GROUNDWATER ANALYTICAL RESULTS

**275 Franklin Street & 432 Pearl Street Sites**
**BCP Sites No. C915208 & C915237**
**Buffalo, New York**

| Monitoring Location & Sample Date | Parameter [1] | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | TCL Volatile Organic Compounds (ug/L) | | | | | | | | | | | Field Measurements (units as indicated) | | | | | |
| | 2-Butanone (MEK) | Carbon disulfide | Chloroform | 1,1-Dichloroethene | cis-1,2-Dichloroethene | trans-1,2-Dichloroethene | Methylene chloride | Tetrachloroethene | Trichloroethene | Vinyl chloride | *Total TCL cVOCs* | pH (units) | Temperature (°C) | Specific Conductance (uS) | Turbidity | ORP (mV) | DO (ppm) |
| **GWQS [2]** | **50** | **--** | **7** | **5** | **5** | **5** | **5** | **5** | **5** | **2** | **--** | **6.5 - 8.5** | **--** | **--** | **--** | **--** | **--** |
| PZ-13 01/05/07 | < 10 | < 10 | < 10 | <10 | 1 J | < 10 | < 10 | 180 | < 10 | < 10 | **181** | 7.11 | 11.9 | 3304 | < 1000 | 68 | 5.18 |
| 04/24/08 | < 20 | < 4 | < 4 | <4.0 | 78 | < 4 | < 4 | 1,900 D | 25 | < 4 | **2,003** | 7.28 | 12.8 | 2487 | < 1000 | 131 | 5.7 |
| **08/18/08** | **HRC INJECTION** | | | | | | | | | | | | | | | | |
| 03/30/10 | < 5 | < 1 | < 1 | < 0.29 | 20 | < 1 | <1.0 | 98 | 11 | 1.2 | **130** | 7.11 | 10.1 | 3721 | 87 | -91 | 2.24 |
| 06/02/11 | < 5 | < 0.19 | < 0.34 | < 0.29 | 9.6 | < 1 | < 0.44 | 120 | 4.5 | < 0.9 | **134** | 7.54 | 14.3 | 3130 | 469 | -79 | 2.36 |
| 06/04/12 | < 20 | < 0.38 | < 0.68 | < 0.58 | 7.4 | < 2 | < 0.88 | 280 D | 7.1 | < 1.8 | **295** | 7.49 | 13.8 | 4080 | 667 | 344 | 3.5 |
| **04/16/14** | **IET INJECTION** | | | | | | | | | | | | | | | | |
| 06/18/14 | < 10 | < 0.19 | 0.54 J | < 0.29 | 6.4 | < 1 | < 0.44 | 78 | 0.94 J | < 0.9 | **86** | 7.98 | 18.7 | 3762 | 55 | 78 | 2.05 |
| 09/03/14 | < 1.3 | < 0.19 | < 0.34 | < 0.29 | 4.7 | < 0.9 | < 0.44 | 15 | 2.0 | < 0.9 | **22** | 7.52 | 17.8 | 3256 | 9.6 | -95 | 1.77 |
| 04/16/15 | 53 | 0.27 J | 0.62 J | 3.7 | 1300 D | 1.4 | < 0.44 | 55,000 D | 490 E | < 0.9 | **56,845** | 7.31 | 11.4 | 4266 | 22 | 105 | 5.45 |
| 08/13/15 | 53 J | < 1 | < 3.4 | < 2.9 | 450 | < 9 | < 4.4 | 44 D | < 4.6 | 52 | **546** | 7.42 | 19.1 | 6651 | 12 | -143 | 1.25 |
| **12/1-12/6/16** | **ON-SITE EXCAVATION** | | | | | | | | | | | | | | | | |
| 01/24/17 | < 3.9 | < 2 | < 1.4 | < 0.34 | 50 | 5.0 | < 1.4 | 79 | 19 | 18 | **171** | 7.13 | 11.3 | 5482 | 8.1 | -10 | 2.28 |
| 04/24/17 | < 19 | < 10 | < 7 | < 1.7 | 500 | 10 J | < 7 | 14 | 20 | 110 | **654** | 7.50 | 14.9 | 4829 | 14 | 0 | 2.98 |
| 11/12/18 | < 1.9 | < 1 | < 0.7 | < 0.17 | < 0.7 | 0.73 J | < 0.7 | 16 | 3.6 | 32 | **52** | 7.31 | 14.8 | 2991 | 83 | -89 | 2.81 |
| 04/05/19 | < 3.9 | < 2 | < 1.4 | 1.8 J D | 280 D | 1.8 J D | < 1.4 | 93 D | 76 D | 53 D | **506** | 7.15 | 10.4 | 4253 | 20 | -7 | 2.5 |
| 11/20/19 | < 1.9 | < 1 | < 0.7 | 0.23 J | 52 | 6.6 | < 0.70 | 13 | 14 | 38 | **124** | 7.56 | 16.0 | 2443 | -- | -90 | 1.34 |
| 04/01/20 | < 1.9 | < 1 | < 0.7 | < 0.17 | 44 | 1.5 J | < 7 | 21 | 9.6 | 8.9 | **85** | 7.62 | 11.2 | 2522 | 30 | 39 | 2.17 |
| 11/13/20 | < 1.9 | < 1 | < 0.7 | < 0.17 | 45 | 0.75 J | < 0.7 | 30 | 7.2 | 4.9 | **88** | 7.54 | 16.7 | 3702 | 17 | -29 | 2.5 |
| 04/01/21 | < 1.9 | < 1 | < 0.7 | < 0.17 | 28 | 1.2 J | < 0.7 | 25 | 9.7 | 3.9 | **68** | 7.38 | 11.4 | 3825 | 20 | 42 | 2.04 |
| 11/02/21 | < 1.9 | < 1 | < 0.7 | < 0.17 | 72 | 2.3 J | < 0.7 | 43 | 9.7 | 10 | **137** | 7.30 | 17.3 | 4553 | 40 | -26 | 2.68 |
| 04/05/22 | < 1.9 | < 1 | < 0.7 | < 0.17 | 70 | 1.7 J | < 0.7 | 12 | 10 | 4.3 | **98** | 7.51 | 13.5 | 2623 | 15 | -90 | 2.99 |
| 11/10/22 | < 1.9 | < 1 | < 0.7 | < 0.17 | 47 | 15 | < 0.7 | 72 | 17 | 18 | **169** | 7.34 | 16.9 | 3331 | 22 | 6 | 2.92 |
| 04/04/23 | < 1.9 | < 1 | < 0.7 | < 0.17 | 17 | 2.2 J | < 0.7 | 41 | 11 | 3.7 J+ | **75** | 7.58 | 11.9 | 1687 | 30.9 | 187 | 2.61 |
| PZ-14 01/05/07 | < 10 | <10 | <10 | < 10 | 6 J | < 10 | <10 | 3,000 D | < 10 | < 10 | **3,007** | 7.40 | 11.3 | 1798 | < 1000 | 56 | 5.5 |
| 04/24/08 | < 20 | < 4 | < 4 | < 4.0 | 28 | < 4 | < 4 | 5,300 D | 20 | < 4 | **5,348** | 7.40 | 11.6 | 1985 | < 1000 | 124 | 5.61 |
| **08/18/08** | **HRC INJECTION** | | | | | | | | | | | | | | | | |
| 04/08/10 | < 25 | < 5 | < 5 | < 5.0 | 30 | < 5 | 0.55 J | 1,100 D | 10 | < 5 | **1,140** | 7.18 | 11.8 | 4756 | 46 | 64 | 2.49 |
| 06/02/11 | < 10 | < 0.19 | < 0.34 | < 0.29 | 9.2 | < 1 | < 0.44 | 2,100 D | 5.8 | < 0.9 | **2,115** | 7.81 | 13.3 | 3861 | < 1000 | 104 | 6.1 |
| 06/04/12 | < 250 | < 4.8 | < 8.5 | < 7.3 | 26 | < 25 | < 11 | 1,200 | 12 J | < 23 | **1,238** | 7.73 | 13 | 4500 | 16 | 555 | 8.07 |
| **04/16/14** | **IET INJECTION** | | | | | | | | | | | | | | | | |
| 06/19/14 | < 26 | < 3.8 | < 6.8 | < 5.8 | < 16 | < 18 | < 8.8 | 910 | 15 D J | < 18 | **925** | 8.19 | 16.8 | 2230 | 36 | 108 | 4.00 |
| 09/03/14 | < 26 | < 3.8 | < 6.8 | < 5.8 | 89 | < 18 | 8.9 J | 1300 | 61 | < 18 | **1,450** | 7.80 | 18.7 | 3397 | 87 | -142 | 4.66 |
| 04/16/15 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| 08/13/15 | < 26 | < 3.8 | < 6.8 | < 5.8 | 270 | < 18 | 10 J | 590 | 36 | < 18 | **896** | 7.62 | 20.8 | 4894 | 736 | -126 | 1.58 |
| **12/1-12/6/16** | **ON-SITE EXCAVATION** | | | | | | | | | | | | | | | | |
| 01/24/17 | < 1.9 | < 1 | < 0.7 | 0.34 J | 290 D | 14 | < 0.7 | 4.8 | 12 | 130 | **451** | 7.32 | 10.9 | 4397 | 8.9 | -70 | 2.47 |
| 04/24/17 | < 7.8 | < 4 | < 2.8 | 0.68 J | 180 | 8.5 J | < 2.8 | 4.7 | 140 | 140 | **473** | 7.08 | 15.0 | 4276 | 35 | -126 | 1.81 |
| 11/12/18 | < 1.9 | < 1 | < 0.7 | < 0.17 | 50 | 1.8 J | < 0.7 | 32 | 9.8 | 20 | **114** | 7.39 | 14.0 | 2820 | 6.8 | -137 | 1.95 |
| 04/05/19 | < 3.9 | < 2 | < 1.4 | 0.5 J D | 170 D | 4.2 J D | < 1.4 | 150 D | 32 D | 30 D J | **387** | 7.48 | 10.0 | 2196 | 8.9 | -52 | 2.01 |
| 11/20/19 | < 1.9 | < 1 | 0.71 J | 0.34 J | 100 | 4.2 | < 0.70 | 33 | 12 | 35 | **185** | 7.48 | 15.3 | 2319 | -- | -121 | 1.72 |
| 04/01/20 | < 4.8 | < 2.5 | < 1.8 | 0.74 J D | 340 D | 5.4 J D | < 1.8 | 98 D | 28 D | 24 D | **496** | 7.48 | 10.7 | 4111 | 11.1 | -118 | 1.78 |
| 11/13/20 | < 9.7 | < 5 | < 3.5 | 1.1 J D | 580 D | 10 J D | < 3.5 | 110 D | 29 D | 82 D | **812** | 7.34 | 16.1 | 3691 | 9.4 | -64 | 1.73 |
| 04/01/21 | < 1.9 | < 1 | < 0.7 | 0.36 J | 150 | 2.1 J | < 0.7 | 170 | 38 | 6.3 | **367** | 7.37 | 10.8 | 3789 | 6.2 | 39 | 1.71 |
| 11/02/21 | < 3.9 | < 2 | < 1.4 | 0.79 J D | 390 D | 4.9 J D | < 1.4 | 190 D | 29 D | 35 D | **650** | 7.51 | 16.9 | 3222 | 8.3 | -71 | 2.68 |
| 04/05/22 | < 3.9 | < 2 | < 1.4 | 0.4 J D | 130 D | 3 J D | < 1.4 | 200 D | 20 D | 8 D | **361** | 7.41 | 13.5 | 5337 | 3.0 | -24 | 2.52 |
| 11/10/22 | < 7.8 | < 4 | < 2.8 | < 0.68 | 320 D | 3.1 J D | < 2.8 | 470 D | 35 D | 9.6 D | **838** | 7.51 | 15.9 | 2502 | 7.9 | 63 | 2.15 |
| 04/04/23 | < 9.7 | < 5 | < 3.5 | < 0.84 | 180 D | < 3.5 | < 3.5 | 550 D | 24 D | 1.4 J D | **755** | 7.32 | 11.2 | 3203 | 8.92 | 218 | 2.23 |

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# TABLE 3

## SUMMARY OF PRE- AND POST-REMEDIAL GROUNDWATER ANALYTICAL RESULTS

**275 Franklin Street & 432 Pearl Street Sites**
**BCP Sites No. C915208 & C915237**
**Buffalo, New York**

| Monitoring Location & Sample Date | | Parameter [1] | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | TCL Volatile Organic Compounds (ug/L) | | | | | | | | | | | Field Measurements (units as indicated) | | | | | |
| | | 2-Butanone (MEK) | Carbon disulfide | Chloroform | 1,1-Dichloroethene | cis-1,2-Dichloroethene | trans-1,2-Dichloroethene | Methylene chloride | Tetrachloroethene | Trichloroethene | Vinyl chloride | *Total TCL cVOCs* | pH (units) | Temperature (°C) | Specific Conductance (uS) | Turbidity | ORP (mV) | DO (ppm) |
| **GWQS [2]** | | **50** | **--** | **7** | **5** | **5** | **5** | **5** | **5** | **5** | **2** | **--** | **6.5 - 8.5** | **--** | **--** | **--** | **--** | **--** |
| **MW-5** | 04/25/08 | < 5 | < 1 | < 1 | <1.0 | 16 | < 1 | < 1 | 19,000 D J | 5.1 | < 1 | **19,022** | 7.33 | 13.8 | 3070 | < 1000 | -51 | 4.92 |
| | **08/18/08** | **HRC INJECTION** | | | | | | | | | | | | | | | | |
| | 10/02/08 | < 5 | < 1 | < 1 | ND | 20 | < 1 | < 1 | 50,000 D | 7.2 | < 1 | **50,032** | 7.27 | 13.7 | 3454 | 2213 | -40 | 6.27 |
| | 12/18/08 | < 2500 | <500 | <500 | < 500 | < 500 | < 500 | <500 | 34,000 D | < 500 | < 1 | **34,000** | 6.99 | 10.4 | 4089 | NA | -76 | 2.87 |
| | 02/11/09 | 4.9 J | < 1 | < 1 | < 1.0 | 66 | < 1 | < 1 | 36,000 D,H | 19 | < 1 | **36,088** | 7.17 | 13.4 | 5153 | 13 | -71 | 2.14 |
| | 04/21/09 | 11 | 0.82 J | 0.53 J | < 1.0 | 1 | 0.64 J | < 1 | 37,000 D | 27 | < 1 | **37,032** | 7.22 | 13.7 | 4730 | 2.6 | -115 | 1.23 |
| | 07/17/09 | < 5 | < 1 | 0.54 J | < 1.0 | 800 | 1 | < 1 | 31,000 D | 86 | < 1 | **31,890** | 7.02 | 15.5 | 5656 | 2.0 | -100 | 1.98 |
| | 03/29/10 | < 500 | < 97 | < 170 | < 150 | < 500 | < 500 | < 220 | 25,000 D | < 500 | < 120 | **25,000** | 6.81 | 11.3 | 6748 | 3.3 | -71 | 4.26 |
| | 06/02/11 | < 10 | < 0.19 | < 0.34 | < 0.29 | 4.8 | < 1 | < 0.44 | 49,000 D | 12 | < 1 | **49,021** | 7.26 | 13.1 | 5350 | 6.0 | -23 | 6 |
| | 06/05/12 | < 10 | < 150 | < 270 | < 230 | < 1 | < 1 | < 350 | 70,000 | < 1 | < 720 | **70,000** | 7.20 | 13.4 | 4892 | 3.4 | 593 | 4.58 |
| | **04/16/14** | **IET INJECTION** | | | | | | | | | | | | | | | | |
| | 06/19/14 | < 260 | < 38 | < 68 | < 58 | < 160 | < 180 | < 88 | 17,000 | 170 D J | < 180 | **17,170** | 7.66 | 18.9 | 4929 | 60 | -169 | 1.65 |
| | 09/03/14 | < 260 | < 38 | < 68 | < 58 | 6300 | < 180 | < 88 | 38,000 D | 2700 | < 180 | **47,000** | 7.41 | 17.0 | 4462 | 9.6 | -156 | 0.81 |
| | 04/16/15 | < 1300 | < 190 | < 340 | < 290 | 1700 | < 900 | < 440 | 43,000 | 670 J | < 900 | **45,370** | 7.32 | 12.9 | 4335 | 22 | -132 | 1.5 |
| | 08/13/15 | < 1300 | < 190 | < 340 | < 290 | 870 J | < 900 | < 440 | 120,000 D | < 460 | < 900 | **120,870** | 7.46 | 17.7 | 4964 | 39 | -122 | 1.29 |
| | 12/18/15 | < 1900 | < 1000 | < 700 | < 140 | 910 J | < 700 | < 700 | 190,000 | 350 J | < 70 | **191,260** | 7.57 | 11.4 | 3642 | > 100 | -51 | 1.12 |
| | **Mar & Apr 2016** | **PERSULFOX INJECTIONS** | | | | | | | | | | | | | | | | |
| | 06/13/16 | < 9700 | < 5000 | < 3500 | < 710 | < 3500 | < 3500 | < 3500 | 180,000 | < 880 | < 350 | **180,000** | 7.18 | 17.3 | 6387 | 96.4 | 17 | 1.02 |
| | 09/21/16 | < 3900 | < 2000 | < 1400 | < 340 | < 1400 | < 1400 | < 1400 | 110,000 | 470 J | < 140 | **110,470** | 7.17 | 21.6 | 6903 | 60.2 | -130 | 1.38 |
| **MW-5R** | **12/1-12/6/16** | **ON-SITE EXCAVATION** | | | | | | | | | | | | | | | | |
| | 01/23/17 | < 39 | < 20 | < 14 | < 3.4 | < 14 | < 14 | < 14 | 990 | 20 | < 1.4 | **1,010** | 6.97 | 12.1 | 6444 | 24.2 | 361 | 1.18 |
| | 04/24/17 | < 97 | < 50 | < 35 | < 8.4 | 160 | < 35 | < 35 | 3,600 | 55 | < 3.6 | **3,815** | 7.08 | 15.3 | 6542 | 83.2 | 319 | 1.31 |
| | 11/12/18 | < 19 | < 10 | < 7 | < 1.7 | 270 | < 7 | < 7 | 740 | 150 | < 0.71 | **1,160** | 7.22 | 14.3 | 4384 | 74.4 | 2.55 | 82 |
| | 04/05/19 | < 39 | < 20 | < 14 | < 3.4 | 270 D | < 14 | < 14 | 1,900 D | 300 D | < 1.4 | **2,470** | 7.10 | 10.8 | 6110 | 15.1 | 37 | 2.9 |
| | 11/20/19 | < 7.8 | < 4 | < 2.8 | < 0.68 | 160 D | < 2.8 | < 2.8 | 380 D | 120 D | < 0.28 | **660** | 7.04 | 15.6 | 4140 | -- | 7 | 1.42 |
| | 04/01/20 | < 19 | < 10 | < 7 | < 1.7 | 170 D | < 7 | < 7 | 980 D | 180 D | < 0.71 | **1,330** | 7.12 | 11.1 | 5826 | 31.2 | 92 | 1.23 |
| | 11/13/20 | < 9.7 | < 5 | < 3.5 | < 0.84 | 380 D | 9.5 J D | < 3.5 | 460 D | 140 D | < 0.36 | **990** | 7.13 | 16.9 | 5413 | 16.4 | 94 | 1.15 |
| | 04/01/21 | < 9.7 | < 5 | < 3.5 | < 0.84 | 280 D | 5.1 J D | < 3.5 | 1,000 D | 210 D | < 0.36 | **1,495** | 7.06 | 12.0 | 6439 | 15.8 | 39 | 1.27 |
| | 11/02/21 | < 9.7 | < 5 | < 3.5 | < 0.84 | 360 D | 4.9 J D | < 3.5 | 750 D | 150 D | < 0.36 | **1,265** | 7.31 | 17.0 | 5722 | -- | 87 | 1.13 |
| | 04/05/22 | < 9.7 | < 5 | < 3.5 | < 0.84 | 230 D | < 3.5 | < 3.5 | 790 D | 180 D | < 0.36 | **1,200** | 7.31 | 12.4 | 4843 | 43.8 | 115 | 6.29 |
| | 11/10/22 | < 7.8 | < 4 | < 2.8 | < 0.68 | 160 D | < 2.8 | < 2.8 | 580 D | 65 D | < 0.28 | **805** | 7.30 | 17.9 | 3284 | 24.2 | 90 | 2.8 |
| | 04/04/23 | < 9.7 | < 5 | < 3.5 | < 0.84 | 200 D | < 3.5 | < 3.5 | 710 D | 140 D | < 0.36 | **1,050** | 7.18 | 12.5 | 4329 | 7.5 | 133 | 2.35 |
| ***Intermediate Overburden Wells*** | | | | | | | | | | | | | | | | | | |
| **MW-1** | 12/08/06 | < 10 | < 10 | < 10 | <10 | 2 J | < 10 | 64 DJ | 4100 | 21 | < 10 | **4,123** | 7.09 | 10.5 | 1903 | < 1000 | 0 | 3.02 |
| | 04/24/08 | < 5 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | 26 | < 1 | < 1 | **26** | 7.73 | 19.4 | 1948 | < 1000 | 193 | 2.13 |
| | **08/18/08** | **HRC INJECTION** | | | | | | | | | | | | | | | | |
| | 10/02/08 | 23 | 1.9 | 0.65 J | < 1.0 | <1.0 | < 1 | < 1 | 29 | 0.51 J | < 1 | **30** | 5.90 | 12.5 | 2502 | 363 | 5 | 1.76 |
| | 12/18/08 | 21 | < 1 | < 1 | < 1.0 | 15 | < 1 | < 1 | 32 | 0.87 J | < 1 | **48** | 5.64 | 11.5 | 2217 | -13 | 25.2 | 0.067 |
| | 02/11/09 | 11 | < 1 | < 1 | < 1.0 | 20 | < 1 | < 1 | 8.4 | < 1 | < 1 | **28** | 5.86 | 13.3 | 2064 | 10 | -98 | 0.98 |
| | 04/21/09 | 4.3 J | 0.98 J | < 1 | < 1.0 | 16 | < 1 | < 1 | 12 | 0.58 J | < 1 | **29** | 6.70 | 14.1 | 1914 | 67 | -248 | 0.41 |
| | 07/17/09 | < 5 | 6.5 | < 1 | < 1.0 | 9.1 | < 1 | < 1 | 3.9 | < 1 | < 1 | **13** | 7.04 | 15.0 | 1945 | 4.1 | -273 | 0.59 |
| | 03/29/10 | < 5 | < 0.19 | < 0.34 | < 0.29 | 33 | < 1 | < 0.44 | 93 | 0.78 J | < 0.24 | **127** | 6.63 | 11.9 | 2093 | 50 | -193 | 1.58 |
| | 06/02/11 | < 10 | < 0.19 | < 0.34 | < 0.29 | 14 | < 1 | < 0.44 | 43 | < 1 | < 0.9 | **57** | 7.01 | 14.3 | 2070 | 13 | -195 | 0.95 |
| | 06/05/12 | < 10 | < 0.19 | < 0.34 | < 0.29 | 5 | < 1 | < 0.44 | 62 | 0.71 J | < 0.9 | **68** | 7.19 | 14.2 | 2153 | 7.5 | -158 | 0.92 |
| | 08/13/15 | < 1.3 | < 0.19 | < 0.34 | < 0.29 | 1.9 | < 0.9 | < 0.44 | 1.6 | < 0.46 | < 0.9 | **4.0** | 7.47 | 14.6 | 2384 | 16 | -82 | 1.32 |
| **MW-2** | 12/08/06 | < 10 | < 10 | < 10 | < 10.0 | < 10 | < 10 | < 10 | 5 J | < 10 | < 10 | **5.0** | 6.89 | 9.2 | 1774 | 122 | 16 | 1.6 |
| | **08/18/08** | **HRC INJECTION** | | | | | | | | | | | | | | | | |
| | 03/30/10 | < 5 | < 0.19 | < 0.34 | < 0.29 | < 1 | < 1 | < 0.44 | 6.5 | < 1 | < 0.24 | **6.5** | 7.34 | 12.8 | 3492 | 63 | 5 | 3.35 |
| | 06/03/11 | < 5 | < 0.19 | < 0.34 | < 0.29 | < 1 | < 1 | < 0.44 | 0.76 J | < 1 | < 0.9 | **0.76** | 7.23 | 15.4 | 2837 | 8.4 | 87 | 1.53 |
| | 06/04/12 | < 10 | < 0.19 | < 0.34 | < 0.29 | < 1 | < 1 | < 0.44 | 0.81 J | < 1 | < 0.9 | **0.81** | 7.47 | 14.3 | 3410 | 4.1 | 574 | 2.34 |
| | 08/13/15 | < 1.3 | < 0.19 | 0.37 J | < 0.29 | < 0.81 | < 0.9 | < 0.44 | 110 D | < 0.46 | < 0.9 | **110** | 7.52 | 17.4 | 2263 | 50 | -34 | 2.15 |
| **MW-3** | 12/08/06 | < 10 | < 10 | < 10 | < 10.0 | < 10 | < 10 | < 10 | 6 J | < 10 | < 10 | **6.0** | 6.91 | 9.6 | 1746 | 231 | 82 | 2.16 |
| | 04/24/08 | < 5 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | 0.55 J | < 1 | < 1 | **0.55** | 7.35 | 16.6 | 1821 | < 1000 | 99 | 4.09 |
| | **08/18/08** | **HRC INJECTION** | | | | | | | | | | | | | | | | |
| | 03/30/10 | < 5 | < 0.19 | < 0.34 | < 0.29 | < 1 | < 1 | < 0.44 | 7.1 | < 1 | < 0.24 | **7.1** | 7.05 | 11.8 | 2109 | 17 | -93 | 1.97 |
| | 06/02/11 | < 5 | < 0.19 | < 0.34 | < 0.29 | < 1 | < 1 | < 0.44 | 9.1 | < 1 | < 0.9 | **9.1** | 7.30 | 15.0 | 2000 | 7 | -63 | 1.6 |
| | 06/04/12 | < 10 | < 0.19 | < 0.34 | < 0.29 | < 1 | < 1 | < 0.44 | 1.1 | < 1 | < 0.9 | **1.1** | 7.50 | 13.6 | 2024 | 7.4 | 473 | 3.4 |
| | 08/13/15 | < 1.3 | < 0.19 | < 0.34 | < 0.29 | < 0.81 | < 0.9 | 0.44 | 93 | < 0.46 | < 0.9 | **93** | 7.46 | 18.8 | 2225 | 2.4 | 27 | 1.59 |

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# TABLE 3

## SUMMARY OF PRE- AND POST-REMEDIAL GROUNDWATER ANALYTICAL RESULTS

**275 Franklin Street & 432 Pearl Street Sites**
**BCP Sites No. C915208 & C915237**
**Buffalo, New York**

| Monitoring Location & Sample Date | | Parameter [1] | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | TCL Volatile Organic Compounds (ug/L) | | | | | | | | | | | Field Measurements (units as indicated) | | | | | |
| | | 2-Butanone (MEK) | Carbon disulfide | Chloroform | 1,1-Dichloroethene | cis-1,2-Dichloroethene | trans-1,2-Dichloroethene | Methylene chloride | Tetrachloroethene | Trichloroethene | Vinyl chloride | *Total TCL cVOCs* | pH (units) | Temperature (°C) | Specific Conductance (uS) | Turbidity | ORP (mV) | DO (ppm) |
| **GWQS [2]** | | **50** | **--** | **7** | **5** | **5** | **5** | **5** | **5** | **5** | **2** | **--** | **6.5 - 8.5** | **--** | **--** | **--** | **--** | **--** |
| ***Deep Overburden Wells*** | | | | | | | | | | | | | | | | | | |
| **MW-4** | 04/24/08 | < 5 | < 1 | < 1 | <1.0 | 1.2 | < 1 | < 1 | 300 D | 0.6 J | < 1 | **302** | 7.30 | 18.0 | 1879 | < 1000 | 114 | 3.27 |
| | **08/18/08** | **HRC INJECTION** | | | | | | | | | | | | | | | | |
| | 10/02/08 | 17 | 1.1 | < 1 | ND | 4 | < 1 | < 1 | 11 | < 1 | < 1 | **15** | 6.23 | 13.5 | 2830 | 178 | -46 | 1.71 |
| | 12/18/08 | 25 | < 1 | < 1 | < 1 | 4.6 | < 1 | < 1 | 7.1 | < 1 | < 1 | **12** | 5.90 | 11.2 | 2821 | NA | -76 | 0.84 |
| | 02/11/09 | 28 | < 1 | < 1 | < 1.0 | 6.3 | < 1 | < 1 | 2 | < 1 | < 1 | **8** | 6.17 | 13.4 | 2435 | 20 | -132 | 0.93 |
| | 04/21/09 | 20 | 0.41 J | < 1 | < 1.0 | 1.6 | < 1 | < 1 | 1.9 | < 1 | < 1 | **4** | 6.50 | 4.9 | 2003 | 16 | -198 | 0.68 |
| | 07/17/09 | 19 | 0.61 J | < 1 | < 1.0 | 2 | < 1 | < 1 | 73 | < 1 | < 1 | **75** | 6.64 | 16.2 | 2642 | 15 | -185 | 0.64 |
| | 03/29/10 | < 5 | < 0.19 | < 0.34 | < 0.29 | 1.3 | < 1 | < 0.44 | 4.8 | < 1 | < 0.24 | **6.1** | 7.01 | 11.3 | 2161 | 6.6 | -118 | 1.29 |
| | 06/02/11 | < 10 | < 0.19 | < 0.34 | < 0.29 | < 1 | < 1 | < 0.44 | 2.4 | < 1 | < 1 | **2.4** | 7.29 | 13.9 | 2053 | 8.0 | -82 | 8 |
| | 06/05/12 | < 10 | < 0.19 | < 0.34 | < 0.29 | 2.5 | < 1 | < 0.44 | 120 D | 3.3 | < 0.9 | **126** | 7.19 | 14.0 | 2156 | 4.5 | 21 | 2.57 |
| | 08/13/15 | < 1.3 | < 0.19 | < 0.34 | < 0.29 | 1.6 | < 0.9 | < 0.44 | 1.0 | < 0.46 | < 0.9 | **2.6** | 7.39 | 16.2 | 2339 | 14 | -59 | 1.56 |
| **MW-6** | 04/25/08 | < 20 | < 4 | < 4 | ND | < 4 | < 4 | < 4 | 9400 D | 8.8 J | < 4 | **9409** | 7.57 | 15.2 | 1861 | < 1000 | -138 | 2.18 |
| | **08/18/08** | **HRC INJECTION** | | | | | | | | | | | | | | | | |
| | 10/02/08 | 43 | < 1 | < 1 | ND | 44 | < 1 | < 1 | 53 | 9.5 | < 1 | **107** | 6.57 | 13.7 | 2475 | 3669 | -51 | 1.94 |
| | 12/18/08 | 130 | < 1 | < 1 | < 1 | 150 D | 1.2 | < 1 | 21 | < 1 | < 1 | **172** | 5.79 | 11.8 | 3911 | NA | 0.111 | 0.78 |
| | 02/11/09 | 45 D | < 1 | < 1 | < 1.0 | 270 D | < 1 | < 1 | 22 D | 17 D | < 1 | **309** | 5.91 | 12.9 | 3565 | 46 | -102 | 1.53 |
| | 04/21/09 | 29 | 0.52 J | < 1 | < 1.0 | 130 D | 1.5 | < 1 | 43 | 14 | < 1 | **189** | 6.64 | 14.5 | 2394 | 31 | -142 | 0.93 |
| | 07/17/09 | 11 DJ | 2.5 DJ | <4.0 | < 4.0 | 240 D | < 4 | 3.1 DJ | 17 D | 3.8 D | <4.0 | **261** | 7.04 | 15.0 | 2156 | 16 | -131 | 2.32 |
| | 03/29/10 | < 10 | < 0.39 | < 0.67 | < 0.59 | 28 D | < 2 | < 0.88 | 140 D | 36 D | < 0.49 | **204** | 7.11 | 12.0 | 2261 | 12 | -85 | 2.51 |
| | 06/02/11 | < 10 | < 0.19 | < 0.34 | < 0.29 | 29 | < 1 | < 0.44 | 200 D | 19 D | < 0.9 | **248 D** | 7.20 | 14.3 | 2066 | 13 | -90 | 1.72 |
| | 06/05/12 | < 10 | < 0.38 | < 0.68 | < 0.58 | 6 | < 1 | < 0.88 | 91 | 42 | < 1.8 | **139** | 7.31 | 13.8 | 2217 | 16 | 5 | 2.52 |
| | 08/13/15 | < 1.3 | < 0.19 | < 0.34 | < 0.29 | 12 | < 0.9 | < 0.44 | 1.2 | 1.3 | < 0.9 | **15** | 7.40 | 15.5 | 2268 | 27 | -71 | 1.28 |
| **MW-7** | **08/18/08** | **HRC INJECTION** | | | | | | | | | | | | | | | | |
| | 06/05/12 | < 10 | < 0.19 | < 0.34 | < 0.29 | 51 | < 1 | < 0.44 | 18 | < 1 | < 0.9 | **69** | 7.26 | 13.9 | 2089 | 29 | 1.7 | 85 |
| | 08/14/15 | 910 | 50 | < 6.8 | < 5.8 | 38 | < 18 | 13 J | < 7.2 | < 9.2 | < 18 | **38** | Poor quality of groundwater prevented sample measurement. | | | | | |
| ***Off-Site NYSDEC Wells (S = shallow, D = deep) [3]*** | | | | | | | | | | | | | | | | | | |
| **MW-21S** Decommissioned 2018 | **08/18/08** | **HRC INJECTION** | | | | | | | | | | | | | | | | |
| | 05/28/09 | < 5 | < 1 | 0.75 J | <1.0 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | **0** | (4) | (4) | (4) | (4) | (4) | (4) |
| | 06/07/11 | < 10 | < 5 | < 5 | <5.0 | < 5 | < 5 | <5.0 | < 5 | < 5 | < 5 | **0** | (4) | (4) | (4) | (4) | (4) | (4) |
| **MW-21D** Decommissioned 2018 | **08/18/08** | **HRC INJECTION** | | | | | | | | | | | | | | | | |
| | 05/28/09 | < 5 | < 1 | 1.4 J | <1.0 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | **0** | (4) | (4) | (4) | (4) | (4) | (4) |
| | 06/07/11 | < 10 | < 5 | < 5 | <5.0 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | **0** | (4) | (4) | (4) | (4) | (4) | (4) |
| **MW-22S** Decommissioned 2018 | **08/18/08** | **HRC INJECTION** | | | | | | | | | | | | | | | | |
| | 05/28/09 | < 5 | < 1 | < 1 | <1.0 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | **0** | (4) | (4) | (4) | (4) | (4) | (4) |
| | 06/07/11 | < 10 | < 5 | < 5 | <5.0 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | **0** | (4) | (4) | (4) | (4) | (4) | (4) |
| **MW-22D** Decommissioned 2018 | **08/18/08** | **HRC INJECTION** | | | | | | | | | | | | | | | | |
| | 05/28/09 | < 5 | < 1 | 0.92 J | <1.0 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | **0** | (4) | (4) | (4) | (4) | (4) | (4) |
| | 06/07/11 | < 10 | < 5 | < 5 | <5.0 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | **0** | (4) | (4) | (4) | (4) | (4) | (4) |
| **MW-23S** | **08/18/08** | **HRC INJECTION** | | | | | | | | | | | | | | | | |
| | 05/28/09 | < 5 | < 1 | 0.64 J | < 1 | 47 | < 1 | < 1 | 560 D | 3.6 | < 1 | **611** | (4) | (4) | (4) | (4) | (4) | (4) |
| | 06/07/11 | < 50 | < 50 | < 50 | < 5.0 | < 50 | < 50 | < 50 | 650 | < 50 | < 50 | **650** | (4) | (4) | (4) | (4) | (4) | (4) |
| | 06/04/12 | < 10 | < 0.19 | < 0.34 | < 0.29 | 11 | < 1 | < 0.44 | 1800 D | 4.1 | < 0.9 | **1,815** | 7.63 | 11.8 | 3366 | 47 | 482 | 2.35 |
| | **04/16/14** | **IET INJECTION** | | | | | | | | | | | | | | | | |
| | 09/03/14 | < 1.3 | < 0.19 | 0.47 J | < 0.29 | 5.7 | < 0.9 | < 0.44 | 1400 D | 3.4 | < 0.9 | **1,409** | 7.32 | 17.2 | 2755 | 51 | 26 | 0.82 |
| | 04/16/15 | < 66 | < 9.5 | 17 | < 15 | 250 | < 45 | < 22 | 1200 | 72 | < 45 | **1,522** | 7.41 | 9.6 | 3441 | 25 | 45 | 3.17 |
| | 08/14/15 | < 66 | < 9.5 | < 17 | < 15 | 60 | < 45 | 33 J | 1300 | 93 | < 45 | **1,486** | 7.25 | 17.4 | 4791 | 16 | 150 | 1.18 |
| | **12/1-12/6/16** | **ON-SITE EXCAVATION** | | | | | | | | | | | | | | | | |
| | 01/23/17 | < 19 | < 10 | < 7 | < 1.7 | 7.1 J | < 7 | < 7 | 470 | 10 | < 0.71 | **487** | 7.20 | 13.1 | 4083 | 0.87 | 186 | 3.11 |
| | 04/24/17 | < 19 | < 10 | < 7 | < 1.7 | 26 | < 7 | < 7 | 660 | 15 | < 0.71 | **701** | 7.31 | 11.8 | 2792 | 15.2 | 71 | 1.49 |
| | 11/12/18 | < 9.7 | < 5 | < 3.5 | < 0.84 | < 3.5 | < 3.5 | < 3.5 | 590 | 3 | < 0.36 | **593** | 7.19 | 17.1 | 2887 | 11.7 | 56 | 1.58 |
| | 04/05/19 | < 4.8 | < 2.5 | 2.1 J D | < 0.42 | < 1.8 | < 1.8 | < 1.8 | 310 D | 1.1 J D | < 0.18 | **313** | 7.29 | 9.4 | 3571 | 8.0 | 36 | 1.86 |
| | 11/20/19 | < 4.8 | < 2.5 | 2.4 J D | < 0.42 | 5.4 J | < 1.8 | < 1.8 | 230 D | 1.2 D | < 0.18 | **239** | 7.34 | 17.2 | 3852 | -- | 62 | 1.04 |
| | 04/01/20 | < 9.7 | < 5 | < 3.5 | < 0.84 | < 3.5 | < 3.5 | < 3.5 | 820 D | 3.5 D | < 0.36 | **824** | 7.36 | 11.6 | 3161 | 10.2 | 48 | 1.29 |
| | 11/13/20 | < 3.9 | < 2 | < 1.4 | < 0.34 | 1.6 J D | < 1.4 | < 1.4 | 330 D | 1.7 D | < 0.14 | **333** | 7.37 | 18.4 | 3136 | 9.4 | 95 | 0.78 |
| | 04/01/21 | < 3.9 | < 2 | 1.5 J D | < 0.34 | 1.9 J D | < 1.4 | < 1.4 | 340 D | 2.7 D | < 0.14 | **346** | 7.42 | 10.2 | 2791 | 13.0 | 20 | 1.6 |
| | 11/02/21 | < 19 | < 10 | < 7 | < 1.7 | < 7 | < 7 | < 7 | 990 D | 4.6 D J | < 0.71 | **995** | 7.31 | 18.2 | 3217 | -- | -12 | 1.69 |
| | 04/05/22 | < 9.7 | < 5 | < 3.5 | < 0.84 | < 3.5 | < 3.5 | < 3.5 | 700 D | 3.5 D | < 0.36 | **704** | 7.41 | 23.2 | 4097 | 4.5 | 52 | 3.91 |
| | 11/10/22 | < 9.7 | < 5 | < 3.5 | < 0.84 | 4 J D | < 3.5 | < 3.5 | 870 D | 2.8 D | < 0.36 | **877** | 7.24 | 17.5 | 3732 | 40.8 | 148 | 2.04 |
| | 04/04/23 | < 9.7 | < 5 | < 3.5 | < 0.84 | < 3.5 | < 3.5 | < 3.5 | 590 D | 2.7 D | 10 D | **603** | 7.30 | 11.3 | 3465 | 17.0 | 138 | 1.81 |

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# TABLE 3

## SUMMARY OF PRE- AND POST-REMEDIAL GROUNDWATER ANALYTICAL RESULTS

**275 Franklin Street & 432 Pearl Street Sites**
**BCP Sites No. C915208 & C915237**
**Buffalo, New York**

| Monitoring Location & Sample Date | | Parameter [1] | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | TCL Volatile Organic Compounds (ug/L) | | | | | | | | | | Field Measurements (units as indicated) | | | | | |
| | | 2-Butanone (MEK) | Carbon disulfide | Chloroform | 1,1-Dichloroethene | cis-1,2-Dichloroethene | trans-1,2-Dichloroethene | Methylene chloride | Tetrachloroethene | Trichloroethene | Vinyl chloride | *Total TCL cVOCs* | pH (units) | Temperature (°C) | Specific Conductance (uS) | Turbidity | ORP (mV) | DO (ppm) |
| **GWQS [2]** | | **50** | **--** | **7** | **5** | **5** | **5** | **5** | **5** | **5** | **2** | **--** | **6.5 - 8.5** | **--** | **--** | **--** | **--** | **--** |
| **MW-23D [5]** | **08/18/08** | **HRC INJECTION** | | | | | | | | | | | | | | | | |
| | 05/28/09 | < 5 | < 1 | 0.66 J | < 1 | < 1 | < 1 | < 1 | 3.4 | < 1 | < 1 | **3.4** | (4) | (4) | (4) | (4) | (4) | (4) |
| | 06/07/11 | < 10 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | **0** | (4) | (4) | (4) | (4) | (4) | (4) |
| | 07/30/15 | < 1.3 | < 0.19 | < 0.34 | < 0.29 | < 0.81 | < 0.9 | < 0.44 | < 0.36 | < 0.46 | < 0.9 | **0** | (4) | (4) | (4) | (4) | (4) | (4) |
| | 11/17/20 | < 1.3 | < 0.19 | < 0.34 | < 0.29 | < 0.81 | < 0.9 | < 0.44 | 1.4 | < 0.46 | < 0.9 | **1.4** | 7.73 | 15.0 | 2192 | 100.9 | 42.9 | 1.98 |
| | 04/05/21 | < 1.3 | < 0.19 | < 0.34 | < 0.29 | < 0.81 | < 0.90 | < 0.44 | 1.6 | < 0.46 | < 0.90 | **1.6** | 7.29 | 13.5 | 1855 | 29.3 | 88.7 | 2.12 |
| | 11/01/21 | < 1.3 | < 0.19 | < 0.34 | < 0.29 | < 0.81 | < 0.90 | < 0.44 | 1.2 | < 0.46 | < 0.90 | **1.2** | 7.12 | 15.3 | 2383 | -11.1 | 79.0 | 1.02 |
| | 04/06/22 | < 1.6 | < 1.4 | 0.3 J | < 0.14 | < 0.15 | < 0.17 | 0.23 | 0.72 J | < 0.19 | < 0.21 | **1.02** | 7.27 | 13.8 | 1950 | 3.1 | 59.2 | 1.78 |
| | 11/09/22 | 14 J D | < 7.2 | 1.8 J D | < 0.71 | 2.8 J D | < 0.84 | < 1.2 | 500 D | < 49 | < 1.0 | **518.6** | 7.01 | 17.7 | 3000 | 31.3 | 129.4 | 2.03 |
| | 04/06/23 | < 20 | < 5 | 0.31 J | < 1 | < 1 | < 1 | < 5 | 0.7 J | < 1 | < 2 | **1.01** | 7.56 | 12.3 | 2563 | 0.4 | 128.0 | 1.75 |
| **MW-24S** | **08/18/08** | **HRC INJECTION** | | | | | | | | | | | | | | | | |
| | 05/28/09 | < 5 | < 1 | < 1 | < 1 | 5.8 | < 1 | < 1 | 180 D | 35 | < 1 | **221** | (4) | (4) | (4) | (4) | (4) | (4) |
| | 06/07/11 | < 100 | < 50 | < 50 | < 50 | < 50 | < 50 | < 50 | 1300 | < 50 | < 50 | **1,300** | (4) | (4) | (4) | (4) | (4) | (4) |
| | 06/04/12 | < 10 | < 0.19 | < 0.34 | < 0.29 | 2.2 | < 1 | < 0.44 | 2900 D | 1.1 | < 0.9 | **2,903** | 7.51 | 13.1 | 3198 | 60 | 300 | 1.74 |
| | **04/16/14** | **IET INJECTION** | | | | | | | | | | | | | | | | |
| | 09/03/14 | < 1.3 | 0.55 J | 4.5 | 2.6 J | 15 | < 0.9 | < 0.44 | 68,000 | 420 J | < 0.9 | **68,436** | 7.39 | 15.9 | 2592 | 19 | 80 | 0.73 |
| | 04/16/15 | < 1300 | < 190 | < 340 | < 290 | < 810 | < 900 | < 440 | 24000 D | < 460 | < 900 | **24,000** | 7.33 | 13.0 | 2477 | 21 | 36 | 1.77 |
| | 08/14/15 | < 1300 | < 190 | < 340 | < 290 | < 810 | < 900 | 590 J | 22,000 | < 460 | < 900 | **22,590** | 7.31 | 16.2 | 2408 | 12 | -16 | 1.63 |
| | **12/1-12/6/16** | **ON-SITE EXCAVATION** | | | | | | | | | | | | | | | | |
| | 01/23/17 | < 190 | < 100 | < 70 | < 17 | < 70 | < 70 | < 70 | 9,000 | 35 J | < 7.1 | **9,035** | 7.40 | 13.0 | 2425 | 4.1 | 81 | 1.97 |
| | 04/24/17 | < 390 | < 200 | < 140 | < 34 | < 140 | < 140 | < 140 | 9,300 | < 35 | < 14 | **9,300** | 7.49 | 15.0 | 2785 | 20 | 20 | 1.31 |
| | 11/12/18 | < 39 | < 20 | < 14 | < 3.4 | < 14 | < 14 | < 14 | 3,900 | 5.7 J | < 1.4 | **3,906** | 7.42 | 14.3 | 2781 | 31 | 8 | 4.96 |
| | 04/05/19 | < 19 | < 10 | 25 D | < 1.7 | 66 D | < 7 | < 7 | 890 D2 | 29 D | < 0.71 | **1,010** | 7.72 | 9.8 | 1554 | 766 | 66 | 2.31 |
| | 11/20/19 | < 19 | < 10 | 7.6 J D | < 1.7 | < 7 | < 7 | < 7 | 1,100 D | < 1.8 | < 0.71 | **1,108** | 7.50 | 13.7 | 2804 | -- | 17 | 17 |
| | 04/01/20 | < 19 | < 10 | 10 J D | < 1.7 | 15 J D | < 7 | < 7 | 990 D | 3.8 J D | < 0.71 | **1,019** | 7.51 | 11.0 | 3490 | 4 | 130 | 4.48 |
| | 11/13/20 | < 19 | < 10 | < 7 | < 1.7 | 12 J D2 | < 7 | < 7 | 2,000 D | 13 D2 | < 0.71 | **2,025** | 7.52 | 14.9 | 2935 | 3 | 135 | 1.49 |
| | 04/01/21 | < 78 | < 40 | < 28 | < 6.8 | 33 J D | < 28 | < 28 | 6,100 D | 15 J D | < 2.8 | **6,148** | 7.42 | 11.0 | 2989 | 27 | 83 | 2.22 |
| | 11/02/21 | < 19 | < 10 | < 7 | < 1.7 | 7.6 D2 J | < 7 | < 7 | 3,500 D | 6 D2 | < 0.71 | **3,514** | 7.83 | 13.2 | 2733 | -- | 141 | 1.66 |
| | 04/05/22 | < 9.7 | < 5 | < 3.5 | < 0.84 | < 3.5 | < 3.5 | < 3.5 | 820 D | 1.2 J D | < 0.36 | **821** | 7.41 | 14.3 | 2641 | 3.5 | -6 | 4.15 |
| | 11/10/22 | < 78 | < 40 | < 28 | < 6.8 | 45 J D | < 28 | < 28 | 4,200 D | < 7.0 | < 2.8 | **4,245** | 7.20 | 15.4 | 3179 | 28 | 34 | 1.82 |
| | 04/04/23 | < 9.7 | < 5 | < 3.5 | < 0.84 | < 3.5 | < 3.5 | < 3.5 | 640 D | 1.6 J D | < 0.36 | **642** | 7.35 | 13.1 | 2965 | 10.4 | -15 | 3.95 |
| **MW-24D** | **08/18/08** | **HRC INJECTION** | | | | | | | | | | | | | | | | |
| | 05/28/09 | < 5 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | **0** | (4) | (4) | (4) | (4) | (4) | (4) |
| | 06/07/11 | < 10 | < 5 | < 5 | < 5 | 11 | < 5 | < 5 | 3 J | < 5 | < 5 | **14** | (4) | (4) | (4) | (4) | (4) | (4) |
| | 06/04/12 | < 10 | < 0.19 | < 0.34 | < 0.29 | 100 D | < 1 | < 0.44 | 1.1 | < 1 | < 0.9 | **101** | 7.60 | 13.6 | 2400 | 35 | -69 | 1.68 |
| | **04/16/14** | **IET INJECTION** | | | | | | | | | | | | | | | | |
| | 09/03/14 | < 1.3 | < 0.19 | < 0.34 | < 0.29 | 26 | < 0.9 | < 0.44 | 1.3 | 0.52 J | < 0.9 | **28** | 7.35 | 15.5 | 2097 | 17 | -102 | 1.02 |
| | 04/16/15 | < 6.6 | < 0.95 | < 1.7 | < 1.5 | 33 | < 4.5 | < 2.2 | 180 | 6.1 | < 4.5 | **219** | 7.30 | 9.1 | 2821 | 17 | 30 | 3.07 |
| | 07/30/15 | < 1.3 | < 0.19 | < 0.34 | < 0.29 | 160 | < 0.9 | < 0.44 | 15 | 3.2 | < 0.9 | **178** | (4) | (4) | (4) | (4) | (4) | (4) |
| | 08/14/15 | < 2.6 | < 0.38 | < 0.68 | < 0.58 | 89 | < 1.8 | 1.2 J | 45 | 3.2 | < 1.8 | **137** | 7.16 | 16.1 | 2275 | 15 | -51 | 1.55 |
| | **12/1-12/6/16** | **ON-SITE EXCAVATION** | | | | | | | | | | | | | | | | |
| | 01/23/17 | < 1.9 | < 1 | < 0.7 | 0.19 J | 48 | < 0.7 | < 0.7 | 4.0 | 2.2 | < 0.07 | **54** | 7.32 | 12.3 | 2315 | 3.2 | 47 | 1.76 |
| | 04/24/17 | < 1.9 | < 1 | < 0.7 | 0.3 J | 83 | < 0.7 | < 0.7 | 2.7 | 4.9 | < 0.07 | **91** | 7.33 | 15.9 | 2210 | 27 | -92 | 1.20 |
| | 11/12/18 | < 7.8 | < 4 | < 2.8 | < 0.68 | 250 | < 2.8 | < 2.8 | 450 | 120 | < 0.28 | **820** | 7.20 | 12.5 | 2290 | 4.1 | -96 | 1.01 |
| | 02/18/19 | < 13 | < 1.9 | < 3.4 | < 2.9 | 200 | < 9.0 | 9.3 J | 420 | 110 | < 9.0 | **730** | 5.62 | 13.5 | 2.412 | 62 | -84.2 | 3.37 |
| | 04/05/19 | < 9.7 | < 5 | < 3.5 | < 0.84 | 290 D | < 3.5 | < 3.5 | 480 D | 130 D | < 0.36 | **900** | 7.23 | 11.9 | 2451 | 4.5 | -88 | 1.60 |
| | 11/20/19 | < 1.9 | < 1 | < 0.7 | 0.58 | 170 | 1.2 J | < 0.7 | 180 D | 66 | < 0.07 | **418** | 7.29 | 13.1 | 2603 | -- | -68 | 1.00 |
| | 04/01/20 | < 3.9 | < 2 | < 1.4 | 0.73 J D | 220 D | 1.4 J D | < 1.4 | 270 D | 95 D | < 0.14 | **587** | 7.28 | 12.1 | 2555 | 2.0 | -30 | 1.57 |
| | 11/13/20 | < 1.9 | < 1 | < 0.7 | 0.49 J | 150 | 0.97 J | < 0.7 | 180 D | 73 | < 0.07 | **404** | 7.41 | 12.9 | 2537 | 4.4 | 68 | 1.30 |
| | 11/17/20 | < 13 | < 1.9 | < 3.4 | < 2.9 | 180 | < 9 | < 4.4 | 320 | 120 | < 9 | **620** | 7.73 | 12.6 | 2317 | 67 | -139.7 | 1.43 |
| | 04/01/21 | < 3.9 | < 2 | < 1.4 | 0.45 J D | 140 D | < 1.4 | < 1.4 | 220 D | 77 D | < 0.14 | **437** | 7.31 | 11.5 | 2533 | 9.2 | -90 | 1.80 |
| | 04/05/21 | < 11 | < 1.5 | < 2.7 | < 2.3 | 200 | < 7.2 | < 3.5 | 310 | 120 | < 7.2 | **630** | 7.36 | 13.8 | 1979 | 189 | -103.5 | 0.21 |
| | 11/02/21 | < 3.9 | < 2 | < 1.4 | 0.51 J D | 290 D | 1.8 D J | < 1.4 | 110 D | 53 D | < 0.14 | **455** | 7.20 | 13.8 | 2489 | -- | -125 | 0.96 |
| | 04/05/22 | < 3.9 | < 2 | < 1.4 | 0.49 J D | 210 D | < 1.4 | < 1.4 | 79 D | 36 D | 0.58 D J | **326** | 7.31 | 13.6 | 2479 | 9.4 | -79 | 2.11 |
| | 11/10/22 | < 3.9 | < 2 | < 1.4 | 0.43 J D | 230 D | 1.4 J | < 1.4 | 34 D | 14 D | 0.94 D J | **281** | 7.15 | 14.1 | 2399 | 7.3 | -94 | 1.20 |
| | 04/04/23 | < 1.9 | < 1 | < 0.7 | 0.46 J | 120 | 0.82 J | < 0.7 | 50 | 18 | 1.5 | **191** | 7.20 | 13.9 | 2408 | 7.6 | -115 | 1.39 |

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# TABLE 3

## SUMMARY OF PRE- AND POST-REMEDIAL GROUNDWATER ANALYTICAL RESULTS

**275 Franklin Street & 432 Pearl Street Sites**
**BCP Sites No. C915208 & C915237**
**Buffalo, New York**

| Monitoring Location & Sample Date | Parameter [1] | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | TCL Volatile Organic Compounds (ug/L) | | | | | | | | | | | Field Measurements (units as indicated) | | | | | |
| | 2-Butanone (MEK) | Carbon disulfide | Chloroform | 1,1-Dichloroethene | cis-1,2-Dichloroethene | trans-1,2-Dichloroethene | Methylene chloride | Tetrachloroethene | Trichloroethene | Vinyl chloride | *Total TCL cVOCs* | pH (units) | Temperature (°C) | Specific Conductance (uS) | Turbidity | ORP (mV) | DO (ppm) |
| **GWQS [2]** | **50** | **--** | **7** | **5** | **5** | **5** | **5** | **5** | **5** | **2** | **--** | **6.5 - 8.5** | **--** | **--** | **--** | **--** | **--** |
| **MW-25S** | | | | | | | | | | | | | | | | | |
| **39678** | **HRC INJECTION** | | | | | | | | | | | | | | | | |
| 10/24/12 | < 1.3 | < 0.19 | 0.43 J | < 0.29 | 2.9 | < 0.9 | < 0.44 | 1900 | 6.6 | < 0.9 | **1,910** | (4) | (4) | (4) | (4) | (4) | (4) |
| **04/16/14** | **IET INJECTION** | | | | | | | | | | | | | | | | |
| 07/30/15 | < 5.3 | < 0.76 | < 1.4 | < 1.2 | 200 | < 3.6 | < 1.8 | 300 | 10 | 17 | **527** | (4) | (4) | (4) | (4) | (4) | (4) |
| 03/01/17 | <5.3 | <0.76 | < 1.4 | < 1.2 | 190 F1 | < 3.6 | < 1.8 | 56 | 5.2 | 36 | **287** | (4) | (4) | (4) | (4) | (4) | (4) |
| 05/11/17 | < 5.3 | < 0.76 | < 1.4 | < 1.2 | 310 | < 3.6 | < 1.8 | 46 | 5.8 | < 3.6 | **362** | (4) | (4) | (4) | (4) | (4) | (4) |
| 02/18/19 | < 26 | < 3.8 | < 6.8 | < 5.8 | 880 | < 18 | < 21 | 1300 | 210 | < 18 | **2,390** | 5.72 | 12.90 | 4.85 | 2.20 | 149.70 | 1.39 |
| 11/17/20 | < 11 | < 1.5 | < 2.7 | < 2.3 | 110 | < 7.2 | < 3.5 | 370 | 32 | < 7.2 | **512** | 7.73 | 17.2 | 3778 | 60.2 | 41.2 | 1.55 |
| 04/05/21 | < 11 | < 1.5 | 3.3 J | < 2.3 | 580 | < 7.2 | < 3.5 | 560 | 25 | 7.2 J | **1,176** | 7.38 | 12.4 | 3054 | 80.8 | 88.9 | 0.45 |
| 11/01/21 | < 11 | < 1.5 | < 2.7 | < 2.3 | 290 F1 J | < 7.2 | < 3.5 | 420 F1 J | 19 | < 7.2 | **729** | 7.14 | 18.0 | 4430 | -10.9 | 81.1 | 1.77 |
| 04/06/22 | 58 J | < 7.2 | < 0.84 | < 0.71 | 300 | 3.6 J | < 1.2 | 270 | 24 | 3.4 J | **659** | 7.46 | 15.1 | 2870 | 7.4 | 72.8 | 1.17 |
| 11/09/22 | < 6.5 | < 5.8 | 1.5 J D | 0.68 J D | 380 D | 2.9 J D | < 0.94 | 260 D | 49 D | < 0.83 | **694** | 6.89 | 18.1 | 2941 | 13.3 | 170.9 | 0.58 |
| 04/06/23 | 21 J D | < 20 | < 8 | < 4 | 210 D | 1.5 J D | < 20 | 220 D | 24 D | < 8 | **477** | 7.64 | 11.7 | 4125 | 0.25 | 173.4 | 1.61 |
| **MW-26S** | | | | | | | | | | | | | | | | | |
| **08/18/08** | **HRC INJECTION** | | | | | | | | | | | | | | | | |
| 10/24/12 | < 1.3 | < 0.19 | < 0.34 | < 0.29 | 5.4 | < 0.9 | < 0.44 | 3100 | 12 | < 0.9 | **3,117** | (4) | (4) | (4) | (4) | (4) | (4) |
| **04/16/14** | **IET INJECTION** | | | | | | | | | | | | | | | | |
| 07/30/15 | < 5.3 | < 0.76 | < 1.4 | < 1.2 | 3.6 J | < 3.6 | 1.8 | 350 | 3.7 J | < 3.6 | **357** | (4) | (4) | (4) | (4) | (4) | (4) |
| 03/01/17 | < 5.3 | < 0.76 | < 1.4 | < 1.2 | 110 | <3.6 | <1.8 | 4500 D | 85 | <3.6 | **4,695** | (4) | (4) | (4) | (4) | (4) | (4) |
| 05/11/17 | < 110 | < 15 | < 27 | < 23 | 130 | < 72 | < 35 | 4500 | 76 J | < 72 | **4,706** | (4) | (4) | (4) | (4) | (4) | (4) |
| 02/18/19 | < 66 | < 9.5 | < 17 | < 15 | 140 | < 45 | < 55 | 2900 | 100 J | < 45 | **3,140** | 5.76 | 12.7 | 5.50 | 1.60 | 166.60 | 2.50 |
| 11/17/20 | < 13 | < 1.9 | < 3.2 | < 2.9 | 28 | < 9 | < 4.4 | 770 F1 | 20 | < 9 | **818** | 7.77 | 16.0 | 3384 | 5.42 | 56.8 | 2.57 |
| 04/05/21 | < 26 | < 3.8 | < 6.8 | < 5.8 | 38 | < 18 | < 8.8 | 860 | 36 | < 18 | **934** | 7.42 | 12.7 | 3457 | 30.19 | 102.4 | 2.19 |
| 11/01/21 | < 26 | < 3.8 | < 6.8 | < 5.8 | < 16 | < 18 | < 8.8 | 920 | 19 J | < 18 | **939** | 7.33 | 17.1 | 3603 | 1.22 | 84.4 | 1.88 |
| 04/06/22 | 110 J | < 14 | < 1.7 | < 1.4 | 13 | < 1.7 | < 2.3 | 440 | 17 | < 2.1 | **580** | 7.46 | 12.3 | 2675 | 4.31 | 102.1 | 1.80 |
| 11/09/22 | < 16 | < 14 | < 1.7 | < 1.4 | 13 D | < 1.7 | < 2.3 | 600 D | 10 D | < 2.1 | **623** | 7.15 | 16.7 | 2899 | -0.42 | 110.7 | 1.59 |
| 04/06/23 | < 80 | < 20 | 1.1 J D | < 4 | 43 D | < 4 | < 20 | 290 D | 14 D | < 8 | **348** | 7.62 | 11.5 | 4837 | 1.90 | 210 | 3.41 |
| **MW-27S** | | | | | | | | | | | | | | | | | |
| **08/18/08** | **HRC INJECTION** | | | | | | | | | | | | | | | | |
| 10/24/12 | < 1.3 | < 0.19 | 0.63 J | < 0.38 | < 0.81 | < 0.9 | < 0.44 | 1.7 | < 0.46 | < 0.9 | **1.7** | (4) | (4) | (4) | (4) | (4) | (4) |
| **04/16/14** | **IET INJECTION** | | | | | | | | | | | | | | | | |
| 07/30/15 | < 1.3 | < 0.19 | 0.36 J | < 0.29 | < 0.81 | < 0.9 | < 0.44 | 1.4 | < 0.46 | < 0.9 | **1.8** | (4) | (4) | (4) | (4) | (4) | (4) |
| 05/11/17 | < 1.3 | < 0.19 | 0.47 J | < 0.29 | < 0.81 | < 0.9 | < 0.44 | 1.7 | < 0.46 | < 0.9 | **2.2** | (4) | (4) | (4) | (4) | (4) | (4) |
| 11/17/20 | < 1.3 | < 0.19 | 0.62 J | < 0.29 | < 0.81 | < 0.9 | < 0.44 | 25 | 0.62 J | < 0.9 | **26.2** | 7.85 | 15.8 | 3281 | 13.2 | 73.1 | 4.28 |
| 04/05/21 | < 1.3 | < 0.19 | 1.4 | < 0.29 | < 0.81 | < 0.90 | < 0.44 | 6.6 | < 0.46 | < 0.9 | **8.0** | 7.37 | 12.0 | 3155 | 100.6 | 123.2 | 4.00 |
| 11/01/21 | < 1.3 | < 0.19 | 2.7 | < 0.29 | < 0.81 | < 0.90 | < 0.44 | 6.5 | < 0.46 | < 0.90 | **9.2** | 7.25 | 16.2 | 2990 | -11.1 | 94.4 | 3.76 |
| 04/06/22 | < 1.6 | < 1.4 | 2.1 | < 0.14 | < 0.15 | < 0.17 | < 0.23 | 5.3 | < 0.19 | < 0.21 | **7.4** | 7.47 | 11.9 | 3570 | 6.9 | 107.3 | 5.28 |
| 11/09/22 | < 1.6 | < 1.4 | 4.3 | < 0.14 | < 0.15 | < 0.17 | < 0.23 | 6.4 | < 0.19 | < 0.21 | **10.7** | 6.92 | 16.4 | 3103 | 10.2 | 118.3 | 3.83 |
| 04/06/23 | < 20 | < 5 | 2.4 | < 1 | < 1 | < 1 | <5 | 4.1 | < 1 | < 2 | **6.5** | 7.53 | 11.1 | 5893 | 0.51 | 208.6 | 5.55 |

**Notes:**

1. Only those parameters detected above their specific GWQS at a minimum of one sample location are presented. Some additional parameters were detected but not included due to low concentrations and sporadic detection.
2. Groundwater Quality Standard (GWQS) per NYSDEC Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1.
3. Groundwater data for the May 2009, June 2011, October 2012, and July 2015 events obtained from NYSDEC. The additional sampling events were performed by Benchmark.
4. Field parameter results were not provided by the NYSDEC.
5. BM in consultation with NYSDEC believe MW-23D data collected November 9, 2022 is actually MW-23S data after discrepancy in purge log and depth to bottom measurement.

**Definitions:**

< 0.19 = Parameter not detected above laboratory method detection limit.
NA = Sample not analyzed for parameter.
"--" = No groundwater quality standard available.
J = Estimated value; result is less than the sample quantitation limit but greater than zero.
J+ = The analyte was positively identified; the associated numerical value is an estimated quantity that may be biased high.
b = Analyte was detected in the associated blank as well as in the sample. Value is above the action level for consideration as being external contamination.
B = Indicates a value greater than or equal to the instrument detection limit, but less than the quantitation limit.
D = Concentration of analyte was quantified from a diluted analysis.
NS = Not sampled due to car parked over well; several attempts to sample were made over a 2-week period.

Insufficient sample to collect final field parameter measurements; values measured before sample collected.

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# TABLE 4

## SUMMARY OF POST-EXCAVATION GROUNDWATER ANALYTICAL RESULTS

### 275 Franklin Street & 432 Pearl Street Sites
### BCP Sites No. C915208 & C915237
### Buffalo, New York

| Monitoring Location & Sample Date | | Parameter [1] | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | TCL Volatile Organic Compounds (ug/L) | | | | | | | | | | |
| | | 2-Butanone (MEK) | Carbon disulfide | Chloroform | 1,1-Dichloroethene | cis-1,2-Dichloroethene | trans-1,2-Dichloroethene | Methylene chloride | Tetrachloroethene | Trichloroethene | Vinyl chloride | *Total TCL cVOCs* |
| **GWQS [2]** | | **50** | **--** | **7** | **5** | **5** | **5** | **5** | **5** | **5** | **2** | **--** |
| ***Shallow Overburden Wells*** | | | | | | | | | | | | |
| **PZ-4** | **12/1-12/6/16** | **ON-SITE EXCAVATION** | | | | | | | | | | |
| | 01/23/17 | < 39 | < 20 | < 14 | < 3.4 | **58** | < 14 | < 14 | **1,000** | **52** | < 1.4 | **1,110** |
| | 04/24/17 | < 39 | < 20 | < 14 | < 3.4 | **52** | < 14 | < 14 | **1,200** | **44** | < 1.4 | **1,296** |
| **PZ-4R** | 11/12/18 | < 19 | < 10 | < 7 | < 1.7 | **17 J** | < 7 | < 7 | **1,400** | **23** | < 0.71 | **1,423** |
| | 04/05/19 | < 19 | < 10 | < 7 | < 1.7 | **38** | < 7 | < 7 | **1,200 D** | **24 D** | < 0.71 | **1,262** |
| | 11/20/19 | < 19 | < 10 | < 7 | < 1.7 | **21 D J** | < 7 | < 7 | **1,100 D** | **21 D** | < 0.71 | **1,142** |
| | 04/01/20 | < 19 | < 10 | < 7 | < 1.7 | **29 D** | < 7 | < 7 | **1,100 D** | **23 D** | < 0.71 | **1,152** |
| | 11/13/20 | < 39 | < 20 | < 14 | < 3.4 | **36 D J** | < 14 | < 14 | **2,000 D** | **37 D** | < 1.4 | **2,073** |
| | 04/01/21 | < 19 | < 10 | < 7 | < 1.7 | **35 D J** | < 7 | < 7 | **1,600 D** | **26 D** | < 0.71 | **1,661** |
| | 11/02/21 | < 19 | < 10 | < 7 | < 1.7 | **35 D2** | < 7 | < 7 | **2,100 D** | **36 D2** | < 0.71 | **2,171** |
| | 04/05/22 | < 19 | < 10 | < 7 | < 1.7 | **37 D** | < 7 | < 7 | **1,400 D** | **24 D** | < 0.71 | **1,461** |
| | 11/10/22 | < 19 | < 10 | < 7 | < 1.7 | **37 D** | < 7 | < 7 | **1,600 D** | **37 D** | < 0.71 | **1,674** |
| | 04/04/23 | < 19 | < 10 | < 7 | < 1.7 | **11 J D** | < 7 | < 7 | **860 D** | **14 D** | < 0.71 | **885** |
| **PZ-5** | **12/1-12/6/16** | **ON-SITE EXCAVATION** | | | | | | | | | | |
| | 01/24/17 | < 19 | < 10 | < 7 | < 1.7 | < 7 | < 7 | < 7 | **880 D** | 2.7 J | < 0.71 | **883** |
| | 04/24/17 | < 19 | < 10 | < 7 | < 1.7 | **28** | < 7 | < 7 | **740** | 3.4 J | < 0.71 | **771** |
| | 11/12/18 | < 7.8 | < 4 | < 2.8 | < 0.68 | < 2.8 | < 2.8 | < 2.8 | **340 J** | < 0.7 | < 0.28 | **340** |
| | 04/05/19 | < 3.9 | < 2 | 6.5 D | < 0.34 | < 1.4 | < 1.4 | < 1.4 | **160 D** | 0.62 J D | < 0.14 | **167** |
| | 11/20/19 | < 4.8 | < 2.5 | < 1.8 | < 0.42 | < 1.8 | < 1.8 | < 1.8 | **220 D** | < 0.44 | < 0.18 | **220** |
| | 04/01/20 | < 1.9 | < 1 | 0.89 J | < 0.17 | 1.1 J | < 0.7 | < 0.7 | **280 D** | 1.1 | < 0.07 | **283** |
| | 11/13/20 | < 3.9 | < 2 | 2.3 D J | < 0.34 | < 1.4 | < 1.4 | < 1.4 | **180 D** | < 0.35 | < 0.14 | **182** |
| | 04/01/21 | < 1.9 | < 1 | 5.2 | < 0.17 | < 0.7 | < 0.7 | < 0.7 | **160** | < 0.18 | < 0.07 | **165** |
| | 11/02/21 | < 3.9 | < 2 | 2.6 D J | < 0.34 | 3.2 D J | < 1.4 | < 1.4 | **400 D** | 2.2 D | < 0.14 | **408** |
| | 04/05/22 | < 1.9 | < 1 | 3.6 | < 0.17 | < 0.7 | < 0.7 | < 0.7 | **190** | 0.21 J | < 0.07 | **194** |
| | 11/10/22 | < 3.9 | < 2 | 1.4 D | < 0.34 | < 1.4 | < 1.4 | < 1.4 | **260 D** | < 0.35 | < 0.14 | **261** |
| | 04/04/23 | < 3.9 | < 2 | < 1.4 | < 0.34 | < 1.4 | < 1.4 | < 1.4 | **210 D** | < 0.35 | < 0.14 | **210** |
| **PZ-6** | **12/1-12/6/16** | **ON-SITE EXCAVATION** | | | | | | | | | | |
| | 01/23/17 | < 19 | < 10 | < 7 | < 1.7 | < 7 | < 7 | < 7 | **500** | **8.2** | < 0.71 | **508** |
| | 04/24/17 | < 1.9 | < 1 | < 0.7 | < 0.17 | **5.8** | < 0.7 | < 0.7 | **46** | 1.3 | < 0.07 | **53** |
| | 11/12/18 | < 4.8 | < 2.5 | < 1.8 | < 0.42 | 2.4 J | < 1.8 | < 1.8 | **250** | 2.7 | < 0.18 | **255** |
| | 04/05/19 | < 1.9 | < 1.0 | 2.4 J | < 0.17 | 1.5 J | < 0.7 | < 0.7 | **200** | 2.7 | < 0.07 | **207** |
| | 11/20/19 | < 3.9 | < 2.0 | < 1.8 | < 0.42 | 2.1 D J | < 1.8 | < 1.8 | **170 D** | 1.8 D | < 0.18 | **174** |
| | 04/01/20 | < 1.9 | < 1.0 | 1.2 J | < 0.17 | 1.3 J | < 0.7 | < 0.7 | **190 D** | 2.2 | < 0.07 | **195** |
| | 11/13/20 | < 3.9 | < 2.0 | 1.6 D J | < 0.34 | < 1.4 | < 1.4 | < 1.4 | **210 D** | 1.7 D | < 0.14 | **213** |
| | 04/01/21 | < 1.9 | < 1.0 | 4.8 | < 0.17 | < 0.7 | < 0.7 | < 0.7 | **66** | 0.31 J | < 0.07 | **71** |
| | 11/02/21 | < 3.9 | < 2.0 | 2.8 D J | < 0.34 | 1.4 D J | < 1.4 | < 1.4 | **280 D** | 2.2 D | < 0.14 | **286** |
| | 04/05/22 | < 1.9 | < 1.0 | 2.2 J | < 0.17 | < 0.7 | < 0.7 | < 0.7 | **190** | 0.97 | < 0.07 | **193** |
| | 11/10/22 | < 4.8 | < 2.5 | < 1.8 | < 0.42 | < 1.8 | < 1.8 | < 1.8 | **360 D** | 2.9 D | < 0.18 | **363** |
| | 04/04/23 | < 1.9 | < 1.0 | 0.97 J | < 0.17 | < 0.7 | < 0.7 | < 0.7 | **170** | 0.76 | < 0.07 | **172** |

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# TABLE 4

## SUMMARY OF POST-EXCAVATION GROUNDWATER ANALYTICAL RESULTS

### 275 Franklin Street & 432 Pearl Street Sites
### BCP Sites No. C915208 & C915237
### Buffalo, New York

| Monitoring Location & Sample Date | | Parameter [1] | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | TCL Volatile Organic Compounds (ug/L) | | | | | | | | | | |
| | | 2-Butanone (MEK) | Carbon disulfide | Chloroform | 1,1-Dichloroethene | cis-1,2-Dichloroethene | trans-1,2-Dichloroethene | Methylene chloride | Tetrachloroethene | Trichloroethene | Vinyl chloride | *Total TCL cVOCs* |
| GWQS [2] | | 50 | -- | 7 | 5 | 5 | 5 | 5 | 5 | 5 | 2 | -- |
| PZ-11 | 12/1-12/6/16 | ON-SITE EXCAVATION | | | | | | | | | | |
| | 01/24/17 | < 190 | < 100 | < 70 | < 17 | < 70 | < 70 | < 70 | **5,500** | < 18 | < 7.1 | **5,500** |
| | 04/24/17 | < 190 | < 100 | < 70 | < 17 | < 70 | < 70 | < 70 | **5,600** | < 18 | < 7.1 | **5,600** |
| | 11/12/18 | < 19 | < 10 | < 7 | < 1.7 | **18 J** | < 7 | < 7 | **1,300** | **14** | < 0.71 | **1,332** |
| | 04/05/19 | < 78 | < 40 | < 28 | < 6.8 | < 28 | < 28 | < 28 | **4,100 D** | **21 D** | < 2.8 | **4,121** |
| | 11/20/19 | < 4.8 | < 2.5 | < 1.8 | < 0.42 | **7.7 D** | < 1.8 | < 1.8 | **440 D** | 4 D | < 0.18 | **452** |
| | 04/01/20 | < 19 | < 10 | < 7 | < 1.7 | < 7 | < 7 | < 7 | **1,000 D** | 2.5 J D | < 0.71 | **1,003** |
| | 11/13/20 | < 39 | < 20 | < 14 | < 3.4 | < 14 | < 14 | < 14 | **3,000 D** | **6.6 J D** | < 1.4 | **3,007** |
| | 04/01/21 | < 39 | < 20 | < 14 | < 3.4 | < 14 | < 14 | < 14 | **2,400 D** | **7.3 J D** | < 1.4 | **2,407** |
| | 11/02/21 | < 3.9 | < 2.0 | 2.6 D J | < 0.34 | < 1.4 | < 1.4 | < 1.4 | **350 D** | 0.96 J D | < 1.4 | **354** |
| | 04/05/22 | < 19 | < 10 | < 7 | < 1.7 | **7.5 J D** | < 7 | < 7 | **1,500 D** | **9.2 D** | < 0.71 | **1,517** |
| | 11/10/22 | < 19 | < 10 | < 7 | < 1.7 | **7.5 J D** | < 7 | < 7 | **800 D** | **5.2 D** | < 0.71 | **813** |
| | 04/04/23 | < 19 | < 10 | < 7 | < 1.7 | **11 J D** | < 7 | < 7 | **1,200 D** | **5.3 D** | < 0.71 | **1,216** |
| PZ-12 | 12/1-12/6/16 | ON-SITE EXCAVATION | | | | | | | | | | |
| | 01/24/17 | < 48 | < 25 | < 18 | < 4.2 | **26 J** | < 18 | < 18 | **2,500** | **8.8 J** | < 1.8 | **2,535** |
| | 04/24/17 | < 39 | < 20 | < 14 | < 3.4 | **14 J** | < 14 | < 14 | **1,900** | **7.8 J** | < 1.4 | **1,922** |
| | 11/12/18 | < 19 | < 10 | < 7 | < 1.7 | < 7 | < 7 | < 7 | **830 J** | < 1.8 | < 0.71 | **830** |
| | 04/05/19 | < 3.9 | < 2 | **9 D** | < 0.34 | 3.2 J D | < 1.4 | < 1.4 | **250 D** | 0.91 J D | < 0.14 | **263** |
| | 11/20/19 | < 39 | < 20 | < 14 | < 3.4 | < 14 | < 14 | < 14 | **3,600 D** | **7.9 J D** | < 1.4 | **3,608** |
| | 04/01/20 | < 19 | < 10 | < 7 | < 1.7 | < 7 | < 7 | < 7 | **1,000 D** | 3.3 J D | < 0.71 | **1,003** |
| | 11/13/20 | < 1.9 | < 1 | 1.4 J | < 0.17 | < 0.7 | < 0.7 | < 0.7 | **130** | 0.68 | < 0.07 | **132** |
| | 04/01/21 | < 9.7 | < 5 | < 3.5 | < 0.84 | < 3.5 | < 3.5 | < 3.5 | **1,100 D2** | 2.4 J D | < 0.36 | **1,102** |
| | 11/02/21 | < 4.8 | < 2.5 | 2.2 J D | < 0.42 | **5.5 J D** | < 1.8 | < 1.8 | **410 D** | 3.4 D | < 0.18 | **421** |
| | 04/05/22 | < 9.7 | < 5 | < 3.5 | < 0.84 | < 3.5 | < 3.5 | < 3.5 | **500 D** | 2.6 D | < 0.36 | **503** |
| | 11/10/22 | < 9.7 | < 5 | < 3.5 | < 0.84 | < 3.5 | < 3.5 | < 3.5 | **680 D** | 2.2 J D | < 0.36 | **682** |
| | 04/04/23 | < 48 | < 25 | < 18 | < 4.2 | < 18 | < 18 | < 18 | **2,800 D** | **7.5 J D** | < 1.8 | **2,808** |
| PZ-13 | 12/1-12/6/16 | ON-SITE EXCAVATION | | | | | | | | | | |
| | 01/24/17 | < 3.9 | < 2 | < 1.4 | < 0.34 | **50** | **5.0** | < 1.4 | **79** | **19** | **18** | **171** |
| | 04/24/17 | < 19 | < 10 | < 7 | < 1.7 | **500** | **10 J** | < 7 | **14** | **20** | **110** | **654** |
| | 11/12/18 | < 1.9 | < 1 | < 0.7 | < 0.17 | < 0.7 | 0.73 J | < 0.7 | **16** | 3.6 | **32** | **52** |
| | 04/05/19 | < 3.9 | < 2 | < 1.4 | 1.8 J D | **280 D** | 1.8 J D | < 1.4 | **93 D** | **76 D** | **53 D** | **506** |
| | 11/20/19 | < 1.9 | < 1 | < 0.7 | 0.23 J | **52** | **6.6** | < 0.70 | **13** | **14** | **38** | **124** |
| | 04/01/20 | < 1.9 | < 1 | < 0.7 | < 0.17 | **44** | 1.5 J | < 7 | **21** | **9.6** | **8.9** | **85** |
| | 11/13/20 | < 1.9 | < 1 | < 0.7 | < 0.17 | **45** | 0.75 J | < 0.7 | **30** | **7.2** | **4.9** | **88** |
| | 04/01/21 | < 1.9 | < 1 | < 0.7 | < 0.17 | **28** | 1.2 J | < 0.7 | **25** | **9.7** | **3.9** | **68** |
| | 11/02/21 | < 1.9 | < 1 | < 0.7 | < 0.17 | **72** | 2.3 J | < 0.7 | **43** | **9.7** | **10** | **137** |
| | 04/05/22 | < 1.9 | < 1 | < 0.7 | < 0.17 | **70** | 1.7 J | < 0.7 | **12** | **10** | **4.3** | **98** |
| | 11/10/22 | < 1.9 | < 1 | < 0.7 | < 0.17 | **47** | **15** | < 0.7 | **72** | **17** | **18** | **169** |
| | 04/04/23 | < 1.9 | < 1 | < 0.7 | < 0.17 | **17** | 2.2 J | < 0.7 | **41** | **11** | **3.7 J+** | **75** |

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# TABLE 4

## SUMMARY OF POST-EXCAVATION GROUNDWATER ANALYTICAL RESULTS

### 275 Franklin Street & 432 Pearl Street Sites
### BCP Sites No. C915208 & C915237
### Buffalo, New York

| Monitoring Location & Sample Date | | Parameter [1] | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | TCL Volatile Organic Compounds (ug/L) | | | | | | | | | | |
| | | 2-Butanone (MEK) | Carbon disulfide | Chloroform | 1,1-Dichloroethene | cis-1,2-Dichloroethene | trans-1,2-Dichloroethene | Methylene chloride | Tetrachloroethene | Trichloroethene | Vinyl chloride | *Total TCL cVOCs* |
| **GWQS [2]** | | **50** | **--** | **7** | **5** | **5** | **5** | **5** | **5** | **5** | **2** | **--** |
| **PZ-14** | **12/1-12/6/16** | **ON-SITE EXCAVATION** | | | | | | | | | | |
| | 01/24/17 | < 1.9 | < 1 | < 0.7 | 0.34 J | **290 D** | **14** | < 0.7 | 4.8 | **12** | **130** | **451** |
| | 04/24/17 | < 7.8 | < 4 | < 2.8 | 0.68 J | **180** | **8.5 J** | < 2.8 | 4.7 | **140** | **140** | **473** |
| | 11/12/18 | < 1.9 | < 1 | < 0.7 | < 0.17 | **50** | 1.8 J | < 0.7 | **32** | **9.8** | **20** | **114** |
| | 04/05/19 | < 3.9 | < 2 | < 1.4 | 0.5 J D | **170 D** | 4.2 J D | < 1.4 | **150 D** | **32 D** | **30 D J** | **387** |
| | 11/20/19 | < 1.9 | < 1 | 0.71 J | 0.34 J | **100** | 4.2 | < 0.70 | **33** | **12** | **35** | **185** |
| | 04/01/20 | < 4.8 | < 2.5 | < 1.8 | 0.74 J D | **340 D** | **5.4 J D** | < 1.8 | **98 D** | **28 D** | **24 D** | **496** |
| | 11/13/20 | < 9.7 | < 5 | < 3.5 | 1.1 J D | **580 D** | **10 J D** | < 3.5 | **110 D** | **29 D** | **82 D** | **812** |
| | 04/01/21 | < 1.9 | < 1 | < 0.7 | 0.36 J | **150** | 2.1 J | < 0.7 | **170** | **38** | **6.3** | **367** |
| | 11/02/21 | < 3.9 | < 2 | < 1.4 | 0.79 J D | **390 D** | 4.9 J D | < 1.4 | **190 D** | **29 D** | **35 D** | **650** |
| | 04/05/22 | < 3.9 | < 2 | < 1.4 | 0.4 J D | **130 D** | 3 J D | < 1.4 | **200 D** | **20 D** | **8 D** | **361** |
| | 11/10/22 | < 7.8 | < 4 | < 2.8 | < 0.68 | **320 D** | 3.1 J D | < 2.8 | **470 D** | **35 D** | **9.6 D** | **838** |
| | 04/04/23 | < 9.7 | < 5 | < 3.5 | < 0.84 | **180 D** | < 3.5 | < 3.5 | **550 D** | **24 D** | 1.4 J D | **755** |
| **MW-5R** | **12/1-12/6/16** | **ON-SITE EXCAVATION** | | | | | | | | | | |
| | 01/23/17 | < 39 | < 20 | < 14 | < 3.4 | < 14 | < 14 | < 14 | **990** | **20** | < 1.4 | **1,010** |
| | 04/24/17 | < 97 | < 50 | < 35 | < 8.4 | **160** | < 35 | < 35 | **3,600** | **55** | < 3.6 | **3,815** |
| | 11/12/18 | < 19 | < 10 | < 7 | < 1.7 | **270** | < 7 | < 7 | **740** | **150** | < 0.71 | **1,160** |
| | 04/05/19 | < 39 | < 20 | < 14 | < 3.4 | **270 D** | < 14 | < 14 | **1,900 D** | **300 D** | < 1.4 | **2,470** |
| | 11/20/19 | < 7.8 | < 4 | < 2.8 | < 0.68 | **160 D** | < 2.8 | < 2.8 | **380 D** | **120 D** | < 0.28 | **660** |
| | 04/01/20 | < 19 | < 10 | < 7 | < 1.7 | **170 D** | < 7 | < 7 | **980 D** | **180 D** | < 0.71 | **1,330** |
| | 11/13/20 | < 9.7 | < 5 | < 3.5 | < 0.84 | **380 D** | **9.5 J D** | < 3.5 | **460 D** | **140 D** | < 0.36 | **990** |
| | 04/01/21 | < 9.7 | < 5 | < 3.5 | < 0.84 | **280 D** | **5.1 J D** | < 3.5 | **1,000 D** | **210 D** | < 0.36 | **1,495** |
| | 11/02/21 | < 9.7 | < 5 | < 3.5 | < 0.84 | **360 D** | 4.9 J D | < 3.5 | **750 D** | **150 D** | < 0.36 | **1,265** |
| | 04/05/22 | < 9.7 | < 5 | < 3.5 | < 0.84 | **230 D** | < 3.5 | < 3.5 | **790 D** | **180 D** | < 0.36 | **1,200** |
| | 11/10/22 | < 7.8 | < 4 | < 2.8 | < 0.68 | **160 D** | < 2.8 | < 2.8 | **580 D** | **65 D** | < 0.28 | **805** |
| | 04/04/23 | < 9.7 | < 5 | < 3.5 | < 0.84 | **200 D** | < 3.5 | < 3.5 | **710 D** | **140 D** | < 0.36 | **1,050** |
| ***Off-Site NYSDEC Wells (S = shallow, D = deep) [3]*** | | | | | | | | | | | | |
| **MW-21S** Decommissioned 2018 | **08/18/08** | **HRC INJECTION** | | | | | | | | | | |
| | 05/28/09 | < 5 | < 1 | 0.75 J | <1.0 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | **0** |
| | 06/07/11 | < 10 | < 5 | < 5 | <5.0 | < 5 | < 5 | <5.0 | < 5 | < 5 | < 5 | **0** |
| **MW-21D** Decommissioned 2018 | **08/18/08** | **HRC INJECTION** | | | | | | | | | | |
| | 05/28/09 | < 5 | < 1 | 1.4 J | <1.0 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | **0** |
| | 06/07/11 | < 10 | < 5 | < 5 | <5.0 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | **0** |
| **MW-22S** Decommissioned 2018 | **08/18/08** | **HRC INJECTION** | | | | | | | | | | |
| | 05/28/09 | < 5 | < 1 | < 1 | <1.0 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | **0** |
| | 06/07/11 | < 10 | < 5 | < 5 | <5.0 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | **0** |
| **MW-22D** Decommissioned 2018 | **08/18/08** | **HRC INJECTION** | | | | | | | | | | |
| | 05/28/09 | < 5 | < 1 | 0.92 J | <1.0 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | **0** |
| | 06/07/11 | < 10 | < 5 | < 5 | <5.0 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | **0** |

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# TABLE 4

## SUMMARY OF POST-EXCAVATION GROUNDWATER ANALYTICAL RESULTS

### 275 Franklin Street & 432 Pearl Street Sites
### BCP Sites No. C915208 & C915237
### Buffalo, New York

| Monitoring Location & Sample Date | | Parameter [1] | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | TCL Volatile Organic Compounds (ug/L) | | | | | | | | | | |
| | | 2-Butanone (MEK) | Carbon disulfide | Chloroform | 1,1-Dichloroethene | cis-1,2-Dichloroethene | trans-1,2-Dichloroethene | Methylene chloride | Tetrachloroethene | Trichloroethene | Vinyl chloride | *Total TCL cVOCs* |
| **GWQS [2]** | | **50** | **--** | **7** | **5** | **5** | **5** | **5** | **5** | **5** | **2** | **--** |
| **MW-23S** | **12/1-12/6/16** | **ON-SITE EXCAVATION** | | | | | | | | | | |
| | 01/23/17 | < 19 | < 10 | < 7 | < 1.7 | **7.1 J** | < 7 | < 7 | **470** | **10** | < 0.71 | **487** |
| | 04/24/17 | < 19 | < 10 | < 7 | < 1.7 | **26** | < 7 | < 7 | **660** | **15** | < 0.71 | **701** |
| | 11/12/18 | < 9.7 | < 5 | < 3.5 | < 0.84 | < 3.5 | < 3.5 | < 3.5 | **590** | 3 | < 0.36 | **593** |
| | 04/05/19 | < 4.8 | < 2.5 | 2.1 J D | < 0.42 | < 1.8 | < 1.8 | < 1.8 | **310 D** | 1.1 J D | < 0.18 | **313** |
| | 11/20/19 | < 4.8 | < 2.5 | 2.4 J D | < 0.42 | **5.4 J** | < 1.8 | < 1.8 | **230 D** | 1.2 D | < 0.18 | **239** |
| | 04/01/20 | < 9.7 | < 5 | < 3.5 | < 0.84 | < 3.5 | < 3.5 | < 3.5 | **820 D** | 3.5 D | < 0.36 | **824** |
| | 11/13/20 | < 3.9 | < 2 | < 1.4 | < 0.34 | 1.6 J D | < 1.4 | < 1.4 | **330 D** | 1.7 D | < 0.14 | **333** |
| | 04/01/21 | < 3.9 | < 2 | 1.5 J D | < 0.34 | 1.9 J D | < 1.4 | < 1.4 | **340 D** | 2.7 D | < 0.14 | **346** |
| | 11/02/21 | < 19 | < 10 | < 7 | < 1.7 | < 7 | < 7 | < 7 | **990 D** | 4.6 D J | < 0.71 | **995** |
| | 04/05/22 | < 9.7 | < 5 | < 3.5 | < 0.84 | < 3.5 | < 3.5 | < 3.5 | **700 D** | 3.5 D | < 0.36 | **704** |
| | 11/10/22 | < 9.7 | < 5 | < 3.5 | < 0.84 | 4 J D | < 3.5 | < 3.5 | **870 D** | 2.8 D | < 0.36 | **877** |
| | 04/04/23 | < 9.7 | < 5 | < 3.5 | < 0.84 | < 3.5 | < 3.5 | < 3.5 | **590 D** | 2.7 D | **10 D** | **603** |
| **MW-23D [5]** | **12/1-12/6/16** | **ON-SITE EXCAVATION** | | | | | | | | | | |
| | 11/17/20 | < 1.3 | < 0.19 | < 0.34 | < 0.29 | < 0.81 | < 0.9 | < 0.44 | 1.4 | < 0.46 | < 0.9 | **1.4** |
| | 04/05/21 | < 1.3 | < 0.19 | < 0.34 | < 0.29 | < 0.81 | < 0.90 | < 0.44 | 1.6 | < 0.46 | < 0.90 | **1.6** |
| | 11/01/21 | < 1.3 | < 0.19 | < 0.34 | < 0.29 | < 0.81 | < 0.90 | < 0.44 | 1.2 | < 0.46 | < 0.90 | **1.2** |
| | 04/06/22 | < 1.6 | < 1.4 | 0.3 J | < 0.14 | < 0.15 | < 0.17 | < 0.23 | 0.72 J | < 0.19 | < 0.21 | **1.02** |
| | 11/09/22 | 14 J D | < 7.2 | 1.8 J D | < 0.71 | 2.8 J D | < 0.84 | < 1.2 | **500 D** | < 49 | < 1 | **518.6** |
| | 04/06/23 | < 20 | < 5 | 0.31 J | < 1 | < 1 | < 1 | < 5 | 0.7 J | < 1 | < 2 | **1.01** |
| **MW-24S** | **12/1-12/6/16** | **ON-SITE EXCAVATION** | | | | | | | | | | |
| | 01/23/17 | < 190 | < 100 | < 70 | < 17 | < 70 | < 70 | < 70 | **9,000** | **35 J** | < 7.1 | **9,035** |
| | 04/24/17 | < 390 | < 200 | < 140 | < 34 | < 140 | < 140 | < 140 | **9,300** | < 35 | < 14 | **9,300** |
| | 11/12/18 | < 39 | < 20 | < 14 | < 3.4 | < 14 | < 14 | < 14 | **3,900** | **5.7 J** | < 1.4 | **3,906** |
| | 04/05/19 | < 19 | < 10 | **25 D** | < 1.7 | **66 D** | < 7 | < 7 | **890 D2** | **29 D** | < 0.71 | **1,010** |
| | 11/20/19 | < 19 | < 10 | **7.6 J D** | < 1.7 | < 7 | < 7 | < 7 | **1,100 D** | < 1.8 | < 0.71 | **1,108** |
| | 04/01/20 | < 19 | < 10 | **10 J D** | < 1.7 | **15 J D** | < 7 | < 7 | **990 D** | 3.8 J D | < 0.71 | **1,019** |
| | 11/13/20 | < 19 | < 10 | < 7 | < 1.7 | **12 J D2** | < 7 | < 7 | **2,000 D** | **13 D2** | < 0.71 | **2,025** |
| | 04/01/21 | < 78 | < 40 | < 28 | < 6.8 | **33 J D** | < 28 | < 28 | **6,100 D** | **15 J D** | < 2.8 | **6,148** |
| | 11/02/21 | < 19 | < 10 | < 7 | < 1.7 | **7.6 J D2** | < 7 | < 7 | **3,500 D** | **6 D2** | < 0.71 | **3,514** |
| | 04/05/22 | < 9.7 | < 5 | < 3.5 | < 0.84 | < 3.5 | < 3.5 | < 3.5 | **820 D** | 1.2 J D | < 0.36 | **821** |
| | 11/10/22 | < 78 | < 40 | < 28 | < 6.8 | **45 J D** | < 28 | < 28 | **4,200 D** | < 7.0 | < 2.8 | **4,245** |
| | 04/04/23 | < 9.7 | < 5 | < 3.5 | < 0.84 | < 3.5 | < 3.5 | < 3.5 | **640 D** | 1.6 J D | < 0.36 | **642** |

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# TABLE 4

## SUMMARY OF POST-EXCAVATION GROUNDWATER ANALYTICAL RESULTS

### 275 Franklin Street & 432 Pearl Street Sites
### BCP Sites No. C915208 & C915237
### Buffalo, New York

| Monitoring Location & Sample Date | | Parameter [1] | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | TCL Volatile Organic Compounds (ug/L) | | | | | | | | | | |
| | | 2-Butanone (MEK) | Carbon disulfide | Chloroform | 1,1-Dichloroethene | cis-1,2-Dichloroethene | trans-1,2-Dichloroethene | Methylene chloride | Tetrachloroethene | Trichloroethene | Vinyl chloride | *Total TCL cVOCs* |
| GWQS [2] | | 50 | -- | 7 | 5 | 5 | 5 | 5 | 5 | 5 | 2 | -- |
| MW-24D | 12/1-12/6/16 | ON-SITE EXCAVATION | | | | | | | | | | |
| | 01/23/17 | < 1.9 | < 1 | < 0.7 | 0.19 J | **48** | < 0.7 | < 0.7 | 4.0 | 2.2 | < 0.07 | **54** |
| | 04/24/17 | < 1.9 | < 1 | < 0.7 | 0.3 J | **83** | < 0.7 | < 0.7 | 2.7 | 4.9 | < 0.07 | **91** |
| | 11/12/18 | < 7.8 | < 4 | < 2.8 | < 0.68 | **250** | < 2.8 | < 2.8 | **450** | **120** | < 0.28 | **820** |
| | 02/18/19 | < 13 | < 1.9 | < 3.4 | < 2.9 | **200** | < 9.0 | **9.3 J** | **420** | **110** | < 9.0 | **730** |
| | 04/05/19 | < 9.7 | < 5 | < 3.5 | < 0.84 | **290 D** | < 3.5 | < 3.5 | **480 D** | **130 D** | < 0.36 | **900** |
| | 11/20/19 | < 1.9 | < 1 | < 0.7 | 0.58 | **170** | 1.2 J | < 0.7 | **180 D** | **66** | < 0.07 | **418** |
| | 04/01/20 | < 3.9 | < 2 | < 1.4 | 0.73 J D | **220 D** | 1.4 J D | < 1.4 | **270 D** | **95 D** | < 0.14 | **587** |
| | 11/13/20 | < 1.9 | < 1 | < 0.7 | 0.49 J | **150** | 0.97 J | < 0.7 | **180 D** | **73** | < 0.07 | **404** |
| | 11/17/20 | < 13 | < 1.9 | < 3.4 | < 2.9 | **180** | < 9 | < 4.4 | **320** | **120** | < 9 | **620** |
| | 04/01/21 | < 3.9 | < 2 | < 1.4 | 0.45 J D | **140 D** | < 1.4 | < 1.4 | **220 D** | **77 D** | < 0.14 | **437** |
| | 04/05/21 | < 11 | < 1.5 | < 2.7 | < 2.3 | **200** | < 7.2 | < 3.5 | **310** | **120** | < 7.2 | **630** |
| | 11/02/21 | < 3.9 | < 2 | < 1.4 | 0.51 J D | **290 D** | 1.8 J D | < 1.4 | **110 D** | **53 D** | < 0.14 | **455** |
| | 04/05/22 | < 3.9 | < 2 | < 1.4 | 0.49 J D | **210 D** | < 1.4 | < 1.4 | **79 D** | **36 D** | 0.58 D J | **326** |
| | 11/10/22 | < 3.9 | < 2 | < 1.4 | 0.43 J D | **230 D** | 1.4 J D | < 1.4 | **34 D** | **14 D** | 0.94 D J | **281** |
| | 04/04/23 | < 1.9 | < 1 | < 0.7 | 0.46 J | **120** | 0.82 J | < 0.7 | **50** | **18** | 1.5 | **191** |
| MW-25S | 12/1-12/6/16 | ON-SITE EXCAVATION | | | | | | | | | | |
| | 03/01/17 | <5.3 | <0.76 | < 1.4 | < 1.2 | **190 F1** | < 3.6 | < 1.8 | **56** | **5.2** | **36** | **287** |
| | 05/11/17 | < 5.3 | < 0.76 | < 1.4 | < 1.2 | **310** | < 3.6 | < 1.8 | **46** | **5.8** | < 3.6 | **362** |
| | 02/18/19 | < 26 | < 3.8 | < 6.8 | < 5.8 | **880** | < 18 | < 21 | **1300** | **210** | < 18 | **2390** |
| | 11/17/20 | < 11 | < 1.5 | < 2.7 | < 2.3 | **110** | < 7.2 | < 3.5 | **370** | **32** | < 7.2 | **512** |
| | 04/05/21 | < 11 | < 1.5 | 3.3 J | < 2.3 | **580** | < 7.2 | < 3.5 | **560** | **25** | 7.2 J | **1,176** |
| | 11/01/21 | < 11 | < 1.5 | < 2.7 | < 2.3 | **290 F1 J** | < 7.2 | < 3.5 | **420 F1 J** | **19** | < 7.2 | **729** |
| | 04/06/22 | **58 J** | < 7.2 | < 0.84 | < 0.71 | **300** | 3.6 J | < 1.2 | **270** | **24** | **3.4 J** | **659** |
| | 11/09/22 | < 6.5 | < 5.8 | 1.5 J D | 0.68 J D | **380 D** | 2.9 J D | < 0.94 | **260 D** | **49 D** | < 0.83 | **694** |
| | 04/06/23 | 21 J D | < 20 | < 8 | < 4 | **210 D** | 1.5 J D | < 20 | **220 D** | **24 D** | < 8 | **477** |

BENCHMARK

# TABLE 4

## SUMMARY OF POST-EXCAVATION GROUNDWATER ANALYTICAL RESULTS

### 275 Franklin Street & 432 Pearl Street Sites
### BCP Sites No. C915208 & C915237
### Buffalo, New York

| Monitoring Location & Sample Date | | Parameter [1] | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | TCL Volatile Organic Compounds (ug/L) | | | | | | | | | | |
| | | 2-Butanone (MEK) | Carbon disulfide | Chloroform | 1,1-Dichloroethene | cis-1,2-Dichloroethene | trans-1,2-Dichloroethene | Methylene chloride | Tetrachloroethene | Trichloroethene | Vinyl chloride | *Total TCL cVOCs* |
| **GWQS [2]** | | **50** | **--** | **7** | **5** | **5** | **5** | **5** | **5** | **5** | **2** | **--** |
| **MW-26S** | **12/1-12/6/16** | **ON-SITE EXCAVATION** | | | | | | | | | | |
| | 03/01/17 | < 5.3 | < 0.76 | < 1.4 | < 1.2 | **110** | <3.6 | <1.8 | **4500 D** | **85** | <3.6 | **4,695** |
| | 05/11/17 | < 110 | < 15 | < 27 | < 23 | **130** | < 72 | < 35 | **4500** | **76 J** | < 72 | **4,706** |
| | 02/18/19 | < 66 | < 9.5 | < 17 | < 15 | **140** | < 45 | < 55 | **2900** | **100 J** | < 45 | **3,140** |
| | 11/17/20 | < 13 | < 1.9 | < 3.2 | < 2.9 | **28** | < 9 | < 4.4 | **770 F1** | **20** | < 9 | **818** |
| | 04/05/21 | < 26 | < 3.8 | < 6.8 | < 5.8 | **38** | < 18 | < 8.8 | **860** | **36** | < 18 | **934** |
| | 11/01/21 | < 26 | < 3.8 | < 6.8 | < 5.8 | < 16 | < 18 | < 8.8 | **920** | **19 J** | < 18 | **939** |
| | 04/06/22 | **110 J** | < 14 | < 1.7 | < 1.4 | **13** | < 1.7 | < 2.3 | **440** | **17** | < 2.1 | **580** |
| | 11/09/22 | < 16 | < 14 | < 1.7 | < 1.4 | **13 D** | < 1.7 | < 2.3 | **600 D** | **10 D** | < 2.1 | **623** |
| | 04/06/23 | < 80 | < 20 | 1.1 J D | < 4 | **43 D** | < 4 | < 20 | **290 D** | **14 D** | < 8 | **348** |
| **MW-27S** | **12/1-12/6/16** | **ON-SITE EXCAVATION** | | | | | | | | | | |
| | 05/11/17 | < 1.3 | < 0.19 | 0.47 J | < 0.29 | < 0.81 | < 0.9 | < 0.44 | 1.7 | < 0.46 | < 0.9 | **2.2** |
| | 11/17/20 | < 1.3 | < 0.19 | 0.62 J | < 0.29 | < 0.81 | < 0.9 | < 0.44 | **25** | 0.62 J | < 0.9 | **26.2** |
| | 04/05/21 | < 1.3 | < 0.19 | 1.4 | < 0.29 | < 0.81 | < 0.90 | < 0.44 | **6.6** | < 0.46 | < 0.9 | **8.0** |
| | 11/01/21 | < 1.3 | < 0.19 | 2.7 | < 0.29 | < 0.81 | < 0.90 | < 0.44 | **6.5** | < 0.46 | < 0.9 | **9.2** |
| | 04/06/22 | < 1.6 | < 1.4 | 2.1 | < 0.14 | < 0.15 | < 0.17 | < 0.23 | **5.3** | < 0.19 | < 0.21 | **7.4** |
| | 11/09/22 | < 1.6 | < 1.4 | 4.3 | < 0.14 | < 0.15 | < 0.17 | < 0.23 | **6.4** | < 0.19 | < 0.21 | **10.7** |
| | 04/06/23 | < 20 | < 5 | 2.4 | < 1 | < 1 | < 1 | < 5 | 4.1 | < 1 | < 2 | **6.5** |

**Notes:**

1. Only those parameters detected above their specific GWQS at a minimum of one sample location are presented. Some additional parameters were detected but not included due to low concentrations and sporadic detection.
2. Groundwater Quality Standard (GWQS) per NYSDEC Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1.
3. Groundwater data for the May 2009, June 2011, October 2012, and July 2015 events obtained from NYSDEC. The additional sampling events were performed by Benchmark.
4. Field parameter results were not provided by the NYSDEC.
5. BM in consultation with NYSDEC believe MW-23D data collected November 9, 2022 is actually MW-23S data after discrepancy in purge log and depth to bottom measurement.

**Definitions:**

< 0.19 = Parameter not detected above laboratory method detection limit.
NA = Sample not analyzed for parameter.
"--" = No groundwater quality standard available.
J = Estimated value; result is less than the sample quantitation limit but greater than zero.
J+ = the analyte was positively identified; the associated numerical value is an estimated quantity that may be biased high.
b = Analyte was detected in the associated blank as well as in the sample. Value is above the action level for consideration as being external contamination.
B = Indicates a value greater than or equal to the instrument detection limit, but less than the quantitation limit.
D = Concentration of analyte was quantified from a diluted analysis. Numerical value indicates level of dilution completed.
F1 = MS and/or MSD recovery exceeds control limits.
NS = Not sampled due to car parked over well; several attempts to sample were made over a 2-week period.

Result exceeds Groundwater Quality Standard (GWQS) per NYSDEC Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1

# APPENDIX A

## INSTITUTIONAL & ENGINEERING CONTROLS CERTIFICATION FORMS

# APPENDIX A1

## SITE NO. C915208

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

**Site Details** **Box 1**

**Site No. C915208**

**Site Name 275 Franklin Street**

Site Address: 275 Franklin Street Zip Code: 14202
City/Town: Buffalo
County: Erie
Site Acreage: 0.260

Reporting Period: April 27, 2022 to April 27, 2023

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

**Box 2**

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

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

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

Signature of Owner, Remedial Party or Designated Representative Date

**Box 2A**

| | YES | NO |
|---|---|---|
| 8. Has any new information revealed that assumptions made in the Qualitative Exposure Assessment regarding offsite contamination are no longer valid? | ☐ | ☑ |

**If you answered YES to question 8, include documentation or evidence that documentation has been previously submitted with this certification form.**

| | | |
|---|---|---|
| 9. Are the assumptions in the Qualitative Exposure Assessment still valid? (The Qualitative Exposure Assessment must be certified every five years) | ☑ | ☐ |

**If you answered NO to question 9, the Periodic Review Report must include an updated Qualitative Exposure Assessment based on the new assumptions.**

**SITE NO. C915208** **Box 3**

**Description of Institutional Controls**

| Parcel | Owner | Institutional Control |
|---|---|---|
| **111.38-2-22** | Buffalo Development Corporation | Ground Water Use Restriction<br>Landuse Restriction<br>Site Management Plan<br>IC/EC Plan<br><br>Soil Management Plan<br>Building Use Restriction<br>Monitoring Plan |

- Prohibition against well installation (or use of gw without treatment)
- Compliance with the Site Management Plan
- Compliance with the Soils Management Plan
- Annual monitoring of groundwater
- Highest land use is restricted to restricted residential

| | | |
|---|---|---|
| **111.38-2-23** | Buffalo Development Corporation | Ground Water Use Restriction<br>Soil Management Plan<br>Landuse Restriction<br>Building Use Restriction<br>Monitoring Plan<br>Site Management Plan<br>IC/EC Plan |

- Prohibition against well installation (or use of gw without treatment)
- Compliance with the Site Management Plan
- Compliance with the Soils Management Plan
- Annual monitoring of groundwater
- Highest land use is restricted to restricted residential

**Box 4**

**Description of Engineering Controls**

| Parcel | Engineering Control |
|---|---|
| **111.38-2-22** | Vapor Mitigation<br>Cover System |

- Cover consisting of hardscape or clean soil
- In-situ plume reduction measure
- Vapor intrusion mitigation for new structures

| | |
|---|---|
| **111.38-2-23** | Cover System |

| Parcel | Engineering Control |
|---|---|
| | Vapor Mitigation |

- Site cover consisting of hardscape or clean soil
- In-situ plume reduction measure
- Vapor intrusion mitigation for existing and new structures

**Box 5**

**Periodic Review Report (PRR) Certification Statements**

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

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

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

| YES | NO |
|---|---|
| ☑ | ☐ |

2. For each Engineering control listed in Box 4, I certify by checking "YES" below that all of the following statements are true:

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

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

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

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

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

| YES | NO |
|---|---|
| ☑ | ☐ |

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

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

_____ _____

Signature of Owner, Remedial Party or Designated Representative — Date

**IC CERTIFICATIONS**
**SITE NO. C915208**

**Box 6**

**SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE**

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

I Jessica Croce (print name) at 257 Franklin Street, Buffalo NY, 14202 (print business address),

am certifying as President of Buffalo Development Corp. (Owner or Remedial Party)

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

Jessica R Croce — Signature of Owner, Remedial Party, or Designated Representative Rendering Certification

5/25/2023 — Date

**EC CERTIFICATIONS**
SITE NO. C915208

**Box 7**

**Qualified Environmental Professional Signature**

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

I Lori Riker, P.E. (print name) at Benchmark Civil/Environmental Engineering & Geology, PLLC, 2558 Hamburg Turnpike, Suite 300, Buffalo, NY 14218 (print business address),

am certifying as a Qualified Environmental Professional for the Owner (Owner or Remedial Party)

STATE OF NEW YORK
LORI E. RIKER
077625-1
LICENSED PROFESSIONAL ENGINEER

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

Stamp (Required for PE)

5/26/23 — Date

# APPENDIX A2

## SITE NO. C915237

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

**Site Details** **Box 1**

**Site No. C915237**

**Site Name 432 Pearl Street**

Site Address: 432 Pearl Street Zip Code: 14202
City/Town: Buffalo
County: Erie
Site Acreage: 0.700

Reporting Period: April 27, 2022 to April 27, 2023

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

**Box 2**

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

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

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

Signature of Owner, Remedial Party or Designated Representative Date

**Box 2A**

| | YES | NO |
|---|---|---|
| 8. Has any new information revealed that assumptions made in the Qualitative Exposure Assessment regarding offsite contamination are no longer valid? | ☐ | ☑ |

**If you answered YES to question 8, include documentation or evidence that documentation has been previously submitted with this certification form.**

| | | |
|---|---|---|
| 9. Are the assumptions in the Qualitative Exposure Assessment still valid? (The Qualitative Exposure Assessment must be certified every five years) | ☑ | ☐ |

**If you answered NO to question 9, the Periodic Review Report must include an updated Qualitative Exposure Assessment based on the new assumptions.**

**SITE NO. C915237** **Box 3**

**Description of Institutional Controls**

| Parcel | Owner | Institutional Control |
|---|---|---|
| **111.38-2-20.1** | Buffalo Development Corporation | Ground Water Use Restriction<br>Soil Management Plan<br>Landuse Restriction<br>Building Use Restriction<br>Monitoring Plan<br>Site Management Plan<br>IC/EC Plan |

- Prohibition against well installation (or use of gw without treatment)
- Compliance with the Site Management Plan
- Compliance with the Soils Management Plan
- Compliance with the Operations Management plan for the vapor mitigation system
- Annual monitoring of groundwater
- Highest land use is restricted to restricted residential

| | | |
|---|---|---|
| **111.38-2-4.1** | Buffalo Development Corporation | Site Management Plan<br>Ground Water Use Restriction<br>Soil Management Plan<br>Landuse Restriction<br>Monitoring Plan<br>IC/EC Plan<br><br>Building Use Restriction |

- Prohibition against well installation (or use of gw without treatment)
- Compliance with the Site Management Plan
- Compliance with the Soils Management Plan
- Annual monitoring of groundwater
- Highest land use is restricted to restricted residential

**Box 4**

**Description of Engineering Controls**

| Parcel | Engineering Control |
|---|---|
| **111.38-2-20.1** | Vapor Mitigation<br>Cover System |

- Cover consisting of hardscape or clean soil
- In-situ plume reduction measure
- Vapor intrusion mitigation for existing and new structures

| | |
|---|---|
| **111.38-2-4.1** | Cover System |

| Parcel | Engineering Control |
|---|---|
| • Cover consisting of hardscape or clean soil<br>• Vapor intrusion mitigation for new structures | |

**Box 5**

**Periodic Review Report (PRR) Certification Statements**

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

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

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

| YES | NO |
|---|---|
| ☑ | ☐ |

2. For each Engineering control listed in Box 4, I certify by checking "YES" below that all of the following statements are true:

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

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

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

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

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

| YES | NO |
|---|---|
| ☑ | ☐ |

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

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

_____ _____

Signature of Owner, Remedial Party or Designated Representative Date

**IC CERTIFICATIONS**
**SITE NO. C915237**

**Box 6**

**SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE**

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

I Jessica Croce (print name) at 257 Franklin Street, Buffalo NY, 14202 (print business address),

am certifying as President of Buffalo Development Corp. (Owner or Remedial Party)

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

Jessica R Croce — Signature of Owner, Remedial Party, or Designated Representative Rendering Certification

5/25/2023 — Date

**EC CERTIFICATIONS**

SITE NO. C915237

**Box 7**

**Professional Engineer Signature**

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

I Lori Riker, P.E. (print name) at Benchmark Civil/Environmental Engineering & Geology, PLLC, 2558 Hamburg Turnpike, Suite 300, Buffalo, NY 14218 (print business address),

am certifying as a Professional Engineer for the Owner (Owner or Remedial Party)


Lori Riker — Signature of Professional Engineer, for the Owner or Remedial Party, Rendering Certification

Stamp (Required for PE)

5/26/23 — Date

# APPENDIX B

## PHOTOGRAPHIC LOG

# SITE PHOTOGRAPHS

**Photo 1:**

**Photo 2:**

**Photo 3:**

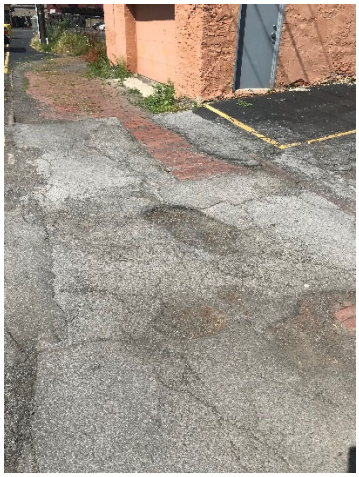


**Photo 4:**

**432 PEARL STREET**

Photo 1: Patched asphalt cover system in southwest portion of Site (looking north), completed August 2022

Photo 2: Patched asphalt cover system along eastern boundary of the Site (looking north), completed August 2022

Photo 3: Compromised asphalt in Asbury Alley, taken July 2022 (looking north)

Photo 4: Patched asphalt cover system in Asbury Alley and both Sites, completed August 2022 (looking east)

# SITE PHOTOGRAPHS

**Photo 5:**

**Photo 6:**

**Photo 7:**

**Photo 8:**

**432 PEARL STREET, APRIL 2023 SITE INSPECTION**

Photo 5: Asphalt cover system along eastern property boundary (looking southwest)

Photo 6: Asphalt cover system, from southwest corner of property (looking northeast)

Photo 7: Asphalt cover system along western property boundary and Asbury Alley (looking southeast)

Photo 8: Asphalt cover system in center of property (looking northwest)

# SITE PHOTOGRAPHS

**Photo 9:**

**Photo 10:**


**Photo 11:**

**Photo 12:**

**275 FRANKLIN STREET**

Photo 9: Compromised asphalt cover system in northeast portion of the Site, taken July 2022 (looking west)

Photo 10: Patched asphalt cover system in northeast portion of the Site, completed August 2022 (looking east)

Photo 11: One of several asphalt cracks along north side of apartment building, taken July 2022

Photo 12: Patched asphalt cover along north side of apartment building, completed August 2022 (looking west)

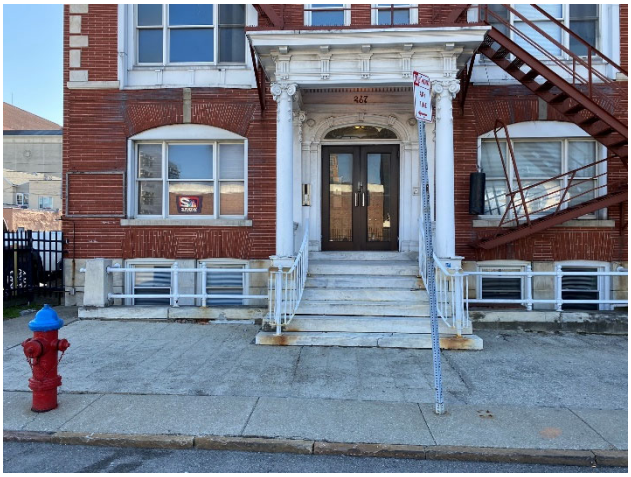
# SITE PHOTOGRAPHS

**Photo 13:**

**Photo 14:**

**Photo 15:**

**Photo 16:**



**267 FRANKLIN STREET, APRIL 2023 SITE INSPECTION**

Photo 13: Asphalt cover system along eastern property boundary (looking north)

Photo 14: Asphalt cover system along western boundary (looking south)

Photo 15: Asphalt cover system from western property boundary (looking east)

Photo 16: Hardscape and landscape cover system along Franklin Street (looking east)

# SITE PHOTOGRAPHS

**Photo 17:**

**Photo 18:**


**Photo 19:**

**Photo 20:**


**267 FRANKLIN STREET APARTMENT ASD SYSTEM**

Photo 17: System #1 manometer in basement

Photo 18: System #2 manometer in basement

Photo 19: System #1 RP265 fans on roof

Photo 20: System #2 GP501 series fan on roof

# SITE PHOTOGRAPHS

**Photo 21:**

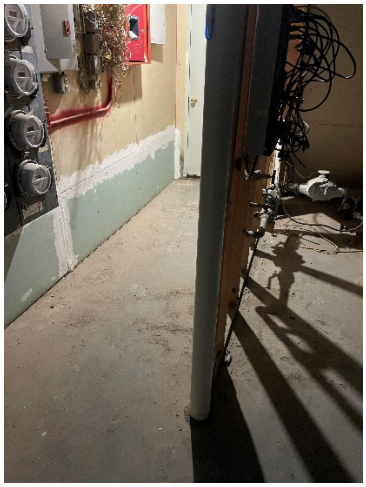


**Photo 22:**

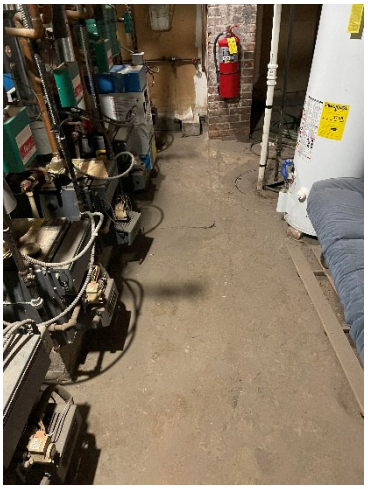


**Photo 23:**

**267 FRANKLIN STREET**

Photo 21: Cover system within 267 Franklin Street apartment building, taken at ASD system #1 manometer

Photo 22: Cover system within 267 Franklin Street apartment building, taken at ASD system #2 manometer

Photo 23: PZ-7 with replaced PVC cap.

# APPENDIX C

## ASD SYSTEM LOGS

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

# Active Sub-Slab Depressurization System Annual Operation & Maintenance Certification Checklist

| | |
|---|---|
| Project Name: 275 Franklin & 432 Pearl St Site | Project No.: 0156-022-001 |
| Project Location: 267 Pearl St, Buffalo, NY | Client: Buffalo Development Corp. |
| Preparer's Name: Lori Riker, P.E. | Date/Time: April 13, 2023 / 9:30 AM |

**Notes:**

## System Information

| | | |
|---|---|---|
| Has monthly system inspection been completed regularly? | ☒ yes | ☐ no |
| Are last 11 inspection logs attached for the past 12 months? | ☒ yes | ☐ no |

What is the current Vacuum reading? System #1 = 1.3 System #2 = 1.2

## System Updates, Maintenance, Part Replacement

None

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

# Active Sub-Slab Depressurization System Annual Operation & Maintenance Certification Checklist

## Change in Occupancy / Use of Space:

Please indicate general use of floor space? Apartment building

Has this general use changed in the past year? ☐ yes ☒ no

If yes, please explain:

No tenants are currently living in the building.

## Building Renovations:

Have any building renovations taken place in the last month? ☐ yes ☒ no

If yes, please provide more information below, and sketch any basement floor plan modifications on the floor plan sketch below.

## System Modifications:

Have any modifications been made to the Sub-Slab Depressurization System? ☐ yes ☒ no

If so, please list with date:

# Active Sub-Slab Depressurization System
# Annual Operation & Maintenance
# Certification Checklist

**Floor Plan Sketch:**

Draw a plan view sketch of the basement of the building. Indicate Sub-Slab Depressurization system location. Please also note and include, any alterations to the system, locations of visible cracks and/or repairs needed, and changes or alterations to the usage of this space.

System #1

**Active Subslab Depressurization (ASD) System Log**
**ASD System #2 (3 Sub-Slab Suction Points)**
**Radonaway RP-265 Series**

**Buffalo Development Corporation**
**432 Pearl Street Site (BCP Site No. C915237)**

| Date | Monometer Reading (in. wc) | Initials | Comments |
|---|---|---|---|
| 4/22 | 1.5 | PW | |
| 5/22 | 1.5 | PW | |
| 6-22 | 1.5 | PW | |
| 7/22 | 1.5 | PW | |
| 8/22 | 1.5 | PW | |
| 9/22 | 1.5 | PW | |
| 10/22 | 1.5 | PW | |
| 11/22 | 1.5 | PW | |
| 12/22 | 1.5 | PW | |
| 1/23 | 1.5 | PW | |
| 2/23 | 1.5 | PW | |
| 3/23 | 1.5 | PW | |

**Active Subslab Depressurization (ASD) System Log**
**ASD System #1 (5 Sub-Slab Suction Points)**
**Radonaway GP-501 Series**

**Buffalo Development Corporation**
**432 Pearl Street Site (BCP Site No. C915237)**

| Date | Monometer Reading (in. wc) | Initials | Comments |
|---|---|---|---|
| 4/23 | 1.5 | PW | |
| | | | |
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| | | | |

System #2

**Active Subslab Depressurization (ASD) System Log**
**ASD System #2 (3 Sub-Slab Suction Points)**
**Radonaway GP-501 Series**

**Buffalo Development Corporation**
**432 Pearl Street Site (BCP Site No. C915237)**

| Date | Monometer Reading (in. wc) | Initials | Comments |
|---|---|---|---|
| 4/22 | 0.5 | PW | |
| 5/22 | 0.5 | PW | |
| 6-22 | 0.5 | PW | |
| 7/22 | 0.5 | PW | |
| 8/22 | 0.5 | PW | |
| 9/22 | 0.5 | PW | |
| 10/22 | 0.6 | PW | |
| 11/22 | 0.8 | PW | |
| 12/22 | 0.8 | PW | |
| 1/23 | 1.0 | PW | |
| 2/23 | 1.2 | PW | |
| 3/23 | 1.2 | PW | |

**Active Subslab Depressurization (ASD) System Log**
**ASD System #2 (3 Sub-Slab Suction Points)**
**Radonaway RP-265 Series**

**Buffalo Development Corporation**
**432 Pearl Street Site (BCP Site No. C915237)**

| Date | Monometer Reading (in. wc) | Initials | Comments |
|---|---|---|---|
| 4/23 | 1.2 | PW | |
| | | | |
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# APPENDIX D

## GROUNDWATER ANALYTICAL DATA & FIELD NOTES

# ANALYTICAL REPORT

| | |
|---|---|
| Lab Number: | L2263386 |
| Client: | Benchmark & Turnkey Companies<br>2558 Hamburg Turnpike<br>Suite 300<br>Buffalo, NY 14218 |
| ATTN: | Lori Riker |
| Phone: | (716) 856-0599 |
| Project Name: | 275 FRANKLIN STREET SITE |
| Project Number: | B0156-022-001-001-00 |
| Report Date: | 11/28/22 |



Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

**Project Name:** 275 FRANKLIN STREET SITE
**Project Number:** B0156-022-001-001-00

**Lab Number:** L2263386
**Report Date:** 11/28/22

| Alpha Sample ID | Client ID | Matrix | Sample Location | Collection Date/Time | Receive Date |
|---|---|---|---|---|---|
| L2263386-01 | PZ-4R | WATER | BUFFALO, NY | 11/10/22 10:46 | 11/10/22 |
| L2263386-02 | MW-5R | WATER | BUFFALO, NY | 11/10/22 10:06 | 11/10/22 |
| L2263386-03 | PZ-5 | WATER | BUFFALO, NY | 11/10/22 09:20 | 11/10/22 |
| L2263386-04 | PZ-6 | WATER | BUFFALO, NY | 11/10/22 08:45 | 11/10/22 |
| L2263386-05 | PZ-11 | WATER | BUFFALO, NY | 11/10/22 14:21 | 11/10/22 |
| L2263386-06 | PZ-12 | WATER | BUFFALO, NY | 11/10/22 14:00 | 11/10/22 |
| L2263386-07 | PZ-13 | WATER | BUFFALO, NY | 11/10/22 11:21 | 11/10/22 |
| L2263386-08 | PZ-14 | WATER | BUFFALO, NY | 11/10/22 11:54 | 11/10/22 |
| L2263386-09 | MW-24D | WATER | BUFFALO, NY | 11/10/22 13:12 | 11/10/22 |
| L2263386-10 | MW-24S | WATER | BUFFALO, NY | 11/10/22 13:30 | 11/10/22 |
| L2263386-11 | MW-23S | WATER | BUFFALO, NY | 11/10/22 12:33 | 11/10/22 |
| L2263386-12 | BLIND DUP | WATER | BUFFALO, NY | 11/10/22 00:00 | 11/10/22 |
| L2263386-13 | TRIP BLANK | WATER | BUFFALO, NY | 11/10/22 00:00 | 11/10/22 |

| | | | |
|---|---|---|---|
| **Project Name:** | 275 FRANKLIN STREET SITE | **Lab Number:** | L2263386 |
| **Project Number:** | B0156-022-001-001-00 | **Report Date:** | 11/28/22 |

## Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

| | | | |
|---|---|---|---|
| **Project Name:** | 275 FRANKLIN STREET SITE | **Lab Number:** | L2263386 |
| **Project Number:** | B0156-022-001-001-00 | **Report Date:** | 11/28/22 |

**Case Narrative (continued)**

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Sample Receipt

L2263386-08: The collection date and time on the chain of custody was 10-NOV-22 11:54; however, the collection date/time on the container label was 10-NOV-22 11:52. At the client's request, the collection date/time is reported as 10-NOV-22 11:54.

Volatile Organics

L2263386-01D2: The analysis was performed utilizing a compromised vial.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Caitlin Walukevich

Title: Technical Director/Representative Date: 11/28/22

# ORGANICS

# VOLATILES

**Project Name:** 275 FRANKLIN STREET SITE
**Project Number:** B0156-022-001-001-00
**Lab Number:** L2263386
**Report Date:** 11/28/22

## SAMPLE RESULTS

Lab ID: L2263386-01 D2
Client ID: PZ-4R
Sample Location: BUFFALO, NY

Date Collected: 11/10/22 10:46
Date Received: 11/10/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 11/22/22 10:36
Analyst: PID

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Tetrachloroethene | 1600 | | ug/l | 25 | 9.0 | 50 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 108 | | 70-130 |
| Toluene-d8 | 102 | | 70-130 |
| 4-Bromofluorobenzene | 101 | | 70-130 |
| Dibromofluoromethane | 102 | | 70-130 |

**Project Name:** 275 FRANKLIN STREET SITE **Lab Number:** L2263386

**Project Number:** B0156-022-001-001-00 **Report Date:** 11/28/22

## SAMPLE RESULTS

Lab ID: L2263386-01 D
Client ID: PZ-4R
Sample Location: BUFFALO, NY

Date Collected: 11/10/22 10:46
Date Received: 11/10/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 11/20/22 12:35
Analyst: PID

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Methylene chloride | ND | | ug/l | 25 | 7.0 | 10 |
| 1,1-Dichloroethane | ND | | ug/l | 25 | 7.0 | 10 |
| Chloroform | ND | | ug/l | 25 | 7.0 | 10 |
| Carbon tetrachloride | ND | | ug/l | 5.0 | 1.3 | 10 |
| 1,2-Dichloropropane | ND | | ug/l | 10 | 1.4 | 10 |
| Dibromochloromethane | ND | | ug/l | 5.0 | 1.5 | 10 |
| 1,1,2-Trichloroethane | ND | | ug/l | 15 | 5.0 | 10 |
| Tetrachloroethene | 2100 | E | ug/l | 5.0 | 1.8 | 10 |
| Chlorobenzene | ND | | ug/l | 25 | 7.0 | 10 |
| Trichlorofluoromethane | ND | | ug/l | 25 | 7.0 | 10 |
| 1,2-Dichloroethane | ND | | ug/l | 5.0 | 1.3 | 10 |
| 1,1,1-Trichloroethane | ND | | ug/l | 25 | 7.0 | 10 |
| Bromodichloromethane | ND | | ug/l | 5.0 | 1.9 | 10 |
| trans-1,3-Dichloropropene | ND | | ug/l | 5.0 | 1.6 | 10 |
| cis-1,3-Dichloropropene | ND | | ug/l | 5.0 | 1.4 | 10 |
| Bromoform | ND | | ug/l | 20 | 6.5 | 10 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/l | 5.0 | 1.7 | 10 |
| Benzene | ND | | ug/l | 5.0 | 1.6 | 10 |
| Toluene | ND | | ug/l | 25 | 7.0 | 10 |
| Ethylbenzene | ND | | ug/l | 25 | 7.0 | 10 |
| Chloromethane | ND | | ug/l | 25 | 7.0 | 10 |
| Bromomethane | ND | | ug/l | 25 | 7.0 | 10 |
| Vinyl chloride | ND | | ug/l | 10 | 0.71 | 10 |
| Chloroethane | ND | | ug/l | 25 | 7.0 | 10 |
| 1,1-Dichloroethene | ND | | ug/l | 5.0 | 1.7 | 10 |
| trans-1,2-Dichloroethene | ND | | ug/l | 25 | 7.0 | 10 |
| Trichloroethene | 37 | | ug/l | 5.0 | 1.8 | 10 |
| 1,2-Dichlorobenzene | ND | | ug/l | 25 | 7.0 | 10 |

**Project Name:** 275 FRANKLIN STREET SITE **Lab Number:** L2263386

**Project Number:** B0156-022-001-001-00 **Report Date:** 11/28/22

## SAMPLE RESULTS

Lab ID: L2263386-01 D Date Collected: 11/10/22 10:46
Client ID: PZ-4R Date Received: 11/10/22
Sample Location: BUFFALO, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by GC/MS - Westborough Lab** | | | | | | |
| 1,3-Dichlorobenzene | ND | | ug/l | 25 | 7.0 | 10 |
| 1,4-Dichlorobenzene | ND | | ug/l | 25 | 7.0 | 10 |
| Methyl tert butyl ether | ND | | ug/l | 25 | 7.0 | 10 |
| p/m-Xylene | ND | | ug/l | 25 | 7.0 | 10 |
| o-Xylene | ND | | ug/l | 25 | 7.0 | 10 |
| cis-1,2-Dichloroethene | 37 | | ug/l | 25 | 7.0 | 10 |
| Styrene | ND | | ug/l | 25 | 7.0 | 10 |
| Dichlorodifluoromethane | ND | | ug/l | 50 | 10. | 10 |
| Acetone | ND | | ug/l | 50 | 15. | 10 |
| Carbon disulfide | ND | | ug/l | 50 | 10. | 10 |
| 2-Butanone | ND | | ug/l | 50 | 19. | 10 |
| 4-Methyl-2-pentanone | ND | | ug/l | 50 | 10. | 10 |
| 2-Hexanone | ND | | ug/l | 50 | 10. | 10 |
| Bromochloromethane | ND | | ug/l | 25 | 7.0 | 10 |
| 1,2-Dibromoethane | ND | | ug/l | 20 | 6.5 | 10 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/l | 25 | 7.0 | 10 |
| Isopropylbenzene | ND | | ug/l | 25 | 7.0 | 10 |
| 1,2,3-Trichlorobenzene | ND | | ug/l | 25 | 7.0 | 10 |
| 1,2,4-Trichlorobenzene | ND | | ug/l | 25 | 7.0 | 10 |
| Methyl Acetate | ND | | ug/l | 20 | 2.3 | 10 |
| Cyclohexane | ND | | ug/l | 100 | 2.7 | 10 |
| 1,4-Dioxane | ND | | ug/l | 2500 | 610 | 10 |
| Freon-113 | ND | | ug/l | 25 | 7.0 | 10 |
| Methyl cyclohexane | ND | | ug/l | 100 | 4.0 | 10 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 94 | | 70-130 |
| Toluene-d8 | 92 | | 70-130 |
| 4-Bromofluorobenzene | 111 | | 70-130 |
| Dibromofluoromethane | 100 | | 70-130 |

**Project Name:** 275 FRANKLIN STREET SITE **Lab Number:** L2263386

**Project Number:** B0156-022-001-001-00 **Report Date:** 11/28/22

## SAMPLE RESULTS

Lab ID: L2263386-02 D
Client ID: MW-5R
Sample Location: BUFFALO, NY

Date Collected: 11/10/22 10:06
Date Received: 11/10/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 11/20/22 12:54
Analyst: PID

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Methylene chloride | ND | | ug/l | 10 | 2.8 | 4 |
| 1,1-Dichloroethane | ND | | ug/l | 10 | 2.8 | 4 |
| Chloroform | ND | | ug/l | 10 | 2.8 | 4 |
| Carbon tetrachloride | ND | | ug/l | 2.0 | 0.54 | 4 |
| 1,2-Dichloropropane | ND | | ug/l | 4.0 | 0.55 | 4 |
| Dibromochloromethane | ND | | ug/l | 2.0 | 0.60 | 4 |
| 1,1,2-Trichloroethane | ND | | ug/l | 6.0 | 2.0 | 4 |
| Tetrachloroethene | 580 | | ug/l | 2.0 | 0.72 | 4 |
| Chlorobenzene | ND | | ug/l | 10 | 2.8 | 4 |
| Trichlorofluoromethane | ND | | ug/l | 10 | 2.8 | 4 |
| 1,2-Dichloroethane | ND | | ug/l | 2.0 | 0.53 | 4 |
| 1,1,1-Trichloroethane | ND | | ug/l | 10 | 2.8 | 4 |
| Bromodichloromethane | ND | | ug/l | 2.0 | 0.77 | 4 |
| trans-1,3-Dichloropropene | ND | | ug/l | 2.0 | 0.66 | 4 |
| cis-1,3-Dichloropropene | ND | | ug/l | 2.0 | 0.58 | 4 |
| Bromoform | ND | | ug/l | 8.0 | 2.6 | 4 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/l | 2.0 | 0.67 | 4 |
| Benzene | ND | | ug/l | 2.0 | 0.64 | 4 |
| Toluene | ND | | ug/l | 10 | 2.8 | 4 |
| Ethylbenzene | ND | | ug/l | 10 | 2.8 | 4 |
| Chloromethane | ND | | ug/l | 10 | 2.8 | 4 |
| Bromomethane | ND | | ug/l | 10 | 2.8 | 4 |
| Vinyl chloride | ND | | ug/l | 4.0 | 0.28 | 4 |
| Chloroethane | ND | | ug/l | 10 | 2.8 | 4 |
| 1,1-Dichloroethene | ND | | ug/l | 2.0 | 0.68 | 4 |
| trans-1,2-Dichloroethene | ND | | ug/l | 10 | 2.8 | 4 |
| Trichloroethene | 65 | | ug/l | 2.0 | 0.70 | 4 |
| 1,2-Dichlorobenzene | ND | | ug/l | 10 | 2.8 | 4 |

**Project Name:** 275 FRANKLIN STREET SITE **Lab Number:** L2263386

**Project Number:** B0156-022-001-001-00 **Report Date:** 11/28/22

## SAMPLE RESULTS

Lab ID: L2263386-02 D Date Collected: 11/10/22 10:06
Client ID: MW-5R Date Received: 11/10/22
Sample Location: BUFFALO, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by GC/MS - Westborough Lab** | | | | | | |
| 1,3-Dichlorobenzene | ND | | ug/l | 10 | 2.8 | 4 |
| 1,4-Dichlorobenzene | ND | | ug/l | 10 | 2.8 | 4 |
| Methyl tert butyl ether | ND | | ug/l | 10 | 2.8 | 4 |
| p/m-Xylene | ND | | ug/l | 10 | 2.8 | 4 |
| o-Xylene | ND | | ug/l | 10 | 2.8 | 4 |
| cis-1,2-Dichloroethene | 160 | | ug/l | 10 | 2.8 | 4 |
| Styrene | ND | | ug/l | 10 | 2.8 | 4 |
| Dichlorodifluoromethane | ND | | ug/l | 20 | 4.0 | 4 |
| Acetone | ND | | ug/l | 20 | 5.8 | 4 |
| Carbon disulfide | ND | | ug/l | 20 | 4.0 | 4 |
| 2-Butanone | ND | | ug/l | 20 | 7.8 | 4 |
| 4-Methyl-2-pentanone | ND | | ug/l | 20 | 4.0 | 4 |
| 2-Hexanone | ND | | ug/l | 20 | 4.0 | 4 |
| Bromochloromethane | ND | | ug/l | 10 | 2.8 | 4 |
| 1,2-Dibromoethane | ND | | ug/l | 8.0 | 2.6 | 4 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/l | 10 | 2.8 | 4 |
| Isopropylbenzene | ND | | ug/l | 10 | 2.8 | 4 |
| 1,2,3-Trichlorobenzene | ND | | ug/l | 10 | 2.8 | 4 |
| 1,2,4-Trichlorobenzene | ND | | ug/l | 10 | 2.8 | 4 |
| Methyl Acetate | ND | | ug/l | 8.0 | 0.94 | 4 |
| Cyclohexane | ND | | ug/l | 40 | 1.1 | 4 |
| 1,4-Dioxane | ND | | ug/l | 1000 | 240 | 4 |
| Freon-113 | ND | | ug/l | 10 | 2.8 | 4 |
| Methyl cyclohexane | ND | | ug/l | 40 | 1.6 | 4 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 95 | | 70-130 |
| Toluene-d8 | 95 | | 70-130 |
| 4-Bromofluorobenzene | 112 | | 70-130 |
| Dibromofluoromethane | 102 | | 70-130 |

**Project Name:** 275 FRANKLIN STREET SITE
**Project Number:** B0156-022-001-001-00
**Lab Number:** L2263386
**Report Date:** 11/28/22

## SAMPLE RESULTS

Lab ID: L2263386-03 D
Client ID: PZ-5
Sample Location: BUFFALO, NY

Date Collected: 11/10/22 09:20
Date Received: 11/10/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 11/20/22 13:14
Analyst: PID

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Methylene chloride | ND | | ug/l | 5.0 | 1.4 | 2 |
| 1,1-Dichloroethane | ND | | ug/l | 5.0 | 1.4 | 2 |
| Chloroform | 1.4 | J | ug/l | 5.0 | 1.4 | 2 |
| Carbon tetrachloride | ND | | ug/l | 1.0 | 0.27 | 2 |
| 1,2-Dichloropropane | ND | | ug/l | 2.0 | 0.27 | 2 |
| Dibromochloromethane | ND | | ug/l | 1.0 | 0.30 | 2 |
| 1,1,2-Trichloroethane | ND | | ug/l | 3.0 | 1.0 | 2 |
| Tetrachloroethene | 260 | | ug/l | 1.0 | 0.36 | 2 |
| Chlorobenzene | ND | | ug/l | 5.0 | 1.4 | 2 |
| Trichlorofluoromethane | ND | | ug/l | 5.0 | 1.4 | 2 |
| 1,2-Dichloroethane | ND | | ug/l | 1.0 | 0.26 | 2 |
| 1,1,1-Trichloroethane | ND | | ug/l | 5.0 | 1.4 | 2 |
| Bromodichloromethane | ND | | ug/l | 1.0 | 0.38 | 2 |
| trans-1,3-Dichloropropene | ND | | ug/l | 1.0 | 0.33 | 2 |
| cis-1,3-Dichloropropene | ND | | ug/l | 1.0 | 0.29 | 2 |
| Bromoform | ND | | ug/l | 4.0 | 1.3 | 2 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/l | 1.0 | 0.33 | 2 |
| Benzene | ND | | ug/l | 1.0 | 0.32 | 2 |
| Toluene | ND | | ug/l | 5.0 | 1.4 | 2 |
| Ethylbenzene | ND | | ug/l | 5.0 | 1.4 | 2 |
| Chloromethane | ND | | ug/l | 5.0 | 1.4 | 2 |
| Bromomethane | ND | | ug/l | 5.0 | 1.4 | 2 |
| Vinyl chloride | ND | | ug/l | 2.0 | 0.14 | 2 |
| Chloroethane | ND | | ug/l | 5.0 | 1.4 | 2 |
| 1,1-Dichloroethene | ND | | ug/l | 1.0 | 0.34 | 2 |
| trans-1,2-Dichloroethene | ND | | ug/l | 5.0 | 1.4 | 2 |
| Trichloroethene | ND | | ug/l | 1.0 | 0.35 | 2 |
| 1,2-Dichlorobenzene | ND | | ug/l | 5.0 | 1.4 | 2 |

**Project Name:** 275 FRANKLIN STREET SITE **Lab Number:** L2263386

**Project Number:** B0156-022-001-001-00 **Report Date:** 11/28/22

## SAMPLE RESULTS

Lab ID: L2263386-03 D
Client ID: PZ-5
Sample Location: BUFFALO, NY

Date Collected: 11/10/22 09:20
Date Received: 11/10/22
Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by GC/MS - Westborough Lab** | | | | | | |
| 1,3-Dichlorobenzene | ND | | ug/l | 5.0 | 1.4 | 2 |
| 1,4-Dichlorobenzene | ND | | ug/l | 5.0 | 1.4 | 2 |
| Methyl tert butyl ether | ND | | ug/l | 5.0 | 1.4 | 2 |
| p/m-Xylene | ND | | ug/l | 5.0 | 1.4 | 2 |
| o-Xylene | ND | | ug/l | 5.0 | 1.4 | 2 |
| cis-1,2-Dichloroethene | ND | | ug/l | 5.0 | 1.4 | 2 |
| Styrene | ND | | ug/l | 5.0 | 1.4 | 2 |
| Dichlorodifluoromethane | ND | | ug/l | 10 | 2.0 | 2 |
| Acetone | ND | | ug/l | 10 | 2.9 | 2 |
| Carbon disulfide | ND | | ug/l | 10 | 2.0 | 2 |
| 2-Butanone | ND | | ug/l | 10 | 3.9 | 2 |
| 4-Methyl-2-pentanone | ND | | ug/l | 10 | 2.0 | 2 |
| 2-Hexanone | ND | | ug/l | 10 | 2.0 | 2 |
| Bromochloromethane | ND | | ug/l | 5.0 | 1.4 | 2 |
| 1,2-Dibromoethane | ND | | ug/l | 4.0 | 1.3 | 2 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/l | 5.0 | 1.4 | 2 |
| Isopropylbenzene | ND | | ug/l | 5.0 | 1.4 | 2 |
| 1,2,3-Trichlorobenzene | ND | | ug/l | 5.0 | 1.4 | 2 |
| 1,2,4-Trichlorobenzene | ND | | ug/l | 5.0 | 1.4 | 2 |
| Methyl Acetate | ND | | ug/l | 4.0 | 0.47 | 2 |
| Cyclohexane | ND | | ug/l | 20 | 0.54 | 2 |
| 1,4-Dioxane | ND | | ug/l | 500 | 120 | 2 |
| Freon-113 | ND | | ug/l | 5.0 | 1.4 | 2 |
| Methyl cyclohexane | ND | | ug/l | 20 | 0.79 | 2 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 100 | | 70-130 |
| Toluene-d8 | 93 | | 70-130 |
| 4-Bromofluorobenzene | 111 | | 70-130 |
| Dibromofluoromethane | 103 | | 70-130 |

**Project Name:** 275 FRANKLIN STREET SITE **Lab Number:** L2263386

**Project Number:** B0156-022-001-001-00 **Report Date:** 11/28/22

## SAMPLE RESULTS

Lab ID: L2263386-04 D
Client ID: PZ-6
Sample Location: BUFFALO, NY

Date Collected: 11/10/22 08:45
Date Received: 11/10/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 11/20/22 13:33
Analyst: PID

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Methylene chloride | ND | | ug/l | 6.2 | 1.8 | 2.5 |
| 1,1-Dichloroethane | ND | | ug/l | 6.2 | 1.8 | 2.5 |
| Chloroform | ND | | ug/l | 6.2 | 1.8 | 2.5 |
| Carbon tetrachloride | ND | | ug/l | 1.2 | 0.34 | 2.5 |
| 1,2-Dichloropropane | ND | | ug/l | 2.5 | 0.34 | 2.5 |
| Dibromochloromethane | ND | | ug/l | 1.2 | 0.37 | 2.5 |
| 1,1,2-Trichloroethane | ND | | ug/l | 3.8 | 1.2 | 2.5 |
| Tetrachloroethene | 360 | | ug/l | 1.2 | 0.45 | 2.5 |
| Chlorobenzene | ND | | ug/l | 6.2 | 1.8 | 2.5 |
| Trichlorofluoromethane | ND | | ug/l | 6.2 | 1.8 | 2.5 |
| 1,2-Dichloroethane | ND | | ug/l | 1.2 | 0.33 | 2.5 |
| 1,1,1-Trichloroethane | ND | | ug/l | 6.2 | 1.8 | 2.5 |
| Bromodichloromethane | ND | | ug/l | 1.2 | 0.48 | 2.5 |
| trans-1,3-Dichloropropene | ND | | ug/l | 1.2 | 0.41 | 2.5 |
| cis-1,3-Dichloropropene | ND | | ug/l | 1.2 | 0.36 | 2.5 |
| Bromoform | ND | | ug/l | 5.0 | 1.6 | 2.5 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/l | 1.2 | 0.42 | 2.5 |
| Benzene | ND | | ug/l | 1.2 | 0.40 | 2.5 |
| Toluene | ND | | ug/l | 6.2 | 1.8 | 2.5 |
| Ethylbenzene | ND | | ug/l | 6.2 | 1.8 | 2.5 |
| Chloromethane | ND | | ug/l | 6.2 | 1.8 | 2.5 |
| Bromomethane | ND | | ug/l | 6.2 | 1.8 | 2.5 |
| Vinyl chloride | ND | | ug/l | 2.5 | 0.18 | 2.5 |
| Chloroethane | ND | | ug/l | 6.2 | 1.8 | 2.5 |
| 1,1-Dichloroethene | ND | | ug/l | 1.2 | 0.42 | 2.5 |
| trans-1,2-Dichloroethene | ND | | ug/l | 6.2 | 1.8 | 2.5 |
| Trichloroethene | 2.9 | | ug/l | 1.2 | 0.44 | 2.5 |
| 1,2-Dichlorobenzene | ND | | ug/l | 6.2 | 1.8 | 2.5 |

**Project Name:** 275 FRANKLIN STREET SITE **Lab Number:** L2263386

**Project Number:** B0156-022-001-001-00 **Report Date:** 11/28/22

## SAMPLE RESULTS

Lab ID: L2263386-04 D
Client ID: PZ-6
Sample Location: BUFFALO, NY

Date Collected: 11/10/22 08:45
Date Received: 11/10/22
Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by GC/MS - Westborough Lab** | | | | | | |
| 1,3-Dichlorobenzene | ND | | ug/l | 6.2 | 1.8 | 2.5 |
| 1,4-Dichlorobenzene | ND | | ug/l | 6.2 | 1.8 | 2.5 |
| Methyl tert butyl ether | ND | | ug/l | 6.2 | 1.8 | 2.5 |
| p/m-Xylene | ND | | ug/l | 6.2 | 1.8 | 2.5 |
| o-Xylene | ND | | ug/l | 6.2 | 1.8 | 2.5 |
| cis-1,2-Dichloroethene | ND | | ug/l | 6.2 | 1.8 | 2.5 |
| Styrene | ND | | ug/l | 6.2 | 1.8 | 2.5 |
| Dichlorodifluoromethane | ND | | ug/l | 12 | 2.5 | 2.5 |
| Acetone | ND | | ug/l | 12 | 3.6 | 2.5 |
| Carbon disulfide | ND | | ug/l | 12 | 2.5 | 2.5 |
| 2-Butanone | ND | | ug/l | 12 | 4.8 | 2.5 |
| 4-Methyl-2-pentanone | ND | | ug/l | 12 | 2.5 | 2.5 |
| 2-Hexanone | ND | | ug/l | 12 | 2.5 | 2.5 |
| Bromochloromethane | ND | | ug/l | 6.2 | 1.8 | 2.5 |
| 1,2-Dibromoethane | ND | | ug/l | 5.0 | 1.6 | 2.5 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/l | 6.2 | 1.8 | 2.5 |
| Isopropylbenzene | ND | | ug/l | 6.2 | 1.8 | 2.5 |
| 1,2,3-Trichlorobenzene | ND | | ug/l | 6.2 | 1.8 | 2.5 |
| 1,2,4-Trichlorobenzene | ND | | ug/l | 6.2 | 1.8 | 2.5 |
| Methyl Acetate | ND | | ug/l | 5.0 | 0.58 | 2.5 |
| Cyclohexane | ND | | ug/l | 25 | 0.68 | 2.5 |
| 1,4-Dioxane | ND | | ug/l | 620 | 150 | 2.5 |
| Freon-113 | ND | | ug/l | 6.2 | 1.8 | 2.5 |
| Methyl cyclohexane | ND | | ug/l | 25 | 0.99 | 2.5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 96 | | 70-130 |
| Toluene-d8 | 94 | | 70-130 |
| 4-Bromofluorobenzene | 110 | | 70-130 |
| Dibromofluoromethane | 103 | | 70-130 |

**Project Name:** 275 FRANKLIN STREET SITE **Lab Number:** L2263386

**Project Number:** B0156-022-001-001-00 **Report Date:** 11/28/22

## SAMPLE RESULTS

Lab ID: L2263386-05 D
Client ID: PZ-11
Sample Location: BUFFALO, NY

Date Collected: 11/10/22 14:21
Date Received: 11/10/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 11/20/22 13:53
Analyst: PID

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Methylene chloride | ND | | ug/l | 25 | 7.0 | 10 |
| 1,1-Dichloroethane | ND | | ug/l | 25 | 7.0 | 10 |
| Chloroform | ND | | ug/l | 25 | 7.0 | 10 |
| Carbon tetrachloride | ND | | ug/l | 5.0 | 1.3 | 10 |
| 1,2-Dichloropropane | ND | | ug/l | 10 | 1.4 | 10 |
| Dibromochloromethane | ND | | ug/l | 5.0 | 1.5 | 10 |
| 1,1,2-Trichloroethane | ND | | ug/l | 15 | 5.0 | 10 |
| Tetrachloroethene | 800 | | ug/l | 5.0 | 1.8 | 10 |
| Chlorobenzene | ND | | ug/l | 25 | 7.0 | 10 |
| Trichlorofluoromethane | ND | | ug/l | 25 | 7.0 | 10 |
| 1,2-Dichloroethane | ND | | ug/l | 5.0 | 1.3 | 10 |
| 1,1,1-Trichloroethane | ND | | ug/l | 25 | 7.0 | 10 |
| Bromodichloromethane | ND | | ug/l | 5.0 | 1.9 | 10 |
| trans-1,3-Dichloropropene | ND | | ug/l | 5.0 | 1.6 | 10 |
| cis-1,3-Dichloropropene | ND | | ug/l | 5.0 | 1.4 | 10 |
| Bromoform | ND | | ug/l | 20 | 6.5 | 10 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/l | 5.0 | 1.7 | 10 |
| Benzene | ND | | ug/l | 5.0 | 1.6 | 10 |
| Toluene | ND | | ug/l | 25 | 7.0 | 10 |
| Ethylbenzene | ND | | ug/l | 25 | 7.0 | 10 |
| Chloromethane | ND | | ug/l | 25 | 7.0 | 10 |
| Bromomethane | ND | | ug/l | 25 | 7.0 | 10 |
| Vinyl chloride | ND | | ug/l | 10 | 0.71 | 10 |
| Chloroethane | ND | | ug/l | 25 | 7.0 | 10 |
| 1,1-Dichloroethene | ND | | ug/l | 5.0 | 1.7 | 10 |
| trans-1,2-Dichloroethene | ND | | ug/l | 25 | 7.0 | 10 |
| Trichloroethene | 5.2 | | ug/l | 5.0 | 1.8 | 10 |
| 1,2-Dichlorobenzene | ND | | ug/l | 25 | 7.0 | 10 |

**Project Name:** 275 FRANKLIN STREET SITE **Lab Number:** L2263386

**Project Number:** B0156-022-001-001-00 **Report Date:** 11/28/22

## SAMPLE RESULTS

Lab ID: L2263386-05 D Date Collected: 11/10/22 14:21
Client ID: PZ-11 Date Received: 11/10/22
Sample Location: BUFFALO, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by GC/MS - Westborough Lab** | | | | | | |
| 1,3-Dichlorobenzene | ND | | ug/l | 25 | 7.0 | 10 |
| 1,4-Dichlorobenzene | ND | | ug/l | 25 | 7.0 | 10 |
| Methyl tert butyl ether | ND | | ug/l | 25 | 7.0 | 10 |
| p/m-Xylene | ND | | ug/l | 25 | 7.0 | 10 |
| o-Xylene | ND | | ug/l | 25 | 7.0 | 10 |
| cis-1,2-Dichloroethene | 7.5 | J | ug/l | 25 | 7.0 | 10 |
| Styrene | ND | | ug/l | 25 | 7.0 | 10 |
| Dichlorodifluoromethane | ND | | ug/l | 50 | 10. | 10 |
| Acetone | ND | | ug/l | 50 | 15. | 10 |
| Carbon disulfide | ND | | ug/l | 50 | 10. | 10 |
| 2-Butanone | ND | | ug/l | 50 | 19. | 10 |
| 4-Methyl-2-pentanone | ND | | ug/l | 50 | 10. | 10 |
| 2-Hexanone | ND | | ug/l | 50 | 10. | 10 |
| Bromochloromethane | ND | | ug/l | 25 | 7.0 | 10 |
| 1,2-Dibromoethane | ND | | ug/l | 20 | 6.5 | 10 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/l | 25 | 7.0 | 10 |
| Isopropylbenzene | ND | | ug/l | 25 | 7.0 | 10 |
| 1,2,3-Trichlorobenzene | ND | | ug/l | 25 | 7.0 | 10 |
| 1,2,4-Trichlorobenzene | ND | | ug/l | 25 | 7.0 | 10 |
| Methyl Acetate | ND | | ug/l | 20 | 2.3 | 10 |
| Cyclohexane | ND | | ug/l | 100 | 2.7 | 10 |
| 1,4-Dioxane | ND | | ug/l | 2500 | 610 | 10 |
| Freon-113 | ND | | ug/l | 25 | 7.0 | 10 |
| Methyl cyclohexane | ND | | ug/l | 100 | 4.0 | 10 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 100 | | 70-130 |
| Toluene-d8 | 93 | | 70-130 |
| 4-Bromofluorobenzene | 109 | | 70-130 |
| Dibromofluoromethane | 106 | | 70-130 |

**Project Name:** 275 FRANKLIN STREET SITE **Lab Number:** L2263386

**Project Number:** B0156-022-001-001-00 **Report Date:** 11/28/22

## SAMPLE RESULTS

Lab ID: L2263386-06 D
Client ID: PZ-12
Sample Location: BUFFALO, NY

Date Collected: 11/10/22 14:00
Date Received: 11/10/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 11/20/22 14:12
Analyst: PID

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Methylene chloride | ND | | ug/l | 12 | 3.5 | 5 |
| 1,1-Dichloroethane | ND | | ug/l | 12 | 3.5 | 5 |
| Chloroform | ND | | ug/l | 12 | 3.5 | 5 |
| Carbon tetrachloride | ND | | ug/l | 2.5 | 0.67 | 5 |
| 1,2-Dichloropropane | ND | | ug/l | 5.0 | 0.68 | 5 |
| Dibromochloromethane | ND | | ug/l | 2.5 | 0.74 | 5 |
| 1,1,2-Trichloroethane | ND | | ug/l | 7.5 | 2.5 | 5 |
| Tetrachloroethene | 680 | | ug/l | 2.5 | 0.90 | 5 |
| Chlorobenzene | ND | | ug/l | 12 | 3.5 | 5 |
| Trichlorofluoromethane | ND | | ug/l | 12 | 3.5 | 5 |
| 1,2-Dichloroethane | ND | | ug/l | 2.5 | 0.66 | 5 |
| 1,1,1-Trichloroethane | ND | | ug/l | 12 | 3.5 | 5 |
| Bromodichloromethane | ND | | ug/l | 2.5 | 0.96 | 5 |
| trans-1,3-Dichloropropene | ND | | ug/l | 2.5 | 0.82 | 5 |
| cis-1,3-Dichloropropene | ND | | ug/l | 2.5 | 0.72 | 5 |
| Bromoform | ND | | ug/l | 10 | 3.2 | 5 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/l | 2.5 | 0.84 | 5 |
| Benzene | ND | | ug/l | 2.5 | 0.80 | 5 |
| Toluene | ND | | ug/l | 12 | 3.5 | 5 |
| Ethylbenzene | ND | | ug/l | 12 | 3.5 | 5 |
| Chloromethane | ND | | ug/l | 12 | 3.5 | 5 |
| Bromomethane | ND | | ug/l | 12 | 3.5 | 5 |
| Vinyl chloride | ND | | ug/l | 5.0 | 0.36 | 5 |
| Chloroethane | ND | | ug/l | 12 | 3.5 | 5 |
| 1,1-Dichloroethene | ND | | ug/l | 2.5 | 0.84 | 5 |
| trans-1,2-Dichloroethene | ND | | ug/l | 12 | 3.5 | 5 |
| Trichloroethene | 2.2 | J | ug/l | 2.5 | 0.88 | 5 |
| 1,2-Dichlorobenzene | ND | | ug/l | 12 | 3.5 | 5 |

**Project Name:** 275 FRANKLIN STREET SITE **Lab Number:** L2263386

**Project Number:** B0156-022-001-001-00 **Report Date:** 11/28/22

## SAMPLE RESULTS

Lab ID: L2263386-06 D
Client ID: PZ-12
Sample Location: BUFFALO, NY

Date Collected: 11/10/22 14:00
Date Received: 11/10/22
Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by GC/MS - Westborough Lab** | | | | | | |
| 1,3-Dichlorobenzene | ND | | ug/l | 12 | 3.5 | 5 |
| 1,4-Dichlorobenzene | ND | | ug/l | 12 | 3.5 | 5 |
| Methyl tert butyl ether | ND | | ug/l | 12 | 3.5 | 5 |
| p/m-Xylene | ND | | ug/l | 12 | 3.5 | 5 |
| o-Xylene | ND | | ug/l | 12 | 3.5 | 5 |
| cis-1,2-Dichloroethene | ND | | ug/l | 12 | 3.5 | 5 |
| Styrene | ND | | ug/l | 12 | 3.5 | 5 |
| Dichlorodifluoromethane | ND | | ug/l | 25 | 5.0 | 5 |
| Acetone | ND | | ug/l | 25 | 7.3 | 5 |
| Carbon disulfide | ND | | ug/l | 25 | 5.0 | 5 |
| 2-Butanone | ND | | ug/l | 25 | 9.7 | 5 |
| 4-Methyl-2-pentanone | ND | | ug/l | 25 | 5.0 | 5 |
| 2-Hexanone | ND | | ug/l | 25 | 5.0 | 5 |
| Bromochloromethane | ND | | ug/l | 12 | 3.5 | 5 |
| 1,2-Dibromoethane | ND | | ug/l | 10 | 3.2 | 5 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/l | 12 | 3.5 | 5 |
| Isopropylbenzene | ND | | ug/l | 12 | 3.5 | 5 |
| 1,2,3-Trichlorobenzene | ND | | ug/l | 12 | 3.5 | 5 |
| 1,2,4-Trichlorobenzene | ND | | ug/l | 12 | 3.5 | 5 |
| Methyl Acetate | ND | | ug/l | 10 | 1.2 | 5 |
| Cyclohexane | ND | | ug/l | 50 | 1.4 | 5 |
| 1,4-Dioxane | ND | | ug/l | 1200 | 300 | 5 |
| Freon-113 | ND | | ug/l | 12 | 3.5 | 5 |
| Methyl cyclohexane | ND | | ug/l | 50 | 2.0 | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 98 | | 70-130 |
| Toluene-d8 | 93 | | 70-130 |
| 4-Bromofluorobenzene | 113 | | 70-130 |
| Dibromofluoromethane | 104 | | 70-130 |

**Project Name:** 275 FRANKLIN STREET SITE
**Project Number:** B0156-022-001-001-00
**Lab Number:** L2263386
**Report Date:** 11/28/22

## SAMPLE RESULTS

Lab ID: L2263386-07
Client ID: PZ-13
Sample Location: BUFFALO, NY

Date Collected: 11/10/22 11:21
Date Received: 11/10/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 11/20/22 14:31
Analyst: PID

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Methylene chloride | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,1-Dichloroethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Chloroform | ND | | ug/l | 2.5 | 0.70 | 1 |
| Carbon tetrachloride | ND | | ug/l | 0.50 | 0.13 | 1 |
| 1,2-Dichloropropane | ND | | ug/l | 1.0 | 0.14 | 1 |
| Dibromochloromethane | ND | | ug/l | 0.50 | 0.15 | 1 |
| 1,1,2-Trichloroethane | ND | | ug/l | 1.5 | 0.50 | 1 |
| Tetrachloroethene | 72 | | ug/l | 0.50 | 0.18 | 1 |
| Chlorobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Trichlorofluoromethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,2-Dichloroethane | ND | | ug/l | 0.50 | 0.13 | 1 |
| 1,1,1-Trichloroethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Bromodichloromethane | ND | | ug/l | 0.50 | 0.19 | 1 |
| trans-1,3-Dichloropropene | ND | | ug/l | 0.50 | 0.16 | 1 |
| cis-1,3-Dichloropropene | ND | | ug/l | 0.50 | 0.14 | 1 |
| Bromoform | ND | | ug/l | 2.0 | 0.65 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/l | 0.50 | 0.17 | 1 |
| Benzene | ND | | ug/l | 0.50 | 0.16 | 1 |
| Toluene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Ethylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Chloromethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Bromomethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Vinyl chloride | 18 | | ug/l | 1.0 | 0.07 | 1 |
| Chloroethane | 0.78 | J | ug/l | 2.5 | 0.70 | 1 |
| 1,1-Dichloroethene | ND | | ug/l | 0.50 | 0.17 | 1 |
| trans-1,2-Dichloroethene | 15 | | ug/l | 2.5 | 0.70 | 1 |
| Trichloroethene | 17 | | ug/l | 0.50 | 0.18 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |

**Project Name:** 275 FRANKLIN STREET SITE **Lab Number:** L2263386

**Project Number:** B0156-022-001-001-00 **Report Date:** 11/28/22

## SAMPLE RESULTS

Lab ID: L2263386-07 Date Collected: 11/10/22 11:21

Client ID: PZ-13 Date Received: 11/10/22

Sample Location: BUFFALO, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by GC/MS - Westborough Lab** | | | | | | |
| 1,3-Dichlorobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Methyl tert butyl ether | ND | | ug/l | 2.5 | 0.70 | 1 |
| p/m-Xylene | ND | | ug/l | 2.5 | 0.70 | 1 |
| o-Xylene | ND | | ug/l | 2.5 | 0.70 | 1 |
| cis-1,2-Dichloroethene | 47 | | ug/l | 2.5 | 0.70 | 1 |
| Styrene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Dichlorodifluoromethane | ND | | ug/l | 5.0 | 1.0 | 1 |
| Acetone | ND | | ug/l | 5.0 | 1.5 | 1 |
| Carbon disulfide | ND | | ug/l | 5.0 | 1.0 | 1 |
| 2-Butanone | ND | | ug/l | 5.0 | 1.9 | 1 |
| 4-Methyl-2-pentanone | ND | | ug/l | 5.0 | 1.0 | 1 |
| 2-Hexanone | ND | | ug/l | 5.0 | 1.0 | 1 |
| Bromochloromethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,2-Dibromoethane | ND | | ug/l | 2.0 | 0.65 | 1 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Isopropylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,2,3-Trichlorobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Methyl Acetate | ND | | ug/l | 2.0 | 0.23 | 1 |
| Cyclohexane | ND | | ug/l | 10 | 0.27 | 1 |
| 1,4-Dioxane | ND | | ug/l | 250 | 61. | 1 |
| Freon-113 | ND | | ug/l | 2.5 | 0.70 | 1 |
| Methyl cyclohexane | ND | | ug/l | 10 | 0.40 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 100 | | 70-130 |
| Toluene-d8 | 94 | | 70-130 |
| 4-Bromofluorobenzene | 112 | | 70-130 |
| Dibromofluoromethane | 104 | | 70-130 |

**Project Name:** 275 FRANKLIN STREET SITE **Lab Number:** L2263386

**Project Number:** B0156-022-001-001-00 **Report Date:** 11/28/22

## SAMPLE RESULTS

Lab ID: L2263386-08 D
Client ID: PZ-14
Sample Location: BUFFALO, NY

Date Collected: 11/10/22 11:54
Date Received: 11/10/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 11/20/22 14:50
Analyst: PID

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Methylene chloride | ND | | ug/l | 10 | 2.8 | 4 |
| 1,1-Dichloroethane | ND | | ug/l | 10 | 2.8 | 4 |
| Chloroform | ND | | ug/l | 10 | 2.8 | 4 |
| Carbon tetrachloride | ND | | ug/l | 2.0 | 0.54 | 4 |
| 1,2-Dichloropropane | ND | | ug/l | 4.0 | 0.55 | 4 |
| Dibromochloromethane | ND | | ug/l | 2.0 | 0.60 | 4 |
| 1,1,2-Trichloroethane | ND | | ug/l | 6.0 | 2.0 | 4 |
| Tetrachloroethene | 470 | | ug/l | 2.0 | 0.72 | 4 |
| Chlorobenzene | ND | | ug/l | 10 | 2.8 | 4 |
| Trichlorofluoromethane | ND | | ug/l | 10 | 2.8 | 4 |
| 1,2-Dichloroethane | ND | | ug/l | 2.0 | 0.53 | 4 |
| 1,1,1-Trichloroethane | ND | | ug/l | 10 | 2.8 | 4 |
| Bromodichloromethane | ND | | ug/l | 2.0 | 0.77 | 4 |
| trans-1,3-Dichloropropene | ND | | ug/l | 2.0 | 0.66 | 4 |
| cis-1,3-Dichloropropene | ND | | ug/l | 2.0 | 0.58 | 4 |
| Bromoform | ND | | ug/l | 8.0 | 2.6 | 4 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/l | 2.0 | 0.67 | 4 |
| Benzene | ND | | ug/l | 2.0 | 0.64 | 4 |
| Toluene | ND | | ug/l | 10 | 2.8 | 4 |
| Ethylbenzene | ND | | ug/l | 10 | 2.8 | 4 |
| Chloromethane | ND | | ug/l | 10 | 2.8 | 4 |
| Bromomethane | ND | | ug/l | 10 | 2.8 | 4 |
| Vinyl chloride | 9.6 | | ug/l | 4.0 | 0.28 | 4 |
| Chloroethane | ND | | ug/l | 10 | 2.8 | 4 |
| 1,1-Dichloroethene | ND | | ug/l | 2.0 | 0.68 | 4 |
| trans-1,2-Dichloroethene | 3.1 | J | ug/l | 10 | 2.8 | 4 |
| Trichloroethene | 35 | | ug/l | 2.0 | 0.70 | 4 |
| 1,2-Dichlorobenzene | ND | | ug/l | 10 | 2.8 | 4 |

**Project Name:** 275 FRANKLIN STREET SITE **Lab Number:** L2263386

**Project Number:** B0156-022-001-001-00 **Report Date:** 11/28/22

## SAMPLE RESULTS

Lab ID: L2263386-08 D Date Collected: 11/10/22 11:54
Client ID: PZ-14 Date Received: 11/10/22
Sample Location: BUFFALO, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by GC/MS - Westborough Lab** | | | | | | |
| 1,3-Dichlorobenzene | ND | | ug/l | 10 | 2.8 | 4 |
| 1,4-Dichlorobenzene | ND | | ug/l | 10 | 2.8 | 4 |
| Methyl tert butyl ether | ND | | ug/l | 10 | 2.8 | 4 |
| p/m-Xylene | ND | | ug/l | 10 | 2.8 | 4 |
| o-Xylene | ND | | ug/l | 10 | 2.8 | 4 |
| cis-1,2-Dichloroethene | 320 | | ug/l | 10 | 2.8 | 4 |
| Styrene | ND | | ug/l | 10 | 2.8 | 4 |
| Dichlorodifluoromethane | ND | | ug/l | 20 | 4.0 | 4 |
| Acetone | ND | | ug/l | 20 | 5.8 | 4 |
| Carbon disulfide | ND | | ug/l | 20 | 4.0 | 4 |
| 2-Butanone | ND | | ug/l | 20 | 7.8 | 4 |
| 4-Methyl-2-pentanone | ND | | ug/l | 20 | 4.0 | 4 |
| 2-Hexanone | ND | | ug/l | 20 | 4.0 | 4 |
| Bromochloromethane | ND | | ug/l | 10 | 2.8 | 4 |
| 1,2-Dibromoethane | ND | | ug/l | 8.0 | 2.6 | 4 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/l | 10 | 2.8 | 4 |
| Isopropylbenzene | ND | | ug/l | 10 | 2.8 | 4 |
| 1,2,3-Trichlorobenzene | ND | | ug/l | 10 | 2.8 | 4 |
| 1,2,4-Trichlorobenzene | ND | | ug/l | 10 | 2.8 | 4 |
| Methyl Acetate | ND | | ug/l | 8.0 | 0.94 | 4 |
| Cyclohexane | ND | | ug/l | 40 | 1.1 | 4 |
| 1,4-Dioxane | ND | | ug/l | 1000 | 240 | 4 |
| Freon-113 | ND | | ug/l | 10 | 2.8 | 4 |
| Methyl cyclohexane | ND | | ug/l | 40 | 1.6 | 4 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 93 | | 70-130 |
| Toluene-d8 | 94 | | 70-130 |
| 4-Bromofluorobenzene | 111 | | 70-130 |
| Dibromofluoromethane | 101 | | 70-130 |

**Project Name:** 275 FRANKLIN STREET SITE **Lab Number:** L2263386

**Project Number:** B0156-022-001-001-00 **Report Date:** 11/28/22

## SAMPLE RESULTS

Lab ID: L2263386-09 D
Client ID: MW-24D
Sample Location: BUFFALO, NY

Date Collected: 11/10/22 13:12
Date Received: 11/10/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 11/20/22 15:10
Analyst: PID

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Methylene chloride | ND | | ug/l | 5.0 | 1.4 | 2 |
| 1,1-Dichloroethane | ND | | ug/l | 5.0 | 1.4 | 2 |
| Chloroform | ND | | ug/l | 5.0 | 1.4 | 2 |
| Carbon tetrachloride | ND | | ug/l | 1.0 | 0.27 | 2 |
| 1,2-Dichloropropane | ND | | ug/l | 2.0 | 0.27 | 2 |
| Dibromochloromethane | ND | | ug/l | 1.0 | 0.30 | 2 |
| 1,1,2-Trichloroethane | ND | | ug/l | 3.0 | 1.0 | 2 |
| Tetrachloroethene | 34 | | ug/l | 1.0 | 0.36 | 2 |
| Chlorobenzene | ND | | ug/l | 5.0 | 1.4 | 2 |
| Trichlorofluoromethane | ND | | ug/l | 5.0 | 1.4 | 2 |
| 1,2-Dichloroethane | ND | | ug/l | 1.0 | 0.26 | 2 |
| 1,1,1-Trichloroethane | ND | | ug/l | 5.0 | 1.4 | 2 |
| Bromodichloromethane | ND | | ug/l | 1.0 | 0.38 | 2 |
| trans-1,3-Dichloropropene | ND | | ug/l | 1.0 | 0.33 | 2 |
| cis-1,3-Dichloropropene | ND | | ug/l | 1.0 | 0.29 | 2 |
| Bromoform | ND | | ug/l | 4.0 | 1.3 | 2 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/l | 1.0 | 0.33 | 2 |
| Benzene | ND | | ug/l | 1.0 | 0.32 | 2 |
| Toluene | ND | | ug/l | 5.0 | 1.4 | 2 |
| Ethylbenzene | ND | | ug/l | 5.0 | 1.4 | 2 |
| Chloromethane | ND | | ug/l | 5.0 | 1.4 | 2 |
| Bromomethane | ND | | ug/l | 5.0 | 1.4 | 2 |
| Vinyl chloride | 0.94 | J | ug/l | 2.0 | 0.14 | 2 |
| Chloroethane | ND | | ug/l | 5.0 | 1.4 | 2 |
| 1,1-Dichloroethene | 0.43 | J | ug/l | 1.0 | 0.34 | 2 |
| trans-1,2-Dichloroethene | 1.4 | J | ug/l | 5.0 | 1.4 | 2 |
| Trichloroethene | 14 | | ug/l | 1.0 | 0.35 | 2 |
| 1,2-Dichlorobenzene | ND | | ug/l | 5.0 | 1.4 | 2 |

**Project Name:** 275 FRANKLIN STREET SITE **Lab Number:** L2263386

**Project Number:** B0156-022-001-001-00 **Report Date:** 11/28/22

## SAMPLE RESULTS

Lab ID: L2263386-09 D Date Collected: 11/10/22 13:12
Client ID: MW-24D Date Received: 11/10/22
Sample Location: BUFFALO, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by GC/MS - Westborough Lab** | | | | | | |
| 1,3-Dichlorobenzene | ND | | ug/l | 5.0 | 1.4 | 2 |
| 1,4-Dichlorobenzene | ND | | ug/l | 5.0 | 1.4 | 2 |
| Methyl tert butyl ether | ND | | ug/l | 5.0 | 1.4 | 2 |
| p/m-Xylene | ND | | ug/l | 5.0 | 1.4 | 2 |
| o-Xylene | ND | | ug/l | 5.0 | 1.4 | 2 |
| cis-1,2-Dichloroethene | 230 | | ug/l | 5.0 | 1.4 | 2 |
| Styrene | ND | | ug/l | 5.0 | 1.4 | 2 |
| Dichlorodifluoromethane | ND | | ug/l | 10 | 2.0 | 2 |
| Acetone | ND | | ug/l | 10 | 2.9 | 2 |
| Carbon disulfide | ND | | ug/l | 10 | 2.0 | 2 |
| 2-Butanone | ND | | ug/l | 10 | 3.9 | 2 |
| 4-Methyl-2-pentanone | ND | | ug/l | 10 | 2.0 | 2 |
| 2-Hexanone | ND | | ug/l | 10 | 2.0 | 2 |
| Bromochloromethane | ND | | ug/l | 5.0 | 1.4 | 2 |
| 1,2-Dibromoethane | ND | | ug/l | 4.0 | 1.3 | 2 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/l | 5.0 | 1.4 | 2 |
| Isopropylbenzene | ND | | ug/l | 5.0 | 1.4 | 2 |
| 1,2,3-Trichlorobenzene | ND | | ug/l | 5.0 | 1.4 | 2 |
| 1,2,4-Trichlorobenzene | ND | | ug/l | 5.0 | 1.4 | 2 |
| Methyl Acetate | ND | | ug/l | 4.0 | 0.47 | 2 |
| Cyclohexane | ND | | ug/l | 20 | 0.54 | 2 |
| 1,4-Dioxane | ND | | ug/l | 500 | 120 | 2 |
| Freon-113 | ND | | ug/l | 5.0 | 1.4 | 2 |
| Methyl cyclohexane | ND | | ug/l | 20 | 0.79 | 2 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 103 | | 70-130 |
| Toluene-d8 | 93 | | 70-130 |
| 4-Bromofluorobenzene | 109 | | 70-130 |
| Dibromofluoromethane | 113 | | 70-130 |

**Project Name:** 275 FRANKLIN STREET SITE **Lab Number:** L2263386

**Project Number:** B0156-022-001-001-00 **Report Date:** 11/28/22

## SAMPLE RESULTS

Lab ID: L2263386-10 D
Client ID: MW-24S
Sample Location: BUFFALO, NY

Date Collected: 11/10/22 13:30
Date Received: 11/10/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 11/20/22 15:29
Analyst: PID

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Methylene chloride | ND | | ug/l | 100 | 28. | 40 |
| 1,1-Dichloroethane | ND | | ug/l | 100 | 28. | 40 |
| Chloroform | ND | | ug/l | 100 | 28. | 40 |
| Carbon tetrachloride | ND | | ug/l | 20 | 5.4 | 40 |
| 1,2-Dichloropropane | ND | | ug/l | 40 | 5.5 | 40 |
| Dibromochloromethane | ND | | ug/l | 20 | 6.0 | 40 |
| 1,1,2-Trichloroethane | ND | | ug/l | 60 | 20. | 40 |
| Tetrachloroethene | 4200 | | ug/l | 20 | 7.2 | 40 |
| Chlorobenzene | ND | | ug/l | 100 | 28. | 40 |
| Trichlorofluoromethane | ND | | ug/l | 100 | 28. | 40 |
| 1,2-Dichloroethane | ND | | ug/l | 20 | 5.3 | 40 |
| 1,1,1-Trichloroethane | ND | | ug/l | 100 | 28. | 40 |
| Bromodichloromethane | ND | | ug/l | 20 | 7.7 | 40 |
| trans-1,3-Dichloropropene | ND | | ug/l | 20 | 6.6 | 40 |
| cis-1,3-Dichloropropene | ND | | ug/l | 20 | 5.8 | 40 |
| Bromoform | ND | | ug/l | 80 | 26. | 40 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/l | 20 | 6.7 | 40 |
| Benzene | ND | | ug/l | 20 | 6.4 | 40 |
| Toluene | ND | | ug/l | 100 | 28. | 40 |
| Ethylbenzene | ND | | ug/l | 100 | 28. | 40 |
| Chloromethane | ND | | ug/l | 100 | 28. | 40 |
| Bromomethane | ND | | ug/l | 100 | 28. | 40 |
| Vinyl chloride | ND | | ug/l | 40 | 2.8 | 40 |
| Chloroethane | ND | | ug/l | 100 | 28. | 40 |
| 1,1-Dichloroethene | ND | | ug/l | 20 | 6.8 | 40 |
| trans-1,2-Dichloroethene | ND | | ug/l | 100 | 28. | 40 |
| Trichloroethene | ND | | ug/l | 20 | 7.0 | 40 |
| 1,2-Dichlorobenzene | ND | | ug/l | 100 | 28. | 40 |

**Project Name:** 275 FRANKLIN STREET SITE **Lab Number:** L2263386

**Project Number:** B0156-022-001-001-00 **Report Date:** 11/28/22

## SAMPLE RESULTS

Lab ID: L2263386-10 D Date Collected: 11/10/22 13:30
Client ID: MW-24S Date Received: 11/10/22
Sample Location: BUFFALO, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by GC/MS - Westborough Lab** | | | | | | |
| 1,3-Dichlorobenzene | ND | | ug/l | 100 | 28. | 40 |
| 1,4-Dichlorobenzene | ND | | ug/l | 100 | 28. | 40 |
| Methyl tert butyl ether | ND | | ug/l | 100 | 28. | 40 |
| p/m-Xylene | ND | | ug/l | 100 | 28. | 40 |
| o-Xylene | ND | | ug/l | 100 | 28. | 40 |
| cis-1,2-Dichloroethene | 45 | J | ug/l | 100 | 28. | 40 |
| Styrene | ND | | ug/l | 100 | 28. | 40 |
| Dichlorodifluoromethane | ND | | ug/l | 200 | 40. | 40 |
| Acetone | ND | | ug/l | 200 | 58. | 40 |
| Carbon disulfide | ND | | ug/l | 200 | 40. | 40 |
| 2-Butanone | ND | | ug/l | 200 | 78. | 40 |
| 4-Methyl-2-pentanone | ND | | ug/l | 200 | 40. | 40 |
| 2-Hexanone | ND | | ug/l | 200 | 40. | 40 |
| Bromochloromethane | ND | | ug/l | 100 | 28. | 40 |
| 1,2-Dibromoethane | ND | | ug/l | 80 | 26. | 40 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/l | 100 | 28. | 40 |
| Isopropylbenzene | ND | | ug/l | 100 | 28. | 40 |
| 1,2,3-Trichlorobenzene | ND | | ug/l | 100 | 28. | 40 |
| 1,2,4-Trichlorobenzene | ND | | ug/l | 100 | 28. | 40 |
| Methyl Acetate | ND | | ug/l | 80 | 9.4 | 40 |
| Cyclohexane | ND | | ug/l | 400 | 11. | 40 |
| 1,4-Dioxane | ND | | ug/l | 10000 | 2400 | 40 |
| Freon-113 | ND | | ug/l | 100 | 28. | 40 |
| Methyl cyclohexane | ND | | ug/l | 400 | 16. | 40 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 100 | | 70-130 |
| Toluene-d8 | 92 | | 70-130 |
| 4-Bromofluorobenzene | 110 | | 70-130 |
| Dibromofluoromethane | 106 | | 70-130 |

**Project Name:** 275 FRANKLIN STREET SITE **Lab Number:** L2263386

**Project Number:** B0156-022-001-001-00 **Report Date:** 11/28/22

## SAMPLE RESULTS

Lab ID: L2263386-11 D
Client ID: MW-23S
Sample Location: BUFFALO, NY

Date Collected: 11/10/22 12:33
Date Received: 11/10/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 11/20/22 15:48
Analyst: PID

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Methylene chloride | ND | | ug/l | 12 | 3.5 | 5 |
| 1,1-Dichloroethane | ND | | ug/l | 12 | 3.5 | 5 |
| Chloroform | ND | | ug/l | 12 | 3.5 | 5 |
| Carbon tetrachloride | ND | | ug/l | 2.5 | 0.67 | 5 |
| 1,2-Dichloropropane | ND | | ug/l | 5.0 | 0.68 | 5 |
| Dibromochloromethane | ND | | ug/l | 2.5 | 0.74 | 5 |
| 1,1,2-Trichloroethane | ND | | ug/l | 7.5 | 2.5 | 5 |
| Tetrachloroethene | 870 | | ug/l | 2.5 | 0.90 | 5 |
| Chlorobenzene | ND | | ug/l | 12 | 3.5 | 5 |
| Trichlorofluoromethane | ND | | ug/l | 12 | 3.5 | 5 |
| 1,2-Dichloroethane | ND | | ug/l | 2.5 | 0.66 | 5 |
| 1,1,1-Trichloroethane | ND | | ug/l | 12 | 3.5 | 5 |
| Bromodichloromethane | ND | | ug/l | 2.5 | 0.96 | 5 |
| trans-1,3-Dichloropropene | ND | | ug/l | 2.5 | 0.82 | 5 |
| cis-1,3-Dichloropropene | ND | | ug/l | 2.5 | 0.72 | 5 |
| Bromoform | ND | | ug/l | 10 | 3.2 | 5 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/l | 2.5 | 0.84 | 5 |
| Benzene | ND | | ug/l | 2.5 | 0.80 | 5 |
| Toluene | ND | | ug/l | 12 | 3.5 | 5 |
| Ethylbenzene | ND | | ug/l | 12 | 3.5 | 5 |
| Chloromethane | ND | | ug/l | 12 | 3.5 | 5 |
| Bromomethane | ND | | ug/l | 12 | 3.5 | 5 |
| Vinyl chloride | ND | | ug/l | 5.0 | 0.36 | 5 |
| Chloroethane | ND | | ug/l | 12 | 3.5 | 5 |
| 1,1-Dichloroethene | ND | | ug/l | 2.5 | 0.84 | 5 |
| trans-1,2-Dichloroethene | ND | | ug/l | 12 | 3.5 | 5 |
| Trichloroethene | 2.8 | | ug/l | 2.5 | 0.88 | 5 |
| 1,2-Dichlorobenzene | ND | | ug/l | 12 | 3.5 | 5 |

**Project Name:** 275 FRANKLIN STREET SITE **Lab Number:** L2263386

**Project Number:** B0156-022-001-001-00 **Report Date:** 11/28/22

## SAMPLE RESULTS

Lab ID: L2263386-11 D Date Collected: 11/10/22 12:33
Client ID: MW-23S Date Received: 11/10/22
Sample Location: BUFFALO, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by GC/MS - Westborough Lab** | | | | | | |
| 1,3-Dichlorobenzene | ND | | ug/l | 12 | 3.5 | 5 |
| 1,4-Dichlorobenzene | ND | | ug/l | 12 | 3.5 | 5 |
| Methyl tert butyl ether | ND | | ug/l | 12 | 3.5 | 5 |
| p/m-Xylene | ND | | ug/l | 12 | 3.5 | 5 |
| o-Xylene | ND | | ug/l | 12 | 3.5 | 5 |
| cis-1,2-Dichloroethene | 4.0 | J | ug/l | 12 | 3.5 | 5 |
| Styrene | ND | | ug/l | 12 | 3.5 | 5 |
| Dichlorodifluoromethane | ND | | ug/l | 25 | 5.0 | 5 |
| Acetone | ND | | ug/l | 25 | 7.3 | 5 |
| Carbon disulfide | ND | | ug/l | 25 | 5.0 | 5 |
| 2-Butanone | ND | | ug/l | 25 | 9.7 | 5 |
| 4-Methyl-2-pentanone | ND | | ug/l | 25 | 5.0 | 5 |
| 2-Hexanone | ND | | ug/l | 25 | 5.0 | 5 |
| Bromochloromethane | ND | | ug/l | 12 | 3.5 | 5 |
| 1,2-Dibromoethane | ND | | ug/l | 10 | 3.2 | 5 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/l | 12 | 3.5 | 5 |
| Isopropylbenzene | ND | | ug/l | 12 | 3.5 | 5 |
| 1,2,3-Trichlorobenzene | ND | | ug/l | 12 | 3.5 | 5 |
| 1,2,4-Trichlorobenzene | ND | | ug/l | 12 | 3.5 | 5 |
| Methyl Acetate | ND | | ug/l | 10 | 1.2 | 5 |
| Cyclohexane | ND | | ug/l | 50 | 1.4 | 5 |
| 1,4-Dioxane | ND | | ug/l | 1200 | 300 | 5 |
| Freon-113 | ND | | ug/l | 12 | 3.5 | 5 |
| Methyl cyclohexane | ND | | ug/l | 50 | 2.0 | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 96 | | 70-130 |
| Toluene-d8 | 92 | | 70-130 |
| 4-Bromofluorobenzene | 113 | | 70-130 |
| Dibromofluoromethane | 104 | | 70-130 |

**Project Name:** 275 FRANKLIN STREET SITE **Lab Number:** L2263386

**Project Number:** B0156-022-001-001-00 **Report Date:** 11/28/22

## SAMPLE RESULTS

Lab ID: L2263386-12 D
Client ID: BLIND DUP
Sample Location: BUFFALO, NY

Date Collected: 11/10/22 00:00
Date Received: 11/10/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 11/20/22 16:08
Analyst: PID

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Methylene chloride | ND | | ug/l | 50 | 14. | 20 |
| 1,1-Dichloroethane | ND | | ug/l | 50 | 14. | 20 |
| Chloroform | ND | | ug/l | 50 | 14. | 20 |
| Carbon tetrachloride | ND | | ug/l | 10 | 2.7 | 20 |
| 1,2-Dichloropropane | ND | | ug/l | 20 | 2.7 | 20 |
| Dibromochloromethane | ND | | ug/l | 10 | 3.0 | 20 |
| 1,1,2-Trichloroethane | ND | | ug/l | 30 | 10. | 20 |
| Tetrachloroethene | 2000 | | ug/l | 10 | 3.6 | 20 |
| Chlorobenzene | ND | | ug/l | 50 | 14. | 20 |
| Trichlorofluoromethane | ND | | ug/l | 50 | 14. | 20 |
| 1,2-Dichloroethane | ND | | ug/l | 10 | 2.6 | 20 |
| 1,1,1-Trichloroethane | ND | | ug/l | 50 | 14. | 20 |
| Bromodichloromethane | ND | | ug/l | 10 | 3.8 | 20 |
| trans-1,3-Dichloropropene | ND | | ug/l | 10 | 3.3 | 20 |
| cis-1,3-Dichloropropene | ND | | ug/l | 10 | 2.9 | 20 |
| Bromoform | ND | | ug/l | 40 | 13. | 20 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/l | 10 | 3.3 | 20 |
| Benzene | ND | | ug/l | 10 | 3.2 | 20 |
| Toluene | ND | | ug/l | 50 | 14. | 20 |
| Ethylbenzene | ND | | ug/l | 50 | 14. | 20 |
| Chloromethane | ND | | ug/l | 50 | 14. | 20 |
| Bromomethane | ND | | ug/l | 50 | 14. | 20 |
| Vinyl chloride | ND | | ug/l | 20 | 1.4 | 20 |
| Chloroethane | ND | | ug/l | 50 | 14. | 20 |
| 1,1-Dichloroethene | ND | | ug/l | 10 | 3.4 | 20 |
| trans-1,2-Dichloroethene | ND | | ug/l | 50 | 14. | 20 |
| Trichloroethene | 35 | | ug/l | 10 | 3.5 | 20 |
| 1,2-Dichlorobenzene | ND | | ug/l | 50 | 14. | 20 |

**Project Name:** 275 FRANKLIN STREET SITE **Lab Number:** L2263386

**Project Number:** B0156-022-001-001-00 **Report Date:** 11/28/22

## SAMPLE RESULTS

Lab ID: L2263386-12 D Date Collected: 11/10/22 00:00
Client ID: BLIND DUP Date Received: 11/10/22
Sample Location: BUFFALO, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by GC/MS - Westborough Lab** | | | | | | |
| 1,3-Dichlorobenzene | ND | | ug/l | 50 | 14. | 20 |
| 1,4-Dichlorobenzene | ND | | ug/l | 50 | 14. | 20 |
| Methyl tert butyl ether | ND | | ug/l | 50 | 14. | 20 |
| p/m-Xylene | ND | | ug/l | 50 | 14. | 20 |
| o-Xylene | ND | | ug/l | 50 | 14. | 20 |
| cis-1,2-Dichloroethene | 36 | J | ug/l | 50 | 14. | 20 |
| Styrene | ND | | ug/l | 50 | 14. | 20 |
| Dichlorodifluoromethane | ND | | ug/l | 100 | 20. | 20 |
| Acetone | ND | | ug/l | 100 | 29. | 20 |
| Carbon disulfide | ND | | ug/l | 100 | 20. | 20 |
| 2-Butanone | ND | | ug/l | 100 | 39. | 20 |
| 4-Methyl-2-pentanone | ND | | ug/l | 100 | 20. | 20 |
| 2-Hexanone | ND | | ug/l | 100 | 20. | 20 |
| Bromochloromethane | ND | | ug/l | 50 | 14. | 20 |
| 1,2-Dibromoethane | ND | | ug/l | 40 | 13. | 20 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/l | 50 | 14. | 20 |
| Isopropylbenzene | ND | | ug/l | 50 | 14. | 20 |
| 1,2,3-Trichlorobenzene | ND | | ug/l | 50 | 14. | 20 |
| 1,2,4-Trichlorobenzene | ND | | ug/l | 50 | 14. | 20 |
| Methyl Acetate | ND | | ug/l | 40 | 4.7 | 20 |
| Cyclohexane | ND | | ug/l | 200 | 5.4 | 20 |
| 1,4-Dioxane | ND | | ug/l | 5000 | 1200 | 20 |
| Freon-113 | ND | | ug/l | 50 | 14. | 20 |
| Methyl cyclohexane | ND | | ug/l | 200 | 7.9 | 20 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 100 | | 70-130 |
| Toluene-d8 | 93 | | 70-130 |
| 4-Bromofluorobenzene | 110 | | 70-130 |
| Dibromofluoromethane | 108 | | 70-130 |

**Project Name:** 275 FRANKLIN STREET SITE **Lab Number:** L2263386

**Project Number:** B0156-022-001-001-00 **Report Date:** 11/28/22

## SAMPLE RESULTS

Lab ID: L2263386-13
Client ID: TRIP BLANK
Sample Location: BUFFALO, NY

Date Collected: 11/10/22 00:00
Date Received: 11/10/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 11/20/22 12:16
Analyst: PID

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Methylene chloride | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,1-Dichloroethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Chloroform | ND | | ug/l | 2.5 | 0.70 | 1 |
| Carbon tetrachloride | ND | | ug/l | 0.50 | 0.13 | 1 |
| 1,2-Dichloropropane | ND | | ug/l | 1.0 | 0.14 | 1 |
| Dibromochloromethane | ND | | ug/l | 0.50 | 0.15 | 1 |
| 1,1,2-Trichloroethane | ND | | ug/l | 1.5 | 0.50 | 1 |
| Tetrachloroethene | ND | | ug/l | 0.50 | 0.18 | 1 |
| Chlorobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Trichlorofluoromethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,2-Dichloroethane | ND | | ug/l | 0.50 | 0.13 | 1 |
| 1,1,1-Trichloroethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Bromodichloromethane | ND | | ug/l | 0.50 | 0.19 | 1 |
| trans-1,3-Dichloropropene | ND | | ug/l | 0.50 | 0.16 | 1 |
| cis-1,3-Dichloropropene | ND | | ug/l | 0.50 | 0.14 | 1 |
| Bromoform | ND | | ug/l | 2.0 | 0.65 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/l | 0.50 | 0.17 | 1 |
| Benzene | ND | | ug/l | 0.50 | 0.16 | 1 |
| Toluene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Ethylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Chloromethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Bromomethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Vinyl chloride | ND | | ug/l | 1.0 | 0.07 | 1 |
| Chloroethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,1-Dichloroethene | ND | | ug/l | 0.50 | 0.17 | 1 |
| trans-1,2-Dichloroethene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Trichloroethene | ND | | ug/l | 0.50 | 0.18 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |

**Project Name:** 275 FRANKLIN STREET SITE **Lab Number:** L2263386

**Project Number:** B0156-022-001-001-00 **Report Date:** 11/28/22

## SAMPLE RESULTS

Lab ID: L2263386-13 Date Collected: 11/10/22 00:00

Client ID: TRIP BLANK Date Received: 11/10/22

Sample Location: BUFFALO, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by GC/MS - Westborough Lab** | | | | | | |
| 1,3-Dichlorobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Methyl tert butyl ether | ND | | ug/l | 2.5 | 0.70 | 1 |
| p/m-Xylene | ND | | ug/l | 2.5 | 0.70 | 1 |
| o-Xylene | ND | | ug/l | 2.5 | 0.70 | 1 |
| cis-1,2-Dichloroethene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Styrene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Dichlorodifluoromethane | ND | | ug/l | 5.0 | 1.0 | 1 |
| Acetone | ND | | ug/l | 5.0 | 1.5 | 1 |
| Carbon disulfide | ND | | ug/l | 5.0 | 1.0 | 1 |
| 2-Butanone | ND | | ug/l | 5.0 | 1.9 | 1 |
| 4-Methyl-2-pentanone | ND | | ug/l | 5.0 | 1.0 | 1 |
| 2-Hexanone | ND | | ug/l | 5.0 | 1.0 | 1 |
| Bromochloromethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,2-Dibromoethane | ND | | ug/l | 2.0 | 0.65 | 1 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Isopropylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,2,3-Trichlorobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Methyl Acetate | ND | | ug/l | 2.0 | 0.23 | 1 |
| Cyclohexane | ND | | ug/l | 10 | 0.27 | 1 |
| 1,4-Dioxane | ND | | ug/l | 250 | 61. | 1 |
| Freon-113 | ND | | ug/l | 2.5 | 0.70 | 1 |
| Methyl cyclohexane | ND | | ug/l | 10 | 0.40 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 106 | | 70-130 |
| Toluene-d8 | 94 | | 70-130 |
| 4-Bromofluorobenzene | 111 | | 70-130 |
| Dibromofluoromethane | 115 | | 70-130 |

**Project Name:** 275 FRANKLIN STREET SITE **Lab Number:** L2263386

**Project Number:** B0156-022-001-001-00 **Report Date:** 11/28/22

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 11/20/22 09:33
Analyst: NLK

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-13 Batch: WG1714939-5 | | | | | |
| Methylene chloride | ND | | ug/l | 2.5 | 0.70 |
| 1,1-Dichloroethane | ND | | ug/l | 2.5 | 0.70 |
| Chloroform | ND | | ug/l | 2.5 | 0.70 |
| Carbon tetrachloride | ND | | ug/l | 0.50 | 0.13 |
| 1,2-Dichloropropane | ND | | ug/l | 1.0 | 0.14 |
| Dibromochloromethane | ND | | ug/l | 0.50 | 0.15 |
| 1,1,2-Trichloroethane | ND | | ug/l | 1.5 | 0.50 |
| Tetrachloroethene | ND | | ug/l | 0.50 | 0.18 |
| Chlorobenzene | ND | | ug/l | 2.5 | 0.70 |
| Trichlorofluoromethane | ND | | ug/l | 2.5 | 0.70 |
| 1,2-Dichloroethane | ND | | ug/l | 0.50 | 0.13 |
| 1,1,1-Trichloroethane | ND | | ug/l | 2.5 | 0.70 |
| Bromodichloromethane | ND | | ug/l | 0.50 | 0.19 |
| trans-1,3-Dichloropropene | ND | | ug/l | 0.50 | 0.16 |
| cis-1,3-Dichloropropene | ND | | ug/l | 0.50 | 0.14 |
| Bromoform | ND | | ug/l | 2.0 | 0.65 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/l | 0.50 | 0.17 |
| Benzene | ND | | ug/l | 0.50 | 0.16 |
| Toluene | ND | | ug/l | 2.5 | 0.70 |
| Ethylbenzene | ND | | ug/l | 2.5 | 0.70 |
| Chloromethane | ND | | ug/l | 2.5 | 0.70 |
| Bromomethane | ND | | ug/l | 2.5 | 0.70 |
| Vinyl chloride | ND | | ug/l | 1.0 | 0.07 |
| Chloroethane | ND | | ug/l | 2.5 | 0.70 |
| 1,1-Dichloroethene | ND | | ug/l | 0.50 | 0.17 |
| trans-1,2-Dichloroethene | ND | | ug/l | 2.5 | 0.70 |
| Trichloroethene | ND | | ug/l | 0.50 | 0.18 |
| 1,2-Dichlorobenzene | ND | | ug/l | 2.5 | 0.70 |
| 1,3-Dichlorobenzene | ND | | ug/l | 2.5 | 0.70 |

**Project Name:** 275 FRANKLIN STREET SITE **Lab Number:** L2263386

**Project Number:** B0156-022-001-001-00 **Report Date:** 11/28/22

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 11/20/22 09:33
Analyst: NLK

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-13 Batch: WG1714939-5 | | | | | |
| 1,4-Dichlorobenzene | ND | | ug/l | 2.5 | 0.70 |
| Methyl tert butyl ether | ND | | ug/l | 2.5 | 0.70 |
| p/m-Xylene | ND | | ug/l | 2.5 | 0.70 |
| o-Xylene | ND | | ug/l | 2.5 | 0.70 |
| cis-1,2-Dichloroethene | ND | | ug/l | 2.5 | 0.70 |
| Styrene | ND | | ug/l | 2.5 | 0.70 |
| Dichlorodifluoromethane | ND | | ug/l | 5.0 | 1.0 |
| Acetone | ND | | ug/l | 5.0 | 1.5 |
| Carbon disulfide | ND | | ug/l | 5.0 | 1.0 |
| 2-Butanone | ND | | ug/l | 5.0 | 1.9 |
| 4-Methyl-2-pentanone | ND | | ug/l | 5.0 | 1.0 |
| 2-Hexanone | ND | | ug/l | 5.0 | 1.0 |
| Bromochloromethane | ND | | ug/l | 2.5 | 0.70 |
| 1,2-Dibromoethane | ND | | ug/l | 2.0 | 0.65 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/l | 2.5 | 0.70 |
| Isopropylbenzene | ND | | ug/l | 2.5 | 0.70 |
| 1,2,3-Trichlorobenzene | ND | | ug/l | 2.5 | 0.70 |
| 1,2,4-Trichlorobenzene | ND | | ug/l | 2.5 | 0.70 |
| Methyl Acetate | ND | | ug/l | 2.0 | 0.23 |
| Cyclohexane | ND | | ug/l | 10 | 0.27 |
| 1,4-Dioxane | ND | | ug/l | 250 | 61. |
| Freon-113 | ND | | ug/l | 2.5 | 0.70 |
| Methyl cyclohexane | ND | | ug/l | 10 | 0.40 |

**Project Name:** 275 FRANKLIN STREET SITE
**Project Number:** B0156-022-001-001-00
**Lab Number:** L2263386
**Report Date:** 11/28/22

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 11/20/22 09:33
Analyst: NLK

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-13 Batch: WG1714939-5 | | | | | |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 101 | | 70-130 |
| Toluene-d8 | 94 | | 70-130 |
| 4-Bromofluorobenzene | 112 | | 70-130 |
| Dibromofluoromethane | 112 | | 70-130 |

**Project Name:** 275 FRANKLIN STREET SITE **Lab Number:** L2263386

**Project Number:** B0156-022-001-001-00 **Report Date:** 11/28/22

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 11/22/22 07:55
Analyst: PID

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1715277-5 | | | | | |
| Methylene chloride | ND | | ug/l | 2.5 | 0.70 |
| 1,1-Dichloroethane | ND | | ug/l | 2.5 | 0.70 |
| Chloroform | ND | | ug/l | 2.5 | 0.70 |
| Carbon tetrachloride | ND | | ug/l | 0.50 | 0.13 |
| 1,2-Dichloropropane | ND | | ug/l | 1.0 | 0.14 |
| Dibromochloromethane | ND | | ug/l | 0.50 | 0.15 |
| 1,1,2-Trichloroethane | ND | | ug/l | 1.5 | 0.50 |
| Tetrachloroethene | ND | | ug/l | 0.50 | 0.18 |
| Chlorobenzene | ND | | ug/l | 2.5 | 0.70 |
| Trichlorofluoromethane | ND | | ug/l | 2.5 | 0.70 |
| 1,2-Dichloroethane | ND | | ug/l | 0.50 | 0.13 |
| 1,1,1-Trichloroethane | ND | | ug/l | 2.5 | 0.70 |
| Bromodichloromethane | ND | | ug/l | 0.50 | 0.19 |
| trans-1,3-Dichloropropene | ND | | ug/l | 0.50 | 0.16 |
| cis-1,3-Dichloropropene | ND | | ug/l | 0.50 | 0.14 |
| Bromoform | ND | | ug/l | 2.0 | 0.65 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/l | 0.50 | 0.17 |
| Benzene | ND | | ug/l | 0.50 | 0.16 |
| Toluene | ND | | ug/l | 2.5 | 0.70 |
| Ethylbenzene | ND | | ug/l | 2.5 | 0.70 |
| Chloromethane | ND | | ug/l | 2.5 | 0.70 |
| Bromomethane | ND | | ug/l | 2.5 | 0.70 |
| Vinyl chloride | ND | | ug/l | 1.0 | 0.07 |
| Chloroethane | ND | | ug/l | 2.5 | 0.70 |
| 1,1-Dichloroethene | ND | | ug/l | 0.50 | 0.17 |
| trans-1,2-Dichloroethene | ND | | ug/l | 2.5 | 0.70 |
| Trichloroethene | ND | | ug/l | 0.50 | 0.18 |
| 1,2-Dichlorobenzene | ND | | ug/l | 2.5 | 0.70 |
| 1,3-Dichlorobenzene | ND | | ug/l | 2.5 | 0.70 |

**Project Name:** 275 FRANKLIN STREET SITE
**Project Number:** B0156-022-001-001-00
**Lab Number:** L2263386
**Report Date:** 11/28/22

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 11/22/22 07:55
Analyst: PID

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1715277-5 | | | | | |
| 1,4-Dichlorobenzene | ND | | ug/l | 2.5 | 0.70 |
| Methyl tert butyl ether | ND | | ug/l | 2.5 | 0.70 |
| p/m-Xylene | ND | | ug/l | 2.5 | 0.70 |
| o-Xylene | ND | | ug/l | 2.5 | 0.70 |
| cis-1,2-Dichloroethene | ND | | ug/l | 2.5 | 0.70 |
| Styrene | ND | | ug/l | 2.5 | 0.70 |
| Dichlorodifluoromethane | ND | | ug/l | 5.0 | 1.0 |
| Acetone | ND | | ug/l | 5.0 | 1.5 |
| Carbon disulfide | ND | | ug/l | 5.0 | 1.0 |
| 2-Butanone | ND | | ug/l | 5.0 | 1.9 |
| 4-Methyl-2-pentanone | ND | | ug/l | 5.0 | 1.0 |
| 2-Hexanone | ND | | ug/l | 5.0 | 1.0 |
| Bromochloromethane | ND | | ug/l | 2.5 | 0.70 |
| 1,2-Dibromoethane | ND | | ug/l | 2.0 | 0.65 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/l | 2.5 | 0.70 |
| Isopropylbenzene | ND | | ug/l | 2.5 | 0.70 |
| 1,2,3-Trichlorobenzene | ND | | ug/l | 2.5 | 0.70 |
| 1,2,4-Trichlorobenzene | ND | | ug/l | 2.5 | 0.70 |
| Methyl Acetate | ND | | ug/l | 2.0 | 0.23 |
| Cyclohexane | ND | | ug/l | 10 | 0.27 |
| 1,4-Dioxane | ND | | ug/l | 250 | 61. |
| Freon-113 | ND | | ug/l | 2.5 | 0.70 |
| Methyl cyclohexane | ND | | ug/l | 10 | 0.40 |

**Project Name:** 275 FRANKLIN STREET SITE
**Project Number:** B0156-022-001-001-00
**Lab Number:** L2263386
**Report Date:** 11/28/22

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 11/22/22 07:55
Analyst: PID

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1715277-5 | | | | | |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 108 | | 70-130 |
| Toluene-d8 | 101 | | 70-130 |
| 4-Bromofluorobenzene | 102 | | 70-130 |
| Dibromofluoromethane | 104 | | 70-130 |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 275 FRANKLIN STREET SITE
**Project Number:** B0156-022-001-001-00

**Lab Number:** L2263386
**Report Date:** 11/28/22

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-13 Batch: WG1714939-3 WG1714939-4 | | | | | | | | |
| Methylene chloride | 110 | | 110 | | 70-130 | 0 | | 20 |
| 1,1-Dichloroethane | 130 | | 120 | | 70-130 | 8 | | 20 |
| Chloroform | 120 | | 110 | | 70-130 | 9 | | 20 |
| Carbon tetrachloride | 110 | | 100 | | 63-132 | 10 | | 20 |
| 1,2-Dichloropropane | 120 | | 120 | | 70-130 | 0 | | 20 |
| Dibromochloromethane | 94 | | 92 | | 63-130 | 2 | | 20 |
| 1,1,2-Trichloroethane | 96 | | 96 | | 70-130 | 0 | | 20 |
| Tetrachloroethene | 110 | | 110 | | 70-130 | 0 | | 20 |
| Chlorobenzene | 120 | | 110 | | 75-130 | 9 | | 20 |
| Trichlorofluoromethane | 86 | | 81 | | 62-150 | 6 | | 20 |
| 1,2-Dichloroethane | 100 | | 100 | | 70-130 | 0 | | 20 |
| 1,1,1-Trichloroethane | 110 | | 100 | | 67-130 | 10 | | 20 |
| Bromodichloromethane | 100 | | 100 | | 67-130 | 0 | | 20 |
| trans-1,3-Dichloropropene | 90 | | 84 | | 70-130 | 7 | | 20 |
| cis-1,3-Dichloropropene | 99 | | 96 | | 70-130 | 3 | | 20 |
| Bromoform | 79 | | 79 | | 54-136 | 0 | | 20 |
| 1,1,2,2-Tetrachloroethane | 87 | | 88 | | 67-130 | 1 | | 20 |
| Benzene | 120 | | 110 | | 70-130 | 9 | | 20 |
| Toluene | 120 | | 110 | | 70-130 | 9 | | 20 |
| Ethylbenzene | 120 | | 110 | | 70-130 | 9 | | 20 |
| Chloromethane | **140** | Q | 130 | | 64-130 | 7 | | 20 |
| Bromomethane | 67 | | 65 | | 39-139 | 3 | | 20 |
| Vinyl chloride | 120 | | 110 | | 55-140 | 9 | | 20 |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 275 FRANKLIN STREET SITE
**Project Number:** B0156-022-001-001-00

**Lab Number:** L2263386
**Report Date:** 11/28/22

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-13 Batch: WG1714939-3 WG1714939-4 | | | | | | | | |
| Chloroethane | 96 | | 89 | | 55-138 | 8 | | 20 |
| 1,1-Dichloroethene | 84 | | 81 | | 61-145 | 4 | | 20 |
| trans-1,2-Dichloroethene | 120 | | 110 | | 70-130 | 9 | | 20 |
| Trichloroethene | 120 | | 110 | | 70-130 | 9 | | 20 |
| 1,2-Dichlorobenzene | 110 | | 110 | | 70-130 | 0 | | 20 |
| 1,3-Dichlorobenzene | 110 | | 110 | | 70-130 | 0 | | 20 |
| 1,4-Dichlorobenzene | 110 | | 110 | | 70-130 | 0 | | 20 |
| Methyl tert butyl ether | 83 | | 84 | | 63-130 | 1 | | 20 |
| p/m-Xylene | 120 | | 115 | | 70-130 | 4 | | 20 |
| o-Xylene | 115 | | 110 | | 70-130 | 4 | | 20 |
| cis-1,2-Dichloroethene | 120 | | 110 | | 70-130 | 9 | | 20 |
| Styrene | 115 | | 110 | | 70-130 | 4 | | 20 |
| Dichlorodifluoromethane | 95 | | 88 | | 36-147 | 8 | | 20 |
| Acetone | 85 | | 88 | | 58-148 | 3 | | 20 |
| Carbon disulfide | 67 | | 61 | | 51-130 | 9 | | 20 |
| 2-Butanone | 110 | | 100 | | 63-138 | 10 | | 20 |
| 4-Methyl-2-pentanone | 90 | | 93 | | 59-130 | 3 | | 20 |
| 2-Hexanone | 95 | | 99 | | 57-130 | 4 | | 20 |
| Bromochloromethane | 110 | | 100 | | 70-130 | 10 | | 20 |
| 1,2-Dibromoethane | 95 | | 92 | | 70-130 | 3 | | 20 |
| 1,2-Dibromo-3-chloropropane | 86 | | 87 | | 41-144 | 1 | | 20 |
| Isopropylbenzene | 120 | | 110 | | 70-130 | 9 | | 20 |
| 1,2,3-Trichlorobenzene | 94 | | 92 | | 70-130 | 2 | | 20 |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 275 FRANKLIN STREET SITE
**Project Number:** B0156-022-001-001-00

**Lab Number:** L2263386
**Report Date:** 11/28/22

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-13 Batch: WG1714939-3 WG1714939-4 | | | | | | | | |
| 1,2,4-Trichlorobenzene | 98 | | 94 | | 70-130 | 4 | | 20 |
| Methyl Acetate | 110 | | 110 | | 70-130 | 0 | | 20 |
| Cyclohexane | 120 | | 110 | | 70-130 | 9 | | 20 |
| 1,4-Dioxane | **42** | Q | 74 | | 56-162 | **55** | Q | 20 |
| Freon-113 | 84 | | 81 | | 70-130 | 4 | | 20 |
| Methyl cyclohexane | 96 | | 91 | | 70-130 | 5 | | 20 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|---|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 89 | | 91 | | 70-130 |
| Toluene-d8 | 101 | | 101 | | 70-130 |
| 4-Bromofluorobenzene | 106 | | 106 | | 70-130 |
| Dibromofluoromethane | 96 | | 95 | | 70-130 |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 275 FRANKLIN STREET SITE
**Project Number:** B0156-022-001-001-00

**Lab Number:** L2263386
**Report Date:** 11/28/22

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1715277-3 WG1715277-4 | | | | | | | | |
| Methylene chloride | 86 | | 93 | | 70-130 | 8 | | 20 |
| 1,1-Dichloroethane | 100 | | 100 | | 70-130 | 0 | | 20 |
| Chloroform | 96 | | 100 | | 70-130 | 4 | | 20 |
| Carbon tetrachloride | 91 | | 96 | | 63-132 | 5 | | 20 |
| 1,2-Dichloropropane | 100 | | 100 | | 70-130 | 0 | | 20 |
| Dibromochloromethane | 91 | | 96 | | 63-130 | 5 | | 20 |
| 1,1,2-Trichloroethane | 99 | | 110 | | 70-130 | 11 | | 20 |
| Tetrachloroethene | 88 | | 96 | | 70-130 | 9 | | 20 |
| Chlorobenzene | 94 | | 100 | | 75-130 | 6 | | 20 |
| Trichlorofluoromethane | 100 | | 110 | | 62-150 | 10 | | 20 |
| 1,2-Dichloroethane | 98 | | 100 | | 70-130 | 2 | | 20 |
| 1,1,1-Trichloroethane | 94 | | 98 | | 67-130 | 4 | | 20 |
| Bromodichloromethane | 93 | | 98 | | 67-130 | 5 | | 20 |
| trans-1,3-Dichloropropene | 90 | | 100 | | 70-130 | 11 | | 20 |
| cis-1,3-Dichloropropene | 92 | | 97 | | 70-130 | 5 | | 20 |
| Bromoform | 79 | | 88 | | 54-136 | 11 | | 20 |
| 1,1,2,2-Tetrachloroethane | 99 | | 110 | | 67-130 | 11 | | 20 |
| Benzene | 95 | | 100 | | 70-130 | 5 | | 20 |
| Toluene | 95 | | 100 | | 70-130 | 5 | | 20 |
| Ethylbenzene | 94 | | 100 | | 70-130 | 6 | | 20 |
| Chloromethane | 84 | | 92 | | 64-130 | 9 | | 20 |
| Bromomethane | 79 | | 89 | | 39-139 | 12 | | 20 |
| Vinyl chloride | 100 | | 110 | | 55-140 | 10 | | 20 |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 275 FRANKLIN STREET SITE
**Project Number:** B0156-022-001-001-00

**Lab Number:** L2263386
**Report Date:** 11/28/22

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1715277-3 WG1715277-4 | | | | | | | | |
| Chloroethane | **200** | Q | **200** | Q | 55-138 | 0 | | 20 |
| 1,1-Dichloroethene | 100 | | 120 | | 61-145 | 18 | | 20 |
| trans-1,2-Dichloroethene | 93 | | 97 | | 70-130 | 4 | | 20 |
| Trichloroethene | 94 | | 96 | | 70-130 | 2 | | 20 |
| 1,2-Dichlorobenzene | 90 | | 97 | | 70-130 | 7 | | 20 |
| 1,3-Dichlorobenzene | 93 | | 100 | | 70-130 | 7 | | 20 |
| 1,4-Dichlorobenzene | 90 | | 100 | | 70-130 | 11 | | 20 |
| Methyl tert butyl ether | 86 | | 88 | | 63-130 | 2 | | 20 |
| p/m-Xylene | 95 | | 100 | | 70-130 | 5 | | 20 |
| o-Xylene | 95 | | 100 | | 70-130 | 5 | | 20 |
| cis-1,2-Dichloroethene | 96 | | 100 | | 70-130 | 4 | | 20 |
| Styrene | 90 | | 95 | | 70-130 | 5 | | 20 |
| Dichlorodifluoromethane | 82 | | 88 | | 36-147 | 7 | | 20 |
| Acetone | 100 | | 100 | | 58-148 | 0 | | 20 |
| Carbon disulfide | 110 | | 120 | | 51-130 | 9 | | 20 |
| 2-Butanone | 93 | | 97 | | 63-138 | 4 | | 20 |
| 4-Methyl-2-pentanone | 92 | | 92 | | 59-130 | 0 | | 20 |
| 2-Hexanone | 82 | | 89 | | 57-130 | 8 | | 20 |
| Bromochloromethane | 97 | | 98 | | 70-130 | 1 | | 20 |
| 1,2-Dibromoethane | 94 | | 99 | | 70-130 | 5 | | 20 |
| 1,2-Dibromo-3-chloropropane | 86 | | 92 | | 41-144 | 7 | | 20 |
| Isopropylbenzene | 92 | | 100 | | 70-130 | 8 | | 20 |
| 1,2,3-Trichlorobenzene | 92 | | 98 | | 70-130 | 6 | | 20 |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 275 FRANKLIN STREET SITE
**Project Number:** B0156-022-001-001-00

**Lab Number:** L2263386
**Report Date:** 11/28/22

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1715277-3 WG1715277-4 | | | | | | | | |
| 1,2,4-Trichlorobenzene | 93 | | 100 | | 70-130 | 7 | | 20 |
| Methyl Acetate | 87 | | 84 | | 70-130 | 4 | | 20 |
| Cyclohexane | 96 | | 100 | | 70-130 | 4 | | 20 |
| 1,4-Dioxane | 98 | | 100 | | 56-162 | 2 | | 20 |
| Freon-113 | 110 | | 120 | | 70-130 | 9 | | 20 |
| Methyl cyclohexane | 92 | | 95 | | 70-130 | 3 | | 20 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|---|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 101 | | 103 | | 70-130 |
| Toluene-d8 | 100 | | 103 | | 70-130 |
| 4-Bromofluorobenzene | 97 | | 100 | | 70-130 |
| Dibromofluoromethane | 98 | | 99 | | 70-130 |

# Matrix Spike Analysis

## *Batch Quality Control*

**Project Name:** 275 FRANKLIN STREET SITE

**Project Number:** B0156-022-001-001-00

**Lab Number:** L2263386

**Report Date:** 11/28/22

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | Qual | MSD Found | MSD %Recovery | Qual | Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-13 QC Batch ID: WG1714939-6 WG1714939-7 QC Sample: L2263386-08 Client ID: PZ-14 | | | | | | | | | | | | |
| Methylene chloride | ND | 40 | 47 | 118 | | 43 | 108 | | 70-130 | 9 | | 20 |
| 1,1-Dichloroethane | ND | 40 | 54 | **135** | Q | 49 | 123 | | 70-130 | 10 | | 20 |
| Chloroform | ND | 40 | 50 | 125 | | 46 | 115 | | 70-130 | 8 | | 20 |
| Carbon tetrachloride | ND | 40 | 50 | 125 | | 46 | 115 | | 63-132 | 8 | | 20 |
| 1,2-Dichloropropane | ND | 40 | 51 | 128 | | 46 | 115 | | 70-130 | 10 | | 20 |
| Dibromochloromethane | ND | 40 | 42 | 105 | | 37 | 92 | | 63-130 | 13 | | 20 |
| 1,1,2-Trichloroethane | ND | 40 | 44 | 110 | | 39 | 98 | | 70-130 | 12 | | 20 |
| Tetrachloroethene | 470 | 40 | 500 | 75 | | 480 | **25** | Q | 70-130 | 4 | | 20 |
| Chlorobenzene | ND | 40 | 49 | 123 | | 44 | 110 | | 75-130 | 11 | | 20 |
| Trichlorofluoromethane | ND | 40 | 39 | 98 | | 36 | 90 | | 62-150 | 8 | | 20 |
| 1,2-Dichloroethane | ND | 40 | 45 | 113 | | 40 | 100 | | 70-130 | 12 | | 20 |
| 1,1,1-Trichloroethane | ND | 40 | 49 | 123 | | 45 | 113 | | 67-130 | 9 | | 20 |
| Bromodichloromethane | ND | 40 | 44 | 110 | | 40 | 100 | | 67-130 | 10 | | 20 |
| trans-1,3-Dichloropropene | ND | 40 | 38 | 95 | | 34 | 85 | | 70-130 | 11 | | 20 |
| cis-1,3-Dichloropropene | ND | 40 | 39 | 98 | | 35 | 88 | | 70-130 | 11 | | 20 |
| Bromoform | ND | 40 | 35 | 88 | | 32 | 80 | | 54-136 | 9 | | 20 |
| 1,1,2,2-Tetrachloroethane | ND | 40 | 38 | 95 | | 35 | 88 | | 67-130 | 8 | | 20 |
| Benzene | ND | 40 | 50 | 125 | | 46 | 115 | | 70-130 | 8 | | 20 |
| Toluene | ND | 40 | 50 | 125 | | 44 | 110 | | 70-130 | 13 | | 20 |
| Ethylbenzene | ND | 40 | 50 | 125 | | 44 | 110 | | 70-130 | 13 | | 20 |
| Chloromethane | ND | 40 | 58 | **145** | Q | 54 | **135** | Q | 64-130 | 7 | | 20 |
| Bromomethane | ND | 40 | 22 | 55 | | 24 | 60 | | 39-139 | 9 | | 20 |
| Vinyl chloride | 9.6 | 40 | 60 | 126 | | 55 | 114 | | 55-140 | 9 | | 20 |

# Matrix Spike Analysis

## Batch Quality Control

**Project Name:** 275 FRANKLIN STREET SITE
**Project Number:** B0156-022-001-001-00

**Lab Number:** L2263386
**Report Date:** 11/28/22

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | Qual | MSD Found | MSD %Recovery | Qual | Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-13 QC Batch ID: WG1714939-6 WG1714939-7 QC Sample: L2263386-08 Client ID: PZ-14 | | | | | | | | | | | | |
| Chloroethane | ND | 40 | 40 | 100 | | 37 | 92 | | 55-138 | 8 | | 20 |
| 1,1-Dichloroethene | ND | 40 | 39 | 98 | | 36 | 90 | | 61-145 | 8 | | 20 |
| trans-1,2-Dichloroethene | 3.1J | 40 | 52 | 130 | | 48 | 120 | | 70-130 | 8 | | 20 |
| Trichloroethene | 35 | 40 | 89 | **135** | Q | 82 | 118 | | 70-130 | 8 | | 20 |
| 1,2-Dichlorobenzene | ND | 40 | 46 | 115 | | 42 | 105 | | 70-130 | 9 | | 20 |
| 1,3-Dichlorobenzene | ND | 40 | 48 | 120 | | 43 | 108 | | 70-130 | 11 | | 20 |
| 1,4-Dichlorobenzene | ND | 40 | 47 | 118 | | 43 | 108 | | 70-130 | 9 | | 20 |
| Methyl tert butyl ether | ND | 40 | 34 | 85 | | 32 | 80 | | 63-130 | 6 | | 20 |
| p/m-Xylene | ND | 80 | 100 | 125 | | 91 | 114 | | 70-130 | 9 | | 20 |
| o-Xylene | ND | 80 | 98 | 123 | | 86 | 108 | | 70-130 | 13 | | 20 |
| cis-1,2-Dichloroethene | 320 | 40 | 340 | **50** | Q | 330 | **25** | Q | 70-130 | 3 | | 20 |
| Styrene | ND | 80 | 96 | 120 | | 84 | 105 | | 70-130 | 13 | | 20 |
| Dichlorodifluoromethane | ND | 40 | 44 | 110 | | 37 | 92 | | 36-147 | 17 | | 20 |
| Acetone | ND | 40 | 43 | 108 | | 34 | 85 | | 58-148 | **23** | Q | 20 |
| Carbon disulfide | ND | 40 | 27 | 68 | | 25 | 62 | | 51-130 | 8 | | 20 |
| 2-Butanone | ND | 40 | 48 | 120 | | 42 | 105 | | 63-138 | 13 | | 20 |
| 4-Methyl-2-pentanone | ND | 40 | 40 | 100 | | 38 | 95 | | 59-130 | 5 | | 20 |
| 2-Hexanone | ND | 40 | 43 | 108 | | 38 | 95 | | 57-130 | 12 | | 20 |
| Bromochloromethane | ND | 40 | 45 | 113 | | 40 | 100 | | 70-130 | 12 | | 20 |
| 1,2-Dibromoethane | ND | 40 | 41 | 103 | | 37 | 92 | | 70-130 | 10 | | 20 |
| 1,2-Dibromo-3-chloropropane | ND | 40 | 36 | 90 | | 33 | 82 | | 41-144 | 9 | | 20 |
| Isopropylbenzene | ND | 40 | 49 | 123 | | 44 | 110 | | 70-130 | 11 | | 20 |
| 1,2,3-Trichlorobenzene | ND | 40 | 39 | 98 | | 37 | 92 | | 70-130 | 5 | | 20 |

# Matrix Spike Analysis

## Batch Quality Control

**Project Name:** 275 FRANKLIN STREET SITE

**Project Number:** B0156-022-001-001-00

**Lab Number:** L2263386

**Report Date:** 11/28/22

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | Qual | MSD Found | MSD %Recovery | Qual | Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-13 QC Batch ID: WG1714939-6 WG1714939-7 QC Sample: L2263386-08 Client ID: PZ-14 | | | | | | | | | | | | |
| 1,2,4-Trichlorobenzene | ND | 40 | 40 | 100 | | 37 | 92 | | 70-130 | 8 | | 20 |
| Methyl Acetate | ND | 40 | 46 | 115 | | 40 | 100 | | 70-130 | 14 | | 20 |
| Cyclohexane | ND | 40 | 57 | **143** | Q | 50 | 125 | | 70-130 | 13 | | 20 |
| 1,4-Dioxane | ND | 2000 | 890J | **44** | Q | 1600 | 80 | | 56-162 | **57** | Q | 20 |
| Freon-113 | ND | 40 | 38 | 95 | | 34 | 85 | | 70-130 | 11 | | 20 |
| Methyl cyclohexane | ND | 40 | 45 | 113 | | 39J | 98 | | 70-130 | 14 | | 20 |

| Surrogate | MS % Recovery | MS Qualifier | MSD % Recovery | MSD Qualifier | Acceptance Criteria |
|---|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 91 | | 92 | | 70-130 |
| 4-Bromofluorobenzene | 103 | | 105 | | 70-130 |
| Dibromofluoromethane | 97 | | 97 | | 70-130 |
| Toluene-d8 | 98 | | 99 | | 70-130 |

**Project Name:** 275 FRANKLIN STREET SITE
**Project Number:** B0156-022-001-001-00

**Lab Number:** L2263386
**Report Date:** 11/28/22

## Sample Receipt and Container Information

Were project specific reporting limits specified? YES

### Cooler Information

| Cooler | Custody Seal |
|---|---|
| A | Absent |

### Container Information

| Container ID | Container Type | Cooler | Initial pH | Final pH | Temp deg C | Pres | Seal | Frozen Date/Time | Analysis(*) |
|---|---|---|---|---|---|---|---|---|---|
| L2263386-01A | Vial HCl preserved | A | NA | | 4.2 | Y | Absent | | NYTCL-8260-R2(14) |
| L2263386-01B | Vial HCl preserved | A | NA | | 4.2 | Y | Absent | | NYTCL-8260-R2(14) |
| L2263386-01C | Vial HCl preserved | A | NA | | 4.2 | Y | Absent | | NYTCL-8260-R2(14) |
| L2263386-02A | Vial HCl preserved | A | NA | | 4.2 | Y | Absent | | NYTCL-8260-R2(14) |
| L2263386-02B | Vial HCl preserved | A | NA | | 4.2 | Y | Absent | | NYTCL-8260-R2(14) |
| L2263386-02C | Vial HCl preserved | A | NA | | 4.2 | Y | Absent | | NYTCL-8260-R2(14) |
| L2263386-03A | Vial HCl preserved | A | NA | | 4.2 | Y | Absent | | NYTCL-8260-R2(14) |
| L2263386-03B | Vial HCl preserved | A | NA | | 4.2 | Y | Absent | | NYTCL-8260-R2(14) |
| L2263386-03C | Vial HCl preserved | A | NA | | 4.2 | Y | Absent | | NYTCL-8260-R2(14) |
| L2263386-04A | Vial HCl preserved | A | NA | | 4.2 | Y | Absent | | NYTCL-8260-R2(14) |
| L2263386-04B | Vial HCl preserved | A | NA | | 4.2 | Y | Absent | | NYTCL-8260-R2(14) |
| L2263386-04C | Vial HCl preserved | A | NA | | 4.2 | Y | Absent | | NYTCL-8260-R2(14) |
| L2263386-05A | Vial HCl preserved | A | NA | | 4.2 | Y | Absent | | NYTCL-8260-R2(14) |
| L2263386-05B | Vial HCl preserved | A | NA | | 4.2 | Y | Absent | | NYTCL-8260-R2(14) |
| L2263386-05C | Vial HCl preserved | A | NA | | 4.2 | Y | Absent | | NYTCL-8260-R2(14) |
| L2263386-06A | Vial HCl preserved | A | NA | | 4.2 | Y | Absent | | NYTCL-8260-R2(14) |
| L2263386-06B | Vial HCl preserved | A | NA | | 4.2 | Y | Absent | | NYTCL-8260-R2(14) |
| L2263386-06C | Vial HCl preserved | A | NA | | 4.2 | Y | Absent | | NYTCL-8260-R2(14) |
| L2263386-07A | Vial HCl preserved | A | NA | | 4.2 | Y | Absent | | NYTCL-8260-R2(14) |
| L2263386-07B | Vial HCl preserved | A | NA | | 4.2 | Y | Absent | | NYTCL-8260-R2(14) |
| L2263386-07C | Vial HCl preserved | A | NA | | 4.2 | Y | Absent | | NYTCL-8260-R2(14) |
| L2263386-08A | Vial HCl preserved | A | NA | | 4.2 | Y | Absent | | NYTCL-8260-R2(14) |
| L2263386-08A1 | Vial HCl preserved | A | NA | | 4.2 | Y | Absent | | NYTCL-8260-R2(14) |



*Values in parentheses indicate holding time in days

**Project Name:** 275 FRANKLIN STREET SITE
**Project Number:** B0156-022-001-001-00

**Lab Number:** L2263386
**Report Date:** 11/28/22

## Container Information

| Container ID | Container Type | Cooler | Initial pH | Final pH | Temp deg C | Pres | Seal | Frozen Date/Time | Analysis(*) |
|---|---|---|---|---|---|---|---|---|---|
| L2263386-08A2 | Vial HCl preserved | A | NA | | 4.2 | Y | Absent | | NYTCL-8260-R2(14) |
| L2263386-08B | Vial HCl preserved | A | NA | | 4.2 | Y | Absent | | NYTCL-8260-R2(14) |
| L2263386-08B1 | Vial HCl preserved | A | NA | | 4.2 | Y | Absent | | NYTCL-8260-R2(14) |
| L2263386-08B2 | Vial HCl preserved | A | NA | | 4.2 | Y | Absent | | NYTCL-8260-R2(14) |
| L2263386-08C | Vial HCl preserved | A | NA | | 4.2 | Y | Absent | | NYTCL-8260-R2(14) |
| L2263386-08C1 | Vial HCl preserved | A | NA | | 4.2 | Y | Absent | | NYTCL-8260-R2(14) |
| L2263386-08C2 | Vial HCl preserved | A | NA | | 4.2 | Y | Absent | | NYTCL-8260-R2(14) |
| L2263386-09A | Vial HCl preserved | A | NA | | 4.2 | Y | Absent | | NYTCL-8260-R2(14) |
| L2263386-09B | Vial HCl preserved | A | NA | | 4.2 | Y | Absent | | NYTCL-8260-R2(14) |
| L2263386-09C | Vial HCl preserved | A | NA | | 4.2 | Y | Absent | | NYTCL-8260-R2(14) |
| L2263386-10A | Vial HCl preserved | A | NA | | 4.2 | Y | Absent | | NYTCL-8260-R2(14) |
| L2263386-10B | Vial HCl preserved | A | NA | | 4.2 | Y | Absent | | NYTCL-8260-R2(14) |
| L2263386-10C | Vial HCl preserved | A | NA | | 4.2 | Y | Absent | | NYTCL-8260-R2(14) |
| L2263386-11A | Vial HCl preserved | A | NA | | 4.2 | Y | Absent | | NYTCL-8260-R2(14) |
| L2263386-11B | Vial HCl preserved | A | NA | | 4.2 | Y | Absent | | NYTCL-8260-R2(14) |
| L2263386-11C | Vial HCl preserved | A | NA | | 4.2 | Y | Absent | | NYTCL-8260-R2(14) |
| L2263386-12A | Vial HCl preserved | A | NA | | 4.2 | Y | Absent | | NYTCL-8260-R2(14) |
| L2263386-12B | Vial HCl preserved | A | NA | | 4.2 | Y | Absent | | NYTCL-8260-R2(14) |
| L2263386-12C | Vial HCl preserved | A | NA | | 4.2 | Y | Absent | | NYTCL-8260-R2(14) |
| L2263386-13A | Vial HCl preserved | A | NA | | 4.2 | Y | Absent | | NYTCL-8260-R2(14) |
| L2263386-13B | Vial HCl preserved | A | NA | | 4.2 | Y | Absent | | NYTCL-8260-R2(14) |



*Values in parentheses indicate holding time in days

| | | | |
|---|---|---|---|
| **Project Name:** | 275 FRANKLIN STREET SITE | **Lab Number:** | L2263386 |
| **Project Number:** | B0156-022-001-001-00 | **Report Date:** | 11/28/22 |

## GLOSSARY

***Acronyms***

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

*Report Format: DU Report with 'J' Qualifiers*

| | | | |
|---|---|---|---|
| **Project Name:** | 275 FRANKLIN STREET SITE | **Lab Number:** | L2263386 |
| **Project Number:** | B0156-022-001-001-00 | **Report Date:** | 11/28/22 |

***Footnotes***

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

***Terms***

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

***Data Qualifiers***

**A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

**B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

**C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

**D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

**E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

**F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

**G** - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

**H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

**I** - The lower value for the two columns has been reported due to obvious interference.

**J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

*Report Format: DU Report with 'J' Qualifiers*

| | | | |
|---|---|---|---|
| **Project Name:** | 275 FRANKLIN STREET SITE | **Lab Number:** | L2263386 |
| **Project Number:** | B0156-022-001-001-00 | **Report Date:** | 11/28/22 |

***Data Qualifiers***

Identified Compounds (TICs).

**M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

**ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

**NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

**P** - The RPD between the results for the two columns exceeds the method-specified criteria.

**Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

**R** - Analytical results are from sample re-analysis.

**RE** - Analytical results are from sample re-extraction.

**S** - Analytical results are from modified screening analysis.

**V** - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

**Z** - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

*Report Format: DU Report with 'J' Qualifiers*

| | | | |
|---|---|---|---|
| **Project Name:** | 275 FRANKLIN STREET SITE | **Lab Number:** | L2263386 |
| **Project Number:** | B0156-022-001-001-00 | **Report Date:** | 11/28/22 |

## REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

# Certification Information

**The following analytes are not included in our Primary NELAP Scope of Accreditation:**

**Westborough Facility**
**EPA 624/624.1:** m/p-xylene, o-xylene, Naphthalene
**EPA 625/625.1:** alpha-Terpineol
**EPA 8260C/8260D:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
**EPA 8270D/8270E:** NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
**SM4500**: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

**Mansfield Facility**
**SM 2540D:** TSS
**EPA 8082A:** NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
**Biological Tissue Matrix:** EPA 3050B

**The following analytes are included in our Massachusetts DEP Scope of Accreditation**

**Westborough Facility:**

***Drinking Water***
**EPA 300.0**: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
**EPA 332**: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
**Microbiology**: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

***Non-Potable Water***
**SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
**EPA 624.1**: Volatile Halocarbons & Aromatics,
**EPA 608.3**: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
**EPA 625.1**: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
**Microbiology**: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

**Mansfield Facility:**

***Drinking Water***
**EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
**EPA 522, EPA 537.1.**

***Non-Potable Water***
**EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
**EPA 245.1** Hg.
**SM2340B**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

# NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL
Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 2

Date Rec'd in Lab: 11/11/22

ALPHA Job #: L2263386

**Client Information**
Client: Benchmark Environmental Eng.
Address: 2558 Hamburg Turke Suite 300, Buffalo NY
Phone: (716) 856-0599
Fax: (716) 856-0583
Email: [illegible]@bm-tk.com

**Project Information**
Project Name: 275 Franklin Street S.T.
Project Location: Buffalo, NY
Project # B0156-022-001-001-001
(Use Project name as Project #) ☐
Project Manager:
ALPHAQuote #:

**Turn-Around Time**
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

**Deliverables**
☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

**Regulatory Requirement**
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

**Billing Information**
☐ Same as Client Info
PO #

**Disposal Site Information**
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

**Other project specific requirements/comments:**
CAT B + EQUIS

**Please specify Metals or TAL.**

**ANALYSIS**
TCL VOCs 8260

**Sample Filtration**
☐ Done
☐ Lab to do
**Preservation**
☐ Lab to do
*(Please Specify below)*

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | TCL VOCs 8260 | Sample Specific Comments | Total Bottle |
|---|---|---|---|---|---|---|---|---|
| 63386-01 | PZ-4R | 11/10/22 | 1046 | Water | EAS | X | | 3 |
| 02 | MW-5R | | 1006 | | | X | | 3 |
| 03 | PZ-5 | | 0920 | | | X | | 3 |
| 04 | PZ-6 | | 0845 | | | X | | 3 |
| 05 | PZ-11 | | 1421 | | | X | | 3 |
| 06 | PZ-12 | | 1400 | | | X | | 3 |
| 07 | PZ-13 | | 1121 | | | X | | 3 |
| 08 | PZ-14 | | 1154 | | | X | MS/MSD | 9 |
| 09 | MW-24D | | 1312 | | | X | | 3 |
| 10 | MW-24S | | 1330 | | | X | | 3 |

Preservative Code:
A = None
B = HCl
C = $HNO_3$
D = $H_2SO_4$
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

| | |
|---|---|
| Container Type | V |
| Preservative | B |

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| | 11/10/22 1527 | | 11/10/22 1527 |
| | 11/10/22 15:27 | | 11/11/22 0020 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

# NEW YORK CHAIN OF CUSTODY

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

**Service Centers**
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page: 2 of 2

Date Rec'd in Lab: 11/11/22

ALPHA Job #: L2263386

**Client Information**
Client: Benchmark Environmental Eng.
Address: 2558 Hamburg Tpke Suite 300 Buffalo, NY
Phone: (716) 856-0599
Fax: (716) 856-0583
Email: lcicker@bm-th.com

**Project Information**
Project Name: 275 Franklin Street Site
Project Location: Buffalo, NY
Project #: B0156-022-001-001-001
(Use Project name as Project #) ☐
Project Manager:
ALPHAQuote #:

**Turn-Around Time**
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

**Deliverables**
☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

**Regulatory Requirement**
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

**Billing Information**
☐ Same as Client Info
PO #

**Disposal Site Information**
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

**Other project specific requirements/comments:**
CAT B + EQUIS

**Please specify Metals or TAL.**

**ANALYSIS**
TCL VOCs 8260

**Sample Filtration**
☐ Done
☐ Lab to do
*Preservation*
☐ Lab to do
*(Please Specify below)*

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | TCL VOCs 8260 | Sample Specific Comments | Total Bottle |
|---|---|---|---|---|---|---|---|---|
| 63386-11 | MW-235 | 11/10/22 | 1233 | Water | EAS | X | | 3 |
| 12 | Blind Dup | ↓ | - | ↓ | ↓ | X | | 3 |
| 13 | Trip Blank | ↓ | | ↓ | ↓ | X | | 2 |

Preservative Code:
A = None
B = HCl
C = $HNO_3$
D = $H_2SO_4$
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Container Type | V | | | | | | | | | |
| Preservative | B | | | | | | | | | |

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| | 11/10/22 1527 | | 11/10/22 1527 |
| | 11/10/22 1527 | | 11/11/22 0820 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

BENCHMARK

# GROUNDWATER FIELD FORM

Project Name: 275 Franklin/432 Pearl GWM & PRR
Location: 275 Franklin/432 Pearl
Project No.: B0156-022-001
Date: 11/10/22
Field Team: ES and KW

| Well No. | PZ-4R | Diameter (inches) | 1 | Sample Date / Time: | 11/10/22 | 1046 |
|---|---|---|---|---|---|---|
| Product Depth (fbTOR): | - | Water Column (ft): | 2.58 | DTW when sampled: | 11.95 | |
| DTW (static) (fbTOR): | 11.85 | One Well Volume (gal): | 0.11 | Purpose: ☐ Development ☐ Sample ☑ Purge & Sample | | |
| Total Depth (fbTOR): | 14.43 | Total Volume Purged (gal): | 0.75 | Purge Method: | Peristaltic Pump | |

| Time | | Water Level (fbTOR) | Acc. Volume (gallons) | pH (units) | Temp. (deg. C) | SC (uS) | Turbidity (NTU) | DO (mg/L) | ORP (mV) | Appearance & Odor |
|---|---|---|---|---|---|---|---|---|---|---|
| 1031 | 0 | Initial | - | 7.38 | 17.9 | 6784 | 99.8 | 6.85 | 133 | Clear, no odor |
| 1033 | 1 | 12.5 | 0.15 | 7.31 | 18.1 | 7015 | 89.2 | 6.22 | 136 | " " |
| 1038 | 2 | 11.95 | 0.50 | 7.29 | 18.1 | 7109 | 61.8 | 6.26 | 119 | " " |
| 1041 | 3 | 11.95 | 0.70 | 7.24 | 18.0 | 7114 | 24.6 | 6.22 | 141 | " " |
| | 4 | | | | | | | | | |
| | 5 | | | | | | | | | |
| | 6 | | | | | | | | | |
| | 7 | | | | | | | | | |
| | 8 | | | | | | | | | |
| | 9 | | | | | | | | | |
| | 10 | | | | | | | | | |
| **Sample Information:** | | | | | | | | | | |
| 1044 | S1 | 11.95 | 0.75 | 7.31 | 18.3 | 7071 | 17.0 | 6.53 | 166 | Clear; no odor |
| 1050 | S2 | 11.95 | 0.75 | 7.27 | 18.6 | 7063 | 10.3 | 6.23 | 138 | Clear; no odor |

| Well No. | MW-5R | Diameter (inches) | 2 | Sample Date / Time: | 11/10/22 | 1006 |
|---|---|---|---|---|---|---|
| Product Depth (fbTOR): | - | Water Column (ft): | 7.36 | DTW when sampled: | 11.8 | |
| DTW (static) (fbTOR): | 11.70 | One Well Volume (gal): | 1.2 | Purpose: ☐ Development ☐ Sample ☑ Purge & Sample | | |
| Total Depth (fbTOR): | 19.06 | Total Volume Purged (gal): | 4.5 | Purge Method: | low flow pump | |

| Time | | Water Level (fbTOR) | Acc. Volume (gallons) | pH (units) | Temp. (deg. C) | SC (uS) | Turbidity (NTU) | DO (mg/L) | ORP (mV) | Appearance & Odor |
|---|---|---|---|---|---|---|---|---|---|---|
| 0947 | 0 | Initial | | 7.45 | 18.1 | 3434 | 34.0 | 2.61 | 183.0 | Clear; no odor |
| 0953 | 1 | 12.0 | 1.5 | 7.43 | 18.1 | 3272 | 19.0 | 2.13 | 235.0 | Clear; no odor |
| 0955 | 2 | 12.04 | 3.0 | 7.25 | 17.6 | 3297 | 20.7 | 1.68 | 141.0 | Clear; no odor |
| 1000 | 3 | 12.07 | 4.5 | 7.25 | 17.6 | 3284 | 18.7 | 1.29 | 111.0 | Clear; no odor |
| ~~1003~~ KW | ~~4~~ | ~~11.80~~ | ~~4.5~~ | ~~7.30~~ | ~~17.9~~ | ~~3284~~ | | | ~~90.0~~ | |
| ~~1005~~ KW | ~~5~~ | | ~~4.5~~ | | | | | | | |
| | 6 | | | | | | | | | |
| | 7 | | | | | | | | | |
| | 8 | | | | | | | | | |
| | 9 | | | | | | | | | |
| | 10 | | | | | | | | | |
| **Sample Information:** | | | | | | | | | | |
| 1005 | S1 | 11.80 | 4.5 | 7.30 | 17.9 | 3284 | 24.2 | 7.80 | 90.0 | Clear; no odor |
| 1008 | S2 | 11.80 | 4.5 | 7.30 | 17.5 | 3331 | 25.0 | 2.58 | 88.0 | Clear; no odor |

**REMARKS:** PZ-4R = Blind Dup.

*Note: All water level measurements are in feet, distance from top of riser.*

Volume Calculation

| Diam. | Vol. (g/ft) |
|---|---|
| 1" | 0.041 |
| 2" | 0.163 |
| 4" | 0.653 |
| 6" | 1.469 |

Stabilization Criteria

| Parameter | Criteria |
|---|---|
| pH | ± 0.1 unit |
| SC | ± 3% |
| Turbidity | ± 10% |
| DO | ± 0.3 mg/L |
| ORP | ± 10 mV |

**PREPARED BY:** EAS

BENCHMARK

# GROUNDWATER FIELD FORM

Project Name: 275 Franklin/432 Pearl GWM & PRR
Location: 275 Franklin/432 Pearl
Project No.: B0156-022-001
Date: 11/10/22
Field Team: ES and KW

| Well No. | PZ-5 | Diameter (inches) | 1 | Sample Date / Time: | 11/10/22 | 0920 |
|---|---|---|---|---|---|---|
| Product Depth (fbTOR): | - | Water Column (ft): | 3.86 | DTW when sampled: | 11.23 | |
| DTW (static) (fbTOR): | 11.21 | One Well Volume (gal): | 0.16 | Purpose: ☐ Development ☐ Sample ☑ Purge & Sample | | |
| Total Depth (fbTOR): | 15.07 | Total Volume Purged (gal): | 1.30 | Purge Method: | Peristaltic pump | |

| Time | | Water Level (fbTOR) | Acc. Volume (gallons) | pH (units) | Temp. (deg. C) | SC (uS) | Turbidity (NTU) | DO (mg/L) | ORP (mV) | Appearance & Odor |
|---|---|---|---|---|---|---|---|---|---|---|
| 0856 | 0 | Initial | - | 7.31 | 14.9 | 4845 | 913 | 6.20 | 184 | Turbid, no odor |
| 0902 | 1 | 11.23 | 0.20 | 7.32 | 15.5 | 4652 | 336 | 6.50 | 167 | Slightly less turbid, no odor |
| 0908 | 2 | 11.23 | 0.50 | 7.36 | 15.4 | 4641 | 146 | 6.43 | 145 | Clear, no odor |
| 0913 | 3 | 11.23 | 0.75 | 7.35 | 15.9 | 4621 | 146 | 6.23 | 147 | " " |
| | 4 | | | | | | | | | |
| | 5 | | | | | | | | | |
| | 6 | | | | | | | | | |
| | 7 | | | | | | | | | |
| | 8 | | | | | | | | | |
| | 9 | | | | | | | | | |
| | 10 | | | | | | | | | |
| **Sample Information:** | | | | | | | | | | |
| 0915 | S1 | 11.23 | 1.00 | 7.53 | 15.6 | 4649 | 33.9 | 6.23 | 137 | " " |
| 0924 | S2 | 11.23 | 1.30 | 7.35 | 16.3 | 4597 | 16.7 | 6.17 | 132 | " " |

| Well No. | PZ-6 | Diameter (inches) | 1 | Sample Date / Time: | 11/10/22 | 0845 |
|---|---|---|---|---|---|---|
| Product Depth (fbTOR): | - | Water Column (ft): | 6.23 | DTW when sampled: | 11.21 | |
| DTW (static) (fbTOR): | 11.22 | One Well Volume (gal): | 0.26 | Purpose: ☐ Development ☐ Sample ☑ Purge & Sample | | |
| Total Depth (fbTOR): | 17.45 | Total Volume Purged (gal): | 1.20 | Purge Method: | Peristaltic pump | |

| Time | | Water Level (fbTOR) | Acc. Volume (gallons) | pH (units) | Temp. (deg. C) | SC (uS) | Turbidity (NTU) | DO (mg/L) | ORP (mV) | Appearance & Odor |
|---|---|---|---|---|---|---|---|---|---|---|
| 0823 | 0 | Initial | - | 7.27 | 15.2 | 5005 | 95.1 | 6.89 | 191 | Clear, no odor |
| 0828 | 1 | 11.22 | 0.25 | 7.33 | 15.7 | 5033 | 61.0 | 6.95 | 168 | " " |
| 0833 | 2 | 11.21 | 0.50 | 7.33 | 16.1 | 5127 | 54.3 | 6.86 | 163 | " " |
| 0837 | 3 | 11.21 | 0.80 | 7.30 | 16.4 | 5152 | 20.1 | 6.26 | 162 | " " |
| | 4 | | | ~~7.30~~ | | ~~5~~ | | | | |
| | 5 | | | | | | | | | |
| | 6 | | | | | | | | | |
| | 7 | | | | | | | | | |
| | 8 | | | | | | | | | |
| | 9 | | | | | | | | | |
| | 10 | | | | | | | | | |
| **Sample Information:** | | | | | 16.3 | | | | | |
| 0840 | S1 | 11.21 | 1.00 | 7.30 | ~~5156~~ | 5156 | 14.1 | 6.20 | 163 | " " |
| 0846 | S2 | 11.21 | 1.20 | 7.33 | 14.9 | 5120 | 8.89 | 6.24 | 150 | " " |

**REMARKS:**

*Note: All water level measurements are in feet, distance from top of riser.*

Volume Calculation

| Diam. | Vol. (g/ft) |
|---|---|
| 1" | 0.041 |
| 2" | 0.163 |
| 4" | 0.653 |
| 6" | 1.469 |

Stabilization Criteria

| Parameter | Criteria |
|---|---|
| pH | ± 0.1 unit |
| SC | ± 3% |
| Turbidity | ± 10% |
| DO | ± 0.3 mg/L |
| ORP | ± 10 mV |

**PREPARED BY:** EAS

BENCHMARK

# GROUNDWATER FIELD FORM

Project Name: 275 Franklin/432 Pearl GWM & PRR
Location: 275 Franklin/432 Pearl
Project No.: B0156-022-001
Date: 11/10/22
Field Team: ES and KW

| Well No. | PZ-11 | Diameter (inches) | 1 | Sample Date / Time: | 11/10/22 | 1421 |
|---|---|---|---|---|---|---|
| Product Depth (fbTOR): | - | Water Column (ft): | 4.48 | DTW when sampled: | 10.7 | |
| DTW (static) (fbTOR): | ~~10.70~~ 10.70 | One Well Volume (gal): | 0.18 | Purpose: ☐ Development ☐ Sample ☑ Purge & Sample | | |
| Total Depth (fbTOR): | 15.18 | Total Volume Purged (gal): | 1.50 | Purge Method: | Peristaltic pump | |

| Time | | Water Level (fbTOR) | Acc. Volume (gallons) | pH (units) | Temp. (deg. C) | SC (uS) | Turbidity (NTU) | DO (mg/L) | ORP (mV) | Appearance & Odor |
|---|---|---|---|---|---|---|---|---|---|---|
| ~~1348~~ 1410 | 0 | Initial | - | 7.31 | 16.7 | 4474 | 288 | 2.84 | 218 | Slightly turbid, no odor |
| 1413 | 1 | 10.70 | 0.25 | 7.25 | 16.9 | 4314 | 90.7 | 3.01 | 192 | Clear, no odor |
| 1416 | 2 | 10.70 | 0.5 | 7.24 | 17.0 | 4284 | 25.5 | 3.00 | 179 | " " |
| 1418 | 3 | 10.70 | 0.8 | 7.27 | 17.0 | 4291 | 11.1 | 3.02 | 172 | " " |
| | 4 | | | | | | | | | |
| | 5 | | | | | | | | | |
| | 6 | | | | | | | | | |
| | 7 | | | | | | | | | |
| | 8 | | | | | | | | | |
| | 9 | | | | | | | | | |
| | 10 | | | | | | | | | |
| **Sample Information:** | | | | | | | | | | |
| 1419 | S1 | 10.70 | 1 | 7.26 | 17.1 | 4292 | 5.28 | 3.00 | 169 | " " |
| 1424 | S2 | 10.70 | 1.50 | 7.30 | 16.8 | 4278 | 5.30 | 3.04 | 156 | " " |

| Well No. | PZ-12 | Diameter (inches) | 1 | Sample Date / Time: | 11/10/22 | 1400 |
|---|---|---|---|---|---|---|
| Product Depth (fbTOR): | - | Water Column (ft): | 2.49 | DTW when sampled: | 10.89 | |
| DTW (static) (fbTOR): | 12.79 | One Well Volume (gal): | 0.10 | Purpose: ☐ Development ☐ Sample ☑ Purge & Sample | | |
| Total Depth (fbTOR): | 15.28 | Total Volume Purged (gal): | 0.5 | Purge Method: | Peristaltic pump | |

| Time | | Water Level (fbTOR) | Acc. Volume (gallons) | pH (units) | Temp. (deg. C) | SC (uS) | Turbidity (NTU) | DO (mg/L) | ORP (mV) | Appearance & Odor |
|---|---|---|---|---|---|---|---|---|---|---|
| 1348 | 0 | Initial | - | 7.38 | 15.2 | 3313 | 119 | 3.16 | 194 | Clear, no odor |
| 1352 | 1 | 10.83 | 0.1 | 7.26 | 16.1 | 3401 | 225 | 3.08 | 164 | " " |
| 1355 | 2 | 10.89 | 0.2 | 7.29 | 16.2 | 3528 | 143 | 3.02 | 160 | " " |
| 1357 | 3 | 10.89 | 0.3 | 7.30 | 16.0 | 3498 | 156 | 3.04 | 159 | " " |
| | 4 | | | | | | | | | |
| | 5 | | | | | | | | | |
| | 6 | | | | | | | | | |
| | 7 | | | | | | | | | |
| | 8 | | | | | | | | | |
| | 9 | | | | | | | | | |
| | 10 | | | | | | | | | |
| **Sample Information:** | | | | | | | | | | |
| 1358 | S1 | 10.89 | 0.5 | 7.30 | 16.2 | 3535 | 140 | 3.02 | 162 | " " |
| 1402 | S2 | 10.89 | 0.5 | 7.31 | 16.1 | 3499 | 140 | 3.04 | 164 | " " |

**REMARKS:**

*Note: All water level measurements are in feet, distance from top of riser.*

Volume Calculation

| Diam. | Vol. (g/ft) |
|---|---|
| 1" | 0.041 |
| 2" | 0.163 |
| 4" | 0.653 |
| 6" | 1.469 |

Stabilization Criteria

| Parameter | Criteria |
|---|---|
| pH | ± 0.1 unit |
| SC | ± 3% |
| Turbidity | ± 10% |
| DO | ± 0.3 mg/L |
| ORP | ± 10 mV |

**PREPARED BY:** EAS

BENCHMARK

# GROUNDWATER FIELD FORM

Project Name: 275 Franklin/432 Pearl GWM & PRR
Location: 275 Franklin/432 Pearl
Project No.: B0156-022-001
Date: 11/10/22
Field Team: ES and KW

| Well No. | PZ-13 | Diameter (inches) | 1 | Sample Date / Time: | 11/10/22 | 1121 |
|---|---|---|---|---|---|---|
| Product Depth (fbTOR): | - | Water Column (ft): | 2.23 | DTW when sampled: | 11.60 | |
| DTW (static) (fbTOR): | 11.20 | One Well Volume (gal): | 0.1 | Purpose: ☐ Development ☐ Sample ☑ Purge & Sample | | |
| Total Depth (fbTOR): | 13.43 | Total Volume Purged (gal): | 1.00 | Purge Method: | Peristaltic pump | |

| Time | | Water Level (fbTOR) | Acc. Volume (gallons) | pH (units) | Temp. (deg. C) | SC (uS) | Turbidity (NTU) | DO (mg/L) | ORP (mV) | Appearance & Odor |
|---|---|---|---|---|---|---|---|---|---|---|
| 1104 | 0 | Initial | - | 7.39 | 17.3 | 3105 | >1000 | 2.86 | -39 | Turbid, no odor |
| 1108 | 1 | 11.93 | 0.15 | 7.37 | 17.1 | 3198 | 359 | 3.30 | -9 | Less turbid, no odor |
| 1110 | 2 | 11.76 | 0.5 | 7.35 | 17.0 | 3234 | 317 | 2.07 | 3 | Slightly turbid, no odor |
| 1114 | 3 | 11.60 | 0.75 | 7.35 | 17.0 | 3196 | 93.1 | 2.60 | 21 | Clear, no odor |
| | 4 | | | | | | | | | |
| | 5 | | | | | | | | | |
| | 6 | | | | | | | | | |
| | 7 | | | | | | | | | |
| | 8 | | | | | | | | | |
| | 9 | | | | | | | | | |
| | 10 | | | | | | | | | |
| **Sample Information:** | | | | | | | | | | |
| 1120 | S1 | 11.60 | 1.00 | 7.34 | 16.9 | 3331 | 21.6 | ~~2.92~~ 2.60 | 6 | Clear, no odor |
| 1176 | S2 | 11.60 | 1.00 | 7.36 | 16.8 | 3217 | 20.8 | 2.20 | 10 | Clear, no odor |

| Well No. | PZ-14 | Diameter (inches) | 1 | Sample Date / Time: | 11/10/22 | 1154/11.36 |
|---|---|---|---|---|---|---|
| Product Depth (fbTOR): | - | Water Column (ft): | 4.39 | DTW when sampled: | 11.36 | |
| DTW (static) (fbTOR): | 10.50 | One Well Volume (gal): | 0.18 | Purpose: ☐ Development ☐ Sample ☑ Purge & Sample | | |
| Total Depth (fbTOR): | 14.89 | Total Volume Purged (gal): | 1.2 | Purge Method: | Peristaltic pump | |

| Time | | Water Level (fbTOR) | Acc. Volume (gallons) | pH (units) | Temp. (deg. C) | SC (uS) | Turbidity (NTU) | DO (mg/L) | ORP (mV) | Appearance & Odor |
|---|---|---|---|---|---|---|---|---|---|---|
| 1136 | 0 | Initial | - | 7.61 | 15.6 | 3364 | 225 | 2.81 | 11 | Slightly turbid, no odor |
| 1140 | 1 | ~~10.35~~ | .2 | 7.57 | 15.8 | 2559 | 225 | 3.37 | 79 | Slightly turbid, no odor |
| 1144 | 2 | 10.63 | .4 | 7.49 | 15.8 | 2542 | 16.2 | 2.21 | 39 | Clear, no odor |
| 1147 | 3 | 10.20 | .7 | 7.47 | 15.9 | 2475 | 13.1 | 2.18 | 32 | " " |
| | 4 | | | | | | | | | |
| | 5 | | | | | | | | | |
| | 6 | | | | | | | | | |
| | 7 | | | | | | | | | |
| | 8 | | | | | | | | | |
| | 9 | | | | | | | | | |
| | 10 | | | | | | | | | |
| **Sample Information:** | | | | | | | | | | |
| 1151 | S1 | 10.70 | 1.0 | 7.51 | 15.9 | 2502 | 7.88 | 2.15 | 63 | Clear, no odor |
| 1158 | S2 | 10.70 | 1.2 | 7.50 | 15.5 | 2602 | 3.81 | 2.15 | 54 | Clear, no odor |

**REMARKS:** PZ-14 = MS/MSD

*Note: All water level measurements are in feet, distance from top of riser.*

Volume Calculation

| Diam. | Vol. (g/ft) |
|---|---|
| 1" | 0.041 |
| 2" | 0.163 |
| 4" | 0.653 |
| 6" | 1.469 |

Stabilization Criteria

| Parameter | Criteria |
|---|---|
| pH | ± 0.1 unit |
| SC | ± 3% |
| Turbidity | ± 10% |
| DO | ± 0.3 mg/L |
| ORP | ± 10 mV |

**PREPARED BY:** EAS

BENCHMARK

# GROUNDWATER FIELD FORM

Project Name: 275 Franklin/432 Pearl GWM & PRR
Location: 275 Franklin/432 Pearl
Project No.: B0156-022-001
Date: 11/10/22
Field Team: ES and KW

| Well No. | MW-24S | Diameter (inches) | 2 | Sample Date / Time: | 11/10/22 | 1330 |
|---|---|---|---|---|---|---|
| Product Depth (fbTOR): | - | Water Column (ft): | 8 | DTW when sampled: | 11.12 | |
| DTW (static) (fbTOR): | 10.9 | One Well Volume (gal): | 1.3 | Purpose: ☐ Development ☐ Sample ☑ Purge & Sample | | |
| Total Depth (fbTOR): | 18.4 | Total Volume Purged (gal): | ~~3~~ 4.25 | Purge Method: | Low flow pumps | |

| Time | | Water Level (fbTOR) | Acc. Volume (gallons) | pH (units) | Temp. (deg. C) | SC (uS) | Turbidity (NTU) | DO (mg/L) | ORP (mV) | Appearance & Odor |
|---|---|---|---|---|---|---|---|---|---|---|
| 1323 | 0 | Initial | - | 7.34 | 14.5 | 3199 | 118 | 1.81 | 15 | clear, no odor |
| 1325 | 1 | 11.12 | 2 | 7.26 | 15.1 | 3204 | 38.5 | 2.01 | 24 | ↓ |
| 1326 | 2 | 11.12 | ~~3~~ | 7.32 | 15.3 | 3159 | 16.3 | 1.90 | 30 | |
| 1328 | 3 | 11.12 | 4.25 | 7.24 | 15.5 | 3162 | 39.9 | 2.01 | 32 | |
| | 4 | | | | | | | | | |
| | 5 | | | | | | | | | |
| | 6 | | | | | | | | | |
| | 7 | | | | | | | | | |
| | 8 | | | | | | | | | |
| | 9 | | | | | | | | | |
| | 10 | | | | | | | | | |
| **Sample Information:** | | | | | | | | | | |
| 1329 | S1 | 11.12 | 4.25 | 7.20 | 15.4 | 3177 | 28.0 | 1.82 | 34 | " " |
| 1332 | S2 | 11.12 | 4.25 | 7.2 | 15.3 | 3154 | 28.8 | 1.79 | 33 | " " |

| Well No. | MW-24D | Diameter (inches) | 2 | Sample Date / Time: | 11/10/22 | 13.12 |
|---|---|---|---|---|---|---|
| Product Depth (fbTOR): | - | Water Column (ft): | 35.81 | DTW when sampled: | 12.2 | |
| DTW (static) (fbTOR): | 11.60 | One Well Volume (gal): | 5.824 | Purpose: ☐ Development ☐ Sample ☑ Purge & Sample | | |
| Total Depth (fbTOR): | 47.41 | Total Volume Purged (gal): | 19 | Purge Method: | Low flow pumps | |

| Time | | Water Level (fbTOR) | Acc. Volume (gallons) | pH (units) | Temp. (deg. C) | SC (uS) | Turbidity (NTU) | DO (mg/L) | ORP (mV) | Appearance & Odor |
|---|---|---|---|---|---|---|---|---|---|---|
| 1250 | 0 | Initial | - | 7.27 | 14 | 2491 | 26.2 | 1.84 | -130 | clear; distinct sulfur odor |
| 1255 | 1 | 11.89 | 6 | 7.20 | 14.1 | 2397 | 11.4 | 1.61 | -111 | clear, chemical odor |
| 1300 | 2 | 12.2 | 12 | 7.18 | 13.9 | 2106 | 18.5 | 1.32 | -104 | clear, no odors |
| 1309 | 3 | 12.2 | 18 | 7.23 | 14.0 | 2401 | 5.9 | 1.44 | -89 | clear, no odors |
| | 4 | | | | | | | | | |
| | 5 | | | | | | | | | |
| | 6 | | | | | | | | | |
| | 7 | | | | | | | | | |
| | 8 | | | | | | | | | |
| | 9 | | | | | | | | | |
| | 10 | | | | | | | | | |
| **Sample Information:** | | | | | | | | | | |
| 1310 | S1 | 12.2 | 19 | 7.15 | 14.1 | 2399 | 7.24 | 1.2 | -94 | " " |
| 1315 | S2 | 12.2 | 19 | 7.17 | 14.1 | 2385 | 4.35 | 1.2 | -89 | " " |

**REMARKS:**

*Note: All water level measurements are in feet, distance from top of riser.*

Volume Calculation

| Diam. | Vol. (g/ft) |
|---|---|
| 1" | 0.041 |
| 2" | 0.163 |
| 4" | 0.653 |
| 6" | 1.469 |

Stabilization Criteria

| Parameter | Criteria |
|---|---|
| pH | ± 0.1 unit |
| SC | ± 3% |
| Turbidity | ± 10% |
| DO | ± 0.3 mg/L |
| ORP | ± 10 mV |

**PREPARED BY:** EDS

BENCHMARK

# GROUNDWATER FIELD FORM

Project Name: 275 Franklin/432 Pearl GWM & PRR
Location: 275 Franklin/432 Pearl
Project No.: B0156-022-001
Date: 11/10/22
Field Team: ES and KW

| Well No. | MW-23S | Diameter (inches) | 2 | Sample Date / Time: | 11/10/22 1235 |
|---|---|---|---|---|---|
| Product Depth (fbTOR): | ~~[illegible]~~ | Water Column (ft): | 7.51 | DTW when sampled: | 11.86 |
| DTW (static) (fbTOR): | 11.7 | One Well Volume (gal): | 1.22 | Purpose: ☐ Development ☐ Sample ☑ Purge & Sample | |
| Total Depth (fbTOR): | 18.58 | Total Volume Purged (gal): | ~4 | Purge Method: | Low flow pump |

| Time | | Water Level (fbTOR) | Acc. Volume (gallons) | pH (units) | Temp. (deg. C) | SC (uS) | Turbidity (NTU) | DO (mg/L) | ORP (mV) | Appearance & Odor |
|---|---|---|---|---|---|---|---|---|---|---|
| 1220 | 0 | Initial | - | 7.18 | 16.2 | 3504 | >1000 | 2.99 | 121 | Turbid, no odor |
| 1223 | 1 | 11.83 | 1.25 | 7.18 | 17.2 | 3575 | >1000 | 2.51 | 144 | Turbid, no odor |
| 1226 | 2 | 11.86 | 2.5 | 7.35 | 17.6 | 3702 | 910.1 | 2.32 | 169 | Clear, no odor |
| 1230 | 3 | 11.86 | 3.75 | 7.13 | 17.8 | 3751 | 40.4 | 2.08 | 149 | " |
| | 4 | | | | | | | | | |
| | 5 | | | | | | | | | |
| | 6 | | | | | | | | | |
| | 7 | | | | | | | | | |
| | 8 | | | | | | | | | |
| | 9 | | | | | | | | | |
| | 10 | | | | | | | | | |
| **Sample Information:** | | | | | | | | | | |
| 1232 | S1 | 11.86 | 3.80 | 7.24 | 17.5 | 3732 | 40.8 | 2.04 | 148 | clear, no odor |
| 1234 | S2 | 11.86 | 3.80 | 7.14 | 17.6 | 3753 | 40.9 | 2.03 | 140 | " " |

| Well No. | | Diameter (inches): | | Sample Date / Time: | |
|---|---|---|---|---|---|
| Product Depth (fbTOR): | | Water Column (ft): | | DTW when sampled: | |
| DTW (static) (fbTOR): | | One Well Volume (gal): | | Purpose: ☐ Development ☐ Sample ☐ Purge & Sample | |
| Total Depth (fbTOR): | | Total Volume Purged (gal): | | Purge Method: | |

| Time | | Water Level (fbTOR) | Acc. Volume (gallons) | pH (units) | Temp. (deg. C) | SC (uS) | Turbidity (NTU) | DO (mg/L) | ORP (mV) | Appearance & Odor |
|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | Initial | | | | | | | | |
| | 1 | | | | | | | | | |
| | 2 | | | | | | | | | |
| | 3 | | | | | | | | | |
| | 4 | | | | | | | | | |
| | 5 | | | | | | | | | |
| | 6 | | | | | | | | | |
| | 7 | | | | | | | | | |
| | 8 | | | | | | | | | |
| | 9 | | | | | | | | | |
| | 10 | | | | | | | | | |
| **Sample Information:** | | | | | | | | | | |
| | S1 | | | | | | | | | |
| | S2 | | | | | | | | | |

**REMARKS:**

*Note: All water level measurements are in feet, distance from top of riser.*

Volume Calculation

| Diam. | Vol. (g/ft) |
|---|---|
| 1" | 0.041 |
| 2" | 0.163 |
| 4" | 0.653 |
| 6" | 1.469 |

Stabilization Criteria

| Parameter | Criteria |
|---|---|
| pH | ± 0.1 unit |
| SC | ± 3% |
| Turbidity | ± 10% |
| DO | ± 0.3 mg/L |
| ORP | ± 10 mV |

**PREPARED BY:** EAS

BENCHMARK

# WATER LEVEL MONITORING RECORD

Project Name: 275 Franklin GWM
Project No.: B0156-022-001
Field Personnel: EAS, KW
Weather: Partly cloudy, 55°, no precip

Client: Buffalo Development Corp.
Location: Buffalo, NY
Date: 11/10/22

| Well No. | Time | Top of Riser Elevation (fmsl) | Static Depth to Water (fbTOR) | Groundwater Elevation (fmsl) | Total Depth (fbTOR) | Last Total Depth Measurement (fbTOR) |
|---|---|---|---|---|---|---|
| PZ-1 | Destroyed | | — | | | |
| PZ-2 | 0715 | | 12.15 | | | |
| PZ-3 | 0724 | | 11.64 | | | |
| PZ-4R | 1022 | | 11.85 | | | |
| PZ-5 | 0851 | | 11.21 | | | |
| PZ-6 | 0812 | | 11.22 | | | |
| PZ-7 | 0711 | | 12.89 | | | |
| PZ-8 | 0740 | | 12.20 | | | |
| PZ-9 | 0730 | | 11.51 | | | |
| PZ-10 | 0734 | | 11.29 | | | |
| PZ-11 | 1408 | | 10.70 | | | |
| PZ-12 | 1344 | | 10.79 | | | |
| PZ-13 | 1100 | | 11.20 | | | |
| PZ-14 | 1132 | | 10.5 | | | |
| MW-5R | 0938 | | 11.70 | | | |
| MW-23S | 1215 | | 11.70 | | | |
| MW-24S | 1320 | | 10.90 | | | |
| MW-24D | 1250 | | 11.60 | | | |

Comments/Remarks:

PREAPRED BY: EAS DATE: 11/10/22

BM MARK

# EQUIPMENT CALIBRATION LOG

**PROJECT INFORMATION:**

Project Name: **275 Franklin/432 Pearl GWM & PRR** Date: 11/10/22

Project No.: B0156-022-001

Client: Buffalo Development Corporation Instrument Source: [X] BM [ ] Rental

| METER TYPE | UNITS | TIME | MAKE/MODEL | SERIAL NUMBER | CAL. BY | STANDARD | POST CAL. READING | SETTINGS |
|---|---|---|---|---|---|---|---|---|
| [x] pH meter | units | 0746 | Myron L Company Ultra Meter 6P | 6213516 [ ]<br>6243084 [ ]<br>6212375 [x]<br>6243003 [ ]<br>6223973 [ ] | EAS | 4.00<br>7.00<br>10.01 | 3.99<br>7.02<br>10.00 | |
| [x] Turbidity meter | NTU | 0755 | Hach 2100P or 2100Q Turbidimeter | 06120C020523 (P) [ ]<br>13120C030432 (Q) [x]<br>17110C062619 (Q) [ ] | EAS | 10 NTU verification<br>< 0.4<br>20<br>100<br>800 | 10.1<br>—<br>20.2<br>98.1<br>788 | |
| [x] Sp. Cond. meter | uS<br>mS | 0752 | Myron L Company Ultra Meter 6P | 6213516 [ ]<br>6243084 [ ]<br>6212375 [x]<br>6243003 [ ]<br>6223973 [ ] | EAS | 1001 mS @ 25 °C | ~~1007~~<br>~~97.6% slope~~ | |
| [ ] PID | ppm | | MinRAE 2000 | | | open air zero<br>____ ppm Iso. Gas | | MIBK response factor = 1.0 |
| [x] Dissolved Oxygen | ppm | 0800 | HACH Model HQ30d | 080700023281 [ ]<br>100500041867 [x]<br>140200100319 [ ] | EAS | 100% Satuartion | 97.5%<br>slope | |
| [ ] Particulate meter | mg/m$^3$ | | | | | zero air | | |
| [ ] Radiation Meter | uR/H | | | | | background area | | |

**ADDITIONAL REMARKS:**

**PREPARED BY:** EAS **DATE:** 11/10/22

# ANALYTICAL REPORT

| | |
|---|---|
| Lab Number: | L2317820 |
| Client: | Benchmark & Turnkey Companies<br>2558 Hamburg Turnpike<br>Suite 300<br>Buffalo, NY 14218 |
| ATTN: | Lori Riker |
| Phone: | (716) 856-0599 |
| Project Name: | 275 FRANKLIN STREET SITE |
| Project Number: | B0156-022-001 |
| Report Date: | 04/12/23 |



Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

**Project Name:** 275 FRANKLIN STREET SITE
**Project Number:** B0156-022-001

**Lab Number:** L2317820
**Report Date:** 04/12/23

| Alpha Sample ID | Client ID | Matrix | Sample Location | Collection Date/Time | Receive Date |
|---|---|---|---|---|---|
| L2317820-01 | PZ-4R | WATER | BUFFALO, NY | 04/04/23 13:45 | 04/05/23 |
| L2317820-02 | MW-5R | WATER | BUFFALO, NY | 04/04/23 10:25 | 04/05/23 |
| L2317820-03 | PZ-5 | WATER | BUFFALO, NY | 04/04/23 12:34 | 04/05/23 |
| L2317820-04 | PZ-6 | WATER | BUFFALO, NY | 04/04/23 13:05 | 04/05/23 |
| L2317820-05 | PZ-11 | WATER | BUFFALO, NY | 04/04/23 12:00 | 04/05/23 |
| L2317820-06 | PZ-12 | WATER | BUFFALO, NY | 04/04/23 11:30 | 04/05/23 |
| L2317820-07 | PZ-13 | WATER | BUFFALO, NY | 04/04/23 10:50 | 04/05/23 |
| L2317820-08 | PZ-14 | WATER | BUFFALO, NY | 04/04/23 10:10 | 04/05/23 |
| L2317820-09 | MW-24D | WATER | BUFFALO, NY | 04/04/23 11:50 | 04/05/23 |
| L2317820-10 | MW-24S | WATER | BUFFALO, NY | 04/04/23 12:50 | 04/05/23 |
| L2317820-11 | BLIND DUP | WATER | BUFFALO, NY | 04/04/23 08:00 | 04/05/23 |
| L2317820-12 | MW-23S | WATER | BUFFALO, NY | 04/04/23 14:30 | 04/05/23 |
| L2317820-13 | TRIP BLANK | WATER | BUFFALO, NY | 04/04/23 00:00 | 04/05/23 |

| | | | |
|---|---|---|---|
| **Project Name:** | 275 FRANKLIN STREET SITE | **Lab Number:** | L2317820 |
| **Project Number:** | B0156-022-001 | **Report Date:** | 04/12/23 |

## Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

| | | | |
|---|---|---|---|
| **Project Name:** | 275 FRANKLIN STREET SITE | **Lab Number:** | L2317820 |
| **Project Number:** | B0156-022-001 | **Report Date:** | 04/12/23 |

**Case Narrative (continued)**

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics

The WG1765086-6/-7 MS/MSD recoveries, performed on L2317820-10, are outside the acceptance criteria for tetrachloroethene (0%/0%). The unacceptable percent recoveries are attributed to the elevated concentrations of target compounds present in the native sample.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Kelly O'Neill

Title: Technical Director/Representative Date: 04/12/23

# ORGANICS

# VOLATILES

**Project Name:** 275 FRANKLIN STREET SITE
**Project Number:** B0156-022-001
**Lab Number:** L2317820
**Report Date:** 04/12/23

## SAMPLE RESULTS

Lab ID: L2317820-01 D
Client ID: PZ-4R
Sample Location: BUFFALO, NY

Date Collected: 04/04/23 13:45
Date Received: 04/05/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 04/07/23 10:59
Analyst: PID

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Methylene chloride | ND | | ug/l | 25 | 7.0 | 10 |
| 1,1-Dichloroethane | ND | | ug/l | 25 | 7.0 | 10 |
| Chloroform | ND | | ug/l | 25 | 7.0 | 10 |
| Carbon tetrachloride | ND | | ug/l | 5.0 | 1.3 | 10 |
| 1,2-Dichloropropane | ND | | ug/l | 10 | 1.4 | 10 |
| Dibromochloromethane | ND | | ug/l | 5.0 | 1.5 | 10 |
| 1,1,2-Trichloroethane | ND | | ug/l | 15 | 5.0 | 10 |
| Tetrachloroethene | 860 | | ug/l | 5.0 | 1.8 | 10 |
| Chlorobenzene | ND | | ug/l | 25 | 7.0 | 10 |
| Trichlorofluoromethane | ND | | ug/l | 25 | 7.0 | 10 |
| 1,2-Dichloroethane | ND | | ug/l | 5.0 | 1.3 | 10 |
| 1,1,1-Trichloroethane | ND | | ug/l | 25 | 7.0 | 10 |
| Bromodichloromethane | ND | | ug/l | 5.0 | 1.9 | 10 |
| trans-1,3-Dichloropropene | ND | | ug/l | 5.0 | 1.6 | 10 |
| cis-1,3-Dichloropropene | ND | | ug/l | 5.0 | 1.4 | 10 |
| Bromoform | ND | | ug/l | 20 | 6.5 | 10 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/l | 5.0 | 1.7 | 10 |
| Benzene | ND | | ug/l | 5.0 | 1.6 | 10 |
| Toluene | ND | | ug/l | 25 | 7.0 | 10 |
| Ethylbenzene | ND | | ug/l | 25 | 7.0 | 10 |
| Chloromethane | ND | | ug/l | 25 | 7.0 | 10 |
| Bromomethane | ND | | ug/l | 25 | 7.0 | 10 |
| Vinyl chloride | ND | | ug/l | 10 | 0.71 | 10 |
| Chloroethane | ND | | ug/l | 25 | 7.0 | 10 |
| 1,1-Dichloroethene | ND | | ug/l | 5.0 | 1.7 | 10 |
| trans-1,2-Dichloroethene | ND | | ug/l | 25 | 7.0 | 10 |
| Trichloroethene | 14 | | ug/l | 5.0 | 1.8 | 10 |
| 1,2-Dichlorobenzene | ND | | ug/l | 25 | 7.0 | 10 |

**Project Name:** 275 FRANKLIN STREET SITE **Lab Number:** L2317820

**Project Number:** B0156-022-001 **Report Date:** 04/12/23

## SAMPLE RESULTS

Lab ID: L2317820-01 D Date Collected: 04/04/23 13:45

Client ID: PZ-4R Date Received: 04/05/23

Sample Location: BUFFALO, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by GC/MS - Westborough Lab** | | | | | | |
| 1,3-Dichlorobenzene | ND | | ug/l | 25 | 7.0 | 10 |
| 1,4-Dichlorobenzene | ND | | ug/l | 25 | 7.0 | 10 |
| Methyl tert butyl ether | ND | | ug/l | 25 | 7.0 | 10 |
| p/m-Xylene | ND | | ug/l | 25 | 7.0 | 10 |
| o-Xylene | ND | | ug/l | 25 | 7.0 | 10 |
| cis-1,2-Dichloroethene | 11 | J | ug/l | 25 | 7.0 | 10 |
| Styrene | ND | | ug/l | 25 | 7.0 | 10 |
| Dichlorodifluoromethane | ND | | ug/l | 50 | 10. | 10 |
| Acetone | ND | | ug/l | 50 | 15. | 10 |
| Carbon disulfide | ND | | ug/l | 50 | 10. | 10 |
| 2-Butanone | ND | | ug/l | 50 | 19. | 10 |
| 4-Methyl-2-pentanone | ND | | ug/l | 50 | 10. | 10 |
| 2-Hexanone | ND | | ug/l | 50 | 10. | 10 |
| Bromochloromethane | ND | | ug/l | 25 | 7.0 | 10 |
| 1,2-Dibromoethane | ND | | ug/l | 20 | 6.5 | 10 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/l | 25 | 7.0 | 10 |
| Isopropylbenzene | ND | | ug/l | 25 | 7.0 | 10 |
| 1,2,3-Trichlorobenzene | ND | | ug/l | 25 | 7.0 | 10 |
| 1,2,4-Trichlorobenzene | ND | | ug/l | 25 | 7.0 | 10 |
| Methyl Acetate | ND | | ug/l | 20 | 2.3 | 10 |
| Cyclohexane | ND | | ug/l | 100 | 2.7 | 10 |
| 1,4-Dioxane | ND | | ug/l | 2500 | 610 | 10 |
| Freon-113 | ND | | ug/l | 25 | 7.0 | 10 |
| Methyl cyclohexane | ND | | ug/l | 100 | 4.0 | 10 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 104 | | 70-130 |
| Toluene-d8 | 101 | | 70-130 |
| 4-Bromofluorobenzene | 92 | | 70-130 |
| Dibromofluoromethane | 104 | | 70-130 |

**Project Name:** 275 FRANKLIN STREET SITE **Lab Number:** L2317820

**Project Number:** B0156-022-001 **Report Date:** 04/12/23

## SAMPLE RESULTS

Lab ID: L2317820-02 D
Client ID: MW-5R
Sample Location: BUFFALO, NY

Date Collected: 04/04/23 10:25
Date Received: 04/05/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 04/08/23 01:19
Analyst: PID

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Methylene chloride | ND | | ug/l | 12 | 3.5 | 5 |
| 1,1-Dichloroethane | ND | | ug/l | 12 | 3.5 | 5 |
| Chloroform | ND | | ug/l | 12 | 3.5 | 5 |
| Carbon tetrachloride | ND | | ug/l | 2.5 | 0.67 | 5 |
| 1,2-Dichloropropane | ND | | ug/l | 5.0 | 0.68 | 5 |
| Dibromochloromethane | ND | | ug/l | 2.5 | 0.74 | 5 |
| 1,1,2-Trichloroethane | ND | | ug/l | 7.5 | 2.5 | 5 |
| Tetrachloroethene | 710 | | ug/l | 2.5 | 0.90 | 5 |
| Chlorobenzene | ND | | ug/l | 12 | 3.5 | 5 |
| Trichlorofluoromethane | ND | | ug/l | 12 | 3.5 | 5 |
| 1,2-Dichloroethane | ND | | ug/l | 2.5 | 0.66 | 5 |
| 1,1,1-Trichloroethane | ND | | ug/l | 12 | 3.5 | 5 |
| Bromodichloromethane | ND | | ug/l | 2.5 | 0.96 | 5 |
| trans-1,3-Dichloropropene | ND | | ug/l | 2.5 | 0.82 | 5 |
| cis-1,3-Dichloropropene | ND | | ug/l | 2.5 | 0.72 | 5 |
| Bromoform | ND | | ug/l | 10 | 3.2 | 5 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/l | 2.5 | 0.84 | 5 |
| Benzene | ND | | ug/l | 2.5 | 0.80 | 5 |
| Toluene | ND | | ug/l | 12 | 3.5 | 5 |
| Ethylbenzene | ND | | ug/l | 12 | 3.5 | 5 |
| Chloromethane | ND | | ug/l | 12 | 3.5 | 5 |
| Bromomethane | ND | | ug/l | 12 | 3.5 | 5 |
| Vinyl chloride | ND | | ug/l | 5.0 | 0.36 | 5 |
| Chloroethane | ND | | ug/l | 12 | 3.5 | 5 |
| 1,1-Dichloroethene | ND | | ug/l | 2.5 | 0.84 | 5 |
| trans-1,2-Dichloroethene | ND | | ug/l | 12 | 3.5 | 5 |
| Trichloroethene | 140 | | ug/l | 2.5 | 0.88 | 5 |
| 1,2-Dichlorobenzene | ND | | ug/l | 12 | 3.5 | 5 |

**Project Name:** 275 FRANKLIN STREET SITE **Lab Number:** L2317820

**Project Number:** B0156-022-001 **Report Date:** 04/12/23

## SAMPLE RESULTS

Lab ID: L2317820-02 D Date Collected: 04/04/23 10:25
Client ID: MW-5R Date Received: 04/05/23
Sample Location: BUFFALO, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by GC/MS - Westborough Lab** | | | | | | |
| 1,3-Dichlorobenzene | ND | | ug/l | 12 | 3.5 | 5 |
| 1,4-Dichlorobenzene | ND | | ug/l | 12 | 3.5 | 5 |
| Methyl tert butyl ether | ND | | ug/l | 12 | 3.5 | 5 |
| p/m-Xylene | ND | | ug/l | 12 | 3.5 | 5 |
| o-Xylene | ND | | ug/l | 12 | 3.5 | 5 |
| cis-1,2-Dichloroethene | 200 | | ug/l | 12 | 3.5 | 5 |
| Styrene | ND | | ug/l | 12 | 3.5 | 5 |
| Dichlorodifluoromethane | ND | | ug/l | 25 | 5.0 | 5 |
| Acetone | ND | | ug/l | 25 | 7.3 | 5 |
| Carbon disulfide | ND | | ug/l | 25 | 5.0 | 5 |
| 2-Butanone | ND | | ug/l | 25 | 9.7 | 5 |
| 4-Methyl-2-pentanone | ND | | ug/l | 25 | 5.0 | 5 |
| 2-Hexanone | ND | | ug/l | 25 | 5.0 | 5 |
| Bromochloromethane | ND | | ug/l | 12 | 3.5 | 5 |
| 1,2-Dibromoethane | ND | | ug/l | 10 | 3.2 | 5 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/l | 12 | 3.5 | 5 |
| Isopropylbenzene | ND | | ug/l | 12 | 3.5 | 5 |
| 1,2,3-Trichlorobenzene | ND | | ug/l | 12 | 3.5 | 5 |
| 1,2,4-Trichlorobenzene | ND | | ug/l | 12 | 3.5 | 5 |
| Methyl Acetate | ND | | ug/l | 10 | 1.2 | 5 |
| Cyclohexane | ND | | ug/l | 50 | 1.4 | 5 |
| 1,4-Dioxane | ND | | ug/l | 1200 | 300 | 5 |
| Freon-113 | ND | | ug/l | 12 | 3.5 | 5 |
| Methyl cyclohexane | ND | | ug/l | 50 | 2.0 | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 100 | | 70-130 |
| Toluene-d8 | 99 | | 70-130 |
| 4-Bromofluorobenzene | 104 | | 70-130 |
| Dibromofluoromethane | 101 | | 70-130 |

**Project Name:** 275 FRANKLIN STREET SITE **Lab Number:** L2317820

**Project Number:** B0156-022-001 **Report Date:** 04/12/23

## SAMPLE RESULTS

Lab ID: L2317820-03 D
Client ID: PZ-5
Sample Location: BUFFALO, NY

Date Collected: 04/04/23 12:34
Date Received: 04/05/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 04/07/23 11:43
Analyst: PID

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Methylene chloride | ND | | ug/l | 5.0 | 1.4 | 2 |
| 1,1-Dichloroethane | ND | | ug/l | 5.0 | 1.4 | 2 |
| Chloroform | ND | | ug/l | 5.0 | 1.4 | 2 |
| Carbon tetrachloride | ND | | ug/l | 1.0 | 0.27 | 2 |
| 1,2-Dichloropropane | ND | | ug/l | 2.0 | 0.27 | 2 |
| Dibromochloromethane | ND | | ug/l | 1.0 | 0.30 | 2 |
| 1,1,2-Trichloroethane | ND | | ug/l | 3.0 | 1.0 | 2 |
| Tetrachloroethene | 210 | | ug/l | 1.0 | 0.36 | 2 |
| Chlorobenzene | ND | | ug/l | 5.0 | 1.4 | 2 |
| Trichlorofluoromethane | ND | | ug/l | 5.0 | 1.4 | 2 |
| 1,2-Dichloroethane | ND | | ug/l | 1.0 | 0.26 | 2 |
| 1,1,1-Trichloroethane | ND | | ug/l | 5.0 | 1.4 | 2 |
| Bromodichloromethane | ND | | ug/l | 1.0 | 0.38 | 2 |
| trans-1,3-Dichloropropene | ND | | ug/l | 1.0 | 0.33 | 2 |
| cis-1,3-Dichloropropene | ND | | ug/l | 1.0 | 0.29 | 2 |
| Bromoform | ND | | ug/l | 4.0 | 1.3 | 2 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/l | 1.0 | 0.33 | 2 |
| Benzene | ND | | ug/l | 1.0 | 0.32 | 2 |
| Toluene | ND | | ug/l | 5.0 | 1.4 | 2 |
| Ethylbenzene | ND | | ug/l | 5.0 | 1.4 | 2 |
| Chloromethane | ND | | ug/l | 5.0 | 1.4 | 2 |
| Bromomethane | ND | | ug/l | 5.0 | 1.4 | 2 |
| Vinyl chloride | ND | | ug/l | 2.0 | 0.14 | 2 |
| Chloroethane | ND | | ug/l | 5.0 | 1.4 | 2 |
| 1,1-Dichloroethene | ND | | ug/l | 1.0 | 0.34 | 2 |
| trans-1,2-Dichloroethene | ND | | ug/l | 5.0 | 1.4 | 2 |
| Trichloroethene | ND | | ug/l | 1.0 | 0.35 | 2 |
| 1,2-Dichlorobenzene | ND | | ug/l | 5.0 | 1.4 | 2 |

**Project Name:** 275 FRANKLIN STREET SITE **Lab Number:** L2317820

**Project Number:** B0156-022-001 **Report Date:** 04/12/23

## SAMPLE RESULTS

Lab ID: L2317820-03 D
Client ID: PZ-5
Sample Location: BUFFALO, NY

Date Collected: 04/04/23 12:34
Date Received: 04/05/23
Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by GC/MS - Westborough Lab** | | | | | | |
| 1,3-Dichlorobenzene | ND | | ug/l | 5.0 | 1.4 | 2 |
| 1,4-Dichlorobenzene | ND | | ug/l | 5.0 | 1.4 | 2 |
| Methyl tert butyl ether | ND | | ug/l | 5.0 | 1.4 | 2 |
| p/m-Xylene | ND | | ug/l | 5.0 | 1.4 | 2 |
| o-Xylene | ND | | ug/l | 5.0 | 1.4 | 2 |
| cis-1,2-Dichloroethene | ND | | ug/l | 5.0 | 1.4 | 2 |
| Styrene | ND | | ug/l | 5.0 | 1.4 | 2 |
| Dichlorodifluoromethane | ND | | ug/l | 10 | 2.0 | 2 |
| Acetone | ND | | ug/l | 10 | 2.9 | 2 |
| Carbon disulfide | ND | | ug/l | 10 | 2.0 | 2 |
| 2-Butanone | ND | | ug/l | 10 | 3.9 | 2 |
| 4-Methyl-2-pentanone | ND | | ug/l | 10 | 2.0 | 2 |
| 2-Hexanone | ND | | ug/l | 10 | 2.0 | 2 |
| Bromochloromethane | ND | | ug/l | 5.0 | 1.4 | 2 |
| 1,2-Dibromoethane | ND | | ug/l | 4.0 | 1.3 | 2 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/l | 5.0 | 1.4 | 2 |
| Isopropylbenzene | ND | | ug/l | 5.0 | 1.4 | 2 |
| 1,2,3-Trichlorobenzene | ND | | ug/l | 5.0 | 1.4 | 2 |
| 1,2,4-Trichlorobenzene | ND | | ug/l | 5.0 | 1.4 | 2 |
| Methyl Acetate | ND | | ug/l | 4.0 | 0.47 | 2 |
| Cyclohexane | ND | | ug/l | 20 | 0.54 | 2 |
| 1,4-Dioxane | ND | | ug/l | 500 | 120 | 2 |
| Freon-113 | ND | | ug/l | 5.0 | 1.4 | 2 |
| Methyl cyclohexane | ND | | ug/l | 20 | 0.79 | 2 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 103 | | 70-130 |
| Toluene-d8 | 101 | | 70-130 |
| 4-Bromofluorobenzene | 93 | | 70-130 |
| Dibromofluoromethane | 99 | | 70-130 |

**Project Name:** 275 FRANKLIN STREET SITE
**Project Number:** B0156-022-001
**Lab Number:** L2317820
**Report Date:** 04/12/23

## SAMPLE RESULTS

Lab ID: L2317820-04
Client ID: PZ-6
Sample Location: BUFFALO, NY

Date Collected: 04/04/23 13:05
Date Received: 04/05/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 04/08/23 00:57
Analyst: PID

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Methylene chloride | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,1-Dichloroethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Chloroform | 0.97 | J | ug/l | 2.5 | 0.70 | 1 |
| Carbon tetrachloride | ND | | ug/l | 0.50 | 0.13 | 1 |
| 1,2-Dichloropropane | ND | | ug/l | 1.0 | 0.14 | 1 |
| Dibromochloromethane | ND | | ug/l | 0.50 | 0.15 | 1 |
| 1,1,2-Trichloroethane | ND | | ug/l | 1.5 | 0.50 | 1 |
| Tetrachloroethene | 170 | | ug/l | 0.50 | 0.18 | 1 |
| Chlorobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Trichlorofluoromethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,2-Dichloroethane | ND | | ug/l | 0.50 | 0.13 | 1 |
| 1,1,1-Trichloroethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Bromodichloromethane | ND | | ug/l | 0.50 | 0.19 | 1 |
| trans-1,3-Dichloropropene | ND | | ug/l | 0.50 | 0.16 | 1 |
| cis-1,3-Dichloropropene | ND | | ug/l | 0.50 | 0.14 | 1 |
| Bromoform | ND | | ug/l | 2.0 | 0.65 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/l | 0.50 | 0.17 | 1 |
| Benzene | ND | | ug/l | 0.50 | 0.16 | 1 |
| Toluene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Ethylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Chloromethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Bromomethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Vinyl chloride | ND | | ug/l | 1.0 | 0.07 | 1 |
| Chloroethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,1-Dichloroethene | ND | | ug/l | 0.50 | 0.17 | 1 |
| trans-1,2-Dichloroethene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Trichloroethene | 0.76 | | ug/l | 0.50 | 0.18 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |

**Project Name:** 275 FRANKLIN STREET SITE **Lab Number:** L2317820

**Project Number:** B0156-022-001 **Report Date:** 04/12/23

## SAMPLE RESULTS

Lab ID: L2317820-04 Date Collected: 04/04/23 13:05

Client ID: PZ-6 Date Received: 04/05/23

Sample Location: BUFFALO, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by GC/MS - Westborough Lab** | | | | | | |
| 1,3-Dichlorobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Methyl tert butyl ether | ND | | ug/l | 2.5 | 0.70 | 1 |
| p/m-Xylene | ND | | ug/l | 2.5 | 0.70 | 1 |
| o-Xylene | ND | | ug/l | 2.5 | 0.70 | 1 |
| cis-1,2-Dichloroethene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Styrene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Dichlorodifluoromethane | ND | | ug/l | 5.0 | 1.0 | 1 |
| Acetone | ND | | ug/l | 5.0 | 1.5 | 1 |
| Carbon disulfide | ND | | ug/l | 5.0 | 1.0 | 1 |
| 2-Butanone | ND | | ug/l | 5.0 | 1.9 | 1 |
| 4-Methyl-2-pentanone | ND | | ug/l | 5.0 | 1.0 | 1 |
| 2-Hexanone | ND | | ug/l | 5.0 | 1.0 | 1 |
| Bromochloromethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,2-Dibromoethane | ND | | ug/l | 2.0 | 0.65 | 1 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Isopropylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,2,3-Trichlorobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Methyl Acetate | ND | | ug/l | 2.0 | 0.23 | 1 |
| Cyclohexane | ND | | ug/l | 10 | 0.27 | 1 |
| 1,4-Dioxane | ND | | ug/l | 250 | 61. | 1 |
| Freon-113 | ND | | ug/l | 2.5 | 0.70 | 1 |
| Methyl cyclohexane | ND | | ug/l | 10 | 0.40 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 101 | | 70-130 |
| Toluene-d8 | 98 | | 70-130 |
| 4-Bromofluorobenzene | 103 | | 70-130 |
| Dibromofluoromethane | 99 | | 70-130 |

**Project Name:** 275 FRANKLIN STREET SITE
**Project Number:** B0156-022-001
**Lab Number:** L2317820
**Report Date:** 04/12/23

## SAMPLE RESULTS

Lab ID: L2317820-05 D
Client ID: PZ-11
Sample Location: BUFFALO, NY

Date Collected: 04/04/23 12:00
Date Received: 04/05/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 04/07/23 12:27
Analyst: PID

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Methylene chloride | ND | | ug/l | 25 | 7.0 | 10 |
| 1,1-Dichloroethane | ND | | ug/l | 25 | 7.0 | 10 |
| Chloroform | ND | | ug/l | 25 | 7.0 | 10 |
| Carbon tetrachloride | ND | | ug/l | 5.0 | 1.3 | 10 |
| 1,2-Dichloropropane | ND | | ug/l | 10 | 1.4 | 10 |
| Dibromochloromethane | ND | | ug/l | 5.0 | 1.5 | 10 |
| 1,1,2-Trichloroethane | ND | | ug/l | 15 | 5.0 | 10 |
| Tetrachloroethene | 1200 | | ug/l | 5.0 | 1.8 | 10 |
| Chlorobenzene | ND | | ug/l | 25 | 7.0 | 10 |
| Trichlorofluoromethane | ND | | ug/l | 25 | 7.0 | 10 |
| 1,2-Dichloroethane | ND | | ug/l | 5.0 | 1.3 | 10 |
| 1,1,1-Trichloroethane | ND | | ug/l | 25 | 7.0 | 10 |
| Bromodichloromethane | ND | | ug/l | 5.0 | 1.9 | 10 |
| trans-1,3-Dichloropropene | ND | | ug/l | 5.0 | 1.6 | 10 |
| cis-1,3-Dichloropropene | ND | | ug/l | 5.0 | 1.4 | 10 |
| Bromoform | ND | | ug/l | 20 | 6.5 | 10 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/l | 5.0 | 1.7 | 10 |
| Benzene | ND | | ug/l | 5.0 | 1.6 | 10 |
| Toluene | ND | | ug/l | 25 | 7.0 | 10 |
| Ethylbenzene | ND | | ug/l | 25 | 7.0 | 10 |
| Chloromethane | ND | | ug/l | 25 | 7.0 | 10 |
| Bromomethane | ND | | ug/l | 25 | 7.0 | 10 |
| Vinyl chloride | ND | | ug/l | 10 | 0.71 | 10 |
| Chloroethane | ND | | ug/l | 25 | 7.0 | 10 |
| 1,1-Dichloroethene | ND | | ug/l | 5.0 | 1.7 | 10 |
| trans-1,2-Dichloroethene | ND | | ug/l | 25 | 7.0 | 10 |
| Trichloroethene | 5.3 | | ug/l | 5.0 | 1.8 | 10 |
| 1,2-Dichlorobenzene | ND | | ug/l | 25 | 7.0 | 10 |

**Project Name:** 275 FRANKLIN STREET SITE **Lab Number:** L2317820

**Project Number:** B0156-022-001 **Report Date:** 04/12/23

## SAMPLE RESULTS

Lab ID: L2317820-05 D
Client ID: PZ-11
Sample Location: BUFFALO, NY

Date Collected: 04/04/23 12:00
Date Received: 04/05/23
Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by GC/MS - Westborough Lab** | | | | | | |
| 1,3-Dichlorobenzene | ND | | ug/l | 25 | 7.0 | 10 |
| 1,4-Dichlorobenzene | ND | | ug/l | 25 | 7.0 | 10 |
| Methyl tert butyl ether | ND | | ug/l | 25 | 7.0 | 10 |
| p/m-Xylene | ND | | ug/l | 25 | 7.0 | 10 |
| o-Xylene | ND | | ug/l | 25 | 7.0 | 10 |
| cis-1,2-Dichloroethene | 11 | J | ug/l | 25 | 7.0 | 10 |
| Styrene | ND | | ug/l | 25 | 7.0 | 10 |
| Dichlorodifluoromethane | ND | | ug/l | 50 | 10. | 10 |
| Acetone | ND | | ug/l | 50 | 15. | 10 |
| Carbon disulfide | ND | | ug/l | 50 | 10. | 10 |
| 2-Butanone | ND | | ug/l | 50 | 19. | 10 |
| 4-Methyl-2-pentanone | ND | | ug/l | 50 | 10. | 10 |
| 2-Hexanone | ND | | ug/l | 50 | 10. | 10 |
| Bromochloromethane | ND | | ug/l | 25 | 7.0 | 10 |
| 1,2-Dibromoethane | ND | | ug/l | 20 | 6.5 | 10 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/l | 25 | 7.0 | 10 |
| Isopropylbenzene | ND | | ug/l | 25 | 7.0 | 10 |
| 1,2,3-Trichlorobenzene | ND | | ug/l | 25 | 7.0 | 10 |
| 1,2,4-Trichlorobenzene | ND | | ug/l | 25 | 7.0 | 10 |
| Methyl Acetate | ND | | ug/l | 20 | 2.3 | 10 |
| Cyclohexane | ND | | ug/l | 100 | 2.7 | 10 |
| 1,4-Dioxane | ND | | ug/l | 2500 | 610 | 10 |
| Freon-113 | ND | | ug/l | 25 | 7.0 | 10 |
| Methyl cyclohexane | ND | | ug/l | 100 | 4.0 | 10 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 104 | | 70-130 |
| Toluene-d8 | 100 | | 70-130 |
| 4-Bromofluorobenzene | 91 | | 70-130 |
| Dibromofluoromethane | 104 | | 70-130 |

**Project Name:** 275 FRANKLIN STREET SITE **Lab Number:** L2317820

**Project Number:** B0156-022-001 **Report Date:** 04/12/23

## SAMPLE RESULTS

Lab ID: L2317820-06 D
Client ID: PZ-12
Sample Location: BUFFALO, NY

Date Collected: 04/04/23 11:30
Date Received: 04/05/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 04/07/23 12:49
Analyst: PID

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Methylene chloride | ND | | ug/l | 62 | 18. | 25 |
| 1,1-Dichloroethane | ND | | ug/l | 62 | 18. | 25 |
| Chloroform | ND | | ug/l | 62 | 18. | 25 |
| Carbon tetrachloride | ND | | ug/l | 12 | 3.4 | 25 |
| 1,2-Dichloropropane | ND | | ug/l | 25 | 3.4 | 25 |
| Dibromochloromethane | ND | | ug/l | 12 | 3.7 | 25 |
| 1,1,2-Trichloroethane | ND | | ug/l | 38 | 12. | 25 |
| Tetrachloroethene | 2800 | | ug/l | 12 | 4.5 | 25 |
| Chlorobenzene | ND | | ug/l | 62 | 18. | 25 |
| Trichlorofluoromethane | ND | | ug/l | 62 | 18. | 25 |
| 1,2-Dichloroethane | ND | | ug/l | 12 | 3.3 | 25 |
| 1,1,1-Trichloroethane | ND | | ug/l | 62 | 18. | 25 |
| Bromodichloromethane | ND | | ug/l | 12 | 4.8 | 25 |
| trans-1,3-Dichloropropene | ND | | ug/l | 12 | 4.1 | 25 |
| cis-1,3-Dichloropropene | ND | | ug/l | 12 | 3.6 | 25 |
| Bromoform | ND | | ug/l | 50 | 16. | 25 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/l | 12 | 4.2 | 25 |
| Benzene | ND | | ug/l | 12 | 4.0 | 25 |
| Toluene | ND | | ug/l | 62 | 18. | 25 |
| Ethylbenzene | ND | | ug/l | 62 | 18. | 25 |
| Chloromethane | ND | | ug/l | 62 | 18. | 25 |
| Bromomethane | ND | | ug/l | 62 | 18. | 25 |
| Vinyl chloride | ND | | ug/l | 25 | 1.8 | 25 |
| Chloroethane | ND | | ug/l | 62 | 18. | 25 |
| 1,1-Dichloroethene | ND | | ug/l | 12 | 4.2 | 25 |
| trans-1,2-Dichloroethene | ND | | ug/l | 62 | 18. | 25 |
| Trichloroethene | 7.5 | J | ug/l | 12 | 4.4 | 25 |
| 1,2-Dichlorobenzene | ND | | ug/l | 62 | 18. | 25 |

**Project Name:** 275 FRANKLIN STREET SITE **Lab Number:** L2317820

**Project Number:** B0156-022-001 **Report Date:** 04/12/23

## SAMPLE RESULTS

Lab ID: L2317820-06 D
Client ID: PZ-12
Sample Location: BUFFALO, NY

Date Collected: 04/04/23 11:30
Date Received: 04/05/23
Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by GC/MS - Westborough Lab** | | | | | | |
| 1,3-Dichlorobenzene | ND | | ug/l | 62 | 18. | 25 |
| 1,4-Dichlorobenzene | ND | | ug/l | 62 | 18. | 25 |
| Methyl tert butyl ether | ND | | ug/l | 62 | 18. | 25 |
| p/m-Xylene | ND | | ug/l | 62 | 18. | 25 |
| o-Xylene | ND | | ug/l | 62 | 18. | 25 |
| cis-1,2-Dichloroethene | ND | | ug/l | 62 | 18. | 25 |
| Styrene | ND | | ug/l | 62 | 18. | 25 |
| Dichlorodifluoromethane | ND | | ug/l | 120 | 25. | 25 |
| Acetone | ND | | ug/l | 120 | 36. | 25 |
| Carbon disulfide | ND | | ug/l | 120 | 25. | 25 |
| 2-Butanone | ND | | ug/l | 120 | 48. | 25 |
| 4-Methyl-2-pentanone | ND | | ug/l | 120 | 25. | 25 |
| 2-Hexanone | ND | | ug/l | 120 | 25. | 25 |
| Bromochloromethane | ND | | ug/l | 62 | 18. | 25 |
| 1,2-Dibromoethane | ND | | ug/l | 50 | 16. | 25 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/l | 62 | 18. | 25 |
| Isopropylbenzene | ND | | ug/l | 62 | 18. | 25 |
| 1,2,3-Trichlorobenzene | ND | | ug/l | 62 | 18. | 25 |
| 1,2,4-Trichlorobenzene | ND | | ug/l | 62 | 18. | 25 |
| Methyl Acetate | ND | | ug/l | 50 | 5.8 | 25 |
| Cyclohexane | ND | | ug/l | 250 | 6.8 | 25 |
| 1,4-Dioxane | ND | | ug/l | 6200 | 1500 | 25 |
| Freon-113 | ND | | ug/l | 62 | 18. | 25 |
| Methyl cyclohexane | ND | | ug/l | 250 | 9.9 | 25 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 106 | | 70-130 |
| Toluene-d8 | 100 | | 70-130 |
| 4-Bromofluorobenzene | 90 | | 70-130 |
| Dibromofluoromethane | 103 | | 70-130 |

**Project Name:** 275 FRANKLIN STREET SITE
**Project Number:** B0156-022-001
**Lab Number:** L2317820
**Report Date:** 04/12/23

## SAMPLE RESULTS

Lab ID: L2317820-07
Client ID: PZ-13
Sample Location: BUFFALO, NY

Date Collected: 04/04/23 10:50
Date Received: 04/05/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 04/07/23 13:11
Analyst: PID

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Methylene chloride | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,1-Dichloroethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Chloroform | ND | | ug/l | 2.5 | 0.70 | 1 |
| Carbon tetrachloride | ND | | ug/l | 0.50 | 0.13 | 1 |
| 1,2-Dichloropropane | ND | | ug/l | 1.0 | 0.14 | 1 |
| Dibromochloromethane | ND | | ug/l | 0.50 | 0.15 | 1 |
| 1,1,2-Trichloroethane | ND | | ug/l | 1.5 | 0.50 | 1 |
| Tetrachloroethene | 41 | | ug/l | 0.50 | 0.18 | 1 |
| Chlorobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Trichlorofluoromethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,2-Dichloroethane | ND | | ug/l | 0.50 | 0.13 | 1 |
| 1,1,1-Trichloroethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Bromodichloromethane | ND | | ug/l | 0.50 | 0.19 | 1 |
| trans-1,3-Dichloropropene | ND | | ug/l | 0.50 | 0.16 | 1 |
| cis-1,3-Dichloropropene | ND | | ug/l | 0.50 | 0.14 | 1 |
| Bromoform | ND | | ug/l | 2.0 | 0.65 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/l | 0.50 | 0.17 | 1 |
| Benzene | ND | | ug/l | 0.50 | 0.16 | 1 |
| Toluene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Ethylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Chloromethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Bromomethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Vinyl chloride | 3.7 | | ug/l | 1.0 | 0.07 | 1 |
| Chloroethane | 0.72 | J | ug/l | 2.5 | 0.70 | 1 |
| 1,1-Dichloroethene | ND | | ug/l | 0.50 | 0.17 | 1 |
| trans-1,2-Dichloroethene | 2.2 | J | ug/l | 2.5 | 0.70 | 1 |
| Trichloroethene | 11 | | ug/l | 0.50 | 0.18 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |

**Project Name:** 275 FRANKLIN STREET SITE **Lab Number:** L2317820

**Project Number:** B0156-022-001 **Report Date:** 04/12/23

## SAMPLE RESULTS

Lab ID: L2317820-07 Date Collected: 04/04/23 10:50

Client ID: PZ-13 Date Received: 04/05/23

Sample Location: BUFFALO, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by GC/MS - Westborough Lab** | | | | | | |
| 1,3-Dichlorobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Methyl tert butyl ether | ND | | ug/l | 2.5 | 0.70 | 1 |
| p/m-Xylene | ND | | ug/l | 2.5 | 0.70 | 1 |
| o-Xylene | ND | | ug/l | 2.5 | 0.70 | 1 |
| cis-1,2-Dichloroethene | 17 | | ug/l | 2.5 | 0.70 | 1 |
| Styrene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Dichlorodifluoromethane | ND | | ug/l | 5.0 | 1.0 | 1 |
| Acetone | ND | | ug/l | 5.0 | 1.5 | 1 |
| Carbon disulfide | ND | | ug/l | 5.0 | 1.0 | 1 |
| 2-Butanone | ND | | ug/l | 5.0 | 1.9 | 1 |
| 4-Methyl-2-pentanone | ND | | ug/l | 5.0 | 1.0 | 1 |
| 2-Hexanone | ND | | ug/l | 5.0 | 1.0 | 1 |
| Bromochloromethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,2-Dibromoethane | ND | | ug/l | 2.0 | 0.65 | 1 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Isopropylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,2,3-Trichlorobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Methyl Acetate | ND | | ug/l | 2.0 | 0.23 | 1 |
| Cyclohexane | ND | | ug/l | 10 | 0.27 | 1 |
| 1,4-Dioxane | ND | | ug/l | 250 | 61. | 1 |
| Freon-113 | ND | | ug/l | 2.5 | 0.70 | 1 |
| Methyl cyclohexane | ND | | ug/l | 10 | 0.40 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 106 | | 70-130 |
| Toluene-d8 | 99 | | 70-130 |
| 4-Bromofluorobenzene | 90 | | 70-130 |
| Dibromofluoromethane | 107 | | 70-130 |

**Project Name:** 275 FRANKLIN STREET SITE **Lab Number:** L2317820

**Project Number:** B0156-022-001 **Report Date:** 04/12/23

## SAMPLE RESULTS

Lab ID: L2317820-08 D
Client ID: PZ-14
Sample Location: BUFFALO, NY

Date Collected: 04/04/23 10:10
Date Received: 04/05/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 04/11/23 03:06
Analyst: MJV

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Methylene chloride | ND | | ug/l | 12 | 3.5 | 5 |
| 1,1-Dichloroethane | ND | | ug/l | 12 | 3.5 | 5 |
| Chloroform | ND | | ug/l | 12 | 3.5 | 5 |
| Carbon tetrachloride | ND | | ug/l | 2.5 | 0.67 | 5 |
| 1,2-Dichloropropane | ND | | ug/l | 5.0 | 0.68 | 5 |
| Dibromochloromethane | ND | | ug/l | 2.5 | 0.74 | 5 |
| 1,1,2-Trichloroethane | ND | | ug/l | 7.5 | 2.5 | 5 |
| Tetrachloroethene | 550 | | ug/l | 2.5 | 0.90 | 5 |
| Chlorobenzene | ND | | ug/l | 12 | 3.5 | 5 |
| Trichlorofluoromethane | ND | | ug/l | 12 | 3.5 | 5 |
| 1,2-Dichloroethane | ND | | ug/l | 2.5 | 0.66 | 5 |
| 1,1,1-Trichloroethane | ND | | ug/l | 12 | 3.5 | 5 |
| Bromodichloromethane | ND | | ug/l | 2.5 | 0.96 | 5 |
| trans-1,3-Dichloropropene | ND | | ug/l | 2.5 | 0.82 | 5 |
| cis-1,3-Dichloropropene | ND | | ug/l | 2.5 | 0.72 | 5 |
| Bromoform | ND | | ug/l | 10 | 3.2 | 5 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/l | 2.5 | 0.84 | 5 |
| Benzene | ND | | ug/l | 2.5 | 0.80 | 5 |
| Toluene | ND | | ug/l | 12 | 3.5 | 5 |
| Ethylbenzene | ND | | ug/l | 12 | 3.5 | 5 |
| Chloromethane | ND | | ug/l | 12 | 3.5 | 5 |
| Bromomethane | ND | | ug/l | 12 | 3.5 | 5 |
| Vinyl chloride | 1.4 | J | ug/l | 5.0 | 0.36 | 5 |
| Chloroethane | ND | | ug/l | 12 | 3.5 | 5 |
| 1,1-Dichloroethene | ND | | ug/l | 2.5 | 0.84 | 5 |
| trans-1,2-Dichloroethene | ND | | ug/l | 12 | 3.5 | 5 |
| Trichloroethene | 24 | | ug/l | 2.5 | 0.88 | 5 |
| 1,2-Dichlorobenzene | ND | | ug/l | 12 | 3.5 | 5 |

**Project Name:** 275 FRANKLIN STREET SITE **Lab Number:** L2317820

**Project Number:** B0156-022-001 **Report Date:** 04/12/23

## SAMPLE RESULTS

Lab ID: L2317820-08 D
Client ID: PZ-14
Sample Location: BUFFALO, NY

Date Collected: 04/04/23 10:10
Date Received: 04/05/23
Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by GC/MS - Westborough Lab** | | | | | | |
| 1,3-Dichlorobenzene | ND | | ug/l | 12 | 3.5 | 5 |
| 1,4-Dichlorobenzene | ND | | ug/l | 12 | 3.5 | 5 |
| Methyl tert butyl ether | ND | | ug/l | 12 | 3.5 | 5 |
| p/m-Xylene | ND | | ug/l | 12 | 3.5 | 5 |
| o-Xylene | ND | | ug/l | 12 | 3.5 | 5 |
| cis-1,2-Dichloroethene | 180 | | ug/l | 12 | 3.5 | 5 |
| Styrene | ND | | ug/l | 12 | 3.5 | 5 |
| Dichlorodifluoromethane | ND | | ug/l | 25 | 5.0 | 5 |
| Acetone | ND | | ug/l | 25 | 7.3 | 5 |
| Carbon disulfide | ND | | ug/l | 25 | 5.0 | 5 |
| 2-Butanone | ND | | ug/l | 25 | 9.7 | 5 |
| 4-Methyl-2-pentanone | ND | | ug/l | 25 | 5.0 | 5 |
| 2-Hexanone | ND | | ug/l | 25 | 5.0 | 5 |
| Bromochloromethane | ND | | ug/l | 12 | 3.5 | 5 |
| 1,2-Dibromoethane | ND | | ug/l | 10 | 3.2 | 5 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/l | 12 | 3.5 | 5 |
| Isopropylbenzene | ND | | ug/l | 12 | 3.5 | 5 |
| 1,2,3-Trichlorobenzene | ND | | ug/l | 12 | 3.5 | 5 |
| 1,2,4-Trichlorobenzene | ND | | ug/l | 12 | 3.5 | 5 |
| Methyl Acetate | ND | | ug/l | 10 | 1.2 | 5 |
| Cyclohexane | ND | | ug/l | 50 | 1.4 | 5 |
| 1,4-Dioxane | ND | | ug/l | 1200 | 300 | 5 |
| Freon-113 | ND | | ug/l | 12 | 3.5 | 5 |
| Methyl cyclohexane | ND | | ug/l | 50 | 2.0 | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 108 | | 70-130 |
| Toluene-d8 | 98 | | 70-130 |
| 4-Bromofluorobenzene | 96 | | 70-130 |
| Dibromofluoromethane | 104 | | 70-130 |

**Project Name:** 275 FRANKLIN STREET SITE
**Project Number:** B0156-022-001
**Lab Number:** L2317820
**Report Date:** 04/12/23

## SAMPLE RESULTS

Lab ID: L2317820-09
Client ID: MW-24D
Sample Location: BUFFALO, NY

Date Collected: 04/04/23 11:50
Date Received: 04/05/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 04/11/23 03:33
Analyst: MJV

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Methylene chloride | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,1-Dichloroethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Chloroform | ND | | ug/l | 2.5 | 0.70 | 1 |
| Carbon tetrachloride | ND | | ug/l | 0.50 | 0.13 | 1 |
| 1,2-Dichloropropane | ND | | ug/l | 1.0 | 0.14 | 1 |
| Dibromochloromethane | ND | | ug/l | 0.50 | 0.15 | 1 |
| 1,1,2-Trichloroethane | ND | | ug/l | 1.5 | 0.50 | 1 |
| Tetrachloroethene | 50 | | ug/l | 0.50 | 0.18 | 1 |
| Chlorobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Trichlorofluoromethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,2-Dichloroethane | ND | | ug/l | 0.50 | 0.13 | 1 |
| 1,1,1-Trichloroethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Bromodichloromethane | ND | | ug/l | 0.50 | 0.19 | 1 |
| trans-1,3-Dichloropropene | ND | | ug/l | 0.50 | 0.16 | 1 |
| cis-1,3-Dichloropropene | ND | | ug/l | 0.50 | 0.14 | 1 |
| Bromoform | ND | | ug/l | 2.0 | 0.65 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/l | 0.50 | 0.17 | 1 |
| Benzene | ND | | ug/l | 0.50 | 0.16 | 1 |
| Toluene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Ethylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Chloromethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Bromomethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Vinyl chloride | 1.5 | | ug/l | 1.0 | 0.07 | 1 |
| Chloroethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,1-Dichloroethene | 0.46 | J | ug/l | 0.50 | 0.17 | 1 |
| trans-1,2-Dichloroethene | 0.82 | J | ug/l | 2.5 | 0.70 | 1 |
| Trichloroethene | 18 | | ug/l | 0.50 | 0.18 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |

**Project Name:** 275 FRANKLIN STREET SITE **Lab Number:** L2317820

**Project Number:** B0156-022-001 **Report Date:** 04/12/23

## SAMPLE RESULTS

Lab ID: L2317820-09 Date Collected: 04/04/23 11:50

Client ID: MW-24D Date Received: 04/05/23

Sample Location: BUFFALO, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by GC/MS - Westborough Lab** | | | | | | |
| 1,3-Dichlorobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Methyl tert butyl ether | ND | | ug/l | 2.5 | 0.70 | 1 |
| p/m-Xylene | ND | | ug/l | 2.5 | 0.70 | 1 |
| o-Xylene | ND | | ug/l | 2.5 | 0.70 | 1 |
| cis-1,2-Dichloroethene | 120 | | ug/l | 2.5 | 0.70 | 1 |
| Styrene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Dichlorodifluoromethane | ND | | ug/l | 5.0 | 1.0 | 1 |
| Acetone | ND | | ug/l | 5.0 | 1.5 | 1 |
| Carbon disulfide | ND | | ug/l | 5.0 | 1.0 | 1 |
| 2-Butanone | ND | | ug/l | 5.0 | 1.9 | 1 |
| 4-Methyl-2-pentanone | ND | | ug/l | 5.0 | 1.0 | 1 |
| 2-Hexanone | ND | | ug/l | 5.0 | 1.0 | 1 |
| Bromochloromethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,2-Dibromoethane | ND | | ug/l | 2.0 | 0.65 | 1 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Isopropylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,2,3-Trichlorobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Methyl Acetate | ND | | ug/l | 2.0 | 0.23 | 1 |
| Cyclohexane | ND | | ug/l | 10 | 0.27 | 1 |
| 1,4-Dioxane | ND | | ug/l | 250 | 61. | 1 |
| Freon-113 | ND | | ug/l | 2.5 | 0.70 | 1 |
| Methyl cyclohexane | ND | | ug/l | 10 | 0.40 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 108 | | 70-130 |
| Toluene-d8 | 99 | | 70-130 |
| 4-Bromofluorobenzene | 98 | | 70-130 |
| Dibromofluoromethane | 105 | | 70-130 |

**Project Name:** 275 FRANKLIN STREET SITE
**Project Number:** B0156-022-001
**Lab Number:** L2317820
**Report Date:** 04/12/23

## SAMPLE RESULTS

Lab ID: L2317820-10 D
Client ID: MW-24S
Sample Location: BUFFALO, NY

Date Collected: 04/04/23 12:50
Date Received: 04/05/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 04/11/23 03:59
Analyst: MJV

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Methylene chloride | ND | | ug/l | 12 | 3.5 | 5 |
| 1,1-Dichloroethane | ND | | ug/l | 12 | 3.5 | 5 |
| Chloroform | ND | | ug/l | 12 | 3.5 | 5 |
| Carbon tetrachloride | ND | | ug/l | 2.5 | 0.67 | 5 |
| 1,2-Dichloropropane | ND | | ug/l | 5.0 | 0.68 | 5 |
| Dibromochloromethane | ND | | ug/l | 2.5 | 0.74 | 5 |
| 1,1,2-Trichloroethane | ND | | ug/l | 7.5 | 2.5 | 5 |
| Tetrachloroethene | 640 | | ug/l | 2.5 | 0.90 | 5 |
| Chlorobenzene | ND | | ug/l | 12 | 3.5 | 5 |
| Trichlorofluoromethane | ND | | ug/l | 12 | 3.5 | 5 |
| 1,2-Dichloroethane | ND | | ug/l | 2.5 | 0.66 | 5 |
| 1,1,1-Trichloroethane | ND | | ug/l | 12 | 3.5 | 5 |
| Bromodichloromethane | ND | | ug/l | 2.5 | 0.96 | 5 |
| trans-1,3-Dichloropropene | ND | | ug/l | 2.5 | 0.82 | 5 |
| cis-1,3-Dichloropropene | ND | | ug/l | 2.5 | 0.72 | 5 |
| Bromoform | ND | | ug/l | 10 | 3.2 | 5 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/l | 2.5 | 0.84 | 5 |
| Benzene | ND | | ug/l | 2.5 | 0.80 | 5 |
| Toluene | ND | | ug/l | 12 | 3.5 | 5 |
| Ethylbenzene | ND | | ug/l | 12 | 3.5 | 5 |
| Chloromethane | ND | | ug/l | 12 | 3.5 | 5 |
| Bromomethane | ND | | ug/l | 12 | 3.5 | 5 |
| Vinyl chloride | ND | | ug/l | 5.0 | 0.36 | 5 |
| Chloroethane | ND | | ug/l | 12 | 3.5 | 5 |
| 1,1-Dichloroethene | ND | | ug/l | 2.5 | 0.84 | 5 |
| trans-1,2-Dichloroethene | ND | | ug/l | 12 | 3.5 | 5 |
| Trichloroethene | 1.6 | J | ug/l | 2.5 | 0.88 | 5 |
| 1,2-Dichlorobenzene | ND | | ug/l | 12 | 3.5 | 5 |

**Project Name:** 275 FRANKLIN STREET SITE **Lab Number:** L2317820

**Project Number:** B0156-022-001 **Report Date:** 04/12/23

## SAMPLE RESULTS

Lab ID: L2317820-10 D
Client ID: MW-24S
Sample Location: BUFFALO, NY

Date Collected: 04/04/23 12:50
Date Received: 04/05/23
Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by GC/MS - Westborough Lab** | | | | | | |
| 1,3-Dichlorobenzene | ND | | ug/l | 12 | 3.5 | 5 |
| 1,4-Dichlorobenzene | ND | | ug/l | 12 | 3.5 | 5 |
| Methyl tert butyl ether | ND | | ug/l | 12 | 3.5 | 5 |
| p/m-Xylene | ND | | ug/l | 12 | 3.5 | 5 |
| o-Xylene | ND | | ug/l | 12 | 3.5 | 5 |
| cis-1,2-Dichloroethene | ND | | ug/l | 12 | 3.5 | 5 |
| Styrene | ND | | ug/l | 12 | 3.5 | 5 |
| Dichlorodifluoromethane | ND | | ug/l | 25 | 5.0 | 5 |
| Acetone | ND | | ug/l | 25 | 7.3 | 5 |
| Carbon disulfide | ND | | ug/l | 25 | 5.0 | 5 |
| 2-Butanone | ND | | ug/l | 25 | 9.7 | 5 |
| 4-Methyl-2-pentanone | ND | | ug/l | 25 | 5.0 | 5 |
| 2-Hexanone | ND | | ug/l | 25 | 5.0 | 5 |
| Bromochloromethane | ND | | ug/l | 12 | 3.5 | 5 |
| 1,2-Dibromoethane | ND | | ug/l | 10 | 3.2 | 5 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/l | 12 | 3.5 | 5 |
| Isopropylbenzene | ND | | ug/l | 12 | 3.5 | 5 |
| 1,2,3-Trichlorobenzene | ND | | ug/l | 12 | 3.5 | 5 |
| 1,2,4-Trichlorobenzene | ND | | ug/l | 12 | 3.5 | 5 |
| Methyl Acetate | ND | | ug/l | 10 | 1.2 | 5 |
| Cyclohexane | ND | | ug/l | 50 | 1.4 | 5 |
| 1,4-Dioxane | ND | | ug/l | 1200 | 300 | 5 |
| Freon-113 | ND | | ug/l | 12 | 3.5 | 5 |
| Methyl cyclohexane | ND | | ug/l | 50 | 2.0 | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 108 | | 70-130 |
| Toluene-d8 | 98 | | 70-130 |
| 4-Bromofluorobenzene | 96 | | 70-130 |
| Dibromofluoromethane | 107 | | 70-130 |

**Project Name:** 275 FRANKLIN STREET SITE **Lab Number:** L2317820

**Project Number:** B0156-022-001 **Report Date:** 04/12/23

## SAMPLE RESULTS

Lab ID: L2317820-11 D
Client ID: BLIND DUP
Sample Location: BUFFALO, NY

Date Collected: 04/04/23 08:00
Date Received: 04/05/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 04/11/23 04:24
Analyst: MJV

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Methylene chloride | ND | | ug/l | 12 | 3.5 | 5 |
| 1,1-Dichloroethane | ND | | ug/l | 12 | 3.5 | 5 |
| Chloroform | ND | | ug/l | 12 | 3.5 | 5 |
| Carbon tetrachloride | ND | | ug/l | 2.5 | 0.67 | 5 |
| 1,2-Dichloropropane | ND | | ug/l | 5.0 | 0.68 | 5 |
| Dibromochloromethane | ND | | ug/l | 2.5 | 0.74 | 5 |
| 1,1,2-Trichloroethane | ND | | ug/l | 7.5 | 2.5 | 5 |
| Tetrachloroethene | 610 | | ug/l | 2.5 | 0.90 | 5 |
| Chlorobenzene | ND | | ug/l | 12 | 3.5 | 5 |
| Trichlorofluoromethane | ND | | ug/l | 12 | 3.5 | 5 |
| 1,2-Dichloroethane | ND | | ug/l | 2.5 | 0.66 | 5 |
| 1,1,1-Trichloroethane | ND | | ug/l | 12 | 3.5 | 5 |
| Bromodichloromethane | ND | | ug/l | 2.5 | 0.96 | 5 |
| trans-1,3-Dichloropropene | ND | | ug/l | 2.5 | 0.82 | 5 |
| cis-1,3-Dichloropropene | ND | | ug/l | 2.5 | 0.72 | 5 |
| Bromoform | ND | | ug/l | 10 | 3.2 | 5 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/l | 2.5 | 0.84 | 5 |
| Benzene | ND | | ug/l | 2.5 | 0.80 | 5 |
| Toluene | ND | | ug/l | 12 | 3.5 | 5 |
| Ethylbenzene | ND | | ug/l | 12 | 3.5 | 5 |
| Chloromethane | ND | | ug/l | 12 | 3.5 | 5 |
| Bromomethane | ND | | ug/l | 12 | 3.5 | 5 |
| Vinyl chloride | 10 | | ug/l | 5.0 | 0.36 | 5 |
| Chloroethane | ND | | ug/l | 12 | 3.5 | 5 |
| 1,1-Dichloroethene | ND | | ug/l | 2.5 | 0.84 | 5 |
| trans-1,2-Dichloroethene | ND | | ug/l | 12 | 3.5 | 5 |
| Trichloroethene | 2.9 | | ug/l | 2.5 | 0.88 | 5 |
| 1,2-Dichlorobenzene | ND | | ug/l | 12 | 3.5 | 5 |

**Project Name:** 275 FRANKLIN STREET SITE **Lab Number:** L2317820

**Project Number:** B0156-022-001 **Report Date:** 04/12/23

## SAMPLE RESULTS

Lab ID: L2317820-11 D
Client ID: BLIND DUP
Sample Location: BUFFALO, NY

Date Collected: 04/04/23 08:00
Date Received: 04/05/23
Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by GC/MS - Westborough Lab** | | | | | | |
| 1,3-Dichlorobenzene | ND | | ug/l | 12 | 3.5 | 5 |
| 1,4-Dichlorobenzene | ND | | ug/l | 12 | 3.5 | 5 |
| Methyl tert butyl ether | ND | | ug/l | 12 | 3.5 | 5 |
| p/m-Xylene | ND | | ug/l | 12 | 3.5 | 5 |
| o-Xylene | ND | | ug/l | 12 | 3.5 | 5 |
| cis-1,2-Dichloroethene | ND | | ug/l | 12 | 3.5 | 5 |
| Styrene | ND | | ug/l | 12 | 3.5 | 5 |
| Dichlorodifluoromethane | ND | | ug/l | 25 | 5.0 | 5 |
| Acetone | ND | | ug/l | 25 | 7.3 | 5 |
| Carbon disulfide | ND | | ug/l | 25 | 5.0 | 5 |
| 2-Butanone | ND | | ug/l | 25 | 9.7 | 5 |
| 4-Methyl-2-pentanone | ND | | ug/l | 25 | 5.0 | 5 |
| 2-Hexanone | ND | | ug/l | 25 | 5.0 | 5 |
| Bromochloromethane | ND | | ug/l | 12 | 3.5 | 5 |
| 1,2-Dibromoethane | ND | | ug/l | 10 | 3.2 | 5 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/l | 12 | 3.5 | 5 |
| Isopropylbenzene | ND | | ug/l | 12 | 3.5 | 5 |
| 1,2,3-Trichlorobenzene | ND | | ug/l | 12 | 3.5 | 5 |
| 1,2,4-Trichlorobenzene | ND | | ug/l | 12 | 3.5 | 5 |
| Methyl Acetate | ND | | ug/l | 10 | 1.2 | 5 |
| Cyclohexane | ND | | ug/l | 50 | 1.4 | 5 |
| 1,4-Dioxane | ND | | ug/l | 1200 | 300 | 5 |
| Freon-113 | ND | | ug/l | 12 | 3.5 | 5 |
| Methyl cyclohexane | ND | | ug/l | 50 | 2.0 | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 109 | | 70-130 |
| Toluene-d8 | 99 | | 70-130 |
| 4-Bromofluorobenzene | 95 | | 70-130 |
| Dibromofluoromethane | 104 | | 70-130 |

**Project Name:** 275 FRANKLIN STREET SITE
**Project Number:** B0156-022-001
**Lab Number:** L2317820
**Report Date:** 04/12/23

## SAMPLE RESULTS

Lab ID: L2317820-12 D
Client ID: MW-23S
Sample Location: BUFFALO, NY

Date Collected: 04/04/23 14:30
Date Received: 04/05/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 04/11/23 04:50
Analyst: MJV

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Methylene chloride | ND | | ug/l | 12 | 3.5 | 5 |
| 1,1-Dichloroethane | ND | | ug/l | 12 | 3.5 | 5 |
| Chloroform | ND | | ug/l | 12 | 3.5 | 5 |
| Carbon tetrachloride | ND | | ug/l | 2.5 | 0.67 | 5 |
| 1,2-Dichloropropane | ND | | ug/l | 5.0 | 0.68 | 5 |
| Dibromochloromethane | ND | | ug/l | 2.5 | 0.74 | 5 |
| 1,1,2-Trichloroethane | ND | | ug/l | 7.5 | 2.5 | 5 |
| Tetrachloroethene | 590 | | ug/l | 2.5 | 0.90 | 5 |
| Chlorobenzene | ND | | ug/l | 12 | 3.5 | 5 |
| Trichlorofluoromethane | ND | | ug/l | 12 | 3.5 | 5 |
| 1,2-Dichloroethane | ND | | ug/l | 2.5 | 0.66 | 5 |
| 1,1,1-Trichloroethane | ND | | ug/l | 12 | 3.5 | 5 |
| Bromodichloromethane | ND | | ug/l | 2.5 | 0.96 | 5 |
| trans-1,3-Dichloropropene | ND | | ug/l | 2.5 | 0.82 | 5 |
| cis-1,3-Dichloropropene | ND | | ug/l | 2.5 | 0.72 | 5 |
| Bromoform | ND | | ug/l | 10 | 3.2 | 5 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/l | 2.5 | 0.84 | 5 |
| Benzene | ND | | ug/l | 2.5 | 0.80 | 5 |
| Toluene | ND | | ug/l | 12 | 3.5 | 5 |
| Ethylbenzene | ND | | ug/l | 12 | 3.5 | 5 |
| Chloromethane | ND | | ug/l | 12 | 3.5 | 5 |
| Bromomethane | ND | | ug/l | 12 | 3.5 | 5 |
| Vinyl chloride | 10 | | ug/l | 5.0 | 0.36 | 5 |
| Chloroethane | ND | | ug/l | 12 | 3.5 | 5 |
| 1,1-Dichloroethene | ND | | ug/l | 2.5 | 0.84 | 5 |
| trans-1,2-Dichloroethene | ND | | ug/l | 12 | 3.5 | 5 |
| Trichloroethene | 2.7 | | ug/l | 2.5 | 0.88 | 5 |
| 1,2-Dichlorobenzene | ND | | ug/l | 12 | 3.5 | 5 |

**Project Name:** 275 FRANKLIN STREET SITE **Lab Number:** L2317820

**Project Number:** B0156-022-001 **Report Date:** 04/12/23

## SAMPLE RESULTS

Lab ID: L2317820-12 D Date Collected: 04/04/23 14:30

Client ID: MW-23S Date Received: 04/05/23

Sample Location: BUFFALO, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by GC/MS - Westborough Lab** | | | | | | |
| 1,3-Dichlorobenzene | ND | | ug/l | 12 | 3.5 | 5 |
| 1,4-Dichlorobenzene | ND | | ug/l | 12 | 3.5 | 5 |
| Methyl tert butyl ether | ND | | ug/l | 12 | 3.5 | 5 |
| p/m-Xylene | ND | | ug/l | 12 | 3.5 | 5 |
| o-Xylene | ND | | ug/l | 12 | 3.5 | 5 |
| cis-1,2-Dichloroethene | ND | | ug/l | 12 | 3.5 | 5 |
| Styrene | ND | | ug/l | 12 | 3.5 | 5 |
| Dichlorodifluoromethane | ND | | ug/l | 25 | 5.0 | 5 |
| Acetone | ND | | ug/l | 25 | 7.3 | 5 |
| Carbon disulfide | ND | | ug/l | 25 | 5.0 | 5 |
| 2-Butanone | ND | | ug/l | 25 | 9.7 | 5 |
| 4-Methyl-2-pentanone | ND | | ug/l | 25 | 5.0 | 5 |
| 2-Hexanone | ND | | ug/l | 25 | 5.0 | 5 |
| Bromochloromethane | ND | | ug/l | 12 | 3.5 | 5 |
| 1,2-Dibromoethane | ND | | ug/l | 10 | 3.2 | 5 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/l | 12 | 3.5 | 5 |
| Isopropylbenzene | ND | | ug/l | 12 | 3.5 | 5 |
| 1,2,3-Trichlorobenzene | ND | | ug/l | 12 | 3.5 | 5 |
| 1,2,4-Trichlorobenzene | ND | | ug/l | 12 | 3.5 | 5 |
| Methyl Acetate | ND | | ug/l | 10 | 1.2 | 5 |
| Cyclohexane | ND | | ug/l | 50 | 1.4 | 5 |
| 1,4-Dioxane | ND | | ug/l | 1200 | 300 | 5 |
| Freon-113 | ND | | ug/l | 12 | 3.5 | 5 |
| Methyl cyclohexane | ND | | ug/l | 50 | 2.0 | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 109 | | 70-130 |
| Toluene-d8 | 99 | | 70-130 |
| 4-Bromofluorobenzene | 97 | | 70-130 |
| Dibromofluoromethane | 104 | | 70-130 |

**Project Name:** 275 FRANKLIN STREET SITE
**Project Number:** B0156-022-001
**Lab Number:** L2317820
**Report Date:** 04/12/23

## SAMPLE RESULTS

Lab ID: L2317820-13
Client ID: TRIP BLANK
Sample Location: BUFFALO, NY

Date Collected: 04/04/23 00:00
Date Received: 04/05/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 04/07/23 13:33
Analyst: PID

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Methylene chloride | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,1-Dichloroethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Chloroform | ND | | ug/l | 2.5 | 0.70 | 1 |
| Carbon tetrachloride | ND | | ug/l | 0.50 | 0.13 | 1 |
| 1,2-Dichloropropane | ND | | ug/l | 1.0 | 0.14 | 1 |
| Dibromochloromethane | ND | | ug/l | 0.50 | 0.15 | 1 |
| 1,1,2-Trichloroethane | ND | | ug/l | 1.5 | 0.50 | 1 |
| Tetrachloroethene | ND | | ug/l | 0.50 | 0.18 | 1 |
| Chlorobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Trichlorofluoromethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,2-Dichloroethane | ND | | ug/l | 0.50 | 0.13 | 1 |
| 1,1,1-Trichloroethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Bromodichloromethane | ND | | ug/l | 0.50 | 0.19 | 1 |
| trans-1,3-Dichloropropene | ND | | ug/l | 0.50 | 0.16 | 1 |
| cis-1,3-Dichloropropene | ND | | ug/l | 0.50 | 0.14 | 1 |
| Bromoform | ND | | ug/l | 2.0 | 0.65 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/l | 0.50 | 0.17 | 1 |
| Benzene | ND | | ug/l | 0.50 | 0.16 | 1 |
| Toluene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Ethylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Chloromethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Bromomethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Vinyl chloride | ND | | ug/l | 1.0 | 0.07 | 1 |
| Chloroethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,1-Dichloroethene | ND | | ug/l | 0.50 | 0.17 | 1 |
| trans-1,2-Dichloroethene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Trichloroethene | ND | | ug/l | 0.50 | 0.18 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |

**Project Name:** 275 FRANKLIN STREET SITE **Lab Number:** L2317820

**Project Number:** B0156-022-001 **Report Date:** 04/12/23

## SAMPLE RESULTS

Lab ID: L2317820-13 Date Collected: 04/04/23 00:00

Client ID: TRIP BLANK Date Received: 04/05/23

Sample Location: BUFFALO, NY Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by GC/MS - Westborough Lab** | | | | | | |
| 1,3-Dichlorobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Methyl tert butyl ether | ND | | ug/l | 2.5 | 0.70 | 1 |
| p/m-Xylene | ND | | ug/l | 2.5 | 0.70 | 1 |
| o-Xylene | ND | | ug/l | 2.5 | 0.70 | 1 |
| cis-1,2-Dichloroethene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Styrene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Dichlorodifluoromethane | ND | | ug/l | 5.0 | 1.0 | 1 |
| Acetone | ND | | ug/l | 5.0 | 1.5 | 1 |
| Carbon disulfide | ND | | ug/l | 5.0 | 1.0 | 1 |
| 2-Butanone | ND | | ug/l | 5.0 | 1.9 | 1 |
| 4-Methyl-2-pentanone | ND | | ug/l | 5.0 | 1.0 | 1 |
| 2-Hexanone | ND | | ug/l | 5.0 | 1.0 | 1 |
| Bromochloromethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,2-Dibromoethane | ND | | ug/l | 2.0 | 0.65 | 1 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Isopropylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,2,3-Trichlorobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Methyl Acetate | ND | | ug/l | 2.0 | 0.23 | 1 |
| Cyclohexane | ND | | ug/l | 10 | 0.27 | 1 |
| 1,4-Dioxane | ND | | ug/l | 250 | 61. | 1 |
| Freon-113 | ND | | ug/l | 2.5 | 0.70 | 1 |
| Methyl cyclohexane | ND | | ug/l | 10 | 0.40 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 108 | | 70-130 |
| Toluene-d8 | 99 | | 70-130 |
| 4-Bromofluorobenzene | 91 | | 70-130 |
| Dibromofluoromethane | 115 | | 70-130 |

**Project Name:** 275 FRANKLIN STREET SITE
**Project Number:** B0156-022-001
**Lab Number:** L2317820
**Report Date:** 04/12/23

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 04/10/23 21:54
Analyst: KJD

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 08-12 Batch: WG1765086-5 | | | | | |
| Methylene chloride | ND | | ug/l | 2.5 | 0.70 |
| 1,1-Dichloroethane | ND | | ug/l | 2.5 | 0.70 |
| Chloroform | ND | | ug/l | 2.5 | 0.70 |
| Carbon tetrachloride | ND | | ug/l | 0.50 | 0.13 |
| 1,2-Dichloropropane | ND | | ug/l | 1.0 | 0.14 |
| Dibromochloromethane | ND | | ug/l | 0.50 | 0.15 |
| 1,1,2-Trichloroethane | ND | | ug/l | 1.5 | 0.50 |
| Tetrachloroethene | ND | | ug/l | 0.50 | 0.18 |
| Chlorobenzene | ND | | ug/l | 2.5 | 0.70 |
| Trichlorofluoromethane | ND | | ug/l | 2.5 | 0.70 |
| 1,2-Dichloroethane | ND | | ug/l | 0.50 | 0.13 |
| 1,1,1-Trichloroethane | ND | | ug/l | 2.5 | 0.70 |
| Bromodichloromethane | ND | | ug/l | 0.50 | 0.19 |
| trans-1,3-Dichloropropene | ND | | ug/l | 0.50 | 0.16 |
| cis-1,3-Dichloropropene | ND | | ug/l | 0.50 | 0.14 |
| Bromoform | ND | | ug/l | 2.0 | 0.65 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/l | 0.50 | 0.17 |
| Benzene | ND | | ug/l | 0.50 | 0.16 |
| Toluene | ND | | ug/l | 2.5 | 0.70 |
| Ethylbenzene | ND | | ug/l | 2.5 | 0.70 |
| Chloromethane | ND | | ug/l | 2.5 | 0.70 |
| Bromomethane | ND | | ug/l | 2.5 | 0.70 |
| Vinyl chloride | ND | | ug/l | 1.0 | 0.07 |
| Chloroethane | ND | | ug/l | 2.5 | 0.70 |
| 1,1-Dichloroethene | ND | | ug/l | 0.50 | 0.17 |
| trans-1,2-Dichloroethene | ND | | ug/l | 2.5 | 0.70 |
| Trichloroethene | ND | | ug/l | 0.50 | 0.18 |
| 1,2-Dichlorobenzene | ND | | ug/l | 2.5 | 0.70 |
| 1,3-Dichlorobenzene | ND | | ug/l | 2.5 | 0.70 |

**Project Name:** 275 FRANKLIN STREET SITE **Lab Number:** L2317820

**Project Number:** B0156-022-001 **Report Date:** 04/12/23

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 04/10/23 21:54
Analyst: KJD

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 08-12 Batch: WG1765086-5 | | | | | |
| 1,4-Dichlorobenzene | ND | | ug/l | 2.5 | 0.70 |
| Methyl tert butyl ether | ND | | ug/l | 2.5 | 0.70 |
| p/m-Xylene | ND | | ug/l | 2.5 | 0.70 |
| o-Xylene | ND | | ug/l | 2.5 | 0.70 |
| cis-1,2-Dichloroethene | ND | | ug/l | 2.5 | 0.70 |
| Styrene | ND | | ug/l | 2.5 | 0.70 |
| Dichlorodifluoromethane | ND | | ug/l | 5.0 | 1.0 |
| Acetone | ND | | ug/l | 5.0 | 1.5 |
| Carbon disulfide | ND | | ug/l | 5.0 | 1.0 |
| 2-Butanone | ND | | ug/l | 5.0 | 1.9 |
| 4-Methyl-2-pentanone | ND | | ug/l | 5.0 | 1.0 |
| 2-Hexanone | ND | | ug/l | 5.0 | 1.0 |
| Bromochloromethane | ND | | ug/l | 2.5 | 0.70 |
| 1,2-Dibromoethane | ND | | ug/l | 2.0 | 0.65 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/l | 2.5 | 0.70 |
| Isopropylbenzene | ND | | ug/l | 2.5 | 0.70 |
| 1,2,3-Trichlorobenzene | ND | | ug/l | 2.5 | 0.70 |
| 1,2,4-Trichlorobenzene | ND | | ug/l | 2.5 | 0.70 |
| Methyl Acetate | ND | | ug/l | 2.0 | 0.23 |
| Cyclohexane | ND | | ug/l | 10 | 0.27 |
| 1,4-Dioxane | ND | | ug/l | 250 | 61. |
| Freon-113 | ND | | ug/l | 2.5 | 0.70 |
| Methyl cyclohexane | ND | | ug/l | 10 | 0.40 |

**Project Name:** 275 FRANKLIN STREET SITE
**Project Number:** B0156-022-001
**Lab Number:** L2317820
**Report Date:** 04/12/23

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 04/10/23 21:54
Analyst: KJD

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 08-12 Batch: WG1765086-5 | | | | | |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 107 | | 70-130 |
| Toluene-d8 | 99 | | 70-130 |
| 4-Bromofluorobenzene | 96 | | 70-130 |
| Dibromofluoromethane | 104 | | 70-130 |

**Project Name:** 275 FRANKLIN STREET SITE
**Project Number:** B0156-022-001
**Lab Number:** L2317820
**Report Date:** 04/12/23

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 04/07/23 19:42
Analyst: TMS

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 02,04 Batch: WG1765146-5 | | | | | |
| Methylene chloride | ND | | ug/l | 2.5 | 0.70 |
| 1,1-Dichloroethane | ND | | ug/l | 2.5 | 0.70 |
| Chloroform | ND | | ug/l | 2.5 | 0.70 |
| Carbon tetrachloride | ND | | ug/l | 0.50 | 0.13 |
| 1,2-Dichloropropane | ND | | ug/l | 1.0 | 0.14 |
| Dibromochloromethane | ND | | ug/l | 0.50 | 0.15 |
| 1,1,2-Trichloroethane | ND | | ug/l | 1.5 | 0.50 |
| Tetrachloroethene | ND | | ug/l | 0.50 | 0.18 |
| Chlorobenzene | ND | | ug/l | 2.5 | 0.70 |
| Trichlorofluoromethane | ND | | ug/l | 2.5 | 0.70 |
| 1,2-Dichloroethane | ND | | ug/l | 0.50 | 0.13 |
| 1,1,1-Trichloroethane | ND | | ug/l | 2.5 | 0.70 |
| Bromodichloromethane | ND | | ug/l | 0.50 | 0.19 |
| trans-1,3-Dichloropropene | ND | | ug/l | 0.50 | 0.16 |
| cis-1,3-Dichloropropene | ND | | ug/l | 0.50 | 0.14 |
| Bromoform | ND | | ug/l | 2.0 | 0.65 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/l | 0.50 | 0.17 |
| Benzene | ND | | ug/l | 0.50 | 0.16 |
| Toluene | ND | | ug/l | 2.5 | 0.70 |
| Ethylbenzene | ND | | ug/l | 2.5 | 0.70 |
| Chloromethane | ND | | ug/l | 2.5 | 0.70 |
| Bromomethane | ND | | ug/l | 2.5 | 0.70 |
| Vinyl chloride | ND | | ug/l | 1.0 | 0.07 |
| Chloroethane | ND | | ug/l | 2.5 | 0.70 |
| 1,1-Dichloroethene | ND | | ug/l | 0.50 | 0.17 |
| trans-1,2-Dichloroethene | ND | | ug/l | 2.5 | 0.70 |
| Trichloroethene | ND | | ug/l | 0.50 | 0.18 |
| 1,2-Dichlorobenzene | ND | | ug/l | 2.5 | 0.70 |
| 1,3-Dichlorobenzene | ND | | ug/l | 2.5 | 0.70 |

**Project Name:** 275 FRANKLIN STREET SITE
**Project Number:** B0156-022-001
**Lab Number:** L2317820
**Report Date:** 04/12/23

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 04/07/23 19:42
Analyst: TMS

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 02,04 Batch: WG1765146-5 | | | | | |
| 1,4-Dichlorobenzene | ND | | ug/l | 2.5 | 0.70 |
| Methyl tert butyl ether | ND | | ug/l | 2.5 | 0.70 |
| p/m-Xylene | ND | | ug/l | 2.5 | 0.70 |
| o-Xylene | ND | | ug/l | 2.5 | 0.70 |
| cis-1,2-Dichloroethene | ND | | ug/l | 2.5 | 0.70 |
| Styrene | ND | | ug/l | 2.5 | 0.70 |
| Dichlorodifluoromethane | ND | | ug/l | 5.0 | 1.0 |
| Acetone | ND | | ug/l | 5.0 | 1.5 |
| Carbon disulfide | ND | | ug/l | 5.0 | 1.0 |
| 2-Butanone | ND | | ug/l | 5.0 | 1.9 |
| 4-Methyl-2-pentanone | ND | | ug/l | 5.0 | 1.0 |
| 2-Hexanone | ND | | ug/l | 5.0 | 1.0 |
| Bromochloromethane | ND | | ug/l | 2.5 | 0.70 |
| 1,2-Dibromoethane | ND | | ug/l | 2.0 | 0.65 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/l | 2.5 | 0.70 |
| Isopropylbenzene | ND | | ug/l | 2.5 | 0.70 |
| 1,2,3-Trichlorobenzene | ND | | ug/l | 2.5 | 0.70 |
| 1,2,4-Trichlorobenzene | ND | | ug/l | 2.5 | 0.70 |
| Methyl Acetate | ND | | ug/l | 2.0 | 0.23 |
| Cyclohexane | ND | | ug/l | 10 | 0.27 |
| 1,4-Dioxane | ND | | ug/l | 250 | 61. |
| Freon-113 | ND | | ug/l | 2.5 | 0.70 |
| Methyl cyclohexane | ND | | ug/l | 10 | 0.40 |

**Project Name:** 275 FRANKLIN STREET SITE
**Project Number:** B0156-022-001
**Lab Number:** L2317820
**Report Date:** 04/12/23

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 04/07/23 19:42
Analyst: TMS

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 02,04 Batch: WG1765146-5 | | | | | |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 100 | | 70-130 |
| Toluene-d8 | 99 | | 70-130 |
| 4-Bromofluorobenzene | 105 | | 70-130 |
| Dibromofluoromethane | 103 | | 70-130 |

**Project Name:** 275 FRANKLIN STREET SITE **Lab Number:** L2317820

**Project Number:** B0156-022-001 **Report Date:** 04/12/23

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 04/07/23 10:37
Analyst: PID

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,03,05-07,13 Batch: WG1765246-5 | | | | | |
| Methylene chloride | ND | | ug/l | 2.5 | 0.70 |
| 1,1-Dichloroethane | ND | | ug/l | 2.5 | 0.70 |
| Chloroform | ND | | ug/l | 2.5 | 0.70 |
| Carbon tetrachloride | ND | | ug/l | 0.50 | 0.13 |
| 1,2-Dichloropropane | ND | | ug/l | 1.0 | 0.14 |
| Dibromochloromethane | ND | | ug/l | 0.50 | 0.15 |
| 1,1,2-Trichloroethane | ND | | ug/l | 1.5 | 0.50 |
| Tetrachloroethene | ND | | ug/l | 0.50 | 0.18 |
| Chlorobenzene | ND | | ug/l | 2.5 | 0.70 |
| Trichlorofluoromethane | ND | | ug/l | 2.5 | 0.70 |
| 1,2-Dichloroethane | ND | | ug/l | 0.50 | 0.13 |
| 1,1,1-Trichloroethane | ND | | ug/l | 2.5 | 0.70 |
| Bromodichloromethane | ND | | ug/l | 0.50 | 0.19 |
| trans-1,3-Dichloropropene | ND | | ug/l | 0.50 | 0.16 |
| cis-1,3-Dichloropropene | ND | | ug/l | 0.50 | 0.14 |
| Bromoform | ND | | ug/l | 2.0 | 0.65 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/l | 0.50 | 0.17 |
| Benzene | ND | | ug/l | 0.50 | 0.16 |
| Toluene | ND | | ug/l | 2.5 | 0.70 |
| Ethylbenzene | ND | | ug/l | 2.5 | 0.70 |
| Chloromethane | ND | | ug/l | 2.5 | 0.70 |
| Bromomethane | ND | | ug/l | 2.5 | 0.70 |
| Vinyl chloride | ND | | ug/l | 1.0 | 0.07 |
| Chloroethane | ND | | ug/l | 2.5 | 0.70 |
| 1,1-Dichloroethene | ND | | ug/l | 0.50 | 0.17 |
| trans-1,2-Dichloroethene | ND | | ug/l | 2.5 | 0.70 |
| Trichloroethene | ND | | ug/l | 0.50 | 0.18 |
| 1,2-Dichlorobenzene | ND | | ug/l | 2.5 | 0.70 |
| 1,3-Dichlorobenzene | ND | | ug/l | 2.5 | 0.70 |

**Project Name:** 275 FRANKLIN STREET SITE **Lab Number:** L2317820

**Project Number:** B0156-022-001 **Report Date:** 04/12/23

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 04/07/23 10:37
Analyst: PID

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,03,05-07,13 Batch: WG1765246-5 | | | | | |
| 1,4-Dichlorobenzene | ND | | ug/l | 2.5 | 0.70 |
| Methyl tert butyl ether | ND | | ug/l | 2.5 | 0.70 |
| p/m-Xylene | ND | | ug/l | 2.5 | 0.70 |
| o-Xylene | ND | | ug/l | 2.5 | 0.70 |
| cis-1,2-Dichloroethene | ND | | ug/l | 2.5 | 0.70 |
| Styrene | ND | | ug/l | 2.5 | 0.70 |
| Dichlorodifluoromethane | ND | | ug/l | 5.0 | 1.0 |
| Acetone | ND | | ug/l | 5.0 | 1.5 |
| Carbon disulfide | ND | | ug/l | 5.0 | 1.0 |
| 2-Butanone | ND | | ug/l | 5.0 | 1.9 |
| 4-Methyl-2-pentanone | ND | | ug/l | 5.0 | 1.0 |
| 2-Hexanone | ND | | ug/l | 5.0 | 1.0 |
| Bromochloromethane | ND | | ug/l | 2.5 | 0.70 |
| 1,2-Dibromoethane | ND | | ug/l | 2.0 | 0.65 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/l | 2.5 | 0.70 |
| Isopropylbenzene | ND | | ug/l | 2.5 | 0.70 |
| 1,2,3-Trichlorobenzene | ND | | ug/l | 2.5 | 0.70 |
| 1,2,4-Trichlorobenzene | ND | | ug/l | 2.5 | 0.70 |
| Methyl Acetate | ND | | ug/l | 2.0 | 0.23 |
| Cyclohexane | ND | | ug/l | 10 | 0.27 |
| 1,4-Dioxane | ND | | ug/l | 250 | 61. |
| Freon-113 | ND | | ug/l | 2.5 | 0.70 |
| Methyl cyclohexane | ND | | ug/l | 10 | 0.40 |

**Project Name:** 275 FRANKLIN STREET SITE
**Project Number:** B0156-022-001
**Lab Number:** L2317820
**Report Date:** 04/12/23

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 04/07/23 10:37
Analyst: PID

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,03,05-07,13 Batch: WG1765246-5 | | | | | |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 111 | | 70-130 |
| Toluene-d8 | 100 | | 70-130 |
| 4-Bromofluorobenzene | 92 | | 70-130 |
| Dibromofluoromethane | 105 | | 70-130 |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 275 FRANKLIN STREET SITE
**Project Number:** B0156-022-001

**Lab Number:** L2317820
**Report Date:** 04/12/23

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08-12 Batch: WG1765086-3 WG1765086-4 | | | | | | | | |
| Methylene chloride | 100 | | 98 | | 70-130 | 2 | | 20 |
| 1,1-Dichloroethane | 110 | | 110 | | 70-130 | 0 | | 20 |
| Chloroform | 100 | | 100 | | 70-130 | 0 | | 20 |
| Carbon tetrachloride | 100 | | 100 | | 63-132 | 0 | | 20 |
| 1,2-Dichloropropane | 100 | | 100 | | 70-130 | 0 | | 20 |
| Dibromochloromethane | 84 | | 83 | | 63-130 | 1 | | 20 |
| 1,1,2-Trichloroethane | 92 | | 90 | | 70-130 | 2 | | 20 |
| Tetrachloroethene | 94 | | 94 | | 70-130 | 0 | | 20 |
| Chlorobenzene | 93 | | 92 | | 75-130 | 1 | | 20 |
| Trichlorofluoromethane | 120 | | 120 | | 62-150 | 0 | | 20 |
| 1,2-Dichloroethane | 100 | | 100 | | 70-130 | 0 | | 20 |
| 1,1,1-Trichloroethane | 100 | | 100 | | 67-130 | 0 | | 20 |
| Bromodichloromethane | 95 | | 93 | | 67-130 | 2 | | 20 |
| trans-1,3-Dichloropropene | 88 | | 86 | | 70-130 | 2 | | 20 |
| cis-1,3-Dichloropropene | 94 | | 93 | | 70-130 | 1 | | 20 |
| Bromoform | 78 | | 74 | | 54-136 | 5 | | 20 |
| 1,1,2,2-Tetrachloroethane | 93 | | 86 | | 67-130 | 8 | | 20 |
| Benzene | 100 | | 100 | | 70-130 | 0 | | 20 |
| Toluene | 94 | | 93 | | 70-130 | 1 | | 20 |
| Ethylbenzene | 94 | | 93 | | 70-130 | 1 | | 20 |
| Chloromethane | 93 | | 95 | | 64-130 | 2 | | 20 |
| Bromomethane | 69 | | 78 | | 39-139 | 12 | | 20 |
| Vinyl chloride | 120 | | 120 | | 55-140 | 0 | | 20 |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** 275 FRANKLIN STREET SITE

**Project Number:** B0156-022-001

**Lab Number:** L2317820

**Report Date:** 04/12/23

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08-12 Batch: WG1765086-3 WG1765086-4 | | | | | | | | |
| Chloroethane | 120 | | 120 | | 55-138 | 0 | | 20 |
| 1,1-Dichloroethene | 120 | | 110 | | 61-145 | 9 | | 20 |
| trans-1,2-Dichloroethene | 100 | | 100 | | 70-130 | 0 | | 20 |
| Trichloroethene | 100 | | 100 | | 70-130 | 0 | | 20 |
| 1,2-Dichlorobenzene | 89 | | 90 | | 70-130 | 1 | | 20 |
| 1,3-Dichlorobenzene | 90 | | 89 | | 70-130 | 1 | | 20 |
| 1,4-Dichlorobenzene | 89 | | 90 | | 70-130 | 1 | | 20 |
| Methyl tert butyl ether | 100 | | 97 | | 63-130 | 3 | | 20 |
| p/m-Xylene | 90 | | 90 | | 70-130 | 0 | | 20 |
| o-Xylene | 90 | | 90 | | 70-130 | 0 | | 20 |
| cis-1,2-Dichloroethene | 100 | | 100 | | 70-130 | 0 | | 20 |
| Styrene | 90 | | 90 | | 70-130 | 0 | | 20 |
| Dichlorodifluoromethane | 96 | | 97 | | 36-147 | 1 | | 20 |
| Acetone | 110 | | 110 | | 58-148 | 0 | | 20 |
| Carbon disulfide | 120 | | 120 | | 51-130 | 0 | | 20 |
| 2-Butanone | 100 | | 97 | | 63-138 | 3 | | 20 |
| 4-Methyl-2-pentanone | 87 | | 80 | | 59-130 | 8 | | 20 |
| 2-Hexanone | 88 | | 82 | | 57-130 | 7 | | 20 |
| Bromochloromethane | 100 | | 100 | | 70-130 | 0 | | 20 |
| 1,2-Dibromoethane | 91 | | 88 | | 70-130 | 3 | | 20 |
| 1,2-Dibromo-3-chloropropane | 73 | | 69 | | 41-144 | 6 | | 20 |
| Isopropylbenzene | 91 | | 91 | | 70-130 | 0 | | 20 |
| 1,2,3-Trichlorobenzene | 87 | | 85 | | 70-130 | 2 | | 20 |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** 275 FRANKLIN STREET SITE

**Project Number:** B0156-022-001

**Lab Number:** L2317820

**Report Date:** 04/12/23

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08-12 Batch: WG1765086-3 WG1765086-4 | | | | | | | | |
| 1,2,4-Trichlorobenzene | 87 | | 85 | | 70-130 | 2 | | 20 |
| Methyl Acetate | 110 | | 100 | | 70-130 | 10 | | 20 |
| Cyclohexane | 110 | | 110 | | 70-130 | 0 | | 20 |
| 1,4-Dioxane | 74 | | 74 | | 56-162 | 0 | | 20 |
| Freon-113 | 120 | | 120 | | 70-130 | 0 | | 20 |
| Methyl cyclohexane | 100 | | 100 | | 70-130 | 0 | | 20 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|---|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 110 | | 107 | | 70-130 |
| Toluene-d8 | 99 | | 100 | | 70-130 |
| 4-Bromofluorobenzene | 96 | | 97 | | 70-130 |
| Dibromofluoromethane | 108 | | 107 | | 70-130 |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 275 FRANKLIN STREET SITE
**Project Number:** B0156-022-001

**Lab Number:** L2317820
**Report Date:** 04/12/23

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,04 Batch: WG1765146-3 WG1765146-4 | | | | | | | | |
| Methylene chloride | 89 | | 90 | | 70-130 | 1 | | 20 |
| 1,1-Dichloroethane | 90 | | 90 | | 70-130 | 0 | | 20 |
| Chloroform | 90 | | 91 | | 70-130 | 1 | | 20 |
| Carbon tetrachloride | 97 | | 97 | | 63-132 | 0 | | 20 |
| 1,2-Dichloropropane | 93 | | 92 | | 70-130 | 1 | | 20 |
| Dibromochloromethane | 89 | | 89 | | 63-130 | 0 | | 20 |
| 1,1,2-Trichloroethane | 92 | | 92 | | 70-130 | 0 | | 20 |
| Tetrachloroethene | 98 | | 93 | | 70-130 | 5 | | 20 |
| Chlorobenzene | 95 | | 91 | | 75-130 | 4 | | 20 |
| Trichlorofluoromethane | 98 | | 97 | | 62-150 | 1 | | 20 |
| 1,2-Dichloroethane | 90 | | 92 | | 70-130 | 2 | | 20 |
| 1,1,1-Trichloroethane | 94 | | 94 | | 67-130 | 0 | | 20 |
| Bromodichloromethane | 88 | | 88 | | 67-130 | 0 | | 20 |
| trans-1,3-Dichloropropene | 92 | | 90 | | 70-130 | 2 | | 20 |
| cis-1,3-Dichloropropene | 90 | | 91 | | 70-130 | 1 | | 20 |
| Bromoform | 88 | | 89 | | 54-136 | 1 | | 20 |
| 1,1,2,2-Tetrachloroethane | 87 | | 90 | | 67-130 | 3 | | 20 |
| Benzene | 94 | | 92 | | 70-130 | 2 | | 20 |
| Toluene | 95 | | 91 | | 70-130 | 4 | | 20 |
| Ethylbenzene | 97 | | 94 | | 70-130 | 3 | | 20 |
| Chloromethane | 91 | | 90 | | 64-130 | 1 | | 20 |
| Bromomethane | 63 | | 70 | | 39-139 | 11 | | 20 |
| Vinyl chloride | 92 | | 92 | | 55-140 | 0 | | 20 |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** 275 FRANKLIN STREET SITE

**Project Number:** B0156-022-001

**Lab Number:** L2317820

**Report Date:** 04/12/23

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,04 Batch: WG1765146-3 WG1765146-4 | | | | | | | | |
| Chloroethane | 92 | | 92 | | 55-138 | 0 | | 20 |
| 1,1-Dichloroethene | 94 | | 93 | | 61-145 | 1 | | 20 |
| trans-1,2-Dichloroethene | 93 | | 90 | | 70-130 | 3 | | 20 |
| Trichloroethene | 93 | | 92 | | 70-130 | 1 | | 20 |
| 1,2-Dichlorobenzene | 95 | | 92 | | 70-130 | 3 | | 20 |
| 1,3-Dichlorobenzene | 98 | | 93 | | 70-130 | 5 | | 20 |
| 1,4-Dichlorobenzene | 96 | | 91 | | 70-130 | 5 | | 20 |
| Methyl tert butyl ether | 91 | | 96 | | 63-130 | 5 | | 20 |
| p/m-Xylene | 100 | | 95 | | 70-130 | 5 | | 20 |
| o-Xylene | 100 | | 100 | | 70-130 | 0 | | 20 |
| cis-1,2-Dichloroethene | 95 | | 94 | | 70-130 | 1 | | 20 |
| Styrene | 95 | | 95 | | 70-130 | 0 | | 20 |
| Dichlorodifluoromethane | 91 | | 91 | | 36-147 | 0 | | 20 |
| Acetone | 93 | | 100 | | 58-148 | 7 | | 20 |
| Carbon disulfide | 95 | | 92 | | 51-130 | 3 | | 20 |
| 2-Butanone | 92 | | 100 | | 63-138 | 8 | | 20 |
| 4-Methyl-2-pentanone | 85 | | 92 | | 59-130 | 8 | | 20 |
| 2-Hexanone | 84 | | 95 | | 57-130 | 12 | | 20 |
| Bromochloromethane | 91 | | 95 | | 70-130 | 4 | | 20 |
| 1,2-Dibromoethane | 93 | | 93 | | 70-130 | 0 | | 20 |
| 1,2-Dibromo-3-chloropropane | 86 | | 92 | | 41-144 | 7 | | 20 |
| Isopropylbenzene | 100 | | 97 | | 70-130 | 3 | | 20 |
| 1,2,3-Trichlorobenzene | 94 | | 94 | | 70-130 | 0 | | 20 |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 275 FRANKLIN STREET SITE
**Project Number:** B0156-022-001

**Lab Number:** L2317820
**Report Date:** 04/12/23

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,04 Batch: WG1765146-3 WG1765146-4 | | | | | | | | |
| 1,2,4-Trichlorobenzene | 93 | | 91 | | 70-130 | 2 | | 20 |
| Methyl Acetate | 85 | | 92 | | 70-130 | 8 | | 20 |
| Cyclohexane | 97 | | 96 | | 70-130 | 1 | | 20 |
| 1,4-Dioxane | 104 | | 106 | | 56-162 | 2 | | 20 |
| Freon-113 | 94 | | 95 | | 70-130 | 1 | | 20 |
| Methyl cyclohexane | 92 | | 90 | | 70-130 | 2 | | 20 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|---|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 91 | | 97 | | 70-130 |
| Toluene-d8 | 103 | | 101 | | 70-130 |
| 4-Bromofluorobenzene | 102 | | 103 | | 70-130 |
| Dibromofluoromethane | 93 | | 97 | | 70-130 |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 275 FRANKLIN STREET SITE
**Project Number:** B0156-022-001

**Lab Number:** L2317820
**Report Date:** 04/12/23

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03,05-07,13 Batch: WG1765246-3 WG1765246-4 | | | | | | | | |
| Methylene chloride | 100 | | 110 | | 70-130 | 10 | | 20 |
| 1,1-Dichloroethane | 110 | | 120 | | 70-130 | 9 | | 20 |
| Chloroform | 100 | | 110 | | 70-130 | 10 | | 20 |
| Carbon tetrachloride | 95 | | 100 | | 63-132 | 5 | | 20 |
| 1,2-Dichloropropane | 100 | | 120 | | 70-130 | 18 | | 20 |
| Dibromochloromethane | 79 | | 94 | | 63-130 | 17 | | 20 |
| 1,1,2-Trichloroethane | 88 | | 100 | | 70-130 | 13 | | 20 |
| Tetrachloroethene | 91 | | 100 | | 70-130 | 9 | | 20 |
| Chlorobenzene | 98 | | 110 | | 75-130 | 12 | | 20 |
| Trichlorofluoromethane | 100 | | 120 | | 62-150 | 18 | | 20 |
| 1,2-Dichloroethane | 100 | | 110 | | 70-130 | 10 | | 20 |
| 1,1,1-Trichloroethane | 99 | | 110 | | 67-130 | 11 | | 20 |
| Bromodichloromethane | 90 | | 100 | | 67-130 | 11 | | 20 |
| trans-1,3-Dichloropropene | 79 | | 88 | | 70-130 | 11 | | 20 |
| cis-1,3-Dichloropropene | 85 | | 97 | | 70-130 | 13 | | 20 |
| Bromoform | 74 | | 84 | | 54-136 | 13 | | 20 |
| 1,1,2,2-Tetrachloroethane | 90 | | 100 | | 67-130 | 11 | | 20 |
| Benzene | 100 | | 120 | | 70-130 | 18 | | 20 |
| Toluene | 97 | | 110 | | 70-130 | 13 | | 20 |
| Ethylbenzene | 99 | | 110 | | 70-130 | 11 | | 20 |
| Chloromethane | 120 | | **140** | Q | 64-130 | 15 | | 20 |
| Bromomethane | 53 | | 69 | | 39-139 | **26** | Q | 20 |
| Vinyl chloride | 120 | | **150** | Q | 55-140 | **22** | Q | 20 |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 275 FRANKLIN STREET SITE
**Project Number:** B0156-022-001

**Lab Number:** L2317820
**Report Date:** 04/12/23

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03,05-07,13 Batch: WG1765246-3 WG1765246-4 | | | | | | | | |
| Chloroethane | **140** | Q | **180** | Q | 55-138 | **25** | Q | 20 |
| 1,1-Dichloroethene | 110 | | 130 | | 61-145 | 17 | | 20 |
| trans-1,2-Dichloroethene | 110 | | 120 | | 70-130 | 9 | | 20 |
| Trichloroethene | 95 | | 120 | | 70-130 | **23** | Q | 20 |
| 1,2-Dichlorobenzene | 96 | | 110 | | 70-130 | 14 | | 20 |
| 1,3-Dichlorobenzene | 96 | | 110 | | 70-130 | 14 | | 20 |
| 1,4-Dichlorobenzene | 93 | | 110 | | 70-130 | 17 | | 20 |
| Methyl tert butyl ether | 89 | | 99 | | 63-130 | 11 | | 20 |
| p/m-Xylene | 95 | | 105 | | 70-130 | 10 | | 20 |
| o-Xylene | 95 | | 105 | | 70-130 | 10 | | 20 |
| cis-1,2-Dichloroethene | 100 | | 120 | | 70-130 | 18 | | 20 |
| Styrene | 95 | | 105 | | 70-130 | 10 | | 20 |
| Dichlorodifluoromethane | 99 | | 120 | | 36-147 | 19 | | 20 |
| Acetone | 95 | | 110 | | 58-148 | 15 | | 20 |
| Carbon disulfide | 120 | | 130 | | 51-130 | 8 | | 20 |
| 2-Butanone | 84 | | 82 | | 63-138 | 2 | | 20 |
| 4-Methyl-2-pentanone | 84 | | 100 | | 59-130 | 17 | | 20 |
| 2-Hexanone | 82 | | 91 | | 57-130 | 10 | | 20 |
| Bromochloromethane | 100 | | 120 | | 70-130 | 18 | | 20 |
| 1,2-Dibromoethane | 82 | | 94 | | 70-130 | 14 | | 20 |
| 1,2-Dibromo-3-chloropropane | 68 | | 83 | | 41-144 | 20 | | 20 |
| Isopropylbenzene | 94 | | 100 | | 70-130 | 6 | | 20 |
| 1,2,3-Trichlorobenzene | 93 | | 100 | | 70-130 | 7 | | 20 |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 275 FRANKLIN STREET SITE
**Project Number:** B0156-022-001

**Lab Number:** L2317820
**Report Date:** 04/12/23

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03,05-07,13 Batch: WG1765246-3 WG1765246-4 | | | | | | | | |
| 1,2,4-Trichlorobenzene | 94 | | 100 | | 70-130 | 6 | | 20 |
| Methyl Acetate | 110 | | 130 | | 70-130 | 17 | | 20 |
| Cyclohexane | 120 | | **150** | Q | 70-130 | **22** | Q | 20 |
| 1,4-Dioxane | 86 | | 114 | | 56-162 | **28** | Q | 20 |
| Freon-113 | 110 | | 130 | | 70-130 | 17 | | 20 |
| Methyl cyclohexane | 96 | | 110 | | 70-130 | 14 | | 20 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|---|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 107 | | 99 | | 70-130 |
| Toluene-d8 | 100 | | 101 | | 70-130 |
| 4-Bromofluorobenzene | 94 | | 93 | | 70-130 |
| Dibromofluoromethane | 107 | | 104 | | 70-130 |

# Matrix Spike Analysis

## Batch Quality Control

**Project Name:** 275 FRANKLIN STREET SITE

**Project Number:** B0156-022-001

**Lab Number:** L2317820

**Report Date:** 04/12/23

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | Qual | MSD Found | MSD %Recovery | Qual | Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08-12 QC Batch ID: WG1765086-6 WG1765086-7 QC Sample: L2317820-10 Client ID: MW-24S | | | | | | | | | | | | |
| Methylene chloride | ND | 50 | 49 | 98 | | 51 | 102 | | 70-130 | 4 | | 20 |
| 1,1-Dichloroethane | ND | 50 | 53 | 106 | | 56 | 112 | | 70-130 | 6 | | 20 |
| Chloroform | ND | 50 | 51 | 102 | | 53 | 106 | | 70-130 | 4 | | 20 |
| Carbon tetrachloride | ND | 50 | 49 | 98 | | 56 | 112 | | 63-132 | 13 | | 20 |
| 1,2-Dichloropropane | ND | 50 | 50 | 100 | | 53 | 106 | | 70-130 | 6 | | 20 |
| Dibromochloromethane | ND | 50 | 39 | 78 | | 42 | 84 | | 63-130 | 7 | | 20 |
| 1,1,2-Trichloroethane | ND | 50 | 42 | 84 | | 45 | 90 | | 70-130 | 7 | | 20 |
| Tetrachloroethene | 640 | 50 | 610 | **0** | Q | 260 | **0** | Q | 70-130 | **80** | Q | 20 |
| Chlorobenzene | ND | 50 | 44 | 88 | | 48 | 96 | | 75-130 | 9 | | 20 |
| Trichlorofluoromethane | ND | 50 | 62 | 124 | | 71 | 142 | | 62-150 | 14 | | 20 |
| 1,2-Dichloroethane | ND | 50 | 50 | 100 | | 54 | 108 | | 70-130 | 8 | | 20 |
| 1,1,1-Trichloroethane | ND | 50 | 51 | 102 | | 56 | 112 | | 67-130 | 9 | | 20 |
| Bromodichloromethane | ND | 50 | 45 | 90 | | 49 | 98 | | 67-130 | 9 | | 20 |
| trans-1,3-Dichloropropene | ND | 50 | 40 | 80 | | 44 | 88 | | 70-130 | 10 | | 20 |
| cis-1,3-Dichloropropene | ND | 50 | 43 | 86 | | 48 | 96 | | 70-130 | 11 | | 20 |
| Bromoform | ND | 50 | 34 | 68 | | 37 | 74 | | 54-136 | 8 | | 20 |
| 1,1,2,2-Tetrachloroethane | ND | 50 | 42 | 84 | | 46 | 92 | | 67-130 | 9 | | 20 |
| Benzene | ND | 50 | 51 | 102 | | 55 | 110 | | 70-130 | 8 | | 20 |
| Toluene | ND | 50 | 45 | 90 | | 50 | 100 | | 70-130 | 11 | | 20 |
| Ethylbenzene | ND | 50 | 44 | 88 | | 50 | 100 | | 70-130 | 13 | | 20 |
| Chloromethane | ND | 50 | 46 | 92 | | 50 | 100 | | 64-130 | 8 | | 20 |
| Bromomethane | ND | 50 | 28 | 56 | | 35 | 70 | | 39-139 | **22** | Q | 20 |
| Vinyl chloride | ND | 50 | 61 | 122 | | 67 | 134 | | 55-140 | 9 | | 20 |

# Matrix Spike Analysis
## *Batch Quality Control*

**Project Name:** 275 FRANKLIN STREET SITE
**Project Number:** B0156-022-001
**Lab Number:** L2317820
**Report Date:** 04/12/23

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | Qual | MSD Found | MSD %Recovery | Qual | Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08-12 QC Batch ID: WG1765086-6 WG1765086-7 QC Sample: L2317820-10 Client ID: MW-24S | | | | | | | | | | | | |
| Chloroethane | ND | 50 | 65 | 130 | | 68 | 136 | | 55-138 | 5 | | 20 |
| 1,1-Dichloroethene | ND | 50 | 60 | 120 | | 65 | 130 | | 61-145 | 8 | | 20 |
| trans-1,2-Dichloroethene | ND | 50 | 52 | 104 | | 55 | 110 | | 70-130 | 6 | | 20 |
| Trichloroethene | 1.6J | 50 | 49 | 98 | | 59 | 118 | | 70-130 | 19 | | 20 |
| 1,2-Dichlorobenzene | ND | 50 | 42 | 84 | | 46 | 92 | | 70-130 | 9 | | 20 |
| 1,3-Dichlorobenzene | ND | 50 | 42 | 84 | | 46 | 92 | | 70-130 | 9 | | 20 |
| 1,4-Dichlorobenzene | ND | 50 | 42 | 84 | | 46 | 92 | | 70-130 | 9 | | 20 |
| Methyl tert butyl ether | ND | 50 | 47 | 94 | | 49 | 98 | | 63-130 | 4 | | 20 |
| p/m-Xylene | ND | 100 | 88 | 88 | | 97 | 97 | | 70-130 | 10 | | 20 |
| o-Xylene | ND | 100 | 86 | 86 | | 95 | 95 | | 70-130 | 10 | | 20 |
| cis-1,2-Dichloroethene | ND | 50 | 52 | 104 | | 100 | **200** | Q | 70-130 | **63** | Q | 20 |
| Styrene | ND | 100 | 84 | 84 | | 91 | 91 | | 70-130 | 8 | | 20 |
| Dichlorodifluoromethane | ND | 50 | 46 | 92 | | 53 | 106 | | 36-147 | 14 | | 20 |
| Acetone | ND | 50 | 39 | 78 | | 38 | 76 | | 58-148 | 3 | | 20 |
| Carbon disulfide | ND | 50 | 58 | 116 | | 64 | 128 | | 51-130 | 10 | | 20 |
| 2-Butanone | ND | 50 | 38 | 76 | | 43 | 86 | | 63-138 | 12 | | 20 |
| 4-Methyl-2-pentanone | ND | 50 | 39 | 78 | | 41 | 82 | | 59-130 | 5 | | 20 |
| 2-Hexanone | ND | 50 | 34 | 68 | | 38 | 76 | | 57-130 | 11 | | 20 |
| Bromochloromethane | ND | 50 | 49 | 98 | | 51 | 102 | | 70-130 | 4 | | 20 |
| 1,2-Dibromoethane | ND | 50 | 41 | 82 | | 45 | 90 | | 70-130 | 9 | | 20 |
| 1,2-Dibromo-3-chloropropane | ND | 50 | 31 | 62 | | 33 | 66 | | 41-144 | 6 | | 20 |
| Isopropylbenzene | ND | 50 | 43 | 86 | | 48 | 96 | | 70-130 | 11 | | 20 |
| 1,2,3-Trichlorobenzene | ND | 50 | 39 | 78 | | 42 | 84 | | 70-130 | 7 | | 20 |

# Matrix Spike Analysis

## Batch Quality Control

**Project Name:** 275 FRANKLIN STREET SITE

**Project Number:** B0156-022-001

**Lab Number:** L2317820

**Report Date:** 04/12/23

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | Qual | MSD Found | MSD %Recovery | Qual | Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08-12 QC Batch ID: WG1765086-6 WG1765086-7 QC Sample: L2317820-10 Client ID: MW-24S | | | | | | | | | | | | |
| 1,2,4-Trichlorobenzene | ND | 50 | 38 | 76 | | 43 | 86 | | 70-130 | 12 | | 20 |
| Methyl Acetate | ND | 50 | 45 | 90 | | 51 | 102 | | 70-130 | 13 | | 20 |
| Cyclohexane | ND | 50 | 50 | 100 | | 60 | 120 | | 70-130 | 18 | | 20 |
| 1,4-Dioxane | ND | 2500 | 1200 | **48** | Q | 1100J | **44** | Q | 56-162 | 9 | | 20 |
| Freon-113 | ND | 50 | 59 | 118 | | 70 | **140** | Q | 70-130 | 17 | | 20 |
| Methyl cyclohexane | ND | 50 | 47J | 94 | | 58 | 116 | | 70-130 | **21** | Q | 20 |

| Surrogate | MS % Recovery | MS Qualifier | MSD % Recovery | MSD Qualifier | Acceptance Criteria |
|---|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 106 | | 109 | | 70-130 |
| 4-Bromofluorobenzene | 98 | | 95 | | 70-130 |
| Dibromofluoromethane | 107 | | 108 | | 70-130 |
| Toluene-d8 | 98 | | 98 | | 70-130 |

**Project Name:** 275 FRANKLIN STREET SITE
**Project Number:** B0156-022-001

**Lab Number:** L2317820
**Report Date:** 04/12/23

## Sample Receipt and Container Information

Were project specific reporting limits specified? YES

### Cooler Information

| Cooler | Custody Seal |
|---|---|
| A | Absent |

### Container Information

| Container ID | Container Type | Cooler | Initial pH | Final pH | Temp deg C | Pres | Seal | Frozen Date/Time | Analysis(*) |
|---|---|---|---|---|---|---|---|---|---|
| L2317820-01A | Vial HCl preserved | A | NA | | 2.5 | Y | Absent | | NYTCL-8260-R2(14) |
| L2317820-01B | Vial HCl preserved | A | NA | | 2.5 | Y | Absent | | NYTCL-8260-R2(14) |
| L2317820-01C | Vial HCl preserved | A | NA | | 2.5 | Y | Absent | | NYTCL-8260-R2(14) |
| L2317820-02A | Vial HCl preserved | A | NA | | 2.5 | Y | Absent | | NYTCL-8260-R2(14) |
| L2317820-02B | Vial HCl preserved | A | NA | | 2.5 | Y | Absent | | NYTCL-8260-R2(14) |
| L2317820-02C | Vial HCl preserved | A | NA | | 2.5 | Y | Absent | | NYTCL-8260-R2(14) |
| L2317820-03A | Vial HCl preserved | A | NA | | 2.5 | Y | Absent | | NYTCL-8260-R2(14) |
| L2317820-03B | Vial HCl preserved | A | NA | | 2.5 | Y | Absent | | NYTCL-8260-R2(14) |
| L2317820-03C | Vial HCl preserved | A | NA | | 2.5 | Y | Absent | | NYTCL-8260-R2(14) |
| L2317820-04A | Vial HCl preserved | A | NA | | 2.5 | Y | Absent | | NYTCL-8260-R2(14) |
| L2317820-04B | Vial HCl preserved | A | NA | | 2.5 | Y | Absent | | NYTCL-8260-R2(14) |
| L2317820-04C | Vial HCl preserved | A | NA | | 2.5 | Y | Absent | | NYTCL-8260-R2(14) |
| L2317820-05A | Vial HCl preserved | A | NA | | 2.5 | Y | Absent | | NYTCL-8260-R2(14) |
| L2317820-05B | Vial HCl preserved | A | NA | | 2.5 | Y | Absent | | NYTCL-8260-R2(14) |
| L2317820-05C | Vial HCl preserved | A | NA | | 2.5 | Y | Absent | | NYTCL-8260-R2(14) |
| L2317820-06A | Vial HCl preserved | A | NA | | 2.5 | Y | Absent | | NYTCL-8260-R2(14) |
| L2317820-06B | Vial HCl preserved | A | NA | | 2.5 | Y | Absent | | NYTCL-8260-R2(14) |
| L2317820-06C | Vial HCl preserved | A | NA | | 2.5 | Y | Absent | | NYTCL-8260-R2(14) |
| L2317820-07A | Vial HCl preserved | A | NA | | 2.5 | Y | Absent | | NYTCL-8260-R2(14) |
| L2317820-07B | Vial HCl preserved | A | NA | | 2.5 | Y | Absent | | NYTCL-8260-R2(14) |
| L2317820-07C | Vial HCl preserved | A | NA | | 2.5 | Y | Absent | | NYTCL-8260-R2(14) |
| L2317820-08A | Vial HCl preserved | A | NA | | 2.5 | Y | Absent | | NYTCL-8260-R2(14) |
| L2317820-08B | Vial HCl preserved | A | NA | | 2.5 | Y | Absent | | NYTCL-8260-R2(14) |



*Values in parentheses indicate holding time in days

**Project Name:** 275 FRANKLIN STREET SITE
**Project Number:** B0156-022-001

**Lab Number:** L2317820
**Report Date:** 04/12/23

## Container Information

| Container ID | Container Type | Cooler | Initial pH | Final pH | Temp deg C | Pres | Seal | Frozen Date/Time | Analysis(*) |
|---|---|---|---|---|---|---|---|---|---|
| L2317820-08C | Vial HCl preserved | A | NA | | 2.5 | Y | Absent | | NYTCL-8260-R2(14) |
| L2317820-09A | Vial HCl preserved | A | NA | | 2.5 | Y | Absent | | NYTCL-8260-R2(14) |
| L2317820-09B | Vial HCl preserved | A | NA | | 2.5 | Y | Absent | | NYTCL-8260-R2(14) |
| L2317820-09C | Vial HCl preserved | A | NA | | 2.5 | Y | Absent | | NYTCL-8260-R2(14) |
| L2317820-10A | Vial HCl preserved | A | NA | | 2.5 | Y | Absent | | NYTCL-8260-R2(14) |
| L2317820-10A1 | Vial HCl preserved | A | NA | | 2.5 | Y | Absent | | NYTCL-8260-R2(14) |
| L2317820-10A2 | Vial HCl preserved | A | NA | | 2.5 | Y | Absent | | NYTCL-8260-R2(14) |
| L2317820-10B | Vial HCl preserved | A | NA | | 2.5 | Y | Absent | | NYTCL-8260-R2(14) |
| L2317820-10B1 | Vial HCl preserved | A | NA | | 2.5 | Y | Absent | | NYTCL-8260-R2(14) |
| L2317820-10B2 | Vial HCl preserved | A | NA | | 2.5 | Y | Absent | | NYTCL-8260-R2(14) |
| L2317820-10C | Vial HCl preserved | A | NA | | 2.5 | Y | Absent | | NYTCL-8260-R2(14) |
| L2317820-10C1 | Vial HCl preserved | A | NA | | 2.5 | Y | Absent | | NYTCL-8260-R2(14) |
| L2317820-10C2 | Vial HCl preserved | A | NA | | 2.5 | Y | Absent | | NYTCL-8260-R2(14) |
| L2317820-11A | Vial HCl preserved | A | NA | | 2.5 | Y | Absent | | NYTCL-8260-R2(14) |
| L2317820-11B | Vial HCl preserved | A | NA | | 2.5 | Y | Absent | | NYTCL-8260-R2(14) |
| L2317820-11C | Vial HCl preserved | A | NA | | 2.5 | Y | Absent | | NYTCL-8260-R2(14) |
| L2317820-12A | Vial HCl preserved | A | NA | | 2.5 | Y | Absent | | NYTCL-8260-R2(14) |
| L2317820-12B | Vial HCl preserved | A | NA | | 2.5 | Y | Absent | | NYTCL-8260-R2(14) |
| L2317820-12C | Vial HCl preserved | A | NA | | 2.5 | Y | Absent | | NYTCL-8260-R2(14) |
| L2317820-13A | Vial HCl preserved | A | NA | | 2.5 | Y | Absent | | NYTCL-8260-R2(14) |
| L2317820-13B | Vial HCl preserved | A | NA | | 2.5 | Y | Absent | | NYTCL-8260-R2(14) |



*Values in parentheses indicate holding time in days

| | | | |
|---|---|---|---|
| **Project Name:** | 275 FRANKLIN STREET SITE | **Lab Number:** | L2317820 |
| **Project Number:** | B0156-022-001 | **Report Date:** | 04/12/23 |

## GLOSSARY

***Acronyms***

| | |
|---|---|
| DL | - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) |
| EDL | - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME). |
| EMPC | - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration. |
| EPA | - Environmental Protection Agency. |
| LCS | - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes. |
| LCSD | - Laboratory Control Sample Duplicate: Refer to LCS. |
| LFB | - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes. |
| LOD | - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) |
| LOQ | - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)<br><br>Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) |
| MDL | - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. |
| MS | - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values. |
| MSD | - Matrix Spike Sample Duplicate: Refer to MS. |
| NA | - Not Applicable. |
| NC | - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit. |
| NDPA/DPA | - N-Nitrosodiphenylamine/Diphenylamine. |
| NI | - Not Ignitable. |
| NP | - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil. |
| NR | - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests. |
| RL | - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable. |
| RPD | - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report. |
| SRM | - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples. |
| STLP | - Semi-dynamic Tank Leaching Procedure per EPA Method 1315. |
| TEF | - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD. |
| TEQ | - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values. |
| TIC | - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations. |

*Report Format: DU Report with 'J' Qualifiers*

| | | | |
|---|---|---|---|
| **Project Name:** | 275 FRANKLIN STREET SITE | **Lab Number:** | L2317820 |
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***Footnotes***

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

***Terms***

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

***Data Qualifiers***

**A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

**B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

**C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

**D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

**E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

**F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

**G** - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

**H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

**I** - The lower value for the two columns has been reported due to obvious interference.

**J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

*Report Format: DU Report with 'J' Qualifiers*

| | | | |
|---|---|---|---|
| **Project Name:** | 275 FRANKLIN STREET SITE | **Lab Number:** | L2317820 |
| **Project Number:** | B0156-022-001 | **Report Date:** | 04/12/23 |

***Data Qualifiers***

Identified Compounds (TICs).

**M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

**ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

**NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

**P** - The RPD between the results for the two columns exceeds the method-specified criteria.

**Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

**R** - Analytical results are from sample re-analysis.

**RE** - Analytical results are from sample re-extraction.

**S** - Analytical results are from modified screening analysis.

**V** - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

**Z** - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

| | | | |
|---|---|---|---|
| **Project Name:** | 275 FRANKLIN STREET SITE | **Lab Number:** | L2317820 |
| **Project Number:** | B0156-022-001 | **Report Date:** | 04/12/23 |

## REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

# Certification Information

**The following analytes are not included in our Primary NELAP Scope of Accreditation:**

**Westborough Facility**
**EPA 624/624.1:** m/p-xylene, o-xylene, Naphthalene
**EPA 625/625.1:** alpha-Terpineol
**EPA 8260C/8260D:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
**EPA 8270D/8270E:** NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
**SM4500**: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

**Mansfield Facility**
**SM 2540D:** TSS
**EPA 8082A:** NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
**Biological Tissue Matrix:** EPA 3050B

**The following analytes are included in our Massachusetts DEP Scope of Accreditation**

**Westborough Facility:**

***Drinking Water***
**EPA 300.0**: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
**EPA 332**: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
**Microbiology**: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

***Non-Potable Water***
**SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
**EPA 624.1**: Volatile Halocarbons & Aromatics,
**EPA 608.3**: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
**EPA 625.1**: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
**Microbiology**: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

**Mansfield Facility:**

***Drinking Water***
**EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
**EPA 522, EPA 537.1.**

***Non-Potable Water***
**EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
**EPA 245.1** Hg.
**SM2340B**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

ALPHA ANALYTICAL

# NEW YORK CHAIN OF CUSTODY

Westborough, MA 01581 — 8 Walkup Dr. — TEL: 508-898-9220 — FAX: 508-898-9193
Mansfield, MA 02048 — 320 Forbes Blvd — TEL: 508-822-9300 — FAX: 508-822-3288

**Service Centers**
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 2

Date Rec'd in Lab: 4/5/23

ALPHA Job #: L2317820

## Client Information
Client: Benchmark
Address: 2558 Hamburg Turnpike
Buffalo, NY
Phone: 716-856-0599
Fax:
Email: Lriker@bm-tk.com

## Project Information
Project Name: 275 Franklin Street Site
Project Location: Buffalo, NY
Project # B0156-022-001
(Use Project name as Project #) ☐
Project Manager:
ALPHAQuote #:

## Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

## Deliverables
☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

## Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

## Billing Information
☐ Same as Client Info
PO #

## Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

**Other project specific requirements/comments:**

CAT B

**Please specify Metals or TAL.**

**ANALYSIS**

**Sample Filtration**
☐ Done
☐ Lab to do
*Preservation*
☐ Lab to do
*(Please Specify below)*

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | TCL VOCs 8260 | Total Bottle | Sample Specific Comments |
|---|---|---|---|---|---|---|---|---|
| 17820-01 | PZ-4R | 4-4-22 | 1345 | water | CEH | X | | |
| 02 | MW-5R | | 1025 | | | X | | |
| 03 | PZ-5 | | 1234 | | | X | | |
| 04 | PZ-6 | | 1305 | | | X | | |
| 05 | PZ-11 | | 1200 | | | X | | |
| 06 | PZ-12 | | 1130 | | | X | | |
| 07 | PZ-13 | | 1050 | | | X | | |
| 08 | PZ-14 | | 1010 | | | X | | |
| 09 | MW-24D | | 1150 | | | X | | |
| 10 | MW-24S | | 1250 | | | X | | |

Preservative Code:
A = None
B = HCl
C = $HNO_3$
D = $H_2SO_4$
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Container Type | V | | | | | | | | | | | |
| Preservative | B | | | | | | | | | | | |

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| Chester Herbeata | 4-4-23 1600 | Jon AL AAL | 4/5/23 13:35 |
| Jon AL AAL | 4/5/23 15:10 | | 4/5/23 2350 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

# NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

**Service Centers**
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 2 of 2

Date Rec'd in Lab: 4/5/23

ALPHA Job #: L2317820

**Client Information**
Client: Benchmark
Address: 2558 Hamburg Turnpike
Buffalo, NY
Phone: 716-856-0599
Fax:
Email: Laiker@bm-hk.com

**Project Information**
Project Name: 275 Franklin
Project Location: Buffalo, NY
Project # B0150-022-001
(Use Project name as Project #) ☐
Project Manager:
ALPHAQuote #:

**Turn-Around Time**
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

**Deliverables**
☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

**Regulatory Requirement**
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

**Billing Information**
☐ Same as Client Info
PO #

**Disposal Site Information**
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

**Other project specific requirements/comments:**

CAT B

**Please specify Metals or TAL.**

**ANALYSIS**

TCL VOCs 8260

**Sample Filtration**
☐ Done
☐ Lab to do
**Preservation**
☐ Lab to do
*(Please Specify below)*

Total Bottle

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | Sample Specific Comments |
|---|---|---|---|---|---|---|
| 17820-10 | MW-245 MS | 4-4-23 | 1250 | water | CEH | |
| | MW-245 MSD | | 1250 | | | |
| 11 | Blind Dup | | 0800 | | | |
| 12 | MW-235 | | 1430 | | | |
| 13 | Trip Blank | | | | | |

Preservative Code:
A = None
B = HCl
C = $HNO_3$
D = $H_2SO_4$
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Container Type | V | | | | | | | | | |
| Preservative | B | | | | | | | | | |

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| Chester Herbster | 4-4-23/1600 | JmAL AAL | 4/5/23 13:35 |
| JmAL AAL | 4/5/23 16:10 | | 4/5/23 2357 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

# GROUNDWATER FIELD FORM

Project Name: 275 Franklin | Date: 4-4-23

Location: | Project No.: | Field Team: CEH

| Well No. PZ-4R | | | Diameter (inches): 1 | | | Sample Date / Time: 4-4-23 / 1345 | | | |
|---|---|---|---|---|---|---|---|---|---|
| Product Depth (fbTOR): | | | Water Column (ft): 5.33 | | | DTW when sampled: 11.18 | | | |
| DTW (static) (fbTOR): 11.17 | | | One Well Volume (gal): 0.22 | | | Purpose: ☐ Development ☐ Sample ☒ Purge & Sample | | | |
| Total Depth (fbTOR): 16.5 | | | Total Volume Purged (gal): 1.75 | | | Purge Method: Peristaltic Pump | | | |
| Time | Water Level (fbTOR) | Acc. Volume (gallons) | pH (units) | Temp. (deg. C) | SC (uS) | Turbidity (NTU) | DO (mg/L) | ORP (mV) | Appearance & Odor |
| 1330 | 0 Initial | 0.00 | 7.76 | 12.2 | 3060 | 13.3 | 8.57 | 177 | Clear, no odor |
| 1336 | 1 | 0.25 | 7.70 | 11.5 | 2877 | 21.2 | 9.04 | 178 | " " " |
| 1339 | 2 | 0.50 | 7.73 | 11.3 | 2798 | 95.8 | 9.08 | 178 | SL Turbid, no odor |
| 1342 | 3 | 0.75 | 7.65 | 11.4 | 2721 | 177 | 9.23 | 178 | " " " " |
| 1344 | 4 | 1.00 | 7.73 | 11.3 | 2653 | 241 | 9.22 | 168 | " " " " |
| | 5 | | | | | | | | |
| | 6 | | | | | | | | |
| | 7 | | | | | | | | |
| | 8 | | | | | | | | |
| | 9 | | | | | | | | |
| | 10 | | | | | | | | |
| **Sample Information:** | | | | | | | | | |
| 1345 | S1 11.18 | 1.25 | 7.74 | 11.4 | 2635 | 190 | 9.29 | 174 | SL Turbid, no odor |
| 1350 | S2 | 1.75 | 7.75 | 11.6 | 2616 | 262 | 9.28 | 174 | " " " " |

| Well No. | | | Diameter (inches): | | | Sample Date / Time: | | | |
|---|---|---|---|---|---|---|---|---|---|
| Product Depth (fbTOR): | | | Water Column (ft): | | | DTW when sampled: | | | |
| DTW (static) (fbTOR): | | | One Well Volume (gal): | | | Purpose: ☐ Development ☐ Sample ☐ Purge & Sample | | | |
| Total Depth (fbTOR): | | | Total Volume Purged (gal): | | | Purge Method: | | | |
| Time | Water Level (fbTOR) | Acc. Volume (gallons) | pH (units) | Temp. (deg. C) | SC (uS) | Turbidity (NTU) | DO (mg/L) | ORP (mV) | Appearance & Odor |
| | 0 Initial | | | | | | | | |
| | 1 | | | | | | | | |
| | 2 | | | | | | | | |
| | 3 | | | | | | | | |
| | 4 | | | | | | | | |
| | 5 | | | | | | | | |
| | 6 | | | | | | | | |
| | 7 | | | | | | | | |
| | 8 | | | | | | | | |
| | 9 | | | | | | | | |
| | 10 | | | | | | | | |
| **Sample Information:** | | | | | | | | | |
| | S1 | | | | | | | | |
| | S2 | | | | | | | | |

**REMARKS:**

*Note: All water level measurements are in feet, distance from top of riser.*

Volume Calculation

| Diam. | Vol. (g/ft) |
|---|---|
| 1" | 0.041 |
| 2" | 0.163 |
| 4" | 0.653 |
| 6" | 1.469 |

Stabilization Criteria

| Parameter | Criteria |
|---|---|
| pH | ± 0.1 unit |
| SC | ± 3% |
| Turbidity | ± 10% |
| DO | ± 0.3 mg/L |
| ORP | ± 10 mV |

**PREPARED BY:**

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

# GROUNDWATER FIELD FORM

Project Name: 275 Franklin | Date: 4-4-23

Location: | Project No.: | Field Team: CEH

| Well No. PZ-5 | | | Diameter (inches): 1 | | | Sample Date / Time: 4-4-23 / 1234 | | | |
|---|---|---|---|---|---|---|---|---|---|
| Product Depth (fbTOR): | | | Water Column (ft): 4.24 | | | DTW when sampled: 10.87 | | | |
| DTW (static) (fbTOR): 10.83 | | | One Well Volume (gal): 0.17 | | | Purpose: ☐ Development ☐ Sample ☒ Purge & Sample | | | |
| Total Depth (fbTOR): 15.07 | | | Total Volume Purged (gal): 1.50 | | | Purge Method: Perastaltic Pump | | | |
| Time | Water Level (fbTOR) | Acc. Volume (gallons) | pH (units) | Temp. (deg. C) | SC (uS) | Turbidity (NTU) | DO (mg/L) | ORP (mV) | Appearance & Odor |
| 1221 | 0 Initial | 0.00 | 7.32 | 13.2 | 3631 | 535 | 2.63 | 155 | Turbid, no odor |
| 1224 | 1 | 0.25 | 7.31 | 13.2 | 3493 | 93.5 | 4.21 | 131 | SL Turbid, no odor |
| 1226 | 2 | 0.50 | 7.32 | 13.1 | 3494 | 29.9 | 4.75 | 143 | clear, no odor |
| 1228 | 3 | 0.75 | 7.33 | 13.1 | 3485 | 86.6 | 5.12 | 151 | SL Turbid, no odor |
| 1230 | 4 | 1.00 | 7.36 | 13.1 | 3487 | 26.5 | 5.79 | 155 | clear, no odor |
| | 5 | | | | | | | | |
| | 6 | | | | | | | | |
| | 7 | | | | | | | | |
| | 8 | | | | | | | | |
| | 9 | | | | | | | | |
| | 10 | | | | | | | | |
| **Sample Information:** | | | | | | | | | |
| 1234 | S1 10.87 | 1.25 | 7.32 | 13.1 | 3492 | 9.51 | 5.77 | 160 | clear, no odor |
| 1238 | S2 | 1.50 | 7.35 | 13.4 | 3487 | 7.24 | 5.58 | 164 | " " " |

| Well No. PZ-6 | | | Diameter (inches): 1 | | | Sample Date / Time: 4-4-23 / 1305 | | | |
|---|---|---|---|---|---|---|---|---|---|
| Product Depth (fbTOR): | | | Water Column (ft): 6.61 | | | DTW when sampled: 10.86 | | | |
| DTW (static) (fbTOR): 10.84 | | | One Well Volume (gal): 0.27 | | | Purpose: ☐ Development ☐ Sample ☒ Purge & Sample | | | |
| Total Depth (fbTOR): 17.45 | | | Total Volume Purged (gal): 1.75 | | | Purge Method: Perastaltic Pump | | | |
| Time | Water Level (fbTOR) | Acc. Volume (gallons) | pH (units) | Temp. (deg. C) | SC (uS) | Turbidity (NTU) | DO (mg/L) | ORP (mV) | Appearance & Odor |
| 1251 | 0 Initial | 0.00 | 7.39 | 13.3 | 2493 | 336 | 3.68 | 173 | Turbid, no odor |
| 1254 | 1 | 0.25 | 7.31 | 13.3 | 2863 | 50.3 | 4.31 | 156 | Clear, no odor |
| 1256 | 2 | 0.50 | 7.33 | 13.3 | 2937 | 21.2 | 4.83 | 163 | " " " |
| 1258 | 3 | 0.75 | 7.34 | 13.3 | 2997 | 10.8 | 4.64 | 160 | " " " |
| 1300 | 4 | 1.00 | 7.32 | 13.4 | 3018 | 8.92 | 5.01 | 162 | " " " |
| 1303 | 5 | 1.25 | 7.33 | 13.3 | 3025 | 6.46 | 4.63 | 168 | " " " |
| | 6 | | | | | | | | |
| | 7 | | | | | | | | |
| | 8 | | | | | | | | |
| | 9 | | | | | | | | |
| | 10 | | | | | | | | |
| **Sample Information:** | | | | | | | | | |
| 1305 | S1 10.86 | 1.50 | 7.35 | 13.3 | 3081 | 5.90 | 4.86 | 169 | clear, no odor |
| 1311 | S2 | 1.75 | 7.34 | 13.3 | 3061 | 5.57 | 5.06 | 172 | " " " |

**REMARKS:**

*Note: All water level measurements are in feet, distance from top of riser.*

Volume Calculation

| Diam. | Vol. (g/ft) |
|---|---|
| 1" | 0.041 |
| 2" | 0.163 |
| 4" | 0.653 |
| 6" | 1.469 |

Stabilization Criteria

| Parameter | Criteria |
|---|---|
| pH | ± 0.1 unit |
| SC | ± 3% |
| Turbidity | ± 10% |
| DO | ± 0.3 mg/L |
| ORP | ± 10 mV |

**PREPARED BY:**

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

# GROUNDWATER FIELD FORM

Project Name: 275 Franklin | Date: 4-4-23

Location: | Project No.: | Field Team: CEH

| Well No. Pz-11 | | | Diameter (inches): 1 | | | Sample Date / Time: 4-4-23 / 1200 | | | |
|---|---|---|---|---|---|---|---|---|---|
| Product Depth (fbTOR): | | | Water Column (ft): 4.63 | | | DTW when sampled: 10.34 | | | |
| DTW (static) (fbTOR): 10.34 | | | One Well Volume (gal): 0.19 | | | Purpose: ☐ Development ☐ Sample ☒ Purge & Sample | | | |
| Total Depth (fbTOR): 14.97 | | | Total Volume Purged (gal): 1.25 | | | Purge Method: Perastaltic Pump | | | |
| Time | Water Level (fbTOR) | Acc. Volume (gallons) | pH (units) | Temp. (deg. C) | SC (uS) | Turbidity (NTU) | DO (mg/L) | ORP (mV) | Appearance & Odor |
| 1147 | 0 Initial | 0.00 | 7.39 | 12.1 | 4095 | 130 | 4.89 | 182 | SL Turbid, no odor |
| 1151 | 1 | 0.25 | 7.35 | 12.1 | 3958 | 9.38 | 4.86 | 182 | clear, no odor |
| 1153 | 2 | 0.50 | 7.35 | 12.2 | 3970 | 8.68 | 5.10 | 153 | " " " |
| 1155 | 3 | 0.75 | 7.37 | 12.0 | 3973 | 6.60 | 5.08 | 160 | " " " |
| | 4 | | | | | | | | |
| | 5 | | | | | | | | |
| | 6 | | | | | | | | |
| | 7 | | | | | | | | |
| | 8 | | | | | | | | |
| | 9 | | | | | | | | |
| | 10 | | | | | | | | |
| **Sample Information:** | | | | | | | | | |
| 1200 | S1 10.34 | 1.00 | 7.36 | 12.0 | 3974 | 7.19 | 4.93 | 170 | clear, no odor |
| 1204 | S2 | 1.25 | 7.37 | 12.5 | 3978 | 7.76 | 5.13 | 174 | " " " |

| Well No. Pz-12 | | | Diameter (inches): 1 | | | Sample Date / Time: 4-4-23 / 1130 | | | |
|---|---|---|---|---|---|---|---|---|---|
| Product Depth (fbTOR): | | | Water Column (ft): 7.17 | | | DTW when sampled: 10.47 | | | |
| DTW (static) (fbTOR): 10.43 | | | One Well Volume (gal): 0.29 | | | Purpose: ☐ Development ☐ Sample ☒ Purge & Sample | | | |
| Total Depth (fbTOR): 17.60 | | | Total Volume Purged (gal): 1.50 | | | Purge Method: Perastaltic Pump | | | |
| Time | Water Level (fbTOR) | Acc. Volume (gallons) | pH (units) | Temp. (deg. C) | SC (uS) | Turbidity (NTU) | DO (mg/L) | ORP (mV) | Appearance & Odor |
| 1116 | 0 Initial | 0.00 | 7.36 | 11.4 | 3514 | 55.7 | 3.46 | 191 | clear, no odor |
| 1118 | 1 | 0.20 | 7.39 | 11.5 | 3333 | 23.9 | 3.32 | 189 | " " " |
| 1122 | 2 | 0.50 | 7.40 | 11.6 | 3313 | 12.3 | 2.97 | 187 | " " " |
| 1124 | 3 | 0.75 | 7.39 | 11.7 | 3304 | 7.95 | 3.34 | 179 | " " " |
| 1126 | 4 | 1.00 | 7.37 | 11.6 | 3299 | 6.03 | 3.35 | 180 | " " " |
| | 5 | | | | | | | | |
| | 6 | | | | | | | | |
| | 7 | | | | | | | | |
| | 8 | | | | | | | | |
| | 9 | | | | | | | | |
| | 10 | | | | | | | | |
| **Sample Information:** | | | | | | | | | |
| 1130 | S1 10.47 | 1.25 | 7.39 | 11.6 | 3292 | 6.75 | 3.49 | 181 | clear, no odor |
| 1134 | S2 | 1.50 | 7.38 | 11.7 | 3291 | 5.27 | 3.31 | 177 | " " " |

**REMARKS:**

*Note: All water level measurements are in feet, distance from top of riser.*

Volume Calculation

| Diam. | Vol. (g/ft) |
|---|---|
| 1" | 0.041 |
| 2" | 0.163 |
| 4" | 0.653 |
| 6" | 1.469 |

Stabilization Criteria

| Parameter | Criteria |
|---|---|
| pH | ± 0.1 unit |
| SC | ± 3% |
| Turbidity | ± 10% |
| DO | ± 0.3 mg/L |
| ORP | ± 10 mV |

**PREPARED BY:**

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

# GROUNDWATER FIELD FORM

Project Name: 275 Franklin | Date: 4/4/2023
Location: | Project No.: | Field Team: CEH

| Well No. PZ-13 | | | Diameter (inches): 1 | | | Sample Date / Time: 4-4-23 / 1050 | | | |
|---|---|---|---|---|---|---|---|---|---|
| Product Depth (fbTOR): | | | Water Column (ft): 2.68 | | | DTW when sampled: | | | |
| DTW (static) (fbTOR): 10.77 | | | One Well Volume (gal): 0.11 | | | Purpose: ☐ Development ☐ Sample ☒ Purge & Sample | | | |
| Total Depth (fbTOR): 13.45 | | | Total Volume Purged (gal): 1.50 | | | Purge Method: Peristaltic Pump | | | |
| Time | Water Level (fbTOR) | Acc. Volume (gallons) | pH (units) | Temp. (deg. C) | SC (uS) | Turbidity (NTU) | DO (mg/L) | ORP (mV) | Appearance & Odor |
| 1032 | 0 Initial | 0.00 | 8.22 | 11.4 | 808.2 | >1000 | 7.47 | 185 | turbid, no odor |
| 1038 | 1 | 0.50 | 7.75 | 11.9 | 1595 | 192 | 2.42 | 194 | " " " |
| 1042 | 2 | 0.75 | 7.69 | 11.9 | 1647 | 73.9 | 2.91 | 190 | SL. turbid, no odor |
| | 3 | | | | | | | | |
| | 4 | | | | | | | | |
| | 5 | | | | | | | | |
| | 6 | | | | | | | | |
| | 7 | | | | | | | | |
| | 8 | | | | | | | | |
| | 9 | | | | | | | | |
| | 10 | | | | | | | | |
| **Sample Information:** | | | | | | | | | |
| 1050 | S1 | 1.25 | 7.58 | 11.9 | 1687 | 30.9 | 2.61 | 187 | clear, no odor |
| 1053 | S2 | 1.50 | 7.64 | 12.1 | 1714 | 18.2 | 2.87 | 182 | " " " |

| Well No. PZ-14 | | | Diameter (inches): 1 | | | Sample Date / Time: 4-4-23 / 1010 | | | |
|---|---|---|---|---|---|---|---|---|---|
| Product Depth (fbTOR): | | | Water Column (ft): 7.34 | | | DTW when sampled: 10.17 | | | |
| DTW (static) (fbTOR): 10.16 | | | One Well Volume (gal): 0.30 | | | Purpose: ☐ Development ☐ Sample ☒ Purge & Sample | | | |
| Total Depth (fbTOR): 17.5 | | | Total Volume Purged (gal): 1.50 | | | Purge Method: Peristaltic Pump | | | |
| Time | Water Level (fbTOR) | Acc. Volume (gallons) | pH (units) | Temp. (deg. C) | SC (uS) | Turbidity (NTU) | DO (mg/L) | ORP (mV) | Appearance & Odor |
| 0953 | 0 Initial | 0.00 | 7.08 | 10.9 | 2855 | 40.3 | 3.13 | 274 | clear, no odor |
| 0957 | 1 * | 0.10 | 7.27 | 11.1 | 3079 | 21.3 | 2.16 | 232 | " " " |
| 1001 | 2 | 0.20 | 7.20 | 11.1 | 3147 | 12.9 | 2.27 | 226 | " " " |
| 1005 | 3 | 0.40 | 7.26 | 11.2 | 3172 | 18.3 | 1.87 | 223 | " " " |
| 1008 | 4 | 0.75 | 7.29 | 11.2 | 3181 | 14.9 | 2.45 | 220 | " " " |
| | 5 | | | | | | | | |
| | 6 | | | | | | | | |
| | 7 | | | | | | | | |
| | 8 | | | | | | | | |
| | 9 | | | | | | | | |
| | 10 | | | | | | | | |
| **Sample Information:** | | | | | | | | | |
| 1010 | S1 10.17 | 1.00 | 7.32 | 11.2 | 3203 | 8.92 | 2.23 | 218 | clear, no odor |
| 1015 | S2 | 1.50 | 7.34 | 11.2 | 3351 | 6.40 | 2.49 | 208 | " " " |

**REMARKS:** * Could not get water level with tubing in PZ-14, pulled up tubing to sample

*Note: All water level measurements are in feet, distance from top of riser.*

Volume Calculation

| Diam. | Vol. (g/ft) |
|---|---|
| 1" | 0.041 |
| 2" | 0.163 |
| 4" | 0.653 |
| 6" | 1.469 |

Stabilization Criteria

| Parameter | Criteria |
|---|---|
| pH | ± 0.1 unit |
| SC | ± 3% |
| Turbidity | ± 10% |
| DO | ± 0.3 mg/L |
| ORP | ± 10 mV |

**PREPARED BY:**

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

# GROUNDWATER FIELD FORM

Project Name: 275 Franklin Date: 4/4/2023

Location: Project No.: Field Team:

| Well No. MW-24S | | | Diameter (inches): 2" | | | Sample Date / Time: 4/4/23 1250 | | | |
|---|---|---|---|---|---|---|---|---|---|
| Product Depth (fbTOR): | | | Water Column (ft): | | | DTW when sampled: 10.42 | | | |
| DTW (static) (fbTOR): 10.28 | | | One Well Volume (gal): 1.72 | | | Purpose: ☐ Development ☐ Sample ☒ Purge & Sample | | | |
| Total Depth (fbTOR): 20.98 | | | Total Volume Purged (gal): 9.00 | | | Purge Method: LOW flow | | | |
| Time | Water Level (fbTOR) | Acc. Volume (gallons) | pH (units) | Temp. (deg. C) | SC (uS) | Turbidity (NTU) | DO (mg/L) | ORP (mV) | Appearance & Odor |
| 1215 | 0 Initial | 0 | 7.23 | 13.2 | 3028 | 63.7 | 3.92 | -67 | Clear, no odor |
| 1223 | 1 10.47 | 2 | 7.32 | 13.0 | 3079 | 41.9 | 3.83 | -51 | " " " |
| 1230 | 2 10.49 | 4 | 7.31 | 13.0 | 3054 | 20.9 | 3.53 | -37 | " " " |
| 1236 | 3 10.49 | 6 | 7.30 | 13.0 | 3050 | 11.8 | 3.90 | -18 | " " " |
| 1241 | 4 10.50 | 8 | 7.34 | 13.1 | 3033 | 10.49 | 3.94 | -16 | " " " |
| | 5 10. | | | | | | | | |
| | 6 | | | | | | | | |
| | 7 | | | | | | | | |
| | 8 | | | | | | | | |
| | 9 | | | | | | | | |
| | 10 | | | | | | | | |
| **Sample Information:** | | | | | | | | | |
| 1250 | S1 10.42 | 9 | 7.35 | 13.1 | 2965 | 10.40 | 3.95 | -15 | " " " |
| 1252 | S2 10.43 | 9 | 7.40 | 13.2 | 2991 | 10.25 | 3.95 | -17 | " " " |

| Well No. MW-23S | | | Diameter (inches): 2" | | | Sample Date / Time: 4/4/23 | | | |
|---|---|---|---|---|---|---|---|---|---|
| Product Depth (fbTOR): | | | Water Column (ft): 7.08 | | | DTW when sampled: 11.42 | | | |
| DTW (static) (fbTOR): 11.22 | | | One Well Volume (gal): 1.15 | | | Purpose: ☐ Development ☐ Sample ☒ Purge & Sample | | | |
| Total Depth (fbTOR): 18.30 | | | Total Volume Purged (gal): 9.00 | | | Purge Method: LOW flow | | | |
| Time | Water Level (fbTOR) | Acc. Volume (gallons) | pH (units) | Temp. (deg. C) | SC (uS) | Turbidity (NTU) | DO (mg/L) | ORP (mV) | Appearance & Odor |
| 1412 | 0 Initial | 0.00 | 7.37 | 11.8 | 3515 | 123 | 1.52 | 193 | SL Turbidity no odor |
| 1414 | 1 11.53 | 2.00 | 7.32 | 11.3 | 3559 | 36 | 2.04 | 172 | clear, no odor |
| 1416 | 2 11.62 | 3.00 | 7.31 | 11.2 | 3509 | 23.7 | 1.57 | 158 | " " " |
| 1419 | 3 11.40 | 4.00 | 7.34 | 11.2 | 3478 | 23.2 | 2.17 | 129 | " " " |
| 1422 | 4 11.43 | 5.00 | 7.33 | 11.4 | 3487 | 62.2 | 2.03 | 133 | " " " |
| 1424 | 5 11.45 | 6.00 | 7.32 | 11.3 | 3472 | 37.9 | 1.77 | 136 | " " " |
| 1426 | 6 11.45 | 7.00 | 7.30 | 11.2 | 3456 | 25.6 | 1.83 | 138 | " " " |
| | 7 | | | | | | | | |
| | 8 | | | | | | | | |
| | 9 | | | | | | | | |
| | 10 | | | | | | | | |
| **Sample Information:** | | | | | | | | | |
| 1430 | S1 11.48 | 8.00 | 7.30 | 11.3 | 3465 | 17.0 | 1.81 | 138 | clear, no odor |
| 1434 | S2 11.42 | 9.00 | 7.32 | 11.3 | 3477 | 11.8 | 1.95 | 138 | " " " |

**REMARKS:**

MS and MSD sampled at MW-24S

Blind Dup Taken with MW-23S

*Note: All water level measurements are in feet, distance from top of riser.*

Volume Calculation

| Diam. | Vol. (g/ft) |
|---|---|
| 1" | 0.041 |
| 2" | 0.163 |
| 4" | 0.653 |
| 6" | 1.469 |

Stabilization Criteria

| Parameter | Criteria |
|---|---|
| pH | ± 0.1 unit |
| SC | ± 3% |
| Turbidity | ± 10% |
| DO | ± 0.3 mg/L |
| ORP | ± 10 mV |

**PREPARED BY:**

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

# GROUNDWATER FIELD FORM

Project Name: 275 Franklin  Project No.:  Date:

Location:  Field Team:

**Well No.** MW-5R | Diameter (inches): 2" | Sample Date / Time: 4/4/23 10:25

Product Depth (fbTOR): | Water Column (ft): | DTW when sampled: 11.60

DTW (static) (fbTOR): 11.45 | One Well Volume (gal): 1.57 | Purpose: ☐ Development ☐ Sample ☑ Purge & Sample

Total Depth (fbTOR): 21.1 | Total Volume Purged (gal): | Purge Method: Low Flow

| Time | | Water Level (fbTOR) | Acc. Volume (gallons) | pH (units) | Temp. (deg. C) | SC (uS) | Turbidity (NTU) | DO (mg/L) | ORP (mV) | Appearance & Odor |
|---|---|---|---|---|---|---|---|---|---|---|
| 9:45 | 0 | Initial | 0 | 6.87 | 12.1 | 5172 | 80.9 | 2.49 | 173 | clear; no odor |
| 9:50 | 1 | 11.61 | 1.50 | 7.11 | 12.3 | 4690 | 28.1 | 2.45 | 166 | " " " |
| 9:55 | 2 | 11.55 | 3.5 | 7.23 | 12.4 | 4481 | 15.4 | 2.47 | 163 | " " " |
| 10:00 | 3 | 11.53 | 5.0 | 7.16 | 12.6 | 4462 | 11.1 | 2.48 | 155 | " " " |
| 10:13 | 4 | 11.60 | 6.5 | 7.17 | 12.5 | 4333 | 8.63 | 2.39 | 140 | |
| | 5 | | | | | | | | | |
| | 6 | | | | | | | | | |
| | 7 | | | | | | | | | |
| | 8 | | | | | | | | | |
| | 9 | | | | | | | | | |
| | 10 | | | | | | | | | |

**Sample Information:**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 10:14 | S1 | 11.60 | 7.0 | 7.18 | 12.5 | 4329 | 7.45 | 2.35 | 133 | " " " |
| 10:30 | S2 | 11.60 | 7.0 | 7.19 | 12.3 | 4366 | 7.45 | 2.39 | 129 | " " " |

**Well No.** MW-24D | Diameter (inches): 2" | Sample Date / Time: 4/4/23 11:50

Product Depth (fbTOR): | Water Column (ft): | DTW when sampled: 11.25

DTW (static) (fbTOR): 10.87 | One Well Volume (gal): 6.28 | Purpose: ☐ Development ☐ Sample ☑ Purge & Sample

Total Depth (fbTOR): 49.45 | Total Volume Purged (gal): | Purge Method: Low flow

| Time | | Water Level (fbTOR) | Acc. Volume (gallons) | pH (units) | Temp. (deg. C) | SC (uS) | Turbidity (NTU) | DO (mg/L) | ORP (mV) | Appearance & Odor |
|---|---|---|---|---|---|---|---|---|---|---|
| 1106 | 0 | Initial | 0 | 7.23 | 13.0 | 2488 | 13.3 | 2.52 | -152 | clear; SL sulfur odor |
| 1120 | 1 | 11.39 | 6.3 | 7.21 | 13.4 | 2484 | 7.08 | 1.17 | -140 | " " " |
| 1132 | 2 | 11.45 | 12.5 | 7.21 | 13.6 | 2428 | 7.81 | 1.23 | -125 | " " " |
| 1140 | 3 | 11.65 | 19.0 | 7.19 | 13.8 | 2418 | 7.94 | 1.27 | -116 | |
| | 4 | | | | | | | | | |
| | 5 | | | | | | | | | |
| | 6 | | | | | | | | | |
| | 7 | | | | | | | | | |
| | 8 | | | | | | | | | |
| | 9 | | | | | | | | | |
| | 10 | | | | | | | | | |

**Sample Information:**

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 1150 | S1 | 11.75 | 20 | 7.20 | 13.9 | 2408 | 7.60 | 1.39 | -115 | " " " |
| 1155 | S2 | 11.75 | 20 | 7.20 | 13.8 | 2396 | 7.04 | 1.43 | -110 | " " " |

**REMARKS:**

Volume Calculation

| Diam. | Vol. (g/ft) |
|---|---|
| 1" | 0.041 |
| 2" | 0.163 |
| 4" | 0.653 |
| 6" | 1.469 |

Stabilization Criteria

| Parameter | Criteria |
|---|---|
| pH | ± 0.1 unit |
| SC | ± 3% |
| Turbidity | ± 10% |
| DO | ± 0.3 mg/L |
| ORP | ± 10 mV |

Note: All water level measurements are in feet, distance from top of riser.

**PREPARED BY:**

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

# EQUIPMENT CALIBRATION LOG

**PROJECT INFORMATION:**

Project Name: 275 Franklin

Project No.:

Client:

Date: 7/4/2023

Instrument Source: [X] BM [ ] Rental

| METER TYPE | UNITS | TIME | MAKE/MODEL | SERIAL NUMBER | CAL. BY | STANDARD | POST CAL. READING | SETTINGS |
|---|---|---|---|---|---|---|---|---|
| [X] pH meter | units | | Myron L Company Ultra Meter 6P | 6213516 [ ]<br>6243084 [ ]<br>6212375 [X]<br>6223973 [ ] | KRW | 4.00<br>7.00<br>10.01 | 4.04<br>7.01<br>10.01 | |
| [X] Turbidity meter | NTU | | Hach 2100P or 2100Q Turbidimeter | 06120C020523 (P) [ ]<br>13120C030432 (Q) [X] | KRW | < 0.4 or 10 for 2100 Q<br>20<br>100<br>800 | 10<br>20<br>101<br>801 | |
| [ ] Turbidity meter | NTU | | LaMotte 2020 | 6523-1816 (La) [ ] | | 0.0 NTU<br>1.0 NTU<br>10.0 NTU | | |
| [ ] Sp. Cond. meter | uS<br>mS | | Myron L Company Ultra Meter 6P | 6213516 [ ]<br>6243084 [ ]<br>6212375 [ ]<br>6223973 [ ] | | _____ mS @ 25 °C | | |
| [ ] PID | ppm | | MinRAE 2000 | | | open air zero<br>_____ ppm Iso. Gas | | MIBK response factor = 1.0 |
| [X] Dissolved Oxygen | ppm | | HACH Model HQ30d | 080700023281 [ ]<br>100500041867 [ ]<br>1402000100319 [ ] | KRW | 100% Satuartion | | |
| [ ] Particulate meter | mg/m$^3$ | | | | | zero air | | |
| [ ] Oxygen | % | | | | | open air | | |
| [ ] Hydrogen sulfide | ppm | | | | | open air | | |
| [ ] Carbon monoxide | ppm | | | | | open air | | |
| [ ] LEL | % | | | | | open air | | |
| [ ] Radiation Meter | uR/H | | | | | background area | | |

**ADDITIONAL REMARKS:**

**PREPARED BY:** **DATE:**

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

# EQUIPMENT CALIBRATION LOG

**PROJECT INFORMATION:**

Project Name: 275 Franklin

Date: 4-4-23

Project No.:

Client:

Instrument Source: [X] BM [ ] Rental

| METER TYPE | UNITS | TIME | MAKE/MODEL | SERIAL NUMBER | CAL. BY | STANDARD | POST CAL. READING | SETTINGS |
|---|---|---|---|---|---|---|---|---|
| [X] pH meter | units | 0930 | Myron L Company Ultra Meter 6P | 6213516 [ ]<br>6243084 [ ]<br>6212375 [ ]<br>6223973 [X] | CEH | 4.00<br>7.00<br>10.01 | 4.01<br>7.02<br>10.02 | |
| [X] Turbidity meter | NTU | 0930 | Hach 2100P or 2100Q Turbidimeter | 06120C020523 (P) [ ]<br>07110C026405 [X]<br>13120C030432 (Q) [ ] | CEH | < 0.4 or 10 for 2100 Q<br>20<br>100<br>800 | <br>21.1<br>103<br>798 | |
| [ ] Turbidity meter | NTU | | LaMotte 2020 | 6523-1816 (La) [ ] | | 0.0 NTU<br>1.0 NTU<br>10.0 NTU | | |
| [X] Sp. Cond. meter | uS<br>mS | 0930 | Myron L Company Ultra Meter 6P | 6213516 [ ]<br>6243084 [ ]<br>6212375 [ ]<br>6223973 [X] | CEH | 7000 mS @ 25 °C | 7001 | |
| [ ] PID | ppm | | MinRAE 2000 | | | open air zero<br>____ ppm Iso. Gas | | MIBK response factor = 1.0 |
| [X] Dissolved Oxygen | ppm | 0930 | HACH Model HQ30d | 080700023281 [ ]<br>100500041867 [X]<br>1402000100319 [ ] | CEH | 100% Satuartion | 100 % | |
| [ ] Particulate meter | mg/m$^3$ | | | | | zero air | | |
| [ ] Oxygen | % | | | | | open air | | |
| [ ] Hydrogen sulfide | ppm | | | | | open air | | |
| [ ] Carbon monoxide | ppm | | | | | open air | | |
| [ ] LEL | % | | | | | open air | | |
| [ ] Radiation Meter | uR/H | | | | | background area | | |

**ADDITIONAL REMARKS:**

**PREPARED BY:** **DATE:**

# Data Package


ANALYTICAL. LIFE. SERVICE.

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

November 16, 2022

Thomas Palmer
NYDEC_GES - Amherst, NY
6010 North Bailey Ave., Suite 1
Amherst, NY 14226

Project Location: 250 Franklin St, Buffalo, NY
Client Job Number:
Project Number: C915208A
Laboratory Work Order Number: 22K1604

Enclosed are results of analyses for samples as received by the laboratory on November 10, 2022. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kyle K. Stuckey
Project Manager

# Table of Contents

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

NYDEC_GES - Amherst, NY
6010 North Bailey Ave., Suite 1
Amherst, NY 14226
ATTN: Thomas Palmer

REPORT DATE: 11/16/2022

PURCHASE ORDER NUMBER: 144192

PROJECT NUMBER: C915208A

**ANALYTICAL SUMMARY**

WORK ORDER NUMBER: 22K1604

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

PROJECT LOCATION: 250 Franklin St, Buffalo, NY

| FIELD SAMPLE # | LAB ID: | MATRIX | SAMPLE DESCRIPTION | TEST | SUB LAB |
|---|---|---|---|---|---|
| MW-25S | 22K1604-01 | Ground Water | | SW-846 8260D | |
| MW-26S | 22K1604-02 | Ground Water | | SW-846 8260D | |
| MW-27S | 22K1604-03 | Ground Water | | SW-846 8260D | |
| MW-23D | 22K1604-04 | Ground Water | | SW-846 8260D | |
| DUP | 22K1604-05 | Ground Water | | SW-846 8260D | |
| Trip Blank | 22K1604-06 | Ground 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.

### SW-846 8260D

**Qualifications:**

**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-Dibromo-3-chloropropane (DB**
22K1604-01[MW-25S], B322925-MS1, B322925-MSD1

**Bromomethane**
22K1604-01[MW-25S], B322925-MS1, B322925-MSD1

**MS-19**

Sample to spike ratio is greater than or equal to 4:1. Spiked amount is not representative of the native amount in the sample. Appropriate or meaningful recoveries cannot be calculated.

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

**cis-1,2-Dichloroethylene**
22K1604-01[MW-25S], B322925-MS1, B322925-MSD1

**RL-11**

Elevated reporting limit due to high concentration of target compounds.

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

22K1604-01[MW-25S], 22K1604-02[MW-26S], 22K1604-04[MW-23D], 22K1604-05[DUP]

**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-Dibromo-3-chloropropane (DB**
22K1604-01[MW-25S], 22K1604-02[MW-26S], 22K1604-03[MW-27S], 22K1604-04[MW-23D], 22K1604-05[DUP], 22K1604-06[ Trip Blank], B322925-BLK1, B322925-BS1, B322925-BSD1, B322925-MS1, B322925-MSD1, S079358-CCV1

**Bromomethane**
22K1604-01[MW-25S], 22K1604-02[MW-26S], 22K1604-03[MW-27S], 22K1604-04[MW-23D], 22K1604-05[DUP], 22K1604-06[ Trip Blank], B322925-BLK1, B322925-BS1, B322925-BSD1, B322925-MS1, B322925-MSD1, S079358-CCV1

**V-20**

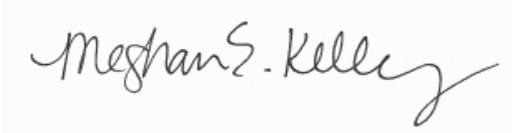
Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

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

**Methyl Acetate**
B322925-BS1, B322925-BSD1, B322925-MS1, B322925-MSD1, S079358-CCV1

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

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.



Meghan E. Kelley
Reporting Specialist

con-test® A Pace Analytical® Laboratory
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Franklin St, Buffalo, NY | Sample Description: | Work Order: 22K1604

Date Received: 11/10/2022

**Field Sample #: MW-25S** | Sampled: 11/9/2022 10:00

**Sample ID: 22K1604-01**

Sample Matrix: Ground Water

Sample Flags: RL-11

**Volatile Organic Compounds by GC/MS**

| Analyte | Results | RL | DL | Units | Dilution | Flag/Qual | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | 200 | 8.1 | µg/L | 4 | | SW-846 8260D | 11/14/22 | 11/14/22 15:34 | MFF |
| Benzene | ND | 4.0 | 0.80 | µg/L | 4 | | SW-846 8260D | 11/14/22 | 11/14/22 15:34 | MFF |
| Bromochloromethane | ND | 4.0 | 1.2 | µg/L | 4 | | SW-846 8260D | 11/14/22 | 11/14/22 15:34 | MFF |
| Bromodichloromethane | ND | 2.0 | 0.72 | µg/L | 4 | | SW-846 8260D | 11/14/22 | 11/14/22 15:34 | MFF |
| Bromoform | ND | 4.0 | 1.5 | µg/L | 4 | | SW-846 8260D | 11/14/22 | 11/14/22 15:34 | MFF |
| Bromomethane | ND | 8.0 | 6.2 | µg/L | 4 | V-05, MS-07A | SW-846 8260D | 11/14/22 | 11/14/22 15:34 | MFF |
| 2-Butanone (MEK) | ND | 80 | 6.5 | µg/L | 4 | | SW-846 8260D | 11/14/22 | 11/14/22 15:34 | MFF |
| Carbon Disulfide | ND | 20 | 5.8 | µg/L | 4 | | SW-846 8260D | 11/14/22 | 11/14/22 15:34 | MFF |
| Carbon Tetrachloride | ND | 20 | 0.66 | µg/L | 4 | | SW-846 8260D | 11/14/22 | 11/14/22 15:34 | MFF |
| Chlorobenzene | ND | 4.0 | 0.42 | µg/L | 4 | | SW-846 8260D | 11/14/22 | 11/14/22 15:34 | MFF |
| Chlorodibromomethane | ND | 2.0 | 0.89 | µg/L | 4 | | SW-846 8260D | 11/14/22 | 11/14/22 15:34 | MFF |
| Chloroethane | ND | 8.0 | 1.3 | µg/L | 4 | | SW-846 8260D | 11/14/22 | 11/14/22 15:34 | MFF |
| Chloroform | 1.5 | 8.0 | 0.67 | µg/L | 4 | J | SW-846 8260D | 11/14/22 | 11/14/22 15:34 | MFF |
| Chloromethane | ND | 8.0 | 2.1 | µg/L | 4 | | SW-846 8260D | 11/14/22 | 11/14/22 15:34 | MFF |
| Cyclohexane | ND | 20 | 7.0 | µg/L | 4 | | SW-846 8260D | 11/14/22 | 11/14/22 15:34 | MFF |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND | 20 | 3.2 | µg/L | 4 | V-05, MS-07A | SW-846 8260D | 11/14/22 | 11/14/22 15:34 | MFF |
| 1,2-Dibromoethane (EDB) | ND | 2.0 | 0.68 | µg/L | 4 | | SW-846 8260D | 11/14/22 | 11/14/22 15:34 | MFF |
| 1,2-Dichlorobenzene | ND | 4.0 | 0.49 | µg/L | 4 | | SW-846 8260D | 11/14/22 | 11/14/22 15:34 | MFF |
| 1,3-Dichlorobenzene | ND | 4.0 | 0.47 | µg/L | 4 | | SW-846 8260D | 11/14/22 | 11/14/22 15:34 | MFF |
| 1,4-Dichlorobenzene | ND | 4.0 | 0.52 | µg/L | 4 | | SW-846 8260D | 11/14/22 | 11/14/22 15:34 | MFF |
| Dichlorodifluoromethane (Freon 12) | ND | 8.0 | 0.77 | µg/L | 4 | | SW-846 8260D | 11/14/22 | 11/14/22 15:34 | MFF |
| 1,1-Dichloroethane | ND | 4.0 | 0.57 | µg/L | 4 | | SW-846 8260D | 11/14/22 | 11/14/22 15:34 | MFF |
| 1,2-Dichloroethane | ND | 4.0 | 1.2 | µg/L | 4 | | SW-846 8260D | 11/14/22 | 11/14/22 15:34 | MFF |
| 1,1-Dichloroethylene | 0.68 | 4.0 | 0.57 | µg/L | 4 | J | SW-846 8260D | 11/14/22 | 11/14/22 15:34 | MFF |
| cis-1,2-Dichloroethylene | 380 | 4.0 | 0.59 | µg/L | 4 | MS-19 | SW-846 8260D | 11/14/22 | 11/14/22 15:34 | MFF |
| trans-1,2-Dichloroethylene | 2.9 | 4.0 | 0.67 | µg/L | 4 | J | SW-846 8260D | 11/14/22 | 11/14/22 15:34 | MFF |
| 1,2-Dichloropropane | ND | 4.0 | 0.72 | µg/L | 4 | | SW-846 8260D | 11/14/22 | 11/14/22 15:34 | MFF |
| cis-1,3-Dichloropropene | ND | 2.0 | 0.63 | µg/L | 4 | | SW-846 8260D | 11/14/22 | 11/14/22 15:34 | MFF |
| trans-1,3-Dichloropropene | ND | 2.0 | 0.67 | µg/L | 4 | | SW-846 8260D | 11/14/22 | 11/14/22 15:34 | MFF |
| 1,4-Dioxane | ND | 200 | 82 | µg/L | 4 | | SW-846 8260D | 11/14/22 | 11/14/22 15:34 | MFF |
| Ethylbenzene | ND | 4.0 | 0.86 | µg/L | 4 | | SW-846 8260D | 11/14/22 | 11/14/22 15:34 | MFF |
| 2-Hexanone (MBK) | ND | 40 | 4.5 | µg/L | 4 | | SW-846 8260D | 11/14/22 | 11/14/22 15:34 | MFF |
| Isopropylbenzene (Cumene) | ND | 4.0 | 0.43 | µg/L | 4 | | SW-846 8260D | 11/14/22 | 11/14/22 15:34 | MFF |
| Methyl Acetate | ND | 4.0 | 1.8 | µg/L | 4 | | SW-846 8260D | 11/14/22 | 11/14/22 15:34 | MFF |
| Methyl tert-Butyl Ether (MTBE) | ND | 4.0 | 0.69 | µg/L | 4 | | SW-846 8260D | 11/14/22 | 11/14/22 15:34 | MFF |
| Methyl Cyclohexane | ND | 4.0 | 0.98 | µg/L | 4 | | SW-846 8260D | 11/14/22 | 11/14/22 15:34 | MFF |
| Methylene Chloride | ND | 20 | 0.94 | µg/L | 4 | | SW-846 8260D | 11/14/22 | 11/14/22 15:34 | MFF |
| 4-Methyl-2-pentanone (MIBK) | ND | 40 | 5.1 | µg/L | 4 | | SW-846 8260D | 11/14/22 | 11/14/22 15:34 | MFF |
| Styrene | ND | 4.0 | 0.42 | µg/L | 4 | | SW-846 8260D | 11/14/22 | 11/14/22 15:34 | MFF |
| 1,1,2,2-Tetrachloroethane | ND | 2.0 | 0.51 | µg/L | 4 | | SW-846 8260D | 11/14/22 | 11/14/22 15:34 | MFF |
| Tetrachloroethylene | 260 | 4.0 | 0.75 | µg/L | 4 | | SW-846 8260D | 11/14/22 | 11/14/22 15:34 | MFF |
| Toluene | ND | 4.0 | 0.90 | µg/L | 4 | | SW-846 8260D | 11/14/22 | 11/14/22 15:34 | MFF |
| 1,2,3-Trichlorobenzene | ND | 20 | 1.2 | µg/L | 4 | | SW-846 8260D | 11/14/22 | 11/14/22 15:34 | MFF |
| 1,2,4-Trichlorobenzene | ND | 4.0 | 0.99 | µg/L | 4 | | SW-846 8260D | 11/14/22 | 11/14/22 15:34 | MFF |

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

Project Location: 250 Franklin St, Buffalo, NY | Sample Description: | Work Order: 22K1604

Date Received: 11/10/2022

**Field Sample #: MW-25S** | Sampled: 11/9/2022 10:00

**Sample ID: 22K1604-01**

Sample Matrix: Ground Water

Sample Flags: RL-11

**Volatile Organic Compounds by GC/MS**

| Analyte | Results | RL | DL | Units | Dilution | Flag/Qual | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | ND | 4.0 | 0.68 | µg/L | 4 | | SW-846 8260D | 11/14/22 | 11/14/22 15:34 | MFF |
| 1,1,2-Trichloroethane | ND | 4.0 | 0.73 | µg/L | 4 | | SW-846 8260D | 11/14/22 | 11/14/22 15:34 | MFF |
| Trichloroethylene | 49 | 4.0 | 0.76 | µg/L | 4 | | SW-846 8260D | 11/14/22 | 11/14/22 15:34 | MFF |
| Trichlorofluoromethane (Freon 11) | ND | 8.0 | 0.70 | µg/L | 4 | | SW-846 8260D | 11/14/22 | 11/14/22 15:34 | MFF |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND | 4.0 | 0.91 | µg/L | 4 | | SW-846 8260D | 11/14/22 | 11/14/22 15:34 | MFF |
| Vinyl Chloride | ND | 8.0 | 0.83 | µg/L | 4 | | SW-846 8260D | 11/14/22 | 11/14/22 15:34 | MFF |
| Xylenes (total) | ND | 4.0 | 4.0 | µg/L | 4 | | SW-846 8260D | 11/14/22 | 11/14/22 15:34 | MFF |

| Surrogates | % Recovery | Recovery Limits | Flag/Qual | |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 96.4 | 70-130 | | 11/14/22 15:34 |
| Toluene-d8 | 98.0 | 70-130 | | 11/14/22 15:34 |
| 4-Bromofluorobenzene | 100 | 70-130 | | 11/14/22 15:34 |

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Project Location: 250 Franklin St, Buffalo, NY | Sample Description: | Work Order: 22K1604

Date Received: 11/10/2022

**Field Sample #: MW-26S** | Sampled: 11/9/2022 11:35

**Sample ID: 22K1604-02**

Sample Matrix: Ground Water

Sample Flags: RL-11

**Volatile Organic Compounds by GC/MS**

| Analyte | Results | RL | DL | Units | Dilution | Flag/Qual | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | 500 | 20 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:00 | MFF |
| Benzene | ND | 10 | 2.0 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:00 | MFF |
| Bromochloromethane | ND | 10 | 3.1 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:00 | MFF |
| Bromodichloromethane | ND | 5.0 | 1.8 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:00 | MFF |
| Bromoform | ND | 10 | 3.8 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:00 | MFF |
| Bromomethane | ND | 20 | 15 | µg/L | 10 | V-05 | SW-846 8260D | 11/14/22 | 11/14/22 16:00 | MFF |
| 2-Butanone (MEK) | ND | 200 | 16 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:00 | MFF |
| Carbon Disulfide | ND | 50 | 14 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:00 | MFF |
| Carbon Tetrachloride | ND | 50 | 1.6 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:00 | MFF |
| Chlorobenzene | ND | 10 | 1.1 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:00 | MFF |
| Chlorodibromomethane | ND | 5.0 | 2.2 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:00 | MFF |
| Chloroethane | ND | 20 | 3.2 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:00 | MFF |
| Chloroform | ND | 20 | 1.7 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:00 | MFF |
| Chloromethane | ND | 20 | 5.2 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:00 | MFF |
| Cyclohexane | ND | 50 | 18 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:00 | MFF |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND | 50 | 8.0 | µg/L | 10 | V-05 | SW-846 8260D | 11/14/22 | 11/14/22 16:00 | MFF |
| 1,2-Dibromoethane (EDB) | ND | 5.0 | 1.7 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:00 | MFF |
| 1,2-Dichlorobenzene | ND | 10 | 1.2 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:00 | MFF |
| 1,3-Dichlorobenzene | ND | 10 | 1.2 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:00 | MFF |
| 1,4-Dichlorobenzene | ND | 10 | 1.3 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:00 | MFF |
| Dichlorodifluoromethane (Freon 12) | ND | 20 | 1.9 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:00 | MFF |
| 1,1-Dichloroethane | ND | 10 | 1.4 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:00 | MFF |
| 1,2-Dichloroethane | ND | 10 | 3.1 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:00 | MFF |
| 1,1-Dichloroethylene | ND | 10 | 1.4 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:00 | MFF |
| cis-1,2-Dichloroethylene | 13 | 10 | 1.5 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:00 | MFF |
| trans-1,2-Dichloroethylene | ND | 10 | 1.7 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:00 | MFF |
| 1,2-Dichloropropane | ND | 10 | 1.8 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:00 | MFF |
| cis-1,3-Dichloropropene | ND | 5.0 | 1.6 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:00 | MFF |
| trans-1,3-Dichloropropene | ND | 5.0 | 1.7 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:00 | MFF |
| 1,4-Dioxane | ND | 500 | 210 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:00 | MFF |
| Ethylbenzene | ND | 10 | 2.1 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:00 | MFF |
| 2-Hexanone (MBK) | ND | 100 | 11 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:00 | MFF |
| Isopropylbenzene (Cumene) | ND | 10 | 1.1 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:00 | MFF |
| Methyl Acetate | ND | 10 | 4.5 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:00 | MFF |
| Methyl tert-Butyl Ether (MTBE) | ND | 10 | 1.7 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:00 | MFF |
| Methyl Cyclohexane | ND | 10 | 2.4 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:00 | MFF |
| Methylene Chloride | ND | 50 | 2.3 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:00 | MFF |
| 4-Methyl-2-pentanone (MIBK) | ND | 100 | 13 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:00 | MFF |
| Styrene | ND | 10 | 1.1 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:00 | MFF |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | 1.3 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:00 | MFF |
| Tetrachloroethylene | 600 | 10 | 1.9 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:00 | MFF |
| Toluene | ND | 10 | 2.2 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:00 | MFF |
| 1,2,3-Trichlorobenzene | ND | 50 | 3.0 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:00 | MFF |
| 1,2,4-Trichlorobenzene | ND | 10 | 2.5 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:00 | MFF |

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

Project Location: 250 Franklin St, Buffalo, NY  Sample Description:  Work Order: 22K1604

Date Received: 11/10/2022

**Field Sample #: MW-26S**  Sampled: 11/9/2022 11:35

**Sample ID: 22K1604-02**

Sample Matrix: Ground Water

Sample Flags: RL-11

**Volatile Organic Compounds by GC/MS**

| Analyte | Results | RL | DL | Units | Dilution | Flag/Qual | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | ND | 10 | 1.7 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:00 | MFF |
| 1,1,2-Trichloroethane | ND | 10 | 1.8 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:00 | MFF |
| Trichloroethylene | 10 | 10 | 1.9 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:00 | MFF |
| Trichlorofluoromethane (Freon 11) | ND | 20 | 1.8 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:00 | MFF |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND | 10 | 2.3 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:00 | MFF |
| Vinyl Chloride | ND | 20 | 2.1 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:00 | MFF |
| Xylenes (total) | ND | 10 | 10 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:00 | MFF |

| Surrogates | % Recovery | Recovery Limits | Flag/Qual | |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 94.6 | 70-130 | | 11/14/22 16:00 |
| Toluene-d8 | 98.6 | 70-130 | | 11/14/22 16:00 |
| 4-Bromofluorobenzene | 99.0 | 70-130 | | 11/14/22 16:00 |

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Project Location: 250 Franklin St, Buffalo, NY | Sample Description: | Work Order: 22K1604

Date Received: 11/10/2022

**Field Sample #: MW-27S** | Sampled: 11/9/2022 13:00

**Sample ID: 22K1604-03**

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 | ND | 50 | 2.0 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 13:23 | MFF |
| Benzene | ND | 1.0 | 0.20 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 13:23 | MFF |
| Bromochloromethane | ND | 1.0 | 0.31 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 13:23 | MFF |
| Bromodichloromethane | ND | 0.50 | 0.18 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 13:23 | MFF |
| Bromoform | ND | 1.0 | 0.38 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 13:23 | MFF |
| Bromomethane | ND | 2.0 | 1.5 | µg/L | 1 | V-05 | SW-846 8260D | 11/14/22 | 11/14/22 13:23 | MFF |
| 2-Butanone (MEK) | ND | 20 | 1.6 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 13:23 | MFF |
| Carbon Disulfide | ND | 5.0 | 1.4 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 13:23 | MFF |
| Carbon Tetrachloride | ND | 5.0 | 0.16 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 13:23 | MFF |
| Chlorobenzene | ND | 1.0 | 0.11 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 13:23 | MFF |
| Chlorodibromomethane | ND | 0.50 | 0.22 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 13:23 | MFF |
| Chloroethane | ND | 2.0 | 0.32 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 13:23 | MFF |
| Chloroform | 4.3 | 2.0 | 0.17 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 13:23 | MFF |
| Chloromethane | ND | 2.0 | 0.52 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 13:23 | MFF |
| Cyclohexane | ND | 5.0 | 1.8 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 13:23 | MFF |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND | 5.0 | 0.80 | µg/L | 1 | V-05 | SW-846 8260D | 11/14/22 | 11/14/22 13:23 | MFF |
| 1,2-Dibromoethane (EDB) | ND | 0.50 | 0.17 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 13:23 | MFF |
| 1,2-Dichlorobenzene | ND | 1.0 | 0.12 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 13:23 | MFF |
| 1,3-Dichlorobenzene | ND | 1.0 | 0.12 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 13:23 | MFF |
| 1,4-Dichlorobenzene | ND | 1.0 | 0.13 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 13:23 | MFF |
| Dichlorodifluoromethane (Freon 12) | ND | 2.0 | 0.19 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 13:23 | MFF |
| 1,1-Dichloroethane | ND | 1.0 | 0.14 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 13:23 | MFF |
| 1,2-Dichloroethane | ND | 1.0 | 0.31 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 13:23 | MFF |
| 1,1-Dichloroethylene | ND | 1.0 | 0.14 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 13:23 | MFF |
| cis-1,2-Dichloroethylene | ND | 1.0 | 0.15 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 13:23 | MFF |
| trans-1,2-Dichloroethylene | ND | 1.0 | 0.17 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 13:23 | MFF |
| 1,2-Dichloropropane | ND | 1.0 | 0.18 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 13:23 | MFF |
| cis-1,3-Dichloropropene | ND | 0.50 | 0.16 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 13:23 | MFF |
| trans-1,3-Dichloropropene | ND | 0.50 | 0.17 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 13:23 | MFF |
| 1,4-Dioxane | ND | 50 | 21 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 13:23 | MFF |
| Ethylbenzene | ND | 1.0 | 0.21 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 13:23 | MFF |
| 2-Hexanone (MBK) | ND | 10 | 1.1 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 13:23 | MFF |
| Isopropylbenzene (Cumene) | ND | 1.0 | 0.11 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 13:23 | MFF |
| Methyl Acetate | ND | 1.0 | 0.45 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 13:23 | MFF |
| Methyl tert-Butyl Ether (MTBE) | ND | 1.0 | 0.17 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 13:23 | MFF |
| Methyl Cyclohexane | ND | 1.0 | 0.24 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 13:23 | MFF |
| Methylene Chloride | ND | 5.0 | 0.23 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 13:23 | MFF |
| 4-Methyl-2-pentanone (MIBK) | ND | 10 | 1.3 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 13:23 | MFF |
| Styrene | ND | 1.0 | 0.11 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 13:23 | MFF |
| 1,1,2,2-Tetrachloroethane | ND | 0.50 | 0.13 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 13:23 | MFF |
| Tetrachloroethylene | 6.4 | 1.0 | 0.19 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 13:23 | MFF |
| Toluene | ND | 1.0 | 0.22 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 13:23 | MFF |
| 1,2,3-Trichlorobenzene | ND | 5.0 | 0.30 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 13:23 | MFF |
| 1,2,4-Trichlorobenzene | ND | 1.0 | 0.25 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 13:23 | MFF |

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

Project Location: 250 Franklin St, Buffalo, NY | Sample Description: | Work Order: 22K1604

Date Received: 11/10/2022

**Field Sample #: MW-27S** | Sampled: 11/9/2022 13:00

**Sample ID: 22K1604-03**

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 |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | ND | 1.0 | 0.17 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 13:23 | MFF |
| 1,1,2-Trichloroethane | ND | 1.0 | 0.18 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 13:23 | MFF |
| Trichloroethylene | ND | 1.0 | 0.19 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 13:23 | MFF |
| Trichlorofluoromethane (Freon 11) | ND | 2.0 | 0.18 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 13:23 | MFF |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND | 1.0 | 0.23 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 13:23 | MFF |
| Vinyl Chloride | ND | 2.0 | 0.21 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 13:23 | MFF |
| Xylenes (total) | ND | 1.0 | 1.0 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 13:23 | MFF |

| Surrogates | % Recovery | Recovery Limits | Flag/Qual | |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 98.8 | 70-130 | | 11/14/22 13:23 |
| Toluene-d8 | 97.8 | 70-130 | | 11/14/22 13:23 |
| 4-Bromofluorobenzene | 100 | 70-130 | | 11/14/22 13:23 |

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Project Location: 250 Franklin St, Buffalo, NY | Sample Description: | Work Order: 22K1604

Date Received: 11/10/2022

**Field Sample #: MW-23D** | Sampled: 11/9/2022 14:45

**Sample ID: 22K1604-04**

Sample Matrix: Ground Water

Sample Flags: RL-11

**Volatile Organic Compounds by GC/MS**

| Analyte | Results | RL | DL | Units | Dilution | Flag/Qual | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | 250 | 10 | µg/L | 5 | | SW-846 8260D | 11/14/22 | 11/14/22 16:26 | MFF |
| Benzene | ND | 5.0 | 1.0 | µg/L | 5 | | SW-846 8260D | 11/14/22 | 11/14/22 16:26 | MFF |
| Bromochloromethane | ND | 5.0 | 1.5 | µg/L | 5 | | SW-846 8260D | 11/14/22 | 11/14/22 16:26 | MFF |
| Bromodichloromethane | ND | 2.5 | 0.90 | µg/L | 5 | | SW-846 8260D | 11/14/22 | 11/14/22 16:26 | MFF |
| Bromoform | ND | 5.0 | 1.9 | µg/L | 5 | | SW-846 8260D | 11/14/22 | 11/14/22 16:26 | MFF |
| Bromomethane | ND | 10 | 7.7 | µg/L | 5 | V-05 | SW-846 8260D | 11/14/22 | 11/14/22 16:26 | MFF |
| 2-Butanone (MEK) | 14 | 100 | 8.1 | µg/L | 5 | J | SW-846 8260D | 11/14/22 | 11/14/22 16:26 | MFF |
| Carbon Disulfide | ND | 25 | 7.2 | µg/L | 5 | | SW-846 8260D | 11/14/22 | 11/14/22 16:26 | MFF |
| Carbon Tetrachloride | ND | 25 | 0.82 | µg/L | 5 | | SW-846 8260D | 11/14/22 | 11/14/22 16:26 | MFF |
| Chlorobenzene | ND | 5.0 | 0.53 | µg/L | 5 | | SW-846 8260D | 11/14/22 | 11/14/22 16:26 | MFF |
| Chlorodibromomethane | ND | 2.5 | 1.1 | µg/L | 5 | | SW-846 8260D | 11/14/22 | 11/14/22 16:26 | MFF |
| Chloroethane | ND | 10 | 1.6 | µg/L | 5 | | SW-846 8260D | 11/14/22 | 11/14/22 16:26 | MFF |
| Chloroform | 1.8 | 10 | 0.84 | µg/L | 5 | J | SW-846 8260D | 11/14/22 | 11/14/22 16:26 | MFF |
| Chloromethane | ND | 10 | 2.6 | µg/L | 5 | | SW-846 8260D | 11/14/22 | 11/14/22 16:26 | MFF |
| Cyclohexane | ND | 25 | 8.8 | µg/L | 5 | | SW-846 8260D | 11/14/22 | 11/14/22 16:26 | MFF |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND | 25 | 4.0 | µg/L | 5 | V-05 | SW-846 8260D | 11/14/22 | 11/14/22 16:26 | MFF |
| 1,2-Dibromoethane (EDB) | ND | 2.5 | 0.85 | µg/L | 5 | | SW-846 8260D | 11/14/22 | 11/14/22 16:26 | MFF |
| 1,2-Dichlorobenzene | ND | 5.0 | 0.61 | µg/L | 5 | | SW-846 8260D | 11/14/22 | 11/14/22 16:26 | MFF |
| 1,3-Dichlorobenzene | ND | 5.0 | 0.59 | µg/L | 5 | | SW-846 8260D | 11/14/22 | 11/14/22 16:26 | MFF |
| 1,4-Dichlorobenzene | ND | 5.0 | 0.65 | µg/L | 5 | | SW-846 8260D | 11/14/22 | 11/14/22 16:26 | MFF |
| Dichlorodifluoromethane (Freon 12) | ND | 10 | 0.96 | µg/L | 5 | | SW-846 8260D | 11/14/22 | 11/14/22 16:26 | MFF |
| 1,1-Dichloroethane | ND | 5.0 | 0.71 | µg/L | 5 | | SW-846 8260D | 11/14/22 | 11/14/22 16:26 | MFF |
| 1,2-Dichloroethane | ND | 5.0 | 1.5 | µg/L | 5 | | SW-846 8260D | 11/14/22 | 11/14/22 16:26 | MFF |
| 1,1-Dichloroethylene | ND | 5.0 | 0.71 | µg/L | 5 | | SW-846 8260D | 11/14/22 | 11/14/22 16:26 | MFF |
| cis-1,2-Dichloroethylene | 2.8 | 5.0 | 0.73 | µg/L | 5 | J | SW-846 8260D | 11/14/22 | 11/14/22 16:26 | MFF |
| trans-1,2-Dichloroethylene | ND | 5.0 | 0.84 | µg/L | 5 | | SW-846 8260D | 11/14/22 | 11/14/22 16:26 | MFF |
| 1,2-Dichloropropane | ND | 5.0 | 0.91 | µg/L | 5 | | SW-846 8260D | 11/14/22 | 11/14/22 16:26 | MFF |
| cis-1,3-Dichloropropene | ND | 2.5 | 0.79 | µg/L | 5 | | SW-846 8260D | 11/14/22 | 11/14/22 16:26 | MFF |
| trans-1,3-Dichloropropene | ND | 2.5 | 0.84 | µg/L | 5 | | SW-846 8260D | 11/14/22 | 11/14/22 16:26 | MFF |
| 1,4-Dioxane | ND | 250 | 100 | µg/L | 5 | | SW-846 8260D | 11/14/22 | 11/14/22 16:26 | MFF |
| Ethylbenzene | ND | 5.0 | 1.1 | µg/L | 5 | | SW-846 8260D | 11/14/22 | 11/14/22 16:26 | MFF |
| 2-Hexanone (MBK) | ND | 50 | 5.6 | µg/L | 5 | | SW-846 8260D | 11/14/22 | 11/14/22 16:26 | MFF |
| Isopropylbenzene (Cumene) | ND | 5.0 | 0.54 | µg/L | 5 | | SW-846 8260D | 11/14/22 | 11/14/22 16:26 | MFF |
| Methyl Acetate | ND | 5.0 | 2.3 | µg/L | 5 | | SW-846 8260D | 11/14/22 | 11/14/22 16:26 | MFF |
| Methyl tert-Butyl Ether (MTBE) | ND | 5.0 | 0.86 | µg/L | 5 | | SW-846 8260D | 11/14/22 | 11/14/22 16:26 | MFF |
| Methyl Cyclohexane | ND | 5.0 | 1.2 | µg/L | 5 | | SW-846 8260D | 11/14/22 | 11/14/22 16:26 | MFF |
| Methylene Chloride | ND | 25 | 1.2 | µg/L | 5 | | SW-846 8260D | 11/14/22 | 11/14/22 16:26 | MFF |
| 4-Methyl-2-pentanone (MIBK) | ND | 50 | 6.4 | µg/L | 5 | | SW-846 8260D | 11/14/22 | 11/14/22 16:26 | MFF |
| Styrene | ND | 5.0 | 0.53 | µg/L | 5 | | SW-846 8260D | 11/14/22 | 11/14/22 16:26 | MFF |
| 1,1,2,2-Tetrachloroethane | ND | 2.5 | 0.63 | µg/L | 5 | | SW-846 8260D | 11/14/22 | 11/14/22 16:26 | MFF |
| Tetrachloroethylene | 500 | 5.0 | 0.94 | µg/L | 5 | | SW-846 8260D | 11/14/22 | 11/14/22 16:26 | MFF |
| Toluene | ND | 5.0 | 1.1 | µg/L | 5 | | SW-846 8260D | 11/14/22 | 11/14/22 16:26 | MFF |
| 1,2,3-Trichlorobenzene | ND | 25 | 1.5 | µg/L | 5 | | SW-846 8260D | 11/14/22 | 11/14/22 16:26 | MFF |
| 1,2,4-Trichlorobenzene | ND | 5.0 | 1.2 | µg/L | 5 | | SW-846 8260D | 11/14/22 | 11/14/22 16:26 | MFF |

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

Project Location: 250 Franklin St, Buffalo, NY | Sample Description: | Work Order: 22K1604

Date Received: 11/10/2022

**Field Sample #: MW-23D** | Sampled: 11/9/2022 14:45

**Sample ID: 22K1604-04**

Sample Matrix: Ground Water

Sample Flags: RL-11

**Volatile Organic Compounds by GC/MS**

| Analyte | Results | RL | DL | Units | Dilution | Flag/Qual | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | ND | 5.0 | 0.84 | µg/L | 5 | | SW-846 8260D | 11/14/22 | 11/14/22 16:26 | MFF |
| 1,1,2-Trichloroethane | ND | 5.0 | 0.91 | µg/L | 5 | | SW-846 8260D | 11/14/22 | 11/14/22 16:26 | MFF |
| Trichloroethylene | ND | 5.0 | 0.95 | µg/L | 5 | | SW-846 8260D | 11/14/22 | 11/14/22 16:26 | MFF |
| Trichlorofluoromethane (Freon 11) | ND | 10 | 0.88 | µg/L | 5 | | SW-846 8260D | 11/14/22 | 11/14/22 16:26 | MFF |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND | 5.0 | 1.1 | µg/L | 5 | | SW-846 8260D | 11/14/22 | 11/14/22 16:26 | MFF |
| Vinyl Chloride | ND | 10 | 1.0 | µg/L | 5 | | SW-846 8260D | 11/14/22 | 11/14/22 16:26 | MFF |
| Xylenes (total) | ND | 5.0 | 5.0 | µg/L | 5 | | SW-846 8260D | 11/14/22 | 11/14/22 16:26 | MFF |

| Surrogates | % Recovery | Recovery Limits | Flag/Qual | |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 95.7 | 70-130 | | 11/14/22 16:26 |
| Toluene-d8 | 98.5 | 70-130 | | 11/14/22 16:26 |
| 4-Bromofluorobenzene | 101 | 70-130 | | 11/14/22 16:26 |

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

Project Location: 250 Franklin St, Buffalo, NY | Sample Description: | Work Order: 22K1604

Date Received: 11/10/2022

**Field Sample #: DUP** | Sampled: 11/9/2022 11:35

**Sample ID: 22K1604-05**

Sample Matrix: Ground Water

Sample Flags: RL-11

**Volatile Organic Compounds by GC/MS**

| Analyte | Results | RL | DL | Units | Dilution | Flag/Qual | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | 500 | 20 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:52 | MFF |
| Benzene | ND | 10 | 2.0 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:52 | MFF |
| Bromochloromethane | ND | 10 | 3.1 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:52 | MFF |
| Bromodichloromethane | ND | 5.0 | 1.8 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:52 | MFF |
| Bromoform | ND | 10 | 3.8 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:52 | MFF |
| Bromomethane | ND | 20 | 15 | µg/L | 10 | V-05 | SW-846 8260D | 11/14/22 | 11/14/22 16:52 | MFF |
| 2-Butanone (MEK) | ND | 200 | 16 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:52 | MFF |
| Carbon Disulfide | ND | 50 | 14 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:52 | MFF |
| Carbon Tetrachloride | ND | 50 | 1.6 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:52 | MFF |
| Chlorobenzene | ND | 10 | 1.1 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:52 | MFF |
| Chlorodibromomethane | ND | 5.0 | 2.2 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:52 | MFF |
| Chloroethane | ND | 20 | 3.2 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:52 | MFF |
| Chloroform | ND | 20 | 1.7 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:52 | MFF |
| Chloromethane | ND | 20 | 5.2 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:52 | MFF |
| Cyclohexane | ND | 50 | 18 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:52 | MFF |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND | 50 | 8.0 | µg/L | 10 | V-05 | SW-846 8260D | 11/14/22 | 11/14/22 16:52 | MFF |
| 1,2-Dibromoethane (EDB) | ND | 5.0 | 1.7 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:52 | MFF |
| 1,2-Dichlorobenzene | ND | 10 | 1.2 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:52 | MFF |
| 1,3-Dichlorobenzene | ND | 10 | 1.2 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:52 | MFF |
| 1,4-Dichlorobenzene | ND | 10 | 1.3 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:52 | MFF |
| Dichlorodifluoromethane (Freon 12) | ND | 20 | 1.9 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:52 | MFF |
| 1,1-Dichloroethane | ND | 10 | 1.4 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:52 | MFF |
| 1,2-Dichloroethane | ND | 10 | 3.1 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:52 | MFF |
| 1,1-Dichloroethylene | ND | 10 | 1.4 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:52 | MFF |
| cis-1,2-Dichloroethylene | 13 | 10 | 1.5 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:52 | MFF |
| trans-1,2-Dichloroethylene | ND | 10 | 1.7 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:52 | MFF |
| 1,2-Dichloropropane | ND | 10 | 1.8 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:52 | MFF |
| cis-1,3-Dichloropropene | ND | 5.0 | 1.6 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:52 | MFF |
| trans-1,3-Dichloropropene | ND | 5.0 | 1.7 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:52 | MFF |
| 1,4-Dioxane | ND | 500 | 210 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:52 | MFF |
| Ethylbenzene | ND | 10 | 2.1 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:52 | MFF |
| 2-Hexanone (MBK) | ND | 100 | 11 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:52 | MFF |
| Isopropylbenzene (Cumene) | ND | 10 | 1.1 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:52 | MFF |
| Methyl Acetate | ND | 10 | 4.5 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:52 | MFF |
| Methyl tert-Butyl Ether (MTBE) | ND | 10 | 1.7 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:52 | MFF |
| Methyl Cyclohexane | ND | 10 | 2.4 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:52 | MFF |
| Methylene Chloride | ND | 50 | 2.3 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:52 | MFF |
| 4-Methyl-2-pentanone (MIBK) | ND | 100 | 13 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:52 | MFF |
| Styrene | ND | 10 | 1.1 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:52 | MFF |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | 1.3 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:52 | MFF |
| Tetrachloroethylene | 590 | 10 | 1.9 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:52 | MFF |
| Toluene | ND | 10 | 2.2 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:52 | MFF |
| 1,2,3-Trichlorobenzene | ND | 50 | 3.0 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:52 | MFF |
| 1,2,4-Trichlorobenzene | ND | 10 | 2.5 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:52 | MFF |

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

Project Location: 250 Franklin St, Buffalo, NY | Sample Description: | Work Order: 22K1604

Date Received: 11/10/2022

**Field Sample #: DUP** | Sampled: 11/9/2022 11:35

**Sample ID: 22K1604-05**

Sample Matrix: Ground Water

Sample Flags: RL-11

**Volatile Organic Compounds by GC/MS**

| Analyte | Results | RL | DL | Units | Dilution | Flag/Qual | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | ND | 10 | 1.7 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:52 | MFF |
| 1,1,2-Trichloroethane | ND | 10 | 1.8 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:52 | MFF |
| Trichloroethylene | 10 | 10 | 1.9 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:52 | MFF |
| Trichlorofluoromethane (Freon 11) | ND | 20 | 1.8 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:52 | MFF |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND | 10 | 2.3 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:52 | MFF |
| Vinyl Chloride | ND | 20 | 2.1 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:52 | MFF |
| Xylenes (total) | ND | 10 | 10 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:52 | MFF |

| Surrogates | % Recovery | Recovery Limits | Flag/Qual | |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 98.6 | 70-130 | | 11/14/22 16:52 |
| Toluene-d8 | 98.4 | 70-130 | | 11/14/22 16:52 |
| 4-Bromofluorobenzene | 102 | 70-130 | | 11/14/22 16:52 |

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Project Location: 250 Franklin St, Buffalo, NY | Sample Description: | Work Order: 22K1604

Date Received: 11/10/2022

**Field Sample #: Trip Blank** | Sampled: 11/9/2022 00:00

**Sample ID: 22K1604-06**

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 | ND | 50 | 2.0 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 10:46 | MFF |
| Benzene | ND | 1.0 | 0.20 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 10:46 | MFF |
| Bromochloromethane | ND | 1.0 | 0.31 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 10:46 | MFF |
| Bromodichloromethane | ND | 0.50 | 0.18 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 10:46 | MFF |
| Bromoform | ND | 1.0 | 0.38 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 10:46 | MFF |
| Bromomethane | ND | 2.0 | 1.5 | µg/L | 1 | V-05 | SW-846 8260D | 11/14/22 | 11/14/22 10:46 | MFF |
| 2-Butanone (MEK) | ND | 20 | 1.6 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 10:46 | MFF |
| Carbon Disulfide | ND | 5.0 | 1.4 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 10:46 | MFF |
| Carbon Tetrachloride | ND | 5.0 | 0.16 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 10:46 | MFF |
| Chlorobenzene | ND | 1.0 | 0.11 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 10:46 | MFF |
| Chlorodibromomethane | ND | 0.50 | 0.22 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 10:46 | MFF |
| Chloroethane | ND | 2.0 | 0.32 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 10:46 | MFF |
| Chloroform | 0.82 | 2.0 | 0.17 | µg/L | 1 | J | SW-846 8260D | 11/14/22 | 11/14/22 10:46 | MFF |
| Chloromethane | ND | 2.0 | 0.52 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 10:46 | MFF |
| Cyclohexane | ND | 5.0 | 1.8 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 10:46 | MFF |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND | 5.0 | 0.80 | µg/L | 1 | V-05 | SW-846 8260D | 11/14/22 | 11/14/22 10:46 | MFF |
| 1,2-Dibromoethane (EDB) | ND | 0.50 | 0.17 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 10:46 | MFF |
| 1,2-Dichlorobenzene | ND | 1.0 | 0.12 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 10:46 | MFF |
| 1,3-Dichlorobenzene | ND | 1.0 | 0.12 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 10:46 | MFF |
| 1,4-Dichlorobenzene | ND | 1.0 | 0.13 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 10:46 | MFF |
| Dichlorodifluoromethane (Freon 12) | ND | 2.0 | 0.19 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 10:46 | MFF |
| 1,1-Dichloroethane | ND | 1.0 | 0.14 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 10:46 | MFF |
| 1,2-Dichloroethane | ND | 1.0 | 0.31 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 10:46 | MFF |
| 1,1-Dichloroethylene | ND | 1.0 | 0.14 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 10:46 | MFF |
| cis-1,2-Dichloroethylene | ND | 1.0 | 0.15 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 10:46 | MFF |
| trans-1,2-Dichloroethylene | ND | 1.0 | 0.17 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 10:46 | MFF |
| 1,2-Dichloropropane | ND | 1.0 | 0.18 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 10:46 | MFF |
| cis-1,3-Dichloropropene | ND | 0.50 | 0.16 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 10:46 | MFF |
| trans-1,3-Dichloropropene | ND | 0.50 | 0.17 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 10:46 | MFF |
| 1,4-Dioxane | ND | 50 | 21 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 10:46 | MFF |
| Ethylbenzene | ND | 1.0 | 0.21 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 10:46 | MFF |
| 2-Hexanone (MBK) | ND | 10 | 1.1 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 10:46 | MFF |
| Isopropylbenzene (Cumene) | ND | 1.0 | 0.11 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 10:46 | MFF |
| Methyl Acetate | ND | 1.0 | 0.45 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 10:46 | MFF |
| Methyl tert-Butyl Ether (MTBE) | ND | 1.0 | 0.17 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 10:46 | MFF |
| Methyl Cyclohexane | ND | 1.0 | 0.24 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 10:46 | MFF |
| Methylene Chloride | ND | 5.0 | 0.23 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 10:46 | MFF |
| 4-Methyl-2-pentanone (MIBK) | ND | 10 | 1.3 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 10:46 | MFF |
| Styrene | ND | 1.0 | 0.11 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 10:46 | MFF |
| 1,1,2,2-Tetrachloroethane | ND | 0.50 | 0.13 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 10:46 | MFF |
| Tetrachloroethylene | ND | 1.0 | 0.19 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 10:46 | MFF |
| Toluene | ND | 1.0 | 0.22 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 10:46 | MFF |
| 1,2,3-Trichlorobenzene | ND | 5.0 | 0.30 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 10:46 | MFF |
| 1,2,4-Trichlorobenzene | ND | 1.0 | 0.25 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 10:46 | MFF |

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Project Location: 250 Franklin St, Buffalo, NY | Sample Description: | Work Order: 22K1604

Date Received: 11/10/2022

**Field Sample #: Trip Blank** | Sampled: 11/9/2022 00:00

**Sample ID: 22K1604-06**

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 |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | ND | 1.0 | 0.17 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 10:46 | MFF |
| 1,1,2-Trichloroethane | ND | 1.0 | 0.18 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 10:46 | MFF |
| Trichloroethylene | ND | 1.0 | 0.19 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 10:46 | MFF |
| Trichlorofluoromethane (Freon 11) | ND | 2.0 | 0.18 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 10:46 | MFF |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND | 1.0 | 0.23 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 10:46 | MFF |
| Vinyl Chloride | ND | 2.0 | 0.21 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 10:46 | MFF |
| Xylenes (total) | ND | 1.0 | 1.0 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 10:46 | MFF |

| Surrogates | % Recovery | Recovery Limits | Flag/Qual | |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 96.8 | 70-130 | | 11/14/22 10:46 |
| Toluene-d8 | 98.4 | 70-130 | | 11/14/22 10:46 |
| 4-Bromofluorobenzene | 100 | 70-130 | | 11/14/22 10:46 |

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## Sample Extraction Data

**Prep Method: SW-846 5030B** **Analytical Method: SW-846 8260D**

| Lab Number [Field ID] | Batch | Initial [mL] | Final [mL] | Date |
|---|---|---|---|---|
| 22K1604-01 [MW-25S] | B322925 | 1.25 | 5.00 | 11/14/22 |
| 22K1604-02 [MW-26S] | B322925 | 0.5 | 5.00 | 11/14/22 |
| 22K1604-03 [MW-27S] | B322925 | 5 | 5.00 | 11/14/22 |
| 22K1604-04 [MW-23D] | B322925 | 1 | 5.00 | 11/14/22 |
| 22K1604-05 [DUP] | B322925 | 0.5 | 5.00 | 11/14/22 |
| 22K1604-06 [Trip Blank] | B322925 | 5 | 5.00 | 11/14/22 |

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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 B322925 - SW-846 5030B** | | | | | | | | | | |
| **Blank (B322925-BLK1)** | | | | Prepared & Analyzed: 11/14/22 | | | | | | |
| 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 | | | | | | | V-05 |
| 2-Butanone (MEK) | ND | 20 | µg/L | | | | | | | |
| Carbon Disulfide | ND | 5.0 | µg/L | | | | | | | |
| Carbon Tetrachloride | ND | 5.0 | µg/L | | | | | | | |
| 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 | | | | | | | V-05 |
| 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 | | | | | | | |
| 1,4-Dioxane | ND | 50 | µg/L | | | | | | | |
| Ethylbenzene | ND | 1.0 | µg/L | | | | | | | |
| 2-Hexanone (MBK) | ND | 10 | µg/L | | | | | | | |
| Isopropylbenzene (Cumene) | 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 | | | | | | | |
| 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 | | | | | | | |
| 1,1,1-Trichloroethane | ND | 1.0 | µg/L | | | | | | | |
| 1,1,2-Trichloroethane | ND | 1.0 | µg/L | | | | | | | |
| Trichloroethylene | ND | 1.0 | µg/L | | | | | | | |
| Trichlorofluoromethane (Freon 11) | ND | 2.0 | µg/L | | | | | | | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND | 1.0 | µg/L | | | | | | | |
| Vinyl Chloride | ND | 2.0 | µg/L | | | | | | | |
| m+p Xylene | ND | 2.0 | 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 B322925 - SW-846 5030B** | | | | | | | | | | | |
| **Blank (B322925-BLK1)** | | | | Prepared & Analyzed: 11/14/22 | | | | | | | |
| o-Xylene | ND | 1.0 | µg/L | | | | | | | | |
| Xylenes (total) | ND | 1.0 | µg/L | | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | *23.8* | | µg/L | 25.0 | | 95.2 | 70-130 | | | | |
| Surrogate: Toluene-d8 | *24.7* | | µg/L | 25.0 | | 98.7 | 70-130 | | | | |
| Surrogate: 4-Bromofluorobenzene | *25.0* | | µg/L | 25.0 | | 100 | 70-130 | | | | |
| **LCS (B322925-BS1)** | | | | Prepared & Analyzed: 11/14/22 | | | | | | | |
| Acetone | 110 | 50 | µg/L | 100 | | 110 | 70-160 | | | | † |
| Benzene | 9.95 | 1.0 | µg/L | 10.0 | | 99.5 | 70-130 | | | | |
| Bromochloromethane | 10.8 | 1.0 | µg/L | 10.0 | | 108 | 70-130 | | | | |
| Bromodichloromethane | 10.1 | 0.50 | µg/L | 10.0 | | 101 | 70-130 | | | | |
| Bromoform | 9.22 | 1.0 | µg/L | 10.0 | | 92.2 | 70-130 | | | | |
| Bromomethane | 6.15 | 2.0 | µg/L | 10.0 | | 61.5 | 40-160 | | | V-05 | † |
| 2-Butanone (MEK) | 112 | 20 | µg/L | 100 | | 112 | 40-160 | | | | † |
| Carbon Disulfide | 99.7 | 5.0 | µg/L | 100 | | 99.7 | 70-130 | | | | |
| Carbon Tetrachloride | 9.98 | 5.0 | µg/L | 10.0 | | 99.8 | 70-130 | | | | |
| Chlorobenzene | 10.5 | 1.0 | µg/L | 10.0 | | 105 | 70-130 | | | | |
| Chlorodibromomethane | 10.1 | 0.50 | µg/L | 10.0 | | 101 | 70-130 | | | | |
| Chloroethane | 10.5 | 2.0 | µg/L | 10.0 | | 105 | 70-130 | | | | |
| Chloroform | 9.73 | 2.0 | µg/L | 10.0 | | 97.3 | 70-130 | | | | |
| Chloromethane | 8.99 | 2.0 | µg/L | 10.0 | | 89.9 | 40-160 | | | | † |
| Cyclohexane | 10.2 | 5.0 | µg/L | 10.0 | | 102 | 70-130 | | | | |
| 1,2-Dibromo-3-chloropropane (DBCP) | 8.48 | 5.0 | µg/L | 10.0 | | 84.8 | 70-130 | | | V-05 | |
| 1,2-Dibromoethane (EDB) | 10.7 | 0.50 | µg/L | 10.0 | | 107 | 70-130 | | | | |
| 1,2-Dichlorobenzene | 9.53 | 1.0 | µg/L | 10.0 | | 95.3 | 70-130 | | | | |
| 1,3-Dichlorobenzene | 9.29 | 1.0 | µg/L | 10.0 | | 92.9 | 70-130 | | | | |
| 1,4-Dichlorobenzene | 9.40 | 1.0 | µg/L | 10.0 | | 94.0 | 70-130 | | | | |
| Dichlorodifluoromethane (Freon 12) | 10.6 | 2.0 | µg/L | 10.0 | | 106 | 40-160 | | | | † |
| 1,1-Dichloroethane | 10.6 | 1.0 | µg/L | 10.0 | | 106 | 70-130 | | | | |
| 1,2-Dichloroethane | 11.0 | 1.0 | µg/L | 10.0 | | 110 | 70-130 | | | | |
| 1,1-Dichloroethylene | 10.7 | 1.0 | µg/L | 10.0 | | 107 | 70-130 | | | | |
| cis-1,2-Dichloroethylene | 10.6 | 1.0 | µg/L | 10.0 | | 106 | 70-130 | | | | |
| trans-1,2-Dichloroethylene | 10.7 | 1.0 | µg/L | 10.0 | | 107 | 70-130 | | | | |
| 1,2-Dichloropropane | 11.0 | 1.0 | µg/L | 10.0 | | 110 | 70-130 | | | | |
| cis-1,3-Dichloropropene | 9.80 | 0.50 | µg/L | 10.0 | | 98.0 | 70-130 | | | | |
| trans-1,3-Dichloropropene | 9.96 | 0.50 | µg/L | 10.0 | | 99.6 | 70-130 | | | | |
| 1,4-Dioxane | 88.5 | 50 | µg/L | 100 | | 88.5 | 40-130 | | | | † |
| Ethylbenzene | 10.8 | 1.0 | µg/L | 10.0 | | 108 | 70-130 | | | | |
| 2-Hexanone (MBK) | 113 | 10 | µg/L | 100 | | 113 | 70-160 | | | | † |
| Isopropylbenzene (Cumene) | 10.2 | 1.0 | µg/L | 10.0 | | 102 | 70-130 | | | | |
| Methyl Acetate | 11.5 | 1.0 | µg/L | 10.0 | | 115 | 70-130 | | | V-20 | |
| Methyl tert-Butyl Ether (MTBE) | 9.77 | 1.0 | µg/L | 10.0 | | 97.7 | 70-130 | | | | |
| Methyl Cyclohexane | 10.6 | 1.0 | µg/L | 10.0 | | 106 | 70-130 | | | | |
| Methylene Chloride | 10.6 | 5.0 | µg/L | 10.0 | | 106 | 70-130 | | | | |
| 4-Methyl-2-pentanone (MIBK) | 113 | 10 | µg/L | 100 | | 113 | 70-160 | | | | † |
| Styrene | 10.1 | 1.0 | µg/L | 10.0 | | 101 | 70-130 | | | | |
| 1,1,2,2-Tetrachloroethane | 9.91 | 0.50 | µg/L | 10.0 | | 99.1 | 70-130 | | | | |
| Tetrachloroethylene | 11.8 | 1.0 | µg/L | 10.0 | | 118 | 70-130 | | | | |
| Toluene | 11.0 | 1.0 | µg/L | 10.0 | | 110 | 70-130 | | | | |
| 1,2,3-Trichlorobenzene | 8.95 | 5.0 | µg/L | 10.0 | | 89.5 | 70-130 | | | | |
| 1,2,4-Trichlorobenzene | 9.33 | 1.0 | µg/L | 10.0 | | 93.3 | 70-130 | | | | |
| 1,1,1-Trichloroethane | 10.4 | 1.0 | µg/L | 10.0 | | 104 | 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 B322925 - SW-846 5030B** | | | | | | | | | | | |
| **LCS (B322925-BS1)** | | | | Prepared & Analyzed: 11/14/22 | | | | | | | |
| 1,1,2-Trichloroethane | 10.3 | 1.0 | µg/L | 10.0 | | 103 | 70-130 | | | | |
| Trichloroethylene | 11.1 | 1.0 | µg/L | 10.0 | | 111 | 70-130 | | | | |
| Trichlorofluoromethane (Freon 11) | 11.2 | 2.0 | µg/L | 10.0 | | 112 | 70-130 | | | | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | 11.2 | 1.0 | µg/L | 10.0 | | 112 | 70-130 | | | | |
| Vinyl Chloride | 10.7 | 2.0 | µg/L | 10.0 | | 107 | 40-160 | | | | † |
| m+p Xylene | 21.9 | 2.0 | µg/L | 20.0 | | 109 | 70-130 | | | | |
| o-Xylene | 10.6 | 1.0 | µg/L | 10.0 | | 106 | 70-130 | | | | |
| Xylenes (total) | 32.5 | 1.0 | µg/L | 30.0 | | 108 | 0-200 | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | *23.8* | | µg/L | 25.0 | | 95.1 | 70-130 | | | | |
| Surrogate: Toluene-d8 | *24.8* | | µg/L | 25.0 | | 99.0 | 70-130 | | | | |
| Surrogate: 4-Bromofluorobenzene | *25.4* | | µg/L | 25.0 | | 102 | 70-130 | | | | |
| **LCS Dup (B322925-BSD1)** | | | | Prepared & Analyzed: 11/14/22 | | | | | | | |
| Acetone | 111 | 50 | µg/L | 100 | | 111 | 70-160 | 1.02 | 25 | | † |
| Benzene | 9.73 | 1.0 | µg/L | 10.0 | | 97.3 | 70-130 | 2.24 | 25 | | |
| Bromochloromethane | 10.5 | 1.0 | µg/L | 10.0 | | 105 | 70-130 | 2.99 | 25 | | |
| Bromodichloromethane | 9.83 | 0.50 | µg/L | 10.0 | | 98.3 | 70-130 | 2.71 | 25 | | |
| Bromoform | 9.22 | 1.0 | µg/L | 10.0 | | 92.2 | 70-130 | 0.00 | 25 | | |
| Bromomethane | 6.11 | 2.0 | µg/L | 10.0 | | 61.1 | 40-160 | 0.653 | 25 | V-05 | † |
| 2-Butanone (MEK) | 112 | 20 | µg/L | 100 | | 112 | 40-160 | 0.669 | 25 | | † |
| Carbon Disulfide | 97.4 | 5.0 | µg/L | 100 | | 97.4 | 70-130 | 2.33 | 25 | | |
| Carbon Tetrachloride | 9.42 | 5.0 | µg/L | 10.0 | | 94.2 | 70-130 | 5.77 | 25 | | |
| Chlorobenzene | 10.4 | 1.0 | µg/L | 10.0 | | 104 | 70-130 | 0.863 | 25 | | |
| Chlorodibromomethane | 9.68 | 0.50 | µg/L | 10.0 | | 96.8 | 70-130 | 4.35 | 25 | | |
| Chloroethane | 10.1 | 2.0 | µg/L | 10.0 | | 101 | 70-130 | 3.11 | 25 | | |
| Chloroform | 9.45 | 2.0 | µg/L | 10.0 | | 94.5 | 70-130 | 2.92 | 25 | | |
| Chloromethane | 8.83 | 2.0 | µg/L | 10.0 | | 88.3 | 40-160 | 1.80 | 25 | | † |
| Cyclohexane | 9.99 | 5.0 | µg/L | 10.0 | | 99.9 | 70-130 | 2.47 | 25 | | |
| 1,2-Dibromo-3-chloropropane (DBCP) | 8.06 | 5.0 | µg/L | 10.0 | | 80.6 | 70-130 | 5.08 | 25 | V-05 | |
| 1,2-Dibromoethane (EDB) | 10.4 | 0.50 | µg/L | 10.0 | | 104 | 70-130 | 3.32 | 25 | | |
| 1,2-Dichlorobenzene | 9.30 | 1.0 | µg/L | 10.0 | | 93.0 | 70-130 | 2.44 | 25 | | |
| 1,3-Dichlorobenzene | 9.11 | 1.0 | µg/L | 10.0 | | 91.1 | 70-130 | 1.96 | 25 | | |
| 1,4-Dichlorobenzene | 9.30 | 1.0 | µg/L | 10.0 | | 93.0 | 70-130 | 1.07 | 25 | | |
| Dichlorodifluoromethane (Freon 12) | 10.2 | 2.0 | µg/L | 10.0 | | 102 | 40-160 | 4.32 | 25 | | † |
| 1,1-Dichloroethane | 10.6 | 1.0 | µg/L | 10.0 | | 106 | 70-130 | 0.0942 | 25 | | |
| 1,2-Dichloroethane | 10.8 | 1.0 | µg/L | 10.0 | | 108 | 70-130 | 1.38 | 25 | | |
| 1,1-Dichloroethylene | 10.5 | 1.0 | µg/L | 10.0 | | 105 | 70-130 | 1.60 | 25 | | |
| cis-1,2-Dichloroethylene | 10.5 | 1.0 | µg/L | 10.0 | | 105 | 70-130 | 0.761 | 25 | | |
| trans-1,2-Dichloroethylene | 10.4 | 1.0 | µg/L | 10.0 | | 104 | 70-130 | 3.12 | 25 | | |
| 1,2-Dichloropropane | 10.5 | 1.0 | µg/L | 10.0 | | 105 | 70-130 | 5.10 | 25 | | |
| cis-1,3-Dichloropropene | 9.63 | 0.50 | µg/L | 10.0 | | 96.3 | 70-130 | 1.75 | 25 | | |
| trans-1,3-Dichloropropene | 9.69 | 0.50 | µg/L | 10.0 | | 96.9 | 70-130 | 2.75 | 25 | | |
| 1,4-Dioxane | 91.1 | 50 | µg/L | 100 | | 91.1 | 40-130 | 2.85 | 50 | | † ‡ |
| Ethylbenzene | 10.6 | 1.0 | µg/L | 10.0 | | 106 | 70-130 | 1.59 | 25 | | |
| 2-Hexanone (MBK) | 111 | 10 | µg/L | 100 | | 111 | 70-160 | 1.85 | 25 | | † |
| Isopropylbenzene (Cumene) | 9.97 | 1.0 | µg/L | 10.0 | | 99.7 | 70-130 | 1.99 | 25 | | |
| Methyl Acetate | 11.1 | 1.0 | µg/L | 10.0 | | 111 | 70-130 | 3.46 | 25 | V-20 | |
| Methyl tert-Butyl Ether (MTBE) | 9.69 | 1.0 | µg/L | 10.0 | | 96.9 | 70-130 | 0.822 | 25 | | |
| Methyl Cyclohexane | 10.0 | 1.0 | µg/L | 10.0 | | 100 | 70-130 | 5.15 | 25 | | |
| Methylene Chloride | 10.4 | 5.0 | µg/L | 10.0 | | 104 | 70-130 | 1.99 | 25 | | |
| 4-Methyl-2-pentanone (MIBK) | 111 | 10 | µg/L | 100 | | 111 | 70-160 | 1.63 | 25 | | † |
| Styrene | 9.93 | 1.0 | µg/L | 10.0 | | 99.3 | 70-130 | 1.70 | 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 B322925 - SW-846 5030B** | | | | | | | | | | | |
| **LCS Dup (B322925-BSD1)** | | | | Prepared & Analyzed: 11/14/22 | | | | | | | |
| 1,1,2,2-Tetrachloroethane | 9.68 | 0.50 | µg/L | 10.0 | | 96.8 | | 70-130 | 2.35 | 25 | |
| Tetrachloroethylene | 11.2 | 1.0 | µg/L | 10.0 | | 112 | | 70-130 | 4.95 | 25 | |
| Toluene | 10.6 | 1.0 | µg/L | 10.0 | | 106 | | 70-130 | 3.70 | 25 | |
| 1,2,3-Trichlorobenzene | 8.64 | 5.0 | µg/L | 10.0 | | 86.4 | | 70-130 | 3.52 | 25 | |
| 1,2,4-Trichlorobenzene | 9.16 | 1.0 | µg/L | 10.0 | | 91.6 | | 70-130 | 1.84 | 25 | |
| 1,1,1-Trichloroethane | 9.96 | 1.0 | µg/L | 10.0 | | 99.6 | | 70-130 | 4.03 | 25 | |
| 1,1,2-Trichloroethane | 10.5 | 1.0 | µg/L | 10.0 | | 105 | | 70-130 | 1.82 | 25 | |
| Trichloroethylene | 10.7 | 1.0 | µg/L | 10.0 | | 107 | | 70-130 | 3.85 | 25 | |
| Trichlorofluoromethane (Freon 11) | 10.6 | 2.0 | µg/L | 10.0 | | 106 | | 70-130 | 5.23 | 25 | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | 10.8 | 1.0 | µg/L | 10.0 | | 108 | | 70-130 | 2.82 | 25 | |
| Vinyl Chloride | 10.2 | 2.0 | µg/L | 10.0 | | 102 | | 40-160 | 4.67 | 25 | † |
| m+p Xylene | 21.2 | 2.0 | µg/L | 20.0 | | 106 | | 70-130 | 3.25 | 25 | |
| o-Xylene | 10.2 | 1.0 | µg/L | 10.0 | | 102 | | 70-130 | 3.45 | 25 | |
| Xylenes (total) | 31.4 | 1.0 | µg/L | 30.0 | | 105 | | 0-200 | 3.32 | | |
| Surrogate: 1,2-Dichloroethane-d4 | *23.9* | | µg/L | 25.0 | | 95.7 | | 70-130 | | | |
| Surrogate: Toluene-d8 | *24.6* | | µg/L | 25.0 | | 98.6 | | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | *26.0* | | µg/L | 25.0 | | 104 | | 70-130 | | | |
| **Matrix Spike (B322925-MS1)** | **Source: 22K1604-01** | | | Prepared & Analyzed: 11/14/22 | | | | | | | |
| Acetone | 413 | 200 | µg/L | 400 | ND | 103 | | 70-130 | | | |
| Benzene | 39.7 | 4.0 | µg/L | 40.0 | ND | 99.2 | | 70-130 | | | |
| Bromochloromethane | 42.2 | 4.0 | µg/L | 40.0 | ND | 106 | | 70-130 | | | |
| Bromodichloromethane | 38.3 | 2.0 | µg/L | 40.0 | ND | 95.8 | | 70-130 | | | |
| Bromoform | 34.3 | 4.0 | µg/L | 40.0 | ND | 85.7 | | 70-130 | | | |
| **Bromomethane** | 21.4 | 8.0 | µg/L | 40.0 | ND | **53.6** | * | 70-130 | | | MS-07A, V-05 |
| 2-Butanone (MEK) | 433 | 80 | µg/L | 400 | ND | 108 | | 70-130 | | | |
| Carbon Disulfide | 400 | 20 | µg/L | 400 | ND | 99.9 | | 70-130 | | | |
| Carbon Tetrachloride | 39.5 | 20 | µg/L | 40.0 | ND | 98.8 | | 70-130 | | | |
| Chlorobenzene | 41.5 | 4.0 | µg/L | 40.0 | ND | 104 | | 70-130 | | | |
| Chlorodibromomethane | 38.0 | 2.0 | µg/L | 40.0 | ND | 95.0 | | 70-130 | | | |
| Chloroethane | 41.5 | 8.0 | µg/L | 40.0 | ND | 104 | | 70-130 | | | |
| Chloroform | 39.7 | 8.0 | µg/L | 40.0 | 1.48 | 95.6 | | 70-130 | | | |
| Chloromethane | 33.8 | 8.0 | µg/L | 40.0 | ND | 84.5 | | 70-130 | | | |
| Cyclohexane | 41.2 | 20 | µg/L | 40.0 | ND | 103 | | 70-130 | | | |
| **1,2-Dibromo-3-chloropropane (DBCP)** | 27.3 | 20 | µg/L | 40.0 | ND | **68.2** | * | 70-130 | | | MS-07A, V-05 |
| 1,2-Dibromoethane (EDB) | 40.8 | 2.0 | µg/L | 40.0 | ND | 102 | | 70-130 | | | |
| 1,2-Dichlorobenzene | 36.2 | 4.0 | µg/L | 40.0 | ND | 90.4 | | 70-130 | | | |
| 1,3-Dichlorobenzene | 36.1 | 4.0 | µg/L | 40.0 | ND | 90.2 | | 70-130 | | | |
| 1,4-Dichlorobenzene | 36.9 | 4.0 | µg/L | 40.0 | ND | 92.3 | | 70-130 | | | |
| Dichlorodifluoromethane (Freon 12) | 42.3 | 8.0 | µg/L | 40.0 | ND | 106 | | 70-130 | | | |
| 1,1-Dichloroethane | 41.4 | 4.0 | µg/L | 40.0 | ND | 104 | | 70-130 | | | |
| 1,2-Dichloroethane | 41.2 | 4.0 | µg/L | 40.0 | ND | 103 | | 70-130 | | | |
| 1,1-Dichloroethylene | 44.4 | 4.0 | µg/L | 40.0 | 0.680 | 109 | | 70-130 | | | |
| **cis-1,2-Dichloroethylene** | 389 | 4.0 | µg/L | 40.0 | 379 | **26.0** | * | 70-130 | | | MS-19 |
| trans-1,2-Dichloroethylene | 45.2 | 4.0 | µg/L | 40.0 | 2.92 | 106 | | 70-130 | | | |
| 1,2-Dichloropropane | 43.1 | 4.0 | µg/L | 40.0 | ND | 108 | | 70-130 | | | |
| cis-1,3-Dichloropropene | 35.8 | 2.0 | µg/L | 40.0 | ND | 89.4 | | 70-130 | | | |
| trans-1,3-Dichloropropene | 35.8 | 2.0 | µg/L | 40.0 | ND | 89.4 | | 70-130 | | | |
| 1,4-Dioxane | 341 | 200 | µg/L | 400 | ND | 85.3 | | 70-130 | | | |
| Ethylbenzene | 41.4 | 4.0 | µg/L | 40.0 | ND | 103 | | 70-130 | | | |
| 2-Hexanone (MBK) | 413 | 40 | µg/L | 400 | ND | 103 | | 70-130 | | | |
| Isopropylbenzene (Cumene) | 39.7 | 4.0 | µg/L | 40.0 | ND | 99.3 | | 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 B322925 - SW-846 5030B** | | | | | | | | | | | |
| **Matrix Spike (B322925-MS1)** | **Source: 22K1604-01** | | | Prepared & Analyzed: 11/14/22 | | | | | | | |
| Methyl Acetate | 41.0 | 4.0 | µg/L | 40.0 | ND | 102 | | 70-130 | | | V-20 |
| Methyl tert-Butyl Ether (MTBE) | 36.5 | 4.0 | µg/L | 40.0 | ND | 91.3 | | 70-130 | | | |
| Methyl Cyclohexane | 41.6 | 4.0 | µg/L | 40.0 | ND | 104 | | 70-130 | | | |
| Methylene Chloride | 42.7 | 20 | µg/L | 40.0 | ND | 107 | | 70-130 | | | |
| 4-Methyl-2-pentanone (MIBK) | 418 | 40 | µg/L | 400 | ND | 104 | | 70-130 | | | |
| Styrene | 39.4 | 4.0 | µg/L | 40.0 | ND | 98.5 | | 70-130 | | | |
| 1,1,2,2-Tetrachloroethane | 38.3 | 2.0 | µg/L | 40.0 | ND | 95.7 | | 70-130 | | | |
| Tetrachloroethylene | 297 | 4.0 | µg/L | 40.0 | 256 | 102 | | 70-130 | | | |
| Toluene | 42.5 | 4.0 | µg/L | 40.0 | ND | 106 | | 70-130 | | | |
| 1,2,3-Trichlorobenzene | 30.7 | 20 | µg/L | 40.0 | ND | 76.7 | | 70-130 | | | |
| 1,2,4-Trichlorobenzene | 33.7 | 4.0 | µg/L | 40.0 | ND | 84.2 | | 70-130 | | | |
| 1,1,1-Trichloroethane | 40.5 | 4.0 | µg/L | 40.0 | ND | 101 | | 70-130 | | | |
| 1,1,2-Trichloroethane | 40.6 | 4.0 | µg/L | 40.0 | ND | 102 | | 70-130 | | | |
| Trichloroethylene | 89.8 | 4.0 | µg/L | 40.0 | 49.0 | 102 | | 70-130 | | | |
| Trichlorofluoromethane (Freon 11) | 43.2 | 8.0 | µg/L | 40.0 | ND | 108 | | 70-130 | | | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | 43.0 | 4.0 | µg/L | 40.0 | ND | 108 | | 70-130 | | | |
| Vinyl Chloride | 43.8 | 8.0 | µg/L | 40.0 | ND | 109 | | 70-130 | | | |
| m+p Xylene | 82.8 | 8.0 | µg/L | 80.0 | ND | 104 | | 70-130 | | | |
| o-Xylene | 41.0 | 4.0 | µg/L | 40.0 | ND | 102 | | 70-130 | | | |
| Xylenes (total) | 124 | 4.0 | µg/L | 120 | ND | 103 | | 0-200 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | *23.8* | | µg/L | 25.0 | | 95.4 | | 70-130 | | | |
| Surrogate: Toluene-d8 | *24.8* | | µg/L | 25.0 | | 99.2 | | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | *25.6* | | µg/L | 25.0 | | 102 | | 70-130 | | | |
| **Matrix Spike Dup (B322925-MSD1)** | **Source: 22K1604-01** | | | Prepared & Analyzed: 11/14/22 | | | | | | | |
| Acetone | 403 | 200 | µg/L | 400 | ND | 101 | | 70-130 | 2.54 | 30 | |
| Benzene | 38.2 | 4.0 | µg/L | 40.0 | ND | 95.4 | | 70-130 | 3.91 | 30 | |
| Bromochloromethane | 42.3 | 4.0 | µg/L | 40.0 | ND | 106 | | 70-130 | 0.284 | 30 | |
| Bromodichloromethane | 36.2 | 2.0 | µg/L | 40.0 | ND | 90.5 | | 70-130 | 5.69 | 30 | |
| Bromoform | 33.1 | 4.0 | µg/L | 40.0 | ND | 82.8 | | 70-130 | 3.44 | 30 | |
| **Bromomethane** | 16.6 | 8.0 | µg/L | 40.0 | ND | **41.6** | * | 70-130 | 25.2 | 30 | MS-07A, V-05 |
| 2-Butanone (MEK) | 423 | 80 | µg/L | 400 | ND | 106 | | 70-130 | 2.38 | 30 | |
| Carbon Disulfide | 394 | 20 | µg/L | 400 | ND | 98.6 | | 70-130 | 1.38 | 30 | |
| Carbon Tetrachloride | 38.8 | 20 | µg/L | 40.0 | ND | 97.0 | | 70-130 | 1.84 | 30 | |
| Chlorobenzene | 40.0 | 4.0 | µg/L | 40.0 | ND | 100 | | 70-130 | 3.63 | 30 | |
| Chlorodibromomethane | 36.3 | 2.0 | µg/L | 40.0 | ND | 90.7 | | 70-130 | 4.63 | 30 | |
| Chloroethane | 43.1 | 8.0 | µg/L | 40.0 | ND | 108 | | 70-130 | 3.88 | 30 | |
| Chloroform | 39.8 | 8.0 | µg/L | 40.0 | 1.48 | 95.8 | | 70-130 | 0.201 | 30 | |
| Chloromethane | 31.8 | 8.0 | µg/L | 40.0 | ND | 79.6 | | 70-130 | 5.97 | 30 | |
| Cyclohexane | 40.1 | 20 | µg/L | 40.0 | ND | 100 | | 70-130 | 2.76 | 30 | |
| **1,2-Dibromo-3-chloropropane (DBCP)** | 25.5 | 20 | µg/L | 40.0 | ND | **63.7** | * | 70-130 | 6.82 | 30 | MS-07A, V-05 |
| 1,2-Dibromoethane (EDB) | 39.8 | 2.0 | µg/L | 40.0 | ND | 99.6 | | 70-130 | 2.28 | 30 | |
| 1,2-Dichlorobenzene | 34.5 | 4.0 | µg/L | 40.0 | ND | 86.3 | | 70-130 | 4.64 | 30 | |
| 1,3-Dichlorobenzene | 34.1 | 4.0 | µg/L | 40.0 | ND | 85.3 | | 70-130 | 5.58 | 30 | |
| 1,4-Dichlorobenzene | 35.2 | 4.0 | µg/L | 40.0 | ND | 87.9 | | 70-130 | 4.88 | 30 | |
| Dichlorodifluoromethane (Freon 12) | 40.6 | 8.0 | µg/L | 40.0 | ND | 101 | | 70-130 | 4.15 | 30 | |
| 1,1-Dichloroethane | 40.4 | 4.0 | µg/L | 40.0 | ND | 101 | | 70-130 | 2.35 | 30 | |
| 1,2-Dichloroethane | 40.4 | 4.0 | µg/L | 40.0 | ND | 101 | | 70-130 | 1.96 | 30 | |
| 1,1-Dichloroethylene | 42.6 | 4.0 | µg/L | 40.0 | 0.680 | 105 | | 70-130 | 4.32 | 30 | |
| **cis-1,2-Dichloroethylene** | 400 | 4.0 | µg/L | 40.0 | 379 | **52.7** | * | 70-130 | 2.71 | 30 | MS-19 |
| trans-1,2-Dichloroethylene | 45.3 | 4.0 | µg/L | 40.0 | 2.92 | 106 | | 70-130 | 0.265 | 30 | |
| 1,2-Dichloropropane | 40.8 | 4.0 | µg/L | 40.0 | ND | 102 | | 70-130 | 5.34 | 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 B322925 - SW-846 5030B** | | | | | | | | | | |
| **Matrix Spike Dup (B322925-MSD1)** | **Source: 22K1604-01** | | | Prepared & Analyzed: 11/14/22 | | | | | | |
| cis-1,3-Dichloropropene | 34.8 | 2.0 | µg/L | 40.0 | ND | 87.1 | 70-130 | 2.61 | 30 | |
| trans-1,3-Dichloropropene | 34.7 | 2.0 | µg/L | 40.0 | ND | 86.7 | 70-130 | 3.07 | 30 | |
| 1,4-Dioxane | 332 | 200 | µg/L | 400 | ND | 83.1 | 70-130 | 2.60 | 30 | |
| Ethylbenzene | 39.9 | 4.0 | µg/L | 40.0 | ND | 99.8 | 70-130 | 3.54 | 30 | |
| 2-Hexanone (MBK) | 399 | 40 | µg/L | 400 | ND | 99.8 | 70-130 | 3.43 | 30 | |
| Isopropylbenzene (Cumene) | 38.0 | 4.0 | µg/L | 40.0 | ND | 94.9 | 70-130 | 4.53 | 30 | |
| Methyl Acetate | 39.9 | 4.0 | µg/L | 40.0 | ND | 99.7 | 70-130 | 2.67 | 30 | V-20 |
| Methyl tert-Butyl Ether (MTBE) | 35.9 | 4.0 | µg/L | 40.0 | ND | 89.8 | 70-130 | 1.66 | 30 | |
| Methyl Cyclohexane | 39.6 | 4.0 | µg/L | 40.0 | ND | 99.0 | 70-130 | 4.83 | 30 | |
| Methylene Chloride | 43.1 | 20 | µg/L | 40.0 | ND | 108 | 70-130 | 0.932 | 30 | |
| 4-Methyl-2-pentanone (MIBK) | 402 | 40 | µg/L | 400 | ND | 101 | 70-130 | 3.87 | 30 | |
| Styrene | 37.6 | 4.0 | µg/L | 40.0 | ND | 94.1 | 70-130 | 4.57 | 30 | |
| 1,1,2,2-Tetrachloroethane | 36.1 | 2.0 | µg/L | 40.0 | ND | 90.3 | 70-130 | 5.81 | 30 | |
| Tetrachloroethylene | 298 | 4.0 | µg/L | 40.0 | 256 | 104 | 70-130 | 0.350 | 30 | |
| Toluene | 41.1 | 4.0 | µg/L | 40.0 | ND | 103 | 70-130 | 3.35 | 30 | |
| 1,2,3-Trichlorobenzene | 30.7 | 20 | µg/L | 40.0 | ND | 76.8 | 70-130 | 0.130 | 30 | |
| 1,2,4-Trichlorobenzene | 32.1 | 4.0 | µg/L | 40.0 | ND | 80.2 | 70-130 | 4.87 | 30 | |
| 1,1,1-Trichloroethane | 39.8 | 4.0 | µg/L | 40.0 | ND | 99.4 | 70-130 | 1.79 | 30 | |
| 1,1,2-Trichloroethane | 40.8 | 4.0 | µg/L | 40.0 | ND | 102 | 70-130 | 0.393 | 30 | |
| Trichloroethylene | 90.8 | 4.0 | µg/L | 40.0 | 49.0 | 104 | 70-130 | 1.06 | 30 | |
| Trichlorofluoromethane (Freon 11) | 42.6 | 8.0 | µg/L | 40.0 | ND | 106 | 70-130 | 1.59 | 30 | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | 42.9 | 4.0 | µg/L | 40.0 | ND | 107 | 70-130 | 0.372 | 30 | |
| Vinyl Chloride | 43.6 | 8.0 | µg/L | 40.0 | ND | 109 | 70-130 | 0.458 | 30 | |
| m+p Xylene | 80.5 | 8.0 | µg/L | 80.0 | ND | 101 | 70-130 | 2.84 | 20 | |
| o-Xylene | 39.5 | 4.0 | µg/L | 40.0 | ND | 98.7 | 70-130 | 3.78 | 30 | |
| Xylenes (total) | 120 | 4.0 | µg/L | 120 | ND | 100 | 0-200 | 3.15 | | |
| Surrogate: 1,2-Dichloroethane-d4 | *24.4* | | µg/L | 25.0 | | 97.6 | 70-130 | | | |
| Surrogate: Toluene-d8 | *24.9* | | µg/L | 25.0 | | 99.6 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | *25.9* | | µg/L | 25.0 | | 104 | 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). |
| 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-19 | Sample to spike ratio is greater than or equal to 4:1. Spiked amount is not representative of the native amount in the sample. Appropriate or meaningful recoveries cannot be calculated. |
| RL-11 | Elevated reporting limit due to high concentration of target compounds. |
| V-05 | Continuing calibration verification (CCV) did not meet method specifications and was biased on the low 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. |

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**CERTIFICATIONS**

**Certified Analyses included in this Report**

| Analyte | Certifications |
|---|---|
| ***SW-846 8260D in Water*** | |
| 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 |
| 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 |
| 1,4-Dioxane | ME,NY |
| Ethylbenzene | CT,ME,NH,VA,NY |
| 2-Hexanone (MBK) | CT,ME,NH,VA,NY |
| Isopropylbenzene (Cumene) | ME,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 |
| 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 |
| 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 |

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**CERTIFICATIONS**

**Certified Analyses included in this Report**

| Analyte | Certifications |
|---|---|
| ***SW-846 8260D in Water*** | |
| Trichlorofluoromethane (Freon 11) | CT,ME,NH,VA,NY |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | VA,NY |
| Vinyl Chloride | 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-0165 | 12/31/2022 |
| NY | New York State Department of Health | 10899 NELAP | 04/1/2023 |
| NH | New Hampshire Environmental Lab | 2516 NELAP | 02/5/2023 |
| ME | State of Maine | MA00100 | 06/9/2023 |
| VA | Commonwealth of Virginia | 460217 | 12/14/2022 |

22K1604

# CHAIN OF CUSTODY

**Client: New York State Dept. of Environmental Conservation**

NYSDEC 250 Franklin Street - Offsite, Site #C915208A

PAGE OF

FED-EX Tracking # | Bottle Order Control #

Lab Quote # | Lab Job #

| CLIENT/REPORTING INFORMATION | PROJECT INFORMATION | BILLING INFORMATION |
|---|---|---|
| Groundwater & Environmental Services, Inc.<br>495 Aero Drive, Cheektowaga, NY 14225<br>**Project Manager:** Thomas Palmer **Phone #:** 800-287-7857<br>**Email:** tpalmer@gesonline.com **Fax #:** 866-902-2187 | **Project Name:** NYSDEC/Buffalo/NY/FranklinSt/275OFFSITE<br>**Project Address:** 250 Franklin St, Buffalo, NY<br>**Project PSID #:** 955921 | **NYSDEC Region 8**<br>**NYSDEC Project Manager:** Meghan Kucza<br>**Phone #:** 716-851-7200<br>**Invoice Instructions**<br>**NYSDEC Site No. C915208A**<br>**Lab Project Manager:** Kyle Stuckey |

Sampler(s) Name: | Sampler(s) Name:

| Lab Sample # | Field ID / Point of Collection (Sys_loc_code) | Depth Interval (ft) | Date Sampled | Time Sampled | Sampler | Matrix | Total # Bottles | number of preserved bottles: HCl | NaOH | HNO3 | H2SO4 | NONE | DI Water | Methanol | ENCORE | Amber | TCL VOCs via Method 8260 | MS/MSD | LAB USE ONLY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | MW-25S | NA | 11/9/22 | 1000 | JP | GW | 6 | x | | | | | | | | | X | X | |
| 2 | MW-26S | NA | 11/9/22 | 1135 | JP | GW | 2 | x | | | | | | | | | X | | |
| 3 | MW-27S | NA | 11/9/22 | 1300 | JP | GW | 2 | x | | | | | | | | | X | | |
| 4 | MW-23D | NA | 11/9/22 | 1445 | JP | GW | 2 | x | | | | | | | | | X | | |
| 5 | DUP | NA | 11/9/22 | 1135 | JP | GW | 2 | x | | | | | | | | | X | | |
| 6 | Trip Blank | NA | 11/9/22 | NA | NA | GW | 2 | x | | | | | | | | | X | | |
| | ~~MS/MSD~~ | ~~NA~~ | ~~11/9/22~~ | 1000 | JP | ~~GW~~ | 4 | x | | | | | | | | | ~~X~~ | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |

**Turnaround Time (Business Days)** **Approved By (Lab PM) / Date**

- [x] Standard ____/____
- [ ] 1 day RUSH ____/____
- [ ] Other 14 day TA ____/____

**Laboratory Information**

**Lab:** ConTest Pace Analytical
**Address:** 39 Spruce St. East Longmeadow, MA 01028
**Phone:** 413.525.2332 or 413.885.8837
**Lab PM:** Kyle Stuckey
**Lab PM Email:** Kyle.Stuckey@pacelabs.com

**Data Deliverable Information**

- [ ] Commercial 'A' (Level 1) = Results Only
- [ ] Commercial 'B" (Level 2) = Results + QC Summary
- [ ] FULLT1 (Level 3 & 4)
- [ ] NJ Reduced = Results + QC Summary + Partial Raw Data
- [ ] Commercial 'C'
- [ ] *NJ Data of Known Quality Protocol Reporting*
- [ ] NYASP Category A
- [x] NYASP Category B
- [ ] State Forms
- [x] EQEDD (for GES)
- [x] NYDEC EDD (for NYSDEC)

**Please Email the EQ EDD Package to ges@equisonline.com**

**EQEDD Name:** NYSDEC/Buffalo/NY/Franklin Street/250_LabReport#.EQEDD.zip

**Sample Custody must be documented below each time samples change possession, including courier.**

| Relinquished By Sampler: | Date / Time: | Received By: |
|---|---|---|
| 1 Jessica Paterson | 1 11/9/22 1700 | 1 FEDEX |
| Relinquished By : | Date / Time: | Received By: |
| 2 | 2 | 2 4.3 11/10 9:7 |
| inquished By : | Date / Time: | Received By: |
| 3 | 3 | 3 |

Custody Seal Number: [ ] Intact [ ] Not Intact [ ] Preserved where applicable [ ] On Ice Cooler Temp

FedEx® Tracking

**DELIVERED**

# Thursday

11/10/2022 at 9:07 am

Signed for by: R.PETRAITIS

Obtain Proof of delivery

**DELIVERY STATUS**

Delivered

**TRACKING ID**

791308967225

**FROM**
WILLIAMSVILLE, NY US

*Label Created*
11/1/2022 9:05 AM

**PACKAGE RECEIVED BY FEDEX**
CHEEKTOWAGA, NY
11/9/2022 4:58 PM

**IN TRANSIT**
WINDSOR LOCKS, CT
11/10/2022 7:59 AM

**OUT FOR DELIVERY**
WINDSOR LOCKS, CT
11/10/2022 8:08 AM

**DELIVERED**
East Longmeadow, MA US

*DELIVERED*
11/10/2022 at 9:07 AM

View travel history

Want updates on this shipment? Enter your email and we will do the rest!

**YOUR EMAIL**

**SUBMIT**

Manage Delivery

39 Spruce St.
East Longmeadow, MA. 01028
P: 413-525-2332
F: 413-525-6405
www.pacelabs.com

Pace PEOPLE ADVANCING SCIENCE

Doc# 277 Rev 6 July 2022

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

**Client** GES

**Received By** LR Date 11/10 Time 907

How were the samples received? In Cooler T No Cooler ____ On Ice T No Ice ____ Direct From Sample ____ Ambient ____ Melted Ice ____

Were samples within Tempurature? Within 2-6°C T By Gun # 3 Actual Temp - 4.3 By Blank # ____ Actual Temp - ____

Was Custody Seal In tact? NA Were Samples Tampered with? NA

Was COC Relinquished ? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T

Did COC include all pertinent Information? Client? T Analysis? T Sampler Name? F Project? T ID's? T Collection Dates/Times? T

Are Sample labels filled out and legible? T

Are there Lab to Filters? F Who was notified? ____

Are there Rushes? F Who was notified? ____

Are there Short Holds? F Who was notified? ____

Samples are received within holding time? T Is there enough Volume? T

Is there Headspace where applicable? F MS/MSD? T

Proper Media/Containers Used? T splitting samples require F

Were trip blanks receive T On COC? T

Do All Samples Have the proper pH? NA Acid ____ Base ____

| Vials | # | Containers: | # | | # | | # |
|---|---|---|---|---|---|---|---|
| Unp- | | 1 Liter Amb. | | 1 Liter Plastic | | 16 oz Amb. | |
| HCL- | 16 | 500 mL Amb. | | 500 mL Plastic | | 8oz Amb/Clear | |
| Meoh- | | 250 mL Amb. | | 250 mL Plastic | | 4oz Amb/Clear | |
| Bisulfate- | | Col./Bacteria | | Flashpoint | | 2oz Amb/Clear | |
| DI- | | Other Plastic | | Other Glass | | Encore | |
| Thiosulfate- | | SOC Kit | | Plastic Bag | | Frozen: | |
| Sulfuric- | | Perchlorate | | Ziplock | | | |

**Unused Media**

| Vials | # | Containers: | # | | # | | # |
|---|---|---|---|---|---|---|---|
| Unp- | | 1 Liter Amb. | | 1 Liter Plastic | | 16 oz Amb. | |
| HCL- | | 500 mL Amb. | | 500 mL Plastic | | 8oz Amb/Clear | |
| Meoh- | | 250 mL Amb. | | 250 mL Plastic | | 4oz Amb/Clear | |
| Bisulfate- | | Col./Bacteria | | Flashpoint | | 2oz Amb/Clear | |
| DI- | | Other Plastic | | Other Glass | | Encore | |
| Thiosulfate- | | SOC Kit | | Plastic Bag | | Frozen: | |
| Sulfuric- | | Perchlorate | | Ziplock | | | |

**Comments:**

VOA

# SAMPLE DATA

# 1 - FORM I
# ANALYSIS DATA SHEET

## MW-25S

| | | | | | |
|---|---|---|---|---|---|
| Laboratory: | Pace New England | | | Work Order: | 22K1604 |
| Client: | NYDEC_GES - Amherst, NY | | | Project: | 275 Franklin St, Buffalo - CO 144192 |
| Matrix: | Ground Water | Laboratory ID: | 22K1604-01 | File ID: | B22V31822.D |
| Sampled: | 11/09/22 10:00 | Prepared: | 11/14/22 07:02 | Analyzed: | 11/14/22 15:34 |
| Solids: | | Preparation: | SW-846 5030B | Dilution: | 4 |
| Initial/Final: | 5 mL / 5 mL | | | | |
| Batch: | B322925 | Sequence: | S079358 | Calibration: | 2200668 | Instrument: | GCMSVOA2 |

| CAS NO. | COMPOUND | CONC. (µg/L) | MDL | RL | Q |
|---|---|---|---|---|---|
| 67-64-1 | Acetone | | 8.1 | 200 | |
| 71-43-2 | Benzene | | 0.80 | 4.0 | |
| 74-97-5 | Bromochloromethane | | 1.2 | 4.0 | |
| 75-27-4 | Bromodichloromethane | | 0.72 | 2.0 | |
| 75-25-2 | Bromoform | | 1.5 | 4.0 | |
| 74-83-9 | Bromomethane | | 6.2 | 8.0 | V-05, MS-07A |
| 78-93-3 | 2-Butanone (MEK) | | 6.5 | 80 | |
| 75-15-0 | Carbon Disulfide | | 5.8 | 20 | |
| 56-23-5 | Carbon Tetrachloride | | 0.66 | 20 | |
| 108-90-7 | Chlorobenzene | | 0.42 | 4.0 | |
| 124-48-1 | Chlorodibromomethane | | 0.89 | 2.0 | |
| 75-00-3 | Chloroethane | | 1.3 | 8.0 | |
| 67-66-3 | Chloroform | 1.5 | 0.67 | 8.0 | J |
| 74-87-3 | Chloromethane | | 2.1 | 8.0 | |
| 110-82-7 | Cyclohexane | | 7.0 | 20 | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane (DBCP) | | 3.2 | 20 | V-05, MS-07A |
| 106-93-4 | 1,2-Dibromoethane (EDB) | | 0.68 | 2.0 | |
| 95-50-1 | 1,2-Dichlorobenzene | | 0.49 | 4.0 | |
| 541-73-1 | 1,3-Dichlorobenzene | | 0.47 | 4.0 | |
| 106-46-7 | 1,4-Dichlorobenzene | | 0.52 | 4.0 | |
| 75-71-8 | Dichlorodifluoromethane (Freon 12) | | 0.77 | 8.0 | |
| 75-34-3 | 1,1-Dichloroethane | | 0.57 | 4.0 | |
| 107-06-2 | 1,2-Dichloroethane | | 1.2 | 4.0 | |
| 75-35-4 | 1,1-Dichloroethylene | 0.68 | 0.57 | 4.0 | J |
| 156-59-2 | cis-1,2-Dichloroethylene | 380 | 0.59 | 4.0 | MS-19 |
| 156-60-5 | trans-1,2-Dichloroethylene | 2.9 | 0.67 | 4.0 | J |
| 78-87-5 | 1,2-Dichloropropane | | 0.72 | 4.0 | |
| 10061-01-5 | cis-1,3-Dichloropropene | | 0.63 | 2.0 | |
| 10061-02-6 | trans-1,3-Dichloropropene | | 0.67 | 2.0 | |
| 123-91-1 | 1,4-Dioxane | | 82 | 200 | |

# 1 - FORM I
# ANALYSIS DATA SHEET

## MW-25S

| | | | | | |
|---|---|---|---|---|---|
| Laboratory: | Pace New England | | | Work Order: | 22K1604 |
| Client: | NYDEC_GES - Amherst, NY | | | Project: | 275 Franklin St, Buffalo - CO 144192 |
| Matrix: | Ground Water | Laboratory ID: | 22K1604-01 | File ID: | B22V31822.D |
| Sampled: | 11/09/22 10:00 | Prepared: | 11/14/22 07:02 | Analyzed: | 11/14/22 15:34 |
| Solids: | | Preparation: | SW-846 5030B | Dilution: | 4 |
| Initial/Final: | 5 mL / 5 mL | | | | |
| Batch: | B322925 | Sequence: | S079358 | Calibration: | 2200668 | Instrument: | GCMSVOA2 |

| CAS NO. | COMPOUND | CONC. (µg/L) | MDL | RL | Q |
|---|---|---|---|---|---|
| 100-41-4 | Ethylbenzene | | 0.86 | 4.0 | |
| 591-78-6 | 2-Hexanone (MBK) | | 4.5 | 40 | |
| 98-82-8 | Isopropylbenzene (Cumene) | | 0.43 | 4.0 | |
| 79-20-9 | Methyl Acetate | | 1.8 | 4.0 | |
| 1634-04-4 | Methyl tert-Butyl Ether (MTBE) | | 0.69 | 4.0 | |
| 108-87-2 | Methyl Cyclohexane | | 0.98 | 4.0 | |
| 75-09-2 | Methylene Chloride | | 0.94 | 20 | |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | | 5.1 | 40 | |
| 100-42-5 | Styrene | | 0.42 | 4.0 | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | | 0.51 | 2.0 | |
| 127-18-4 | Tetrachloroethylene | 260 | 0.75 | 4.0 | |
| 108-88-3 | Toluene | | 0.90 | 4.0 | |
| 87-61-6 | 1,2,3-Trichlorobenzene | | 1.2 | 20 | |
| 120-82-1 | 1,2,4-Trichlorobenzene | | 0.99 | 4.0 | |
| 71-55-6 | 1,1,1-Trichloroethane | | 0.68 | 4.0 | |
| 79-00-5 | 1,1,2-Trichloroethane | | 0.73 | 4.0 | |
| 79-01-6 | Trichloroethylene | 49 | 0.76 | 4.0 | |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | | 0.70 | 8.0 | |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1 | | 0.91 | 4.0 | |
| 75-01-4 | Vinyl Chloride | | 0.83 | 8.0 | |
| 1330-20-7 | Xylenes (total) | | 4.0 | 4.0 | |

Data Path : \\Voa2\MSDChem\1\DATA\B111422\
Data File : B22V31822.D
Acq On : 14 Nov 2022 3:34 pm
Operator :
Sample : 22K1604-01 @ 4X Inst : GCMSVOA2
Misc : 4
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Nov 15 07:34:25 2022
Quant Method : C:\MSDCHEM\1\METHODS\B092322W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Mon Oct 03 14:02:43 2022
Response via : Initial Calibration

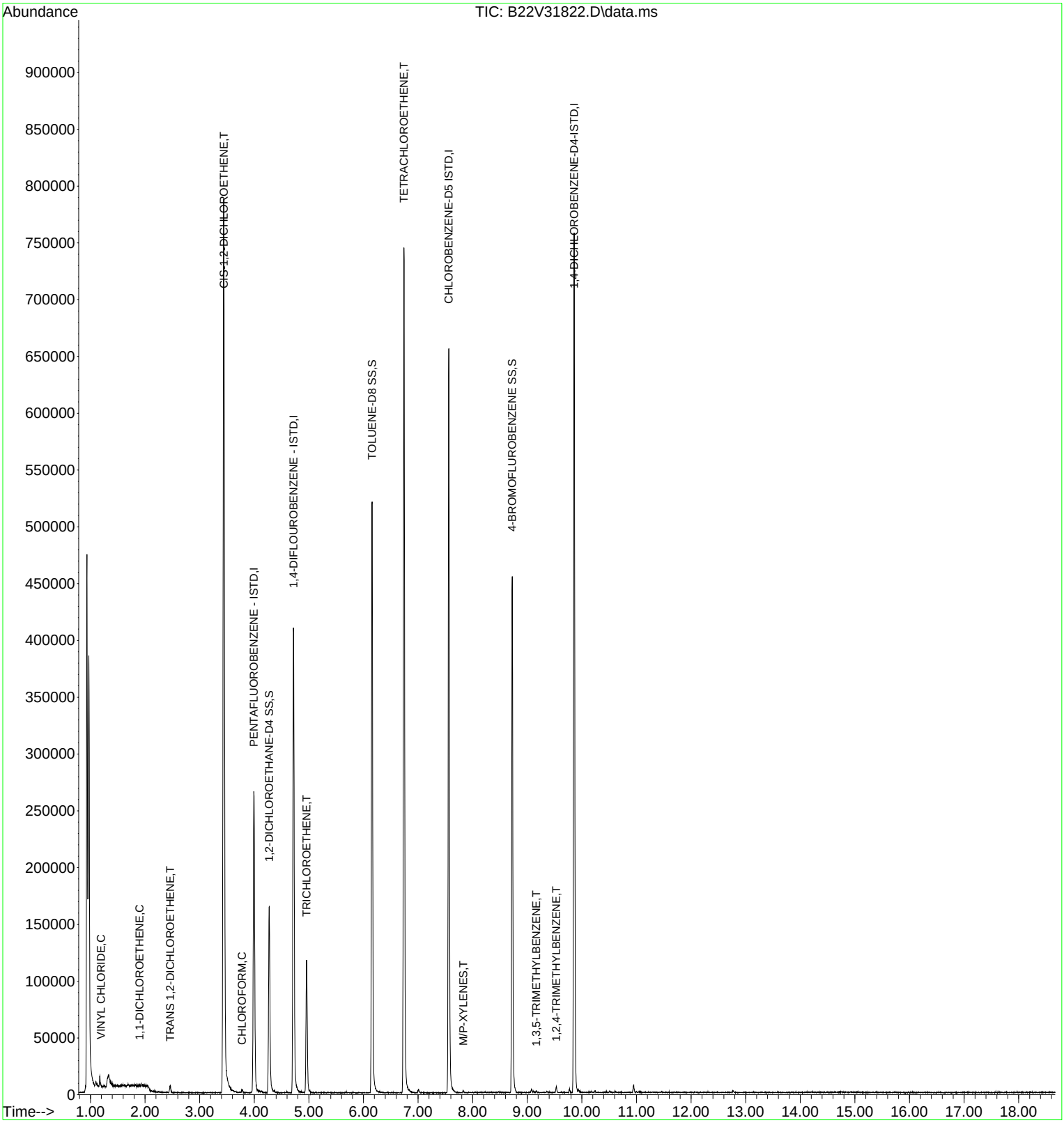
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) PENTAFLUOROBENZENE - ISTD | 3.993 | 168 | 177491 | 30.00 | UG/L | 0.00 |
| 44) 1,4-DIFLOUROBENZENE - ... | 4.721 | 114 | 265116 | 30.00 | UG/L | 0.00 |
| 65) CHLOROBENZENE-D5 ISTD | 7.563 | 82 | 145790 | 30.00 | UG/L | 0.00 |
| 84) 1,4-DICHLOROBENZENE-D4... | 9.859 | 152 | 172324 | 30.00 | UG/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 2) 1,2-DICHLOROETHANE-D4 SS | 4.274 | 65 | 98833 | 24.11 | UG/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 96.44% | | | |
| 45) TOLUENE-D8 SS | 6.156 | 98 | 268136 | 24.51 | UG/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 98.04% | | | |
| 66) 4-BROMOFLUROBENZENE SS | 8.725 | 95 | 117187 | 25.07 | UG/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 100.28% | | | |
| Target Compounds | | | | | | Qvalue |
| 6) VINYL CHLORIDE | 1.191 | 62 | 719 | 0.18 | UG/L # | 43 |
| 15) 1,1-DICHLOROETHENE | 1.899 | 61 | 850 | 0.17 | UG/L # | 35 |
| 24) TRANS 1,2-DICHLOROETHENE | 2.461 | 61 | 3460 | 0.73 | UG/L | 92 |
| 30) CIS-1,2-DICHLOROETHENE | 3.442 | 61 | 508541 | 94.77 | UG/L | 99 |
| 36) CHLOROFORM | 3.777 | 83 | 1742 | 0.37 | UG/L | 91 |
| 47) TRICHLOROETHENE | 4.957 | 95 | 31378 | 12.25 | UG/L | 97 |
| 61) TETRACHLOROETHENE | 6.741 | 164 | 148734 | 64.06 | UG/L | 95 |
| 70) M/P-XYLENES | 7.830 | 91 | 1170 | 0.12 | UG/L | 98 |
| 82) 1,3,5-TRIMETHYLBENZENE | 9.165 | 105 | 981 | 0.09 | UG/L # | 29 |
| 86) 1,2,4-TRIMETHYLBENZENE | 9.532 | 105 | 2816 | 0.24 | UG/L | 95 |

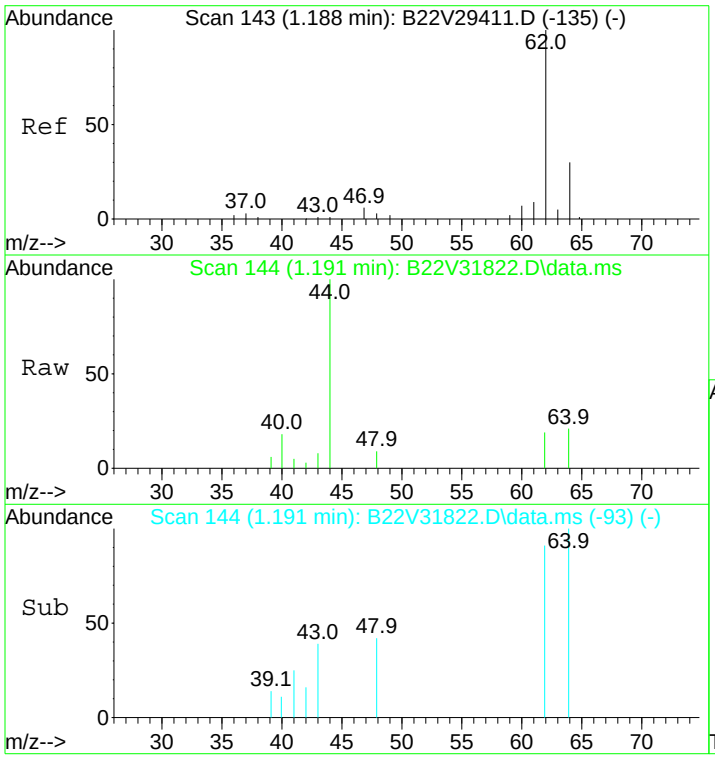
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\Voa2\MSDChem\1\DATA\B111422\
Data File : B22V31822.D
Acq On : 14 Nov 2022 3:34 pm
Operator :
Sample : 22K1604-01 @ 4X Inst : GCMSVOA2
Misc : 4
ALS Vial : 22 Sample Multiplier: 1



Quant Time: Nov 15 07:34:25 2022
Quant Method : C:\MSDCHEM\1\METHODS\B092322W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Mon Oct 03 14:02:43 2022
Response via : Initial Calibration

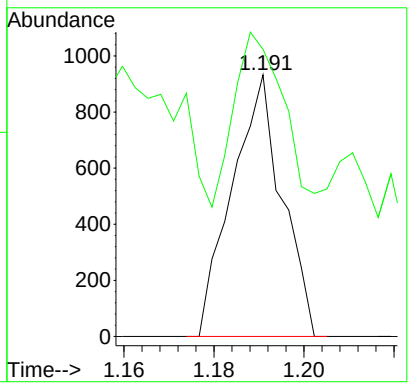


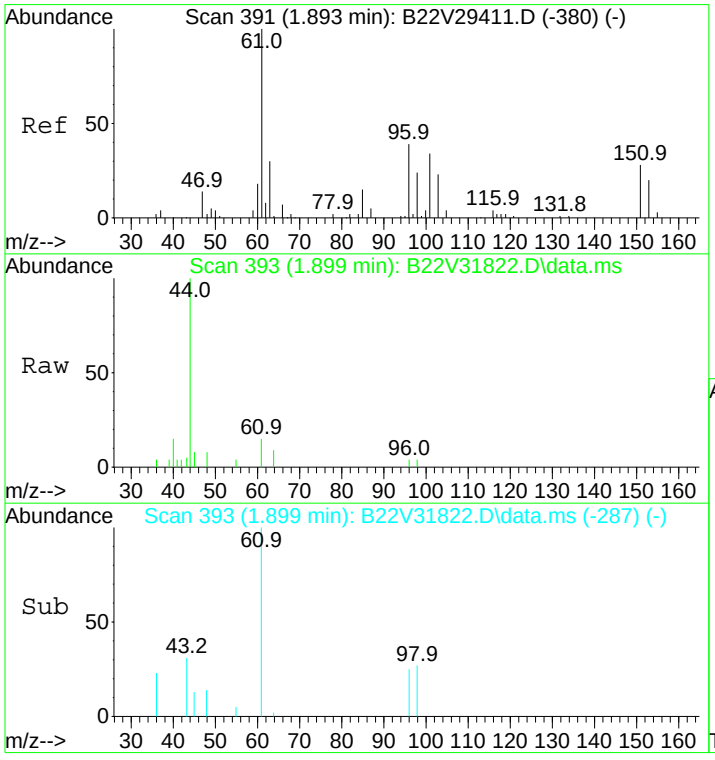



#6
VINYL CHLORIDE
Concen: 0.18 UG/L
RT: 1.191 min Scan# 144
Delta R.T. 0.002 min
Lab File: B22V31822.D
Acq: 14 Nov 2022 3:34 pm

Tgt Ion: 62 Resp: 719

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 0.0 | 25.3 | 37.9# |

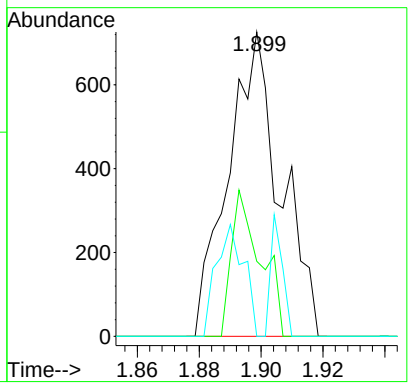


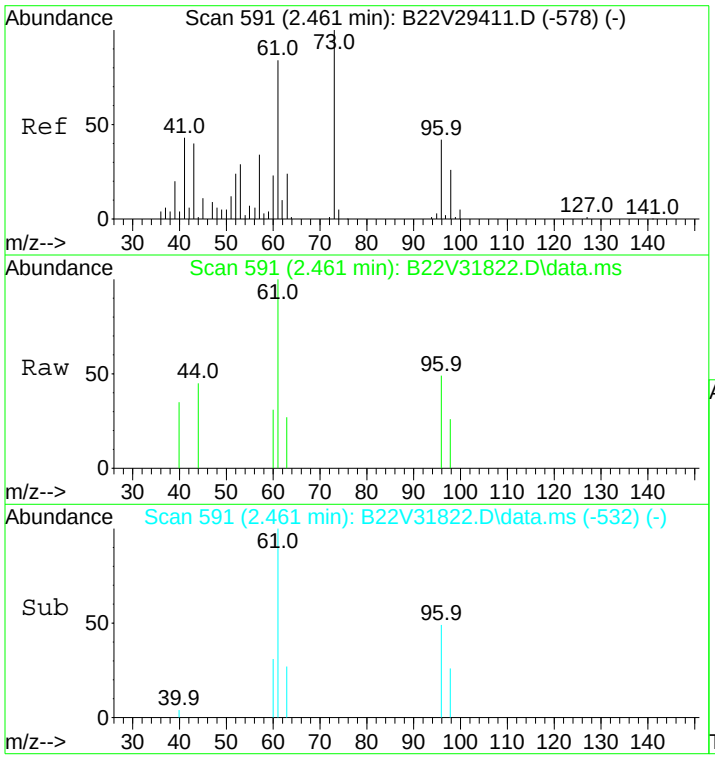




#15
1,1-DICHLOROETHENE
Concen: 0.17 UG/L
RT: 1.899 min Scan# 393
Delta R.T. 0.002 min
Lab File: B22V31822.D
Acq: 14 Nov 2022 3:34 pm

Tgt Ion: 61 Resp: 850

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 61 | 100 | | |
| 96 | 0.0 | 37.8 | 56.6# |
| 63 | 0.0 | 24.5 | 36.7# |

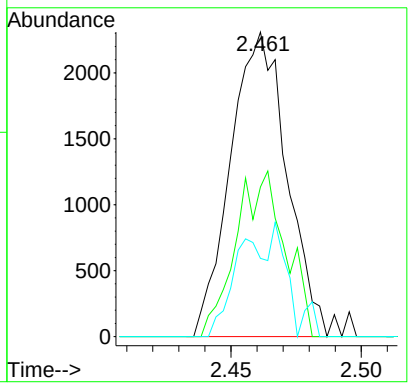


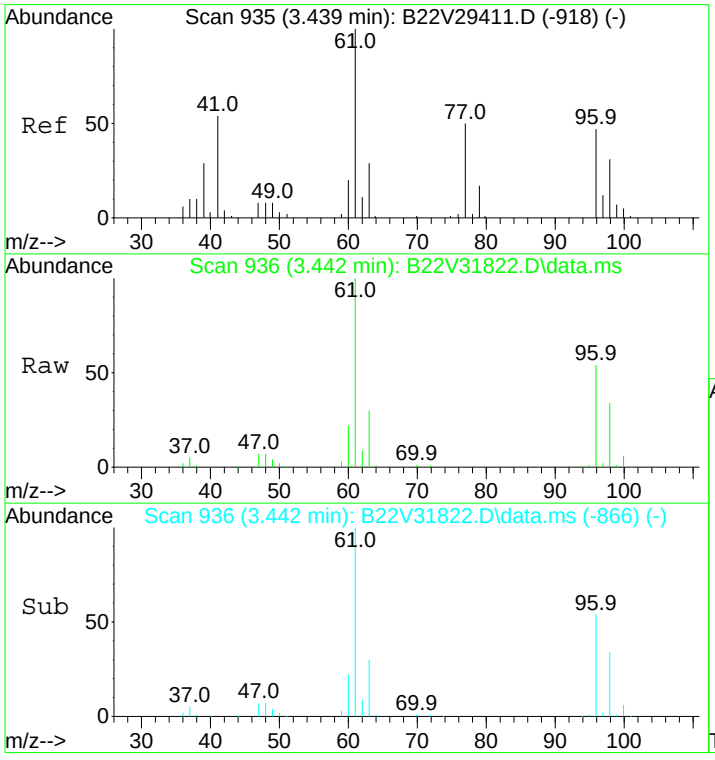



#24
TRANS 1,2-DICHLOROETHENE
Concen: 0.73 UG/L
RT: 2.461 min Scan# 591
Delta R.T. 0.001 min
Lab File: B22V31822.D
Acq: 14 Nov 2022 3:34 pm

Tgt Ion: 61 Resp: 3460

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 61 | 100 | | |
| 96 | 47.5 | 44.2 | 66.4 |
| 98 | 31.4 | 27.2 | 40.8 |

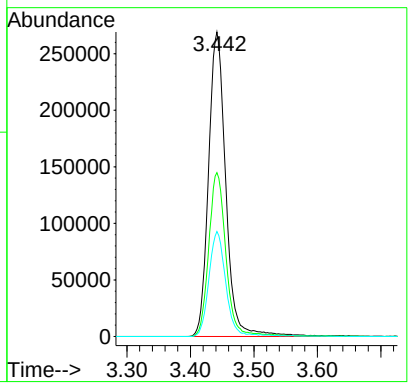


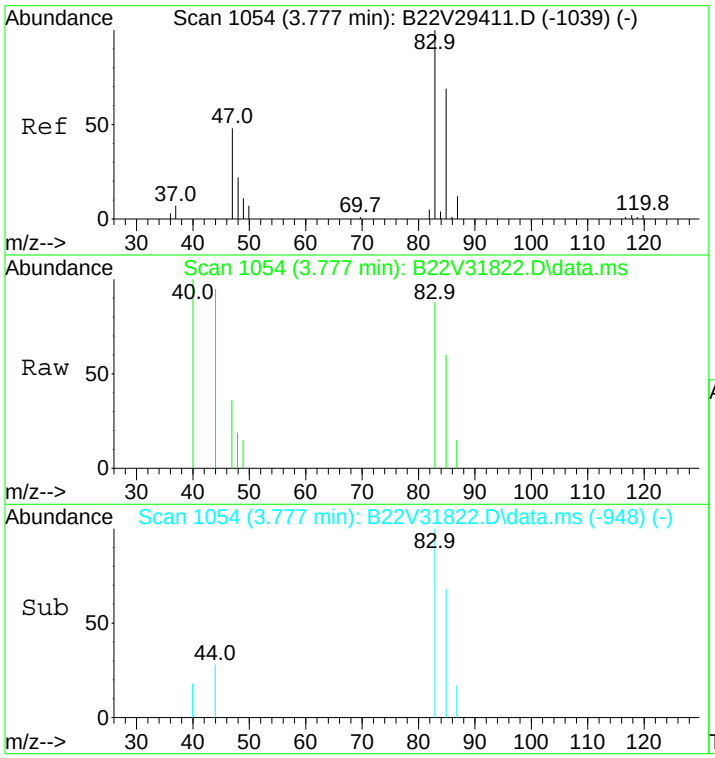




#30
CIS-1,2-DICHLOROETHENE
Concen: 94.77 UG/L
RT: 3.442 min Scan# 936
Delta R.T. -0.001 min
Lab File: B22V31822.D
Acq: 14 Nov 2022 3:34 pm

Tgt Ion: 61 Resp: 508541

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 61 | 100 | | |
| 96 | 53.8 | 42.8 | 64.2 |
| 98 | 33.9 | 27.4 | 41.2 |

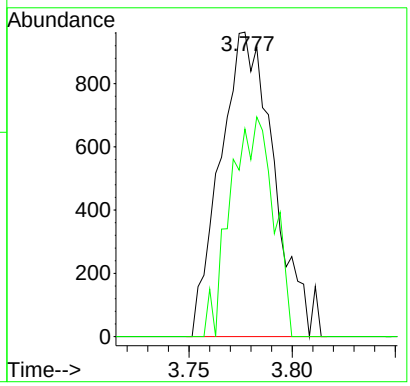


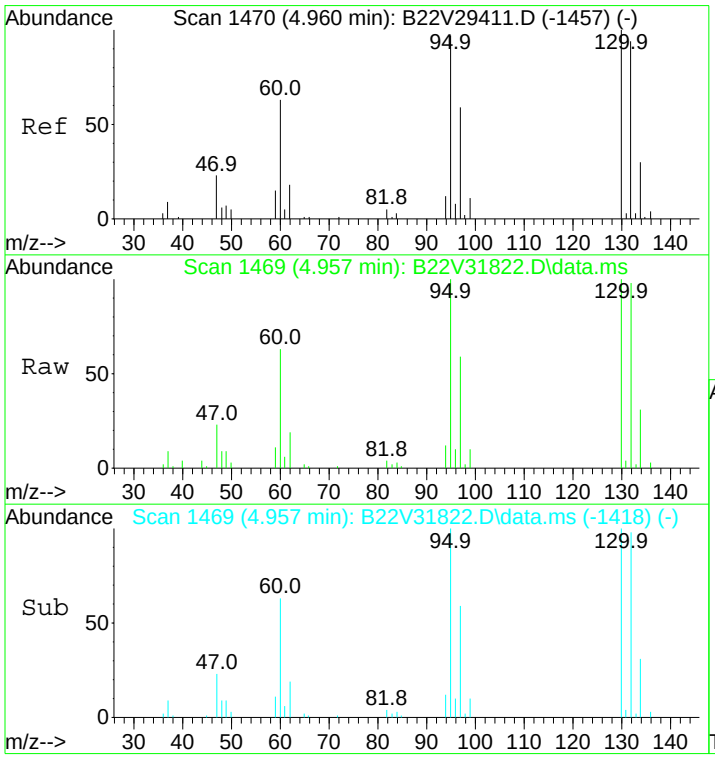



#36
CHLOROFORM
Concen: 0.37 UG/L
RT: 3.777 min Scan# 1054
Delta R.T. 0.002 min
Lab File: B22V31822.D
Acq: 14 Nov 2022 3:34 pm

Tgt Ion: 83 Resp: 1742

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 57.9 | 51.8 | 77.8 |

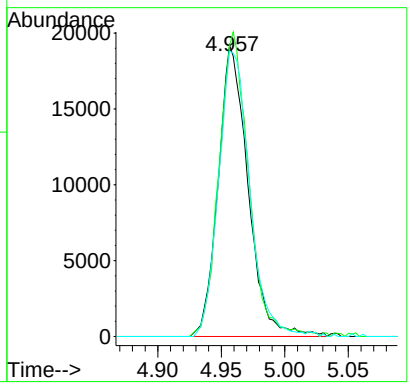


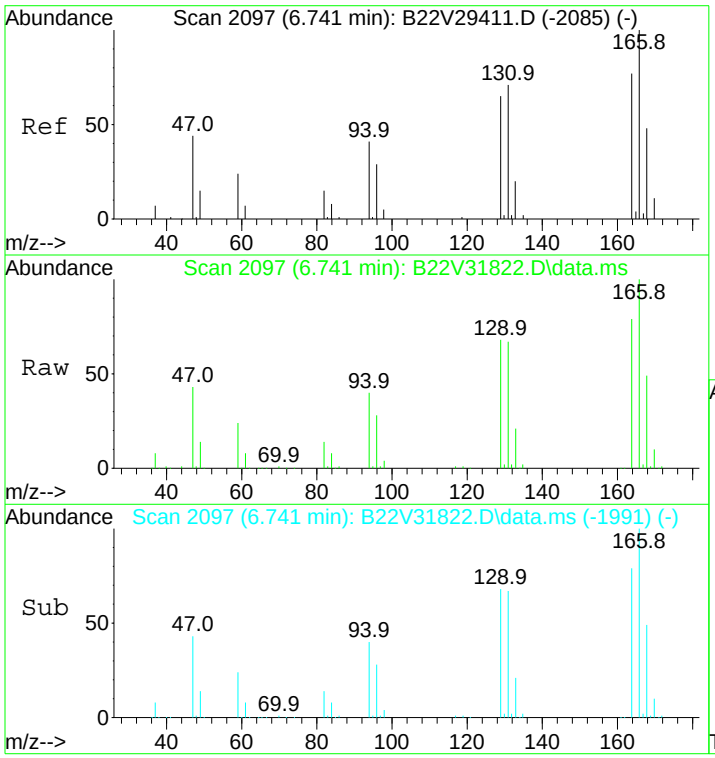




#47
TRICHLOROETHENE
Concen: 12.25 UG/L
RT: 4.957 min Scan# 1469
Delta R.T. -0.004 min
Lab File: B22V31822.D
Acq: 14 Nov 2022 3:34 pm

Tgt Ion: 95 Resp: 31378

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 130 | 104.2 | 79.3 | 118.9 |
| 132 | 101.6 | 80.6 | 121.0 |

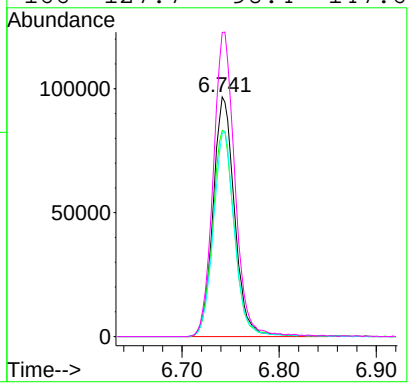


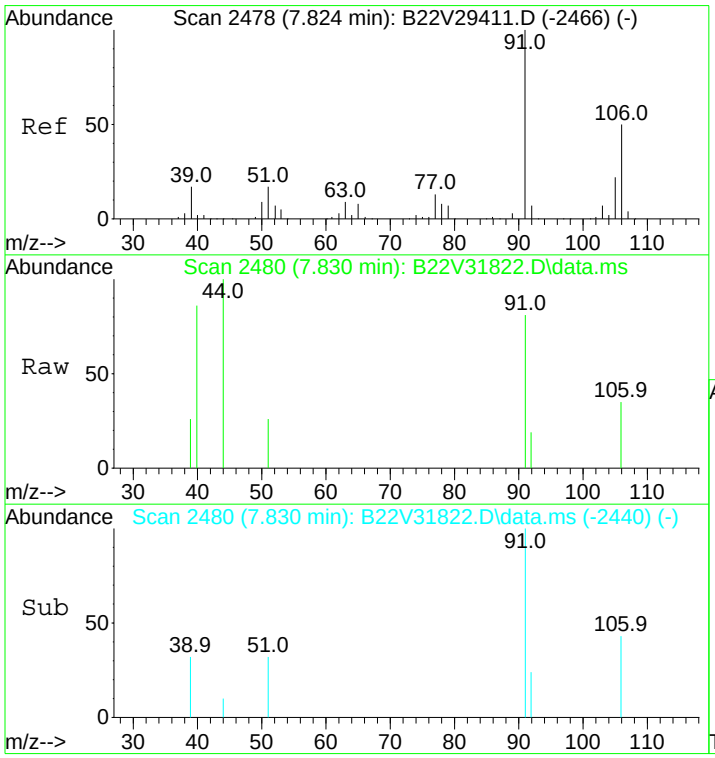



#61
TETRACHLOROETHENE
Concen: 64.06 UG/L
RT: 6.741 min Scan# 2097
Delta R.T. 0.001 min
Lab File: B22V31822.D
Acq: 14 Nov 2022 3:34 pm

Tgt Ion:164 Resp: 148734

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 129 | 86.6 | 72.9 | 109.3 |
| 131 | 84.6 | 71.8 | 107.6 |
| 166 | 127.7 | 98.4 | 147.6 |

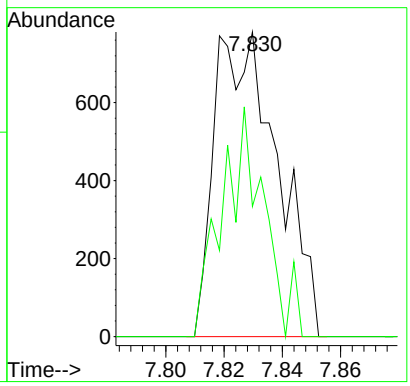


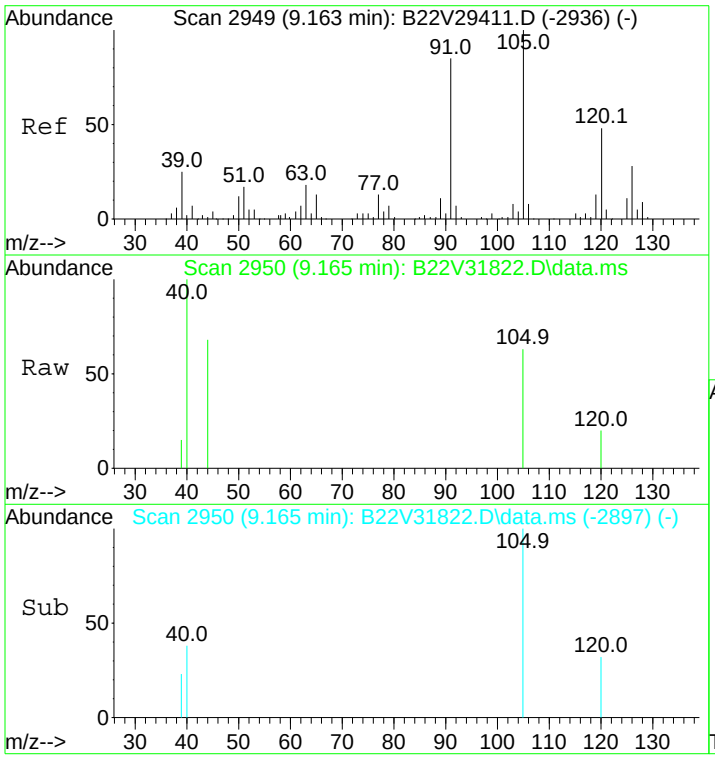




#70
M/P-XYLENES
Concen: 0.12 UG/L
RT: 7.830 min Scan# 2480
Delta R.T. 0.005 min
Lab File: B22V31822.D
Acq: 14 Nov 2022 3:34 pm

Tgt Ion: 91 Resp: 1170

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 47.6 | 39.0 | 58.4 |

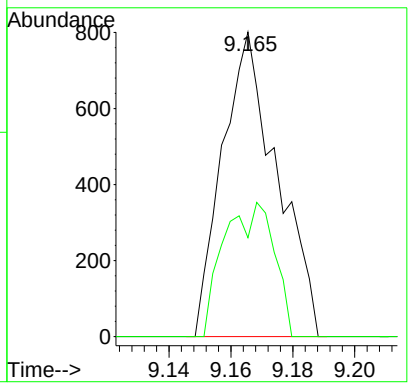


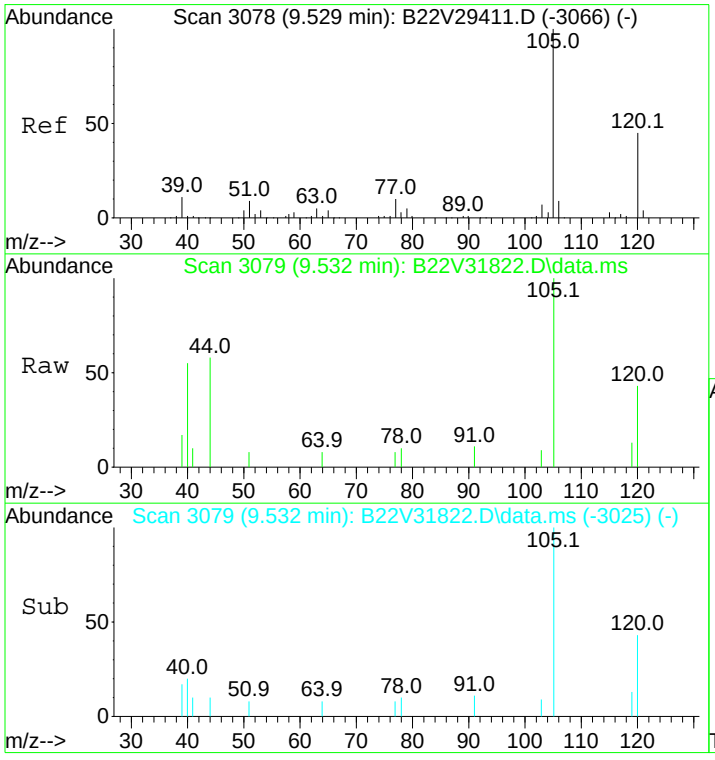



#82
1,3,5-TRIMETHYLBENZENE
Concen: 0.09 UG/L
RT: 9.165 min Scan# 2950
Delta R.T. 0.001 min
Lab File: B22V31822.D
Acq: 14 Nov 2022 3:34 pm

Tgt Ion:105 Resp: 981

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 0.0 | 38.6 | 58.0# |

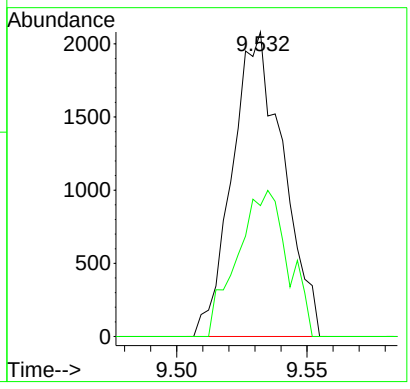



#86
1,2,4-TRIMETHYLBENZENE
Concen: 0.24 UG/L
RT: 9.532 min Scan# 3079
Delta R.T. 0.002 min
Lab File: B22V31822.D
Acq: 14 Nov 2022 3:34 pm

Tgt Ion:105 Resp: 2816

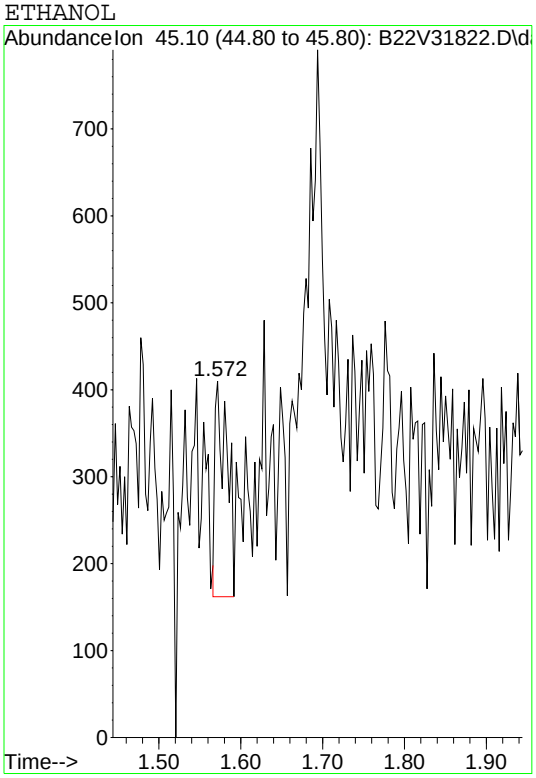
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 47.7 | 35.8 | 53.6 |



Data Path : \\Voa2\MSDChem\1\DATA\B111422\
Data File : B22V31822.D
Acq On : 14 Nov 2022 3:34 pm
Operator :
Sample : 22K1604-01 @ 4X
Misc : 4

Quant Time : Tue Nov 15 07:34:25 2022
Quant Method : C:\MSDCHEM\1\METHODS\B092322W.M
QLast Update : Mon Oct 03 14:02:43 2022

Original Integration
ETHANOL




Original Int. Results
---

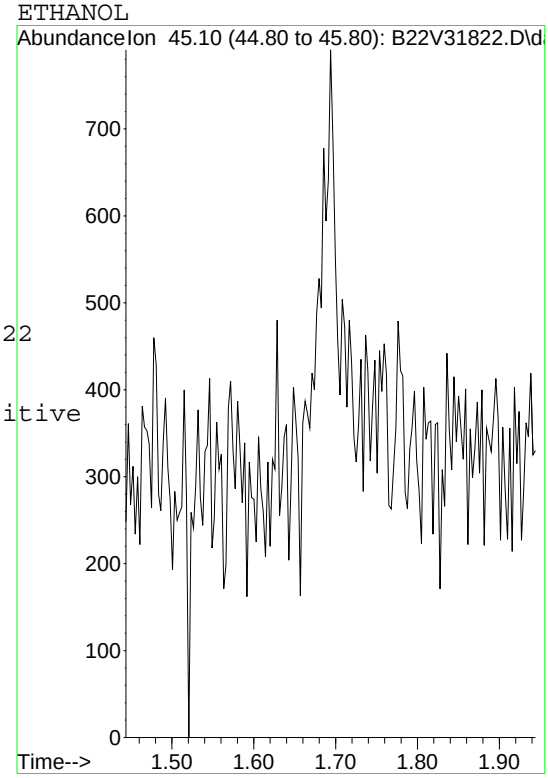
RT : 1.57
Area : 246
Amount: 3.28474

Manual Int. Results
---

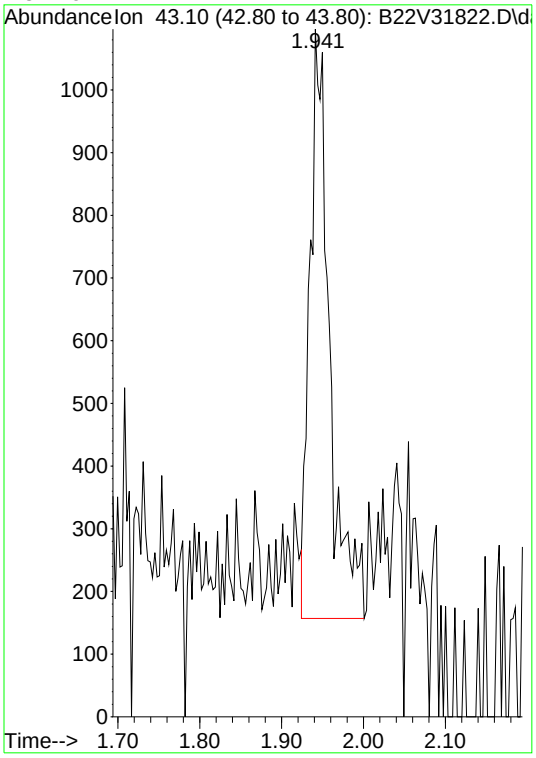
Tue Nov 15 07:33:43 2022

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

Manual Integration
ETHANOL




Original Integration
ACETONE




Original Int. Results
---

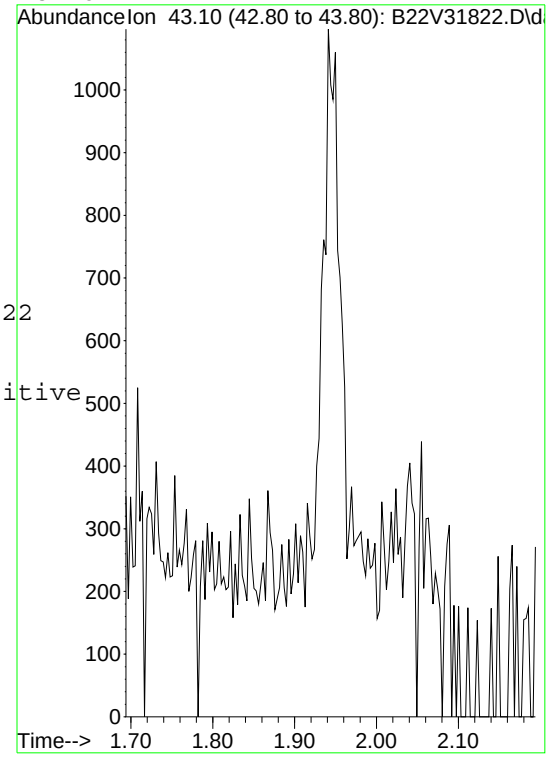
RT : 1.94
Area : 1579
Amount: 1.11768

Manual Int. Results
---

Tue Nov 15 07:33:48 2022

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

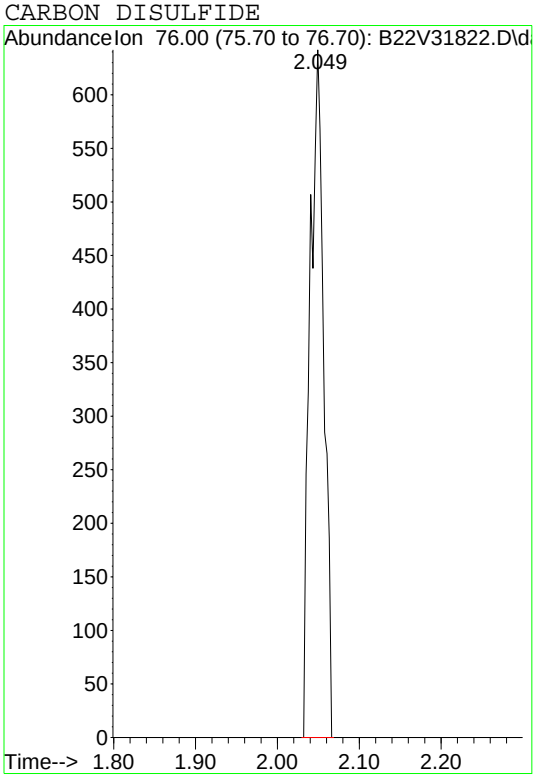
Manual Integration
ACETONE



Data Path : \\Voa2\MSDChem\1\DATA\B111422\
Data File : B22V31822.D
Acq On : 14 Nov 2022 3:34 pm
Operator :
Sample : 22K1604-01 @ 4X
Misc : 4

Quant Time : Tue Nov 15 07:34:25 2022
Quant Method : C:\MSDCHEM\1\METHODS\B092322W.M
QLast Update : Mon Oct 03 14:02:43 2022

Original Integration
CARBON DISULFIDE




Original Int. Results
---

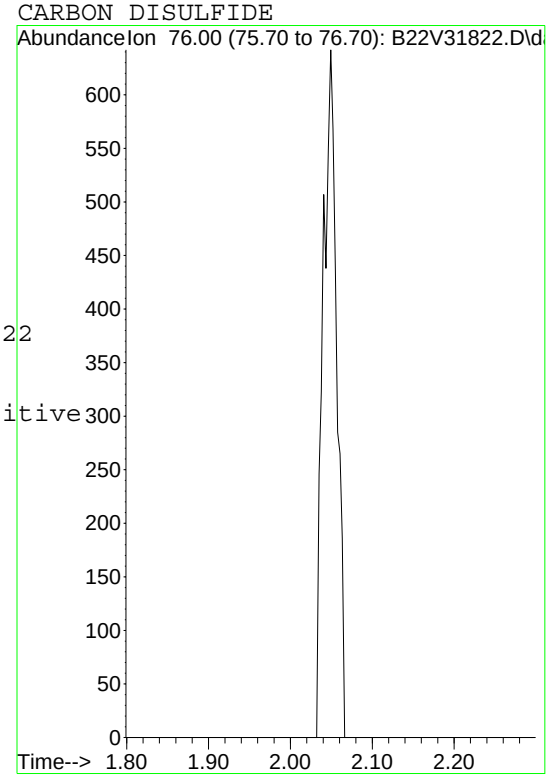
RT : 2.05
Area : 758
Amount: 0.10879

Manual Int. Results
---

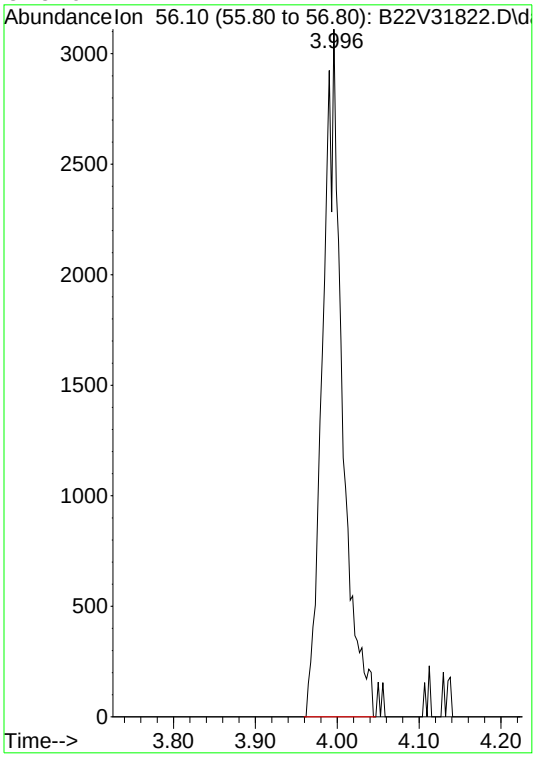
Tue Nov 15 07:33:56 2022

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

Manual Integration
CARBON DISULFIDE




Original Integration
CYCLOHEXANE




Original Int. Results
---

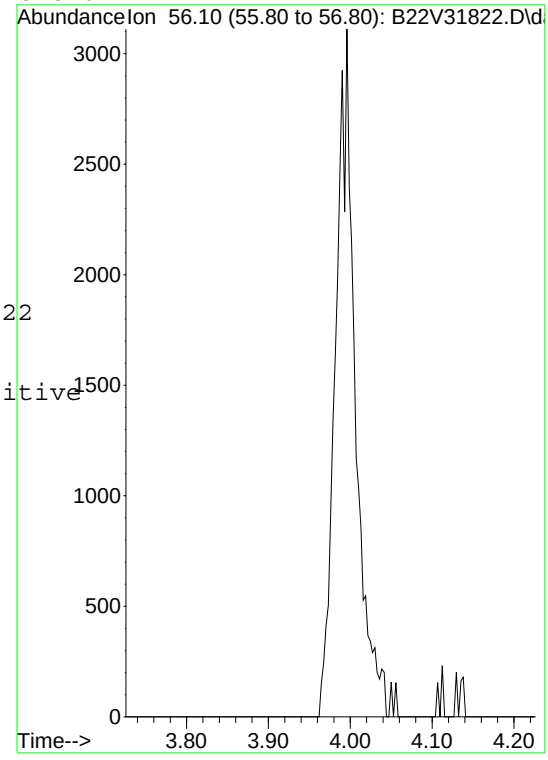
RT : 4.00
Area : 5197
Amount: 0.616302

Manual Int. Results
---

Tue Nov 15 07:34:10 2022

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

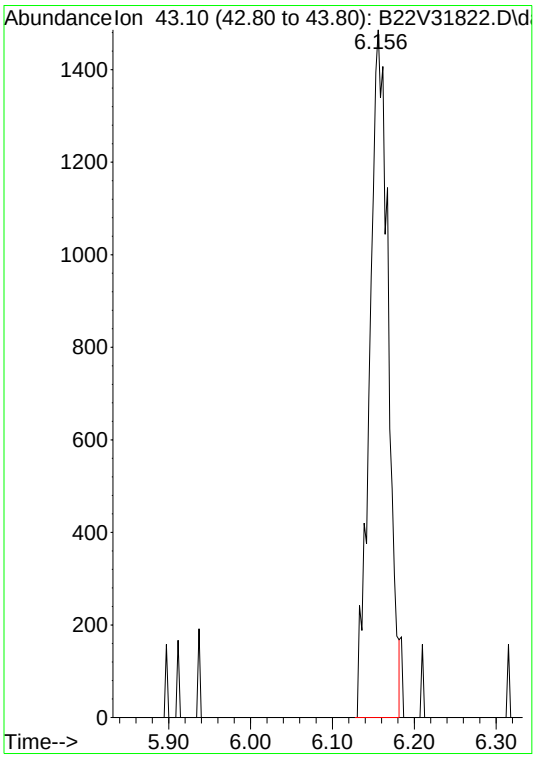
Manual Integration
CYCLOHEXANE



Data Path : \\Voa2\MSDChem\1\DATA\B111422\
Data File : B22V31822.D
Acq On : 14 Nov 2022 3:34 pm
Operator :
Sample : 22K1604-01 @ 4X
Misc : 4

Quant Time : Tue Nov 15 07:34:25 2022
Quant Method : C:\MSDCHEM\1\METHODS\B092322W.M
QLast Update : Mon Oct 03 14:02:43 2022

Original Integration
MIBK




Original Int. Results
---

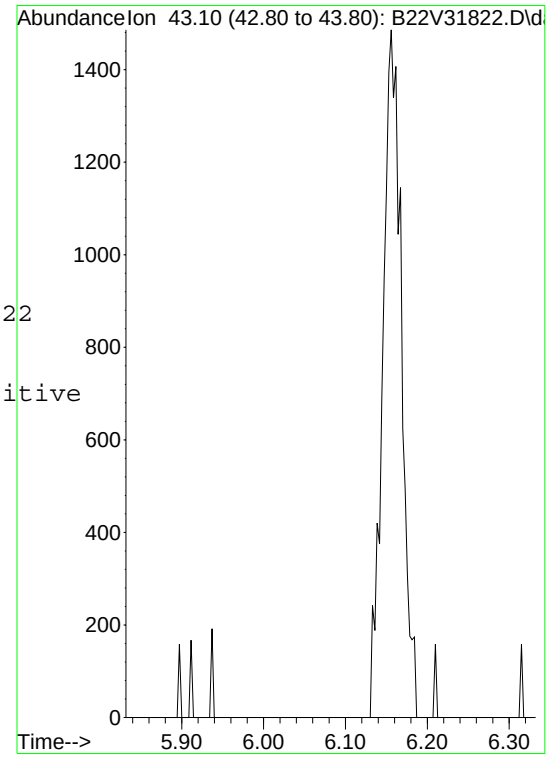
RT : 6.16
Area : 2316
Amount: 0.483766

Manual Int. Results
---

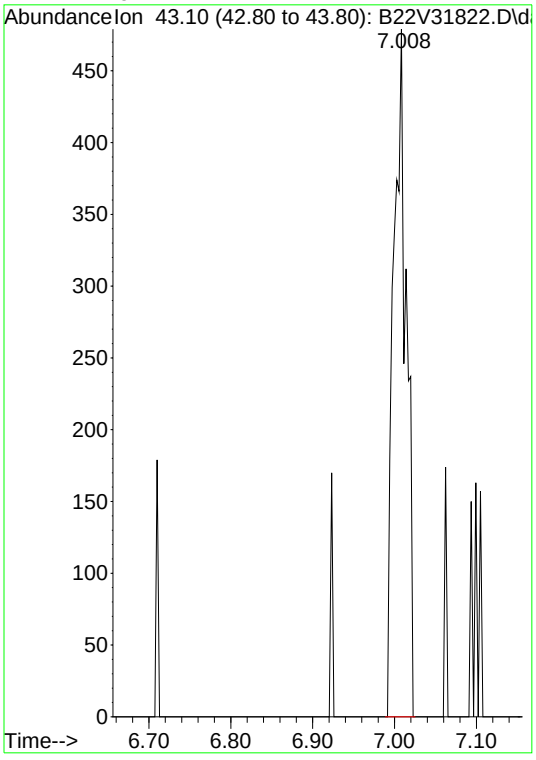
Tue Nov 15 07:34:16 2022

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

Manual Integration
MIBK




Original Integration
2-HEXANONE




Original Int. Results
---

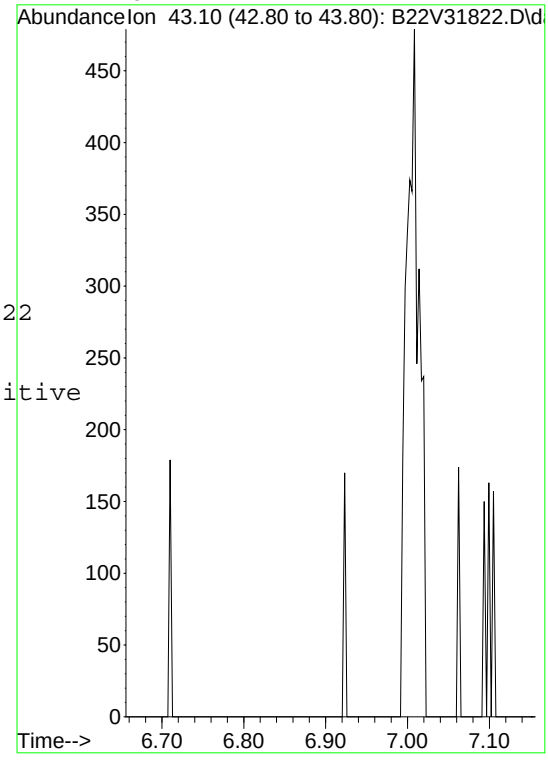
RT : 7.01
Area : 522
Amount: 0.145986

Manual Int. Results
---

Tue Nov 15 07:34:24 2022

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

Manual Integration
2-HEXANONE



# 1 - FORM I
# ANALYSIS DATA SHEET

## MW-26S

| | | | | | |
|---|---|---|---|---|---|
| Laboratory: | Pace New England | | | Work Order: | 22K1604 |
| Client: | NYDEC_GES - Amherst, NY | | | Project: | 275 Franklin St, Buffalo - CO 144192 |
| Matrix: | Ground Water | Laboratory ID: | 22K1604-02 | File ID: | B22V31823.D |
| Sampled: | 11/09/22 11:35 | Prepared: | 11/14/22 07:02 | Analyzed: | 11/14/22 16:00 |
| Solids: | | Preparation: | SW-846 5030B | Dilution: | 10 |
| Initial/Final: | 5 mL / 5 mL | | | | |
| Batch: | B322925 | Sequence: | S079358 | Calibration: | 2200668 | Instrument: | GCMSVOA2 |

| CAS NO. | COMPOUND | CONC. (µg/L) | MDL | RL | Q |
|---|---|---|---|---|---|
| 67-64-1 | Acetone | | 20 | 500 | |
| 71-43-2 | Benzene | | 2.0 | 10 | |
| 74-97-5 | Bromochloromethane | | 3.1 | 10 | |
| 75-27-4 | Bromodichloromethane | | 1.8 | 5.0 | |
| 75-25-2 | Bromoform | | 3.8 | 10 | |
| 74-83-9 | Bromomethane | | 15 | 20 | V-05 |
| 78-93-3 | 2-Butanone (MEK) | | 16 | 200 | |
| 75-15-0 | Carbon Disulfide | | 14 | 50 | |
| 56-23-5 | Carbon Tetrachloride | | 1.6 | 50 | |
| 108-90-7 | Chlorobenzene | | 1.1 | 10 | |
| 124-48-1 | Chlorodibromomethane | | 2.2 | 5.0 | |
| 75-00-3 | Chloroethane | | 3.2 | 20 | |
| 67-66-3 | Chloroform | | 1.7 | 20 | |
| 74-87-3 | Chloromethane | | 5.2 | 20 | |
| 110-82-7 | Cyclohexane | | 18 | 50 | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane (DBCP) | | 8.0 | 50 | V-05 |
| 106-93-4 | 1,2-Dibromoethane (EDB) | | 1.7 | 5.0 | |
| 95-50-1 | 1,2-Dichlorobenzene | | 1.2 | 10 | |
| 541-73-1 | 1,3-Dichlorobenzene | | 1.2 | 10 | |
| 106-46-7 | 1,4-Dichlorobenzene | | 1.3 | 10 | |
| 75-71-8 | Dichlorodifluoromethane (Freon 12) | | 1.9 | 20 | |
| 75-34-3 | 1,1-Dichloroethane | | 1.4 | 10 | |
| 107-06-2 | 1,2-Dichloroethane | | 3.1 | 10 | |
| 75-35-4 | 1,1-Dichloroethylene | | 1.4 | 10 | |
| 156-59-2 | cis-1,2-Dichloroethylene | 13 | 1.5 | 10 | |
| 156-60-5 | trans-1,2-Dichloroethylene | | 1.7 | 10 | |
| 78-87-5 | 1,2-Dichloropropane | | 1.8 | 10 | |
| 10061-01-5 | cis-1,3-Dichloropropene | | 1.6 | 5.0 | |
| 10061-02-6 | trans-1,3-Dichloropropene | | 1.7 | 5.0 | |
| 123-91-1 | 1,4-Dioxane | | 210 | 500 | |

# 1 - FORM I
# ANALYSIS DATA SHEET

## MW-26S

| | | | | | |
|---|---|---|---|---|---|
| Laboratory: | Pace New England | | | Work Order: | 22K1604 |
| Client: | NYDEC_GES - Amherst, NY | | | Project: | 275 Franklin St, Buffalo - CO 144192 |
| Matrix: | Ground Water | Laboratory ID: | 22K1604-02 | File ID: | B22V31823.D |
| Sampled: | 11/09/22 11:35 | Prepared: | 11/14/22 07:02 | Analyzed: | 11/14/22 16:00 |
| Solids: | | Preparation: | SW-846 5030B | Dilution: | 10 |
| Initial/Final: | 5 mL / 5 mL | | | | |
| Batch: | B322925 | Sequence: | S079358 | Calibration: | 2200668 | Instrument: | GCMSVOA2 |

| CAS NO. | COMPOUND | CONC. (µg/L) | MDL | RL | Q |
|---|---|---|---|---|---|
| 100-41-4 | Ethylbenzene | | 2.1 | 10 | |
| 591-78-6 | 2-Hexanone (MBK) | | 11 | 100 | |
| 98-82-8 | Isopropylbenzene (Cumene) | | 1.1 | 10 | |
| 79-20-9 | Methyl Acetate | | 4.5 | 10 | |
| 1634-04-4 | Methyl tert-Butyl Ether (MTBE) | | 1.7 | 10 | |
| 108-87-2 | Methyl Cyclohexane | | 2.4 | 10 | |
| 75-09-2 | Methylene Chloride | | 2.3 | 50 | |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | | 13 | 100 | |
| 100-42-5 | Styrene | | 1.1 | 10 | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | | 1.3 | 5.0 | |
| 127-18-4 | Tetrachloroethylene | 600 | 1.9 | 10 | |
| 108-88-3 | Toluene | | 2.2 | 10 | |
| 87-61-6 | 1,2,3-Trichlorobenzene | | 3.0 | 50 | |
| 120-82-1 | 1,2,4-Trichlorobenzene | | 2.5 | 10 | |
| 71-55-6 | 1,1,1-Trichloroethane | | 1.7 | 10 | |
| 79-00-5 | 1,1,2-Trichloroethane | | 1.8 | 10 | |
| 79-01-6 | Trichloroethylene | 10 | 1.9 | 10 | |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | | 1.8 | 20 | |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1 | | 2.3 | 10 | |
| 75-01-4 | Vinyl Chloride | | 2.1 | 20 | |
| 1330-20-7 | Xylenes (total) | | 10 | 10 | |

Quantitation Report (QT Reviewed)



Data Path : \\Voa2\MSDChem\1\DATA\B111422\
Data File : B22V31823.D
Acq On : 14 Nov 2022 4:00 pm
Operator :
Sample : 22K1604-02 @ 10X Inst : GCMSVOA2
Misc : 10
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Nov 15 07:35:41 2022
Quant Method : C:\MSDCHEM\1\METHODS\B092322W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Mon Oct 03 14:02:43 2022
Response via : Initial Calibration

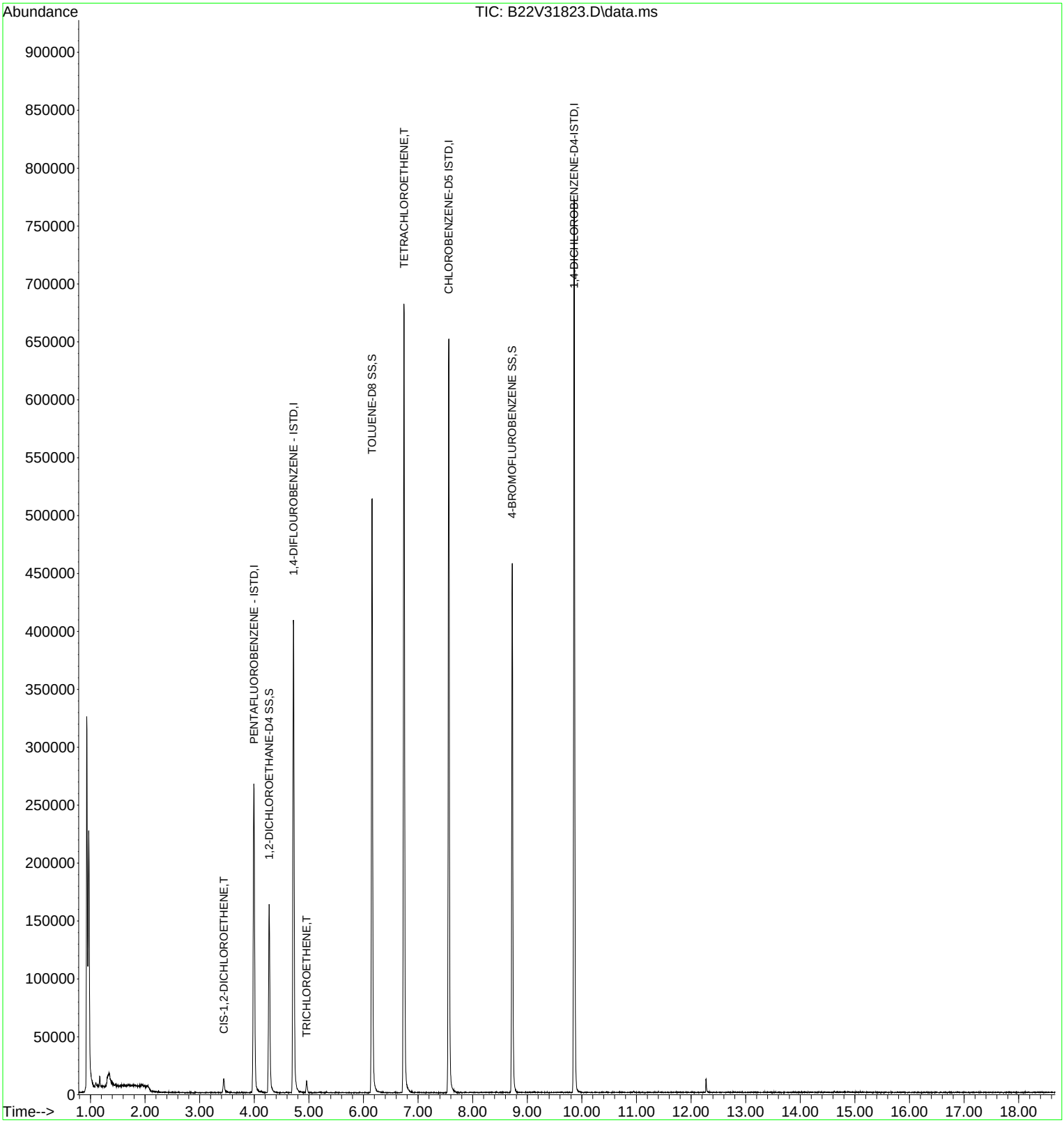
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) PENTAFLUOROBENZENE - ISTD | 3.996 | 168 | 178468 | 30.00 | UG/L | 0.00 |
| 44) 1,4-DIFLOUROBENZENE - ... | 4.718 | 114 | 261555 | 30.00 | UG/L | 0.00 |
| 65) CHLOROBENZENE-D5 ISTD | 7.563 | 82 | 144496 | 30.00 | UG/L | 0.00 |
| 84) 1,4-DICHLOROBENZENE-D4... | 9.859 | 152 | 171406 | 30.00 | UG/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 2) 1,2-DICHLOROETHANE-D4 SS | 4.272 | 65 | 97491 | 23.65 | UG/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 94.60% | | | |
| 45) TOLUENE-D8 SS | 6.156 | 98 | 266013 | 24.65 | UG/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 98.60% | | | |
| 66) 4-BROMOFLUROBENZENE SS | 8.725 | 95 | 114702 | 24.76 | UG/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 99.04% | | | |
| Target Compounds | | | | | | Qvalue |
| 30) CIS-1,2-DICHLOROETHENE | 3.442 | 61 | 7254 | 1.34 | UG/L | 99 |
| 47) TRICHLOROETHENE | 4.956 | 95 | 2563 | 1.01 | UG/L | 97 |
| 61) TETRACHLOROETHENE | 6.744 | 164 | 136557 | 59.62 | UG/L | 96 |

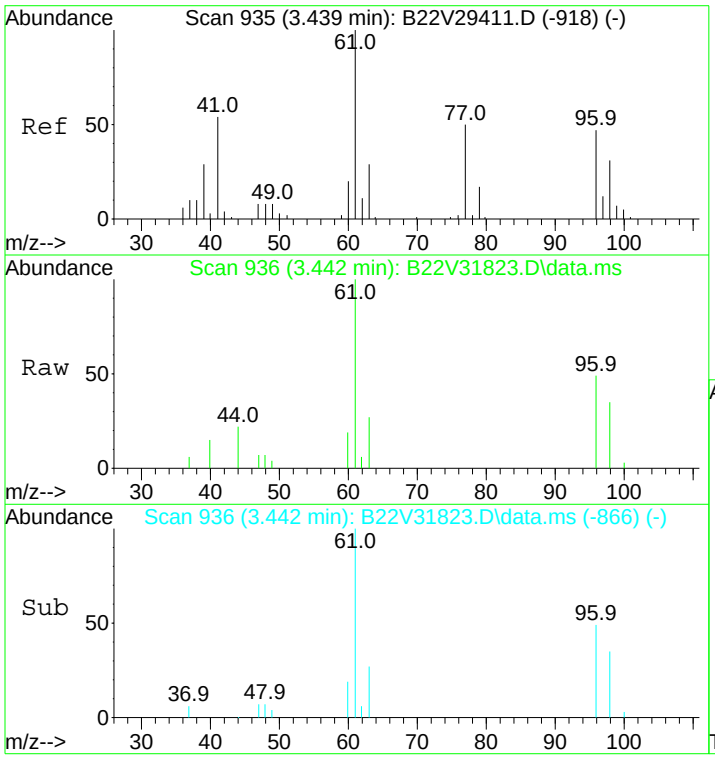
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\Voa2\MSDChem\1\DATA\B111422\
Data File : B22V31823.D
Acq On : 14 Nov 2022 4:00 pm
Operator :
Sample : 22K1604-02 @ 10X Inst : GCMSVOA2
Misc : 10
ALS Vial : 23 Sample Multiplier: 1



Quant Time: Nov 15 07:35:41 2022
Quant Method : C:\MSDCHEM\1\METHODS\B092322W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Mon Oct 03 14:02:43 2022
Response via : Initial Calibration

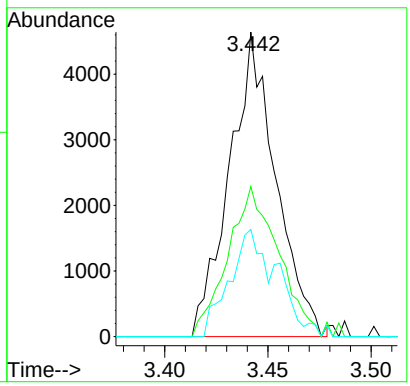


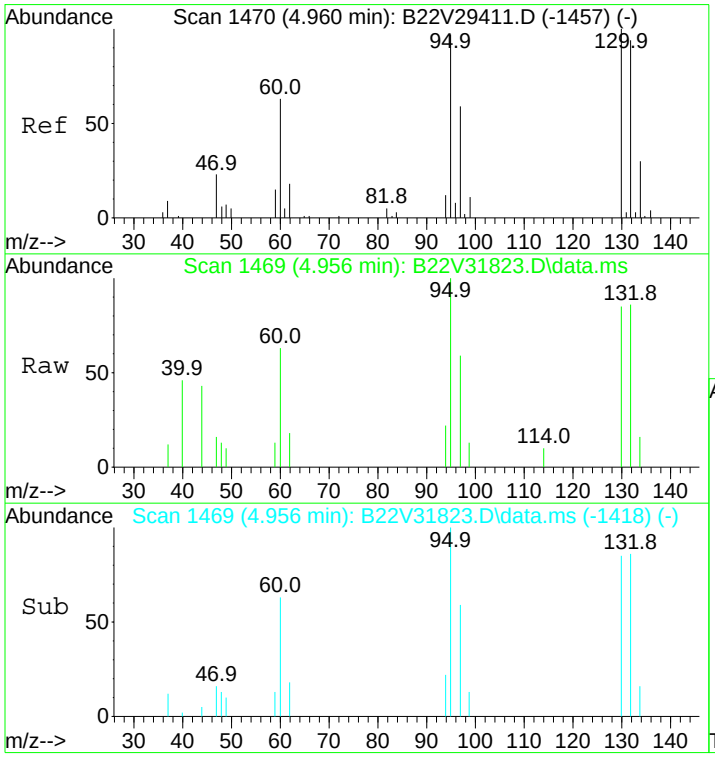



#30
CIS-1,2-DICHLOROETHENE
Concen: 1.34 UG/L
RT: 3.442 min Scan# 936
Delta R.T. -0.001 min
Lab File: B22V31823.D
Acq: 14 Nov 2022 4:00 pm

Tgt Ion: 61 Resp: 7254

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 61 | 100 | | |
| 96 | 53.5 | 42.8 | 64.2 |
| 98 | 36.2 | 27.4 | 41.2 |

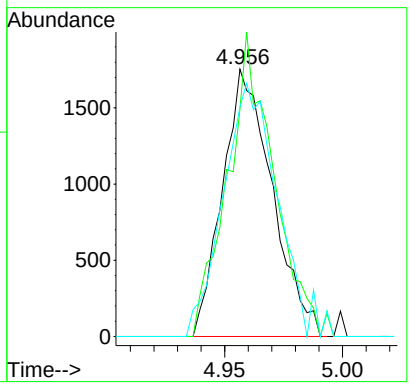


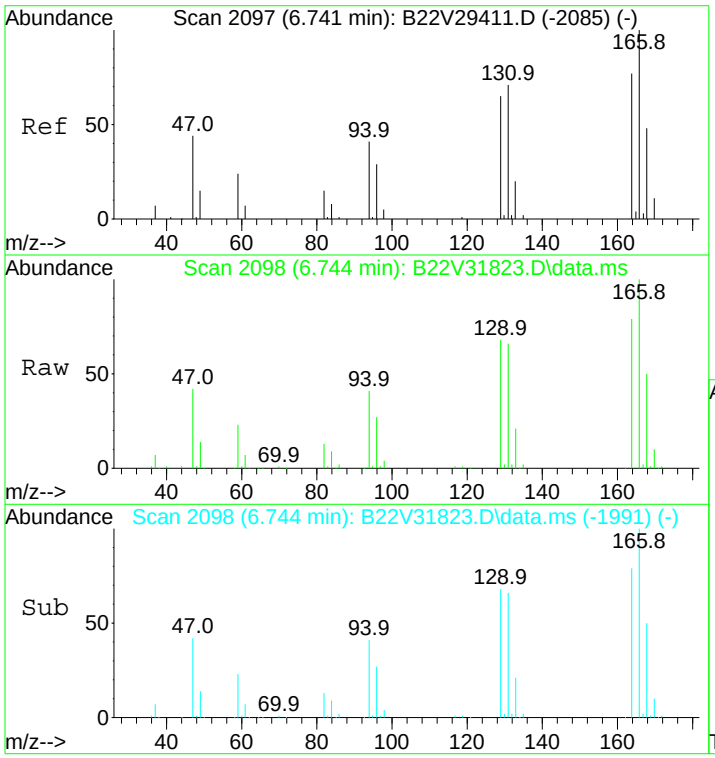




#47
TRICHLOROETHENE
Concen: 1.01 UG/L
RT: 4.956 min Scan# 1469
Delta R.T. -0.005 min
Lab File: B22V31823.D
Acq: 14 Nov 2022 4:00 pm

Tgt Ion: 95 Resp: 2563

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 130 | 106.0 | 79.3 | 118.9 |
| 132 | 100.7 | 80.6 | 121.0 |

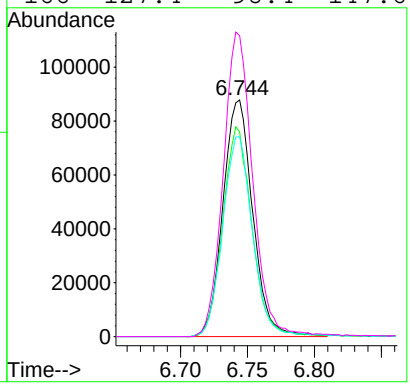





#61
TETRACHLOROETHENE
Concen: 59.62 UG/L
RT: 6.744 min Scan# 2098
Delta R.T. 0.004 min
Lab File: B22V31823.D
Acq: 14 Nov 2022 4:00 pm

Tgt Ion:164 Resp: 136557

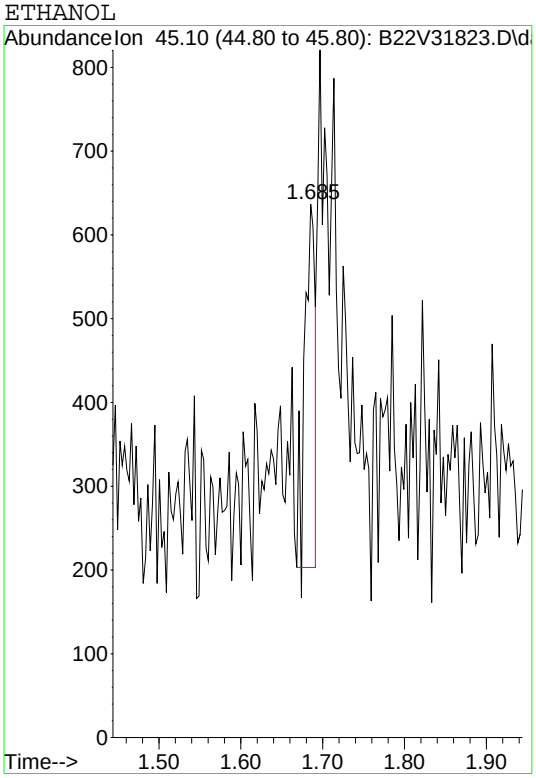
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 129 | 87.0 | 72.9 | 109.3 |
| 131 | 84.9 | 71.8 | 107.6 |
| 166 | 127.4 | 98.4 | 147.6 |



Data Path : \\Voa2\MSDChem\1\DATA\B111422\
Data File : B22V31823.D
Acq On : 14 Nov 2022 4:00 pm
Operator :
Sample : 22K1604-02 @ 10X
Misc : 10

Quant Time : Tue Nov 15 07:35:41 2022
Quant Method : C:\MSDCHEM\1\METHODS\B092322W.M
QLast Update : Mon Oct 03 14:02:43 2022

Original Integration
ETHANOL




Original Int. Results
---

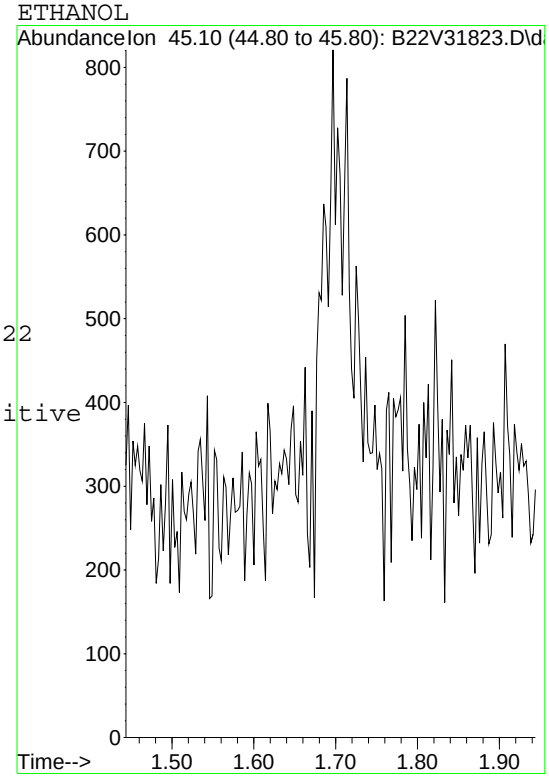
RT : 1.69
Area : 375
Amount: 4.97981

Manual Int. Results
---

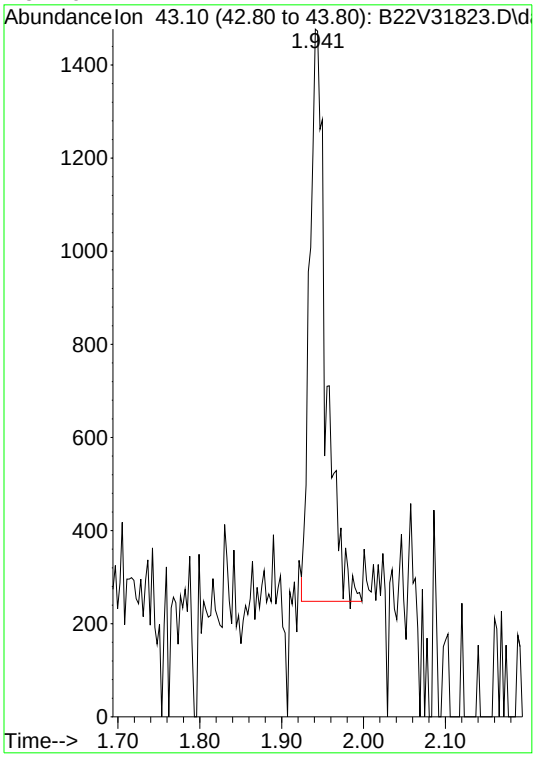
Tue Nov 15 07:35:11 2022

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

Manual Integration
ETHANOL




Original Integration
ACETONE




Original Int. Results
---

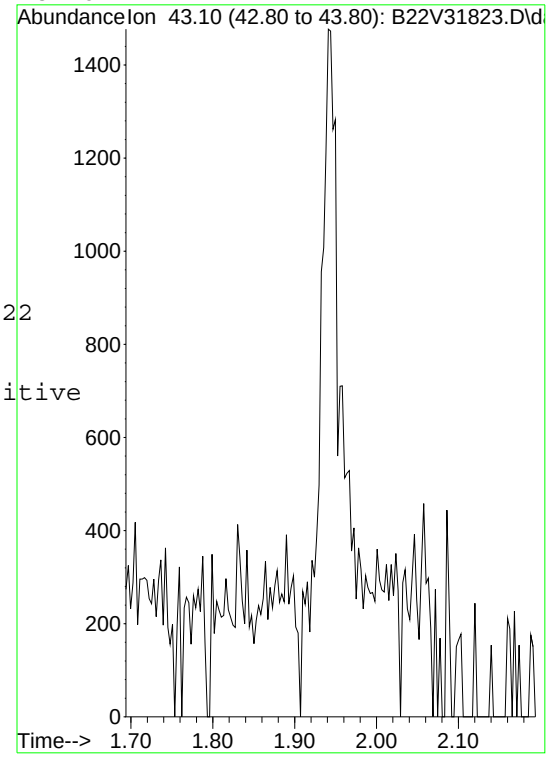
RT : 1.94
Area : 1695
Amount: 1.19322

Manual Int. Results
---

Tue Nov 15 07:35:18 2022

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

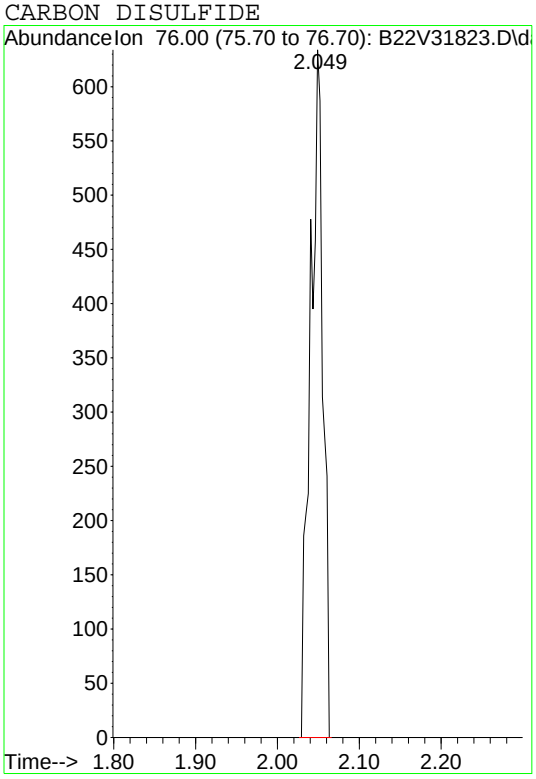
Manual Integration
ACETONE



Data Path : \\Voa2\MSDChem\1\DATA\B111422\
Data File : B22V31823.D
Acq On : 14 Nov 2022 4:00 pm
Operator :
Sample : 22K1604-02 @ 10X
Misc : 10

Quant Time : Tue Nov 15 07:35:41 2022
Quant Method : C:\MSDCHEM\1\METHODS\B092322W.M
QLast Update : Mon Oct 03 14:02:43 2022

Original Integration
CARBON DISULFIDE




Original Int. Results
---

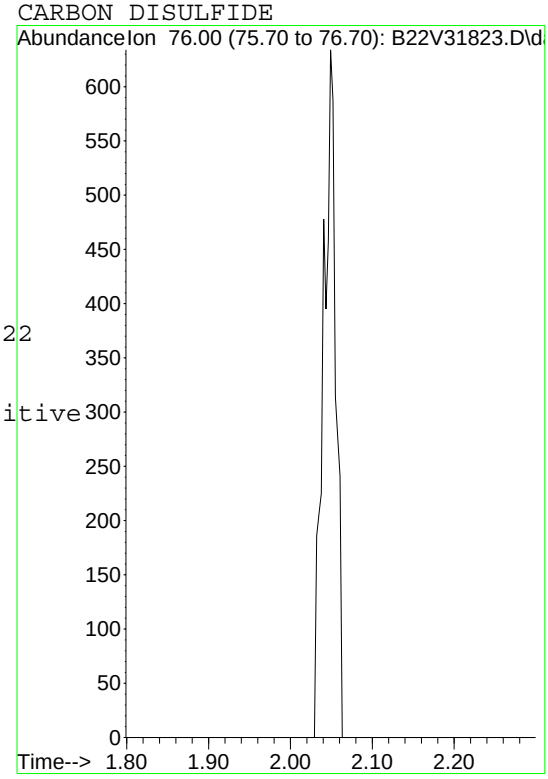
RT : 2.05
Area : 683
Amount: 0.0974888

Manual Int. Results
---

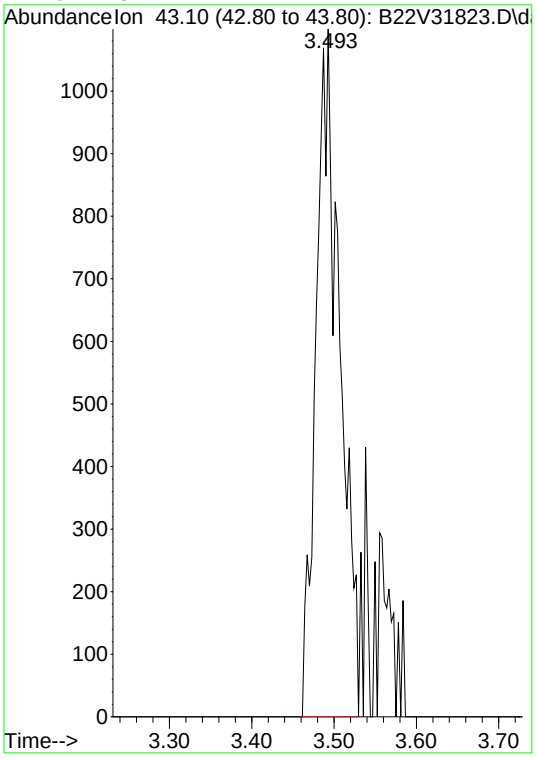
Tue Nov 15 07:35:21 2022

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

Manual Integration
CARBON DISULFIDE




Original Integration
2-BUTANONE




Original Int. Results
---

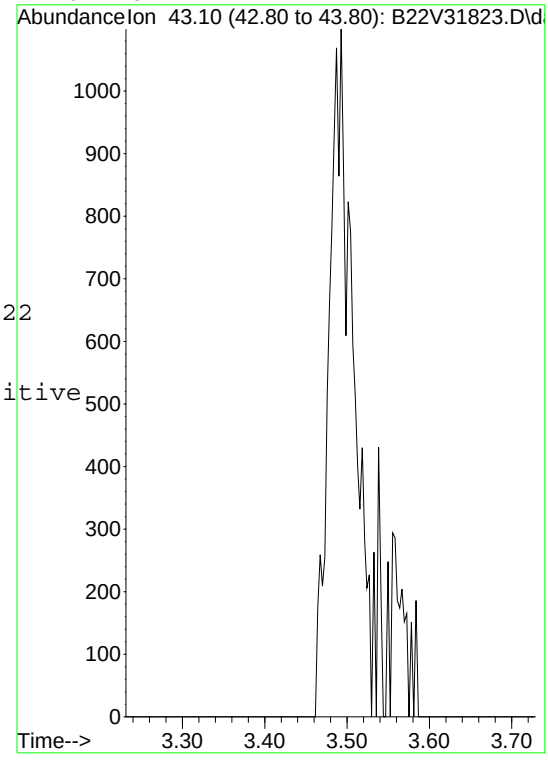
RT : 3.49
Area : 2196
Amount: 1.03346

Manual Int. Results
---

Tue Nov 15 07:35:28 2022

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

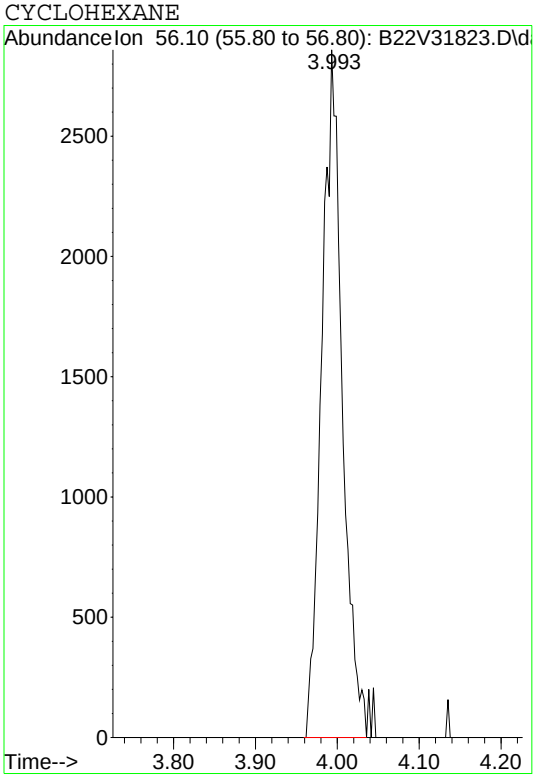
Manual Integration
2-BUTANONE



Data Path : \\Voa2\MSDChem\1\DATA\B111422\
Data File : B22V31823.D
Acq On : 14 Nov 2022 4:00 pm
Operator :
Sample : 22K1604-02 @ 10X
Misc : 10

Quant Time : Tue Nov 15 07:35:41 2022
Quant Method : C:\MSDCHEM\1\METHODS\B092322W.M
QLast Update : Mon Oct 03 14:02:43 2022

Original Integration
CYCLOHEXANE




Original Int. Results
---

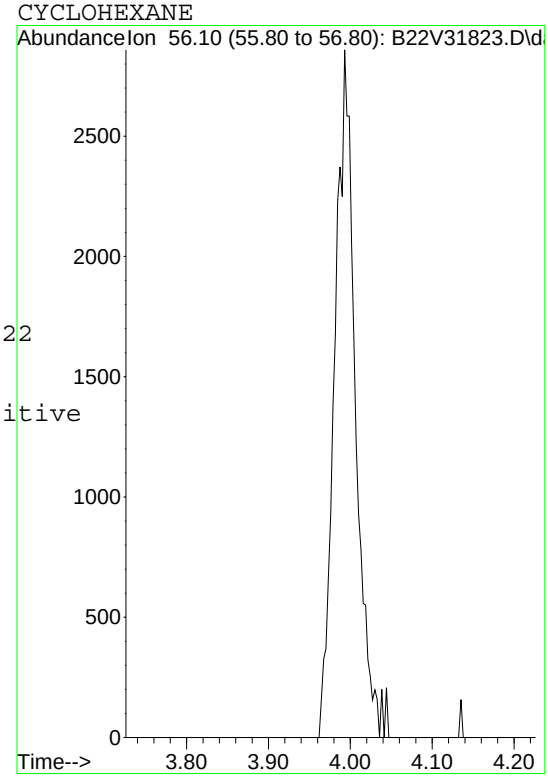
RT : 3.99
Area : 4981
Amount: 0.587454

Manual Int. Results
---

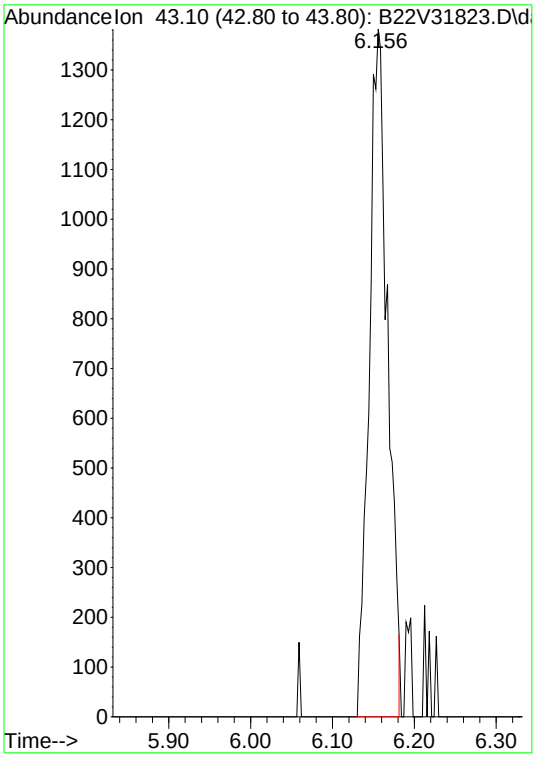
Tue Nov 15 07:35:34 2022

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

Manual Integration
CYCLOHEXANE




Original Integration
MIBK




Original Int. Results
---

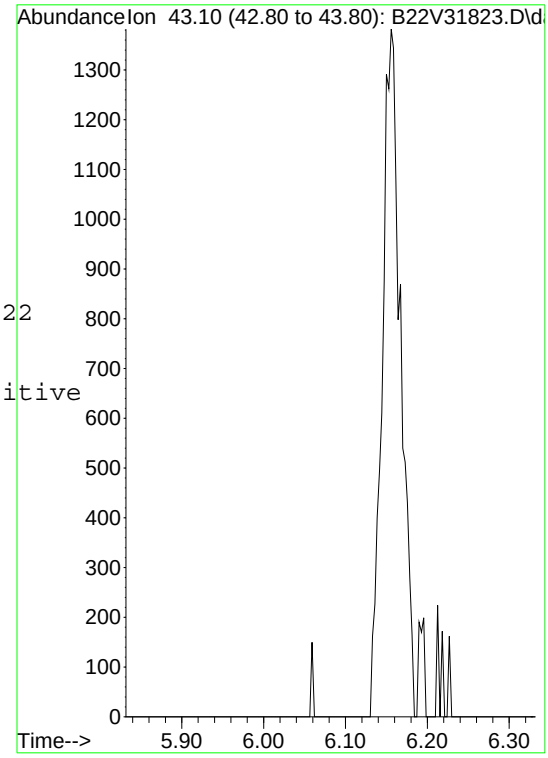
RT : 6.16
Area : 2169
Amount: 0.459229

Manual Int. Results
---

Tue Nov 15 07:35:40 2022

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

Manual Integration
MIBK



# 1 - FORM I
# ANALYSIS DATA SHEET

## MW-27S

| | | | | | |
|---|---|---|---|---|---|
| Laboratory: | Pace New England | | | Work Order: | 22K1604 |
| Client: | NYDEC_GES - Amherst, NY | | | Project: | 275 Franklin St, Buffalo - CO 144192 |
| Matrix: | Ground Water | Laboratory ID: | 22K1604-03 | File ID: | B22V31817.D |
| Sampled: | 11/09/22 13:00 | Prepared: | 11/14/22 07:02 | Analyzed: | 11/14/22 13:23 |
| Solids: | | Preparation: | SW-846 5030B | Dilution: | 1 |
| Initial/Final: | 5 mL / 5 mL | | | | |
| Batch: | B322925 | Sequence: | S079358 | Calibration: | 2200668 | Instrument: | GCMSVOA2 |

| CAS NO. | COMPOUND | CONC. (µg/L) | MDL | RL | Q |
|---|---|---|---|---|---|
| 67-64-1 | Acetone | | 2.0 | 50 | |
| 71-43-2 | Benzene | | 0.20 | 1.0 | |
| 74-97-5 | Bromochloromethane | | 0.31 | 1.0 | |
| 75-27-4 | Bromodichloromethane | | 0.18 | 0.50 | |
| 75-25-2 | Bromoform | | 0.38 | 1.0 | |
| 74-83-9 | Bromomethane | | 1.5 | 2.0 | V-05 |
| 78-93-3 | 2-Butanone (MEK) | | 1.6 | 20 | |
| 75-15-0 | Carbon Disulfide | | 1.4 | 5.0 | |
| 56-23-5 | Carbon Tetrachloride | | 0.16 | 5.0 | |
| 108-90-7 | Chlorobenzene | | 0.11 | 1.0 | |
| 124-48-1 | Chlorodibromomethane | | 0.22 | 0.50 | |
| 75-00-3 | Chloroethane | | 0.32 | 2.0 | |
| 67-66-3 | Chloroform | 4.3 | 0.17 | 2.0 | |
| 74-87-3 | Chloromethane | | 0.52 | 2.0 | |
| 110-82-7 | Cyclohexane | | 1.8 | 5.0 | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane (DBCP) | | 0.80 | 5.0 | V-05 |
| 106-93-4 | 1,2-Dibromoethane (EDB) | | 0.17 | 0.50 | |
| 95-50-1 | 1,2-Dichlorobenzene | | 0.12 | 1.0 | |
| 541-73-1 | 1,3-Dichlorobenzene | | 0.12 | 1.0 | |
| 106-46-7 | 1,4-Dichlorobenzene | | 0.13 | 1.0 | |
| 75-71-8 | Dichlorodifluoromethane (Freon 12) | | 0.19 | 2.0 | |
| 75-34-3 | 1,1-Dichloroethane | | 0.14 | 1.0 | |
| 107-06-2 | 1,2-Dichloroethane | | 0.31 | 1.0 | |
| 75-35-4 | 1,1-Dichloroethylene | | 0.14 | 1.0 | |
| 156-59-2 | cis-1,2-Dichloroethylene | | 0.15 | 1.0 | |
| 156-60-5 | trans-1,2-Dichloroethylene | | 0.17 | 1.0 | |
| 78-87-5 | 1,2-Dichloropropane | | 0.18 | 1.0 | |
| 10061-01-5 | cis-1,3-Dichloropropene | | 0.16 | 0.50 | |
| 10061-02-6 | trans-1,3-Dichloropropene | | 0.17 | 0.50 | |
| 123-91-1 | 1,4-Dioxane | | 21 | 50 | |

# 1 - FORM I
# ANALYSIS DATA SHEET

## MW-27S

| | | | | | |
|---|---|---|---|---|---|
| Laboratory: | Pace New England | | | Work Order: | 22K1604 |
| Client: | NYDEC_GES - Amherst, NY | | | Project: | 275 Franklin St, Buffalo - CO 144192 |
| Matrix: | Ground Water | Laboratory ID: | 22K1604-03 | File ID: | B22V31817.D |
| Sampled: | 11/09/22 13:00 | Prepared: | 11/14/22 07:02 | Analyzed: | 11/14/22 13:23 |
| Solids: | | Preparation: | SW-846 5030B | Dilution: | 1 |
| Initial/Final: | 5 mL / 5 mL | | | | |
| Batch: | B322925 | Sequence: | S079358 | Calibration: | 2200668 | Instrument: | GCMSVOA2 |

| CAS NO. | COMPOUND | CONC. (µg/L) | MDL | RL | Q |
|---|---|---|---|---|---|
| 100-41-4 | Ethylbenzene | | 0.21 | 1.0 | |
| 591-78-6 | 2-Hexanone (MBK) | | 1.1 | 10 | |
| 98-82-8 | Isopropylbenzene (Cumene) | | 0.11 | 1.0 | |
| 79-20-9 | Methyl Acetate | | 0.45 | 1.0 | |
| 1634-04-4 | Methyl tert-Butyl Ether (MTBE) | | 0.17 | 1.0 | |
| 108-87-2 | Methyl Cyclohexane | | 0.24 | 1.0 | |
| 75-09-2 | Methylene Chloride | | 0.23 | 5.0 | |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | | 1.3 | 10 | |
| 100-42-5 | Styrene | | 0.11 | 1.0 | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | | 0.13 | 0.50 | |
| 127-18-4 | Tetrachloroethylene | 6.4 | 0.19 | 1.0 | |
| 108-88-3 | Toluene | | 0.22 | 1.0 | |
| 87-61-6 | 1,2,3-Trichlorobenzene | | 0.30 | 5.0 | |
| 120-82-1 | 1,2,4-Trichlorobenzene | | 0.25 | 1.0 | |
| 71-55-6 | 1,1,1-Trichloroethane | | 0.17 | 1.0 | |
| 79-00-5 | 1,1,2-Trichloroethane | | 0.18 | 1.0 | |
| 79-01-6 | Trichloroethylene | | 0.19 | 1.0 | |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | | 0.18 | 2.0 | |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1 | | 0.23 | 1.0 | |
| 75-01-4 | Vinyl Chloride | | 0.21 | 2.0 | |
| 1330-20-7 | Xylenes (total) | | 1.0 | 1.0 | |

Data Path : \\Voa2\MSDChem\1\DATA\B111422\
Data File : B22V31817.D
Acq On : 14 Nov 2022 1:23 pm
Operator :
Sample : 22K1604-03 Inst : GCMSVOA2
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Nov 15 07:25:55 2022
Quant Method : C:\MSDCHEM\1\METHODS\B092322W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Mon Oct 03 14:02:43 2022
Response via : Initial Calibration

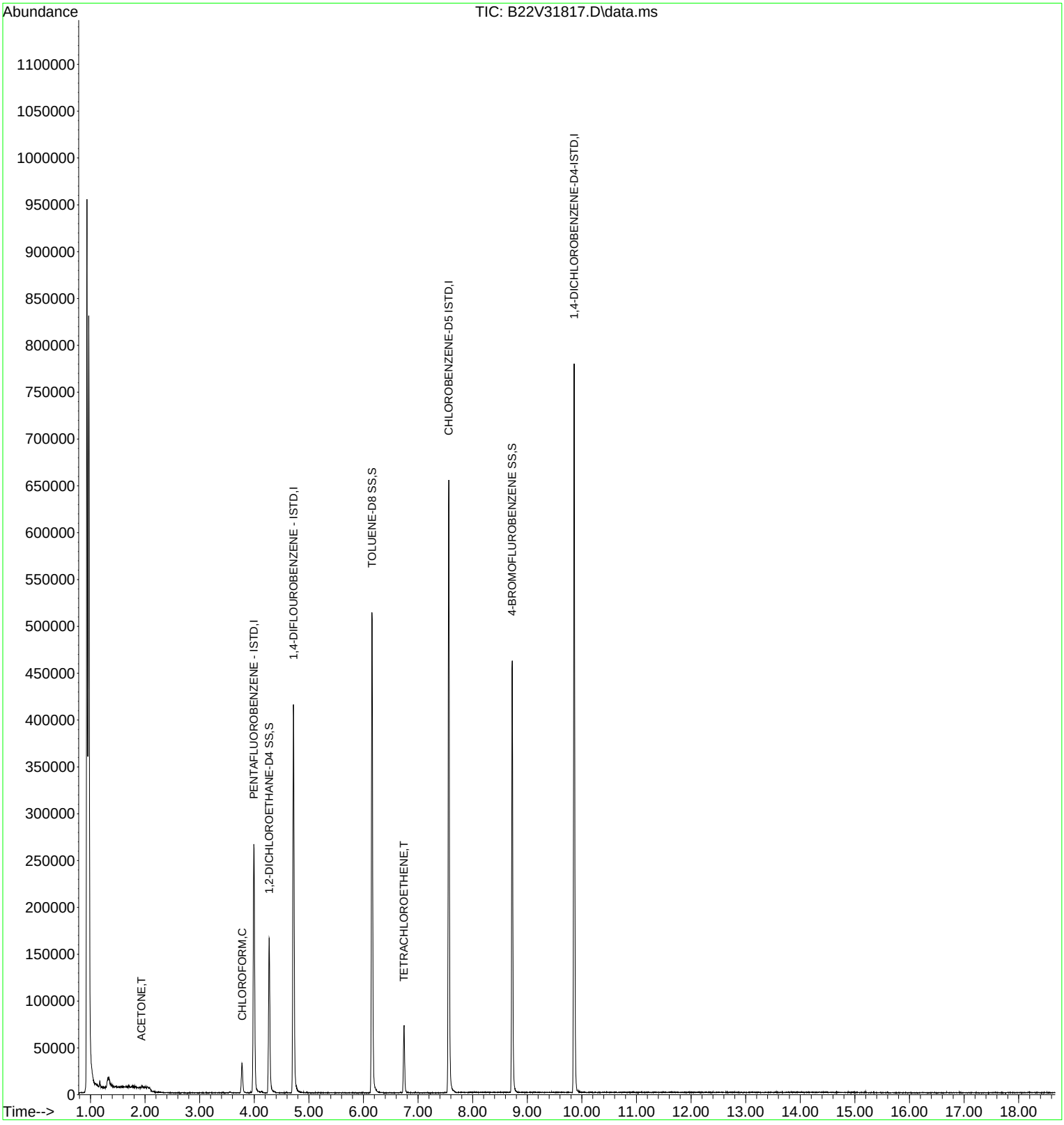
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) PENTAFLUOROBENZENE - ISTD | 3.993 | 168 | 175443 | 30.00 | UG/L | 0.00 |
| 44) 1,4-DIFLOUROBENZENE - ... | 4.718 | 114 | 263888 | 30.00 | UG/L | 0.00 |
| 65) CHLOROBENZENE-D5 ISTD | 7.563 | 82 | 144347 | 30.00 | UG/L | 0.00 |
| 84) 1,4-DICHLOROBENZENE-D4... | 9.859 | 152 | 171999 | 30.00 | UG/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 2) 1,2-DICHLOROETHANE-D4 SS | 4.274 | 65 | 100141 | 24.71 | UG/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 98.84% | | | |
| 45) TOLUENE-D8 SS | 6.156 | 98 | 266299 | 24.45 | UG/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 97.80% | | | |
| 66) 4-BROMOFLUROBENZENE SS | 8.725 | 95 | 116272 | 25.12 | UG/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 100.48% | | | |
| Target Compounds | | | | | | Qvalue |
| 14) ACETONE | 1.935 | 43 | 2161 | 1.55 | UG/L # | 48 |
| 36) CHLOROFORM | 3.780 | 83 | 19802 | 4.30 | UG/L | 99 |
| 61) TETRACHLOROETHENE | 6.741 | 164 | 14848 | 6.42 | UG/L | 94 |

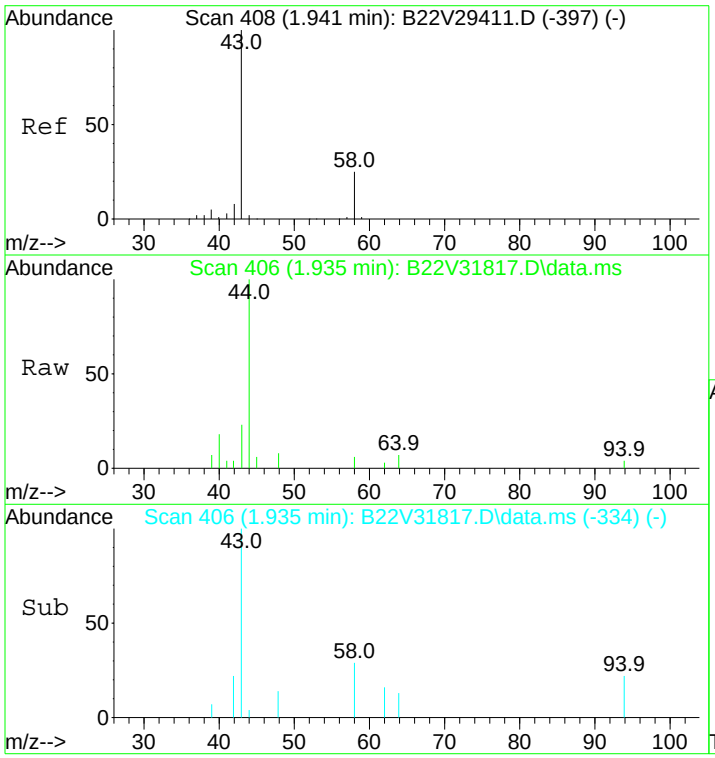
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\Voa2\MSDChem\1\DATA\B111422\
Data File : B22V31817.D
Acq On : 14 Nov 2022 1:23 pm
Operator :
Sample : 22K1604-03 Inst : GCMSVOA2
Misc :
ALS Vial : 17 Sample Multiplier: 1



Quant Time: Nov 15 07:25:55 2022
Quant Method : C:\MSDCHEM\1\METHODS\B092322W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Mon Oct 03 14:02:43 2022
Response via : Initial Calibration

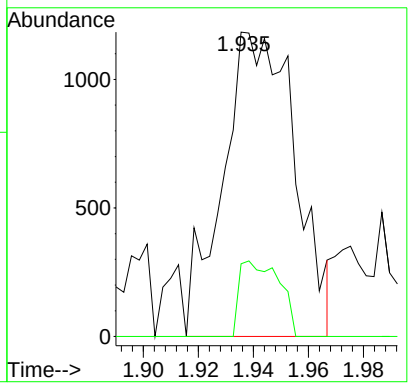


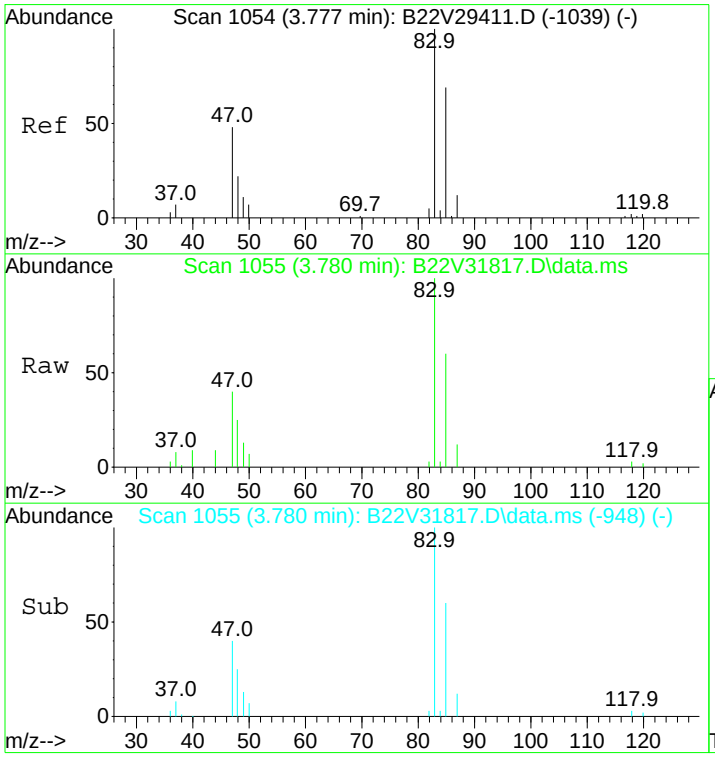



#14
ACETONE
Concen: 1.55 UG/L
RT: 1.935 min Scan# 406
Delta R.T. -0.010 min
Lab File: B22V31817.D
Acq: 14 Nov 2022 1:23 pm

Tgt Ion: 43 Resp: 2161

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 0.0 | 21.2 | 31.8# |

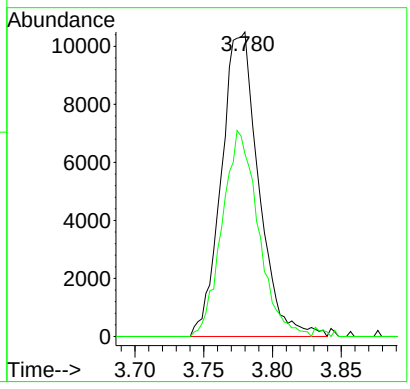


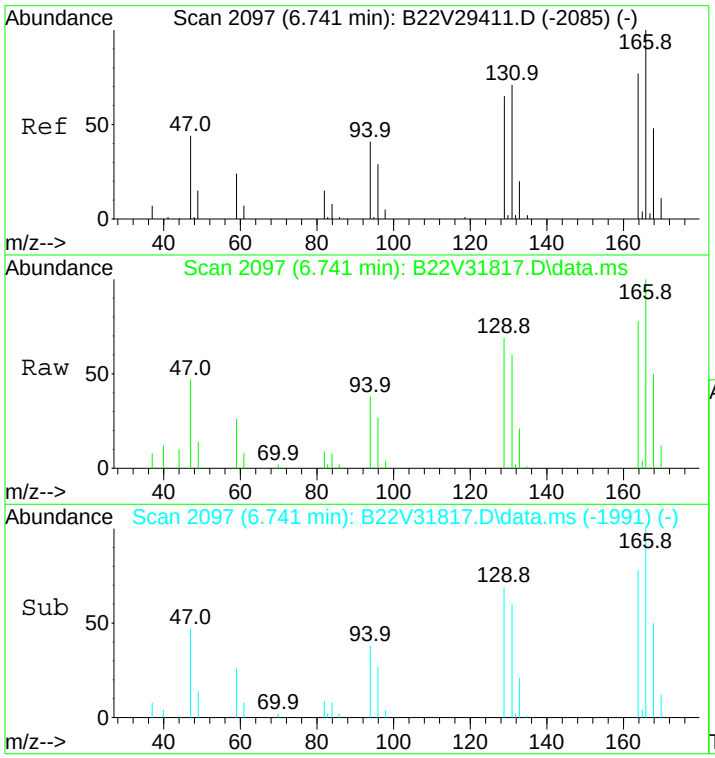




#36
CHLOROFORM
Concen: 4.30 UG/L
RT: 3.780 min Scan# 1055
Delta R.T. 0.005 min
Lab File: B22V31817.D
Acq: 14 Nov 2022 1:23 pm

Tgt Ion: 83 Resp: 19802

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 65.5 | 51.8 | 77.8 |

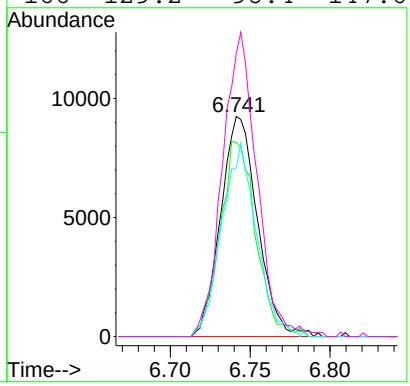





#61
TETRACHLOROETHENE
Concen: 6.42 UG/L
RT: 6.741 min Scan# 2097
Delta R.T. 0.001 min
Lab File: B22V31817.D
Acq: 14 Nov 2022 1:23 pm

Tgt Ion:164 Resp: 14848

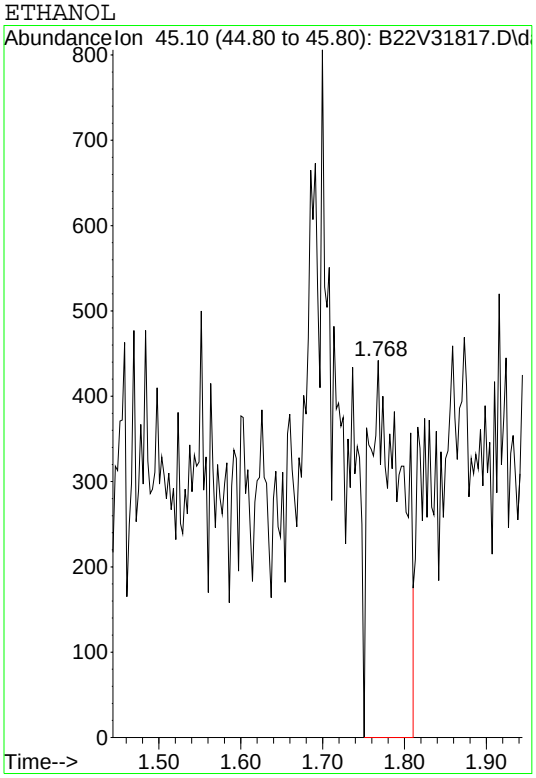
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 129 | 86.2 | 72.9 | 109.3 |
| 131 | 83.3 | 71.8 | 107.6 |
| 166 | 129.2 | 98.4 | 147.6 |



Data Path : \\Voa2\MSDChem\1\DATA\B111422\
Data File : B22V31817.D
Acq On : 14 Nov 2022 1:23 pm
Operator :
Sample : 22K1604-03
Misc :

Quant Time : Tue Nov 15 07:25:55 2022
Quant Method : C:\MSDCHEM\1\METHODS\B092322W.M
QLast Update : Mon Oct 03 14:02:43 2022

Original Integration
ETHANOL




Original Int. Results
---

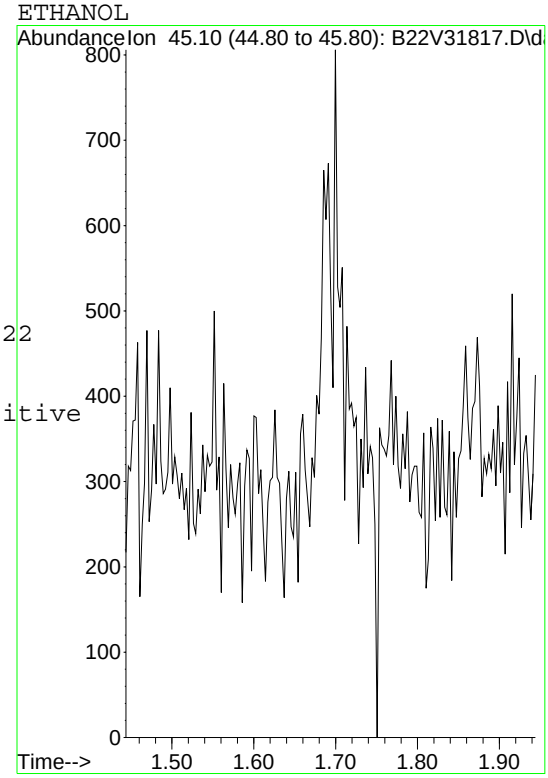
RT : 1.77
Area : 1164
Amount: 15.7238

Manual Int. Results
---

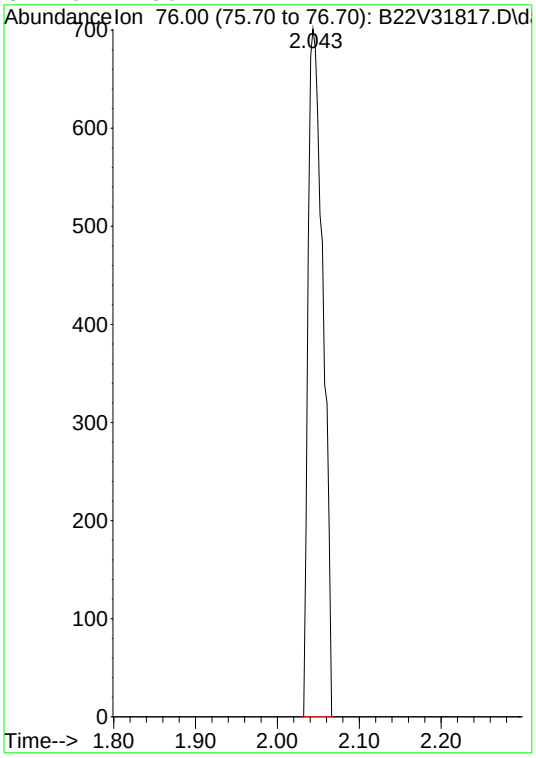
Tue Nov 15 07:25:21 2022

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

Manual Integration
ETHANOL




Original Integration
CARBON DISULFIDE




Original Int. Results
---

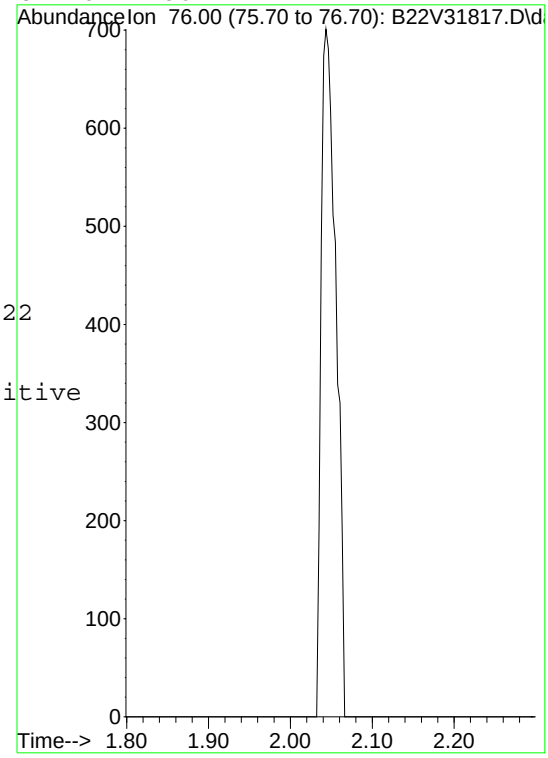
RT : 2.04
Area : 885
Amount: 0.1285

Manual Int. Results
---

Tue Nov 15 07:25:33 2022

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

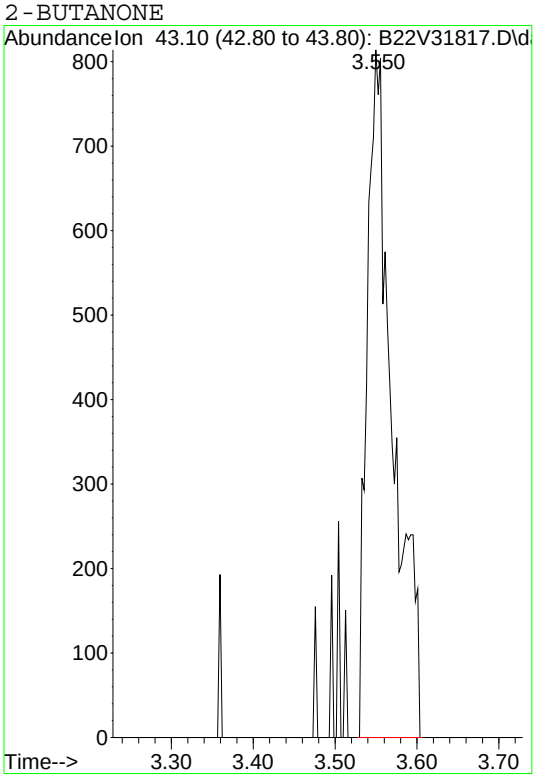
Manual Integration
CARBON DISULFIDE



Data Path : \\Voa2\MSDChem\1\DATA\B111422\
Data File : B22V31817.D
Acq On : 14 Nov 2022 1:23 pm
Operator :
Sample : 22K1604-03
Misc :

Quant Time : Tue Nov 15 07:25:55 2022
Quant Method : C:\MSDCHEM\1\METHODS\B092322W.M
QLast Update : Mon Oct 03 14:02:43 2022

Original Integration
2-BUTANONE




Original Int. Results
---

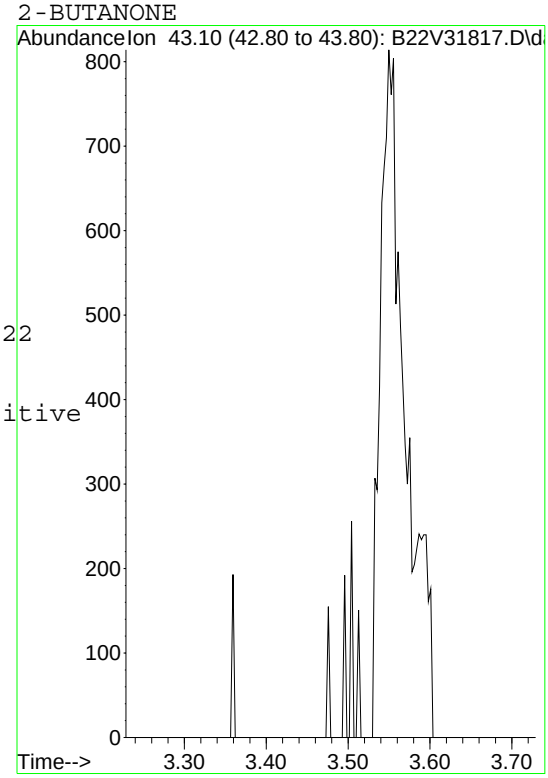
RT : 3.55
Area : 1760
Amount: 0.842557

Manual Int. Results
---

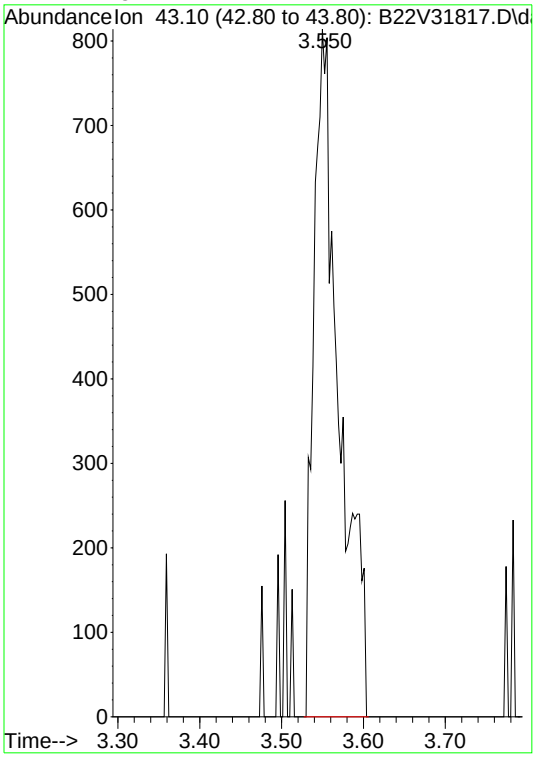
Tue Nov 15 07:25:37 2022

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

Manual Integration
2-BUTANONE




Original Integration
ETHYL ACETATE




Original Int. Results
---

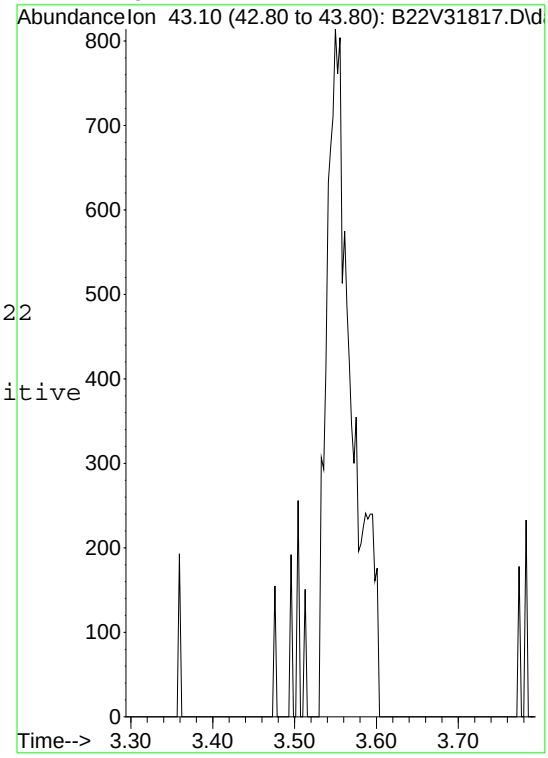
RT : 3.55
Area : 1760
Amount: 0.315456

Manual Int. Results
---

Tue Nov 15 07:25:41 2022

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

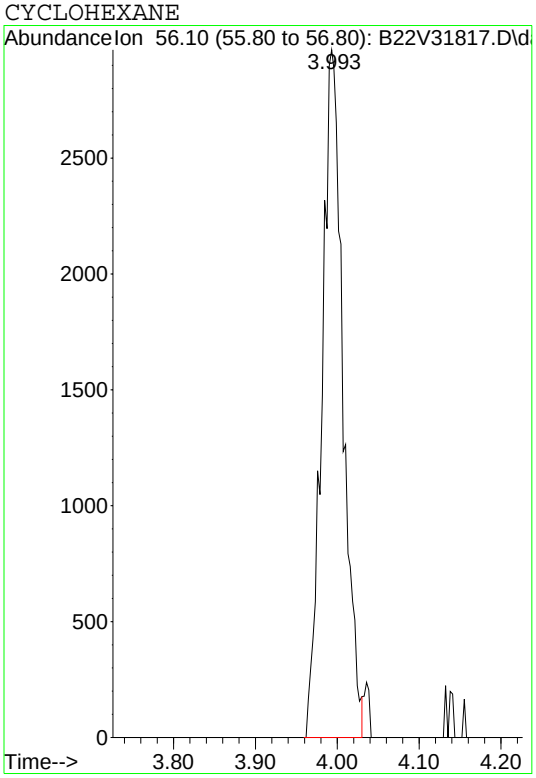
Manual Integration
ETHYL ACETATE



Data Path : \\Voa2\MSDChem\1\DATA\B111422\
Data File : B22V31817.D
Acq On : 14 Nov 2022 1:23 pm
Operator :
Sample : 22K1604-03
Misc :

Quant Time : Tue Nov 15 07:25:55 2022
Quant Method : C:\MSDCHEM\1\METHODS\B092322W.M
QLast Update : Mon Oct 03 14:02:43 2022

Original Integration
CYCLOHEXANE




Original Int. Results
---

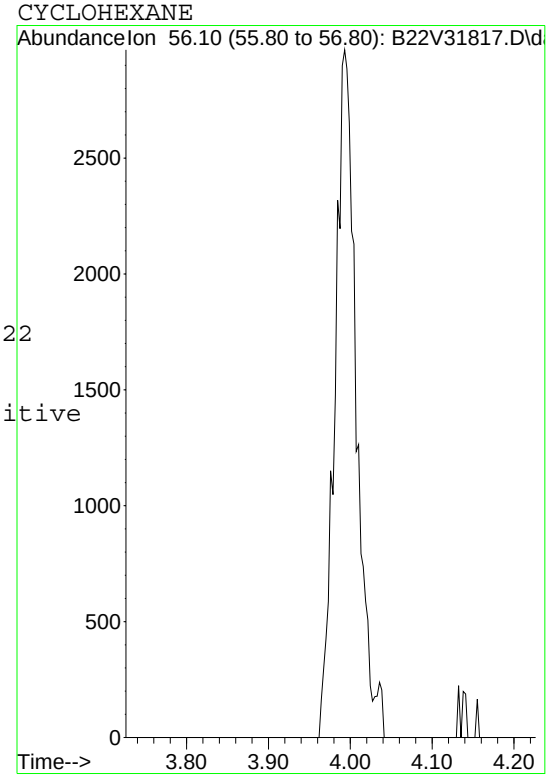
RT : 3.99
Area : 5297
Amount: 0.635494

Manual Int. Results
---

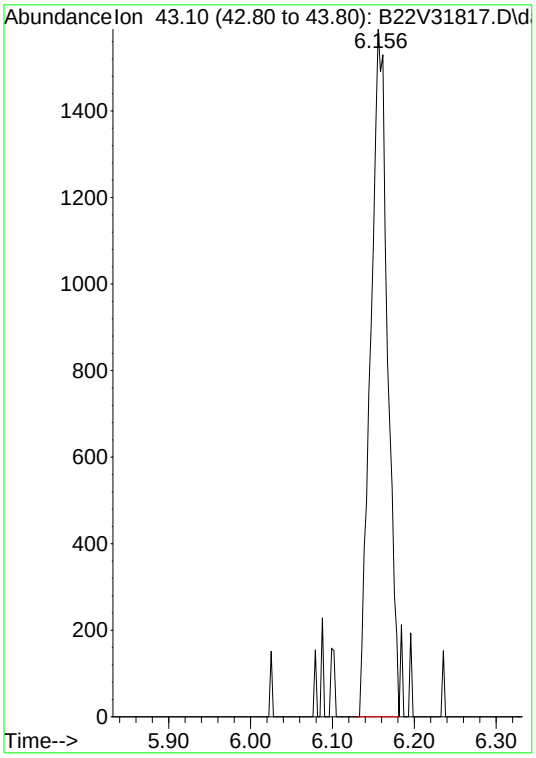
Tue Nov 15 07:25:50 2022

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

Manual Integration
CYCLOHEXANE




Original Integration
MIBK




Original Int. Results
---

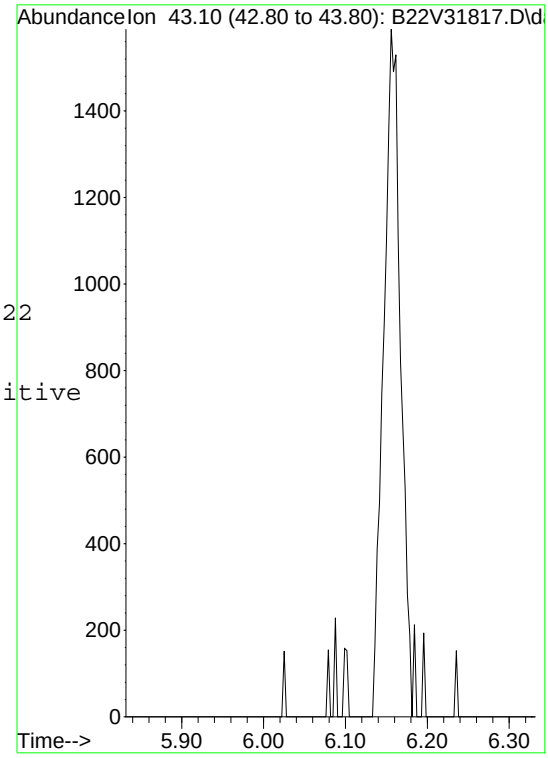
RT : 6.16
Area : 2282
Amount: 0.478882

Manual Int. Results
---

Tue Nov 15 07:25:54 2022

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

Manual Integration
MIBK



# 1 - FORM I
# ANALYSIS DATA SHEET

## MW-23D

| | | | | | |
|---|---|---|---|---|---|
| Laboratory: | Pace New England | | | Work Order: | 22K1604 |
| Client: | NYDEC_GES - Amherst, NY | | | Project: | 275 Franklin St, Buffalo - CO 144192 |
| Matrix: | Ground Water | Laboratory ID: | 22K1604-04 | File ID: | B22V31824.D |
| Sampled: | 11/09/22 14:45 | Prepared: | 11/14/22 07:02 | Analyzed: | 11/14/22 16:26 |
| Solids: | | Preparation: | SW-846 5030B | Dilution: | 5 |
| Initial/Final: | 5 mL / 5 mL | | | | |
| Batch: | B322925 | Sequence: | S079358 | Calibration: | 2200668 | Instrument: | GCMSVOA2 |

| CAS NO. | COMPOUND | CONC. (µg/L) | MDL | RL | Q |
|---|---|---|---|---|---|
| 67-64-1 | Acetone | | 10 | 250 | |
| 71-43-2 | Benzene | | 1.0 | 5.0 | |
| 74-97-5 | Bromochloromethane | | 1.5 | 5.0 | |
| 75-27-4 | Bromodichloromethane | | 0.90 | 2.5 | |
| 75-25-2 | Bromoform | | 1.9 | 5.0 | |
| 74-83-9 | Bromomethane | | 7.7 | 10 | V-05 |
| 78-93-3 | 2-Butanone (MEK) | 14 | 8.1 | 100 | J |
| 75-15-0 | Carbon Disulfide | | 7.2 | 25 | |
| 56-23-5 | Carbon Tetrachloride | | 0.82 | 25 | |
| 108-90-7 | Chlorobenzene | | 0.53 | 5.0 | |
| 124-48-1 | Chlorodibromomethane | | 1.1 | 2.5 | |
| 75-00-3 | Chloroethane | | 1.6 | 10 | |
| 67-66-3 | Chloroform | 1.8 | 0.84 | 10 | J |
| 74-87-3 | Chloromethane | | 2.6 | 10 | |
| 110-82-7 | Cyclohexane | | 8.8 | 25 | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane (DBCP) | | 4.0 | 25 | V-05 |
| 106-93-4 | 1,2-Dibromoethane (EDB) | | 0.85 | 2.5 | |
| 95-50-1 | 1,2-Dichlorobenzene | | 0.61 | 5.0 | |
| 541-73-1 | 1,3-Dichlorobenzene | | 0.59 | 5.0 | |
| 106-46-7 | 1,4-Dichlorobenzene | | 0.65 | 5.0 | |
| 75-71-8 | Dichlorodifluoromethane (Freon 12) | | 0.96 | 10 | |
| 75-34-3 | 1,1-Dichloroethane | | 0.71 | 5.0 | |
| 107-06-2 | 1,2-Dichloroethane | | 1.5 | 5.0 | |
| 75-35-4 | 1,1-Dichloroethylene | | 0.71 | 5.0 | |
| 156-59-2 | cis-1,2-Dichloroethylene | 2.8 | 0.73 | 5.0 | J |
| 156-60-5 | trans-1,2-Dichloroethylene | | 0.84 | 5.0 | |
| 78-87-5 | 1,2-Dichloropropane | | 0.91 | 5.0 | |
| 10061-01-5 | cis-1,3-Dichloropropene | | 0.79 | 2.5 | |
| 10061-02-6 | trans-1,3-Dichloropropene | | 0.84 | 2.5 | |
| 123-91-1 | 1,4-Dioxane | | 100 | 250 | |

# 1 - FORM I
# ANALYSIS DATA SHEET

## MW-23D

| | | | | | |
|---|---|---|---|---|---|
| Laboratory: | Pace New England | | | Work Order: | 22K1604 |
| Client: | NYDEC_GES - Amherst, NY | | | Project: | 275 Franklin St, Buffalo - CO 144192 |
| Matrix: | Ground Water | Laboratory ID: | 22K1604-04 | File ID: | B22V31824.D |
| Sampled: | 11/09/22 14:45 | Prepared: | 11/14/22 07:02 | Analyzed: | 11/14/22 16:26 |
| Solids: | | Preparation: | SW-846 5030B | Dilution: | 5 |
| Initial/Final: | 5 mL / 5 mL | | | | |
| Batch: | B322925 | Sequence: | S079358 | Calibration: | 2200668 | Instrument: | GCMSVOA2 |

| CAS NO. | COMPOUND | CONC. (µg/L) | MDL | RL | Q |
|---|---|---|---|---|---|
| 100-41-4 | Ethylbenzene | | 1.1 | 5.0 | |
| 591-78-6 | 2-Hexanone (MBK) | | 5.6 | 50 | |
| 98-82-8 | Isopropylbenzene (Cumene) | | 0.54 | 5.0 | |
| 79-20-9 | Methyl Acetate | | 2.3 | 5.0 | |
| 1634-04-4 | Methyl tert-Butyl Ether (MTBE) | | 0.86 | 5.0 | |
| 108-87-2 | Methyl Cyclohexane | | 1.2 | 5.0 | |
| 75-09-2 | Methylene Chloride | | 1.2 | 25 | |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | | 6.4 | 50 | |
| 100-42-5 | Styrene | | 0.53 | 5.0 | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | | 0.63 | 2.5 | |
| 127-18-4 | Tetrachloroethylene | 500 | 0.94 | 5.0 | |
| 108-88-3 | Toluene | | 1.1 | 5.0 | |
| 87-61-6 | 1,2,3-Trichlorobenzene | | 1.5 | 25 | |
| 120-82-1 | 1,2,4-Trichlorobenzene | | 1.2 | 5.0 | |
| 71-55-6 | 1,1,1-Trichloroethane | | 0.84 | 5.0 | |
| 79-00-5 | 1,1,2-Trichloroethane | | 0.91 | 5.0 | |
| 79-01-6 | Trichloroethylene | | 0.95 | 5.0 | |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | | 0.88 | 10 | |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1 | | 1.1 | 5.0 | |
| 75-01-4 | Vinyl Chloride | | 1.0 | 10 | |
| 1330-20-7 | Xylenes (total) | | 5.0 | 5.0 | |

Data Path : \\Voa2\MSDChem\1\DATA\B111422\
Data File : B22V31824.D
Acq On : 14 Nov 2022 4:26 pm
Operator :
Sample : 22K1604-04 @ 5X Inst : GCMSVOA2
Misc : 5
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Nov 15 07:36:38 2022
Quant Method : C:\MSDCHEM\1\METHODS\B092322W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Mon Oct 03 14:02:43 2022
Response via : Initial Calibration

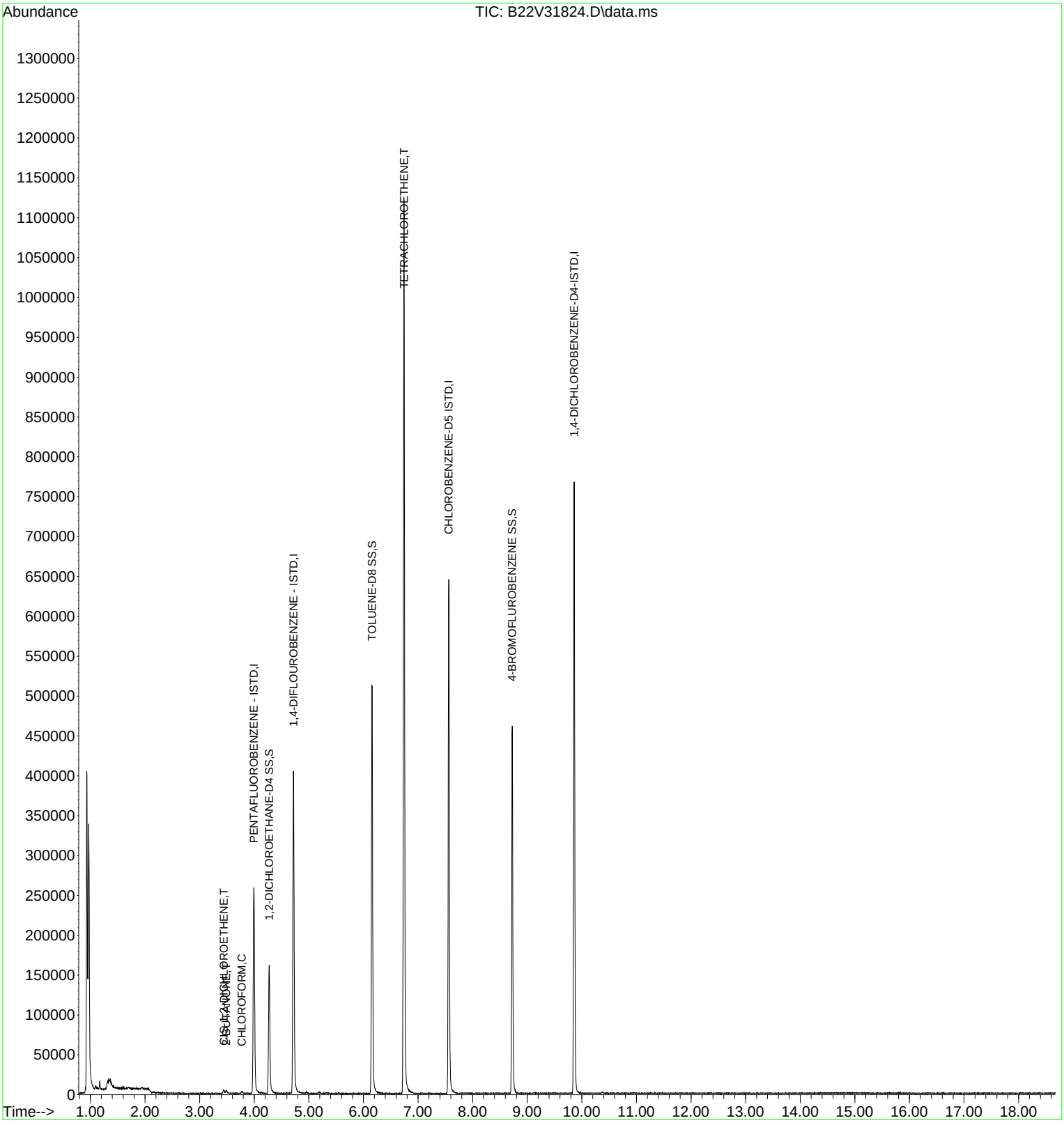
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) PENTAFLUOROBENZENE - ISTD | 3.993 | 168 | 176039 | 30.00 | UG/L | 0.00 |
| 44) 1,4-DIFLOUROBENZENE - ... | 4.718 | 114 | 258502 | 30.00 | UG/L | 0.00 |
| 65) CHLOROBENZENE-D5 ISTD | 7.563 | 82 | 144500 | 30.00 | UG/L | 0.00 |
| 84) 1,4-DICHLOROBENZENE-D4... | 9.859 | 152 | 170629 | 30.00 | UG/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 2) 1,2-DICHLOROETHANE-D4 SS | 4.275 | 65 | 97302 | 23.93 | UG/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 95.72% | | | |
| 45) TOLUENE-D8 SS | 6.156 | 98 | 262689 | 24.63 | UG/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 98.52% | | | |
| 66) 4-BROMOFLUROBENZENE SS | 8.725 | 95 | 116800 | 25.21 | UG/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 100.84% | | | |
| Target Compounds | | | | | | Qvalue |
| 28) 2-BUTANONE | 3.484 | 43 | 5961 | 2.84 | UG/L # | 64 |
| 30) CIS-1,2-DICHLOROETHENE | 3.445 | 61 | 2939 | 0.55 | UG/L | 99 |
| 36) CHLOROFORM | 3.774 | 83 | 1701 | 0.37 | UG/L | 86 |
| 61) TETRACHLOROETHENE | 6.744 | 164 | 226407 | 100.01 | UG/L | 96 |

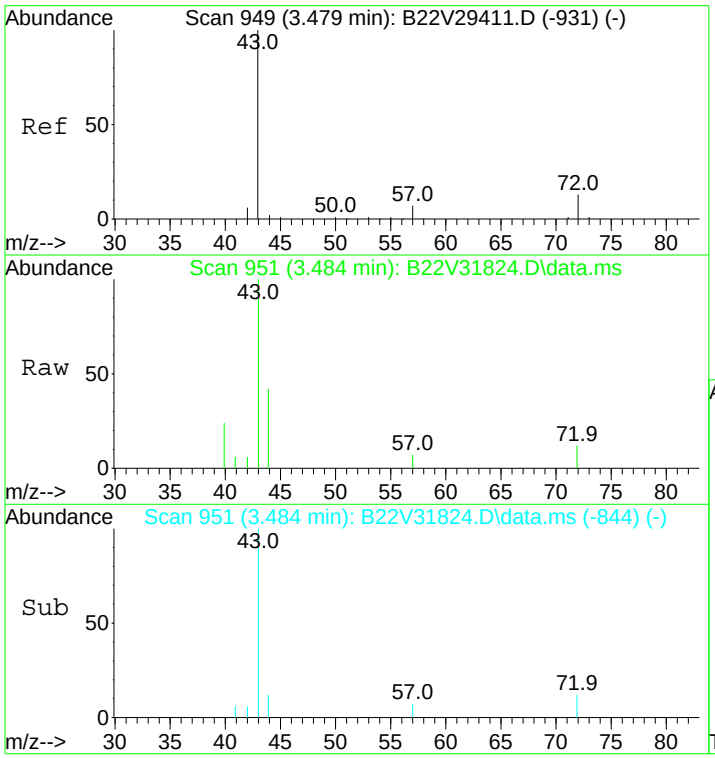
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\Voa2\MSDChem\1\DATA\B111422\
Data File : B22V31824.D
Acq On : 14 Nov 2022 4:26 pm
Operator :
Sample : 22K1604-04 @ 5X Inst : GCMSVOA2
Misc : 5
ALS Vial : 24 Sample Multiplier: 1



Quant Time: Nov 15 07:36:38 2022
Quant Method : C:\MSDCHEM\1\METHODS\B092322W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Mon Oct 03 14:02:43 2022
Response via : Initial Calibration

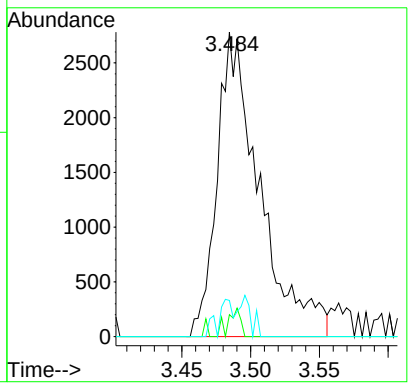


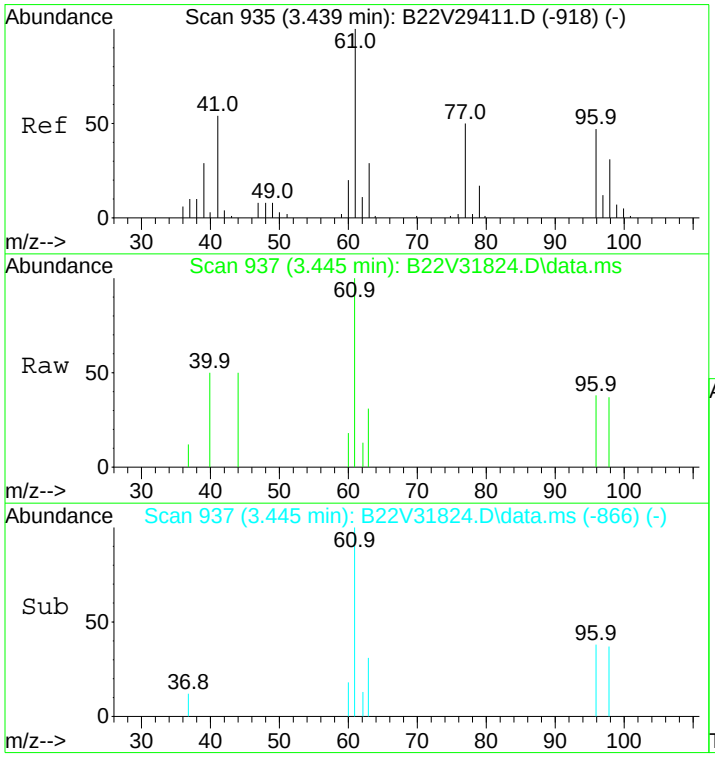



#28
2-BUTANONE
Concen: 2.84 UG/L
RT: 3.484 min Scan# 951
Delta R.T. 0.004 min
Lab File: B22V31824.D
Acq: 14 Nov 2022 4:26 pm

Tgt Ion: 43 Resp: 5961

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 57 | 0.0 | 6.3 | 9.5# |
| 72 | 0.0 | 15.2 | 22.8# |

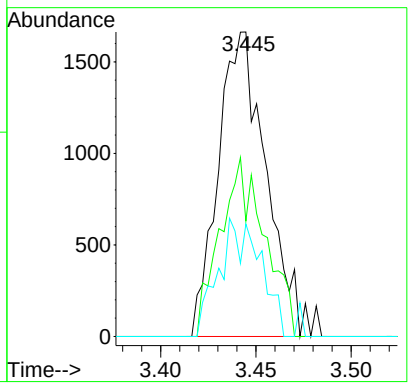


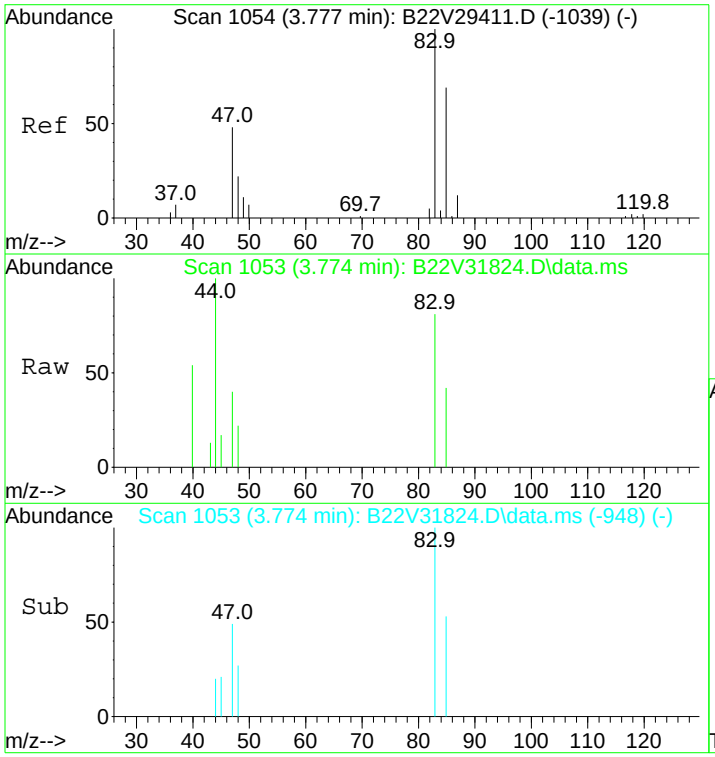




#30
CIS-1,2-DICHLOROETHENE
Concen: 0.55 UG/L
RT: 3.445 min Scan# 937
Delta R.T. 0.002 min
Lab File: B22V31824.D
Acq: 14 Nov 2022 4:26 pm

Tgt Ion: 61 Resp: 2939

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 61 | 100 | | |
| 96 | 54.1 | 42.8 | 64.2 |
| 98 | 33.3 | 27.4 | 41.2 |

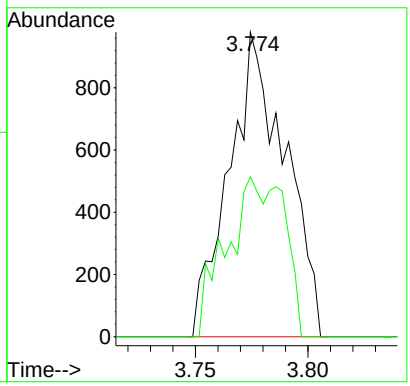


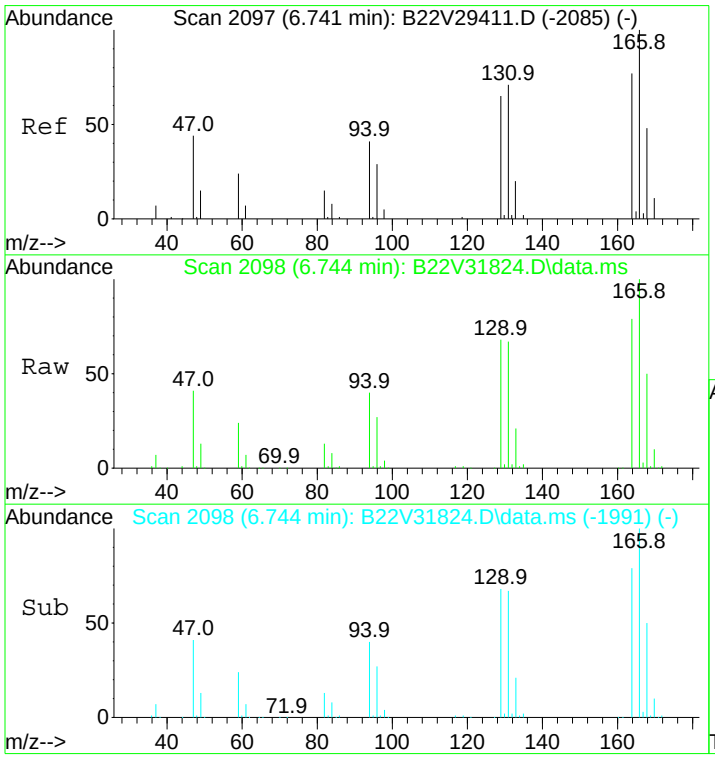



#36
CHLOROFORM
Concen: 0.37 UG/L
RT: 3.774 min Scan# 1053
Delta R.T. -0.001 min
Lab File: B22V31824.D
Acq: 14 Nov 2022 4:26 pm

Tgt Ion: 83 Resp: 1701

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 54.0 | 51.8 | 77.8 |

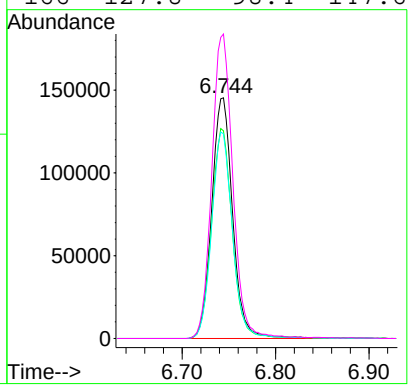



#61
TETRACHLOROETHENE
Concen: 100.01 UG/L
RT: 6.744 min Scan# 2098
Delta R.T. 0.004 min
Lab File: B22V31824.D
Acq: 14 Nov 2022 4:26 pm

Tgt Ion:164 Resp: 226407

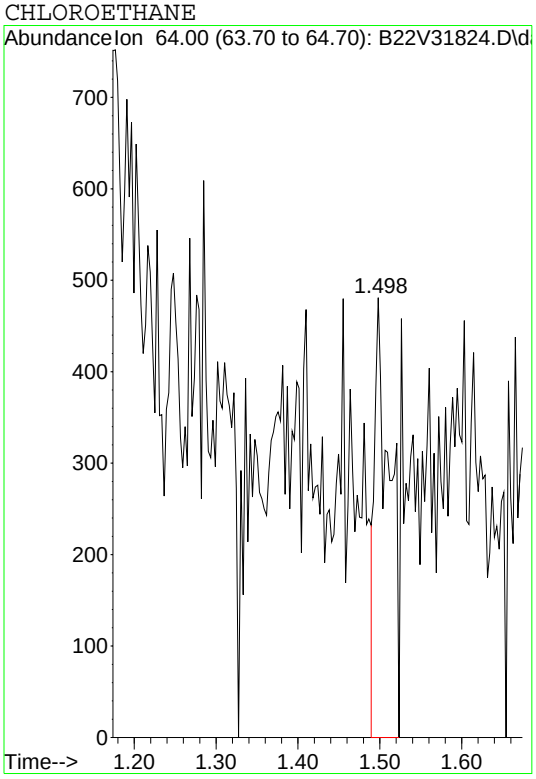
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 129 | 86.8 | 72.9 | 109.3 |
| 131 | 85.3 | 71.8 | 107.6 |
| 166 | 127.8 | 98.4 | 147.6 |



Data Path : \\Voa2\MSDChem\1\DATA\B111422\
Data File : B22V31824.D
Acq On : 14 Nov 2022 4:26 pm
Operator :
Sample : 22K1604-04 @ 5X
Misc : 5

Quant Time : Tue Nov 15 07:36:38 2022
Quant Method : C:\MSDCHEM\1\METHODS\B092322W.M
QLast Update : Mon Oct 03 14:02:43 2022

Original Integration
CHLOROETHANE




Original Int. Results
---

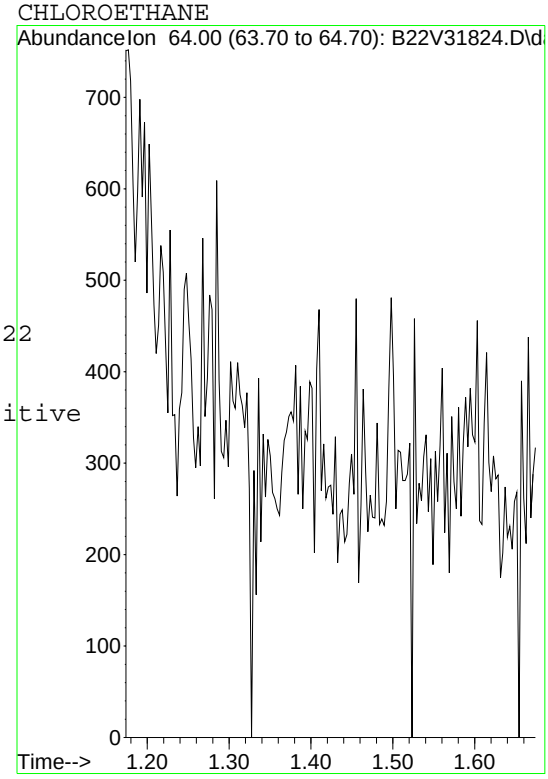
RT : 1.50
Area : 608
Amount: 0.266601

Manual Int. Results
---

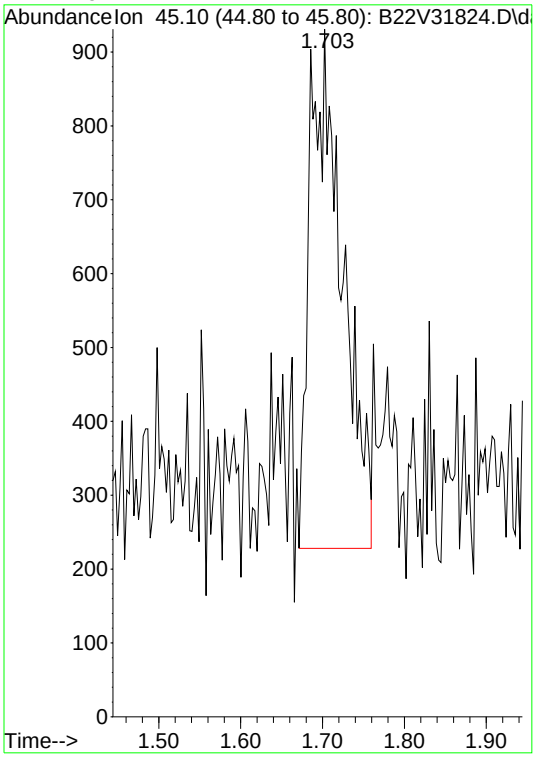
Tue Nov 15 07:36:04 2022

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

Manual Integration
CHLOROETHANE




Original Integration
ETHANOL




Original Int. Results
---

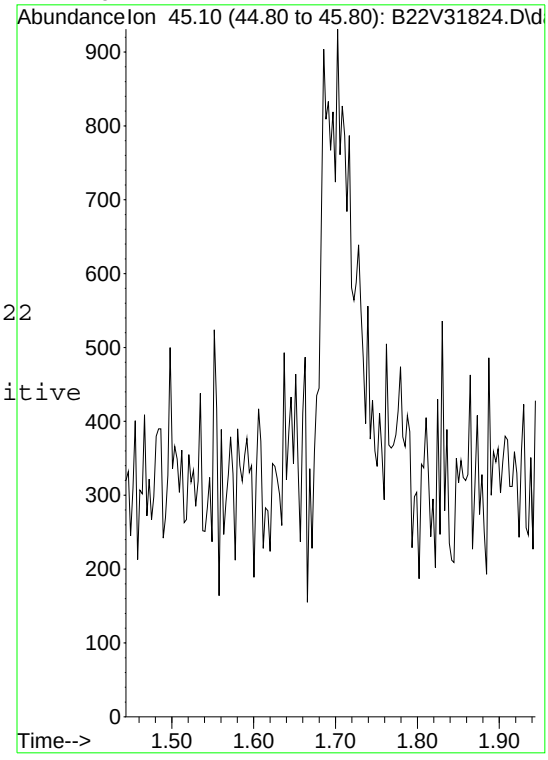
RT : 1.70
Area : 1945
Amount: 26.185

Manual Int. Results
---

Tue Nov 15 07:36:09 2022

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

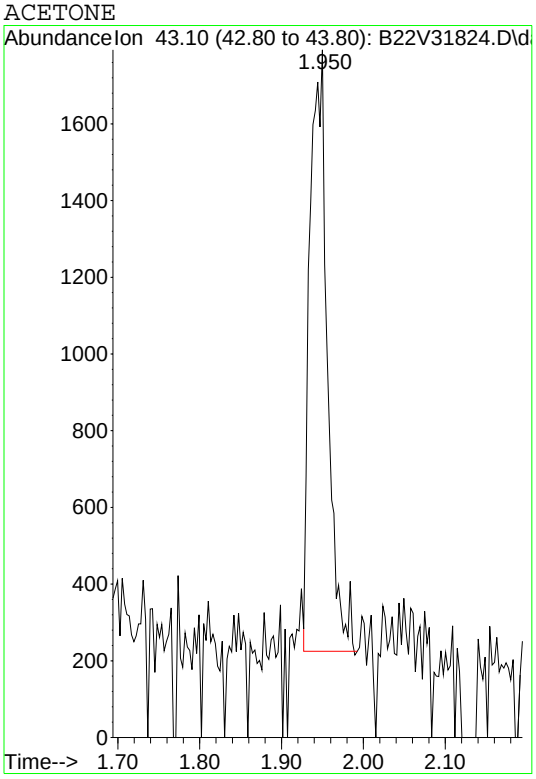
Manual Integration
ETHANOL



Data Path : \\Voa2\MSDChem\1\DATA\B111422\
Data File : B22V31824.D
Acq On : 14 Nov 2022 4:26 pm
Operator :
Sample : 22K1604-04 @ 5X
Misc : 5

Quant Time : Tue Nov 15 07:36:38 2022
Quant Method : C:\MSDCHEM\1\METHODS\B092322W.M
QLast Update : Mon Oct 03 14:02:43 2022

Original Integration
ACETONE




Original Int. Results
---

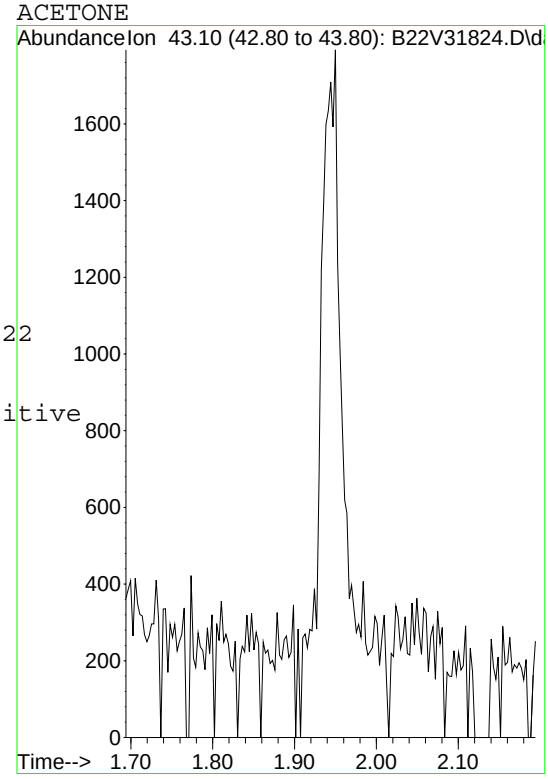
RT : 1.95
Area : 2341
Amount: 1.67073

Manual Int. Results
---

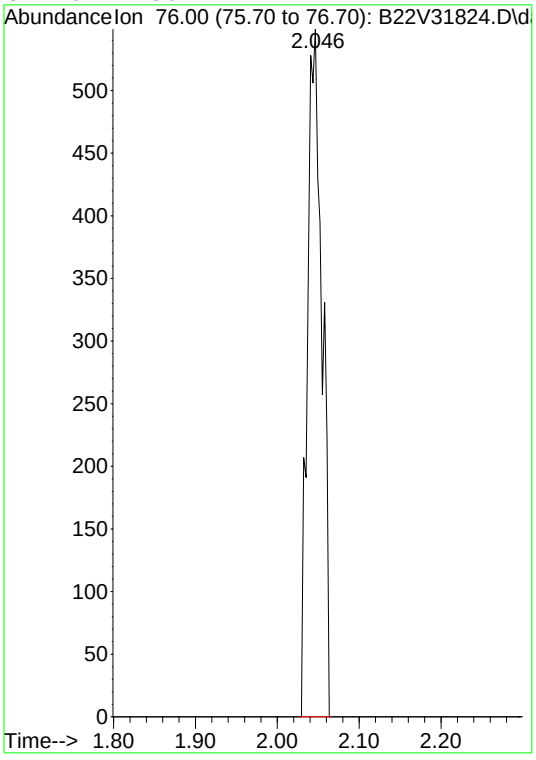
Tue Nov 15 07:36:13 2022

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

Manual Integration
ACETONE




Original Integration
CARBON DISULFIDE




Original Int. Results
---

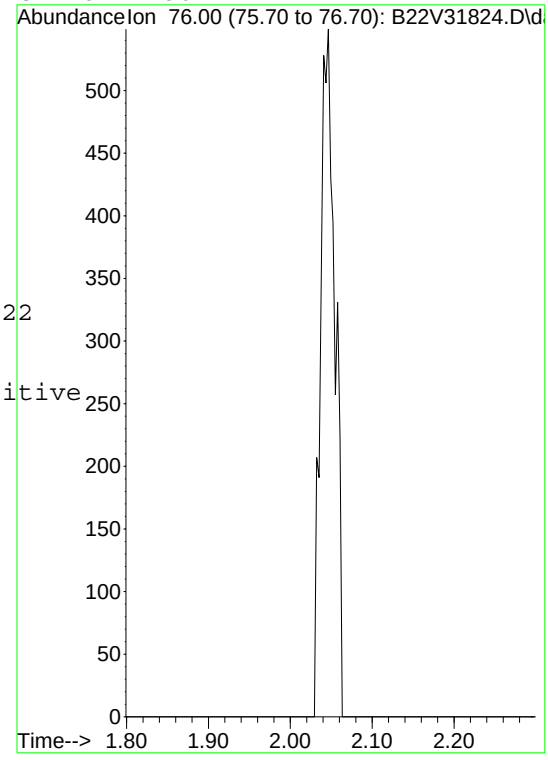
RT : 2.05
Area : 677
Amount: 0.0979657

Manual Int. Results
---

Tue Nov 15 07:36:23 2022

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

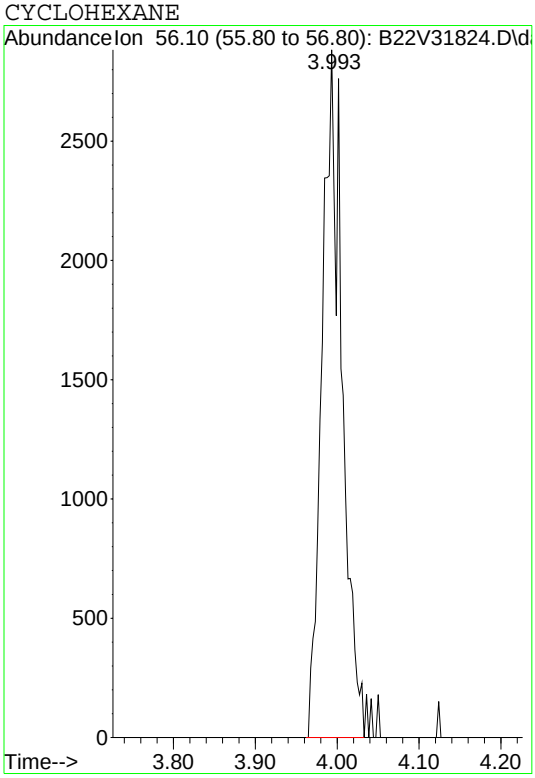
Manual Integration
CARBON DISULFIDE



Data Path : \\Voa2\MSDChem\1\DATA\B111422\
Data File : B22V31824.D
Acq On : 14 Nov 2022 4:26 pm
Operator :
Sample : 22K1604-04 @ 5X
Misc : 5

Quant Time : Tue Nov 15 07:36:38 2022
Quant Method : C:\MSDCHEM\1\METHODS\B092322W.M
QLast Update : Mon Oct 03 14:02:43 2022

Original Integration
CYCLOHEXANE




Original Int. Results
---

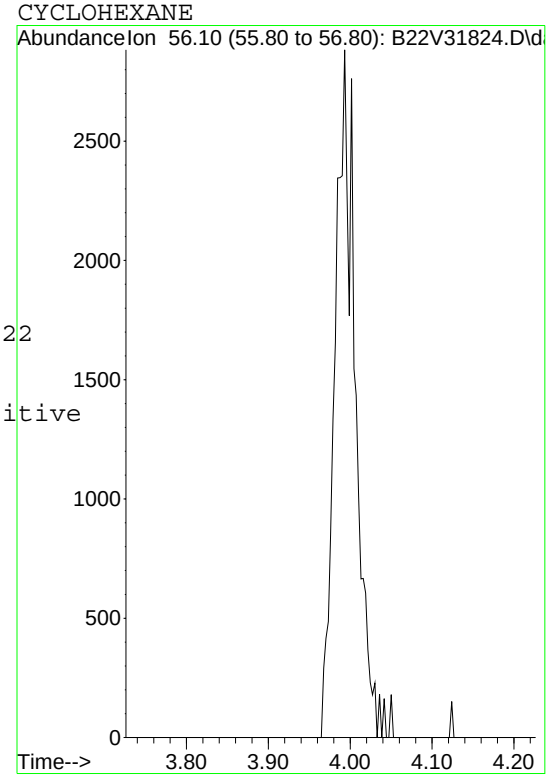
RT : 3.99
Area : 4901
Amount: 0.585994

Manual Int. Results
---

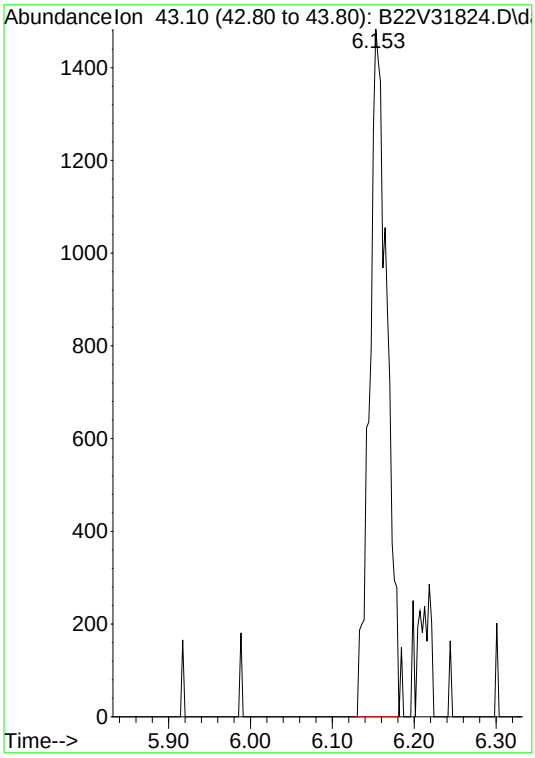
Tue Nov 15 07:36:34 2022

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

Manual Integration
CYCLOHEXANE




Original Integration
MIBK




Original Int. Results
---

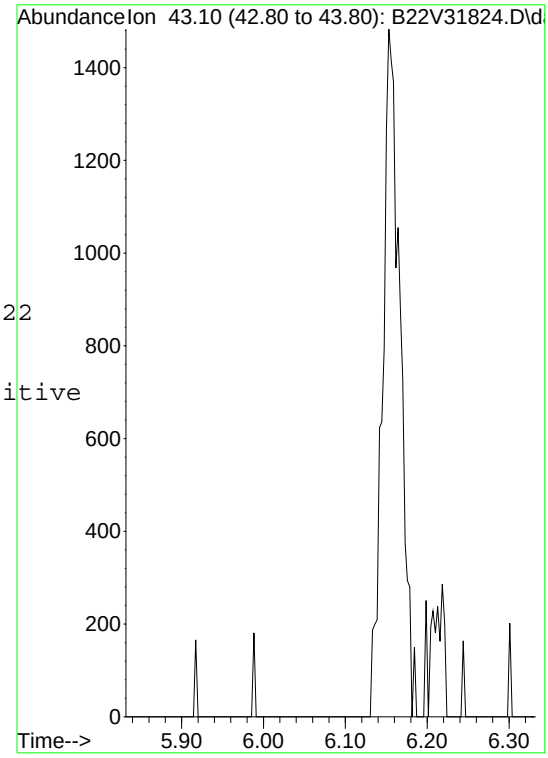
RT : 6.15
Area : 2174
Amount: 0.465724

Manual Int. Results
---

Tue Nov 15 07:36:37 2022

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

Manual Integration
MIBK



# 1 - FORM I
# ANALYSIS DATA SHEET

## DUP

| | | | | | |
|---|---|---|---|---|---|
| Laboratory: | Pace New England | | | Work Order: | 22K1604 |
| Client: | NYDEC_GES - Amherst, NY | | | Project: | 275 Franklin St, Buffalo - CO 144192 |
| Matrix: | Ground Water | Laboratory ID: | 22K1604-05 | File ID: | B22V31825.D |
| Sampled: | 11/09/22 11:35 | Prepared: | 11/14/22 07:02 | Analyzed: | 11/14/22 16:52 |
| Solids: | | Preparation: | SW-846 5030B | Dilution: | 10 |
| Initial/Final: | 5 mL / 5 mL | | | | |
| Batch: | B322925 | Sequence: | S079358 | Calibration: | 2200668 | Instrument: | GCMSVOA2 |

| CAS NO. | COMPOUND | CONC. (µg/L) | MDL | RL | Q |
|---|---|---|---|---|---|
| 67-64-1 | Acetone | | 20 | 500 | |
| 71-43-2 | Benzene | | 2.0 | 10 | |
| 74-97-5 | Bromochloromethane | | 3.1 | 10 | |
| 75-27-4 | Bromodichloromethane | | 1.8 | 5.0 | |
| 75-25-2 | Bromoform | | 3.8 | 10 | |
| 74-83-9 | Bromomethane | | 15 | 20 | V-05 |
| 78-93-3 | 2-Butanone (MEK) | | 16 | 200 | |
| 75-15-0 | Carbon Disulfide | | 14 | 50 | |
| 56-23-5 | Carbon Tetrachloride | | 1.6 | 50 | |
| 108-90-7 | Chlorobenzene | | 1.1 | 10 | |
| 124-48-1 | Chlorodibromomethane | | 2.2 | 5.0 | |
| 75-00-3 | Chloroethane | | 3.2 | 20 | |
| 67-66-3 | Chloroform | | 1.7 | 20 | |
| 74-87-3 | Chloromethane | | 5.2 | 20 | |
| 110-82-7 | Cyclohexane | | 18 | 50 | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane (DBCP) | | 8.0 | 50 | V-05 |
| 106-93-4 | 1,2-Dibromoethane (EDB) | | 1.7 | 5.0 | |
| 95-50-1 | 1,2-Dichlorobenzene | | 1.2 | 10 | |
| 541-73-1 | 1,3-Dichlorobenzene | | 1.2 | 10 | |
| 106-46-7 | 1,4-Dichlorobenzene | | 1.3 | 10 | |
| 75-71-8 | Dichlorodifluoromethane (Freon 12) | | 1.9 | 20 | |
| 75-34-3 | 1,1-Dichloroethane | | 1.4 | 10 | |
| 107-06-2 | 1,2-Dichloroethane | | 3.1 | 10 | |
| 75-35-4 | 1,1-Dichloroethylene | | 1.4 | 10 | |
| 156-59-2 | cis-1,2-Dichloroethylene | 13 | 1.5 | 10 | |
| 156-60-5 | trans-1,2-Dichloroethylene | | 1.7 | 10 | |
| 78-87-5 | 1,2-Dichloropropane | | 1.8 | 10 | |
| 10061-01-5 | cis-1,3-Dichloropropene | | 1.6 | 5.0 | |
| 10061-02-6 | trans-1,3-Dichloropropene | | 1.7 | 5.0 | |
| 123-91-1 | 1,4-Dioxane | | 210 | 500 | |

# 1 - FORM I
# ANALYSIS DATA SHEET

DUP

| | | | | | |
|---|---|---|---|---|---|
| Laboratory: | Pace New England | | | Work Order: | 22K1604 |
| Client: | NYDEC_GES - Amherst, NY | | | Project: | 275 Franklin St, Buffalo - CO 144192 |
| Matrix: | Ground Water | Laboratory ID: | 22K1604-05 | File ID: | B22V31825.D |
| Sampled: | 11/09/22 11:35 | Prepared: | 11/14/22 07:02 | Analyzed: | 11/14/22 16:52 |
| Solids: | | Preparation: | SW-846 5030B | Dilution: | 10 |
| Initial/Final: | 5 mL / 5 mL | | | | |
| Batch: | B322925 | Sequence: | S079358 | Calibration: | 2200668 | Instrument: | GCMSVOA2 |

| CAS NO. | COMPOUND | CONC. (µg/L) | MDL | RL | Q |
|---|---|---|---|---|---|
| 100-41-4 | Ethylbenzene | | 2.1 | 10 | |
| 591-78-6 | 2-Hexanone (MBK) | | 11 | 100 | |
| 98-82-8 | Isopropylbenzene (Cumene) | | 1.1 | 10 | |
| 79-20-9 | Methyl Acetate | | 4.5 | 10 | |
| 1634-04-4 | Methyl tert-Butyl Ether (MTBE) | | 1.7 | 10 | |
| 108-87-2 | Methyl Cyclohexane | | 2.4 | 10 | |
| 75-09-2 | Methylene Chloride | | 2.3 | 50 | |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | | 13 | 100 | |
| 100-42-5 | Styrene | | 1.1 | 10 | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | | 1.3 | 5.0 | |
| 127-18-4 | Tetrachloroethylene | 590 | 1.9 | 10 | |
| 108-88-3 | Toluene | | 2.2 | 10 | |
| 87-61-6 | 1,2,3-Trichlorobenzene | | 3.0 | 50 | |
| 120-82-1 | 1,2,4-Trichlorobenzene | | 2.5 | 10 | |
| 71-55-6 | 1,1,1-Trichloroethane | | 1.7 | 10 | |
| 79-00-5 | 1,1,2-Trichloroethane | | 1.8 | 10 | |
| 79-01-6 | Trichloroethylene | 10 | 1.9 | 10 | |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | | 1.8 | 20 | |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1 | | 2.3 | 10 | |
| 75-01-4 | Vinyl Chloride | | 2.1 | 20 | |
| 1330-20-7 | Xylenes (total) | | 10 | 10 | |

Data Path : \\Voa2\MSDChem\1\DATA\B111422\
Data File : B22V31825.D
Acq On : 14 Nov 2022 4:52 pm
Operator :
Sample : 22K1604-05 @ 10X Inst : GCMSVOA2
Misc : 10
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Nov 15 07:37:26 2022
Quant Method : C:\MSDCHEM\1\METHODS\B092322W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Mon Oct 03 14:02:43 2022
Response via : Initial Calibration

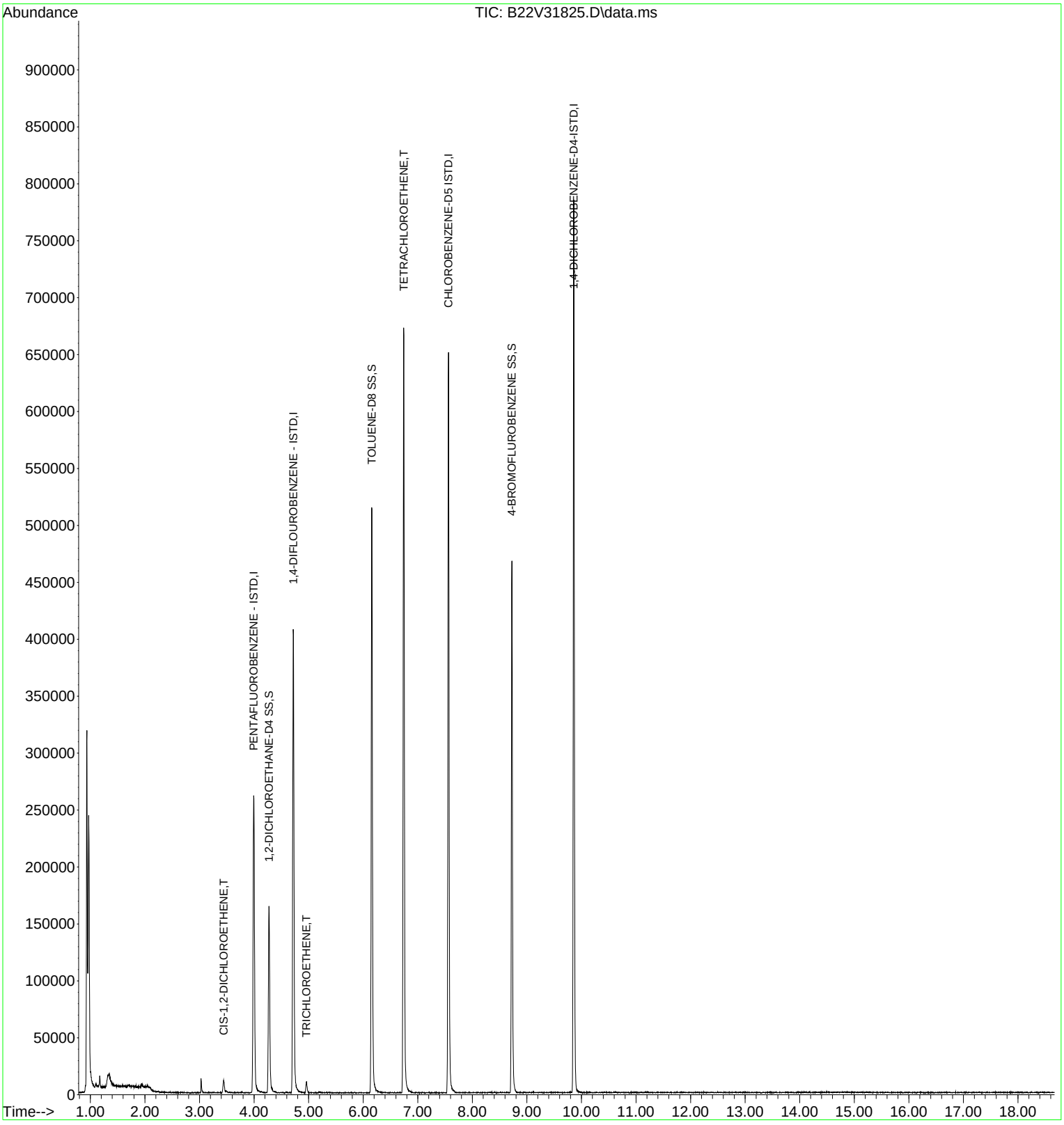
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) PENTAFLUOROBENZENE - ISTD | 3.993 | 168 | 175958 | 30.00 | UG/L | 0.00 |
| 44) 1,4-DIFLOUROBENZENE - ... | 4.718 | 114 | 265258 | 30.00 | UG/L | 0.00 |
| 65) CHLOROBENZENE-D5 ISTD | 7.563 | 82 | 144626 | 30.00 | UG/L | 0.00 |
| 84) 1,4-DICHLOROBENZENE-D4... | 9.859 | 152 | 171555 | 30.00 | UG/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 2) 1,2-DICHLOROETHANE-D4 SS | 4.275 | 65 | 100133 | 24.64 | UG/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 98.56% | | | |
| 45) TOLUENE-D8 SS | 6.159 | 98 | 269114 | 24.59 | UG/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 98.36% | | | |
| 66) 4-BROMOFLUROBENZENE SS | 8.725 | 95 | 117737 | 25.39 | UG/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 101.56% | | | |
| Target Compounds | | | | | | Qvalue |
| 30) CIS-1,2-DICHLOROETHENE | 3.442 | 61 | 6829 | 1.28 | UG/L | 99 |
| 47) TRICHLOROETHENE | 4.959 | 95 | 2671 | 1.04 | UG/L | 93 |
| 61) TETRACHLOROETHENE | 6.744 | 164 | 136907 | 58.93 | UG/L | 95 |

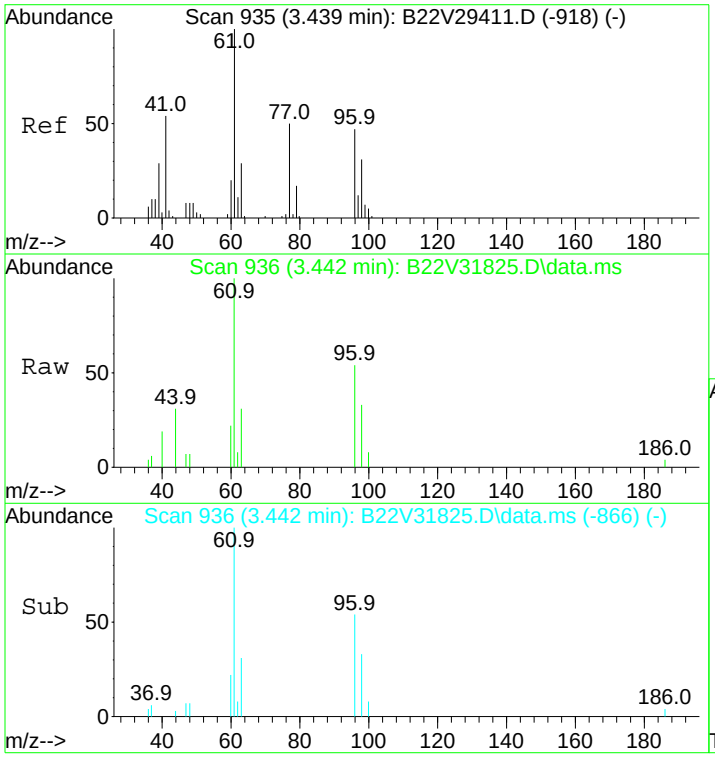
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\Voa2\MSDChem\1\DATA\B111422\
Data File : B22V31825.D
Acq On : 14 Nov 2022 4:52 pm
Operator :
Sample : 22K1604-05 @ 10X Inst : GCMSVOA2
Misc : 10
ALS Vial : 25 Sample Multiplier: 1



Quant Time: Nov 15 07:37:26 2022
Quant Method : C:\MSDCHEM\1\METHODS\B092322W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Mon Oct 03 14:02:43 2022
Response via : Initial Calibration

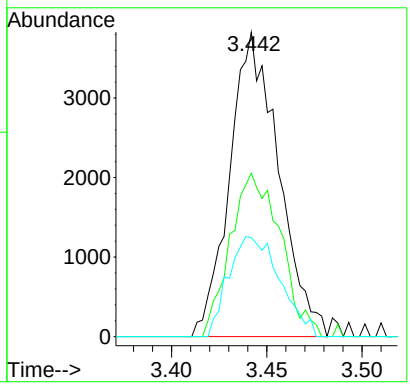


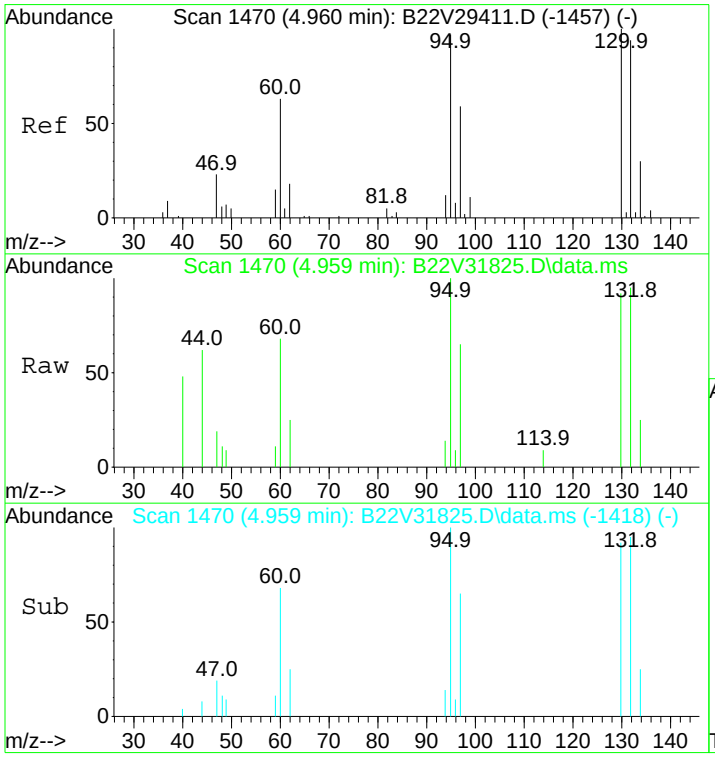



#30
CIS-1,2-DICHLOROETHENE
Concen: 1.28 UG/L
RT: 3.442 min Scan# 936
Delta R.T. -0.001 min
Lab File: B22V31825.D
Acq: 14 Nov 2022 4:52 pm

Tgt Ion: 61 Resp: 6829

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 61 | 100 | | |
| 96 | 55.0 | 42.8 | 64.2 |
| 98 | 34.6 | 27.4 | 41.2 |

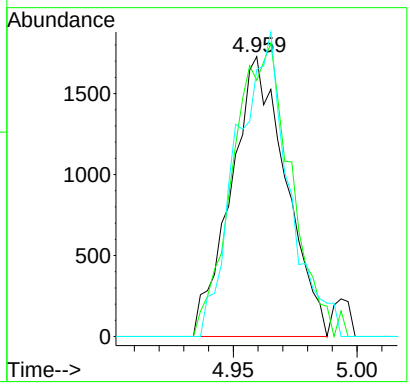


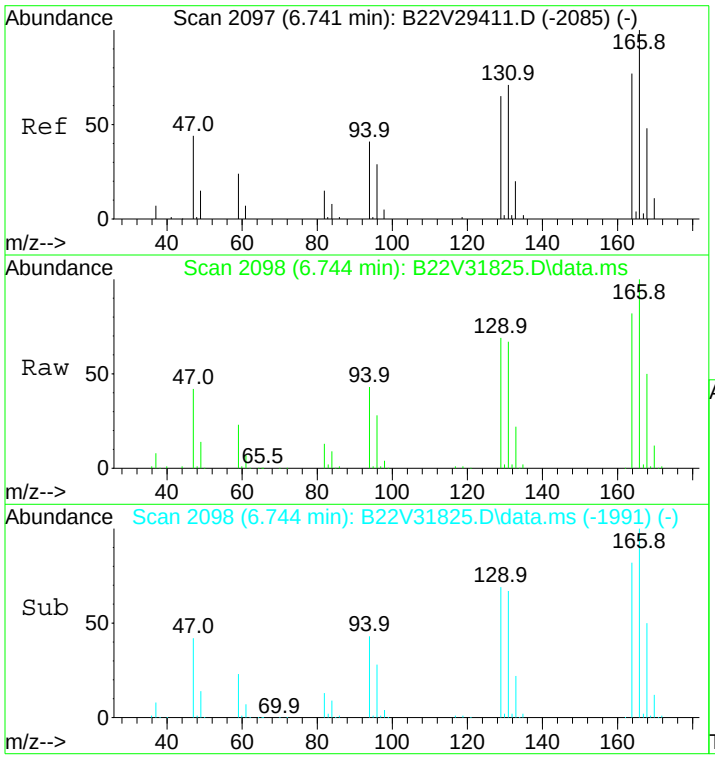




#47
TRICHLOROETHENE
Concen: 1.04 UG/L
RT: 4.959 min Scan# 1470
Delta R.T. -0.002 min
Lab File: B22V31825.D
Acq: 14 Nov 2022 4:52 pm

Tgt Ion: 95 Resp: 2671

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 130 | 110.1 | 79.3 | 118.9 |
| 132 | 103.0 | 80.6 | 121.0 |

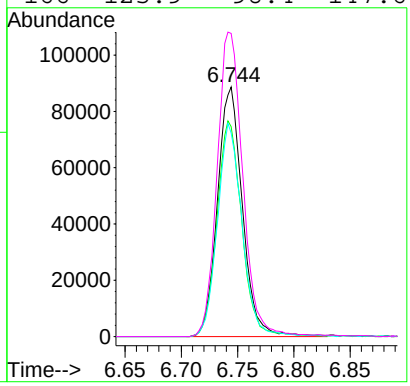





#61
TETRACHLOROETHENE
Concen: 58.93 UG/L
RT: 6.744 min Scan# 2098
Delta R.T. 0.004 min
Lab File: B22V31825.D
Acq: 14 Nov 2022 4:52 pm

Tgt Ion:164 Resp: 136907

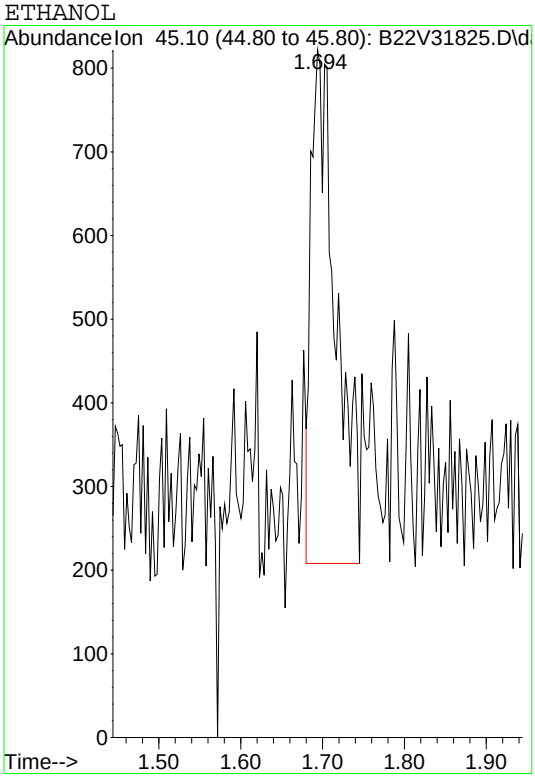
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 129 | 86.1 | 72.9 | 109.3 |
| 131 | 83.5 | 71.8 | 107.6 |
| 166 | 125.9 | 98.4 | 147.6 |



Data Path : \\Voa2\MSDChem\1\DATA\B111422\
Data File : B22V31825.D
Acq On : 14 Nov 2022 4:52 pm
Operator :
Sample : 22K1604-05 @ 10X
Misc : 10

Quant Time : Tue Nov 15 07:37:26 2022
Quant Method : C:\MSDCHEM\1\METHODS\B092322W.M
QLast Update : Mon Oct 03 14:02:43 2022

Original Integration
ETHANOL




Original Int. Results
---

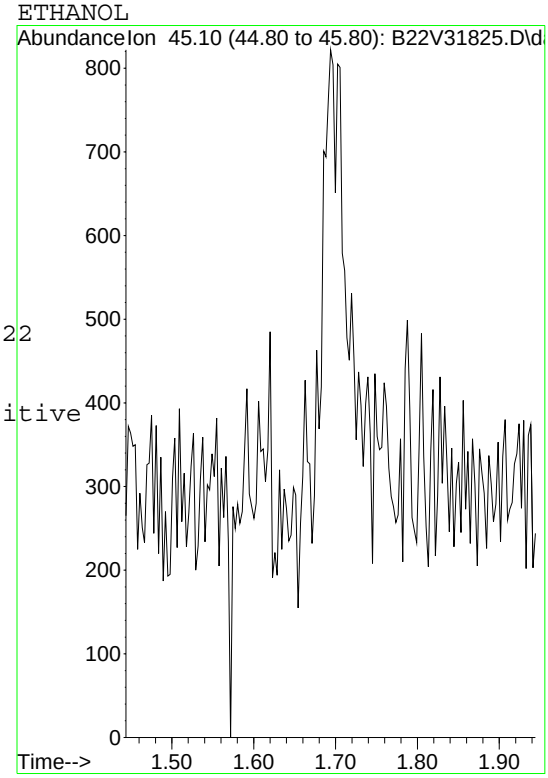
RT : 1.69
Area : 1303
Amount: 17.55

Manual Int. Results
---

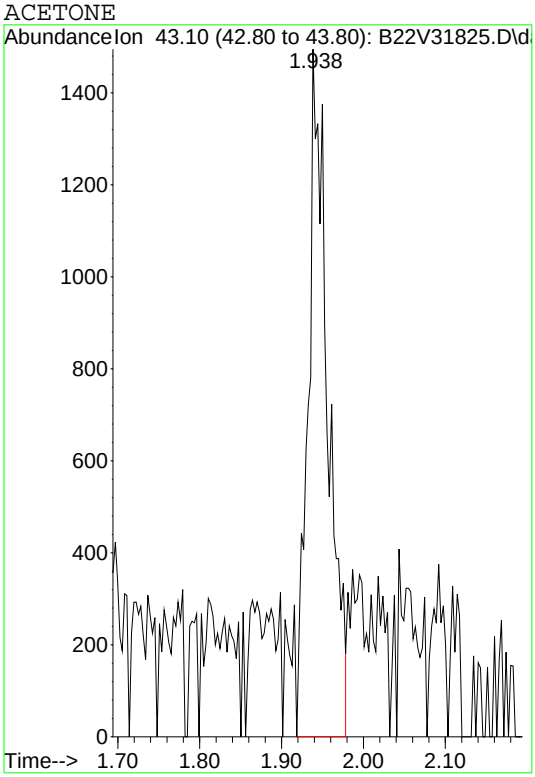
Tue Nov 15 07:36:55 2022

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

Manual Integration
ETHANOL




Original Integration
ACETONE




Original Int. Results
---

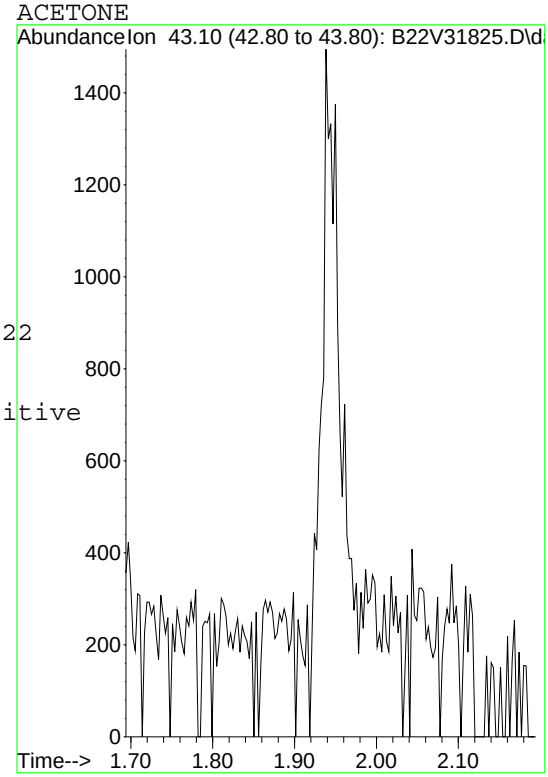
RT : 1.94
Area : 2493
Amount: 1.78002

Manual Int. Results
---

Tue Nov 15 07:36:59 2022

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

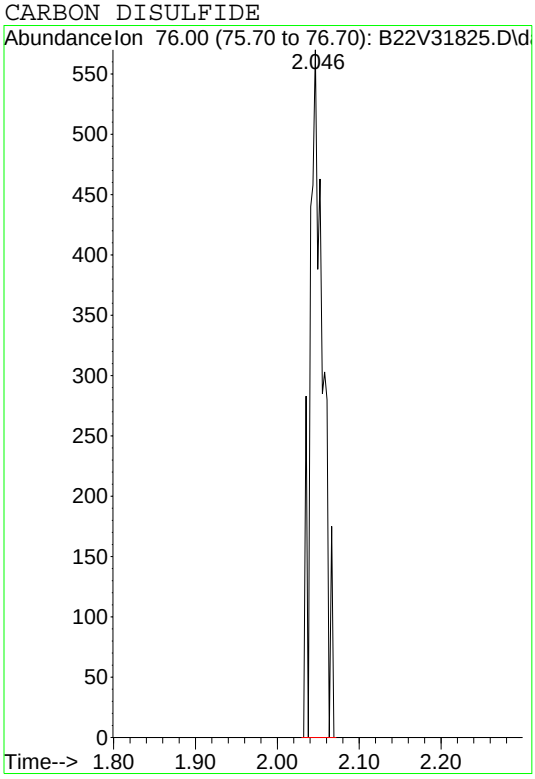
Manual Integration
ACETONE



Data Path : \\Voa2\MSDChem\1\DATA\B111422\
Data File : B22V31825.D
Acq On : 14 Nov 2022 4:52 pm
Operator :
Sample : 22K1604-05 @ 10X
Misc : 10

Quant Time : Tue Nov 15 07:37:26 2022
Quant Method : C:\MSDCHEM\1\METHODS\B092322W.M
QLast Update : Mon Oct 03 14:02:43 2022

Original Integration
CARBON DISULFIDE




Original Int. Results
---

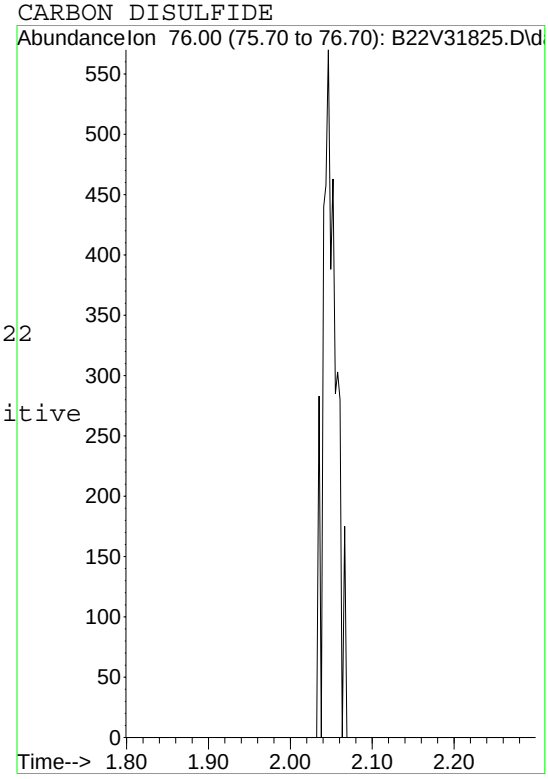
RT : 2.05
Area : 622
Amount: 0.0900483

Manual Int. Results
---

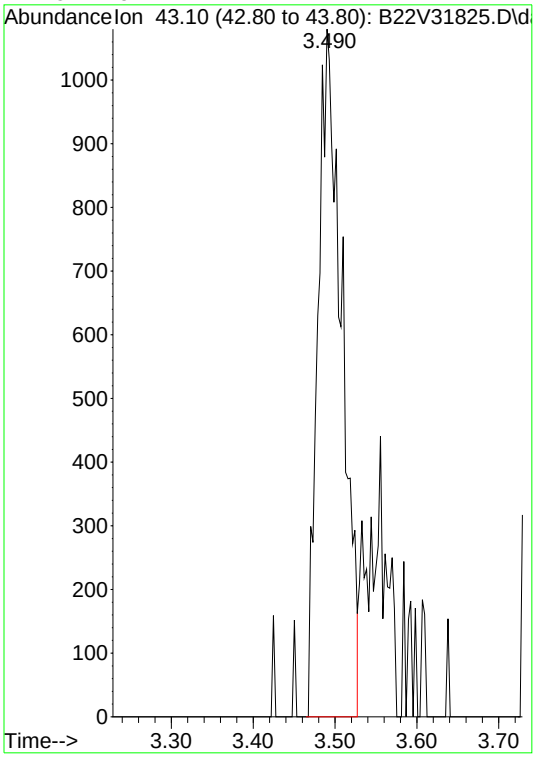
Tue Nov 15 07:37:02 2022

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

Manual Integration
CARBON DISULFIDE




Original Integration
2-BUTANONE




Original Int. Results
---

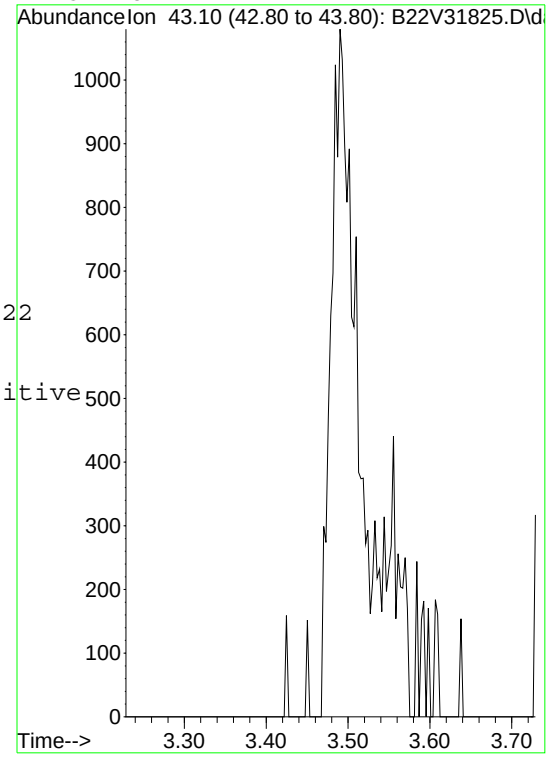
RT : 3.49
Area : 2189
Amount: 1.04486

Manual Int. Results
---

Tue Nov 15 07:37:06 2022

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

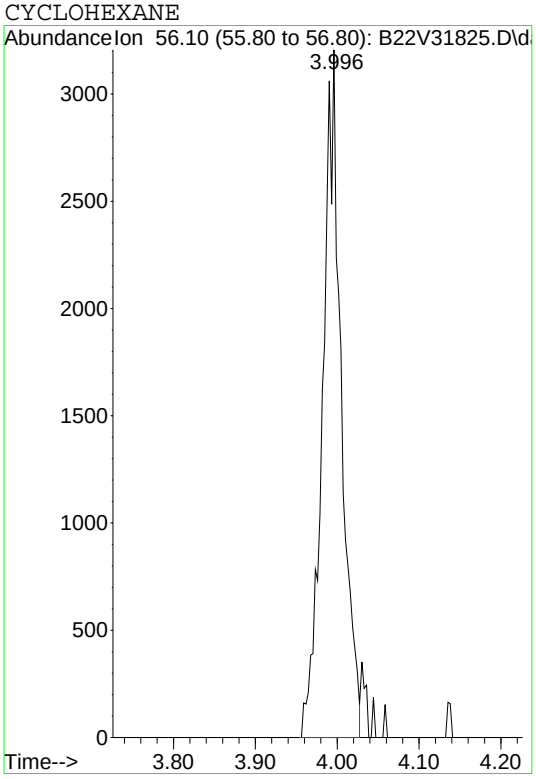
Manual Integration
2-BUTANONE



Data Path : \\Voa2\MSDChem\1\DATA\B111422\
Data File : B22V31825.D
Acq On : 14 Nov 2022 4:52 pm
Operator :
Sample : 22K1604-05 @ 10X
Misc : 10

Quant Time : Tue Nov 15 07:37:26 2022
Quant Method : C:\MSDCHEM\1\METHODS\B092322W.M
QLast Update : Mon Oct 03 14:02:43 2022

Original Integration
CYCLOHEXANE




Original Int. Results
---

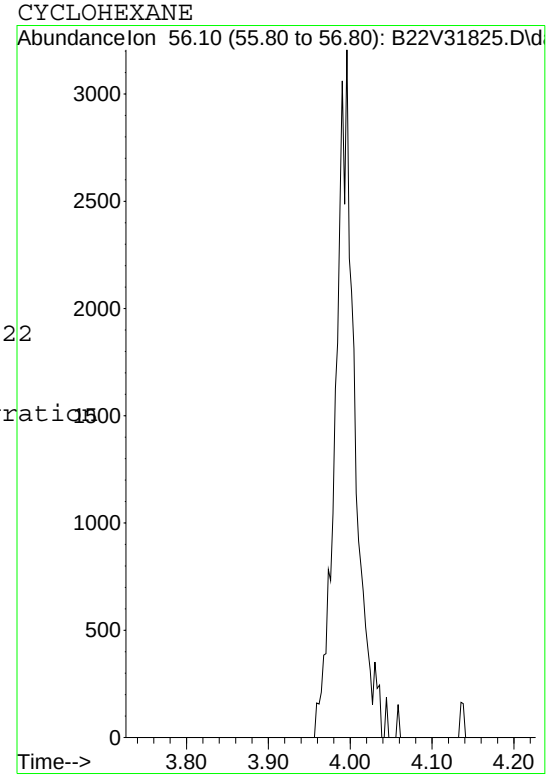
RT : 4.00
Area : 5052
Amount: 0.604327

Manual Int. Results
---

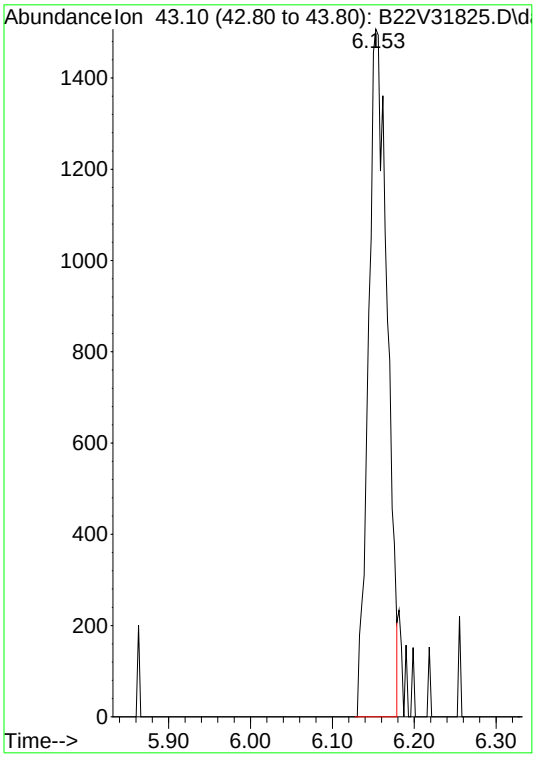
Tue Nov 15 07:37:12 2022

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

Manual Integration
CYCLOHEXANE




Original Integration
MIBK




Original Int. Results
---

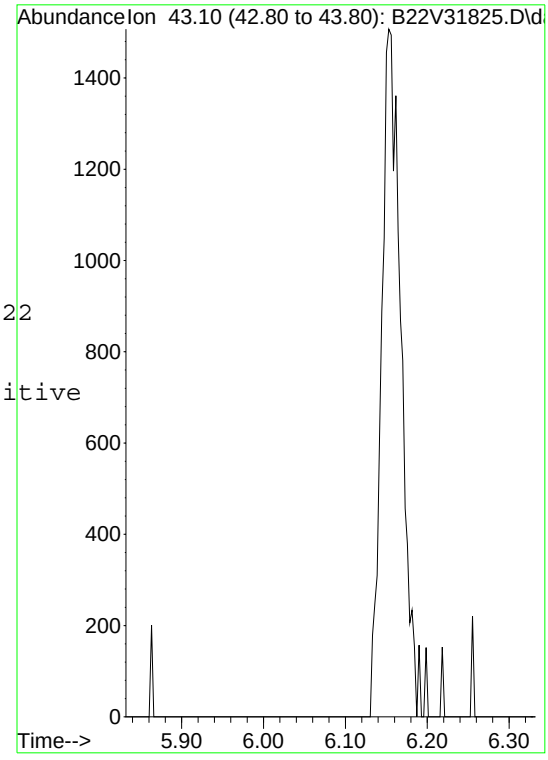
RT : 6.15
Area : 2397
Amount: 0.500417

Manual Int. Results
---

Tue Nov 15 07:37:25 2022

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

Manual Integration
MIBK



# 1 - FORM I
# ANALYSIS DATA SHEET

## Trip Blank

| | | | | | |
|---|---|---|---|---|---|
| Laboratory: | Pace New England | | | Work Order: | 22K1604 |
| Client: | NYDEC_GES - Amherst, NY | | | Project: | 275 Franklin St, Buffalo - CO 144192 |
| Matrix: | Ground Water | Laboratory ID: | 22K1604-06 | File ID: | B22V31811.D |
| Sampled: | 11/09/22 00:00 | Prepared: | 11/14/22 07:02 | Analyzed: | 11/14/22 10:46 |
| Solids: | | Preparation: | SW-846 5030B | Dilution: | 1 |
| Initial/Final: | 5 mL / 5 mL | | | | |
| Batch: | B322925 | Sequence: | S079358 | Calibration: | 2200668 | Instrument: | GCMSVOA2 |

| CAS NO. | COMPOUND | CONC. (µg/L) | MDL | RL | Q |
|---|---|---|---|---|---|
| 67-64-1 | Acetone | | 2.0 | 50 | |
| 71-43-2 | Benzene | | 0.20 | 1.0 | |
| 74-97-5 | Bromochloromethane | | 0.31 | 1.0 | |
| 75-27-4 | Bromodichloromethane | | 0.18 | 0.50 | |
| 75-25-2 | Bromoform | | 0.38 | 1.0 | |
| 74-83-9 | Bromomethane | | 1.5 | 2.0 | V-05 |
| 78-93-3 | 2-Butanone (MEK) | | 1.6 | 20 | |
| 75-15-0 | Carbon Disulfide | | 1.4 | 5.0 | |
| 56-23-5 | Carbon Tetrachloride | | 0.16 | 5.0 | |
| 108-90-7 | Chlorobenzene | | 0.11 | 1.0 | |
| 124-48-1 | Chlorodibromomethane | | 0.22 | 0.50 | |
| 75-00-3 | Chloroethane | | 0.32 | 2.0 | |
| 67-66-3 | Chloroform | 0.82 | 0.17 | 2.0 | J |
| 74-87-3 | Chloromethane | | 0.52 | 2.0 | |
| 110-82-7 | Cyclohexane | | 1.8 | 5.0 | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane (DBCP) | | 0.80 | 5.0 | V-05 |
| 106-93-4 | 1,2-Dibromoethane (EDB) | | 0.17 | 0.50 | |
| 95-50-1 | 1,2-Dichlorobenzene | | 0.12 | 1.0 | |
| 541-73-1 | 1,3-Dichlorobenzene | | 0.12 | 1.0 | |
| 106-46-7 | 1,4-Dichlorobenzene | | 0.13 | 1.0 | |
| 75-71-8 | Dichlorodifluoromethane (Freon 12) | | 0.19 | 2.0 | |
| 75-34-3 | 1,1-Dichloroethane | | 0.14 | 1.0 | |
| 107-06-2 | 1,2-Dichloroethane | | 0.31 | 1.0 | |
| 75-35-4 | 1,1-Dichloroethylene | | 0.14 | 1.0 | |
| 156-59-2 | cis-1,2-Dichloroethylene | | 0.15 | 1.0 | |
| 156-60-5 | trans-1,2-Dichloroethylene | | 0.17 | 1.0 | |
| 78-87-5 | 1,2-Dichloropropane | | 0.18 | 1.0 | |
| 10061-01-5 | cis-1,3-Dichloropropene | | 0.16 | 0.50 | |
| 10061-02-6 | trans-1,3-Dichloropropene | | 0.17 | 0.50 | |
| 123-91-1 | 1,4-Dioxane | | 21 | 50 | |

# 1 - FORM I
# ANALYSIS DATA SHEET

## Trip Blank

| | | | | | |
|---|---|---|---|---|---|
| Laboratory: | Pace New England | | | Work Order: | 22K1604 |
| Client: | NYDEC_GES - Amherst, NY | | | Project: | 275 Franklin St, Buffalo - CO 144192 |
| Matrix: | Ground Water | Laboratory ID: | 22K1604-06 | File ID: | B22V31811.D |
| Sampled: | 11/09/22 00:00 | Prepared: | 11/14/22 07:02 | Analyzed: | 11/14/22 10:46 |
| Solids: | | Preparation: | SW-846 5030B | Dilution: | 1 |
| Initial/Final: | 5 mL / 5 mL | | | | |
| Batch: | B322925 | Sequence: | S079358 | Calibration: | 2200668 | Instrument: | GCMSVOA2 |

| CAS NO. | COMPOUND | CONC. (µg/L) | MDL | RL | Q |
|---|---|---|---|---|---|
| 100-41-4 | Ethylbenzene | | 0.21 | 1.0 | |
| 591-78-6 | 2-Hexanone (MBK) | | 1.1 | 10 | |
| 98-82-8 | Isopropylbenzene (Cumene) | | 0.11 | 1.0 | |
| 79-20-9 | Methyl Acetate | | 0.45 | 1.0 | |
| 1634-04-4 | Methyl tert-Butyl Ether (MTBE) | | 0.17 | 1.0 | |
| 108-87-2 | Methyl Cyclohexane | | 0.24 | 1.0 | |
| 75-09-2 | Methylene Chloride | | 0.23 | 5.0 | |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | | 1.3 | 10 | |
| 100-42-5 | Styrene | | 0.11 | 1.0 | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | | 0.13 | 0.50 | |
| 127-18-4 | Tetrachloroethylene | | 0.19 | 1.0 | |
| 108-88-3 | Toluene | | 0.22 | 1.0 | |
| 87-61-6 | 1,2,3-Trichlorobenzene | | 0.30 | 5.0 | |
| 120-82-1 | 1,2,4-Trichlorobenzene | | 0.25 | 1.0 | |
| 71-55-6 | 1,1,1-Trichloroethane | | 0.17 | 1.0 | |
| 79-00-5 | 1,1,2-Trichloroethane | | 0.18 | 1.0 | |
| 79-01-6 | Trichloroethylene | | 0.19 | 1.0 | |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | | 0.18 | 2.0 | |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1 | | 0.23 | 1.0 | |
| 75-01-4 | Vinyl Chloride | | 0.21 | 2.0 | |
| 1330-20-7 | Xylenes (total) | | 1.0 | 1.0 | |

Data Path : \\Voa2\MSDChem\1\DATA\B111422\
Data File : B22V31811.D
Acq On : 14 Nov 2022 10:46 am
Operator :
Sample : 22K1604-06 Inst : GCMSVOA2
Misc :
ALS Vial : 11 Sample Multiplier: 1



Quant Time: Nov 15 07:17:08 2022
Quant Method : C:\MSDCHEM\1\METHODS\B092322W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Mon Oct 03 14:02:43 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) PENTAFLUOROBENZENE - ISTD | 3.993 | 168 | 177167 | 30.00 | UG/L | 0.00 |
| 44) 1,4-DIFLOUROBENZENE - ... | 4.718 | 114 | 262976 | 30.00 | UG/L | 0.00 |
| 65) CHLOROBENZENE-D5 ISTD | 7.563 | 82 | 143119 | 30.00 | UG/L | 0.00 |
| 84) 1,4-DICHLOROBENZENE-D4... | 9.859 | 152 | 168006 | 30.00 | UG/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 2) 1,2-DICHLOROETHANE-D4 SS | 4.272 | 65 | 98985 | 24.19 | UG/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 96.76% | | | |
| 45) TOLUENE-D8 SS | 6.159 | 98 | 266905 | 24.60 | UG/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 98.40% | | | |
| 66) 4-BROMOFLUROBENZENE SS | 8.722 | 95 | 115216 | 25.11 | UG/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 100.44% | | | |
| Target Compounds | | | | | | Qvalue |
| 36) CHLOROFORM | 3.774 | 83 | 3834 | 0.82 | UG/L | 96 |

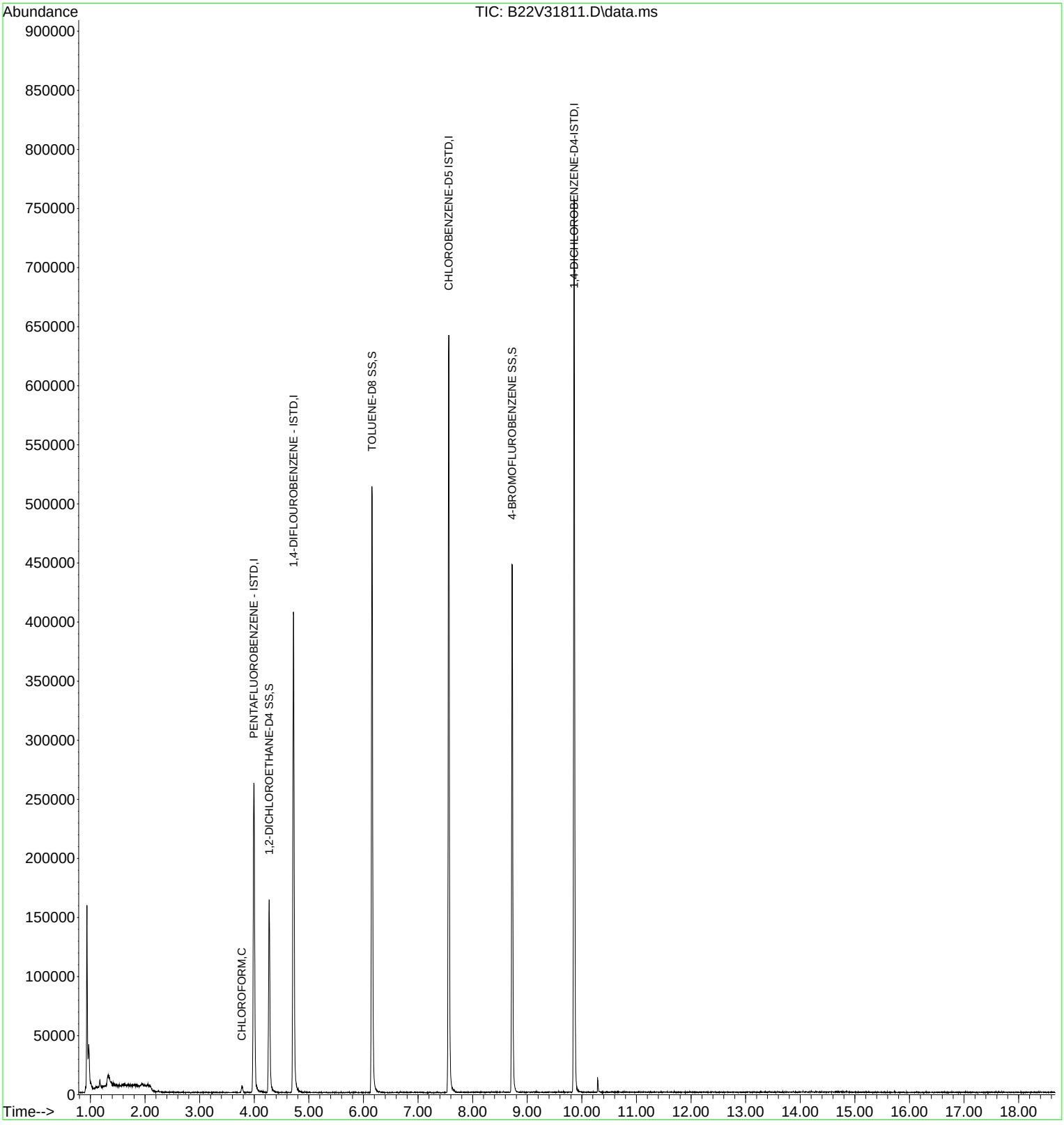
(#) = qualifier out of range (m) = manual integration (+) = signals summed

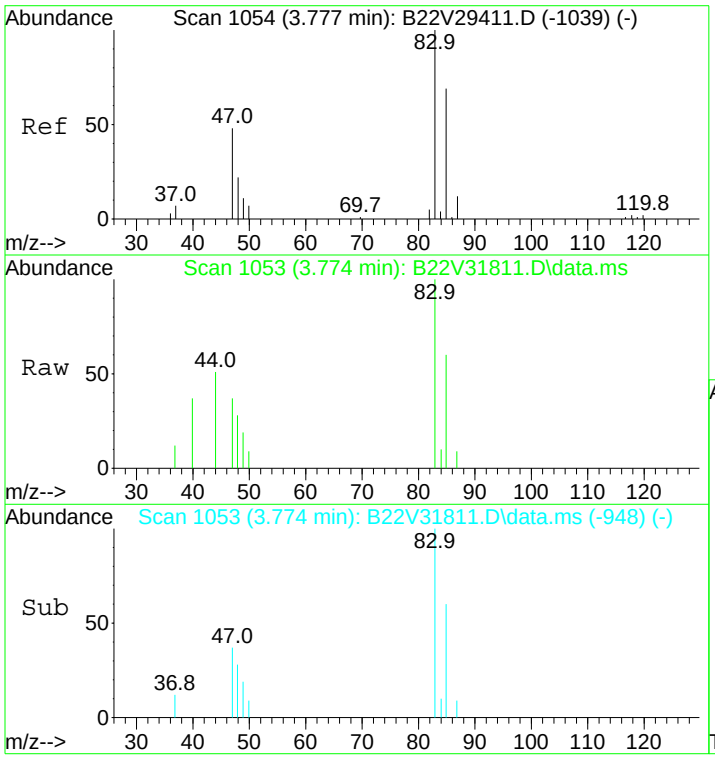
Quantitation Report (QT Reviewed)

Data Path : \\Voa2\MSDChem\1\DATA\B111422\
Data File : B22V31811.D
Acq On : 14 Nov 2022 10:46 am
Operator :
Sample : 22K1604-06 Inst : GCMSVOA2
Misc :
ALS Vial : 11 Sample Multiplier: 1



Quant Time: Nov 15 07:17:08 2022
Quant Method : C:\MSDCHEM\1\METHODS\B092322W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Mon Oct 03 14:02:43 2022
Response via : Initial Calibration

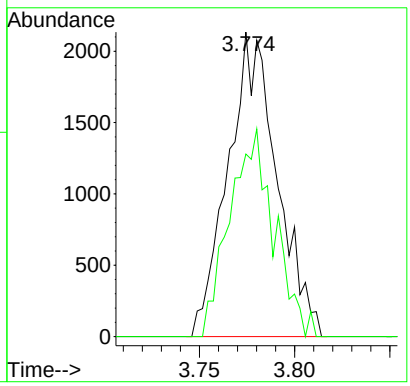





#36
CHLOROFORM
Concen: 0.82 UG/L
RT: 3.774 min Scan# 1053
Delta R.T. -0.001 min
Lab File: B22V31811.D
Acq: 14 Nov 2022 10:46 am

Tgt Ion: 83 Resp: 3834

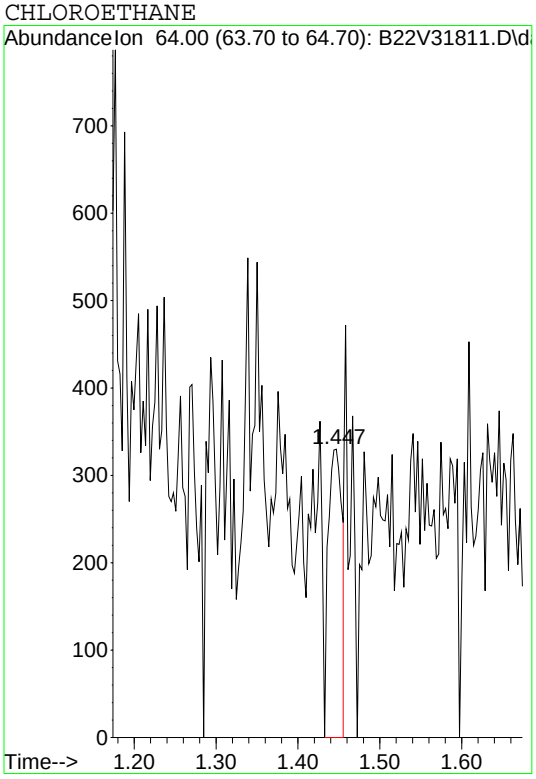
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 61.5 | 51.8 | 77.8 |



Data Path : \\Voa2\MSDChem\1\DATA\B111422\
Data File : B22V31811.D
Acq On : 14 Nov 2022 10:46 am
Operator :
Sample : 22K1604-06
Misc :

Quant Time : Tue Nov 15 07:17:08 2022
Quant Method : C:\MSDCHEM\1\METHODS\B092322W.M
QLast Update : Mon Oct 03 14:02:43 2022

Original Integration
CHLOROETHANE




Original Int. Results
---

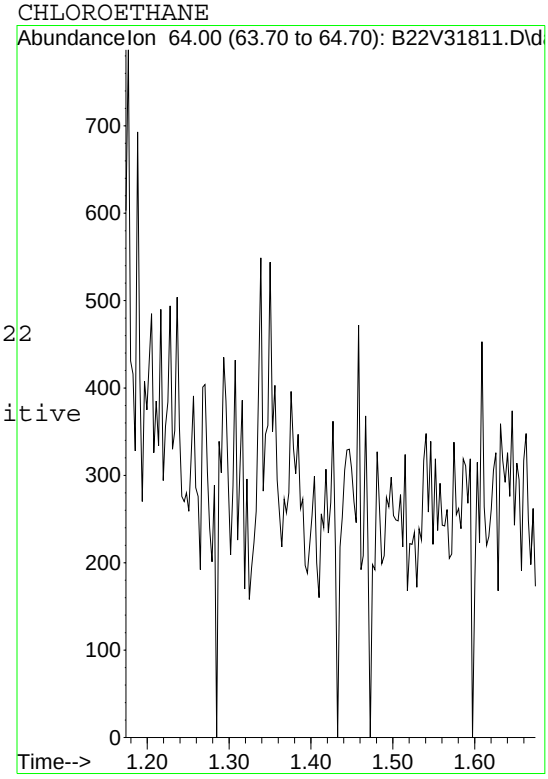
RT : 1.45
Area : 385
Amount: 0.167743

Manual Int. Results
---

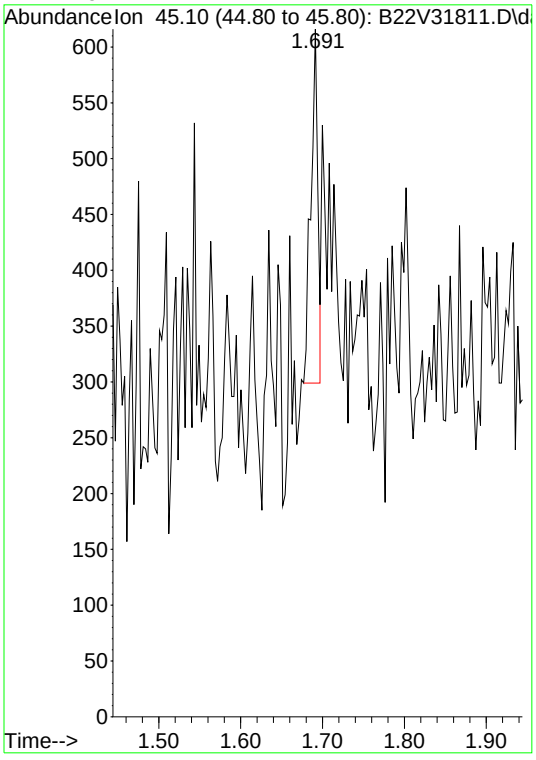
Tue Nov 15 07:16:44 2022

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

Manual Integration
CHLOROETHANE




Original Integration
ETHANOL




Original Int. Results
---

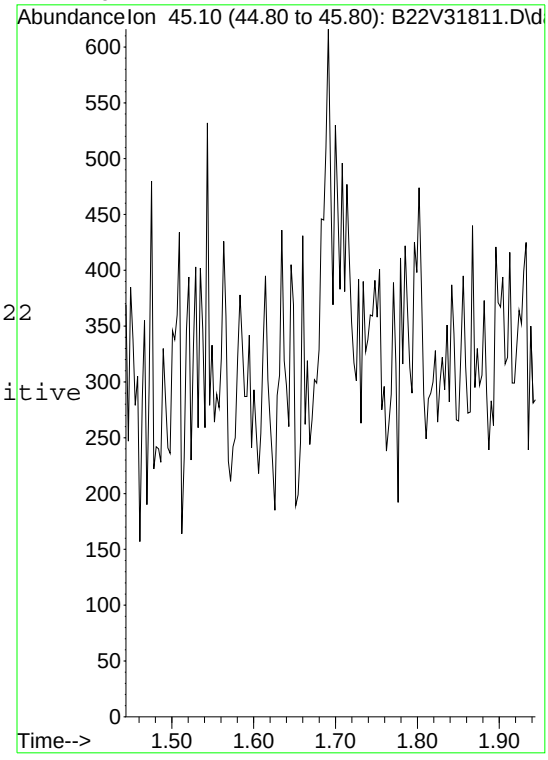
RT : 1.69
Area : 187
Amount: 2.5015

Manual Int. Results
---

Tue Nov 15 07:16:47 2022

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

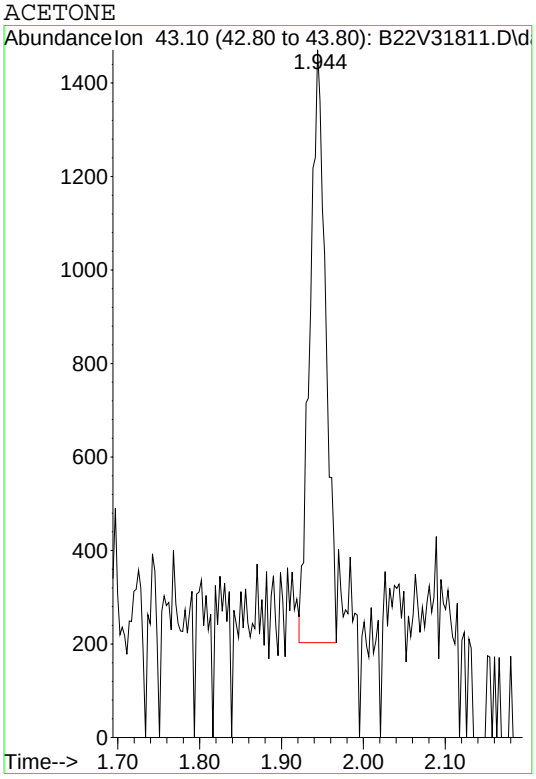
Manual Integration
ETHANOL



Data Path : \\Voa2\MSDChem\1\DATA\B111422\
Data File : B22V31811.D
Acq On : 14 Nov 2022 10:46 am
Operator :
Sample : 22K1604-06
Misc :

Quant Time : Tue Nov 15 07:17:08 2022
Quant Method : C:\MSDCHEM\1\METHODS\B092322W.M
QLast Update : Mon Oct 03 14:02:43 2022

Original Integration
ACETONE




Original Int. Results
---

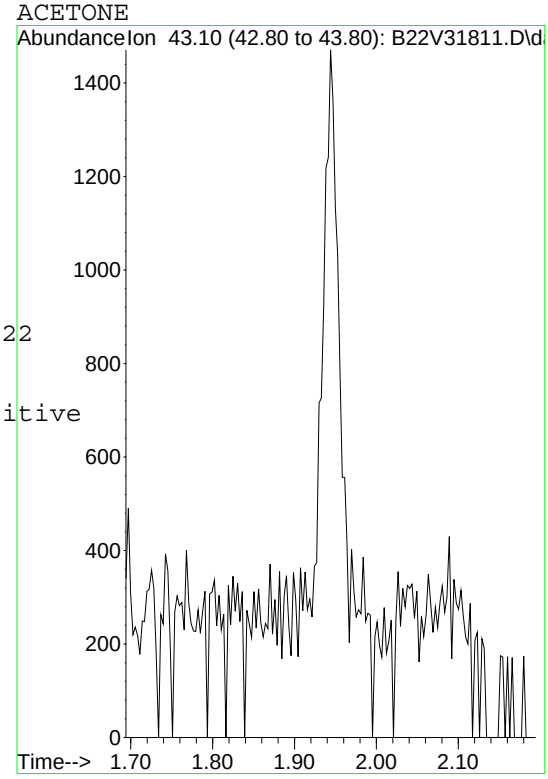
RT : 1.94
Area : 1677
Amount: 1.18922

Manual Int. Results
---

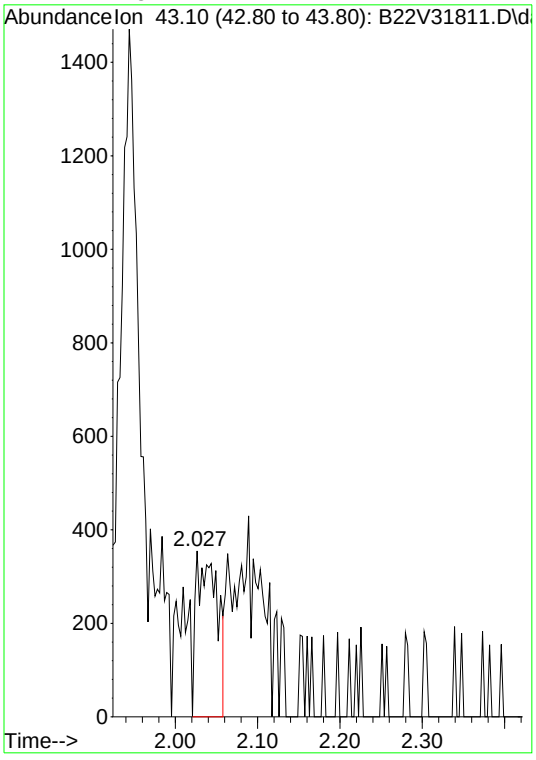
Tue Nov 15 07:16:50 2022

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

Manual Integration
ACETONE




Original Integration
METHYL ACETATE




Original Int. Results
---

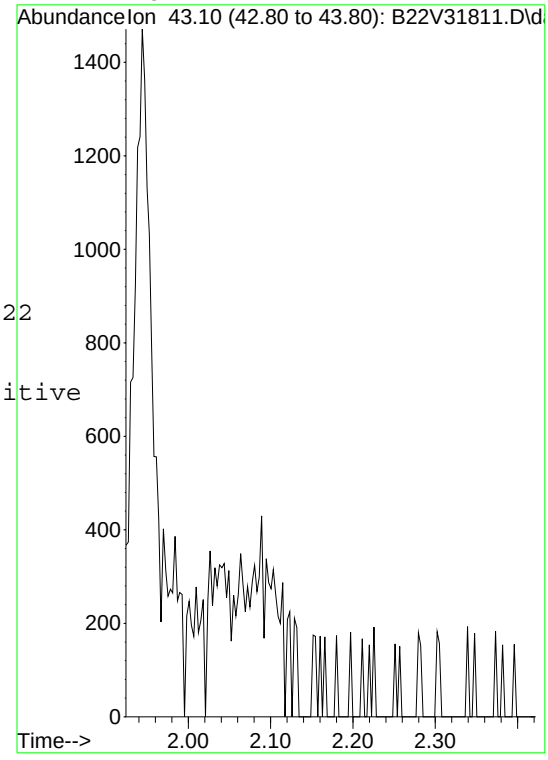
RT : 2.03
Area : 617
Amount: 0.130115

Manual Int. Results
---

Tue Nov 15 07:16:53 2022

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

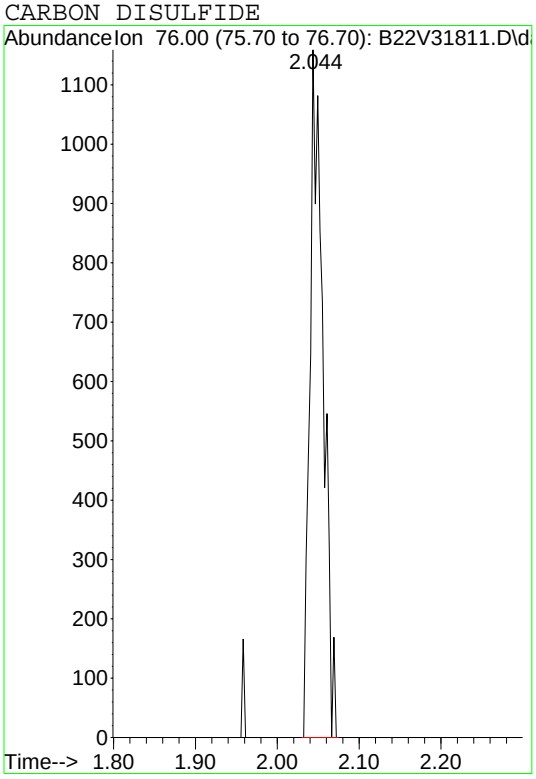
Manual Integration
METHYL ACETATE



Data Path : \\Voa2\MSDChem\1\DATA\B111422\
Data File : B22V31811.D
Acq On : 14 Nov 2022 10:46 am
Operator :
Sample : 22K1604-06
Misc :

Quant Time : Tue Nov 15 07:17:08 2022
Quant Method : C:\MSDCHEM\1\METHODS\B092322W.M
QLast Update : Mon Oct 03 14:02:43 2022

Original Integration
CARBON DISULFIDE




Original Int. Results
---

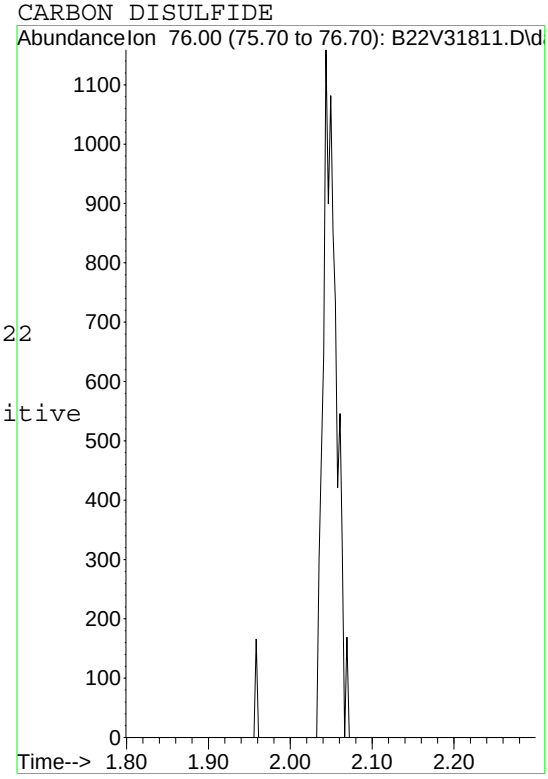
RT : 2.04
Area : 1296
Amount: 0.186344

Manual Int. Results
---

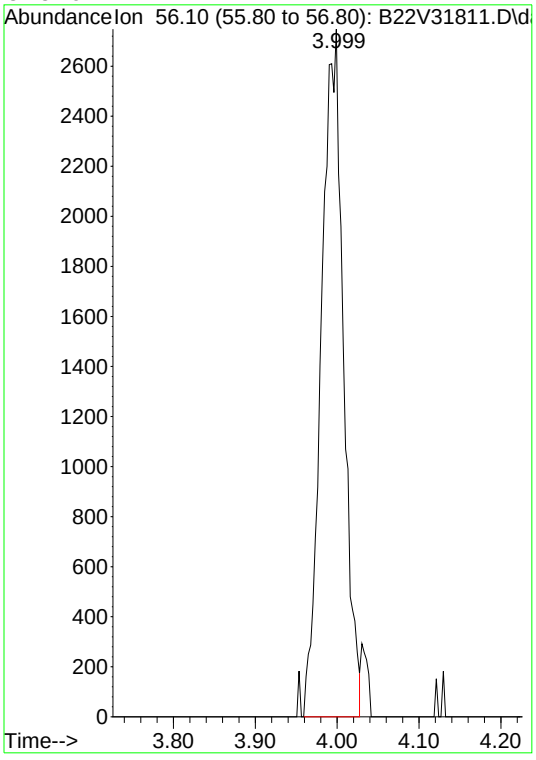
Tue Nov 15 07:16:57 2022

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

Manual Integration
CARBON DISULFIDE




Original Integration
CYCLOHEXANE




Original Int. Results
---

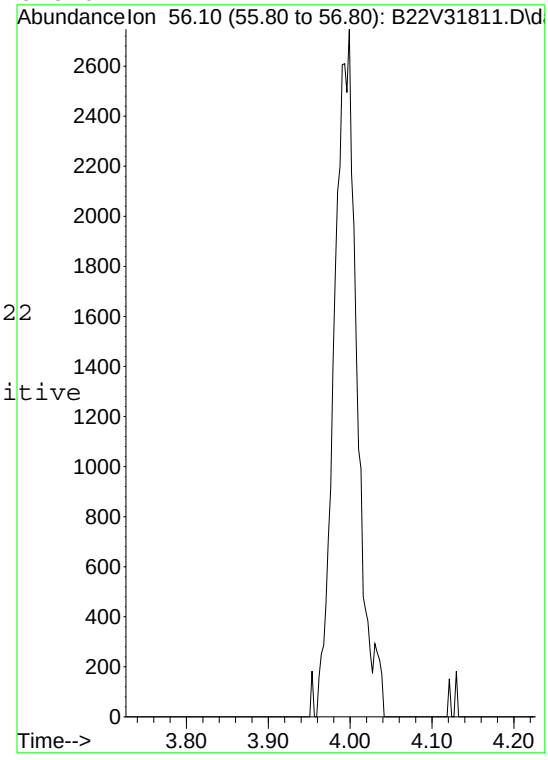
RT : 4.00
Area : 5138
Amount: 0.61042

Manual Int. Results
---

Tue Nov 15 07:17:04 2022

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

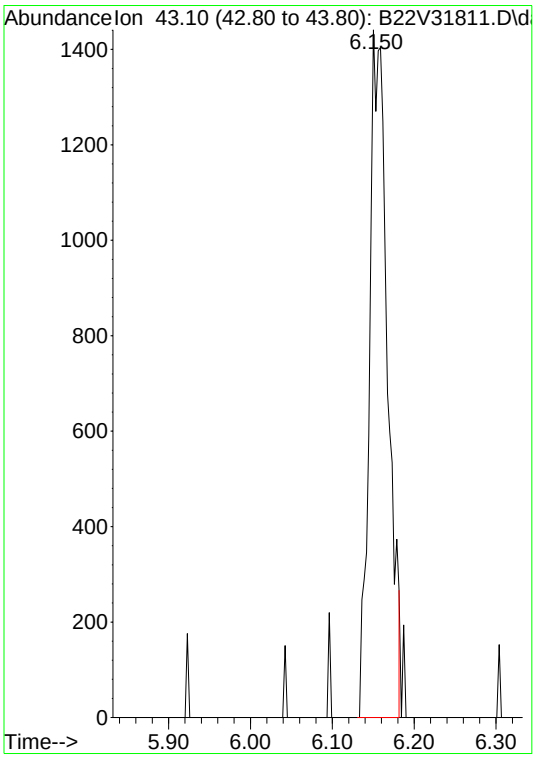
Manual Integration
CYCLOHEXANE



Data Path : \\Voa2\MSDChem\1\DATA\B111422\
Data File : B22V31811.D
Acq On : 14 Nov 2022 10:46 am
Operator :
Sample : 22K1604-06
Misc :

Quant Time : Tue Nov 15 07:17:08 2022
Quant Method : C:\MSDCHEM\1\METHODS\B092322W.M
QLast Update : Mon Oct 03 14:02:43 2022

Original Integration
MIBK




Original Int. Results
---

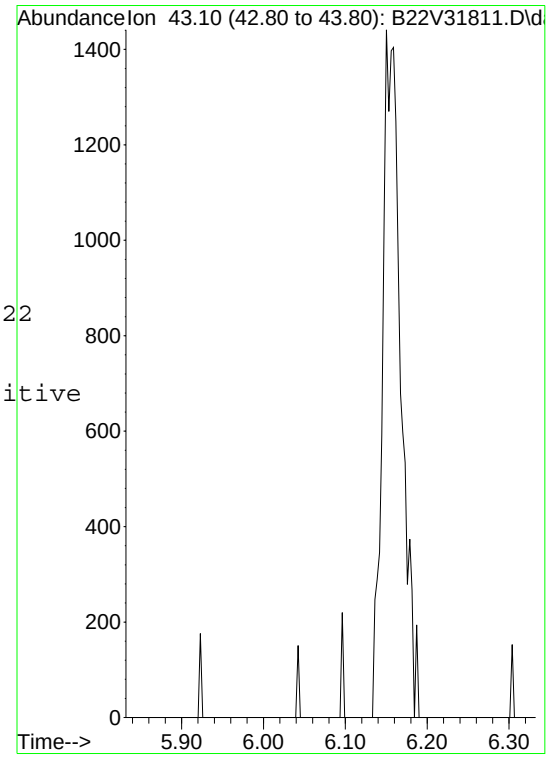
RT : 6.15
Area : 2215
Amount: 0.466434

Manual Int. Results
---

Tue Nov 15 07:17:07 2022

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

Manual Integration
MIBK



# QC DATA

# 2 - FORM II

## SYSTEM MONITORING COMPOUND SUMMARY

### SW-846 8260D

| | | | |
|---|---|---|---|
| Laboratory: | Pace New England | SDG: | 22K1604 |
| Client: | NYDEC_GES - Amherst, NY | Project: | 275 Franklin St, Buffalo - CO 144192 |
| Matrix: | Water | Instrument: | GCMSVOA2 |

| | 1,2-DCA-d4 (70% - 130%) | BFB (70% - 130%) | TOL-d8 (70% - 130%) |
|---|---|---|---|
| **22K1604-01** | 96.4 | 100 | 98.0 |
| **22K1604-02** | 94.6 | 99.0 | 98.6 |
| **22K1604-03** | 98.8 | 100 | 97.8 |
| **22K1604-04** | 95.7 | 101 | 98.5 |
| **22K1604-05** | 98.6 | 102 | 98.4 |
| **22K1604-06** | 96.8 | 100 | 98.4 |
| **B322925-BLK1** | 95.2 | 100 | 98.7 |
| **B322925-BS1** | 95.1 | 102 | 99.0 |
| **B322925-BSD1** | 95.7 | 104 | 98.6 |
| **B322925-MS1** | 95.4 | 102 | 99.2 |
| **B322925-MSD1** | 97.6 | 104 | 99.6 |

# 3 - FORM III

## MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

MW-25S

| | | | |
|---|---|---|---|
| Laboratory: | Pace New England | Work Order: | 22K1604 |
| Client: | NYDEC_GES - Amherst, NY | Project: | 275 Franklin St, Buffalo - CO 144192 |
| Matrix: | Water | Analysis: | SW-846 8260D |
| Batch: | B322925 | Preparation: | SW-846 5030B |
| % Solids: | | Laboratory ID: | B322925-MS1 |
| Initial/Final: | 5 mL / 5 mL | Sample Lab ID: | 22K1604-01 |
| Column: | | | |

| ANALYTE | SPIKE ADDED (µg/L) | SAMPLE CONCENTRATION (µg/L) | MS CONCENTRATION (µg/L) | MS % REC. | | QC LIMITS REC. |
|---|---|---|---|---|---|---|
| Acetone | 400 | ND | 413 | 103 | | 70 - 130 |
| Benzene | 40.0 | ND | 39.7 | 99.2 | | 70 - 130 |
| Bromochloromethane | 40.0 | ND | 42.2 | 106 | | 70 - 130 |
| Bromodichloromethane | 40.0 | ND | 38.3 | 95.8 | | 70 - 130 |
| Bromoform | 40.0 | ND | 34.3 | 85.7 | | 70 - 130 |
| Bromomethane | 40.0 | ND | 21.4 | 53.6 | * | 70 - 130 |
| 2-Butanone (MEK) | 400 | ND | 433 | 108 | | 70 - 130 |
| Carbon Disulfide | 400 | ND | 400 | 99.9 | | 70 - 130 |
| Carbon Tetrachloride | 40.0 | ND | 39.5 | 98.8 | | 70 - 130 |
| Chlorobenzene | 40.0 | ND | 41.5 | 104 | | 70 - 130 |
| Chlorodibromomethane | 40.0 | ND | 38.0 | 95.0 | | 70 - 130 |
| Chloroethane | 40.0 | ND | 41.5 | 104 | | 70 - 130 |
| Chloroform | 40.0 | 1.48 | 39.7 | 95.6 | | 70 - 130 |
| Chloromethane | 40.0 | ND | 33.8 | 84.5 | | 70 - 130 |
| Cyclohexane | 40.0 | ND | 41.2 | 103 | | 70 - 130 |
| 1,2-Dibromo-3-chloropropane (DBCP) | 40.0 | ND | 27.3 | 68.2 | * | 70 - 130 |
| 1,2-Dibromoethane (EDB) | 40.0 | ND | 40.8 | 102 | | 70 - 130 |
| 1,2-Dichlorobenzene | 40.0 | ND | 36.2 | 90.4 | | 70 - 130 |
| 1,3-Dichlorobenzene | 40.0 | ND | 36.1 | 90.2 | | 70 - 130 |
| 1,4-Dichlorobenzene | 40.0 | ND | 36.9 | 92.3 | | 70 - 130 |
| Dichlorodifluoromethane (Freon 12) | 40.0 | ND | 42.3 | 106 | | 70 - 130 |
| 1,1-Dichloroethane | 40.0 | ND | 41.4 | 104 | | 70 - 130 |
| 1,2-Dichloroethane | 40.0 | ND | 41.2 | 103 | | 70 - 130 |
| 1,1-Dichloroethylene | 40.0 | 0.680 | 44.4 | 109 | | 70 - 130 |
| cis-1,2-Dichloroethylene | 40.0 | 379 | 389 | 26.0 | * | 70 - 130 |
| trans-1,2-Dichloroethylene | 40.0 | 2.92 | 45.2 | 106 | | 70 - 130 |
| 1,2-Dichloropropane | 40.0 | ND | 43.1 | 108 | | 70 - 130 |
| cis-1,3-Dichloropropene | 40.0 | ND | 35.8 | 89.4 | | 70 - 130 |
| trans-1,3-Dichloropropene | 40.0 | ND | 35.8 | 89.4 | | 70 - 130 |

# 3 - FORM III

## MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

MW-25S

| | | | |
|---|---|---|---|
| Laboratory: | Pace New England | Work Order: | 22K1604 |
| Client: | NYDEC_GES - Amherst, NY | Project: | 275 Franklin St, Buffalo - CO 144192 |
| Matrix: | Water | Analysis: | SW-846 8260D |
| Batch: | B322925 | Preparation: | SW-846 5030B |
| % Solids: | | Laboratory ID: | B322925-MS1 |
| Initial/Final: | 5 mL / 5 mL | Sample Lab ID: | 22K1604-01 |
| Column: | | | |

| ANALYTE | SPIKE ADDED (µg/L) | SAMPLE CONCENTRATION (µg/L) | MS CONCENTRATION (µg/L) | MS % REC. | QC LIMITS REC. |
|---|---|---|---|---|---|
| 1,4-Dioxane | 400 | ND | 341 | 85.3 | 70 - 130 |
| Ethylbenzene | 40.0 | ND | 41.4 | 103 | 70 - 130 |
| 2-Hexanone (MBK) | 400 | ND | 413 | 103 | 70 - 130 |
| Isopropylbenzene (Cumene) | 40.0 | ND | 39.7 | 99.3 | 70 - 130 |
| Methyl Acetate | 40.0 | ND | 41.0 | 102 | 70 - 130 |
| Methyl tert-Butyl Ether (MTBE) | 40.0 | ND | 36.5 | 91.3 | 70 - 130 |
| Methyl Cyclohexane | 40.0 | ND | 41.6 | 104 | 70 - 130 |
| Methylene Chloride | 40.0 | ND | 42.7 | 107 | 70 - 130 |
| 4-Methyl-2-pentanone (MIBK) | 400 | ND | 418 | 104 | 70 - 130 |
| Styrene | 40.0 | ND | 39.4 | 98.5 | 70 - 130 |
| 1,1,2,2-Tetrachloroethane | 40.0 | ND | 38.3 | 95.7 | 70 - 130 |
| Tetrachloroethylene | 40.0 | 256 | 297 | 102 | 70 - 130 |
| Toluene | 40.0 | ND | 42.5 | 106 | 70 - 130 |
| 1,2,3-Trichlorobenzene | 40.0 | ND | 30.7 | 76.7 | 70 - 130 |
| 1,2,4-Trichlorobenzene | 40.0 | ND | 33.7 | 84.2 | 70 - 130 |
| 1,1,1-Trichloroethane | 40.0 | ND | 40.5 | 101 | 70 - 130 |
| 1,1,2-Trichloroethane | 40.0 | ND | 40.6 | 102 | 70 - 130 |
| Trichloroethylene | 40.0 | 49.0 | 89.8 | 102 | 70 - 130 |
| Trichlorofluoromethane (Freon 11) | 40.0 | ND | 43.2 | 108 | 70 - 130 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | 40.0 | ND | 43.0 | 108 | 70 - 130 |
| Vinyl Chloride | 40.0 | ND | 43.8 | 109 | 70 - 130 |
| Xylenes (total) | 120 | ND | 124 | 103 | 0 - 200 |

# 3 - FORM III

## MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

MW-25S

| | | | |
|---|---|---|---|
| Laboratory: | Pace New England | Work Order: | 22K1604 |
| Client: | NYDEC_GES - Amherst, NY | Project: | 275 Franklin St, Buffalo - CO 144192 |
| Matrix: | Water | Analysis: | SW-846 8260D |
| Batch: | B322925 | Preparation: | SW-846 5030B |
| % Solids: | | Laboratory ID: | B322925-MSD1 |
| Initial/Final: | 5 mL / 5 mL | Sample Lab ID: | 22K1604-01 |
| Column: | | | |

| ANALYTE | SPIKE ADDED (µg/L) | MSD CONCENTRATION (µg/L) | MSD % REC. # | | % RPD | QC LIMITS RPD | QC LIMITS REC. |
|---|---|---|---|---|---|---|---|
| Acetone | 400 | 403 | 101 | | 2.54 | 30 | 70 - 130 |
| Benzene | 40.0 | 38.2 | 95.4 | | 3.91 | 30 | 70 - 130 |
| Bromochloromethane | 40.0 | 42.3 | 106 | | 0.284 | 30 | 70 - 130 |
| Bromodichloromethane | 40.0 | 36.2 | 90.5 | | 5.69 | 30 | 70 - 130 |
| Bromoform | 40.0 | 33.1 | 82.8 | | 3.44 | 30 | 70 - 130 |
| Bromomethane | 40.0 | 16.6 | 41.6 | * | 25.2 | 30 | 70 - 130 |
| 2-Butanone (MEK) | 400 | 423 | 106 | | 2.38 | 30 | 70 - 130 |
| Carbon Disulfide | 400 | 394 | 98.6 | | 1.38 | 30 | 70 - 130 |
| Carbon Tetrachloride | 40.0 | 38.8 | 97.0 | | 1.84 | 30 | 70 - 130 |
| Chlorobenzene | 40.0 | 40.0 | 100 | | 3.63 | 30 | 70 - 130 |
| Chlorodibromomethane | 40.0 | 36.3 | 90.7 | | 4.63 | 30 | 70 - 130 |
| Chloroethane | 40.0 | 43.1 | 108 | | 3.88 | 30 | 70 - 130 |
| Chloroform | 40.0 | 39.8 | 95.8 | | 0.201 | 30 | 70 - 130 |
| Chloromethane | 40.0 | 31.8 | 79.6 | | 5.97 | 30 | 70 - 130 |
| Cyclohexane | 40.0 | 40.1 | 100 | | 2.76 | 30 | 70 - 130 |
| 1,2-Dibromo-3-chloropropane (DBCP) | 40.0 | 25.5 | 63.7 | * | 6.82 | 30 | 70 - 130 |
| 1,2-Dibromoethane (EDB) | 40.0 | 39.8 | 99.6 | | 2.28 | 30 | 70 - 130 |
| 1,2-Dichlorobenzene | 40.0 | 34.5 | 86.3 | | 4.64 | 30 | 70 - 130 |
| 1,3-Dichlorobenzene | 40.0 | 34.1 | 85.3 | | 5.58 | 30 | 70 - 130 |
| 1,4-Dichlorobenzene | 40.0 | 35.2 | 87.9 | | 4.88 | 30 | 70 - 130 |
| Dichlorodifluoromethane (Freon 12) | 40.0 | 40.6 | 101 | | 4.15 | 30 | 70 - 130 |
| 1,1-Dichloroethane | 40.0 | 40.4 | 101 | | 2.35 | 30 | 70 - 130 |
| 1,2-Dichloroethane | 40.0 | 40.4 | 101 | | 1.96 | 30 | 70 - 130 |
| 1,1-Dichloroethylene | 40.0 | 42.6 | 105 | | 4.32 | 30 | 70 - 130 |
| cis-1,2-Dichloroethylene | 40.0 | 400 | 52.7 | * | 2.71 | 30 | 70 - 130 |
| trans-1,2-Dichloroethylene | 40.0 | 45.3 | 106 | | 0.265 | 30 | 70 - 130 |
| 1,2-Dichloropropane | 40.0 | 40.8 | 102 | | 5.34 | 30 | 70 - 130 |
| cis-1,3-Dichloropropene | 40.0 | 34.8 | 87.1 | | 2.61 | 30 | 70 - 130 |
| trans-1,3-Dichloropropene | 40.0 | 34.7 | 86.7 | | 3.07 | 30 | 70 - 130 |

# 3 - FORM III

## MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

MW-25S

| | | | |
|---|---|---|---|
| Laboratory: | Pace New England | Work Order: | 22K1604 |
| Client: | NYDEC_GES - Amherst, NY | Project: | 275 Franklin St, Buffalo - CO 144192 |
| Matrix: | Water | Analysis: | SW-846 8260D |
| Batch: | B322925 | Preparation: | SW-846 5030B |
| % Solids: | | Laboratory ID: | B322925-MSD1 |
| Initial/Final: | 5 mL / 5 mL | Sample Lab ID: | 22K1604-01 |
| Column: | | | |

| ANALYTE | SPIKE ADDED (µg/L) | MSD CONCENTRATION (µg/L) | MSD % REC. # | % RPD | QC LIMITS RPD | QC LIMITS REC. |
|---|---|---|---|---|---|---|
| 1,4-Dioxane | 400 | 332 | 83.1 | 2.60 | 30 | 70 - 130 |
| Ethylbenzene | 40.0 | 39.9 | 99.8 | 3.54 | 30 | 70 - 130 |
| 2-Hexanone (MBK) | 400 | 399 | 99.8 | 3.43 | 30 | 70 - 130 |
| Isopropylbenzene (Cumene) | 40.0 | 38.0 | 94.9 | 4.53 | 30 | 70 - 130 |
| Methyl Acetate | 40.0 | 39.9 | 99.7 | 2.67 | 30 | 70 - 130 |
| Methyl tert-Butyl Ether (MTBE) | 40.0 | 35.9 | 89.8 | 1.66 | 30 | 70 - 130 |
| Methyl Cyclohexane | 40.0 | 39.6 | 99.0 | 4.83 | 30 | 70 - 130 |
| Methylene Chloride | 40.0 | 43.1 | 108 | 0.932 | 30 | 70 - 130 |
| 4-Methyl-2-pentanone (MIBK) | 400 | 402 | 101 | 3.87 | 30 | 70 - 130 |
| Styrene | 40.0 | 37.6 | 94.1 | 4.57 | 30 | 70 - 130 |
| 1,1,2,2-Tetrachloroethane | 40.0 | 36.1 | 90.3 | 5.81 | 30 | 70 - 130 |
| Tetrachloroethylene | 40.0 | 298 | 104 | 0.350 | 30 | 70 - 130 |
| Toluene | 40.0 | 41.1 | 103 | 3.35 | 30 | 70 - 130 |
| 1,2,3-Trichlorobenzene | 40.0 | 30.7 | 76.8 | 0.130 | 30 | 70 - 130 |
| 1,2,4-Trichlorobenzene | 40.0 | 32.1 | 80.2 | 4.87 | 30 | 70 - 130 |
| 1,1,1-Trichloroethane | 40.0 | 39.8 | 99.4 | 1.79 | 30 | 70 - 130 |
| 1,1,2-Trichloroethane | 40.0 | 40.8 | 102 | 0.393 | 30 | 70 - 130 |
| Trichloroethylene | 40.0 | 90.8 | 104 | 1.06 | 30 | 70 - 130 |
| Trichlorofluoromethane (Freon 11) | 40.0 | 42.6 | 106 | 1.59 | 30 | 70 - 130 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | 40.0 | 42.9 | 107 | 0.372 | 30 | 70 - 130 |
| Vinyl Chloride | 40.0 | 43.6 | 109 | 0.458 | 30 | 70 - 130 |
| Xylenes (total) | 120 | 120 | 100 | 3.15 | 200 | 0 - 200 |

# 3 - FORM III

## LCS / LCS DUPLICATE RECOVERY

SW-846 8260D

| | | | |
|---|---|---|---|
| Laboratory: | Pace New England | Work Order: | 22K1604 |
| Client: | NYDEC_GES - Amherst, NY | Project: | 275 Franklin St, Buffalo - CO 144192 |
| Matrix: | Water | Preparation: | SW-846 5030B |
| Batch: | B322925 | Laboratory ID: | B322925-BS1 |
| Column: | | Initial/Final: | 5 mL / 5 mL |

| ANALYTE | SPIKE ADDED (µg/L) | LCS CONCENTRATION (µg/L) | LCS % REC. | QC LIMITS REC. |
|---|---|---|---|---|
| Acetone | 100 | 110 | 110 | 70 - 160 |
| Benzene | 10.0 | 9.95 | 99.5 | 70 - 130 |
| Bromochloromethane | 10.0 | 10.8 | 108 | 70 - 130 |
| Bromodichloromethane | 10.0 | 10.1 | 101 | 70 - 130 |
| Bromoform | 10.0 | 9.22 | 92.2 | 70 - 130 |
| Bromomethane | 10.0 | 6.15 | 61.5 | 40 - 160 |
| 2-Butanone (MEK) | 100 | 112 | 112 | 40 - 160 |
| Carbon Disulfide | 100 | 99.7 | 99.7 | 70 - 130 |
| Carbon Tetrachloride | 10.0 | 9.98 | 99.8 | 70 - 130 |
| Chlorobenzene | 10.0 | 10.5 | 105 | 70 - 130 |
| Chlorodibromomethane | 10.0 | 10.1 | 101 | 70 - 130 |
| Chloroethane | 10.0 | 10.5 | 105 | 70 - 130 |
| Chloroform | 10.0 | 9.73 | 97.3 | 70 - 130 |
| Chloromethane | 10.0 | 8.99 | 89.9 | 40 - 160 |
| Cyclohexane | 10.0 | 10.2 | 102 | 70 - 130 |
| 1,2-Dibromo-3-chloropropane (DBCP) | 10.0 | 8.48 | 84.8 | 70 - 130 |
| 1,2-Dibromoethane (EDB) | 10.0 | 10.7 | 107 | 70 - 130 |
| 1,2-Dichlorobenzene | 10.0 | 9.53 | 95.3 | 70 - 130 |
| 1,3-Dichlorobenzene | 10.0 | 9.29 | 92.9 | 70 - 130 |
| 1,4-Dichlorobenzene | 10.0 | 9.40 | 94.0 | 70 - 130 |
| Dichlorodifluoromethane (Freon 12) | 10.0 | 10.6 | 106 | 40 - 160 |
| 1,1-Dichloroethane | 10.0 | 10.6 | 106 | 70 - 130 |
| 1,2-Dichloroethane | 10.0 | 11.0 | 110 | 70 - 130 |
| 1,1-Dichloroethylene | 10.0 | 10.7 | 107 | 70 - 130 |
| cis-1,2-Dichloroethylene | 10.0 | 10.6 | 106 | 70 - 130 |
| trans-1,2-Dichloroethylene | 10.0 | 10.7 | 107 | 70 - 130 |
| 1,2-Dichloropropane | 10.0 | 11.0 | 110 | 70 - 130 |
| cis-1,3-Dichloropropene | 10.0 | 9.80 | 98.0 | 70 - 130 |
| trans-1,3-Dichloropropene | 10.0 | 9.96 | 99.6 | 70 - 130 |
| 1,4-Dioxane | 100 | 88.5 | 88.5 | 40 - 130 |
| Ethylbenzene | 10.0 | 10.8 | 108 | 70 - 130 |
| 2-Hexanone (MBK) | 100 | 113 | 113 | 70 - 160 |
| Isopropylbenzene (Cumene) | 10.0 | 10.2 | 102 | 70 - 130 |
| Methyl Acetate | 10.0 | 11.5 | 115 | 70 - 130 |
| Methyl tert-Butyl Ether (MTBE) | 10.0 | 9.77 | 97.7 | 70 - 130 |
| Methyl Cyclohexane | 10.0 | 10.6 | 106 | 70 - 130 |
| Methylene Chloride | 10.0 | 10.6 | 106 | 70 - 130 |

# 3 - FORM III

## LCS / LCS DUPLICATE RECOVERY

SW-846 8260D

| | | | |
|---|---|---|---|
| Laboratory: | Pace New England | Work Order: | 22K1604 |
| Client: | NYDEC_GES - Amherst, NY | Project: | 275 Franklin St, Buffalo - CO 144192 |
| Matrix: | Water | Preparation: | SW-846 5030B |
| Batch: | B322925 | Laboratory ID: | B322925-BS1 |
| Column: | | Initial/Final: | 5 mL / 5 mL |

| ANALYTE | SPIKE ADDED (µg/L) | LCS CONCENTRATION (µg/L) | LCS % REC. | QC LIMITS REC. |
|---|---|---|---|---|
| 4-Methyl-2-pentanone (MIBK) | 100 | 113 | 113 | 70 - 160 |
| Styrene | 10.0 | 10.1 | 101 | 70 - 130 |
| 1,1,2,2-Tetrachloroethane | 10.0 | 9.91 | 99.1 | 70 - 130 |
| Tetrachloroethylene | 10.0 | 11.8 | 118 | 70 - 130 |
| Toluene | 10.0 | 11.0 | 110 | 70 - 130 |
| 1,2,3-Trichlorobenzene | 10.0 | 8.95 | 89.5 | 70 - 130 |
| 1,2,4-Trichlorobenzene | 10.0 | 9.33 | 93.3 | 70 - 130 |
| 1,1,1-Trichloroethane | 10.0 | 10.4 | 104 | 70 - 130 |
| 1,1,2-Trichloroethane | 10.0 | 10.3 | 103 | 70 - 130 |
| Trichloroethylene | 10.0 | 11.1 | 111 | 70 - 130 |
| Trichlorofluoromethane (Freon 11) | 10.0 | 11.2 | 112 | 70 - 130 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | 10.0 | 11.2 | 112 | 70 - 130 |
| Vinyl Chloride | 10.0 | 10.7 | 107 | 40 - 160 |
| m+p Xylene | 20.0 | 21.9 | 109 | 70 - 130 |
| o-Xylene | 10.0 | 10.6 | 106 | 70 - 130 |
| Xylenes (total) | 30.0 | 32.5 | 108 | 0 - 200 |

| ANALYTE | SPIKE ADDED (µg/L) | LCSD CONCENTRATION (µg/L) | LCSD % REC. # | % RPD # | QC LIMITS RPD | QC LIMITS REC. |
|---|---|---|---|---|---|---|
| Acetone | 100 | 111 | 111 | 1.02 | 25 | 70 - 160 |
| Benzene | 10.0 | 9.73 | 97.3 | 2.24 | 25 | 70 - 130 |
| Bromochloromethane | 10.0 | 10.5 | 105 | 2.99 | 25 | 70 - 130 |
| Bromodichloromethane | 10.0 | 9.83 | 98.3 | 2.71 | 25 | 70 - 130 |
| Bromoform | 10.0 | 9.22 | 92.2 | 0.00 | 25 | 70 - 130 |
| Bromomethane | 10.0 | 6.11 | 61.1 | 0.653 | 25 | 40 - 160 |
| 2-Butanone (MEK) | 100 | 112 | 112 | 0.669 | 25 | 40 - 160 |
| Carbon Disulfide | 100 | 97.4 | 97.4 | 2.33 | 25 | 70 - 130 |
| Carbon Tetrachloride | 10.0 | 9.42 | 94.2 | 5.77 | 25 | 70 - 130 |
| Chlorobenzene | 10.0 | 10.4 | 104 | 0.863 | 25 | 70 - 130 |
| Chlorodibromomethane | 10.0 | 9.68 | 96.8 | 4.35 | 25 | 70 - 130 |
| Chloroethane | 10.0 | 10.1 | 101 | 3.11 | 25 | 70 - 130 |
| Chloroform | 10.0 | 9.45 | 94.5 | 2.92 | 25 | 70 - 130 |
| Chloromethane | 10.0 | 8.83 | 88.3 | 1.80 | 25 | 40 - 160 |
| Cyclohexane | 10.0 | 9.99 | 99.9 | 2.47 | 25 | 70 - 130 |

# 3 - FORM III

## LCS / LCS DUPLICATE RECOVERY

SW-846 8260D

| | | | |
|---|---|---|---|
| Laboratory: | Pace New England | Work Order: | 22K1604 |
| Client: | NYDEC_GES - Amherst, NY | Project: | 275 Franklin St, Buffalo - CO 144192 |
| Matrix: | Water | Preparation: | SW-846 5030B |
| Batch: | B322925 | Laboratory ID: | B322925-BSD1 |
| Column: | | Initial/Final: | 5 mL / 5 mL |

| ANALYTE | SPIKE ADDED (µg/L) | LCSD CONCENTRATION (µg/L) | LCSD % REC. # | % RPD # | QC LIMITS RPD | QC LIMITS REC. |
|---|---|---|---|---|---|---|
| 1,2-Dibromo-3-chloropropane (DBCP) | 10.0 | 8.06 | 80.6 | 5.08 | 25 | 70 - 130 |
| 1,2-Dibromoethane (EDB) | 10.0 | 10.4 | 104 | 3.32 | 25 | 70 - 130 |
| 1,2-Dichlorobenzene | 10.0 | 9.30 | 93.0 | 2.44 | 25 | 70 - 130 |
| 1,3-Dichlorobenzene | 10.0 | 9.11 | 91.1 | 1.96 | 25 | 70 - 130 |
| 1,4-Dichlorobenzene | 10.0 | 9.30 | 93.0 | 1.07 | 25 | 70 - 130 |
| Dichlorodifluoromethane (Freon 12) | 10.0 | 10.2 | 102 | 4.32 | 25 | 40 - 160 |
| 1,1-Dichloroethane | 10.0 | 10.6 | 106 | 0.0942 | 25 | 70 - 130 |
| 1,2-Dichloroethane | 10.0 | 10.8 | 108 | 1.38 | 25 | 70 - 130 |
| 1,1-Dichloroethylene | 10.0 | 10.5 | 105 | 1.60 | 25 | 70 - 130 |
| cis-1,2-Dichloroethylene | 10.0 | 10.5 | 105 | 0.761 | 25 | 70 - 130 |
| trans-1,2-Dichloroethylene | 10.0 | 10.4 | 104 | 3.12 | 25 | 70 - 130 |
| 1,2-Dichloropropane | 10.0 | 10.5 | 105 | 5.10 | 25 | 70 - 130 |
| cis-1,3-Dichloropropene | 10.0 | 9.63 | 96.3 | 1.75 | 25 | 70 - 130 |
| trans-1,3-Dichloropropene | 10.0 | 9.69 | 96.9 | 2.75 | 25 | 70 - 130 |
| 1,4-Dioxane | 100 | 91.1 | 91.1 | 2.85 | 50 | 40 - 130 |
| Ethylbenzene | 10.0 | 10.6 | 106 | 1.59 | 25 | 70 - 130 |
| 2-Hexanone (MBK) | 100 | 111 | 111 | 1.85 | 25 | 70 - 160 |
| Isopropylbenzene (Cumene) | 10.0 | 9.97 | 99.7 | 1.99 | 25 | 70 - 130 |
| Methyl Acetate | 10.0 | 11.1 | 111 | 3.46 | 25 | 70 - 130 |
| Methyl tert-Butyl Ether (MTBE) | 10.0 | 9.69 | 96.9 | 0.822 | 25 | 70 - 130 |
| Methyl Cyclohexane | 10.0 | 10.0 | 100 | 5.15 | 25 | 70 - 130 |
| Methylene Chloride | 10.0 | 10.4 | 104 | 1.99 | 25 | 70 - 130 |
| 4-Methyl-2-pentanone (MIBK) | 100 | 111 | 111 | 1.63 | 25 | 70 - 160 |
| Styrene | 10.0 | 9.93 | 99.3 | 1.70 | 25 | 70 - 130 |
| 1,1,2,2-Tetrachloroethane | 10.0 | 9.68 | 96.8 | 2.35 | 25 | 70 - 130 |
| Tetrachloroethylene | 10.0 | 11.2 | 112 | 4.95 | 25 | 70 - 130 |
| Toluene | 10.0 | 10.6 | 106 | 3.70 | 25 | 70 - 130 |
| 1,2,3-Trichlorobenzene | 10.0 | 8.64 | 86.4 | 3.52 | 25 | 70 - 130 |
| 1,2,4-Trichlorobenzene | 10.0 | 9.16 | 91.6 | 1.84 | 25 | 70 - 130 |
| 1,1,1-Trichloroethane | 10.0 | 9.96 | 99.6 | 4.03 | 25 | 70 - 130 |
| 1,1,2-Trichloroethane | 10.0 | 10.5 | 105 | 1.82 | 25 | 70 - 130 |
| Trichloroethylene | 10.0 | 10.7 | 107 | 3.85 | 25 | 70 - 130 |
| Trichlorofluoromethane (Freon 11) | 10.0 | 10.6 | 106 | 5.23 | 25 | 70 - 130 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | 10.0 | 10.8 | 108 | 2.82 | 25 | 70 - 130 |

# 3 - FORM III

## LCS / LCS DUPLICATE RECOVERY

SW-846 8260D

| | | | |
|---|---|---|---|
| Laboratory: | Pace New England | Work Order: | 22K1604 |
| Client: | NYDEC_GES - Amherst, NY | Project: | 275 Franklin St, Buffalo - CO 144192 |
| Matrix: | Water | Preparation: | SW-846 5030B |
| Batch: | B322925 | Laboratory ID: | B322925-BSD1 |
| Column: | | Initial/Final: | 5 mL / 5 mL |

| ANALYTE | SPIKE ADDED (µg/L) | LCSD CONCENTRATION (µg/L) | LCSD % REC. # | % RPD # | QC LIMITS RPD | QC LIMITS REC. |
|---|---|---|---|---|---|---|
| Vinyl Chloride | 10.0 | 10.2 | 102 | 4.67 | 25 | 40 - 160 |
| m+p Xylene | 20.0 | 21.2 | 106 | 3.25 | 25 | 70 - 130 |
| o-Xylene | 10.0 | 10.2 | 102 | 3.45 | 25 | 70 - 130 |
| Xylenes (total) | 30.0 | 31.4 | 105 | 3.32 | 200 | 0 - 200 |

# 4 - FORM IV
# METHOD BLANK SUMMARY

## SW-846 8260D

| | | | |
|---|---|---|---|
| Laboratory: | Pace New England | Work Order: | 22K1604 |
| Client: | NYDEC_GES - Amherst, NY | Project: | 275 Franklin St, Buffalo - CO 144192 |
| Blank ID: | B322925-BLK1 Batch: B322925 | Prepared: | 11/14/2022 07:02 |

| Client Sample ID | Laboratory Sample ID | Lab File ID | Time Analyzed |
|---|---|---|---|
| LCS | B322925-BS1 | B22V31807.D | 09:02 |
| LCS Dup | B322925-BSD1 | B22V31808.D | 09:28 |
| Trip Blank | 22K1604-06 | B22V31811.D | 10:46 |
| MW-27S | 22K1604-03 | B22V31817.D | 13:23 |
| MW-25S | 22K1604-01 | B22V31822.D | 15:34 |
| MW-26S | 22K1604-02 | B22V31823.D | 16:00 |
| MW-23D | 22K1604-04 | B22V31824.D | 16:26 |
| DUP | 22K1604-05 | B22V31825.D | 16:52 |
| Matrix Spike | B322925-MS1 | B22V31831.D | 19:29 |
| Matrix Spike Dup | B322925-MSD1 | B22V31832.D | 19:55 |

# 5 - FORM V
# INSTRUMENT PERFORMANCE CHECK

## SW-846 8260D

| | | | |
|---|---|---|---|
| Laboratory: | Pace New England | Work Order: | 22K1604 |
| Client: | NYDEC_GES - Amherst, NY | Project: | 275 Franklin St, Buffalo - CO 144192 |
| Lab File ID: | B22V26606.D | Injection Date: | 09/23/22 |
| Instrument ID: | GCMSVOA2 | Injection Time: | 10:27 |
| Sequence: | S076983 | Lab Sample ID: | S076983-TUN1 |

| m/z | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE | PASS/FAIL |
|---|---|---|---|
| 50 | 15 - 40% of 95 | 34 | PASS |
| 75 | 30 - 60% of 95 | 53.4 | PASS |
| 95 | Base peak, 100% relative abundance | 100 | PASS |
| 96 | 5 - 9% of 95 | 7.02 | PASS |
| 173 | Less than 2% of 174 | 0 | PASS |
| 174 | 50 - 200% of 95 | 94.2 | PASS |
| 175 | 5 - 9% of 174 | 7.68 | PASS |
| 176 | 95 - 101% of 174 | 95.2 | PASS |
| 177 | 5 - 9% of 176 | 6.61 | PASS |

| Client ID | Sample ID | File ID | Date Analyzed | Time Analyzed |
|---|---|---|---|---|
| 0.4 PPB | S076983-CAL1 | B22V26607.D | 09/23/2022 | 10:53:00 |
| 0.5 PPB | S076983-CAL2 | B22V26608.D | 09/23/2022 | 11:20:00 |
| 1.0 PPB | S076983-CAL3 | B22V26609.D | 09/23/2022 | 11:46:00 |
| 2.0 PPB | S076983-CAL4 | B22V26610.D | 09/23/2022 | 12:12:00 |
| 5.0 PPB | S076983-CAL5 | B22V26611.D | 09/23/2022 | 12:38:00 |
| 10 PPB | S076983-CAL6 | B22V26612.D | 09/23/2022 | 13:04:00 |
| 20 PPB | S076983-CAL7 | B22V26613.D | 09/23/2022 | 13:30:00 |
| 50 PPB | S076983-CAL8 | B22V26614.D | 09/23/2022 | 13:56:00 |
| 50 PPB | S076983-CAL8 | B22V26617.D | 09/23/2022 | 13:56:00 |
| 100 PPB | S076983-CAL9 | B22V26615.D | 09/23/2022 | 14:22:00 |
| 100 PPB | S076983-CAL9 | B22V26618.D | 09/23/2022 | 14:22:00 |
| 200 PPB | S076983-CALA | B22V26619.D | 09/23/2022 | 14:48:00 |
| 200 PPB | S076983-CALA | B22V26616.D | 09/23/2022 | 14:48:00 |
| Initial Cal Check | S076983-ICV1 | B22V26623.D | 09/23/2022 | 17:51:00 |

# CALIBRATION DATA

# 6 - FORM VI
# INITIAL CALIBRATION DATA SHEET

*SW-846 8260D*

Client: NYDEC GES - Amherst, NY SDG: 22K1601

Project: 275 Franklin St, Buffalo - CO 144192

Calibration: 2200668 Instrument: GCMSVOA2

Calibration Date: 9/23/2022 10:27:32AM

| Compound | Level 01 | | Level 02 | | Level 03 | | Level 04 | | Level 05 | | Level 06 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | RF | | RF | | RF | | RF | | RF | | RF |
| Acetone | 4 | 0.2378347 | 5 | 0.2323789 | 10 | 0.2395057 | 20 | 0.2186377 | 50 | 0.2525605 | 100 | 0.2436937 |
| Acrolein | 4 | 0.176488 | 5 | 0.1289214 | 10 | 0.1402245 | 20 | 0.1263965 | 50 | 0.1284802 | 100 | 0.1335226 |
| Acrylonitrile | 0.4 | 0.341331 | 0.5 | 0.3220531 | 1 | 0.2980271 | 2 | 0.26924 | 5 | 0.3138588 | 10 | 0.3103454 |
| tert-Amyl Methyl Ether (TAME) | 0.4 | 1.08939 | 0.5 | 1.095982 | 1 | 1.18994 | 2 | 1.197538 | 5 | 1.31379 | 10 | 1.369768 |
| Benzene | 0.4 | 1.584721 | 0.5 | 1.51949 | 1 | 1.639232 | 2 | 1.521181 | 5 | 1.621157 | 10 | 1.738552 |
| Bromobenzene | 0.4 | 0.9364616 | 0.5 | 0.8523721 | 1 | 0.9621692 | 2 | 0.9921949 | 5 | 1.059943 | 10 | 1.081324 |
| Bromochloromethane | 0.4 | 0.1675011 | 0.5 | 0.1421706 | 1 | 0.2017978 | 2 | 0.1896957 | 5 | 0.2143912 | 10 | 0.228424 |
| Bromodichloromethane | 0.4 | 0.3127055 | 0.5 | 0.3437243 | 1 | 0.3539794 | 2 | 0.3869802 | 5 | 0.3941664 | 10 | 0.4313005 |
| Bromoform | 0.4 | 0.3751006 | 0.5 | 0.3506093 | 1 | 0.4192543 | 2 | 0.4170786 | 5 | 0.4733543 | 10 | 0.4938676 |
| Bromomethane | | | | | | | 2 | 0.2866456 | 5 | 0.261446 | 10 | 0.2508023 |
| 2-Butanone (MEK) | 4 | 0.3085059 | 5 | 0.2976906 | 10 | 0.3538133 | 20 | 0.320103 | 50 | 0.3774755 | 100 | 0.3798941 |
| tert-Butyl Alcohol (TBA) | 4 | 6.632538E-02 | 5 | 0.0732212 | 10 | 7.016227E-02 | 20 | 7.053887E-02 | 50 | 7.918599E-02 | 100 | 7.908485E-02 |
| n-Butylbenzene | 0.4 | 1.736673 | 0.5 | 1.752659 | 1 | 1.896157 | 2 | 1.761531 | 5 | 2.01593 | 10 | 2.149861 |
| sec-Butylbenzene | 0.4 | 2.373515 | 0.5 | 2.215024 | 1 | 2.366242 | 2 | 2.257512 | 5 | 2.596784 | 10 | 2.689721 |
| tert-Butylbenzene | 0.4 | 1.56003 | 0.5 | 1.577659 | 1 | 1.663162 | 2 | 1.600624 | 5 | 1.780488 | 10 | 1.889329 |
| tert-Butyl Ethyl Ether (TBEE) | 0.4 | 1.748003 | 0.5 | 1.681017 | 1 | 1.836527 | 2 | 1.838434 | 5 | 2.011094 | 10 | 2.107336 |
| Carbon Disulfide | 4 | 1.016019 | 5 | 1.025731 | 10 | 1.109054 | 20 | 1.054341 | 50 | 1.218403 | 100 | 1.288585 |
| Carbon Tetrachloride | 0.4 | 0.713462 | 0.5 | 0.6504472 | 1 | 0.6514234 | 2 | 0.5663122 | 5 | 0.6721965 | 10 | 0.6809069 |
| Chlorobenzene | 0.4 | 1.268738 | 0.5 | 1.308331 | 1 | 1.454963 | 2 | 1.34975 | 5 | 1.567213 | 10 | 1.615609 |
| Chlorodibromomethane | 0.4 | 0.275433 | 0.5 | 0.2535961 | 1 | 0.296198 | 2 | 0.2915116 | 5 | 0.3232848 | 10 | 0.344461 |
| Chloroethane | 0.4 | 0.3894296 | 0.5 | 0.3430784 | 1 | 0.381081 | 2 | 0.3611449 | 5 | 0.3979392 | 10 | 0.4161979 |
| 2-Chloroethyl Vinyl Ether | 4 | 0.2398049 | 5 | 0.2399885 | 10 | 0.2584496 | 20 | 0.256876 | 50 | 0.2925359 | 100 | 0.3030053 |
| Chloroform | 0.4 | 0.8961521 | 0.5 | 0.6931651 | 1 | 0.7603275 | 2 | 0.7252328 | 5 | 0.7748583 | 10 | 0.8200766 |
| Chloromethane | 0.4 | 1.117237 | 0.5 | 1.051262 | 1 | 1.075699 | 2 | 1.010533 | 5 | 1.067594 | 10 | 1.116705 |
| 2-Chlorotoluene | 0.4 | 1.65003 | 0.5 | 1.714321 | 1 | 1.792872 | 2 | 1.800738 | 5 | 1.92335 | 10 | 1.932728 |
| 4-Chlorotoluene | 0.4 | 1.829067 | 0.5 | 1.907531 | 1 | 1.983293 | 2 | 2.070045 | 5 | 2.205158 | 10 | 2.316799 |
| Cyclohexane | | | | | | | 2 | 1.58374 | 5 | 1.457805 | 10 | 1.443701 |
| 1,2-Dibromo-3-chloropropane (D | | | | | 1 | 0.104029 | 2 | 0.1152776 | 5 | 0.1216237 | 10 | 0.1241687 |
| 1,2-Dibromoethane (EDB) | 0.4 | 0.2395308 | 0.5 | 0.235703 | 1 | 0.2437485 | 2 | 0.2386991 | 5 | 0.2755171 | 10 | 0.2869786 |
| Dibromomethane | 0.4 | 0.140046 | 0.5 | 0.1232636 | 1 | 0.1477725 | 2 | 0.1609627 | 5 | 0.1723739 | 10 | 0.1914712 |
| 1,2-Dichlorobenzene | 0.4 | 0.9450364 | 0.5 | 0.9771159 | 1 | 1.016098 | 2 | 1.024793 | 5 | 1.098573 | 10 | 1.17341 |

# 6 - FORM VI
# INITIAL CALIBRATION DATA SHEET

*SW-846 8260D*

Client: NYDEC GES - Amherst, NY SDG: 22K1601

Project: 275 Franklin St, Buffalo - CO 144192

Calibration: 2200668 Instrument: GCMSVOA2

Calibration Date: 9/23/2022 10:27:32AM

| Compound | Level 01 | | Level 02 | | Level 03 | | Level 04 | | Level 05 | | Level 06 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | RF | | RF | | RF | | RF | | RF | | RF |
| 1,3-Dichlorobenzene | 0.4 | 1.101225 | 0.5 | 1.10922 | 1 | 1.130734 | 2 | 1.144337 | 5 | 1.218407 | 10 | 1.274687 |
| 1,4-Dichlorobenzene | 0.4 | 1.065897 | 0.5 | 1.121747 | 1 | 1.133898 | 2 | 1.104087 | 5 | 1.271489 | 10 | 1.313927 |
| trans-1,4-Dichloro-2-butene | 0.4 | 0.3694251 | 0.5 | 0.4051578 | 1 | 0.3835119 | 2 | 0.3698954 | 5 | 0.4160035 | 10 | 0.4377858 |
| Dichlorodifluoromethane (Freon | 0.4 | 0.5033472 | 0.5 | 0.4749032 | 1 | 0.510832 | 2 | 0.4717166 | 5 | 0.5265327 | 10 | 0.5627868 |
| 1,1-Dichloroethane | 0.4 | 0.8083933 | 0.5 | 0.8019624 | 1 | 0.8605594 | 2 | 0.8710361 | 5 | 0.9647948 | 10 | 1.015477 |
| 1,2-Dichloroethane | 0.4 | 0.42836 | 0.5 | 0.4468858 | 1 | 0.4594224 | 2 | 0.4512665 | 5 | 0.5100715 | 10 | 0.5505993 |
| 1,1-Dichloroethylene | 0.4 | 0.7586071 | 0.5 | 0.7772661 | 1 | 0.7906806 | 2 | 0.7379296 | 5 | 0.8470891 | 10 | 0.9154733 |
| cis-1,2-Dichloroethylene | 0.4 | 0.7548099 | 0.5 | 0.8073021 | 1 | 0.8737346 | 2 | 0.8332819 | 5 | 0.912485 | 10 | 0.9843335 |
| trans-1,2-Dichloroethylene | 0.4 | 0.7105086 | 0.5 | 0.6527833 | 1 | 0.7588266 | 2 | 0.7191787 | 5 | 0.79921 | 10 | 0.8606232 |
| Dichlorofluoromethane (Freon 2 | 0.4 | 0.8923549 | 0.5 | 0.8256575 | 1 | 0.8597255 | 2 | 0.7687047 | 5 | 0.8786193 | 10 | 0.9129715 |
| 1,2-Dichloropropane | 0.4 | 0.2984543 | 0.5 | 0.3079381 | 1 | 0.3590938 | 2 | 0.3281289 | 5 | 0.3742874 | 10 | 0.3925912 |
| 1,3-Dichloropropane | 0.4 | 0.3094168 | 0.5 | 0.3803942 | 1 | 0.3913034 | 2 | 0.3894507 | 5 | 0.4502783 | 10 | 0.4737622 |
| 2,2-Dichloropropane | 0.4 | 0.6459552 | 0.5 | 0.7151916 | 1 | 0.6660996 | 2 | 0.6267693 | 5 | 0.6867251 | 10 | 0.7169675 |
| 1,1-Dichloropropene | 0.4 | 0.5632595 | 0.5 | 0.5840342 | 1 | 0.5668685 | 2 | 0.544366 | 5 | 0.6042933 | 10 | 0.6424135 |
| cis-1,3-Dichloropropene | 0.4 | 0.397939 | 0.5 | 0.369349 | 1 | 0.427648 | 2 | 0.4222252 | 5 | 0.457217 | 10 | 0.4955919 |
| trans-1,3-Dichloropropene | 0.4 | 0.2869437 | 0.5 | 0.3534441 | 1 | 0.3677991 | 2 | 0.352998 | 5 | 0.4081554 | 10 | 0.4260541 |
| Diethyl Ether | 0.4 | 0.3750844 | 0.5 | 0.4335202 | 1 | 0.4352829 | 2 | 0.4393439 | 5 | 0.450146 | 10 | 0.4994134 |
| Difluorochloromethane (Freon 2 | 0.4 | 0.8868699 | 0.5 | 0.9628221 | 1 | 0.9763013 | 2 | 0.9462921 | 5 | 0.9855401 | 10 | 1.071414 |
| Diisopropyl Ether (DIPE) | 0.4 | 2.452183 | 0.5 | 2.300761 | 1 | 2.35453 | 2 | 2.329742 | 5 | 2.5661 | 10 | 2.675403 |
| 1,4-Dioxane | | | | | | | | | 50 | 3.99588E-03 | 100 | 3.937089E-03 |
| Ethanol | | | | | | | | | 50 | 1.235102E-02 | 100 | 1.085786E-02 |
| Ethyl Acetate | | | | | | | 2 | 0.8931504 | 5 | 0.974824 | 10 | 0.9609717 |
| Ethylbenzene | 0.4 | 2.200556 | 0.5 | 2.220248 | 1 | 2.41405 | 2 | 2.346611 | 5 | 2.595714 | 10 | 2.756469 |
| Hexachlorobutadiene | 0.4 | 0.2900653 | 0.5 | 0.2543386 | 1 | 0.296827 | 2 | 0.2933412 | 5 | 0.3430519 | 10 | 0.3493488 |
| 2-Hexanone (MBK) | 4 | 0.3671892 | 5 | 0.3776108 | 10 | 0.3777122 | 20 | 0.3549799 | 50 | 0.4172939 | 100 | 0.4248098 |
| Iodomethane | | | | | 10 | 0.4672704 | 20 | 0.5124137 | 50 | 0.5983926 | 100 | 0.6525242 |
| Isopropylbenzene (Cumene) | 0.4 | 2.471949 | 0.5 | 2.366405 | 1 | 2.53956 | 2 | 2.554632 | 5 | 2.757579 | 10 | 2.899312 |
| p-Isopropyltoluene (p-Cymene) | 0.4 | 1.910526 | 0.5 | 1.978147 | 1 | 2.0763 | 2 | 2.017683 | 5 | 2.213368 | 10 | 2.383196 |
| Methyl Acetate | | | 0.5 | 0.7468963 | 1 | 0.7488201 | 2 | 0.72641 | 5 | 0.8492873 | 10 | 0.8325512 |
| Methyl tert-Butyl Ether (MTBE) | 0.4 | 1.123987 | 0.5 | 1.086304 | 1 | 1.162923 | 2 | 1.147255 | 5 | 1.271166 | 10 | 1.296215 |
| Methyl Cyclohexane | 0.4 | 0.4913944 | 0.5 | 0.4384915 | 1 | 0.4948965 | 2 | 0.4513763 | 5 | 0.5130389 | 10 | 0.5548421 |

# 6 - FORM VI
# INITIAL CALIBRATION DATA SHEET

*SW-846 8260D*

Client: NYDEC GES - Amherst, NY SDG: 22K1601

Project: 275 Franklin St, Buffalo - CO 144192

Calibration: 2200668 Instrument: GCMSVOA2

Calibration Date: 9/23/2022 10:27:32AM

| Compound | Level 01 | | Level 02 | | Level 03 | | Level 04 | | Level 05 | | Level 06 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | RF | | RF | | RF | | RF | | RF | | RF |
| Methylene Chloride | 0.4 | 0.9847547 | 0.5 | 0.9347884 | 1 | 0.934941 | 2 | 0.9009703 | 5 | 0.9753735 | 10 | 1.016805 |
| 4-Methyl-2-pentanone (MIBK) | 4 | 0.498109 | 5 | 0.4833347 | 10 | 0.4949945 | 20 | 0.4760862 | 50 | 0.5510521 | 100 | 0.5729605 |
| Naphthalene | 0.4 | 1.248582 | 0.5 | 1.295229 | 1 | 1.366893 | 2 | 1.31665 | 5 | 1.52894 | 10 | 1.539183 |
| n-Propylbenzene | 0.4 | 2.883683 | 0.5 | 2.929378 | 1 | 3.044678 | 2 | 3.052493 | 5 | 3.312684 | 10 | 3.443105 |
| Styrene | 0.4 | 1.361094 | 0.5 | 1.401188 | 1 | 1.581499 | 2 | 1.596347 | 5 | 1.723084 | 10 | 1.854762 |
| 1,1,1,2-Tetrachloroethane | 0.4 | 0.453526 | 0.5 | 0.5084252 | 1 | 0.565716 | 2 | 0.5555171 | 5 | 0.5951411 | 10 | 0.6223448 |
| 1,1,2,2-Tetrachloroethane | 0.4 | 0.6124408 | 0.5 | 0.6916415 | 1 | 0.6569208 | 2 | 0.6634681 | 5 | 0.7121067 | 10 | 0.7358696 |
| Tetrachloroethylene | 0.4 | 0.2113023 | 0.5 | 0.2094156 | 1 | 0.2450543 | 2 | 0.2448478 | 5 | 0.2673067 | 10 | 0.2900124 |
| Tetrahydrofuran | | | | | | | 2 | 0.2772281 | 5 | 0.2873433 | 10 | 0.2762345 |
| Toluene | 0.4 | 1.038972 | 0.5 | 1.084411 | 1 | 1.152909 | 2 | 1.111916 | 5 | 1.194369 | 10 | 1.252432 |
| 1,2,3-Trichlorobenzene | 0.4 | 0.4253361 | 0.5 | 0.5231024 | 1 | 0.4626407 | 2 | 0.4722394 | 5 | 0.5573213 | 10 | 0.5630358 |
| 1,2,4-Trichlorobenzene | 0.4 | 0.5434075 | 0.5 | 0.5208248 | 1 | 0.5865823 | 2 | 0.5953073 | 5 | 0.6671405 | 10 | 0.691889 |
| 1,3,5-Trichlorobenzene | 0.4 | 0.7558431 | 0.5 | 0.7459334 | 1 | 0.7965013 | 2 | 0.7722579 | 5 | 0.8790871 | 10 | 0.9136933 |
| 1,1,1-Trichloroethane | 0.4 | 0.6404703 | 0.5 | 0.6047257 | 1 | 0.6640983 | 2 | 0.6323189 | 5 | 0.7302765 | 10 | 0.7604645 |
| 1,1,2-Trichloroethane | 0.4 | 0.2039027 | 0.5 | 0.2114037 | 1 | 0.2155651 | 2 | 0.2198689 | 5 | 0.2528716 | 10 | 0.2584085 |
| Trichloroethylene | 0.4 | 0.2704999 | 0.5 | 0.2228907 | 1 | 0.2610503 | 2 | 0.2630192 | 5 | 0.3041866 | 10 | 0.3225744 |
| Trichlorofluoromethane (Freon 1 | 0.4 | 0.5970128 | 0.5 | 0.5726872 | 1 | 0.6264072 | 2 | 0.5764024 | 5 | 0.66938 | 10 | 0.7058387 |
| 1,2,3-Trichloropropane | | | 0.5 | 0.1653111 | 1 | 0.1924749 | 2 | 0.1950584 | 5 | 0.2226539 | 10 | 0.2210394 |
| 1,1,2-Trichloro-1,2,2-trifluoroeth | 0.4 | 0.3324707 | 0.5 | 0.3340675 | 1 | 0.3433899 | 2 | 0.3364239 | 5 | 0.3924781 | 10 | 0.417423 |
| 1,2,3-Trimethylbenzene | 0.4 | 1.977464 | 0.5 | 1.968277 | 1 | 2.168233 | 2 | 2.109126 | 5 | 2.314429 | 10 | 2.430706 |
| 1,2,4-Trimethylbenzene | 0.4 | 1.708317 | 0.5 | 1.81947 | 1 | 1.908812 | 2 | 1.847038 | 5 | 2.089612 | 10 | 2.203989 |
| 1,3,5-Trimethylbenzene | 0.4 | 2.079306 | 0.5 | 2.037032 | 1 | 2.191996 | 2 | 2.15456 | 5 | 2.367736 | 10 | 2.488311 |
| Vinyl Acetate | 4 | 1.528564 | 5 | 1.606561 | 10 | 1.636214 | 20 | 1.609302 | 50 | 1.780601 | 100 | 1.854938 |
| Vinyl Chloride | 0.4 | 0.5915279 | 0.5 | 0.5920438 | 1 | 0.6721035 | 2 | 0.6122226 | 5 | 0.6960673 | 10 | 0.7249905 |
| m+p Xylene | 0.8 | 1.735937 | 1 | 1.821753 | 2 | 1.956486 | 4 | 1.902519 | 10 | 2.04803 | 20 | 2.146281 |
| o-Xylene | 0.4 | 1.824423 | 0.5 | 1.917941 | 1 | 1.981444 | 2 | 1.917711 | 5 | 2.122527 | 10 | 2.188154 |
| 1,2-Dichloroethane-d4 | 25 | 0.7052498 | 25 | 0.6952476 | 25 | 0.7024099 | 25 | 0.6938287 | 25 | 0.7107608 | 25 | 0.6887815 |
| Toluene-d8 | 25 | 1.226161 | 25 | 1.219143 | 25 | 1.229402 | 25 | 1.223725 | 25 | 1.241405 | 25 | 1.246397 |
| 4-Bromofluorobenzene | 25 | 0.9579378 | 25 | 0.9460039 | 25 | 0.9496799 | 25 | 0.9600481 | 25 | 0.9595791 | 25 | 0.9605277 |

# 6 - FORM VI
# INITIAL CALIBRATION DATA SHEET (Continued)

*SW-846 8260D*

Client: NYDEC GES - Amherst, NY SDG: 22K1601

Project: 275 Franklin St, Buffalo - CO 144192

Calibration: 2200668 Instrument: GCMSVOA2

Calibration Date: 9/23/2022 10:27:32AM

| Compound | Level 07 | | Level 08 | | Level 09 | | Level 10 | | Level 11 | | Level 12 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | RF | | RF | | RF | | RF | | RF | | RF |
| Acetone | 200 | 0.2621166 | 500 | 0.2372128 | 1000 | 0.2293616 | 2000 | 0.2345574 | | | | |
| Acrolein | 200 | 0.1372109 | 500 | 0.1873617 | 1000 | 0.1827106 | 2000 | 0.1848265 | | | | |
| Acrylonitrile | 20 | 0.3245647 | 50 | 0.322922 | 100 | 0.3170064 | 200 | 0.3307411 | | | | |
| tert-Amyl Methyl Ether (TAME) | 20 | 1.336101 | 50 | 1.334322 | 100 | 1.317554 | 200 | 1.331087 | | | | |
| Benzene | 20 | 1.723777 | 50 | 1.741541 | 100 | 1.701492 | 200 | 1.699498 | | | | |
| Bromobenzene | 20 | 1.073362 | 50 | 1.088557 | 100 | 1.062821 | 200 | 1.075379 | | | | |
| Bromochloromethane | 20 | 0.2171541 | 50 | 0.2152314 | 100 | 0.2108356 | 200 | 0.1812751 | | | | |
| Bromodichloromethane | 20 | 0.415434 | 50 | 0.4198787 | 100 | 0.4218271 | 200 | 0.4207371 | | | | |
| Bromoform | 20 | 0.4939241 | 50 | 0.5225698 | 100 | 0.518624 | 200 | 0.5231924 | | | | |
| Bromomethane | 20 | 0.1907842 | 50 | 0.2789965 | 100 | 0.2304719 | 200 | 0.257735 | | | | |
| 2-Butanone (MEK) | 200 | 0.3931169 | 500 | 0.3795801 | 1000 | 0.3756307 | 2000 | 0.3860862 | | | | |
| tert-Butyl Alcohol (TBA) | 200 | 8.391186E-02 | 500 | 8.015153E-02 | 1000 | 0.0794196 | 2000 | 7.249439E-02 | | | | |
| n-Butylbenzene | 20 | 2.11684 | 50 | 2.204377 | 100 | 2.217419 | 200 | 2.199282 | | | | |
| sec-Butylbenzene | 20 | 2.689406 | 50 | 2.755129 | 100 | 2.774167 | 200 | 2.737192 | | | | |
| tert-Butylbenzene | 20 | 1.879208 | 50 | 1.915635 | 100 | 1.929856 | 200 | 1.905103 | | | | |
| tert-Butyl Ethyl Ether (TBEE) | 20 | 2.069565 | 50 | 2.059082 | 100 | 2.038074 | 200 | 2.067342 | | | | |
| Carbon Disulfide | 200 | 1.286764 | 500 | 1.264427 | 1000 | 1.235422 | 2000 | 1.278046 | | | | |
| Carbon Tetrachloride | 20 | 0.68643 | 50 | 0.7083449 | 100 | 0.6964637 | 200 | 0.7000451 | | | | |
| Chlorobenzene | 20 | 1.596783 | 50 | 1.635498 | 100 | 1.600399 | 200 | 1.599329 | | | | |
| Chlorodibromomethane | 20 | 0.3361794 | 50 | 0.3497358 | 100 | 0.3500205 | 200 | 0.3592407 | | | | |
| Chloroethane | 20 | 0.4226873 | 50 | 0.4120713 | 100 | 0.4005642 | 200 | 0.3622642 | | | | |
| 2-Chloroethyl Vinyl Ether | 200 | 0.2994242 | 500 | 0.2927852 | 1000 | 0.2823214 | 2000 | 0.2729905 | | | | |
| Chloroform | 20 | 0.7998171 | 50 | 0.8080445 | 100 | 0.7986517 | 200 | 0.7977338 | | | | |
| Chloromethane | 20 | 1.030567 | 50 | 1.046486 | 100 | 1.041794 | 200 | 1.111166 | | | | |
| 2-Chlorotoluene | 20 | 1.963474 | 50 | 1.998415 | 100 | 1.95797 | 200 | 1.948044 | | | | |
| 4-Chlorotoluene | 20 | 2.305456 | 50 | 2.383581 | 100 | 2.339163 | 200 | 2.323651 | | | | |
| Cyclohexane | 20 | 1.389924 | 50 | 1.395497 | 100 | 1.354129 | 200 | 1.352245 | | | | |
| 1,2-Dibromo-3-chloropropane (D | 20 | 0.1249694 | 50 | 0.1297347 | 100 | 0.1287818 | 200 | 0.1310112 | | | | |
| 1,2-Dibromoethane (EDB) | 20 | 0.2909252 | 50 | 0.2949072 | 100 | 0.2983401 | 200 | 0.3022936 | | | | |
| Dibromomethane | 20 | 0.1888041 | 50 | 0.19061 | 100 | 0.1892298 | 200 | 0.187132 | | | | |
| 1,2-Dichlorobenzene | 20 | 1.1617 | 50 | 1.161309 | 100 | 1.173462 | 200 | 1.147217 | | | | |

# 6 - FORM VI
# INITIAL CALIBRATION DATA SHEET (Continued)

*SW-846 8260D*

Client: NYDEC GES - Amherst, NY SDG: 22K1601

Project: 275 Franklin St, Buffalo - CO 144192

Calibration: 2200668 Instrument: GCMSVOA2

Calibration Date: 9/23/2022 10:27:32AM

| Compound | Level 07 | | Level 08 | | Level 09 | | Level 10 | | Level 11 | | Level 12 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | RF | | RF | | RF | | RF | | RF | | RF |
| 1,3-Dichlorobenzene | 20 | 1.253503 | 50 | 1.271969 | 100 | 1.283085 | 200 | 1.270086 | | | | |
| 1,4-Dichlorobenzene | 20 | 1.291828 | 50 | 1.293295 | 100 | 1.306451 | 200 | 1.302003 | | | | |
| trans-1,4-Dichloro-2-butene | 20 | 0.4533596 | 50 | 0.4639459 | 100 | 0.4496528 | 200 | 0.4536045 | | | | |
| Dichlorodifluoromethane (Freon | 20 | 0.5605745 | 50 | 0.557959 | 100 | 0.5454541 | 200 | 0.5314167 | | | | |
| 1,1-Dichloroethane | 20 | 1.007972 | 50 | 1.01722 | 100 | 1.006753 | 200 | 1.012032 | | | | |
| 1,2-Dichloroethane | 20 | 0.5362885 | 50 | 0.5494693 | 100 | 0.5412436 | 200 | 0.5377942 | | | | |
| 1,1-Dichloroethylene | 20 | 0.8876643 | 50 | 0.9100408 | 100 | 0.8880398 | 200 | 0.8937902 | | | | |
| cis-1,2-Dichloroethylene | 20 | 0.9648168 | 50 | 0.9786075 | 100 | 0.9749916 | 200 | 0.9855164 | | | | |
| trans-1,2-Dichloroethylene | 20 | 0.8410408 | 50 | 0.8750913 | 100 | 0.8729803 | 200 | 0.868756 | | | | |
| Dichlorofluoromethane (Freon 2 | 20 | 0.8829548 | 50 | 0.8970063 | 100 | 0.8702931 | 200 | 0.8891211 | | | | |
| 1,2-Dichloropropane | 20 | 0.3772376 | 50 | 0.3862792 | 100 | 0.3870339 | 200 | 0.3842241 | | | | |
| 1,3-Dichloropropane | 20 | 0.4656879 | 50 | 0.4728817 | 100 | 0.4710957 | 200 | 0.4748626 | | | | |
| 2,2-Dichloropropane | 20 | 0.7066225 | 50 | 0.7389258 | 100 | 0.725124 | 200 | 0.7217735 | | | | |
| 1,1-Dichloropropene | 20 | 0.6512527 | 50 | 0.6538385 | 100 | 0.643242 | 200 | 0.6435046 | | | | |
| cis-1,3-Dichloropropene | 20 | 0.486445 | 50 | 0.4979461 | 100 | 0.4938376 | 200 | 0.4957089 | | | | |
| trans-1,3-Dichloropropene | 20 | 0.4294754 | 50 | 0.438366 | 100 | 0.4415149 | 200 | 0.4493956 | | | | |
| Diethyl Ether | 20 | 0.4784241 | 50 | 0.4661824 | 100 | 0.4648391 | 200 | 0.4563855 | | | | |
| Difluorochloromethane (Freon 2 | 20 | 1.046452 | 50 | 1.045174 | 100 | 1.013961 | 200 | 1.012874 | | | | |
| Diisopropyl Ether (DIPE) | 20 | 2.693216 | 50 | 2.715732 | 100 | 2.697727 | 200 | 2.675423 | | | | |
| 1,4-Dioxane | 200 | 4.421087E-03 | 500 | 4.193039E-03 | 1000 | 4.275622E-03 | 2000 | 4.42353E-03 | | | | |
| Ethanol | 200 | 9.796532E-03 | 500 | 1.483549E-02 | 1000 | 1.410147E-02 | 2000 | 1.400815E-02 | | | | |
| Ethyl Acetate | 20 | 0.9832268 | 50 | 0.9481425 | 100 | 0.9315628 | 200 | 0.9862884 | | | | |
| Ethylbenzene | 20 | 2.75174 | 50 | 2.831985 | 100 | 2.748517 | 200 | 2.731503 | | | | |
| Hexachlorobutadiene | 20 | 0.3467117 | 50 | 0.3733322 | 100 | 0.3869635 | 200 | 0.386119 | | | | |
| 2-Hexanone (MBK) | 200 | 0.4355663 | 500 | 0.4337993 | 1000 | 0.4289227 | 2000 | 0.4282993 | | | | |
| Iodomethane | 200 | 0.6734792 | 500 | 0.6797457 | 1000 | 0.6692898 | 2000 | 0.6235893 | | | | |
| Isopropylbenzene (Cumene) | 20 | 2.908438 | 50 | 3.025911 | 100 | 2.930223 | 200 | 2.921526 | | | | |
| p-Isopropyltoluene (p-Cymene) | 20 | 2.342987 | 50 | 2.463191 | 100 | 2.475034 | 200 | 2.449064 | | | | |
| Methyl Acetate | 20 | 0.8437495 | 50 | 0.8433178 | 100 | 0.8138038 | 200 | 0.8218615 | | | | |
| Methyl tert-Butyl Ether (MTBE) | 20 | 1.291985 | 50 | 1.289108 | 100 | 1.262683 | 200 | 1.25948 | | | | |
| Methyl Cyclohexane | 20 | 0.5479298 | 50 | 0.5603825 | 100 | 0.5492354 | 200 | 0.5362713 | | | | |

# 6 - FORM VI
# INITIAL CALIBRATION DATA SHEET (Continued)

*SW-846 8260D*

Client: NYDEC GES - Amherst, NY SDG: 22K1601

Project: 275 Franklin St, Buffalo - CO 144192

Calibration: 2200668 Instrument: GCMSVOA2

Calibration Date: 9/23/2022 10:27:32AM

| Compound | Level 07 | | Level 08 | | Level 09 | | Level 10 | | Level 11 | | Level 12 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | RF | | RF | | RF | | RF | | RF | | RF |
| Methylene Chloride | 20 | 1.029256 | 50 | 1.036798 | 100 | 1.017483 | 200 | 1.031493 | | | | |
| 4-Methyl-2-pentanone (MIBK) | 200 | 0.5782805 | 500 | 0.5944138 | 1000 | 0.5839683 | 2000 | 0.5841708 | | | | |
| Naphthalene | 20 | 1.5806 | 50 | 1.621936 | 100 | 1.612145 | 200 | 1.570715 | | | | |
| n-Propylbenzene | 20 | 3.486584 | 50 | 3.58349 | 100 | 3.475405 | 200 | 3.441935 | | | | |
| Styrene | 20 | 1.858769 | 50 | 1.89933 | 100 | 1.879761 | 200 | 1.886116 | | | | |
| 1,1,1,2-Tetrachloroethane | 20 | 0.6155226 | 50 | 0.6375462 | 100 | 0.6274839 | 200 | 0.6378736 | | | | |
| 1,1,2,2-Tetrachloroethane | 20 | 0.7541836 | 50 | 0.7564632 | 100 | 0.7313928 | 200 | 0.7244111 | | | | |
| Tetrachloroethylene | 20 | 0.2865412 | 50 | 0.2923383 | 100 | 0.2900437 | 200 | 0.2904645 | | | | |
| Tetrahydrofuran | 20 | 0.2646165 | 50 | 0.265577 | 100 | 0.2620061 | 200 | 0.2703631 | | | | |
| Toluene | 20 | 1.243269 | 50 | 1.269481 | 100 | 1.256941 | 200 | 1.242507 | | | | |
| 1,2,3-Trichlorobenzene | 20 | 0.5651251 | 50 | 0.588788 | 100 | 0.5990313 | 200 | 0.5875979 | | | | |
| 1,2,4-Trichlorobenzene | 20 | 0.7038909 | 50 | 0.7291929 | 100 | 0.7535539 | 200 | 0.7411435 | | | | |
| 1,3,5-Trichlorobenzene | 20 | 0.9003037 | 50 | 0.9337405 | 100 | 0.9479186 | 200 | 0.9511012 | | | | |
| 1,1,1-Trichloroethane | 20 | 0.7487287 | 50 | 0.7725327 | 100 | 0.7516624 | 200 | 0.7545329 | | | | |
| 1,1,2-Trichloroethane | 20 | 0.2604479 | 50 | 0.2605756 | 100 | 0.2600144 | 200 | 0.2624591 | | | | |
| Trichloroethylene | 20 | 0.3091398 | 50 | 0.3185546 | 100 | 0.3148995 | 200 | 0.3115312 | | | | |
| Trichlorofluoromethane (Freon 1 | 20 | 0.7055565 | 50 | 0.7328362 | 100 | 0.7069582 | 200 | 0.7078401 | | | | |
| 1,2,3-Trichloropropane | 20 | 0.2297565 | 50 | 0.2332664 | 100 | 0.2282213 | 200 | 0.2250624 | | | | |
| 1,1,2-Trichloro-1,2,2-trifluoroeth | 20 | 0.427991 | 50 | 0.4320916 | 100 | 0.4157197 | 200 | 0.4113445 | | | | |
| 1,2,3-Trimethylbenzene | 20 | 2.39821 | 50 | 2.350884 | 100 | 2.359833 | 200 | 2.3438 | | | | |
| 1,2,4-Trimethylbenzene | 20 | 2.14316 | 50 | 2.21295 | 100 | 2.237111 | 200 | 2.213934 | | | | |
| 1,3,5-Trimethylbenzene | 20 | 2.491365 | 50 | 2.574821 | 100 | 2.510045 | 200 | 2.46854 | | | | |
| Vinyl Acetate | 200 | 1.913963 | 500 | 2.110496 | 1000 | 2.03169 | | | | | | |
| Vinyl Chloride | 20 | 0.7233287 | 50 | 0.7280449 | 100 | 0.7161084 | 200 | 0.7139583 | | | | |
| m+p Xylene | 40 | 2.176788 | 100 | 2.217393 | 200 | 2.17078 | 400 | 2.159681 | | | | |
| o-Xylene | 20 | 2.217972 | 50 | 2.259478 | 100 | 2.22473 | 200 | 2.213452 | | | | |
| 1,2-Dichloroethane-d4 | 25 | 0.6849953 | 25 | 0.6856938 | 25 | 0.6789559 | 25 | 0.6827723 | | | | |
| Toluene-d8 | 25 | 1.226325 | 25 | 1.251418 | 25 | 1.261729 | 25 | 1.253876 | | | | |
| 4-Bromofluorobenzene | 25 | 0.969322 | 25 | 0.9832519 | 25 | 0.9656611 | 25 | 0.9666866 | | | | |

# 6 - FORM VI
# INITIAL CALIBRATION DATA SHEET (Continued)

## SW-846 8260D

| | | | |
|---|---|---|---|
| Laboratory: | Pace New England | Work Order: | 22K1604 |
| Client: | NYDEC_GES - Amherst, NY | Project: | 275 Franklin St, Buffalo - CO 144192 |
| Calibration: | 2200668 | Instrument: | GCMSVOA2 |
| | | Calibration Date: | 9/23/2022 10:27:32AM |

| COMPOUND | Mean RF | RF RSD | Linear $r^2$ | Quad COD | LIMIT | Q |
|---|---|---|---|---|---|---|
| Acetone | 0.238786 | 5.1 | | | 20 | |
| Acrolein | 0.1526143 | 17.3 | | | 20 | |
| Acrylonitrile | 0.315009 | 6.3 | | | 20 | |
| tert-Amyl Methyl Ether (TAME) | 1.257547 | 8.4 | | | 20 | |
| Benzene | 1.649064 | 5.2 | | | 20 | |
| Bromobenzene | 1.018458 | 7.8 | | | 20 | |
| Bromochloromethane | 0.1968477 | 13.6 | | | 20 | |
| Bromodichloromethane | 0.3900733 | 10.3 | | | 20 | |
| Bromoform | 0.4587575 | 13.9 | | | 20 | |
| Bromomethane | 0.2509831 | 12.9 | | | 20 | |
| 2-Butanone (MEK) | 0.3571896 | 9.9 | | | 20 | |
| tert-Butyl Alcohol (TBA) | 7.544959E-02 | 7.5 | | | 20 | |
| n-Butylbenzene | 2.005073 | 10.0 | | | 20 | |
| sec-Butylbenzene | 2.545469 | 8.6 | | | 20 | |
| tert-Butylbenzene | 1.770109 | 8.7 | | | 20 | |
| tert-Butyl Ethyl Ether (TBEE) | 1.945647 | 7.9 | | | 20 | |
| Carbon Disulfide | 1.177679 | 9.6 | | | 20 | |
| Carbon Tetrachloride | 0.6726032 | 6.4 | | | 20 | |
| Chlorobenzene | 1.499661 | 9.4 | | | 20 | |
| Chlorodibromomethane | 0.3179661 | 11.4 | | | 20 | |
| Chloroethane | 0.3886458 | 6.8 | | | 20 | |
| 2-Chloroethyl Vinyl Ether | 0.2738182 | 8.7 | | | 20 | |
| Chloroform | 0.7874059 | 7.0 | | | 20 | |
| Chloromethane | 1.066904 | 3.5 | | | 20 | |
| 2-Chlorotoluene | 1.868194 | 6.4 | | | 20 | |
| 4-Chlorotoluene | 2.166374 | 9.3 | | | 20 | |
| Cyclohexane | 1.425292 | 5.7 | | | 20 | |
| 1,2-Dibromo-3-chloropropane (DBCP) | 0.1224495 | 7.4 | | | 20 | |
| 1,2-Dibromoethane (EDB) | 0.2706643 | 10.3 | | | 20 | |
| Dibromomethane | 0.1691666 | 14.7 | | | 20 | |
| 1,2-Dichlorobenzene | 1.087871 | 8.2 | | | 20 | |

# 6 - FORM VI
# INITIAL CALIBRATION DATA SHEET (Continued)

## SW-846 8260D

| | | | |
|---|---|---|---|
| Laboratory: | Pace New England | Work Order: | 22K1604 |
| Client: | NYDEC_GES - Amherst, NY | Project: | 275 Franklin St, Buffalo - CO 144192 |
| Calibration: | 2200668 | Instrument: | GCMSVOA2 |
| | | Calibration Date: | 9/23/2022 10:27:32AM |

| COMPOUND | Mean RF | RF RSD | Linear $r^2$ | Quad COD | LIMIT | Q |
|---|---|---|---|---|---|---|
| 1,3-Dichlorobenzene | 1.205725 | 6.3 | | | 20 | |
| 1,4-Dichlorobenzene | 1.220462 | 8.2 | | | 20 | |
| trans-1,4-Dichloro-2-butene | 0.4202342 | 8.7 | | | 20 | |
| Dichlorodifluoromethane (Freon 12) | 0.5245523 | 6.4 | | | 20 | |
| 1,1-Dichloroethane | 0.93662 | 9.7 | | | 20 | |
| 1,2-Dichloroethane | 0.5011401 | 9.8 | | | 20 | |
| 1,1-Dichloroethylene | 0.8406581 | 8.1 | | | 20 | |
| cis-1,2-Dichloroethylene | 0.9069879 | 9.4 | | | 20 | |
| trans-1,2-Dichloroethylene | 0.7958999 | 10.2 | | | 20 | |
| Dichlorofluoromethane (Freon 21) | 0.8677409 | 4.9 | | | 20 | |
| 1,2-Dichloropropane | 0.3595268 | 9.8 | | | 20 | |
| 1,3-Dichloropropane | 0.4279134 | 13.3 | | | 20 | |
| 2,2-Dichloropropane | 0.6950154 | 5.4 | | | 20 | |
| 1,1-Dichloropropene | 0.6097073 | 6.9 | | | 20 | |
| cis-1,3-Dichloropropene | 0.4543908 | 10.4 | | | 20 | |
| trans-1,3-Dichloropropene | 0.3954146 | 13.4 | | | 20 | |
| Diethyl Ether | 0.4498622 | 7.4 | | | 20 | |
| Difluorochloromethane (Freon 22) | 0.9947701 | 5.5 | | | 20 | |
| Diisopropyl Ether (DIPE) | 2.546082 | 6.7 | | | 20 | |
| 1,4-Dioxane | 4.207708E-03 | 4.9 | | | 20 | |
| Ethanol | 1.265842E-02 | 15.9 | | | 20 | |
| Ethyl Acetate | 0.9540238 | 3.5 | | | 20 | |
| Ethylbenzene | 2.559739 | 9.5 | | | 20 | |
| Hexachlorobutadiene | 0.3320099 | 13.8 | | | 20 | |
| 2-Hexanone (MBK) | 0.4046183 | 7.7 | | | 20 | |
| Iodomethane | 0.6095881 | 13.1 | | | 20 | |
| Isopropylbenzene (Cumene) | 2.737554 | 8.5 | | | 20 | |
| p-Isopropyltoluene (p-Cymene) | 2.23095 | 9.8 | | | 20 | |
| Methyl Acetate | 0.8029664 | 6.0 | | | 20 | |
| Methyl tert-Butyl Ether (MTBE) | 1.219111 | 6.6 | | | 20 | |
| Methyl Cyclohexane | 0.5137859 | 8.5 | | | 20 | |

# 6 - FORM VI
# INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8260D

| | | | |
|---|---|---|---|
| Laboratory: | Pace New England | Work Order: | 22K1604 |
| Client: | NYDEC_GES - Amherst, NY | Project: | 275 Franklin St, Buffalo - CO 144192 |
| Calibration: | 2200668 | Instrument: | GCMSVOA2 |
| | | Calibration Date: | 9/23/2022 10:27:32AM |

| COMPOUND | Mean RF | RF RSD | Linear $r^2$ | Quad COD | LIMIT | Q |
|---|---|---|---|---|---|---|
| Methylene Chloride | 0.9862663 | 4.9 | | | 20 | |
| 4-Methyl-2-pentanone (MIBK) | 0.541737 | 8.8 | | | 20 | |
| Naphthalene | 1.468087 | 9.8 | | | 20 | |
| n-Propylbenzene | 3.265343 | 8.0 | | | 20 | |
| Styrene | 1.704195 | 12.1 | | | 20 | |
| 1,1,1,2-Tetrachloroethane | 0.5819096 | 10.6 | | | 20 | |
| 1,1,2,2-Tetrachloroethane | 0.7038898 | 6.7 | | | 20 | |
| Tetrachloroethylene | 0.2627327 | 12.6 | | | 20 | |
| Tetrahydrofuran | 0.2719098 | 3.3 | | | 20 | |
| Toluene | 1.184721 | 7.0 | | | 20 | |
| 1,2,3-Trichlorobenzene | 0.5344218 | 11.4 | | | 20 | |
| 1,2,4-Trichlorobenzene | 0.6532933 | 13.0 | | | 20 | |
| 1,3,5-Trichlorobenzene | 0.859638 | 9.6 | | | 20 | |
| 1,1,1-Trichloroethane | 0.7059811 | 9.0 | | | 20 | |
| 1,1,2-Trichloroethane | 0.2405517 | 10.2 | | | 20 | |
| Trichloroethylene | 0.2898346 | 11.5 | | | 20 | |
| Trichlorofluoromethane (Freon 11) | 0.6600919 | 9.3 | | | 20 | |
| 1,2,3-Trichloropropane | 0.2125383 | 10.8 | | | 20 | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1 | 0.38434 | 11.1 | | | 20 | |
| 1,2,3-Trimethylbenzene | 2.242096 | 7.7 | | | 20 | |
| 1,2,4-Trimethylbenzene | 2.038439 | 9.7 | | | 20 | |
| 1,3,5-Trimethylbenzene | 2.336371 | 8.6 | | | 20 | |
| Vinyl Acetate | 1.785814 | 11.5 | | | 20 | |
| Vinyl Chloride | 0.6770396 | 8.4 | | | 20 | |
| m+p Xylene | 2.033565 | 8.3 | | | 20 | |
| o-Xylene | 2.086783 | 7.7 | | | 20 | |
| 1,2-Dichloroethane-d4 | 0.6928696 | 1.5 | | | 20 | |
| Toluene-d8 | 1.237958 | 1.2 | | | 20 | |
| 4-Bromofluorobenzene | 0.9618698 | 1.1 | | | 20 | |

# INITIAL CALIBRATION STANDARDS

## SW-846 8260D

| | | | |
|---|---|---|---|
| Laboratory: | Pace New England | Work Order: | 22K1604 |
| Client: | NYDEC_GES - Amherst, NY | Project: | 275 Franklin St, Buffalo - CO 144192 |
| Sequence: | S076983 | Instrument: | GCMSVOA2 |
| Calibration: | 2200668 | | |

| Standard ID | Description | Lab Sample ID | Lab File ID | Analysis Date/Time |
|---|---|---|---|---|
| 2007196 | 8260 STD 10PPB CLP | S076983-TUN1 | B22V26606.D | 09/23/22 10:27 |
| 2006160 | 0.4ppb 8260 Calibration Standard | S076983-CAL1 | B22V26607.D | 09/23/22 10:53 |
| 2006161 | 0.5ppb 8260 Calibration Standard | S076983-CAL2 | B22V26608.D | 09/23/22 11:20 |
| 2006162 | 1ppb 8260 Calibration Standard | S076983-CAL3 | B22V26609.D | 09/23/22 11:46 |
| 2006163 | 2ppb 8260 Calibration Standard | S076983-CAL4 | B22V26610.D | 09/23/22 12:12 |
| 2006164 | 5ppb 8260 Calibration Standard | S076983-CAL5 | B22V26611.D | 09/23/22 12:38 |
| 2006165 | 10ppb 8260 Calibration Standard | S076983-CAL6 | B22V26612.D | 09/23/22 13:04 |
| 2006166 | 20ppb 8260 Calibration Standard | S076983-CAL7 | B22V26613.D | 09/23/22 13:30 |
| 2006167 | 50ppb 8260 Calibration Standard | S076983-CAL8 | B22V26614.D | 09/23/22 13:56 |
| 2006168 | 100ppb 8260 Calibration Standard | S076983-CAL9 | B22V26615.D | 09/23/22 14:22 |
| 2006169 | 200ppb 8260 Calibration Standard | S076983-CALA | B22V26616.D | 09/23/22 14:48 |
| 2006167 | 50ppb 8260 Calibration Standard | S076983-CAL8 | B22V26617.D | 09/23/22 15:15 |
| 2006168 | 100ppb 8260 Calibration Standard | S076983-CAL9 | B22V26618.D | 09/23/22 15:41 |
| 2006169 | 200ppb 8260 Calibration Standard | S076983-CALA | B22V26619.D | 09/23/22 16:07 |

\\Voa2\MSDChem\1\DATA\B092322\

| Date | Filename | Lab ID | Sample Info |
|---|---|---|---|
| 23 Sep 2022 5:54 am | B22V26601.D | CLEAN UP | |
| 23 Sep 2022 6:20 am | B22V26602.D | CLEAN UP | |
| 23 Sep 2022 6:46 am | B22V26603.D | 22I1324-01 @ 100X | |
| 23 Sep 2022 9:35 am | B22V26604.D | CLEAN UP | |
| 23 Sep 2022 10:01 am | B22V26605.D | CLEAN UP | |
| 23 Sep 2022 10:27 am | B22V26606.D | BFB | |
| 23 Sep 2022 10:53 am | B22V26607.D | 8260 STD 0.4 PPB 2209385 | |
| 23 Sep 2022 11:20 am | B22V26608.D | 8260 STD 0.5 PPB 2209385 | |
| 23 Sep 2022 11:46 am | B22V26609.D | 8260 STD 1.0 PPB 2209385 | |
| 23 Sep 2022 12:12 pm | B22V26610.D | 8260 STD 2.0 PPB 2209385 | |
| 23 Sep 2022 12:38 pm | B22V26611.D | 8260 STD 5.0 PPB 2209385 | |
| 23 Sep 2022 1:04 pm | B22V26612.D | 8260 STD 10 PPB 2209385 | |
| 23 Sep 2022 1:30 pm | B22V26613.D | 8260 STD 20 PPB 2209385 | |
| 23 Sep 2022 1:56 pm | B22V26614.D | 8260 STD 50 PPB 2209385 | |
| 23 Sep 2022 2:22 pm | B22V26615.D | 8260 STD 100 PPB 2209385 | |
| 23 Sep 2022 2:48 pm | B22V26616.D | 8260 STD 200 PPB 2209385 | |
| 23 Sep 2022 3:15 pm | B22V26617.D | ETOH STD 500 PPB | |
| 23 Sep 2022 3:41 pm | B22V26618.D | ETOH STD 1000 PPB | |
| 23 Sep 2022 4:07 pm | B22V26619.D | ETOH STD 2000 PPB | |
| 23 Sep 2022 4:33 pm | B22V26620.D | BLK | |
| 23 Sep 2022 4:59 pm | B22V26621.D | BLK | |
| 23 Sep 2022 5:25 pm | B22V26622.D | BLK | |
| 23 Sep 2022 5:51 pm | B22V26623.D | ICV 2208129 | |
| 23 Sep 2022 6:17 pm | B22V26624.D | ICVD 2208129 | |
| 23 Sep 2022 6:44 pm | B22V26625.D | BLK | |
| 23 Sep 2022 7:10 pm | B22V26626.D | BFB | |
| 23 Sep 2022 7:36 pm | B22V26627.D | 8260STD 10PPB 2209385 | |
| 23 Sep 2022 8:02 pm | B22V26628.D | B0-BS1 @ (20 PPB HCL) | |
| 23 Sep 2022 8:28 pm | B22V26629.D | B0-BSD1 @ (20 PPB HCL) | |
| 23 Sep 2022 8:54 pm | B22V26630.D | BLK | |
| 23 Sep 2022 9:21 pm | B22V26631.D | BLK | |
| 23 Sep 2022 9:47 pm | B22V26632.D | B0-BLK1 @ HCL | |
| 23 Sep 2022 10:13 pm | B22V26633.D | 22I0947-01 | |
| 23 Sep 2022 10:39 pm | B22V26634.D | 22I1225-01 | |
| 23 Sep 2022 11:05 pm | B22V26635.D | 22I1218-01 | |
| 23 Sep 2022 11:31 pm | B22V26636.D | 22I1218-02 | |
| 23 Sep 2022 11:57 pm | B22V26637.D | 22I1218-03 | |
| 24 Sep 2022 12:23 am | B22V26638.D | 22I1325-01 | |
| 24 Sep 2022 12:50 am | B22V26639.D | 22I1325-02 | |
| 24 Sep 2022 1:16 am | B22V26640.D | 22I1326-01 | |
| 24 Sep 2022 1:42 am | B22V26641.D | 22I1307-01 @ A/A | |
| 24 Sep 2022 2:08 am | B22V26642.D | 22I1307-01 @ (624) | |
| 24 Sep 2022 2:34 am | B22V26643.D | BLK | |
| 24 Sep 2022 3:00 am | B22V26644.D | 22I1324-01 | |
| 24 Sep 2022 3:26 am | B22V26645.D | BLK | |
| 24 Sep 2022 3:52 am | B22V26646.D | 22I1194-01 | |
| 24 Sep 2022 4:18 am | B22V26647.D | BLK | |
| 24 Sep 2022 4:45 am | B22V26648.D | 22I1288-01 @ 50X | 50 |
| 24 Sep 2022 5:11 am | B22V26649.D | 22I1225-01MS1 | |
| 24 Sep 2022 5:37 am | B22V26650.D | 22I1225-01MSD1 | |
| 24 Sep 2022 6:03 am | B22V26651.D | BLK | |
| 24 Sep 2022 6:29 am | B22V26652.D | 22I1422-01 @ 100X | 100 |
| 24 Sep 2022 6:55 am | B22V26653.D | 22I1422-02 @ 100X | 100 |
| 24 Sep 2022 7:21 am | B22V26654.D | 22I1399-01 @ 100X | 100 |
| 24 Sep 2022 7:48 am | B22V26655.D | 22I1399-02 @ 100X | 100 |
| 24 Sep 2022 8:14 am | B22V26656.D | 22I1399-03 @ 100X | 100 |
| 24 Sep 2022 8:40 am | B22V26657.D | 22I1399-04 @ 100X | 100 |
| 24 Sep 2022 9:06 am | B22V26658.D | 22I1399-05 @ 100X | 100 |
| 24 Sep 2022 9:32 am | B22V26659.D | 22I1399-07 @ 100X | 100 |
| 24 Sep 2022 9:58 am | B22V26660.D | 22I1399-09 @ 100X | 100 |
| 24 Sep 2022 10:24 am | B22V26661.D | 22I1399-10 @ 100X | 100 |
| 24 Sep 2022 10:51 am | B22V26662.D | 22I1399-11 @ 100X | 100 |
| 24 Sep 2022 11:17 am | B22V26663.D | CLEAN UP | |

# Response Factor Report GCMSVOA2

Method Path : Y:\1\METHODS\
Method File : B092322W.M
Title : 8260 CALIBRATION VOAMS 5973
Last Update : Mon Sep 26 08:46:52 2022
Response Via : Initial Calibration

Calibration Files
0.4 =B22V26607.D 0.5 =B22V26608.D 1.0 =B22V26609.D 2.0 =B22V26610.D 5.0 =B22V26611.D 10 =B22V26612.D 20 =B22V26613.D
50 =B22V26614.D 100 =B22V26615.D 200 =B22V26616.D

| | | Compound | 0.4 | 0.5 | 1.0 | 2.0 | 5.0 | 10 | 20 | 50 | 100 | 200 | Avg | %RSD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1) | I | PENTAFLUOROBENZENE... | ISTD | | | | | | | | | | | |
| 2) | S | 1,2-DICHLOROET... | 0.705 | 0.695 | 0.702 | 0.694 | 0.711 | 0.689 | 0.685 | 0.686 | 0.679 | 0.683 | 0.693 | 1.52 |
| 3) | T | DICHLORODIFLOU... | 0.503 | 0.475 | 0.511 | 0.472 | 0.527 | 0.563 | 0.561 | 0.558 | 0.545 | 0.531 | 0.525 | 6.44 |
| 4) | | DIFLUOROCHLORO... | 0.887 | 0.963 | 0.976 | 0.946 | 0.986 | 1.071 | 1.046 | 1.045 | 1.014 | 1.013 | 0.995 | 5.53 |
| 5) | P | CHLOROMETHANE | 1.117 | 1.051 | 1.076 | 1.011 | 1.068 | 1.117 | 1.031 | 1.046 | 1.042 | 1.111 | 1.067 | 3.54 |
| 6) | C | VINYL CHLORIDE | 0.592 | 0.592 | 0.672 | 0.612 | 0.696 | 0.725 | 0.723 | 0.728 | 0.716 | 0.714 | 0.677 | 8.39# |
| 7) | T | BROMOMETHANE | | | | 0.287 | 0.261 | 0.251 | 0.191 | 0.279 | 0.230 | 0.258 | 0.251 | 12.87 |
| 8) | | CHLOROETHANE | 0.389 | 0.343 | 0.381 | 0.361 | 0.398 | 0.416 | 0.423 | 0.412 | 0.401 | 0.362 | 0.389 | 6.80 |
| 9) | | FLUORODICHLORO... | 0.892 | 0.826 | 0.860 | 0.769 | 0.879 | 0.913 | 0.883 | 0.897 | 0.870 | 0.889 | 0.868 | 4.85 |
| 10) | T | TRICHLOROFLUOR... | 0.597 | 0.573 | 0.626 | 0.576 | 0.669 | 0.706 | 0.706 | 0.733 | 0.707 | 0.708 | 0.660 | 9.28 |
| 11) | | ETHANOL | | | | | 0.012 | 0.011 | 0.010 | 0.015 | 0.014 | 0.014 | 0.013 | 15.87 |
| 12) | T | DI ETHYL ETHER | 0.375 | 0.434 | 0.435 | 0.439 | 0.450 | 0.499 | 0.478 | 0.466 | 0.465 | 0.456 | 0.450 | 7.40 |
| 13) | | ACROLEIN | 0.176 | 0.129 | 0.140 | 0.126 | 0.128 | 0.134 | 0.137 | 0.187 | 0.183 | 0.185 | 0.153 | 17.35 |
| 14) | T | ACETONE | 0.238 | 0.232 | 0.240 | 0.219 | 0.253 | 0.244 | 0.262 | 0.237 | 0.229 | 0.235 | 0.239 | 5.06 |
| 15) | C | 1,1-DICHLOROET... | 0.759 | 0.777 | 0.791 | 0.738 | 0.847 | 0.915 | 0.888 | 0.910 | 0.888 | 0.894 | 0.841 | 8.08# |
| 16) | | 1,1,2-TRICL-1,... | 0.332 | 0.334 | 0.343 | 0.336 | 0.392 | 0.417 | 0.428 | 0.432 | 0.416 | 0.411 | 0.384 | 11.06 |
| 17) | | IODOMETHANE | | | 0.467 | 0.512 | 0.598 | 0.653 | 0.673 | 0.680 | 0.669 | 0.624 | 0.610 | 13.07 |
| 18) | | METHYL ACETATE | | 0.747 | 0.749 | 0.726 | 0.849 | 0.833 | 0.844 | 0.843 | 0.814 | 0.822 | 0.803 | 6.02 |
| 19) | | T-BUTYL ALCOHOL | 0.066 | 0.073 | 0.070 | 0.071 | 0.079 | 0.079 | 0.084 | 0.080 | 0.079 | 0.072 | 0.075 | 7.47 |
| 20) | | ACRYLONITRILE | 0.341 | 0.322 | 0.298 | 0.269 | 0.314 | 0.310 | 0.325 | 0.323 | 0.317 | 0.331 | 0.315 | 6.31 |
| 21) | T | METHYLENE CHLO... | 0.985 | 0.935 | 0.935 | 0.901 | 0.975 | 1.017 | 1.029 | 1.037 | 1.017 | 1.031 | 0.986 | 4.90 |
| 22) | | CARBON DISULFIDE | 1.016 | 1.026 | 1.109 | 1.054 | 1.218 | 1.289 | 1.287 | 1.264 | 1.235 | 1.278 | 1.178 | 9.64 |
| 23) | T | METHYL TERT-BU... | 1.124 | 1.086 | 1.163 | 1.147 | 1.271 | 1.296 | 1.292 | 1.289 | 1.263 | 1.259 | 1.219 | 6.55 |
| 24) | T | TRANS 1,2-DICH... | 0.711 | 0.653 | 0.759 | 0.719 | 0.799 | 0.861 | 0.841 | 0.875 | 0.873 | 0.869 | 0.796 | 10.16 |
| 25) | P | 1,1-DICHLOROET... | 0.808 | 0.802 | 0.861 | 0.871 | 0.965 | 1.015 | 1.008 | 1.017 | 1.007 | 1.012 | 0.937 | 9.67 |
| 26) | | VINYL ACETATE | 1.529 | 1.607 | 1.636 | 1.609 | 1.781 | 1.855 | 1.914 | 2.110 | 2.032 | | 1.786 | 11.53 |
| 27) | | DI ISOPROPYL E... | 2.452 | 2.301 | 2.355 | 2.330 | 2.566 | 2.675 | 2.693 | 2.716 | 2.698 | 2.675 | 2.546 | 6.67 |
| 28) | T | 2-BUTANONE | 0.309 | 0.298 | 0.354 | 0.320 | 0.377 | 0.380 | 0.393 | 0.380 | 0.376 | 0.386 | 0.357 | 9.87 |
| 29) | | T-BUTYL ETHYL ... | 1.748 | 1.681 | 1.837 | 1.838 | 2.011 | 2.107 | 2.070 | 2.059 | 2.038 | 2.067 | 1.946 | 7.93 |
| 30) | T | CIS-1,2-DICHLO... | 0.755 | 0.807 | 0.874 | 0.833 | 0.912 | 0.984 | 0.965 | 0.979 | 0.975 | 0.986 | 0.907 | 9.36 |
| 31) | | 2,2-DICHLOROPR... | 0.646 | 0.715 | 0.666 | 0.627 | 0.687 | 0.717 | 0.707 | 0.739 | 0.725 | 0.722 | 0.695 | 5.37 |
| 32) | | ETHYL ACETATE | | | | 0.893 | 0.975 | 0.961 | 0.983 | 0.948 | 0.932 | 0.986 | 0.954 | 3.48 |
| 33) | | BROMOCHLOROMET... | 0.168 | 0.142 | 0.202 | 0.190 | 0.214 | 0.228 | 0.217 | 0.215 | 0.211 | 0.181 | 0.197 | 13.57 |
| 34) | T | TETRAHYDROFURAN | | | | 0.277 | 0.287 | 0.276 | 0.265 | 0.266 | 0.262 | 0.270 | 0.272 | 3.29 |
| 35) | | T-BUTYL FORMATE | | | | | | | | | | | 0.000 | -1.00 |
| 36) | C | CHLOROFORM | 0.896 | 0.693 | 0.760 | 0.725 | 0.775 | 0.820 | 0.800 | 0.808 | 0.799 | 0.798 | 0.787 | 7.00# |
| 37) | T | 1,1,1-TRICHLOR... | 0.640 | 0.605 | 0.664 | 0.632 | 0.730 | 0.760 | 0.749 | 0.773 | 0.752 | 0.755 | 0.706 | 8.96 |
| 38) | | CYCLOHEXANE | | | | 1.584 | 1.458 | 1.444 | 1.390 | 1.395 | 1.354 | 1.352 | 1.425 | 5.66 |
| 39) | T | CARBON TETRACH... | 0.713 | 0.650 | 0.651 | 0.566 | 0.672 | 0.681 | 0.686 | 0.708 | 0.696 | 0.700 | 0.673 | 6.42 |
| 40) | | 1,1-DICHLOROPR... | 0.563 | 0.584 | 0.567 | 0.544 | 0.604 | 0.642 | 0.651 | 0.654 | 0.643 | 0.644 | 0.610 | 6.91 |
| 41) | T | BENZENE | 1.585 | 1.519 | 1.639 | 1.521 | 1.621 | 1.739 | 1.724 | 1.742 | 1.701 | 1.699 | 1.649 | 5.18 |
| 42) | | T-AMYL ALCOHOL | | | | | | | | | | | 0.000 | -1.00 |
| 43) | | T-AMYLMETHYL E... | 1.089 | 1.096 | 1.190 | 1.198 | 1.314 | 1.370 | 1.336 | 1.334 | 1.318 | 1.331 | 1.258 | 8.36 |

Method Path : Y:\1\METHODS\
Method File : B092322W.M
Title : 8260 CALIBRATION VOAMS 5973

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 44) | I | 1,4-DIFLOUROBENZEN... | ----------ISTD---------- | | | | | | | | | | | |
| 45) | S | TOLUENE-D8 SS | 1.226 | 1.219 | 1.229 | 1.224 | 1.241 | 1.246 | 1.226 | 1.251 | 1.262 | 1.254 | 1.238 | 1.20 |
| 46) | T | 1,2-DICHLOROET... | 0.428 | 0.447 | 0.459 | 0.451 | 0.510 | 0.551 | 0.536 | 0.549 | 0.541 | 0.538 | 0.501 | 9.76 |
| 47) | T | TRICHLOROETHENE | 0.270 | 0.223 | 0.261 | 0.263 | 0.304 | 0.323 | 0.309 | 0.319 | 0.315 | 0.312 | 0.290 | 11.49 |
| 48) | | METHYLCYCLOHEXANE | 0.491 | 0.438 | 0.495 | 0.451 | 0.513 | 0.555 | 0.548 | 0.560 | 0.549 | 0.536 | 0.514 | 8.51 |
| 49) | C | 1,2-DICHLOROPR... | 0.298 | 0.308 | 0.359 | 0.328 | 0.374 | 0.393 | 0.377 | 0.386 | 0.387 | 0.384 | 0.360 | 9.76# |
| 50) | T | DIBROMOMETHANE | 0.140 | 0.123 | 0.148 | 0.161 | 0.172 | 0.191 | 0.189 | 0.191 | 0.189 | 0.187 | 0.169 | 14.69 |
| 51) | | 1,4-DIOXANE | | | | | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 4.93 |
| 52) | T | BROMODICHLOROM... | 0.313 | 0.344 | 0.354 | 0.387 | 0.394 | 0.431 | 0.415 | 0.420 | 0.422 | 0.421 | 0.390 | 10.34 |
| 53) | | 2-CHLOROETHYLV... | 0.240 | 0.240 | 0.258 | 0.257 | 0.293 | 0.303 | 0.299 | 0.293 | 0.282 | 0.273 | 0.274 | 8.71 |
| 54) | T | MIBK | 0.498 | 0.483 | 0.495 | 0.476 | 0.551 | 0.573 | 0.578 | 0.594 | 0.584 | 0.584 | 0.542 | 8.82 |
| 55) | T | CIS-1,3-DICHLO... | 0.398 | 0.369 | 0.428 | 0.422 | 0.457 | 0.496 | 0.486 | 0.498 | 0.494 | 0.496 | 0.454 | 10.39 |
| 56) | C | TOLUENE | 1.039 | 1.084 | 1.153 | 1.112 | 1.194 | 1.252 | 1.243 | 1.269 | 1.257 | 1.243 | 1.185 | 6.98# |
| 57) | T | TRANS-1,3,-DIC... | 0.287 | 0.353 | 0.368 | 0.353 | 0.408 | 0.426 | 0.429 | 0.438 | 0.442 | 0.449 | 0.395 | 13.39 |
| 58) | | ETHYL METHACRY... | | | | | | | | | | | 0.000 | -1.00 |
| 59) | T | 1,1,2-TRICHLOR... | 0.204 | 0.211 | 0.216 | 0.220 | 0.253 | 0.258 | 0.260 | 0.261 | 0.260 | 0.262 | 0.241 | 10.16 |
| 60) | | 2-HEXANONE | 0.367 | 0.378 | 0.378 | 0.355 | 0.417 | 0.425 | 0.436 | 0.434 | 0.429 | 0.428 | 0.405 | 7.75 |
| 61) | T | TETRACHLOROETHENE | 0.211 | 0.209 | 0.245 | 0.245 | 0.267 | 0.290 | 0.287 | 0.292 | 0.290 | 0.290 | 0.263 | 12.59 |
| 62) | | 1,3-DICHLOROPR... | 0.309 | 0.380 | 0.391 | 0.389 | 0.450 | 0.474 | 0.466 | 0.473 | 0.471 | 0.475 | 0.428 | 13.32 |
| 63) | T | DIBROMOCHLOROM... | 0.275 | 0.254 | 0.296 | 0.292 | 0.323 | 0.344 | 0.336 | 0.350 | 0.350 | 0.359 | 0.318 | 11.45 |
| 64) | T | 1,2-DIBROMOETHANE | 0.240 | 0.236 | 0.244 | 0.239 | 0.276 | 0.287 | 0.291 | 0.295 | 0.298 | 0.302 | 0.271 | 10.30 |
| 65) | I | CHLOROBENZENE-D5 ISTD | ----------ISTD---------- | | | | | | | | | | | |
| 66) | S | 4-BROMOFLUROBE... | 0.958 | 0.946 | 0.950 | 0.960 | 0.960 | 0.961 | 0.969 | 0.983 | 0.966 | 0.967 | 0.962 | 1.08 |
| 67) | P | CHLOROBENZENE | 1.269 | 1.308 | 1.455 | 1.350 | 1.567 | 1.616 | 1.597 | 1.635 | 1.600 | 1.599 | 1.500 | 9.44 |
| 68) | T | 1,1,1,2-TETRAC... | 0.454 | 0.508 | 0.566 | 0.556 | 0.595 | 0.622 | 0.616 | 0.638 | 0.627 | 0.638 | 0.582 | 10.58 |
| 69) | C | ETHYLBENZENE | 2.201 | 2.220 | 2.414 | 2.347 | 2.596 | 2.756 | 2.752 | 2.832 | 2.749 | 2.732 | 2.560 | 9.45# |
| 70) | T | M/P-XYLENES | 1.736 | 1.822 | 1.956 | 1.903 | 2.048 | 2.146 | 2.177 | 2.217 | 2.171 | 2.160 | 2.034 | 8.33 |
| 71) | T | 0-XYLENE | 1.824 | 1.918 | 1.981 | 1.918 | 2.123 | 2.188 | 2.218 | 2.259 | 2.225 | 2.213 | 2.087 | 7.67 |
| 72) | T | STYRENE | 1.361 | 1.401 | 1.581 | 1.596 | 1.723 | 1.855 | 1.859 | 1.899 | 1.880 | 1.886 | 1.704 | 12.14 |
| 73) | P | BROMOFORM | 0.375 | 0.351 | 0.419 | 0.417 | 0.473 | 0.494 | 0.494 | 0.523 | 0.519 | 0.523 | 0.459 | 13.88 |
| 74) | T | ISOPROPYLBENZENE | 2.472 | 2.366 | 2.540 | 2.555 | 2.758 | 2.899 | 2.908 | 3.026 | 2.930 | 2.922 | 2.738 | 8.53 |
| 75) | | CIS-1,4-DICHLO... | | | | | | | | | | | 0.000 | -1.00 |
| 76) | P | 1,1,2,2-TETRAC... | 0.612 | 0.692 | 0.657 | 0.663 | 0.712 | 0.736 | 0.754 | 0.756 | 0.731 | 0.724 | 0.704 | 6.68 |
| 77) | | 1,4-DICHLORO-2... | 0.369 | 0.405 | 0.384 | 0.370 | 0.416 | 0.438 | 0.453 | 0.464 | 0.450 | 0.454 | 0.420 | 8.69 |
| 78) | | BROMOBENZENE | 0.936 | 0.852 | 0.962 | 0.992 | 1.060 | 1.081 | 1.073 | 1.089 | 1.063 | 1.075 | 1.018 | 7.81 |
| 79) | T | 1,2,3-TRICHLOR... | | 0.165 | 0.192 | 0.195 | 0.223 | 0.221 | 0.230 | 0.233 | 0.228 | 0.225 | 0.213 | 10.83 |
| 80) | T | N-PROPYLBENZENE | 2.884 | 2.929 | 3.045 | 3.052 | 3.313 | 3.443 | 3.487 | 3.583 | 3.475 | 3.442 | 3.265 | 7.98 |
| 81) | T | 2-CHLOROT0LUENE | 1.650 | 1.714 | 1.793 | 1.801 | 1.923 | 1.933 | 1.963 | 1.998 | 1.958 | 1.948 | 1.868 | 6.41 |
| 82) | T | 1,3,5-TRIMETHY... | 2.079 | 2.037 | 2.192 | 2.155 | 2.368 | 2.488 | 2.491 | 2.575 | 2.510 | 2.469 | 2.336 | 8.59 |
| 83) | | 4-CHLOROTOLUENE | 1.829 | 1.908 | 1.983 | 2.070 | 2.205 | 2.317 | 2.305 | 2.384 | 2.339 | 2.324 | 2.166 | 9.34 |
| 84) | I | 1,4-DICHLOROBENZEN... | ----------ISTD---------- | | | | | | | | | | | |
| 85) | T | TERT-BUTYLBENZENE | 1.560 | 1.578 | 1.663 | 1.601 | 1.780 | 1.889 | 1.879 | 1.916 | 1.930 | 1.905 | 1.770 | 8.68 |
| 86) | T | 1,2,4-TRIMETHY... | 1.708 | 1.819 | 1.909 | 1.847 | 2.090 | 2.204 | 2.143 | 2.213 | 2.237 | 2.214 | 2.038 | 9.70 |
| 87) | | SEC-BUTYLBENZENE | 2.374 | 2.215 | 2.366 | 2.258 | 2.597 | 2.690 | 2.689 | 2.755 | 2.774 | 2.737 | 2.545 | 8.60 |
| 88) | T | 1,3-DICHLOROBE... | 1.101 | 1.109 | 1.131 | 1.144 | 1.218 | 1.275 | 1.254 | 1.272 | 1.283 | 1.270 | 1.206 | 6.26 |
| 89) | T | P-ISOPROPYLTOL... | 1.911 | 1.978 | 2.076 | 2.018 | 2.213 | 2.383 | 2.343 | 2.463 | 2.475 | 2.449 | 2.231 | 9.83 |
| 90) | T | 1,4-DICHLOROBE... | 1.066 | 1.122 | 1.134 | 1.104 | 1.271 | 1.314 | 1.292 | 1.293 | 1.306 | 1.302 | 1.220 | 8.21 |
| 91) | | 1,2,3-TRIMETHY... | 1.977 | 1.968 | 2.168 | 2.109 | 2.314 | 2.431 | 2.398 | 2.351 | 2.360 | 2.344 | 2.242 | 7.72 |
| 92) | T | N-BUTYLBENZENE | 1.737 | 1.753 | 1.896 | 1.762 | 2.016 | 2.150 | 2.117 | 2.204 | 2.217 | 2.199 | 2.005 | 10.02 |
| 93) | T | 1,2-DICHLOROBE... | 0.945 | 0.977 | 1.016 | 1.025 | 1.099 | 1.173 | 1.162 | 1.161 | 1.173 | 1.147 | 1.088 | 8.16 |

Method Path : Y:\1\METHODS\
Method File : B092322W.M
Title : 8260 CALIBRATION VOAMS 5973

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 94) | | 1,2-DIBROMO-3-... | | | 0.104 | 0.115 | 0.122 | 0.124 | 0.125 | 0.130 | 0.129 | 0.131 | 0.122 | 7.35 |
| 95) | | 1,3,5-TRICHLOR... | 0.756 | 0.746 | 0.797 | 0.772 | 0.879 | 0.914 | 0.900 | 0.934 | 0.948 | 0.951 | 0.860 | 9.65 |
| 96) | T | 1,2,4-TRICHLOR... | 0.543 | 0.521 | 0.587 | 0.595 | 0.667 | 0.692 | 0.704 | 0.729 | 0.754 | 0.741 | 0.653 | 13.03 |
| 97) | T | HEXACHLOROBUTA... | 0.290 | 0.254 | 0.297 | 0.293 | 0.343 | 0.349 | 0.347 | 0.373 | 0.387 | 0.386 | 0.332 | 13.77 |
| 98) | T | NAPHTHALENE | 1.249 | 1.295 | 1.367 | 1.317 | 1.529 | 1.539 | 1.581 | 1.622 | 1.612 | 1.571 | 1.468 | 9.83 |
| 99) | | 1,2,3-TRICHLOR... | 0.425 | 0.523 | 0.463 | 0.472 | 0.557 | 0.563 | 0.565 | 0.589 | 0.599 | 0.588 | 0.534 | 11.38 |

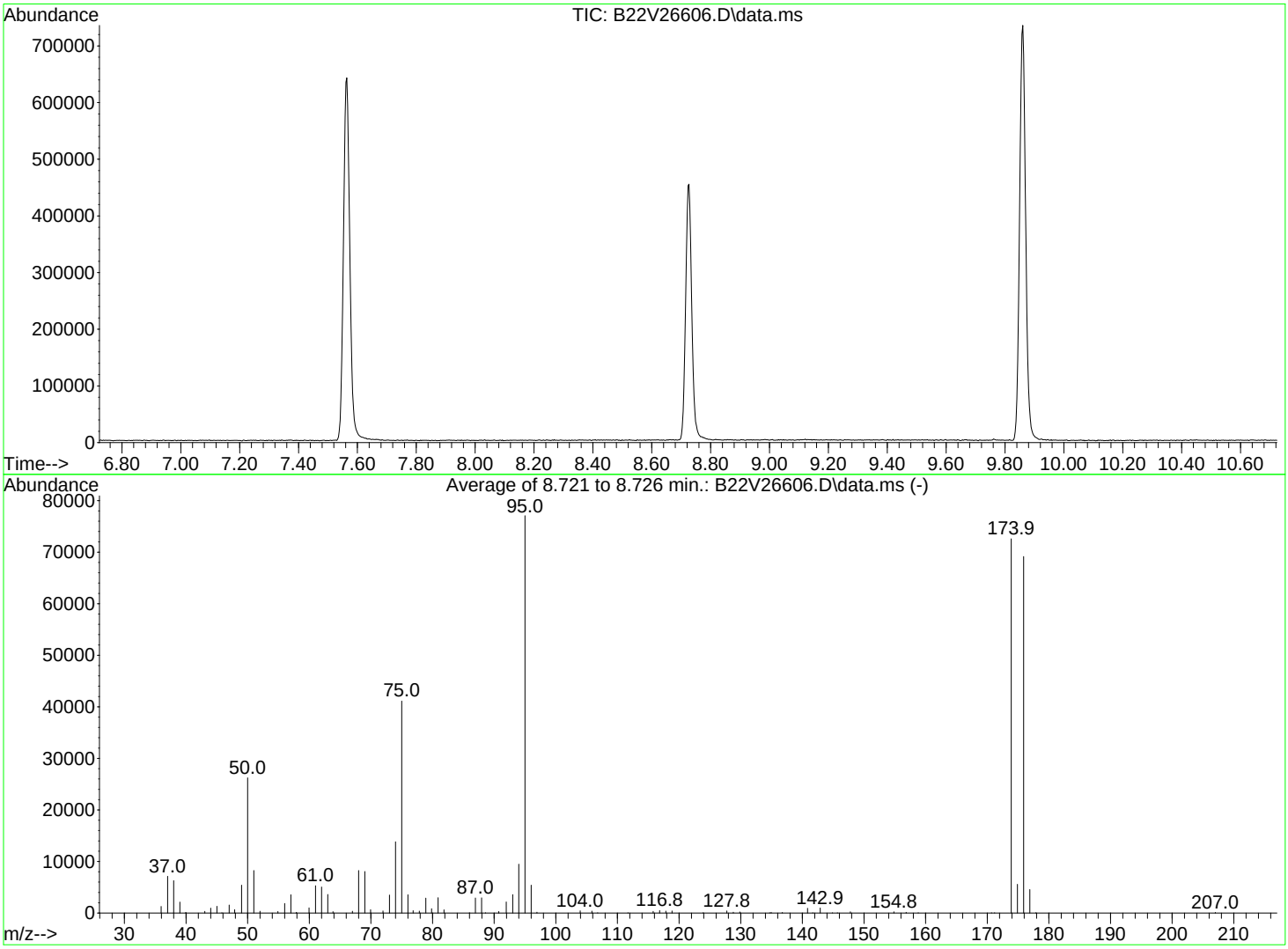
(#) = Out of Range

BFB

Data Path : \\Voa2\MSDChem\1\DATA\B092322\
Data File : B22V26606.D
Acq On : 23 Sep 2022 10:27 am
Operator :
Sample : BFB Inst : GCMSVOA2
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File: 8260LOW.P

Method : Y:\1\METHODS\B060920W-RT-UPDATE.M
Title : 8260 CALIBRATION VOAMS 5973
Last Update : Wed Jun 10 07:48:28 2020




AutoFind: Scans 2723, 2724, 2725; Background Corrected with Scan 2711

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 50 | 95 | 15 | 40 | 34.0 | 26216 | PASS |
| 75 | 95 | 30 | 60 | 53.4 | 41117 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 77067 | PASS |
| 96 | 95 | 5 | 9 | 7.0 | 5413 | PASS |
| 173 | 174 | 0.00 | 2 | 0.0 | 0 | PASS |
| 174 | 95 | 50 | 100 | 94.2 | 72584 | PASS |
| 175 | 174 | 5 | 9 | 7.7 | 5571 | PASS |
| 176 | 174 | 95 | 101 | 95.2 | 69136 | PASS |
| 177 | 176 | 5 | 9 | 6.6 | 4568 | PASS |

Data Path : \\Voa2\MSDChem\1\DATA\B092322\
Data File : B22V26607.D
Acq On : 23 Sep 2022 10:53 am
Operator :
Sample : 8260 STD 0.4 PPB 2209385 Inst : GCMSVOA2
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 26 07:29:12 2022
Quant Method : Y:\1\METHODS\B060920W-RT-UPDATE.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Jun 10 07:48:28 2020
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) PENTAFLUOROBENZENE - ISTD | 3.994 | 168 | 177760 | 30.00 | UG/L | | 0.00 |
| 44) 1,4-DIFLOUROBENZENE - ... | 4.722 | 114 | 273660 | 30.00 | UG/L | | 0.00 |
| 65) CHLOROBENZENE-D5 ISTD | 7.564 | 82 | 145361 | 30.00 | UG/L | | 0.00 |
| 84) 1,4-DICHLOROBENZENE-D4... | 9.860 | 152 | 161343 | 30.00 | UG/L | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 2) 1,2-DICHLOROETHANE-D4 SS | 4.276 | 65 | 104471 | 22.81 | UG/L | | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 91.24% | | | | |
| 45) TOLUENE-D8 SS | 6.157 | 98 | 279626 | 24.44 | UG/L | | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 97.76% | | | | |
| 66) 4-BROMOFLUROBENZENE SS | 8.723 | 95 | 116039 | 25.72 | UG/L | | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 102.88% | | | | |
| Target Compounds | | | | | | | Qvalue |
| 3) DICHLORODIFLOUROMETHANE | 1.030 | 85 | 1193 | 0.33 | UG/L | # | 43 |
| 4) DIFLUOROCHLOROMETHANE | 1.036 | 51 | 2102 | 0.42 | UG/L | | 97 |
| 5) CHLOROMETHANE | 1.132 | 50 | 2648 | 0.24 | UG/L | | 99 |
| 6) VINYL CHLORIDE | 1.189 | 62 | 1402 | 0.34 | UG/L | # | 43 |
| 7) BROMOMETHANE | 1.371 | 94 | 1329 | 4.26 | UG/L | | 89 |
| 8) CHLOROETHANE | 1.428 | 64 | 923 | 0.41 | UG/L | # | 79 |
| 9) FLUORODICHLOROMETHANE | 1.539 | 67 | 2115 | 0.37 | UG/L | # | 73 |
| 10) TRICHLOROFLUOROMETHANE | 1.573 | 101 | 1415 | 0.30 | UG/L | | 93 |
| 11) ETHANOL | 0.000 | | 0 | N.D. | d | | |
| 12) DI ETHYL ETHER | 1.749 | 59 | 889 | 0.37 | UG/L | # | 50 |
| 13) ACROLEIN | 1.843 | 56 | 4183 | 4.92 | UG/L | # | 78 |
| 14) ACETONE | 1.948 | 43 | 5637 | 4.47 | UG/L | | 96 |
| 15) 1,1-DICHLOROETHENE | 1.897 | 61 | 1798 | 0.38 | UG/L | # | 91 |
| 16) 1,1,2-TRICL-1,2,2-TRIF... | 1.891 | 101 | 788 | 0.35 | UG/L | | 87 |
| 17) IODOMETHANE | 2.011 | 142 | 8885 | 9.63 | UG/L | | 99 |
| 18) METHYL ACETATE | 0.000 | | 0 | N.D. | d | | |
| 19) T-BUTYL ALCOHOL | 2.354 | 59 | 1572 | 3.55 | UG/L | # | 54 |
| 20) ACRYLONITRILE | 2.457 | 53 | 809 | 0.58 | UG/L | # | 19 |
| 21) METHYLENE CHLORIDE | 2.252 | 49 | 2334 | 0.45 | UG/L | # | 86 |
| 22) CARBON DISULFIDE | 2.050 | 76 | 24081 | 3.20 | UG/L | | 100 |
| 23) METHYL TERT-BUTYL ETHE... | 2.465 | 73 | 2664 | 0.36 | UG/L | # | 32 |
| 24) TRANS 1,2-DICHLOROETHENE | 2.462 | 61 | 1684 | 0.37 | UG/L | # | 76 |
| 25) 1,1-DICHLOROETHANE | 2.849 | 63 | 1916 | 0.35 | UG/L | # | 52 |
| 26) VINYL ACETATE | 2.911 | 43 | 36229 | 3.90 | UG/L | # | 95 |
| 27) DI ISOPROPYL ETHER | 2.909 | 45 | 5812 | 0.48 | UG/L | # | 58 |
| 28) 2-BUTANONE | 3.488 | 43 | 7312 | 3.72 | UG/L | # | 75 |
| 29) T-BUTYL ETHYL ETHER | 3.292 | 59 | 4143 | 0.40 | UG/L | # | 74 |
| 30) CIS-1,2-DICHLOROETHENE | 3.437 | 61 | 1789 | 0.34 | UG/L | | 97 |
| 31) 2,2-DICHLOROPROPANE | 3.429 | 77 | 1531 | 0.35 | UG/L | # | 48 |
| 32) ETHYL ACETATE | 0.000 | | 0 | N.D. | d | | |
| 33) BROMOCHLOROMETHANE | 3.687 | 128 | 397m | 0.34 | UG/L | | |
| 34) TETRAHYDROFURAN | 0.000 | | 0 | N.D. | d | | |
| 35) T-BUTYL FORMATE | 0.000 | | 0 | N.D. | | | |
| 36) CHLOROFORM | 3.778 | 83 | 2124 | 0.42 | UG/L | # | 83 |
| 37) 1,1,1-TRICHLOROETHANE | 3.932 | 97 | 1518 | 0.34 | UG/L | # | 59 |
| 38) CYCLOHEXANE | 0.000 | | 0 | N.D. | d | | |
| 39) CARBON TETRACHLORIDE | 4.094 | 117 | 1691 | 0.42 | UG/L | # | 74 |
| 40) 1,1-DICHLOROPROPENE | 4.105 | 75 | 1335 | 0.34 | UG/L | # | 42 |
| 41) BENZENE | 4.315 | 78 | 3756 | 0.35 | UG/L | | 100 |
| 42) T-AMYL ALCOHOL | 0.000 | | 0 | N.D. | d | | |
| 43) T-AMYLMETHYL ETHER | 4.440 | 73 | 2582 | 0.35 | UG/L | # | 46 |
| 46) 1,2-DICHLOROETHANE | 4.358 | 62 | 1563m | 0.36 | UG/L | | |
| 47) TRICHLOROETHENE | 4.963 | 95 | 987 | 0.37 | UG/L | | 91 |

Data Path : \\Voa2\MSDChem\1\DATA\B092322\
Data File : B22V26607.D
Acq On : 23 Sep 2022 10:53 am
Operator :
Sample : 8260 STD 0.4 PPB 2209385 Inst : GCMSVOA2
Misc :
ALS Vial : 7 Sample Multiplier: 1



Quant Time: Sep 26 07:29:12 2022
Quant Method : Y:\1\METHODS\B060920W-RT-UPDATE.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Jun 10 07:48:28 2020
Response via : Initial Calibration

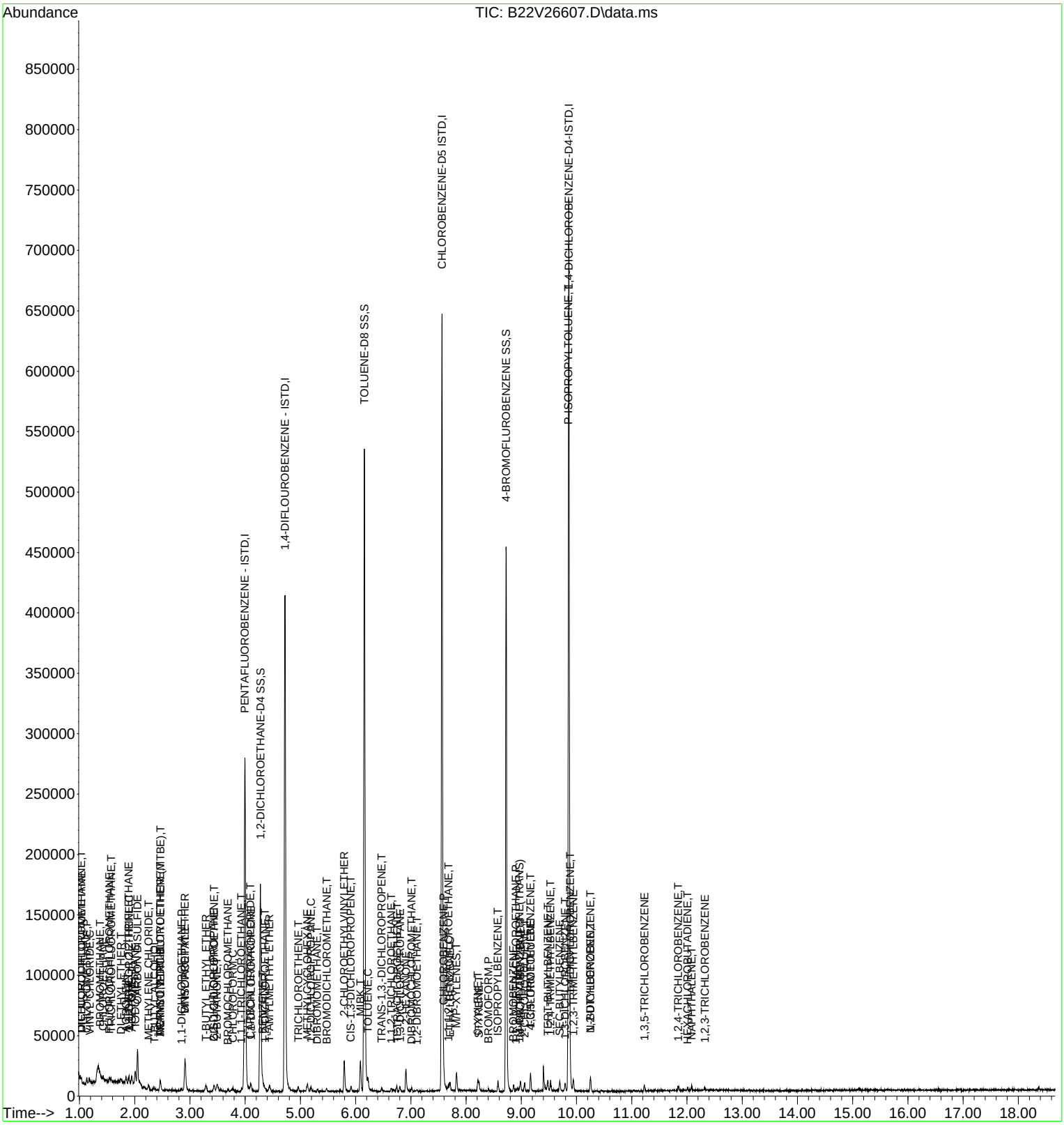
| Compound | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 48) METHYLCYCLOHEXANE | 5.125 | 83 | 1793 | 0.38 UG/L # | 71 |
| 49) 1,2-DICHLOROPROPANE | 5.191 | 63 | 1089 | 0.37 UG/L # | 50 |
| 50) DIBROMOMETHANE | 5.302 | 93 | 511 | 0.32 UG/L # | 3 |
| 51) 1,4-DIOXANE | 0.000 | | 0 | N.D. | |
| 52) BROMODICHLOROMETHANE | 5.478 | 83 | 1141 | 0.32 UG/L # | 87 |
| 53) 2-CHLOROETHYLVINYLETHER | 5.790 | 63 | 8750 | 12.42 UG/L | 85 |
| 54) MIBK | 6.086 | 43 | 18175m | 4.48 UG/L | |
| 55) CIS-1,3-DICHLOROPROPENE | 5.913 | 75 | 1452 | 0.34 UG/L # | 37 |
| 56) TOLUENE | 6.222 | 91 | 3791 | 0.33 UG/L | 96 |
| 57) TRANS-1,3,-DICHLOROPRO... | 6.470 | 75 | 1047 | 0.28 UG/L # | 23 |
| 58) ETHYL METHACRYLATE | 0.000 | | 0 | N.D. d | |
| 59) 1,1,2-TRICHLOROETHANE | 6.646 | 97 | 744 | 0.33 UG/L # | 13 |
| 60) 2-HEXANONE | 6.913 | 43 | 13398m | 4.41 UG/L | |
| 61) TETRACHLOROETHENE | 6.751 | 164 | 771 | 0.33 UG/L | 97 |
| 62) 1,3-DICHLOROPROPANE | 6.805 | 76 | 1129 | 0.28 UG/L # | 42 |
| 63) DIBROMOCHLOROMETHANE | 7.012 | 129 | 1005 | 0.37 UG/L | 99 |
| 64) 1,2-DIBROMOETHANE | 7.109 | 107 | 874 | 0.35 UG/L # | 98 |
| 67) CHLOROBENZENE | 7.592 | 112 | 2459 | 0.33 UG/L # | 46 |
| 68) 1,1,1,2-TETRACHLOROETHANE | 7.680 | 131 | 879 | 0.36 UG/L # | 64 |
| 69) ETHYLBENZENE | 7.709 | 91 | 4265 | 0.33 UG/L | 100 |
| 70) M/P-XYLENES | 7.825 | 91 | 6729 | 0.66 UG/L | 100 |
| 71) 0-XYLENE | 8.212 | 91 | 3536 | 0.34 UG/L | 97 |
| 72) STYRENE | 8.234 | 104 | 2638 | 0.33 UG/L # | 58 |
| 73) BROMOFORM | 8.405 | 173 | 727 | 0.40 UG/L # | 28 |
| 74) ISOPROPYLBENZENE | 8.576 | 105 | 4791 | 0.37 UG/L | 99 |
| 75) CIS-1,4-DICHLORO-2-BUTENE | 0.000 | | 0 | N.D. d | |
| 76) 1,1,2,2-TETRACHLOROETHANE | 8.899 | 83 | 1187 | 0.35 UG/L # | 94 |
| 77) 1,4-DICHLORO-2-BUTENE(... | 8.968 | 53 | 716m | 0.57 UG/L | |
| 78) BROMOBENZENE | 8.854 | 77 | 1815 | 0.38 UG/L | 96 |
| 79) 1,2,3-TRICHLOROPROPANE | 0.000 | | 0 | N.D. | |
| 80) N-PROPYLBENZENE | 8.988 | 91 | 5589 | 0.34 UG/L | 95 |
| 81) 2-CHLOROT0LUENE | 9.059 | 91 | 3198 | 0.34 UG/L | 99 |
| 82) 1,3,5-TRIMETHYLBENZENE | 9.167 | 105 | 4030 | 0.36 UG/L | 94 |
| 83) 4-CHLOROTOLUENE | 9.169 | 91 | 3545 | 0.33 UG/L | 94 |
| 85) TERT-BUTYLBENZENE | 9.479 | 119 | 3356 | 0.32 UG/L | 98 |
| 86) 1,2,4-TRIMETHYLBENZENE | 9.528 | 105 | 3675 | 0.31 UG/L | 100 |
| 87) SEC-BUTYLBENZENE | 9.695 | 105 | 5106 | 0.33 UG/L | 92 |
| 88) 1,3-DICHLOROBENZENE | 9.792 | 146 | 2369 | 0.35 UG/L | 92 |
| 89) P-ISOPROPYLTOLUENE | 9.852 | 119 | 4110 | 0.32 UG/L # | 87 |
| 90) 1,4-DICHLOROBENZENE | 9.886 | 146 | 2293 | 0.32 UG/L # | 67 |
| 91) 1,2,3-TRIMETHYLBENZENE | 9.943 | 105 | 4254 | 0.36 UG/L # | 100 |
| 92) N-BUTYLBENZENE | 10.249 | 91 | 3736 | 0.30 UG/L | 94 |
| 93) 1,2-DICHLOROBENZENE | 10.252 | 146 | 2033 | 0.31 UG/L # | 70 |
| 94) 1,2-DIBROMO-3-CHLOROPR... | 0.000 | | 0 | N.D. | |
| 95) 1,3,5-TRICHLOROBENZENE | 11.230 | 180 | 1626 | 0.33 UG/L | 96 |
| 96) 1,2,4-TRICHLOROBENZENE | 11.838 | 180 | 1169 | 0.27 UG/L # | 75 |
| 97) HEXACHLOROBUTADIENE | 12.009 | 225 | 624 | 0.28 UG/L # | 24 |
| 98) NAPHTHALENE | 12.085 | 128 | 2686 | 0.24 UG/L # | 69 |
| 99) 1,2,3-TRICHLOROBENZENE | 12.324 | 180 | 915 | 0.23 UG/L # | 83 |

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

Data Path : \\Voa2\MSDChem\1\DATA\B092322\
Data File : B22V26607.D
Acq On : 23 Sep 2022 10:53 am
Operator :
Sample : 8260 STD 0.4 PPB 2209385 Inst : GCMSVOA2
Misc :
ALS Vial : 7 Sample Multiplier: 1



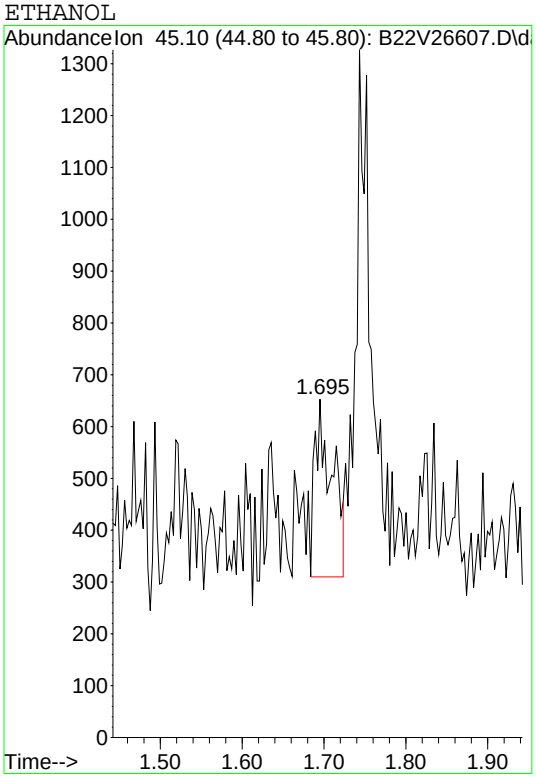
Quant Time: Sep 26 07:29:12 2022
Quant Method : Y:\1\METHODS\B060920W-RT-UPDATE.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Jun 10 07:48:28 2020
Response via : Initial Calibration



Data Path : \\Voa2\MSDChem\1\DATA\B092322\
Data File : B22V26607.D
Acq On : 23 Sep 2022 10:53 am
Operator :
Sample : 8260 STD 0.4 PPB 2209385
Misc :

Quant Time : Mon Sep 26 07:29:12 2022
Quant Method : Y:\1\METHODS\B060920W-RT-UPDATE.M
QLast Update : Wed Jun 10 07:48:28 2020

Original Integration
ETHANOL




Original Int. Results
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RT : 1.70
Area : 507
Amount: 8.80101

Manual Int. Results
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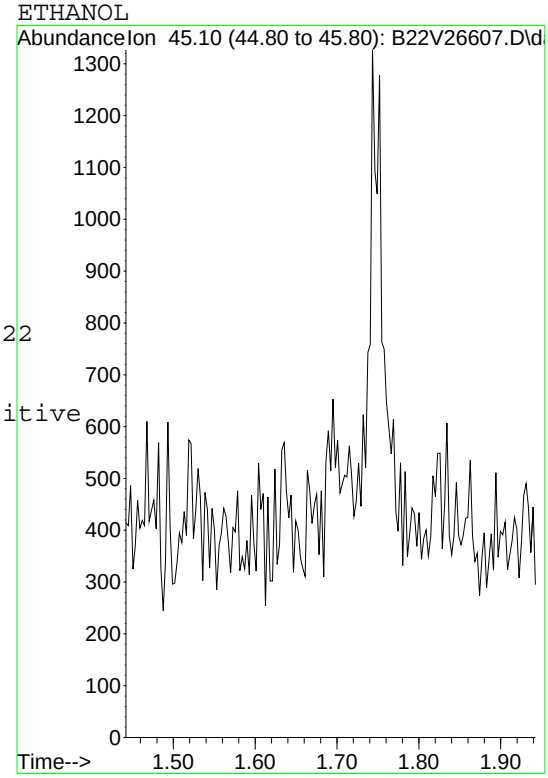
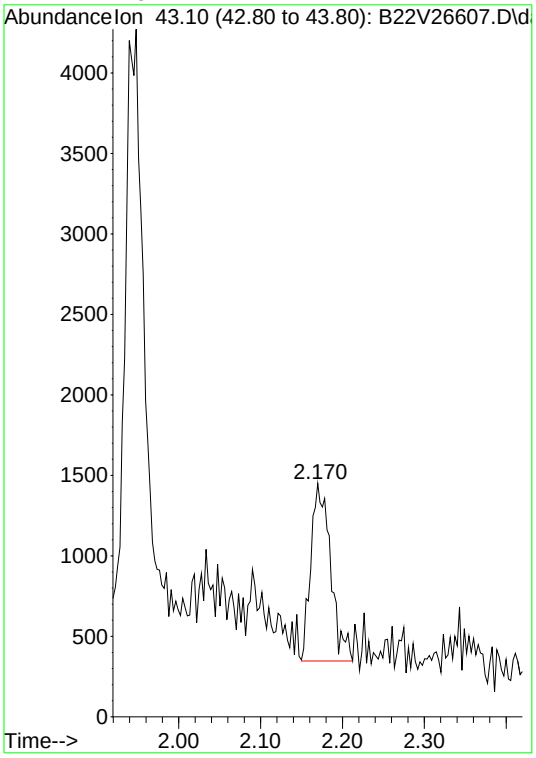
Mon Sep 26 07:26:25 2022

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

Manual Integration
ETHANOL




Original Integration
METHYL ACETATE




Original Int. Results
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RT : 2.17
Area : 1846
Amount: 0.462547

Manual Int. Results
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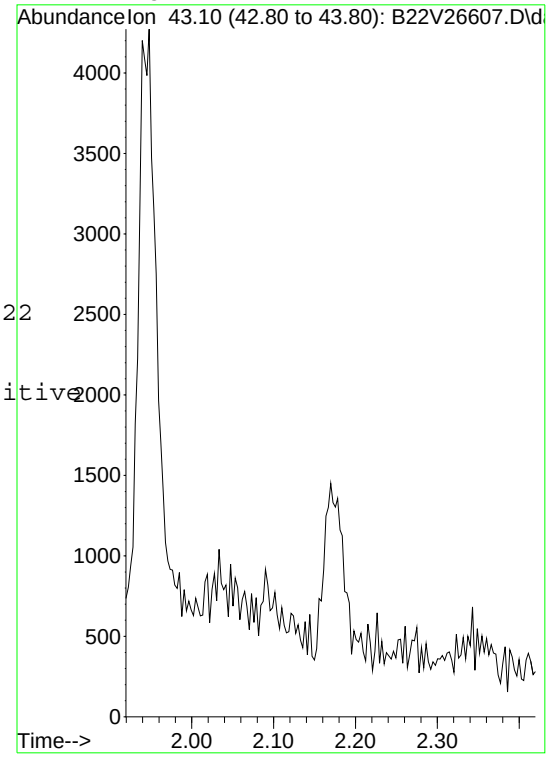
Mon Sep 26 07:26:43 2022

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

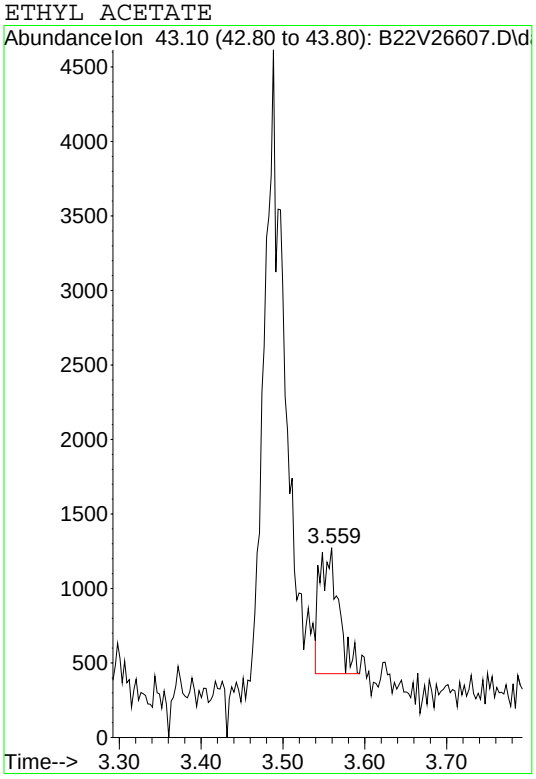
Manual Integration
METHYL ACETATE



Data Path : \\Voa2\MSDChem\1\DATA\B092322\
Data File : B22V26607.D
Acq On : 23 Sep 2022 10:53 am
Operator :
Sample : 8260 STD 0.4 PPB 2209385
Misc :

Quant Time : Mon Sep 26 07:29:12 2022
Quant Method : Y:\1\METHODS\B060920W-RT-UPDATE.M
QLast Update : Wed Jun 10 07:48:28 2020

Original Integration
ETHYL ACETATE




Original Int. Results
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RT : 3.56
Area : 1327
Amount: 0.307612

Manual Int. Results
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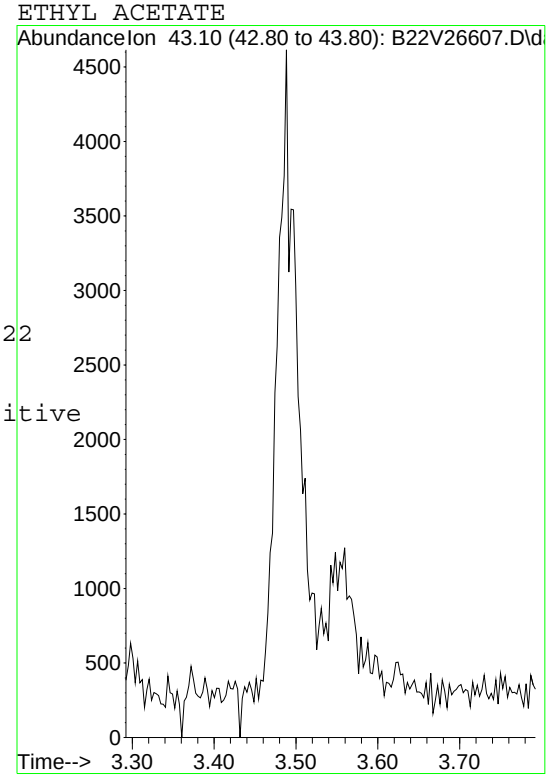
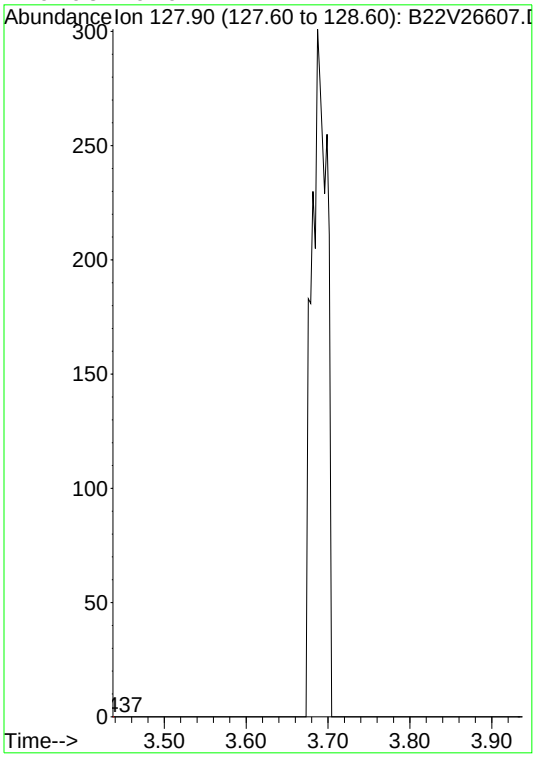
Mon Sep 26 07:27:04 2022

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

Manual Integration
ETHYL ACETATE




Original Integration
BROMOCHLOROMETHANE




Original Int. Results
---

RT : 0.00
Area : 0
Amount: 0

Manual Int. Results
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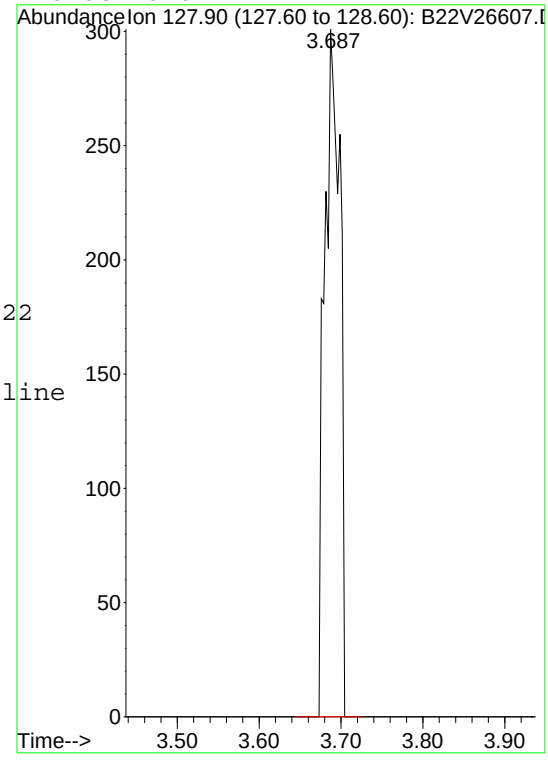
Mon Sep 26 07:27:08 2022

MIuser: LBD
Reason: Incorrect Baseline
RT : 3.69
Area : 397
Amount: 0.341876

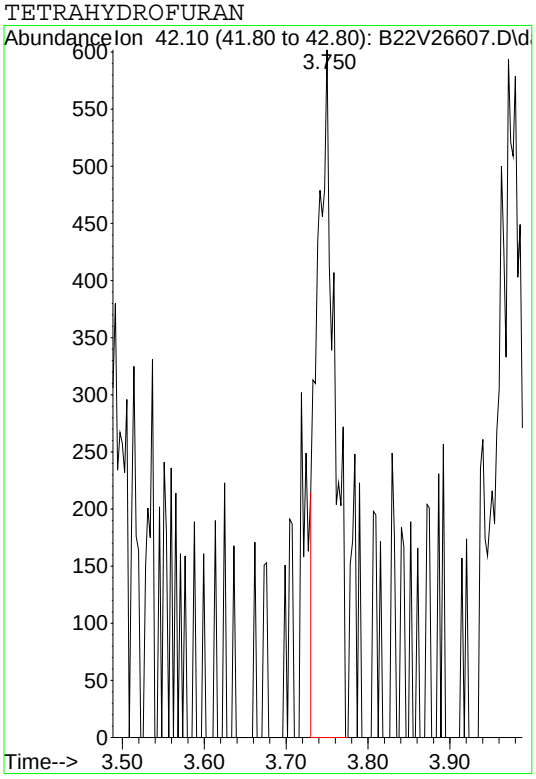
Manual Integration
BROMOCHLOROMETHANE



Data Path : \\Voa2\MSDChem\1\DATA\B092322\
Data File : B22V26607.D
Acq On : 23 Sep 2022 10:53 am
Operator :
Sample : 8260 STD 0.4 PPB 2209385
Misc :

Quant Time : Mon Sep 26 07:29:12 2022
Quant Method : Y:\1\METHODS\B060920W-RT-UPDATE.M
QLast Update : Wed Jun 10 07:48:28 2020

Original Integration
TETRAHYDROFURAN




Original Int. Results
---

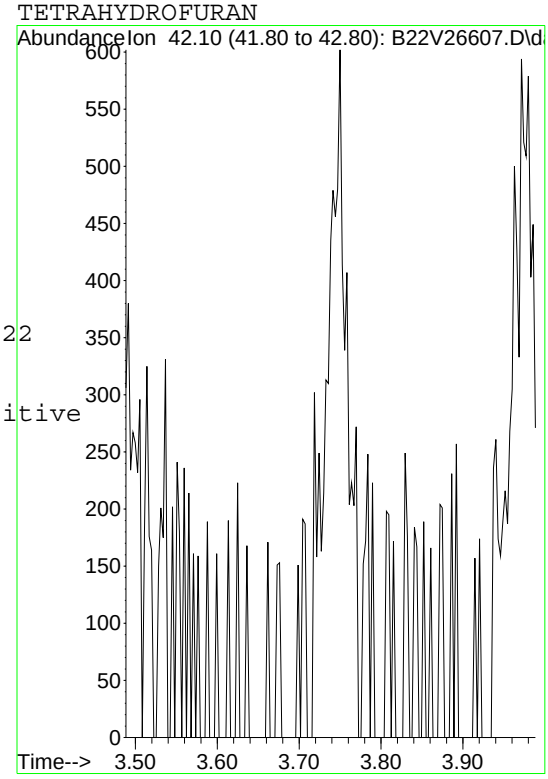
RT : 3.75
Area : 876
Amount: 0.708741

Manual Int. Results
---

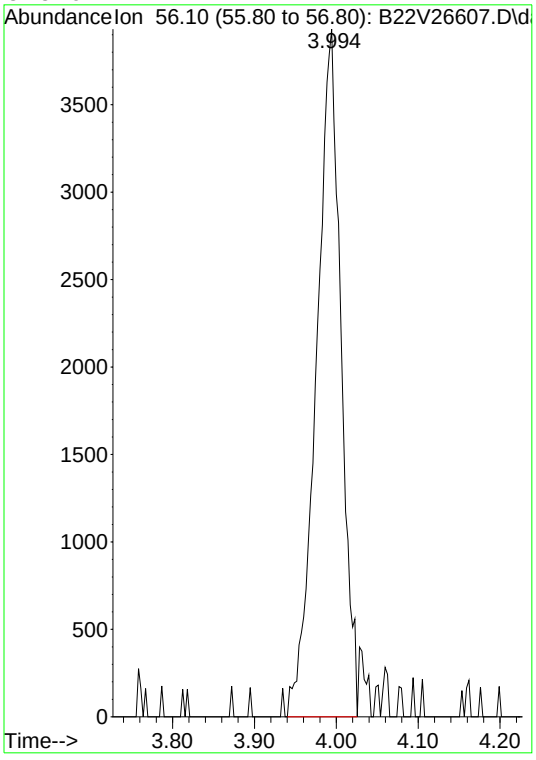
Mon Sep 26 07:27:14 2022

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

Manual Integration
TETRAHYDROFURAN




Original Integration
CYCLOHEXANE




Original Int. Results
---

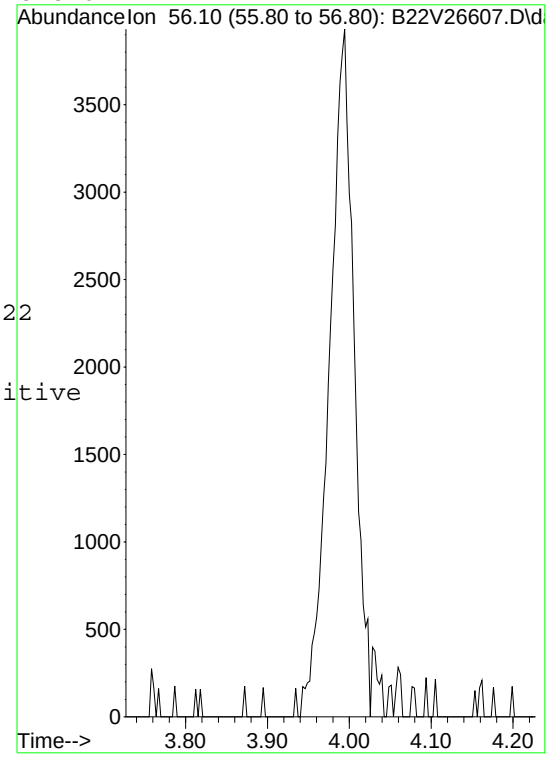
RT : 3.99
Area : 8167
Amount: 1.20563

Manual Int. Results
---

Mon Sep 26 07:27:23 2022

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

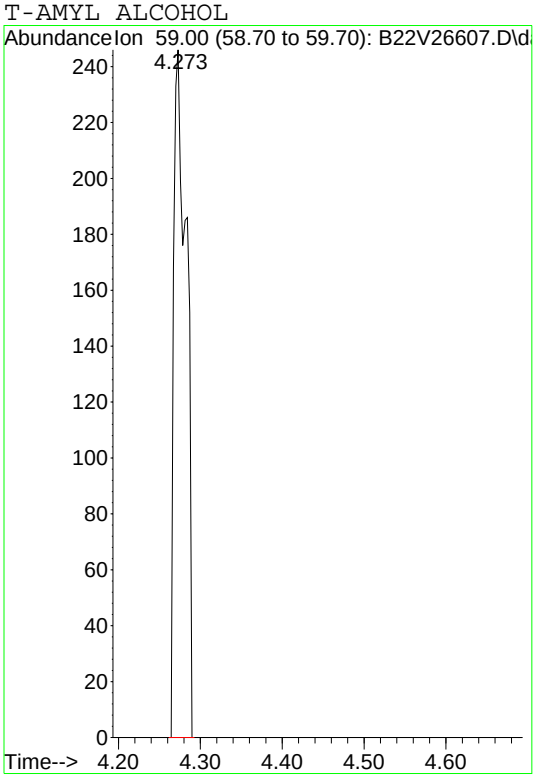
Manual Integration
CYCLOHEXANE



Data Path : \\Voa2\MSDChem\1\DATA\B092322\
Data File : B22V26607.D
Acq On : 23 Sep 2022 10:53 am
Operator :
Sample : 8260 STD 0.4 PPB 2209385
Misc :

Quant Time : Mon Sep 26 07:29:12 2022
Quant Method : Y:\1\METHODS\B060920W-RT-UPDATE.M
QLast Update : Wed Jun 10 07:48:28 2020

Original Integration
T-AMYL ALCOHOL




Original Int. Results
---

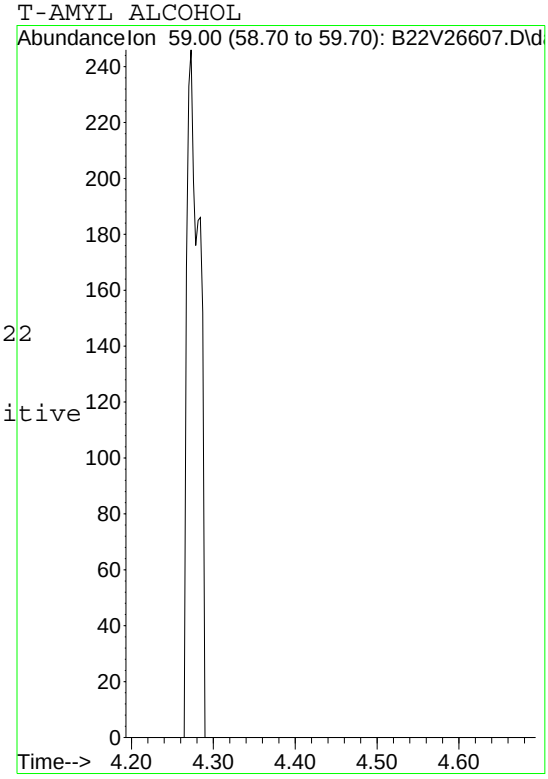
RT : 4.27
Area : 263
Amount: 0.803937

Manual Int. Results
---

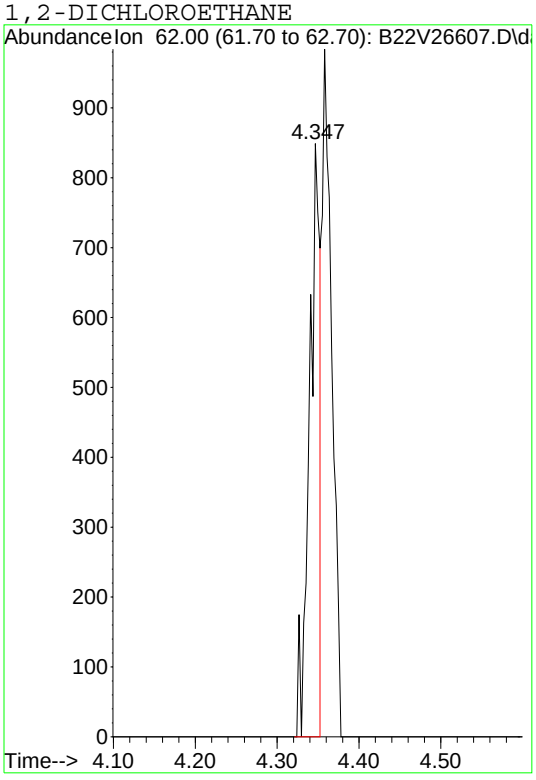
Mon Sep 26 07:27:30 2022

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

Manual Integration
T-AMYL ALCOHOL




Original Integration
1,2-DICHLOROETHANE




Original Int. Results
---

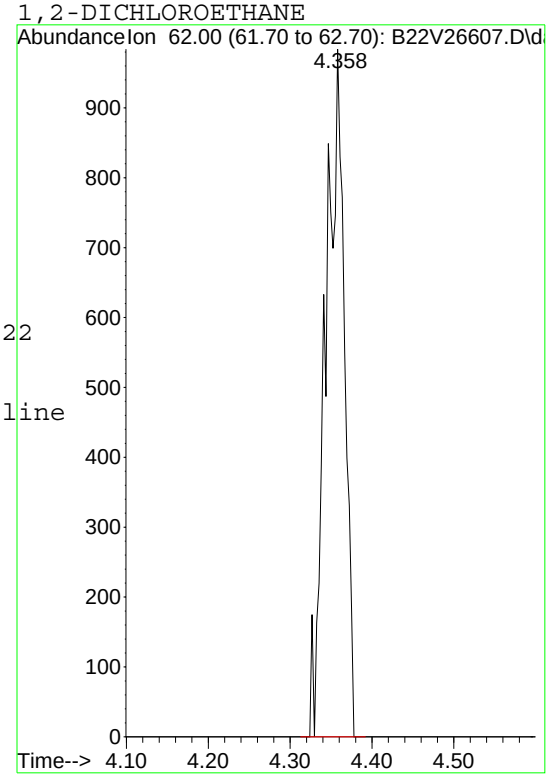
RT : 4.35
Area : 745
Amount: 0.169742

Manual Int. Results
---

Mon Sep 26 07:27:36 2022

MIuser: LBD
Reason: Incorrect Baseline
RT : 4.36
Area : 1563
Amount: 0.356117

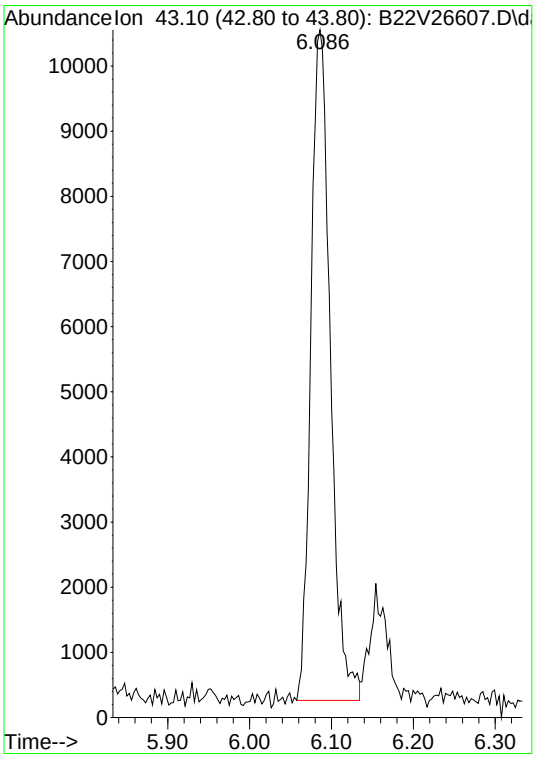
Manual Integration
1,2-DICHLOROETHANE



Data Path : \\Voa2\MSDChem\1\DATA\B092322\
Data File : B22V26607.D
Acq On : 23 Sep 2022 10:53 am
Operator :
Sample : 8260 STD 0.4 PPB 2209385
Misc :

Quant Time : Mon Sep 26 07:29:12 2022
Quant Method : Y:\1\METHODS\B060920W-RT-UPDATE.M
QLast Update : Wed Jun 10 07:48:28 2020

Original Integration
MIBK




Original Int. Results
---

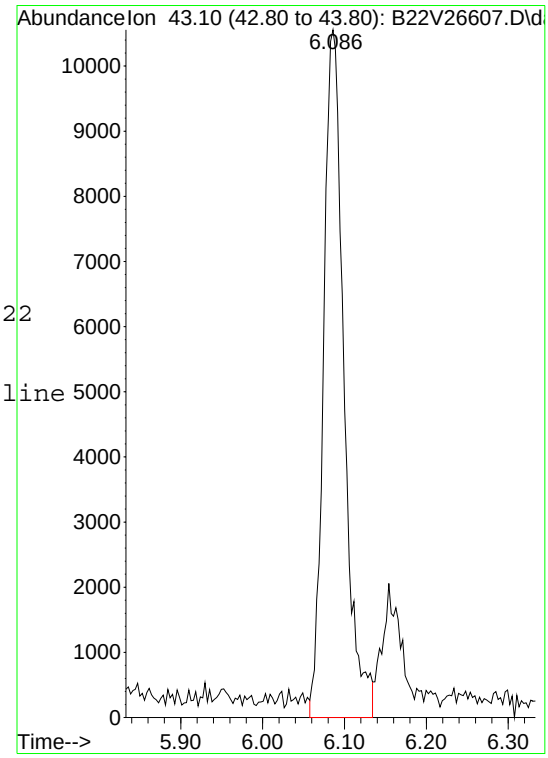
RT : 6.09
Area : 16960
Amount: 4.17982

Manual Int. Results
---

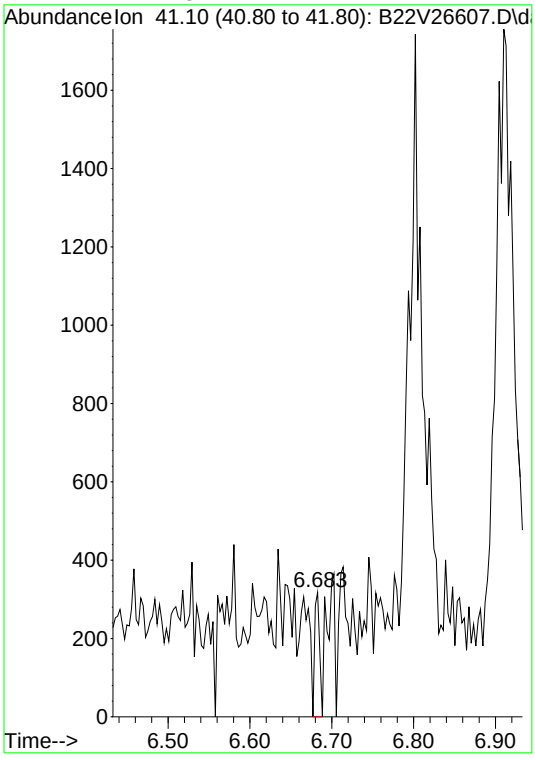
Mon Sep 26 07:27:56 2022

MIuser: LBD
Reason: Incorrect Baseline
RT : 6.09
Area : 18175
Amount: 4.47926

Manual Integration
MIBK




Original Integration
ETHYL METHACRYLATE




Original Int. Results
---

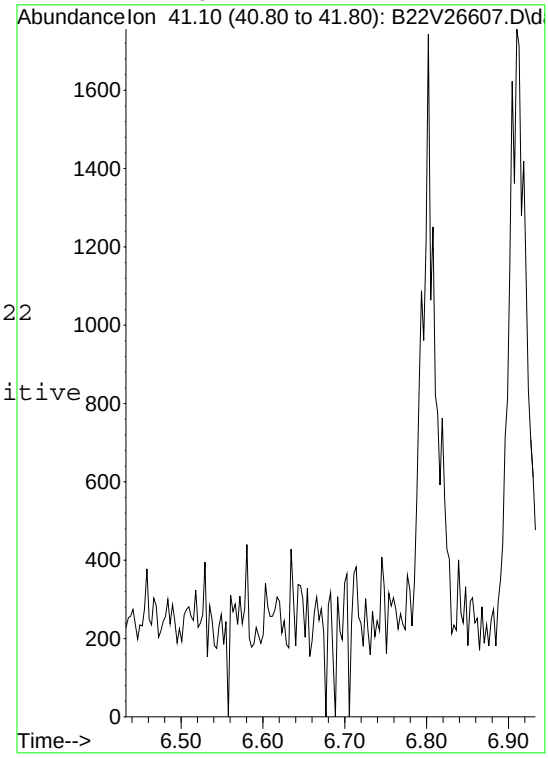
RT : 6.68
Area : 129
Amount: 0

Manual Int. Results
---

Mon Sep 26 07:28:03 2022

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

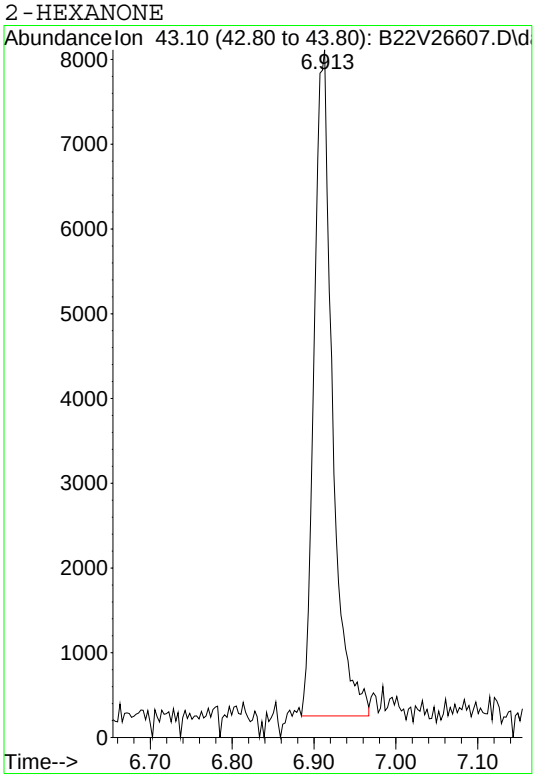
Manual Integration
ETHYL METHACRYLATE



Data Path : \\Voa2\MSDChem\1\DATA\B092322\
Data File : B22V26607.D
Acq On : 23 Sep 2022 10:53 am
Operator :
Sample : 8260 STD 0.4 PPB 2209385
Misc :

Quant Time : Mon Sep 26 07:29:12 2022
Quant Method : Y:\1\METHODS\B060920W-RT-UPDATE.M
QLast Update : Wed Jun 10 07:48:28 2020

Original Integration
2-HEXANONE




Original Int. Results
---

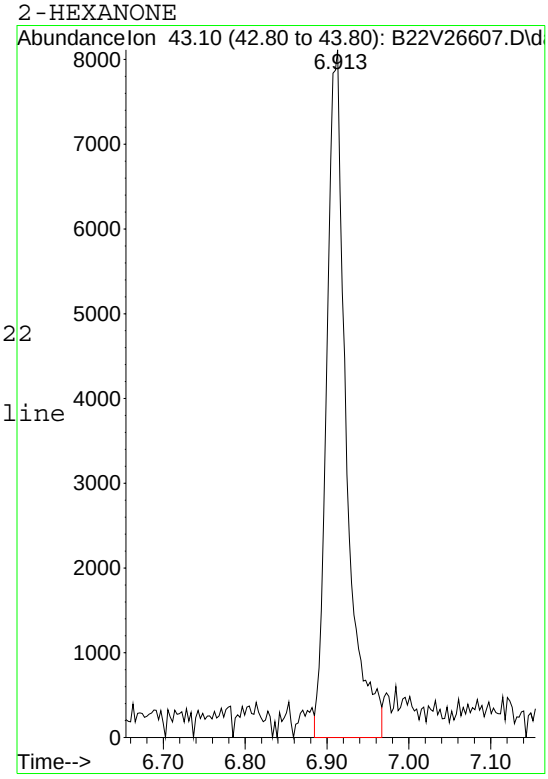
RT : 6.91
Area : 12142
Amount: 3.99436

Manual Int. Results
---

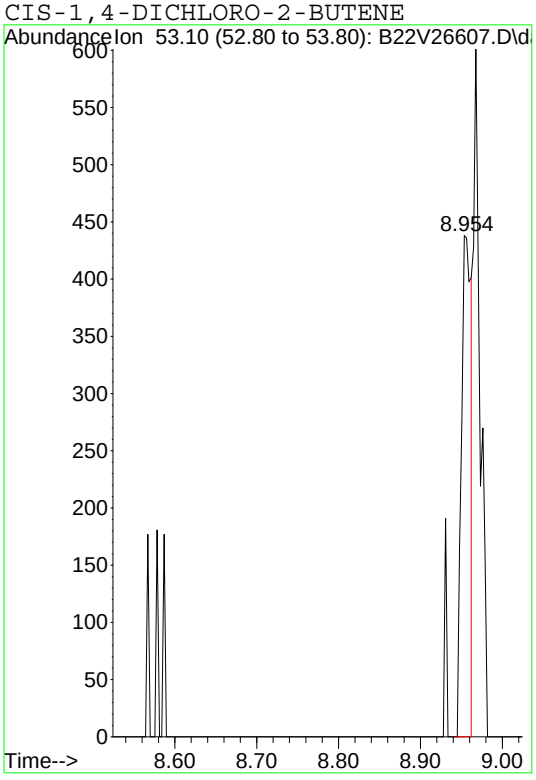
Mon Sep 26 07:28:10 2022

MIuser: LBD
Reason: Incorrect Baseline
RT : 6.91
Area : 13398
Amount: 4.40754

Manual Integration
2-HEXANONE




Original Integration
CIS-1,4-DICHLORO-2-BUTENE




Original Int. Results
---

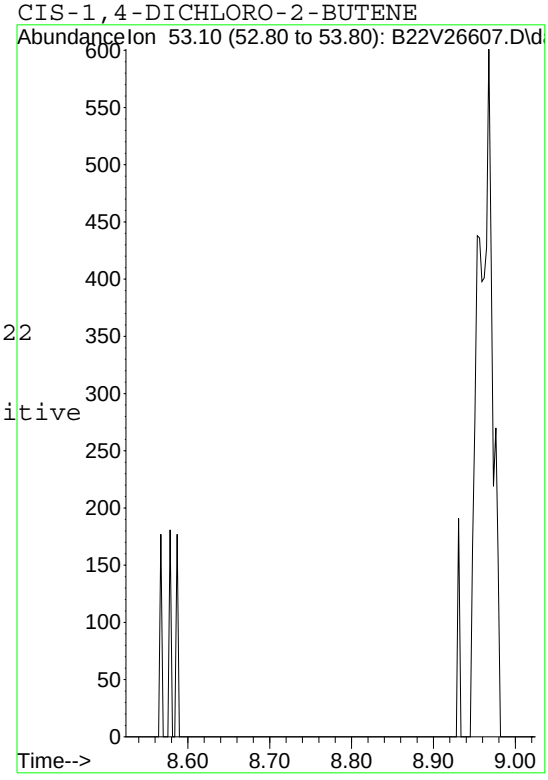
RT : 8.95
Area : 361
Amount: 0

Manual Int. Results
---

Mon Sep 26 07:28:21 2022

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

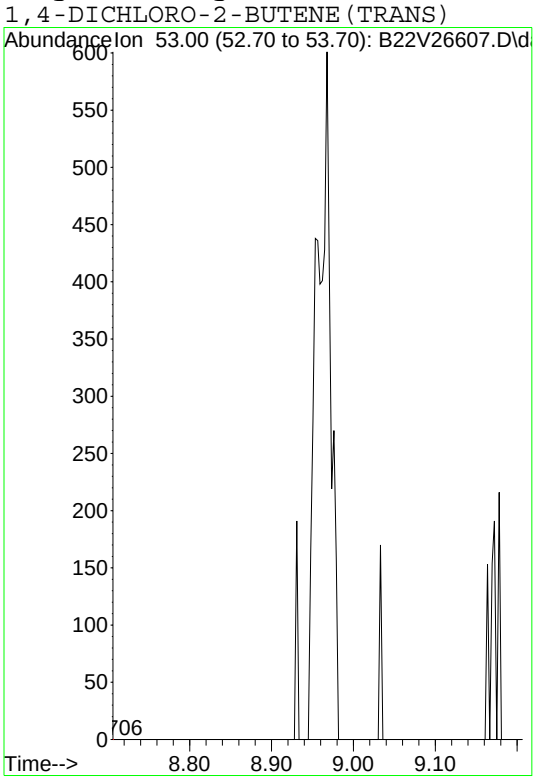
Manual Integration
CIS-1,4-DICHLORO-2-BUTENE



Data Path : \\Voa2\MSDChem\1\DATA\B092322\
Data File : B22V26607.D
Acq On : 23 Sep 2022 10:53 am
Operator :
Sample : 8260 STD 0.4 PPB 2209385
Misc :

Quant Time : Mon Sep 26 07:29:12 2022
Quant Method : Y:\1\METHODS\B060920W-RT-UPDATE.M
QLast Update : Wed Jun 10 07:48:28 2020

Original Integration
1,4-DICHLORO-2-BUTENE(TRANS)




Original Int. Results
---

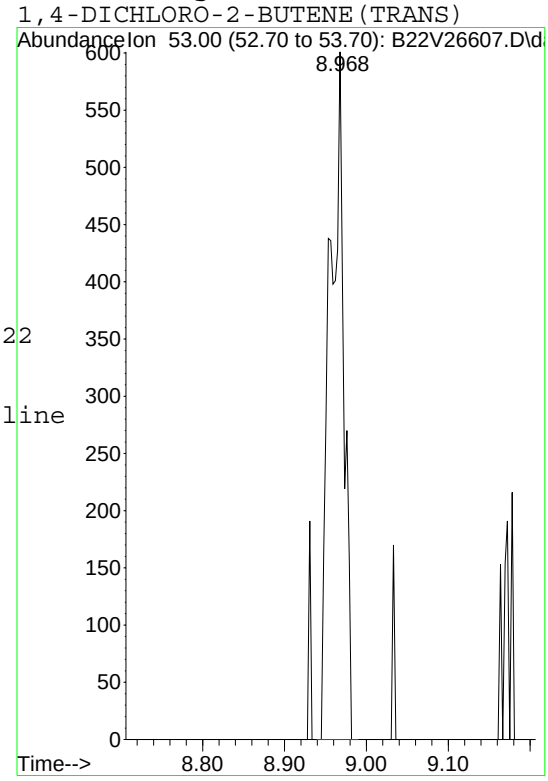
RT : 0.00
Area : 0
Amount: 0

Manual Int. Results
---

Mon Sep 26 07:29:12 2022

MIuser: LBD
Reason: Incorrect Baseline
RT : 8.97
Area : 716
Amount: 0.574484

Manual Integration
1,4-DICHLORO-2-BUTENE(TRANS)



Data Path : \\Voa2\MSDChem\1\DATA\B092322\
Data File : B22V26608.D
Acq On : 23 Sep 2022 11:20 am
Operator :
Sample : 8260 STD 0.5 PPB 2209385 Inst : GCMSVOA2
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 26 07:32:06 2022
Quant Method : Y:\1\METHODS\B060920W-RT-UPDATE.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Sep 21 11:30:47 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) PENTAFLUOROBENZENE - ISTD | 3.997 | 168 | 179784 | 30.00 | UG/L | | 0.00 |
| 44) 1,4-DIFLOUROBENZENE - ... | 4.722 | 114 | 271613 | 30.00 | UG/L | | 0.00 |
| 65) CHLOROBENZENE-D5 ISTD | 7.564 | 82 | 144092 | 30.00 | UG/L | | 0.00 |
| 84) 1,4-DICHLOROBENZENE-D4... | 9.860 | 152 | 158057 | 30.00 | UG/L | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 2) 1,2-DICHLOROETHANE-D4 SS | 4.276 | 65 | 104162 | 22.48 | UG/L | | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 89.92% | | | | |
| 45) TOLUENE-D8 SS | 6.157 | 98 | 275946 | 24.30 | UG/L | | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 97.20% | | | | |
| 66) 4-BROMOFLUROBENZENE SS | 8.726 | 95 | 113593 | 25.40 | UG/L | | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 101.60% | | | | |
| Target Compounds | | | | | | | Qvalue |
| 3) DICHLORODIFLOUROMETHANE | 1.033 | 85 | 1423 | 0.38 | UG/L | # | 43 |
| 4) DIFLUOROCHLOROMETHANE | 1.039 | 51 | 2885 | 0.56 | UG/L | | 98 |
| 5) CHLOROMETHANE | 1.132 | 50 | 3150 | 0.28 | UG/L | | 89 |
| 6) VINYL CHLORIDE | 1.192 | 62 | 1774 | 0.42 | UG/L | | 99 |
| 7) BROMOMETHANE | 1.371 | 94 | 1507 | 4.39 | UG/L | | 87 |
| 8) CHLOROETHANE | 1.431 | 64 | 1028 | 0.45 | UG/L | # | 82 |
| 9) FLUORODICHLOROMETHANE | 1.542 | 67 | 2474 | 0.43 | UG/L | # | 76 |
| 10) TRICHLOROFLUOROMETHANE | 1.573 | 101 | 1716 | 0.36 | UG/L | # | 80 |
| 11) ETHANOL | 0.000 | | 0 | N.D. | d | | |
| 12) DI ETHYL ETHER | 1.749 | 59 | 1299 | 0.54 | UG/L | # | 68 |
| 13) ACROLEIN | 1.840 | 56 | 3863m | 4.49 | UG/L | | |
| 14) ACETONE | 1.948 | 43 | 6963 | 5.46 | UG/L | | 96 |
| 15) 1,1-DICHLOROETHENE | 1.900 | 61 | 2329 | 0.49 | UG/L | | 93 |
| 16) 1,1,2-TRICL-1,2,2-TRIF... | 1.891 | 101 | 1001 | 0.43 | UG/L | | 100 |
| 17) IODOMETHANE | 2.008 | 142 | 11867 | 10.74 | UG/L | | 95 |
| 18) METHYL ACETATE | 2.173 | 43 | 2238 | 0.55 | UG/L | # | 64 |
| 19) T-BUTYL ALCOHOL | 2.352 | 59 | 2194 | 4.90 | UG/L | # | 54 |
| 20) ACRYLONITRILE | 2.468 | 53 | 965m | 0.69 | UG/L | | |
| 21) METHYLENE CHLORIDE | 2.249 | 49 | 2801 | 0.54 | UG/L | # | 83 |
| 22) CARBON DISULFIDE | 2.050 | 76 | 30735 | 4.04 | UG/L | | 99 |
| 23) METHYL TERT-BUTYL ETHE... | 2.465 | 73 | 3255 | 0.44 | UG/L | # | 78 |
| 24) TRANS 1,2-DICHLOROETHENE | 2.460 | 61 | 1956 | 0.43 | UG/L | | 98 |
| 25) 1,1-DICHLOROETHANE | 2.843 | 63 | 2403 | 0.43 | UG/L | # | 89 |
| 26) VINYL ACETATE | 2.911 | 43 | 48139 | 5.13 | UG/L | # | 94 |
| 27) DI ISOPROPYL ETHER | 2.917 | 45 | 6894 | 0.56 | UG/L | # | 89 |
| 28) 2-BUTANONE | 3.483 | 43 | 8920 | 4.49 | UG/L | # | 89 |
| 29) T-BUTYL ETHYL ETHER | 3.295 | 59 | 5037 | 0.49 | UG/L | # | 85 |
| 30) CIS-1,2-DICHLOROETHENE | 3.437 | 61 | 2419 | 0.45 | UG/L | | 93 |
| 31) 2,2-DICHLOROPROPANE | 3.432 | 77 | 2143 | 0.49 | UG/L | # | 48 |
| 32) ETHYL ACETATE | 0.000 | | 0 | N.D. | d | | |
| 33) BROMOCHLOROMETHANE | 3.679 | 128 | 426m | 0.36 | UG/L | | |
| 34) TETRAHYDROFURAN | 0.000 | | 0 | N.D. | d | | |
| 35) T-BUTYL FORMATE | 0.000 | | 0 | N.D. | | | |
| 36) CHLOROFORM | 3.784 | 83 | 2077 | 0.41 | UG/L | | 94 |
| 37) 1,1,1-TRICHLOROETHANE | 3.943 | 97 | 1812 | 0.40 | UG/L | | 94 |
| 38) CYCLOHEXANE | 0.000 | | 0 | N.D. | d | | |
| 39) CARBON TETRACHLORIDE | 4.099 | 117 | 1949 | 0.48 | UG/L | | 85 |
| 40) 1,1-DICHLOROPROPENE | 4.105 | 75 | 1750 | 0.45 | UG/L | # | 68 |
| 41) BENZENE | 4.318 | 78 | 4553 | 0.42 | UG/L | # | 76 |
| 42) T-AMYL ALCOHOL | 0.000 | | 0 | N.D. | d | | |
| 43) T-AMYLMETHYL ETHER | 4.440 | 73 | 3284 | 0.44 | UG/L | # | 59 |
| 46) 1,2-DICHLOROETHANE | 4.358 | 62 | 2023 | 0.46 | UG/L | # | 95 |
| 47) TRICHLOROETHENE | 4.960 | 95 | 1009 | 0.38 | UG/L | | 89 |

Data Path : \\Voa2\MSDChem\1\DATA\B092322\
Data File : B22V26608.D
Acq On : 23 Sep 2022 11:20 am
Operator :
Sample : 8260 STD 0.5 PPB 2209385 Inst : GCMSVOA2
Misc :
ALS Vial : 8 Sample Multiplier: 1



Quant Time: Sep 26 07:32:06 2022
Quant Method : Y:\1\METHODS\B060920W-RT-UPDATE.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Sep 21 11:30:47 2022
Response via : Initial Calibration

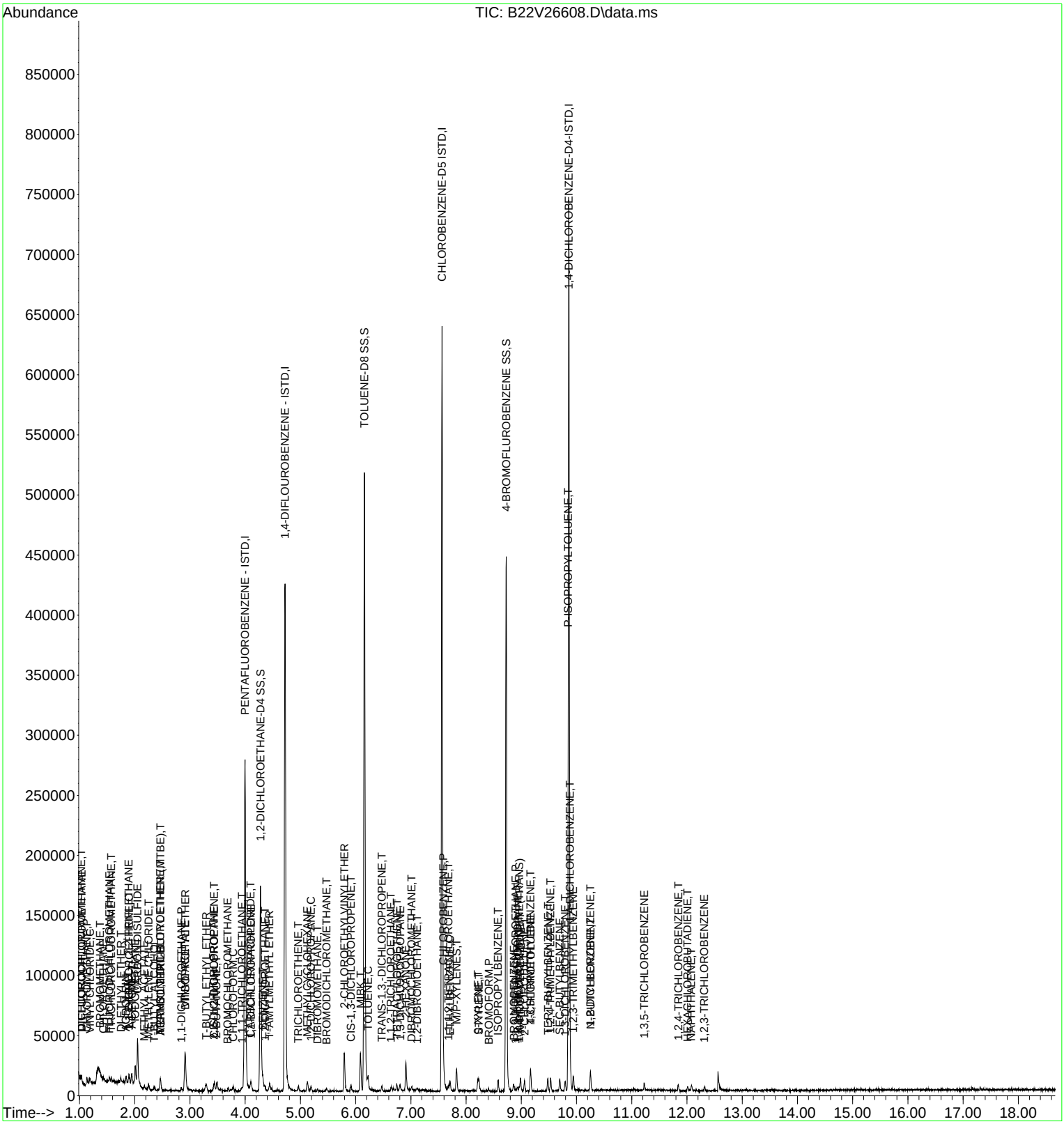
| Compound | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 48) METHYLCYCLOHEXANE | 5.125 | 83 | 1985 | 0.43 UG/L # | 45 |
| 49) 1,2-DICHLOROPROPANE | 5.191 | 63 | 1394 | 0.47 UG/L # | 59 |
| 50) DIBROMOMETHANE | 5.310 | 93 | 558 | 0.35 UG/L # | 48 |
| 51) 1,4-DIOXANE | 0.000 | | 0 | N.D. | |
| 52) BROMODICHLOROMETHANE | 5.475 | 83 | 1556 | 0.45 UG/L # | 91 |
| 53) 2-CHLOROETHYLVINYLETHER | 5.796 | 63 | 10864 | 15.54 UG/L # | 81 |
| 54) MIBK | 6.089 | 43 | 21880m | 5.43 UG/L | |
| 55) CIS-1,3-DICHLOROPROPENE | 5.915 | 75 | 1672 | 0.39 UG/L # | 50 |
| 56) TOLUENE | 6.225 | 91 | 4909 | 0.43 UG/L | 98 |
| 57) TRANS-1,3,-DICHLOROPRO... | 6.475 | 75 | 1600 | 0.43 UG/L # | 54 |
| 58) ETHYL METHACRYLATE | 0.000 | | 0 | N.D. d | |
| 59) 1,1,2-TRICHLOROETHANE | 6.637 | 97 | 957 | 0.43 UG/L | 94 |
| 60) 2-HEXANONE | 6.907 | 43 | 17094m | 5.67 UG/L | |
| 61) TETRACHLOROETHENE | 6.745 | 164 | 948 | 0.41 UG/L | 90 |
| 62) 1,3-DICHLOROPROPANE | 6.808 | 76 | 1722 | 0.43 UG/L # | 60 |
| 63) DIBROMOCHLOROMETHANE | 7.015 | 129 | 1148 | 0.43 UG/L | 92 |
| 64) 1,2-DIBROMOETHANE | 7.115 | 107 | 1067 | 0.43 UG/L # | 97 |
| 67) CHLOROBENZENE | 7.586 | 112 | 3142 | 0.43 UG/L # | 47 |
| 68) 1,1,1,2-TETRACHLOROETHANE | 7.680 | 131 | 1221 | 0.50 UG/L # | 86 |
| 69) ETHYLBENZENE | 7.709 | 91 | 5332 | 0.42 UG/L | 96 |
| 70) M/P-XYLENES | 7.828 | 91 | 8750 | 0.87 UG/L | 97 |
| 71) 0-XYLENE | 8.215 | 91 | 4606 | 0.45 UG/L | 94 |
| 72) STYRENE | 8.232 | 104 | 3365 | 0.43 UG/L # | 58 |
| 73) BROMOFORM | 8.411 | 173 | 842 | 0.46 UG/L # | 28 |
| 74) ISOPROPYLBENZENE | 8.578 | 105 | 5683 | 0.44 UG/L | 98 |
| 75) CIS-1,4-DICHLORO-2-BUTENE | 0.000 | | 0 | N.D. d | |
| 76) 1,1,2,2-TETRACHLOROETHANE | 8.897 | 83 | 1661 | 0.49 UG/L # | 79 |
| 77) 1,4-DICHLORO-2-BUTENE(... | 8.965 | 53 | 973 | 0.79 UG/L # | 42 |
| 78) BROMOBENZENE | 8.865 | 77 | 2047 | 0.44 UG/L | 97 |
| 79) 1,2,3-TRICHLOROPROPANE | 8.934 | 110 | 397m | 0.43 UG/L | |
| 80) N-PROPYLBENZENE | 8.982 | 91 | 7035 | 0.44 UG/L | 100 |
| 81) 2-CHLOROT0LUENE | 9.059 | 91 | 4117 | 0.45 UG/L | 94 |
| 82) 1,3,5-TRIMETHYLBENZENE | 9.164 | 105 | 4892 | 0.44 UG/L | 98 |
| 83) 4-CHLOROTOLUENE | 9.169 | 91 | 4581 | 0.43 UG/L | 100 |
| 85) TERT-BUTYLBENZENE | 9.482 | 119 | 4156 | 0.41 UG/L | 95 |
| 86) 1,2,4-TRIMETHYLBENZENE | 9.528 | 105 | 4793 | 0.41 UG/L | 100 |
| 87) SEC-BUTYLBENZENE | 9.695 | 105 | 5835 | 0.38 UG/L # | 77 |
| 88) 1,3-DICHLOROBENZENE | 9.795 | 146 | 2922 | 0.44 UG/L | 93 |
| 89) P-ISOPROPYLTOLUENE | 9.849 | 119 | 5211 | 0.41 UG/L # | 91 |
| 90) 1,4-DICHLOROBENZENE | 9.880 | 146 | 2955 | 0.43 UG/L # | 70 |
| 91) 1,2,3-TRIMETHYLBENZENE | 9.940 | 105 | 5185 | 0.45 UG/L # | 100 |
| 92) N-BUTYLBENZENE | 10.255 | 91 | 4617 | 0.38 UG/L | 98 |
| 93) 1,2-DICHLOROBENZENE | 10.252 | 146 | 2574 | 0.40 UG/L | 96 |
| 94) 1,2-DIBROMO-3-CHLOROPR... | 0.000 | | 0 | N.D. | |
| 95) 1,3,5-TRICHLOROBENZENE | 11.227 | 180 | 1965 | 0.41 UG/L | 82 |
| 96) 1,2,4-TRICHLOROBENZENE | 11.844 | 180 | 1372 | 0.32 UG/L # | 80 |
| 97) HEXACHLOROBUTADIENE | 12.011 | 225 | 670 | 0.31 UG/L # | 49 |
| 98) NAPHTHALENE | 12.077 | 128 | 3412 | 0.32 UG/L # | 69 |
| 99) 1,2,3-TRICHLOROBENZENE | 12.313 | 180 | 1378 | 0.35 UG/L | 83 |

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

Data Path : \\Voa2\MSDChem\1\DATA\B092322\
Data File : B22V26608.D
Acq On : 23 Sep 2022 11:20 am
Operator :
Sample : 8260 STD 0.5 PPB 2209385 Inst : GCMSVOA2
Misc :
ALS Vial : 8 Sample Multiplier: 1



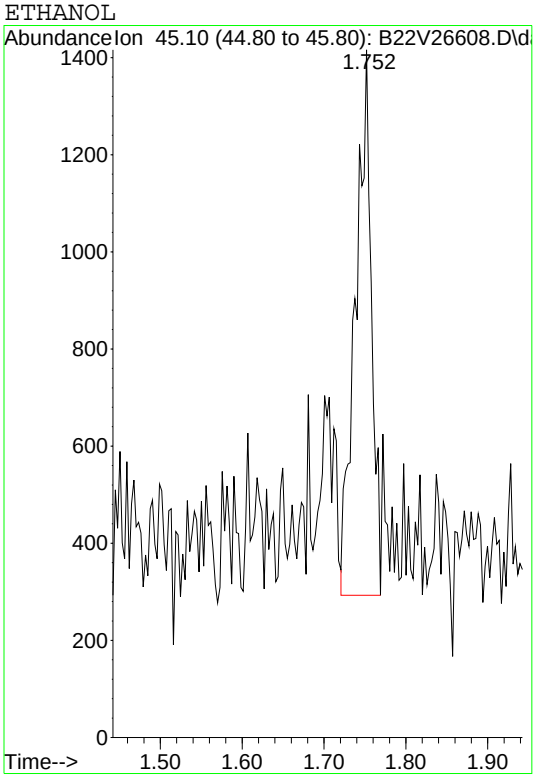
Quant Time: Sep 26 07:32:06 2022
Quant Method : Y:\1\METHODS\B060920W-RT-UPDATE.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Sep 21 11:30:47 2022
Response via : Initial Calibration



Data Path : \\Voa2\MSDChem\1\DATA\B092322\
Data File : B22V26608.D
Acq On : 23 Sep 2022 11:20 am
Operator :
Sample : 8260 STD 0.5 PPB 2209385
Misc :

Quant Time : Mon Sep 26 07:32:06 2022
Quant Method : Y:\1\METHODS\B060920W-RT-UPDATE.M
QLast Update : Wed Sep 21 11:30:47 2022

Original Integration
ETHANOL




Original Int. Results
---

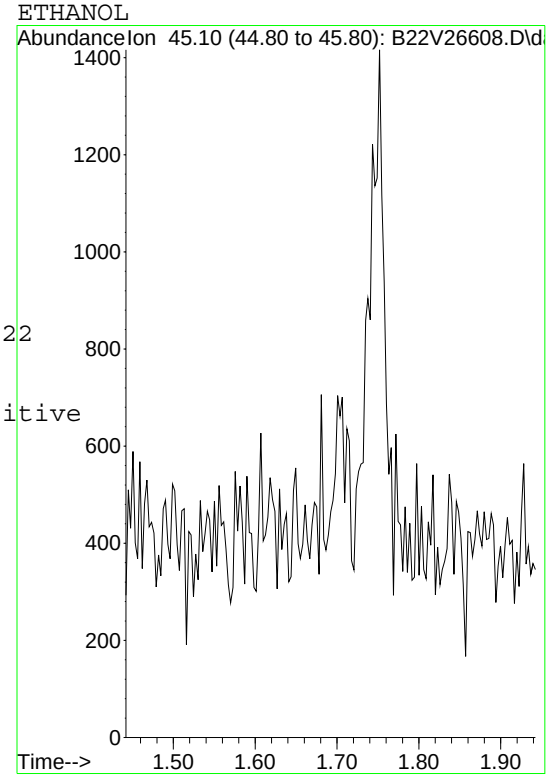
RT : 1.75
Area : 1523
Amount: 26.1401

Manual Int. Results
---

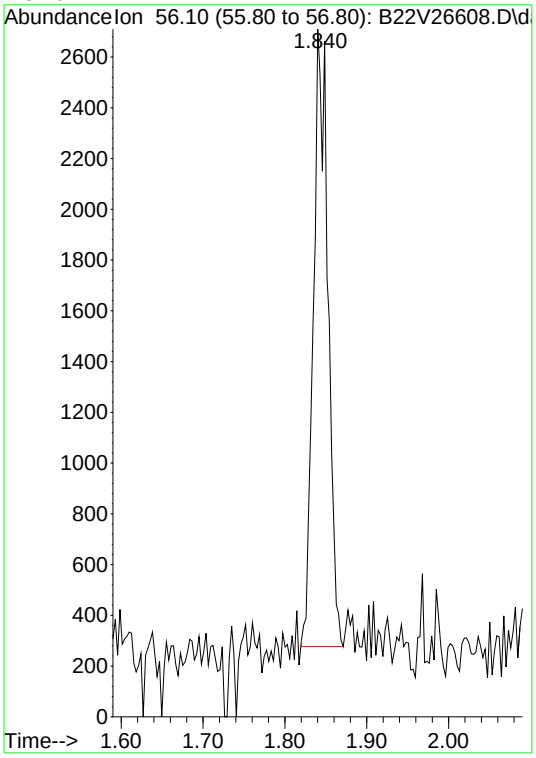
Mon Sep 26 07:30:03 2022

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

Manual Integration
ETHANOL




Original Integration
ACROLEIN




Original Int. Results
---

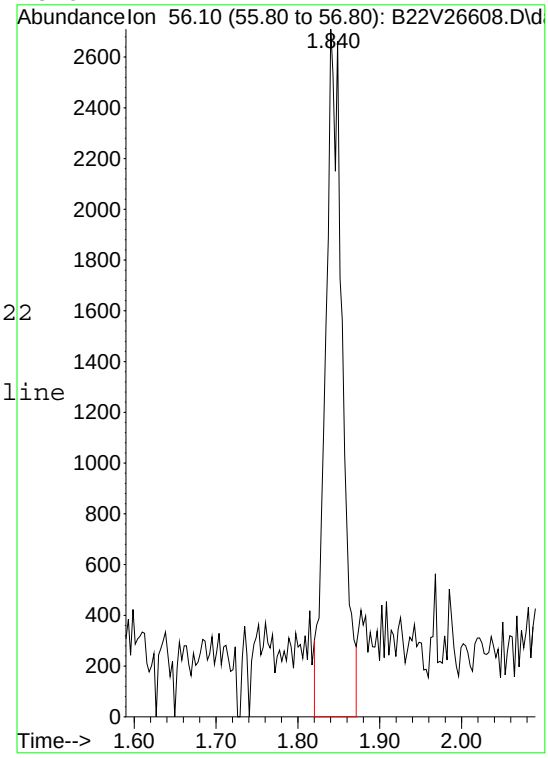
RT : 1.84
Area : 3012
Amount: 3.50378

Manual Int. Results
---

Mon Sep 26 07:30:12 2022

MIuser: LBD
Reason: Incorrect Baseline
RT : 1.84
Area : 3863
Amount: 4.49372

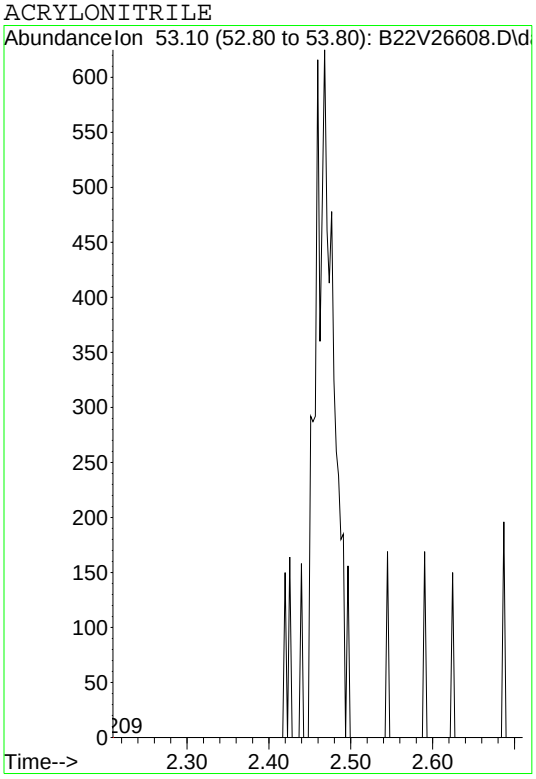
Manual Integration
ACROLEIN



Data Path : \\Voa2\MSDChem\1\DATA\B092322\
Data File : B22V26608.D
Acq On : 23 Sep 2022 11:20 am
Operator :
Sample : 8260 STD 0.5 PPB 2209385
Misc :

Quant Time : Mon Sep 26 07:32:06 2022
Quant Method : Y:\1\METHODS\B060920W-RT-UPDATE.M
QLast Update : Wed Sep 21 11:30:47 2022

Original Integration
ACRYLONITRILE




Original Int. Results
---

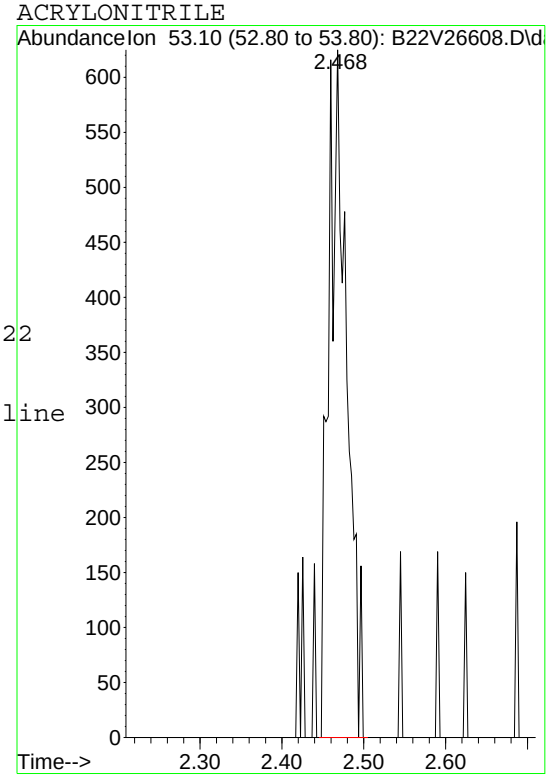
RT : 0.00
Area : 0
Amount: 0

Manual Int. Results
---

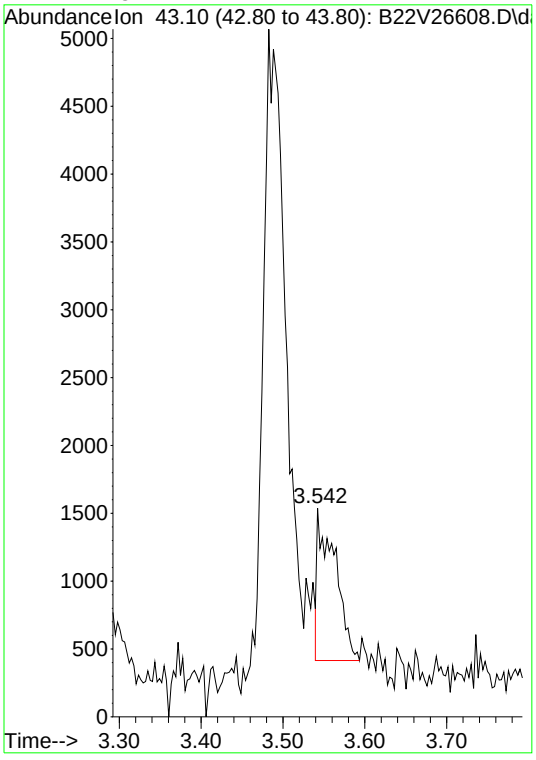
Mon Sep 26 07:30:30 2022

MIuser: LBD
Reason: Incorrect Baseline
RT : 2.47
Area : 965
Amount: 0.686825

Manual Integration
ACRYLONITRILE




Original Integration
ETHYL ACETATE




Original Int. Results
---

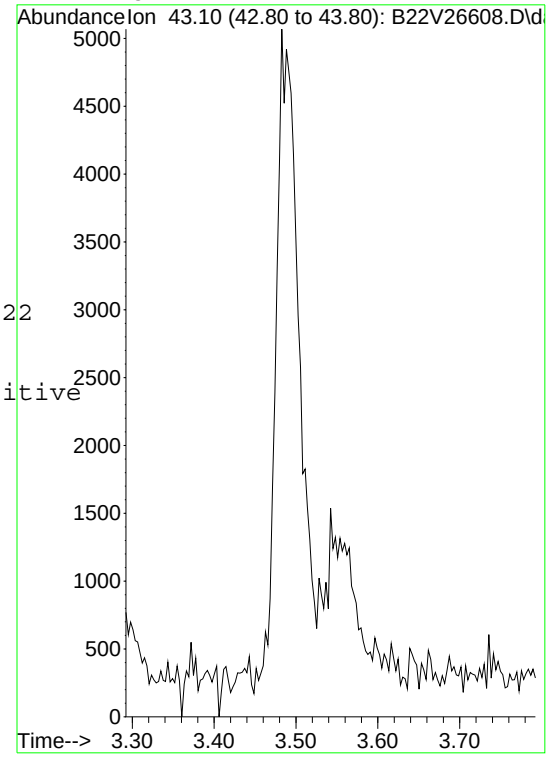
RT : 3.54
Area : 1712
Amount: 0.392391

Manual Int. Results
---

Mon Sep 26 07:30:42 2022

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

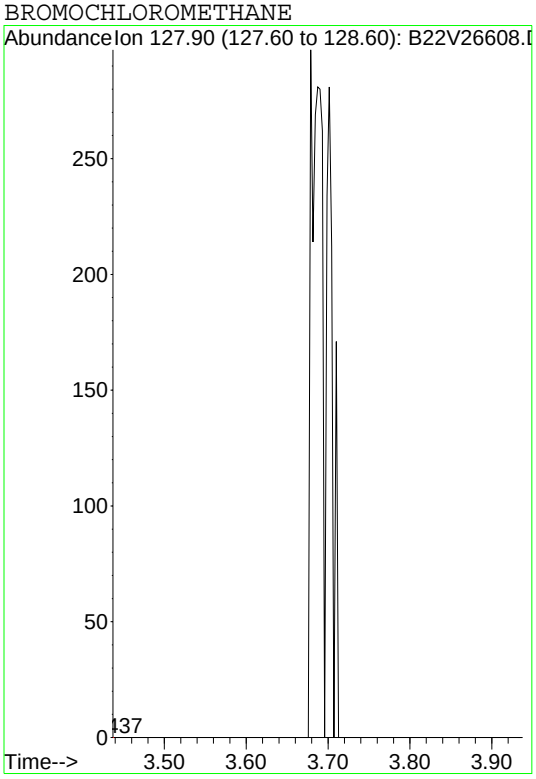
Manual Integration
ETHYL ACETATE



Data Path : \\Voa2\MSDChem\1\DATA\B092322\
Data File : B22V26608.D
Acq On : 23 Sep 2022 11:20 am
Operator :
Sample : 8260 STD 0.5 PPB 2209385
Misc :

Quant Time : Mon Sep 26 07:32:06 2022
Quant Method : Y:\1\METHODS\B060920W-RT-UPDATE.M
QLast Update : Wed Sep 21 11:30:47 2022

Original Integration
BROMOCHLOROMETHANE




Original Int. Results
---

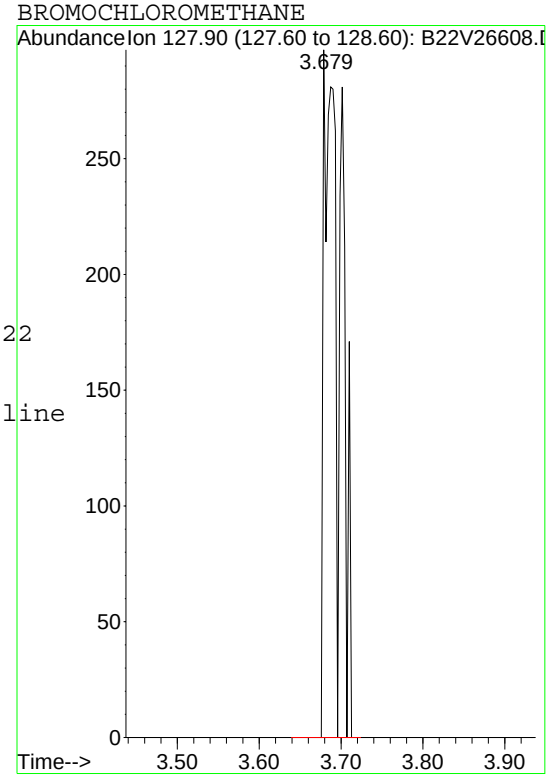
RT : 0.00
Area : 0
Amount: 0

Manual Int. Results
---

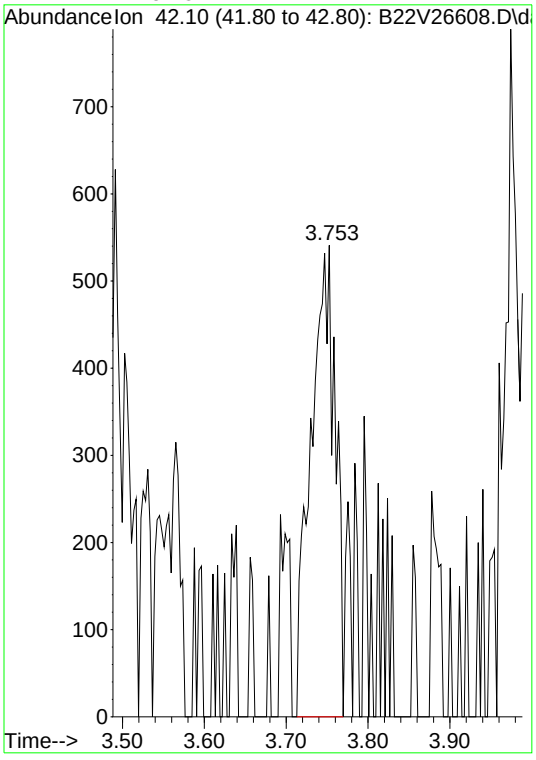
Mon Sep 26 07:30:47 2022

MIuser: LBD
Reason: Incorrect Baseline
RT : 3.68
Area : 426
Amount: 0.36272

Manual Integration
BROMOCHLOROMETHANE




Original Integration
TETRAHYDROFURAN




Original Int. Results
---

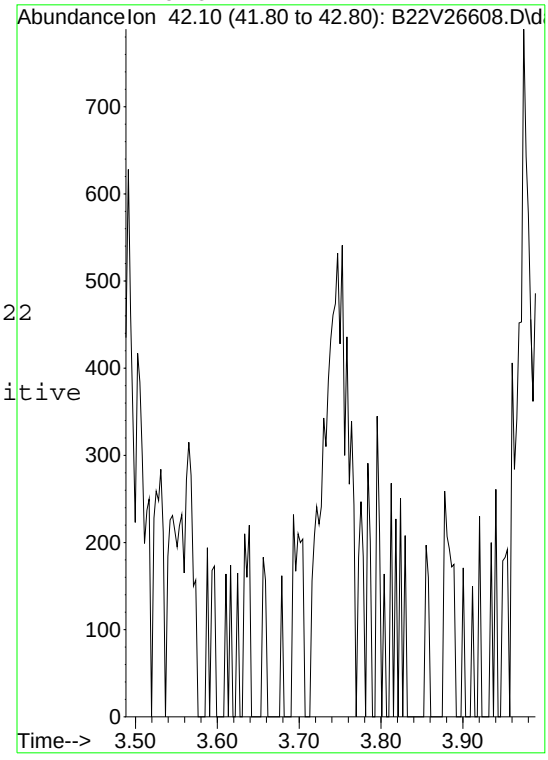
RT : 3.75
Area : 1119
Amount: 0.895152

Manual Int. Results
---

Mon Sep 26 07:30:51 2022

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

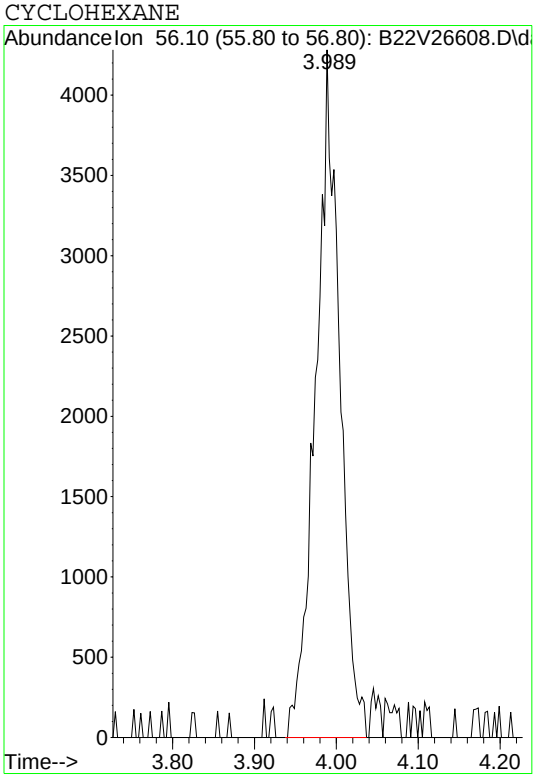
Manual Integration
TETRAHYDROFURAN



Data Path : \\Voa2\MSDChem\1\DATA\B092322\
Data File : B22V26608.D
Acq On : 23 Sep 2022 11:20 am
Operator :
Sample : 8260 STD 0.5 PPB 2209385
Misc :

Quant Time : Mon Sep 26 07:32:06 2022
Quant Method : Y:\1\METHODS\B060920W-RT-UPDATE.M
QLast Update : Wed Sep 21 11:30:47 2022

Original Integration
CYCLOHEXANE




Original Int. Results
---

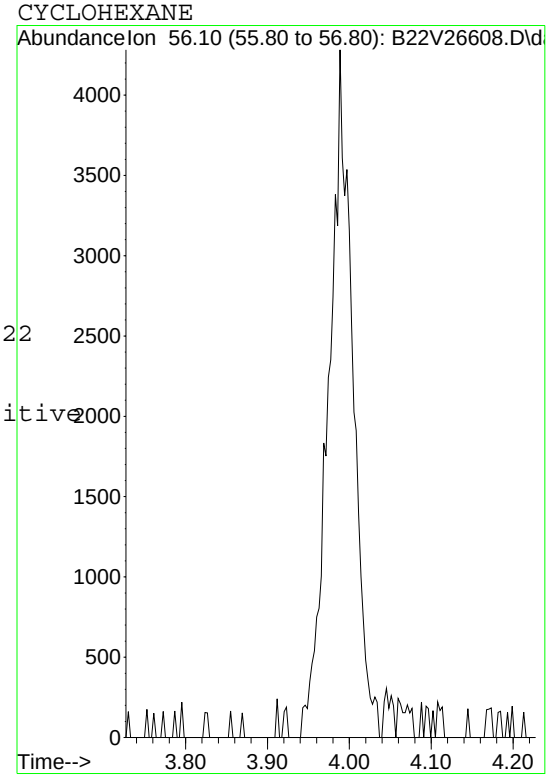
RT : 3.99
Area : 8756
Amount: 1.27803

Manual Int. Results
---

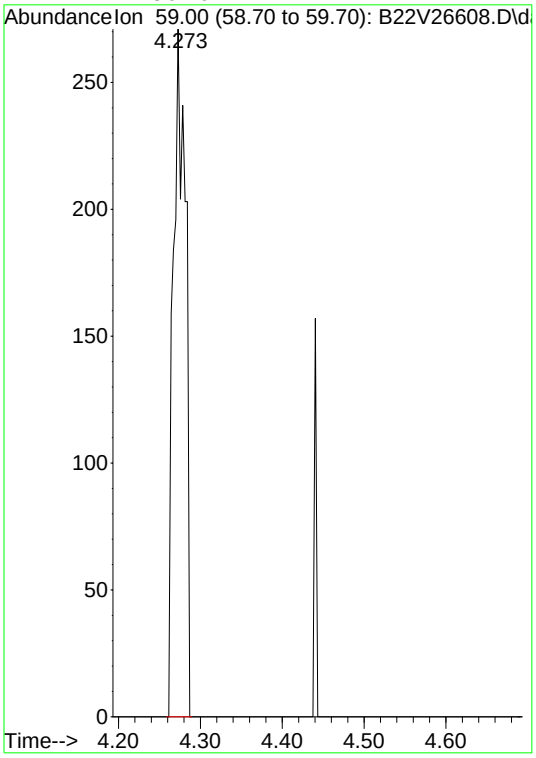
Mon Sep 26 07:31:01 2022

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

Manual Integration
CYCLOHEXANE




Original Integration
T-AMYL ALCOHOL




Original Int. Results
---

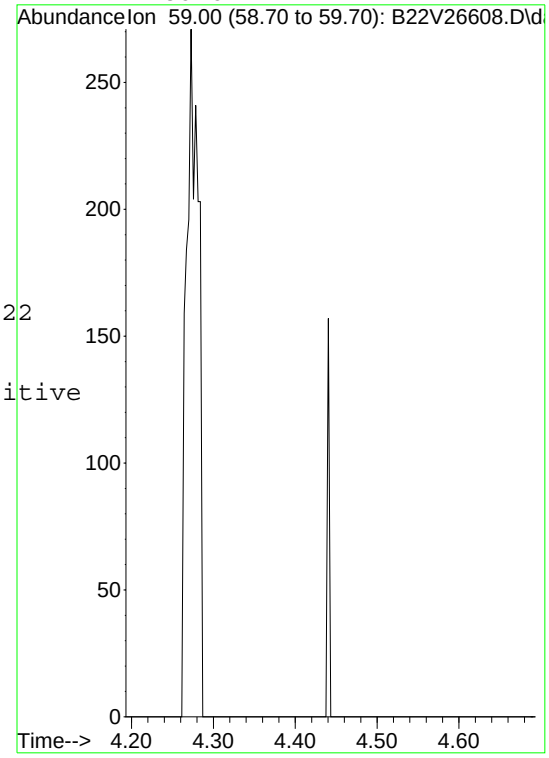
RT : 4.27
Area : 283
Amount: 0.855334

Manual Int. Results
---

Mon Sep 26 07:31:07 2022

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

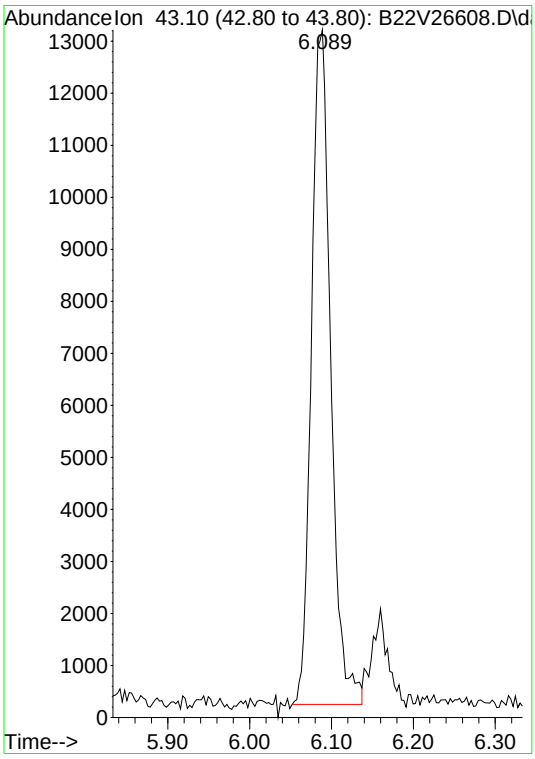
Manual Integration
T-AMYL ALCOHOL



Data Path : \\Voa2\MSDChem\1\DATA\B092322\
Data File : B22V26608.D
Acq On : 23 Sep 2022 11:20 am
Operator :
Sample : 8260 STD 0.5 PPB 2209385
Misc :

Quant Time : Mon Sep 26 07:32:06 2022
Quant Method : Y:\1\METHODS\B060920W-RT-UPDATE.M
QLast Update : Wed Sep 21 11:30:47 2022

Original Integration
MIBK




Original Int. Results
---

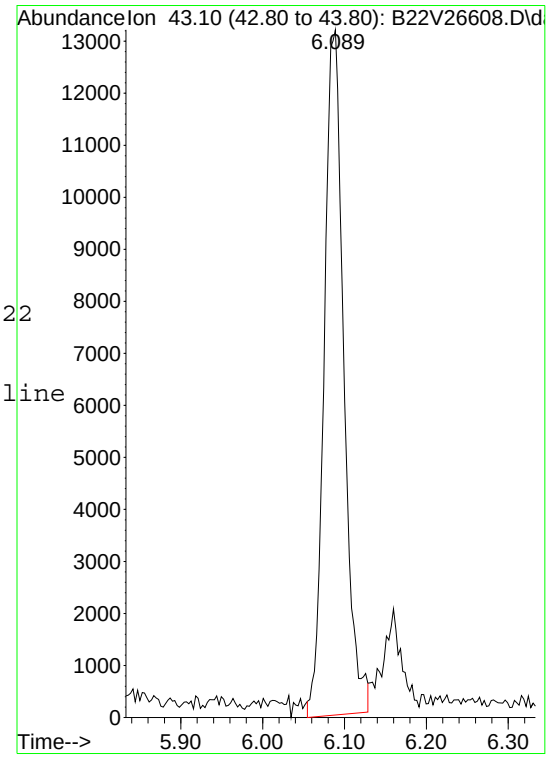
RT : 6.09
Area : 21206
Amount: 5.26565

Manual Int. Results
---

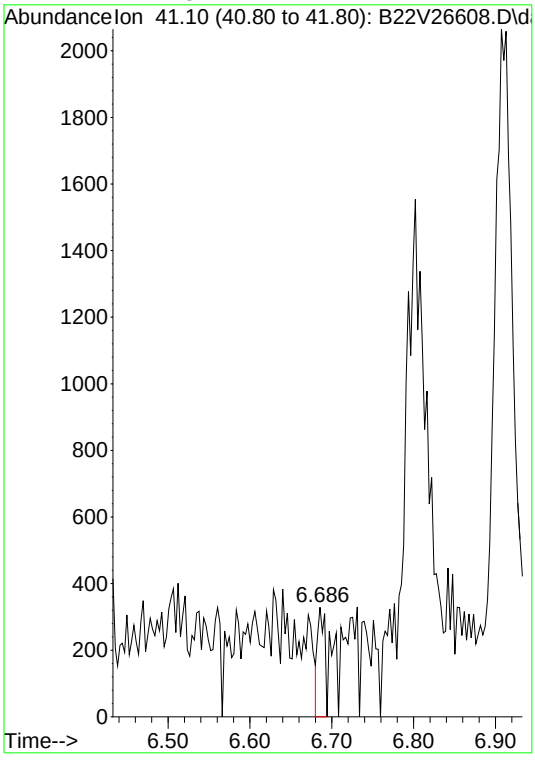
Mon Sep 26 07:31:21 2022

MIuser: LBD
Reason: Incorrect Baseline
RT : 6.09
Area : 21880
Amount: 5.43301

Manual Integration
MIBK




Original Integration
ETHYL METHACRYLATE




Original Int. Results
---

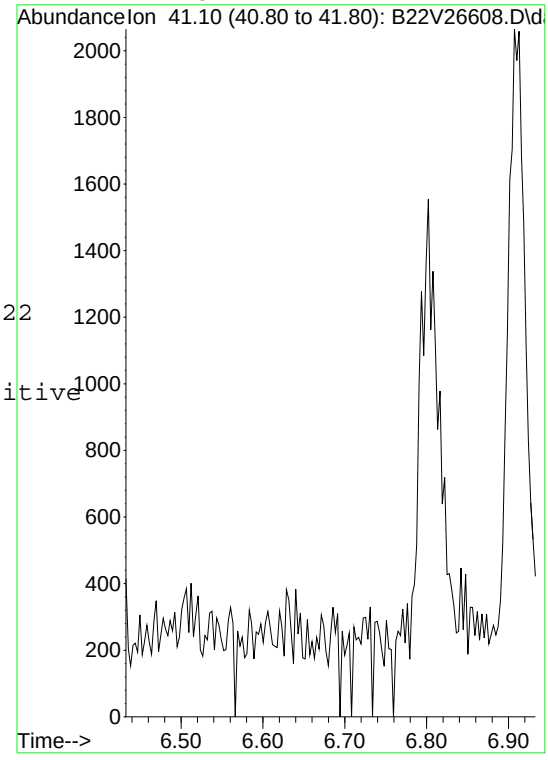
RT : 6.69
Area : 195
Amount: 0

Manual Int. Results
---

Mon Sep 26 07:31:31 2022

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

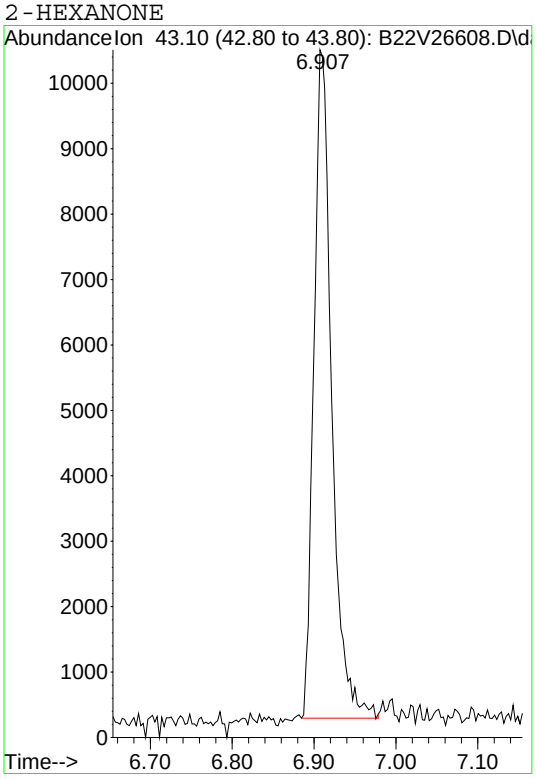
Manual Integration
ETHYL METHACRYLATE



Data Path : \\Voa2\MSDChem\1\DATA\B092322\
Data File : B22V26608.D
Acq On : 23 Sep 2022 11:20 am
Operator :
Sample : 8260 STD 0.5 PPB 2209385
Misc :

Quant Time : Mon Sep 26 07:32:06 2022
Quant Method : Y:\1\METHODS\B060920W-RT-UPDATE.M
QLast Update : Wed Sep 21 11:30:47 2022

Original Integration
2-HEXANONE




Original Int. Results
---

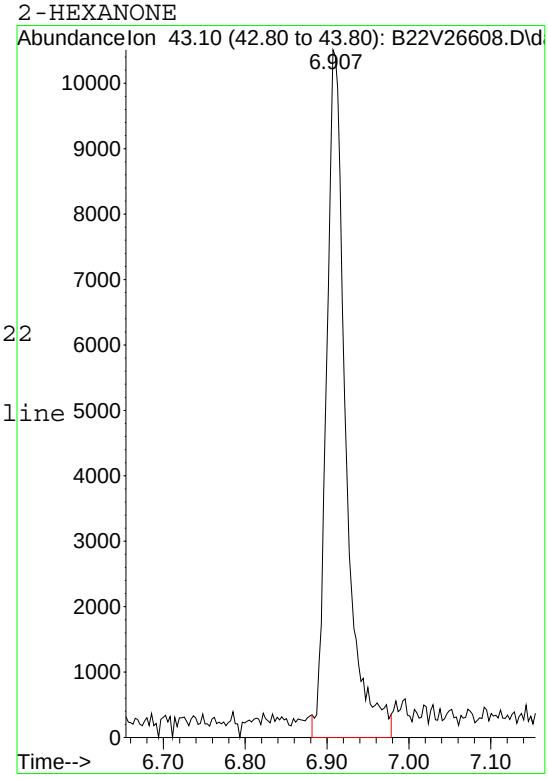
RT : 6.91
Area : 15382
Amount: 5.09836

Manual Int. Results
---

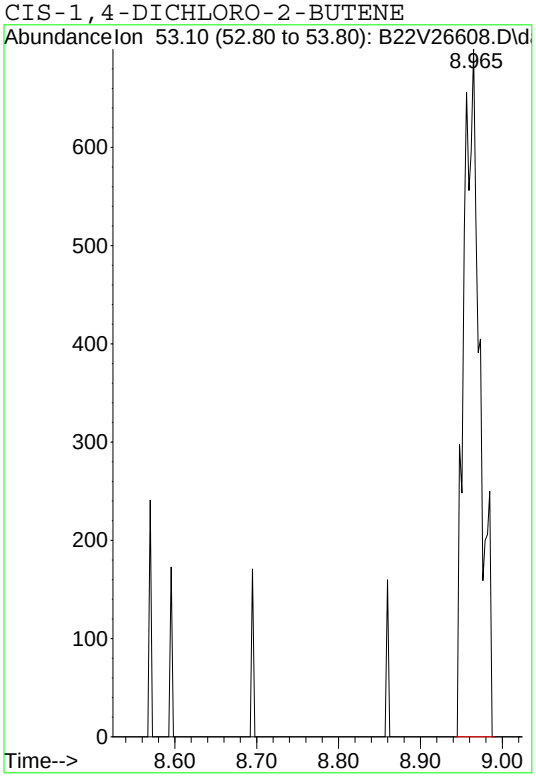
Mon Sep 26 07:31:36 2022

MIuser: LBD
Reason: Incorrect Baseline
RT : 6.91
Area : 17094
Amount: 5.6658

Manual Integration
2-HEXANONE




Original Integration
CIS-1,4-DICHLORO-2-BUTENE




Original Int. Results
---

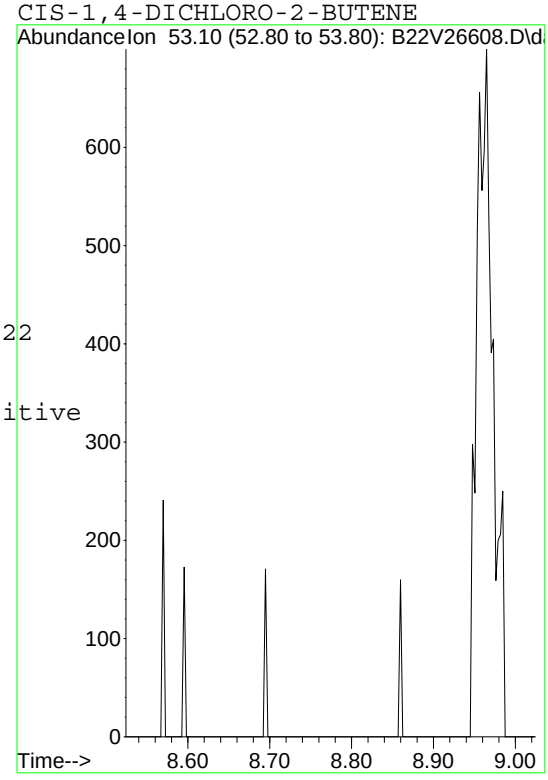
RT : 8.96
Area : 973
Amount: 0

Manual Int. Results
---

Mon Sep 26 07:31:50 2022

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

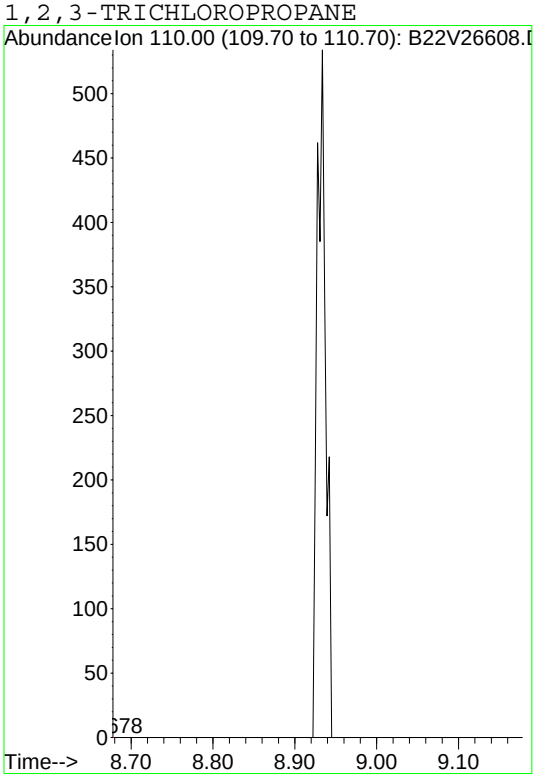
Manual Integration
CIS-1,4-DICHLORO-2-BUTENE



Data Path : \\Voa2\MSDChem\1\DATA\B092322\
Data File : B22V26608.D
Acq On : 23 Sep 2022 11:20 am
Operator :
Sample : 8260 STD 0.5 PPB 2209385
Misc :

Quant Time : Mon Sep 26 07:32:06 2022
Quant Method : Y:\1\METHODS\B060920W-RT-UPDATE.M
QLast Update : Wed Sep 21 11:30:47 2022

Original Integration
1,2,3-TRICHLOROPROPANE




Original Int. Results
---

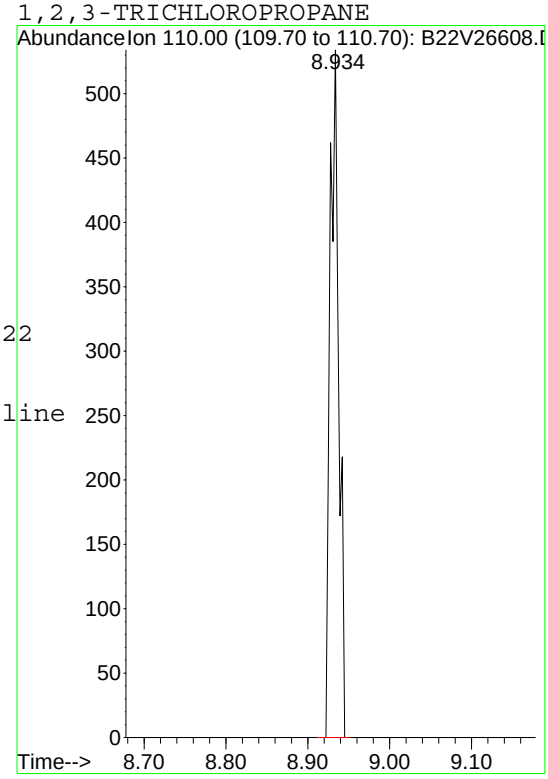
RT : 0.00
Area : 0
Amount: 0

Manual Int. Results
---

Mon Sep 26 07:32:06 2022

MIuser: LBD
Reason: Incorrect Baseline
RT : 8.93
Area : 397
Amount: 0.426777

Manual Integration
1,2,3-TRICHLOROPROPANE



Data Path : \\Voa2\MSDChem\1\DATA\B092322\
Data File : B22V26609.D
Acq On : 23 Sep 2022 11:46 am
Operator :
Sample : 8260 STD 1.0 PPB 2209385 Inst : GCMSVOA2
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 26 07:39:44 2022
Quant Method : Y:\1\METHODS\B060920W-RT-UPDATE.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Sep 21 11:30:47 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| 1) PENTAFLUOROBENZENE - ISTD | 3.997 | 168 | 179883 | 30.00 | UG/L | | 0.00 |
| 44) 1,4-DIFLOUROBENZENE - ... | 4.722 | 114 | 275694 | 30.00 | UG/L | | 0.00 |
| 65) CHLOROBENZENE-D5 ISTD | 7.564 | 82 | 146045 | 30.00 | UG/L | | 0.00 |
| 84) 1,4-DICHLOROBENZENE-D4... | 9.860 | 152 | 161205 | 30.00 | UG/L | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 2) 1,2-DICHLOROETHANE-D4 SS | 4.276 | 65 | 105293 | 22.72 | UG/L | | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 90.88% | | | | |
| 45) TOLUENE-D8 SS | 6.160 | 98 | 282449 | 24.51 | UG/L | | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 98.04% | | | | |
| 66) 4-BROMOFLUROBENZENE SS | 8.726 | 95 | 115580 | 25.50 | UG/L | | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 102.00% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 3) DICHLORODIFLOUROMETHANE | 1.030 | 85 | 3063 | 0.83 | UG/L | | 99 |
| 4) DIFLUOROCHLOROMETHANE | 1.039 | 51 | 5854 | 1.15 | UG/L | | 100 |
| 5) CHLOROMETHANE | 1.135 | 50 | 6450 | 0.57 | UG/L | | 99 |
| 6) VINYL CHLORIDE | 1.189 | 62 | 4030 | 0.96 | UG/L | | 95 |
| 7) BROMOMETHANE | 1.374 | 94 | 2251 | 5.02 | UG/L | | 89 |
| 8) CHLOROETHANE | 1.434 | 64 | 2285 | 0.99 | UG/L | | 94 |
| 9) FLUORODICHLOROMETHANE | 1.544 | 67 | 5155 | 0.89 | UG/L | # | 85 |
| 10) TRICHLOROFLUOROMETHANE | 1.573 | 101 | 3756 | 0.79 | UG/L | | 91 |
| 11) ETHANOL | 0.000 | | 0 | N.D. | d | | |
| 12) DI ETHYL ETHER | 1.749 | 59 | 2610 | 1.08 | UG/L | # | 83 |
| 13) ACROLEIN | 1.843 | 56 | 8408 | 9.78 | UG/L | # | 91 |
| 14) ACETONE | 1.945 | 43 | 14361 | 11.26 | UG/L | | 99 |
| 15) 1,1-DICHLOROETHENE | 1.897 | 61 | 4741 | 0.99 | UG/L | | 93 |
| 16) 1,1,2-TRICL-1,2,2-TRIF... | 1.888 | 101 | 2059 | 0.89 | UG/L | | 89 |
| 17) IODOMETHANE | 2.011 | 142 | 28018 | 16.96 | UG/L | | 94 |
| 18) METHYL ACETATE | 2.172 | 43 | 4490 | 1.11 | UG/L | # | 86 |
| 19) T-BUTYL ALCOHOL | 2.354 | 59 | 4207 | 9.39 | UG/L | # | 59 |
| 20) ACRYLONITRILE | 2.462 | 53 | 1787 | 1.27 | UG/L | | 91 |
| 21) METHYLENE CHLORIDE | 2.246 | 49 | 5606 | 1.07 | UG/L | # | 87 |
| 22) CARBON DISULFIDE | 2.050 | 76 | 66500 | 8.73 | UG/L | | 99 |
| 23) METHYL TERT-BUTYL ETHE... | 2.465 | 73 | 6973 | 0.94 | UG/L | # | 68 |
| 24) TRANS 1,2-DICHLOROETHENE | 2.462 | 61 | 4550 | 1.00 | UG/L | | 96 |
| 25) 1,1-DICHLOROETHANE | 2.849 | 63 | 5160 | 0.92 | UG/L | | 98 |
| 26) VINYL ACETATE | 2.909 | 43 | 98109 | 10.45 | UG/L | # | 95 |
| 27) DI ISOPROPYL ETHER | 2.914 | 45 | 14118 | 1.15 | UG/L | | 92 |
| 28) 2-BUTANONE | 3.483 | 43 | 21215 | 10.67 | UG/L | # | 89 |
| 29) T-BUTYL ETHYL ETHER | 3.289 | 59 | 11012 | 1.06 | UG/L | | 91 |
| 30) CIS-1,2-DICHLOROETHENE | 3.443 | 61 | 5239 | 0.97 | UG/L | | 92 |
| 31) 2,2-DICHLOROPROPANE | 3.431 | 77 | 3994 | 0.91 | UG/L | # | 78 |
| 32) ETHYL ACETATE | 0.000 | | 0 | N.D. | d | | |
| 33) BROMOCHLOROMETHANE | 3.682 | 128 | 1210 | 1.03 | UG/L | | 83 |
| 34) TETRAHYDROFURAN | 0.000 | | 0 | N.D. | d | | |
| 35) T-BUTYL FORMATE | 0.000 | | 0 | N.D. | | | |
| 36) CHLOROFORM | 3.781 | 83 | 4559 | 0.90 | UG/L | | 98 |
| 37) 1,1,1-TRICHLOROETHANE | 3.937 | 97 | 3982 | 0.88 | UG/L | | 96 |
| 38) CYCLOHEXANE | 3.983 | 56 | 13101 | 1.91 | UG/L | | 89 |
| 39) CARBON TETRACHLORIDE | 4.099 | 117 | 3906 | 0.95 | UG/L | | 95 |
| 40) 1,1-DICHLOROPROPENE | 4.108 | 75 | 3399 | 0.86 | UG/L | | 94 |
| 41) BENZENE | 4.318 | 78 | 9829 | 0.90 | UG/L | | 99 |
| 42) T-AMYL ALCOHOL | 0.000 | | 0 | N.D. | | | |
| 43) T-AMYLMETHYL ETHER | 4.443 | 73 | 7135 | 0.95 | UG/L | # | 66 |
| 46) 1,2-DICHLOROETHANE | 4.355 | 62 | 4222 | 0.95 | UG/L | # | 91 |
| 47) TRICHLOROETHENE | 4.969 | 95 | 2399 | 0.90 | UG/L | | 96 |

Data Path : \\Voa2\MSDChem\1\DATA\B092322\
Data File : B22V26609.D
Acq On : 23 Sep 2022 11:46 am
Operator :
Sample : 8260 STD 1.0 PPB 2209385 Inst : GCMSVOA2
Misc :
ALS Vial : 9 Sample Multiplier: 1



Quant Time: Sep 26 07:39:44 2022
Quant Method : Y:\1\METHODS\B060920W-RT-UPDATE.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Sep 21 11:30:47 2022
Response via : Initial Calibration

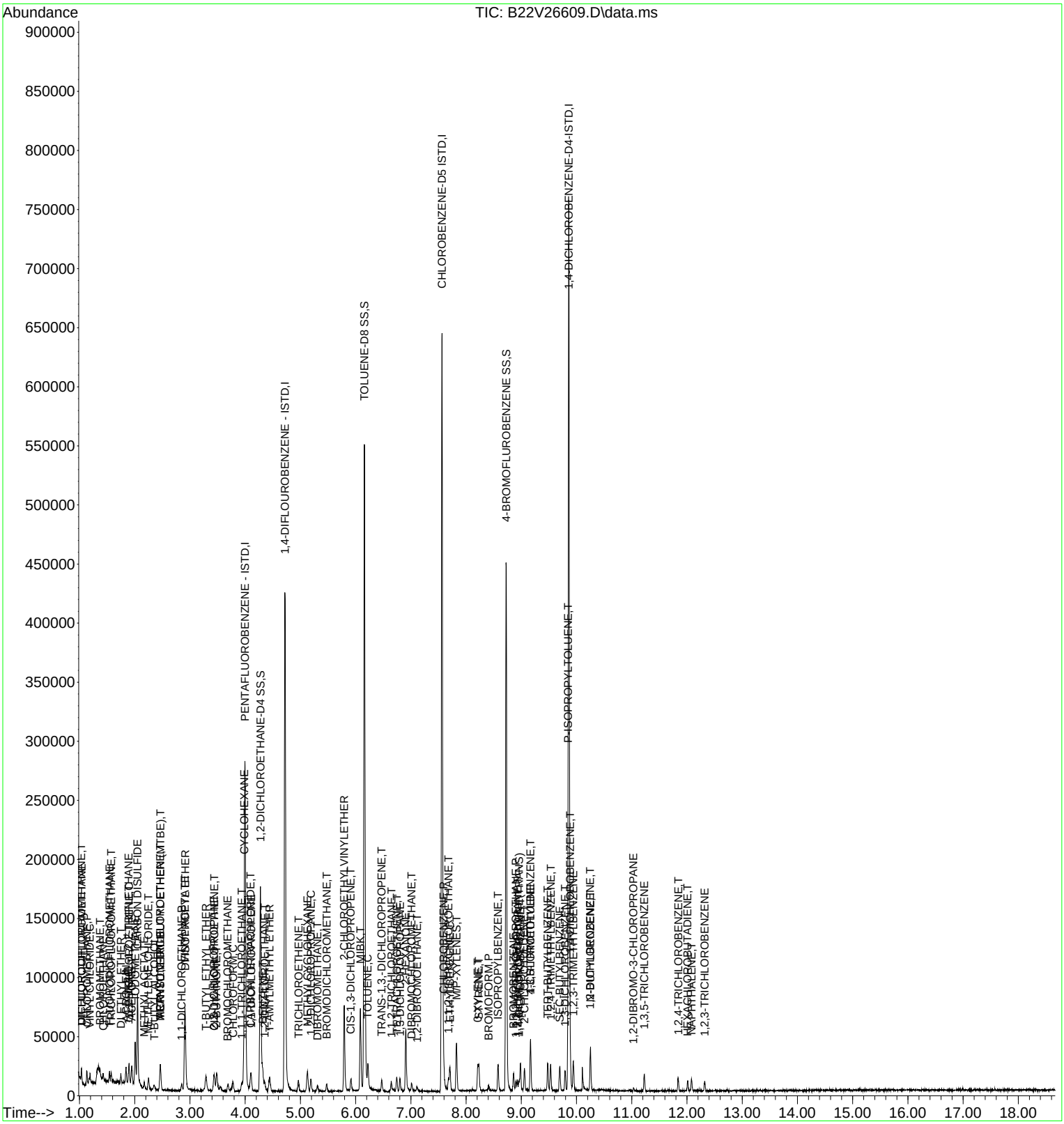
| Compound | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 48) METHYLCYCLOHEXANE | 5.128 | 83 | 4548 | 0.96 UG/L # | 70 |
| 49) 1,2-DICHLOROPROPANE | 5.191 | 63 | 3300 | 1.10 UG/L # | 88 |
| 50) DIBROMOMETHANE | 5.307 | 93 | 1358 | 0.85 UG/L | 96 |
| 51) 1,4-DIOXANE | 0.000 | | 0 | N.D. | |
| 52) BROMODICHLOROMETHANE | 5.478 | 83 | 3253 | 0.92 UG/L # | 97 |
| 53) 2-CHLOROETHYLVINYLETHER | 5.793 | 63 | 23751 | 33.47 UG/L | 83 |
| 54) MIBK | 6.086 | 43 | 45489 | 11.13 UG/L # | 97 |
| 55) CIS-1,3-DICHLOROPROPENE | 5.913 | 75 | 3930 | 0.91 UG/L # | 66 |
| 56) TOLUENE | 6.219 | 91 | 10595 | 0.90 UG/L | 97 |
| 57) TRANS-1,3,-DICHLOROPRO... | 6.470 | 75 | 3380 | 0.89 UG/L # | 71 |
| 58) ETHYL METHACRYLATE | 0.000 | | 0 | N.D. d | |
| 59) 1,1,2-TRICHLOROETHANE | 6.649 | 97 | 1981 | 0.88 UG/L | 99 |
| 60) 2-HEXANONE | 6.907 | 43 | 34711 | 11.33 UG/L # | 96 |
| 61) TETRACHLOROETHENE | 6.748 | 164 | 2252 | 0.97 UG/L | 96 |
| 62) 1,3-DICHLOROPROPANE | 6.805 | 76 | 3596 | 0.88 UG/L # | 68 |
| 63) DIBROMOCHLOROMETHANE | 7.015 | 129 | 2722 | 1.00 UG/L | 98 |
| 64) 1,2-DIBROMOETHANE | 7.115 | 107 | 2240 | 0.90 UG/L # | 96 |
| 67) CHLOROBENZENE | 7.592 | 112 | 7083 | 0.95 UG/L # | 48 |
| 68) 1,1,1,2-TETRACHLOROETHANE | 7.680 | 131 | 2754 | 1.11 UG/L | 96 |
| 69) ETHYLBENZENE | 7.709 | 91 | 11752 | 0.90 UG/L | 100 |
| 70) M/P-XYLENES | 7.828 | 91 | 19049 | 1.87 UG/L | 98 |
| 71) 0-XYLENE | 8.209 | 91 | 9646 | 0.92 UG/L | 97 |
| 72) STYRENE | 8.232 | 104 | 7699 | 0.96 UG/L # | 91 |
| 73) BROMOFORM | 8.408 | 173 | 2041 | 1.11 UG/L # | 92 |
| 74) ISOPROPYLBENZENE | 8.575 | 105 | 12363 | 0.94 UG/L | 98 |
| 75) CIS-1,4-DICHLORO-2-BUTENE | 0.000 | | 0 | N.D. d | |
| 76) 1,1,2,2-TETRACHLOROETHANE | 8.902 | 83 | 3198 | 0.93 UG/L # | 93 |
| 77) 1,4-DICHLORO-2-BUTENE(... | 8.959 | 53 | 1867 | 1.49 UG/L | 90 |
| 78) BROMOBENZENE | 8.860 | 77 | 4684 | 0.98 UG/L | 97 |
| 79) 1,2,3-TRICHLOROPROPANE | 8.934 | 110 | 937 | 0.99 UG/L # | 60 |
| 80) N-PROPYLBENZENE | 8.985 | 91 | 14822 | 0.91 UG/L | 97 |
| 81) 2-CHLOROT0LUENE | 9.056 | 91 | 8728m | 0.93 UG/L | |
| 82) 1,3,5-TRIMETHYLBENZENE | 9.167 | 105 | 10671 | 0.95 UG/L | 97 |
| 83) 4-CHLOROTOLUENE | 9.167 | 91 | 9655 | 0.89 UG/L | 94 |
| 85) TERT-BUTYLBENZENE | 9.476 | 119 | 8937 | 0.86 UG/L | 96 |
| 86) 1,2,4-TRIMETHYLBENZENE | 9.533 | 105 | 10257 | 0.85 UG/L | 94 |
| 87) SEC-BUTYLBENZENE | 9.695 | 105 | 12715 | 0.82 UG/L | 99 |
| 88) 1,3-DICHLOROBENZENE | 9.792 | 146 | 6076 | 0.89 UG/L | 98 |
| 89) P-ISOPROPYLTOLUENE | 9.846 | 119 | 11157 | 0.86 UG/L | 97 |
| 90) 1,4-DICHLOROBENZENE | 9.883 | 146 | 6093 | 0.86 UG/L # | 70 |
| 91) 1,2,3-TRIMETHYLBENZENE | 9.942 | 105 | 11651 | 0.99 UG/L # | 100 |
| 92) N-BUTYLBENZENE | 10.252 | 91 | 10189 | 0.81 UG/L | 99 |
| 93) 1,2-DICHLOROBENZENE | 10.247 | 146 | 5460 | 0.84 UG/L | 97 |
| 94) 1,2-DIBROMO-3-CHLOROPR... | 11.028 | 75 | 559 | 0.77 UG/L # | 59 |
| 95) 1,3,5-TRICHLOROBENZENE | 11.227 | 180 | 4280 | 0.87 UG/L | 91 |
| 96) 1,2,4-TRICHLOROBENZENE | 11.844 | 180 | 3152 | 0.73 UG/L | 94 |
| 97) HEXACHLOROBUTADIENE | 12.009 | 225 | 1595 | 0.71 UG/L # | 88 |
| 98) NAPHTHALENE | 12.082 | 128 | 7345 | 0.67 UG/L | 99 |
| 99) 1,2,3-TRICHLOROBENZENE | 12.318 | 180 | 2486 | 0.61 UG/L | 98 |

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

Data Path : \\Voa2\MSDChem\1\DATA\B092322\
Data File : B22V26609.D
Acq On : 23 Sep 2022 11:46 am
Operator :
Sample : 8260 STD 1.0 PPB 2209385 Inst : GCMSVOA2
Misc :
ALS Vial : 9 Sample Multiplier: 1



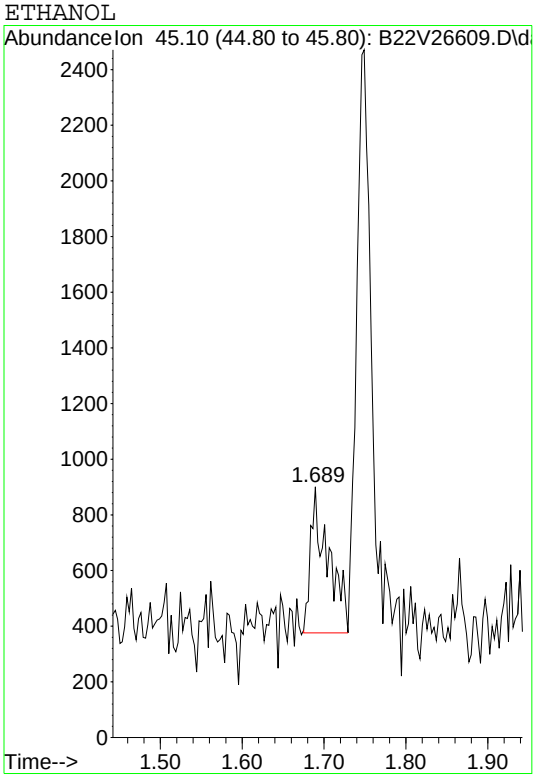
Quant Time: Sep 26 07:39:44 2022
Quant Method : Y:\1\METHODS\B060920W-RT-UPDATE.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Sep 21 11:30:47 2022
Response via : Initial Calibration



Data Path : \\Voa2\MSDChem\1\DATA\B092322\
Data File : B22V26609.D
Acq On : 23 Sep 2022 11:46 am
Operator :
Sample : 8260 STD 1.0 PPB 2209385
Misc :

Quant Time : Mon Sep 26 07:39:44 2022
Quant Method : Y:\1\METHODS\B060920W-RT-UPDATE.M
QLast Update : Wed Sep 21 11:30:47 2022

Original Integration
ETHANOL




Original Int. Results
---

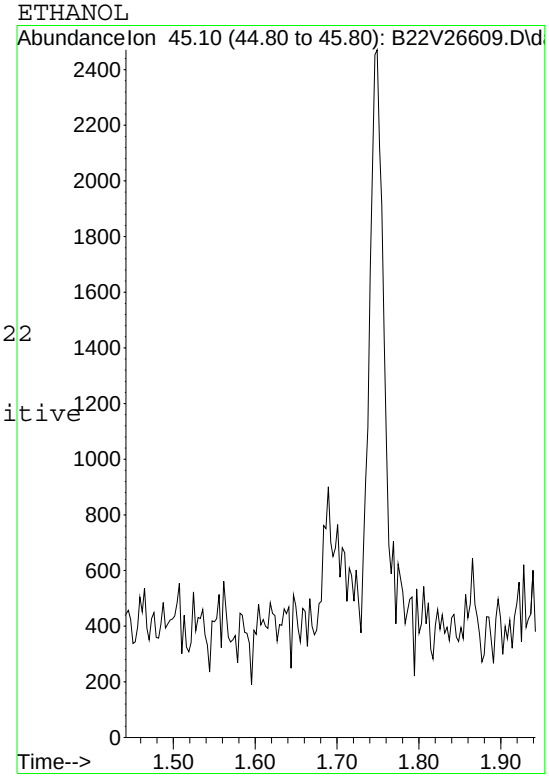
RT : 1.69
Area : 784
Amount: 13.4488

Manual Int. Results
---

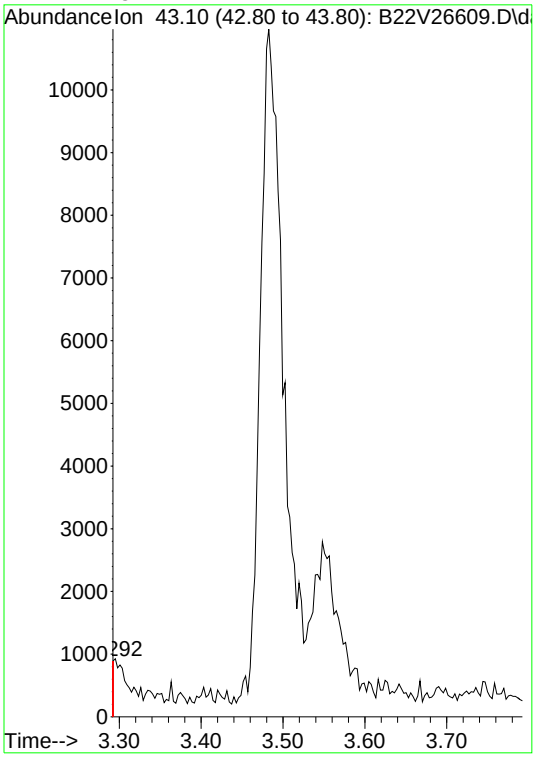
Mon Sep 26 07:38:00 2022

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

Manual Integration
ETHANOL




Original Integration
ETHYL ACETATE




Original Int. Results
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RT : 0.00
Area : 0
Amount: 0

Manual Int. Results
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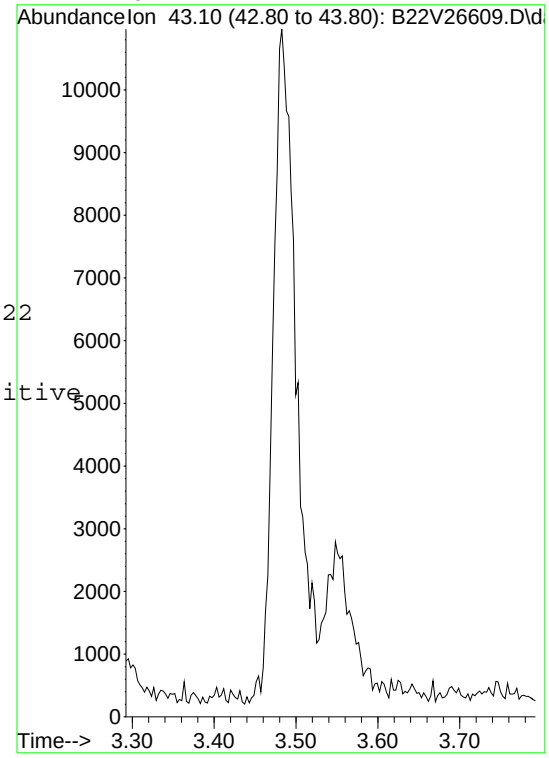
Mon Sep 26 07:38:36 2022

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

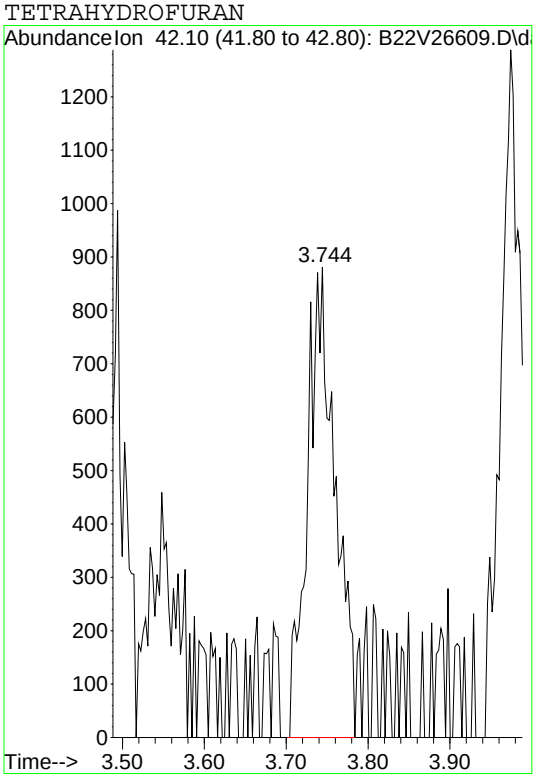
Manual Integration
ETHYL ACETATE



Data Path : \\Voa2\MSDChem\1\DATA\B092322\
Data File : B22V26609.D
Acq On : 23 Sep 2022 11:46 am
Operator :
Sample : 8260 STD 1.0 PPB 2209385
Misc :

Quant Time : Mon Sep 26 07:39:44 2022
Quant Method : Y:\1\METHODS\B060920W-RT-UPDATE.M
QLast Update : Wed Sep 21 11:30:47 2022

Original Integration
TETRAHYDROFURAN




Original Int. Results
---

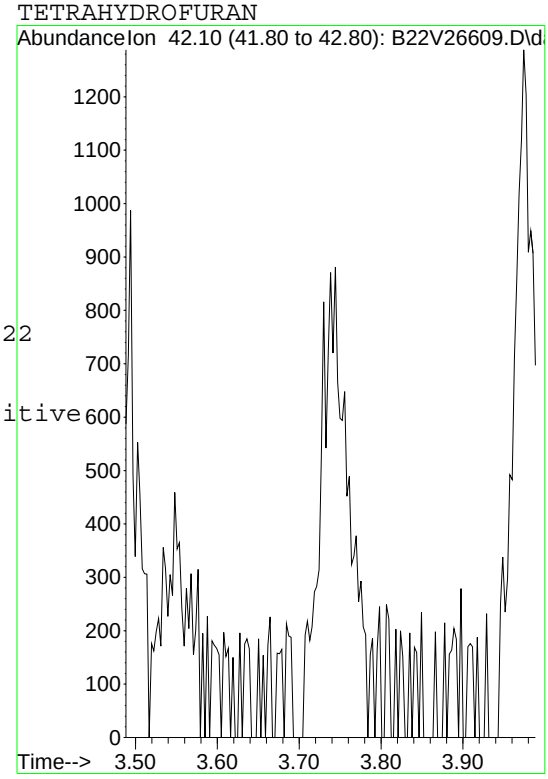
RT : 3.74
Area : 2078
Amount: 1.6614

Manual Int. Results
---

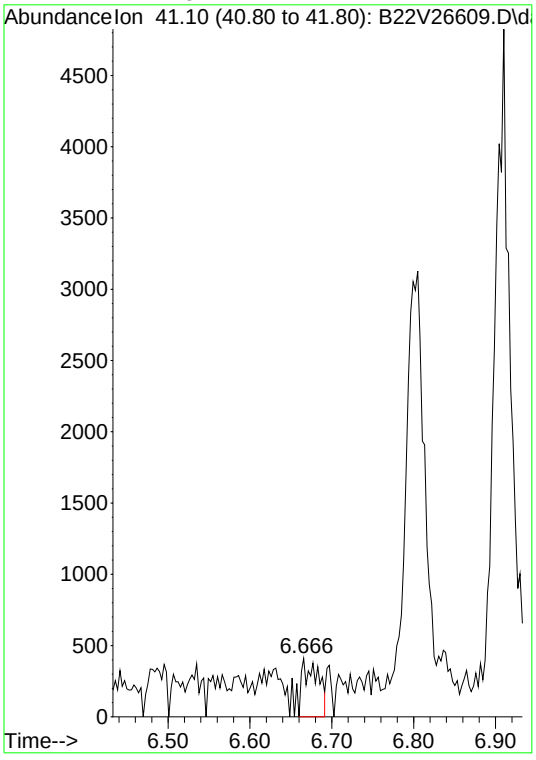
Mon Sep 26 07:38:41 2022

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

Manual Integration
TETRAHYDROFURAN




Original Integration
ETHYL METHACRYLATE




Original Int. Results
---

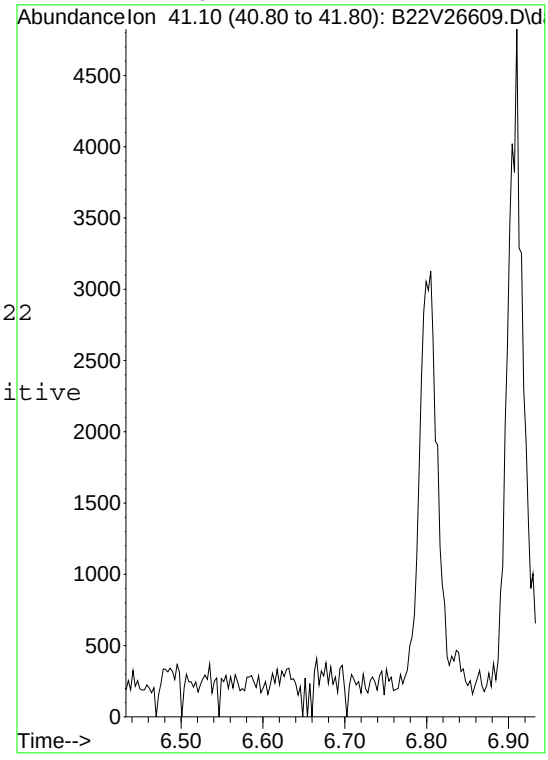
RT : 6.67
Area : 546
Amount: 0

Manual Int. Results
---

Mon Sep 26 07:39:17 2022

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

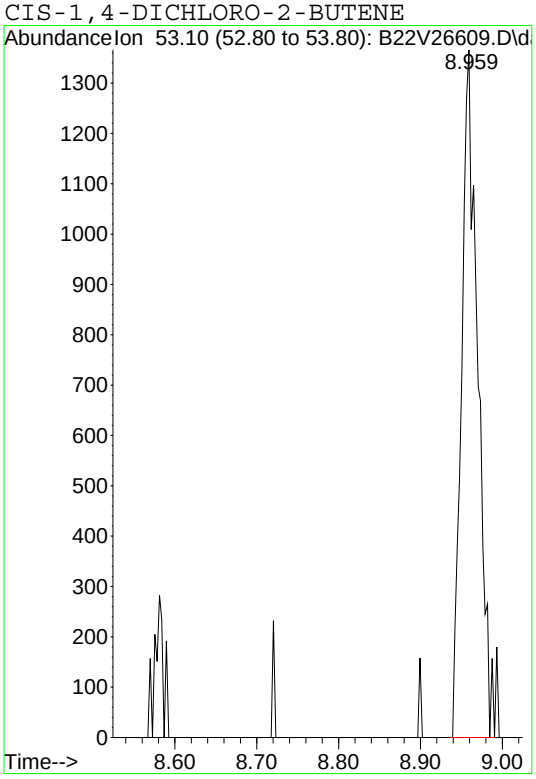
Manual Integration
ETHYL METHACRYLATE



Data Path : \\Voa2\MSDChem\1\DATA\B092322\
Data File : B22V26609.D
Acq On : 23 Sep 2022 11:46 am
Operator :
Sample : 8260 STD 1.0 PPB 2209385
Misc :

Quant Time : Mon Sep 26 07:39:44 2022
Quant Method : Y:\1\METHODS\B060920W-RT-UPDATE.M
QLast Update : Wed Sep 21 11:30:47 2022

Original Integration
CIS-1,4-DICHLORO-2-BUTENE




Original Int. Results
---

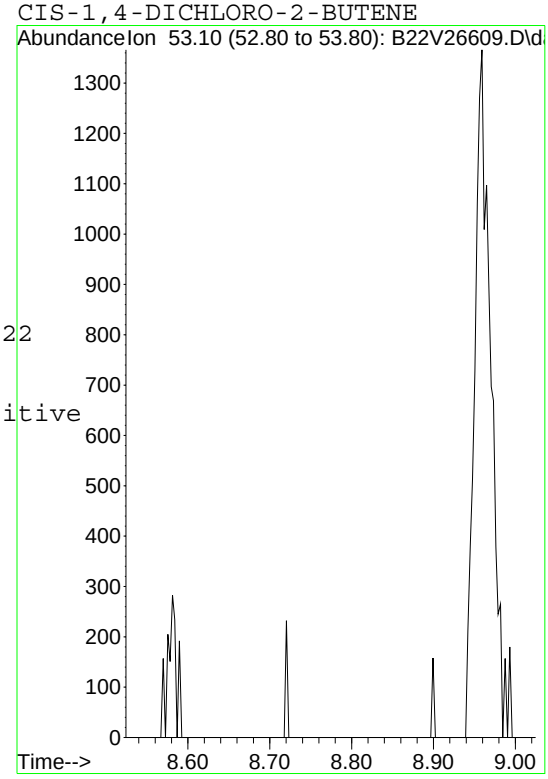
RT : 8.96
Area : 1867
Amount: 0

Manual Int. Results
---

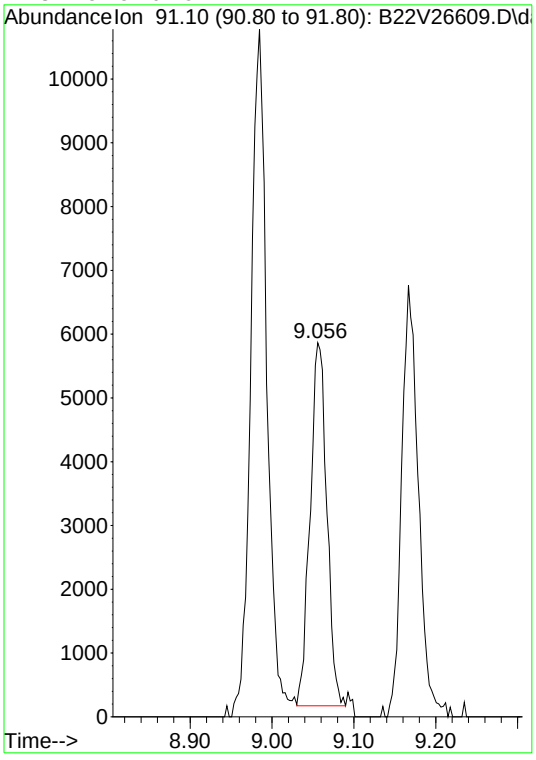
Mon Sep 26 07:39:32 2022

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

Manual Integration
CIS-1,4-DICHLORO-2-BUTENE




Original Integration
2-CHLOROTOLUENE




Original Int. Results
---

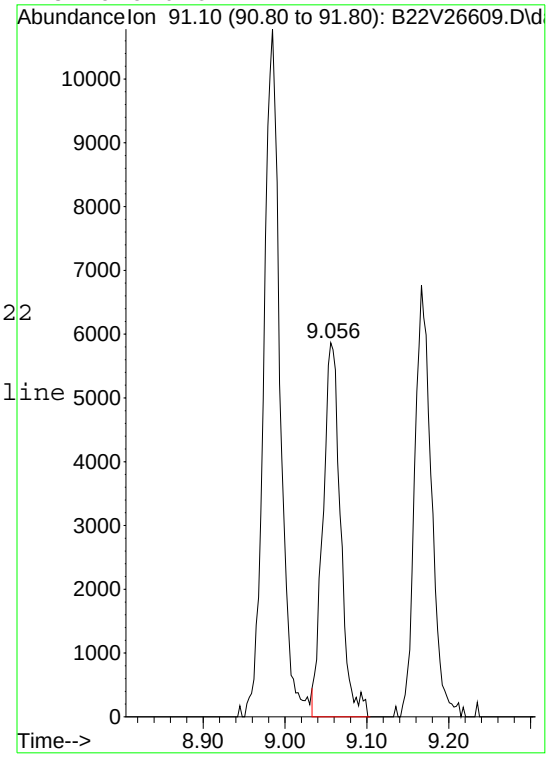
RT : 9.06
Area : 8029
Amount: 0.856951

Manual Int. Results
---

Mon Sep 26 07:39:44 2022

MIuser: LBD
Reason: Incorrect Baseline
RT : 9.06
Area : 8728
Amount: 0.931556

Manual Integration
2-CHLOROTOLUENE



Data Path : \\Voa2\MSDChem\1\DATA\B092322\
Data File : B22V26610.D
Acq On : 23 Sep 2022 12:12 pm
Operator :
Sample : 8260 STD 2.0 PPB 2209385 Inst : GCMSVOA2
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 26 07:41:44 2022
Quant Method : Y:\1\METHODS\B060920W-RT-UPDATE.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Sep 21 11:30:47 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) PENTAFLUOROBENZENE - ISTD | 3.997 | 168 | 178391 | 30.00 | UG/L | | 0.00 |
| 44) 1,4-DIFLOUROBENZENE - ... | 4.722 | 114 | 273231 | 30.00 | UG/L | | 0.00 |
| 65) CHLOROBENZENE-D5 ISTD | 7.564 | 82 | 144649 | 30.00 | UG/L | | 0.00 |
| 84) 1,4-DICHLOROBENZENE-D4... | 9.860 | 152 | 161740 | 30.00 | UG/L | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 2) 1,2-DICHLOROETHANE-D4 SS | 4.273 | 65 | 103144 | 22.44 | UG/L | | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 89.76% | | | | |
| 45) TOLUENE-D8 SS | 6.157 | 98 | 278633 | 24.40 | UG/L | | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 97.60% | | | | |
| 66) 4-BROMOFLUROBENZENE SS | 8.723 | 95 | 115725 | 25.78 | UG/L | | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 103.12% | | | | |
| Target Compounds | | | | | | | Qvalue |
| 3) DICHLORODIFLOUROMETHANE | 1.033 | 85 | 5610 | 1.53 | UG/L | | 100 |
| 4) DIFLUOROCHLOROMETHANE | 1.036 | 51 | 11254 | 2.22 | UG/L | | 94 |
| 5) CHLOROMETHANE | 1.132 | 50 | 12018 | 1.08 | UG/L | | 98 |
| 6) VINYL CHLORIDE | 1.192 | 62 | 7281 | 1.75 | UG/L | | 95 |
| 7) BROMOMETHANE | 1.368 | 94 | 3409 | 6.01 | UG/L | | 95 |
| 8) CHLOROETHANE | 1.428 | 64 | 4295 | 1.88 | UG/L | | 97 |
| 9) FLUORODICHLOROMETHANE | 1.542 | 67 | 9142 | 1.60 | UG/L | | 91 |
| 10) TRICHLOROFLUOROMETHANE | 1.570 | 101 | 6855 | 1.45 | UG/L | | 86 |
| 11) ETHANOL | 0.000 | | 0 | N.D. | d | | |
| 12) DI ETHYL ETHER | 1.746 | 59 | 5225 | 2.17 | UG/L | # | 86 |
| 13) ACROLEIN | 1.840 | 56 | 15032 | 17.62 | UG/L | # | 96 |
| 14) ACETONE | 1.948 | 43 | 26002 | 20.55 | UG/L | | 100 |
| 15) 1,1-DICHLOROETHENE | 1.900 | 61 | 8776 | 1.84 | UG/L | | 94 |
| 16) 1,1,2-TRICL-1,2,2-TRIF... | 1.891 | 101 | 4001 | 1.75 | UG/L | | 97 |
| 17) IODOMETHANE | 2.008 | 142 | 60940 | 29.86 | UG/L | | 99 |
| 18) METHYL ACETATE | 2.173 | 43 | 8639 | 2.16 | UG/L | | 93 |
| 19) T-BUTYL ALCOHOL | 2.346 | 59 | 8389 | 18.88 | UG/L | | 98 |
| 20) ACRYLONITRILE | 2.462 | 53 | 3202 | 2.30 | UG/L | | 98 |
| 21) METHYLENE CHLORIDE | 2.249 | 49 | 10715 | 2.06 | UG/L | # | 84 |
| 22) CARBON DISULFIDE | 2.050 | 76 | 125390 | 16.59 | UG/L | | 100 |
| 23) METHYL TERT-BUTYL ETHE... | 2.465 | 73 | 13644 | 1.86 | UG/L | # | 77 |
| 24) TRANS 1,2-DICHLOROETHENE | 2.462 | 61 | 8553 | 1.89 | UG/L | | 96 |
| 25) 1,1-DICHLOROETHANE | 2.852 | 63 | 10359 | 1.86 | UG/L | | 99 |
| 26) VINYL ACETATE | 2.909 | 43 | 191390 | 20.55 | UG/L | # | 95 |
| 27) DI ISOPROPYL ETHER | 2.909 | 45 | 27707 | 2.28 | UG/L | # | 91 |
| 28) 2-BUTANONE | 3.483 | 43 | 38069 | 19.30 | UG/L | # | 91 |
| 29) T-BUTYL ETHYL ETHER | 3.289 | 59 | 21864 | 2.13 | UG/L | | 92 |
| 30) CIS-1,2-DICHLOROETHENE | 3.449 | 61 | 9910 | 1.85 | UG/L | | 93 |
| 31) 2,2-DICHLOROPROPANE | 3.434 | 77 | 7454 | 1.72 | UG/L | # | 84 |
| 32) ETHYL ACETATE | 3.551 | 43 | 10622m | 2.45 | UG/L | | |
| 33) BROMOCHLOROMETHANE | 3.682 | 128 | 2256 | 1.94 | UG/L | # | 77 |
| 34) TETRAHYDROFURAN | 3.738 | 42 | 3297 | 2.66 | UG/L | # | 54 |
| 35) T-BUTYL FORMATE | 0.000 | | 0 | N.D. | | | |
| 36) CHLOROFORM | 3.778 | 83 | 8625 | 1.72 | UG/L | | 98 |
| 37) 1,1,1-TRICHLOROETHANE | 3.940 | 97 | 7520 | 1.67 | UG/L | | 98 |
| 38) CYCLOHEXANE | 3.980 | 56 | 18835 | 2.77 | UG/L | # | 84 |
| 39) CARBON TETRACHLORIDE | 4.099 | 117 | 6735 | 1.66 | UG/L | | 99 |
| 40) 1,1-DICHLOROPROPENE | 4.108 | 75 | 6474 | 1.66 | UG/L | | 98 |
| 41) BENZENE | 4.318 | 78 | 18091 | 1.67 | UG/L | | 98 |
| 42) T-AMYL ALCOHOL | 0.000 | | 0 | N.D. | d | | |
| 43) T-AMYLMETHYL ETHER | 4.440 | 73 | 14242 | 1.90 | UG/L | # | 89 |
| 46) 1,2-DICHLOROETHANE | 4.352 | 62 | 8220 | 1.88 | UG/L | | 93 |
| 47) TRICHLOROETHENE | 4.966 | 95 | 4791 | 1.81 | UG/L | | 95 |

Data Path : \\Voa2\MSDChem\1\DATA\B092322\
Data File : B22V26610.D
Acq On : 23 Sep 2022 12:12 pm
Operator :
Sample : 8260 STD 2.0 PPB 2209385 Inst : GCMSVOA2
Misc :
ALS Vial : 10 Sample Multiplier: 1



Quant Time: Sep 26 07:41:44 2022
Quant Method : Y:\1\METHODS\B060920W-RT-UPDATE.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Sep 21 11:30:47 2022
Response via : Initial Calibration

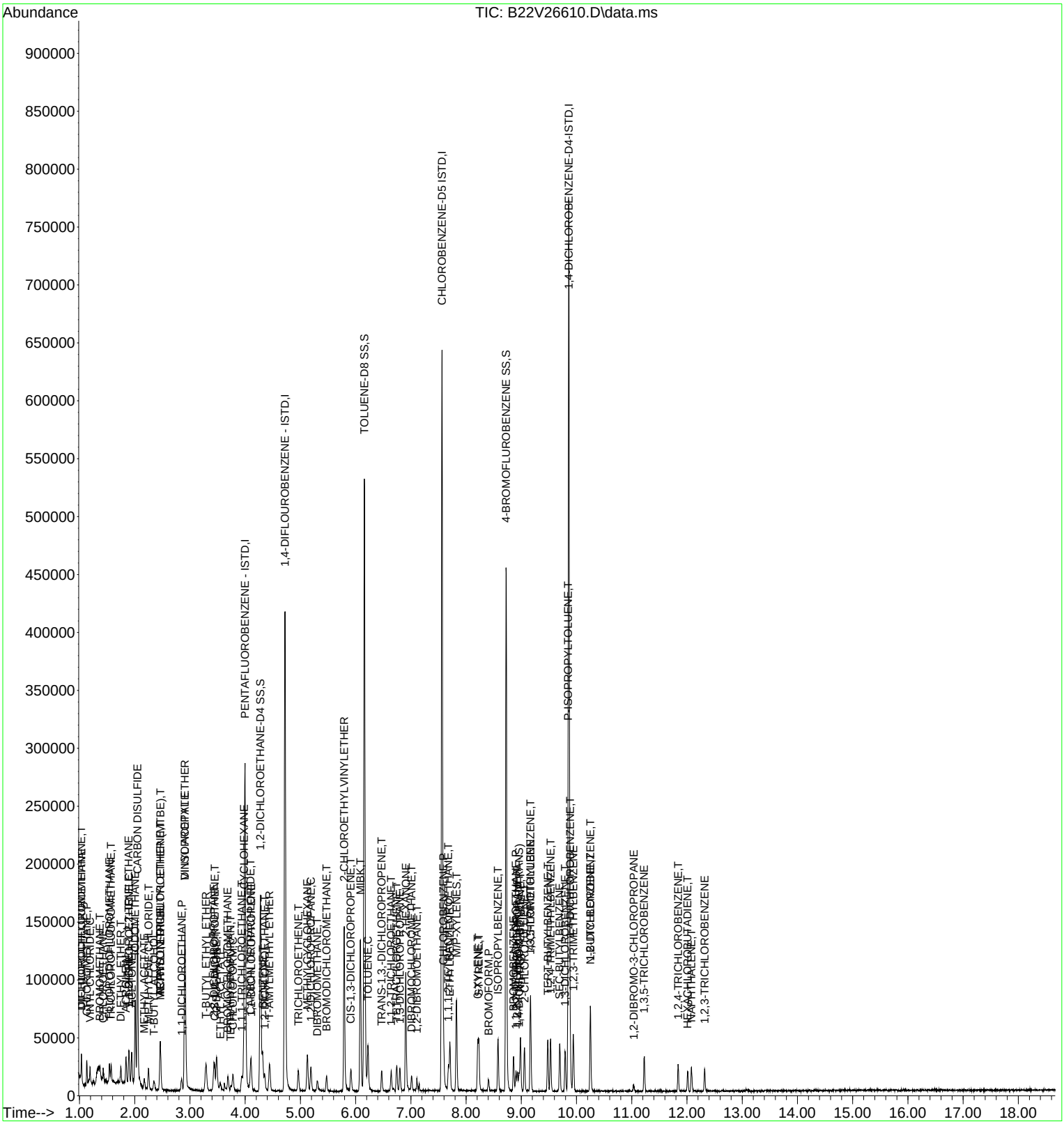
| Compound | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 48) METHYLCYCLOHEXANE | 5.125 | 83 | 8222 | 1.75 UG/L # | 73 |
| 49) 1,2-DICHLOROPROPANE | 5.191 | 63 | 5977 | 2.02 UG/L | 92 |
| 50) DIBROMOMETHANE | 5.304 | 93 | 2932 | 1.85 UG/L | 97 |
| 51) 1,4-DIOXANE | 0.000 | | 0 | N.D. | |
| 52) BROMODICHLOROMETHANE | 5.475 | 83 | 7049 | 2.01 UG/L | 96 |
| 53) 2-CHLOROETHYLVINYLETHER | 5.793 | 63 | 46791 | 66.53 UG/L | 88 |
| 54) MIBK | 6.086 | 43 | 86721 | 21.41 UG/L # | 96 |
| 55) CIS-1,3-DICHLOROPROPENE | 5.913 | 75 | 7691 | 1.80 UG/L # | 80 |
| 56) TOLUENE | 6.222 | 91 | 20254 | 1.74 UG/L | 99 |
| 57) TRANS-1,3,-DICHLOROPRO... | 6.470 | 75 | 6430 | 1.71 UG/L # | 75 |
| 58) ETHYL METHACRYLATE | 0.000 | | 0 | N.D. d | |
| 59) 1,1,2-TRICHLOROETHANE | 6.643 | 97 | 4005 | 1.80 UG/L | 98 |
| 60) 2-HEXANONE | 6.910 | 43 | 64661 | 21.30 UG/L # | 96 |
| 61) TETRACHLOROETHENE | 6.740 | 164 | 4460 | 1.94 UG/L | 96 |
| 62) 1,3-DICHLOROPROPANE | 6.802 | 76 | 7094 | 1.75 UG/L # | 65 |
| 63) DIBROMOCHLOROMETHANE | 7.010 | 129 | 5310 | 1.97 UG/L | 99 |
| 64) 1,2-DIBROMOETHANE | 7.109 | 107 | 4348 | 1.76 UG/L # | 99 |
| 67) CHLOROBENZENE | 7.589 | 112 | 13016 | 1.77 UG/L # | 80 |
| 68) 1,1,1,2-TETRACHLOROETHANE | 7.677 | 131 | 5357 | 2.18 UG/L | 97 |
| 69) ETHYLBENZENE | 7.706 | 91 | 22629 | 1.76 UG/L | 99 |
| 70) M/P-XYLENES | 7.828 | 91 | 36693 | 3.64 UG/L | 97 |
| 71) 0-XYLENE | 8.209 | 91 | 18493 | 1.79 UG/L | 95 |
| 72) STYRENE | 8.232 | 104 | 15394 | 1.94 UG/L | 92 |
| 73) BROMOFORM | 8.408 | 173 | 4022 | 2.21 UG/L # | 99 |
| 74) ISOPROPYLBENZENE | 8.578 | 105 | 24635 | 1.89 UG/L | 99 |
| 75) CIS-1,4-DICHLORO-2-BUTENE | 0.000 | | 0 | N.D. d | |
| 76) 1,1,2,2-TETRACHLOROETHANE | 8.899 | 83 | 6398 | 1.88 UG/L | 99 |
| 77) 1,4-DICHLORO-2-BUTENE(... | 8.959 | 53 | 3567 | 2.88 UG/L | 93 |
| 78) BROMOBENZENE | 8.860 | 77 | 9568 | 2.03 UG/L | 99 |
| 79) 1,2,3-TRICHLOROPROPANE | 8.925 | 110 | 1881 | 2.01 UG/L # | 56 |
| 80) N-PROPYLBENZENE | 8.985 | 91 | 29436 | 1.82 UG/L | 97 |
| 81) 2-CHLOROT0LUENE | 9.059 | 91 | 17365 | 1.87 UG/L | 98 |
| 82) 1,3,5-TRIMETHYLBENZENE | 9.164 | 105 | 20777 | 1.88 UG/L | 96 |
| 83) 4-CHLOROTOLUENE | 9.167 | 91 | 19962 | 1.85 UG/L | 97 |
| 85) TERT-BUTYLBENZENE | 9.479 | 119 | 17259 | 1.66 UG/L | 96 |
| 86) 1,2,4-TRIMETHYLBENZENE | 9.530 | 105 | 19916 | 1.65 UG/L | 94 |
| 87) SEC-BUTYLBENZENE | 9.692 | 105 | 24342 | 1.57 UG/L | 99 |
| 88) 1,3-DICHLOROBENZENE | 9.792 | 146 | 12339 | 1.81 UG/L | 94 |
| 89) P-ISOPROPYLTOLUENE | 9.846 | 119 | 21756 | 1.67 UG/L | 99 |
| 90) 1,4-DICHLOROBENZENE | 9.883 | 146 | 11905 | 1.68 UG/L # | 80 |
| 91) 1,2,3-TRIMETHYLBENZENE | 9.942 | 105 | 22742 | 1.93 UG/L # | 100 |
| 92) N-BUTYLBENZENE | 10.252 | 91 | 18994 | 1.51 UG/L | 97 |
| 93) 1,2-DICHLOROBENZENE | 10.249 | 146 | 11050 | 1.70 UG/L | 97 |
| 94) 1,2-DIBROMO-3-CHLOROPR... | 11.037 | 75 | 1243 | 1.70 UG/L | 93 |
| 95) 1,3,5-TRICHLOROBENZENE | 11.224 | 180 | 8327 | 1.68 UG/L | 98 |
| 96) 1,2,4-TRICHLOROBENZENE | 11.838 | 180 | 6419 | 1.48 UG/L | 98 |
| 97) HEXACHLOROBUTADIENE | 12.009 | 225 | 3163 | 1.41 UG/L | 98 |
| 98) NAPHTHALENE | 12.080 | 128 | 14197 | 1.28 UG/L | 98 |
| 99) 1,2,3-TRICHLOROBENZENE | 12.318 | 180 | 5092 | 1.25 UG/L | 98 |

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

Data Path : \\Voa2\MSDChem\1\DATA\B092322\
Data File : B22V26610.D
Acq On : 23 Sep 2022 12:12 pm
Operator :
Sample : 8260 STD 2.0 PPB 2209385 Inst : GCMSVOA2
Misc :
ALS Vial : 10 Sample Multiplier: 1



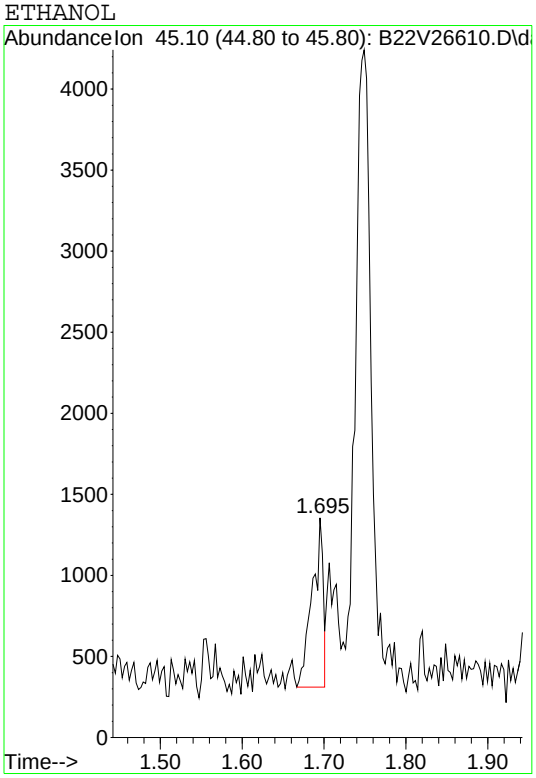
Quant Time: Sep 26 07:41:44 2022
Quant Method : Y:\1\METHODS\B060920W-RT-UPDATE.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Sep 21 11:30:47 2022
Response via : Initial Calibration



Data Path : \\Voa2\MSDChem\1\DATA\B092322\
Data File : B22V26610.D
Acq On : 23 Sep 2022 12:12 pm
Operator :
Sample : 8260 STD 2.0 PPB 2209385
Misc :

Quant Time : Mon Sep 26 07:41:44 2022
Quant Method : Y:\1\METHODS\B060920W-RT-UPDATE.M
QLast Update : Wed Sep 21 11:30:47 2022

Original Integration
ETHANOL




Original Int. Results
---

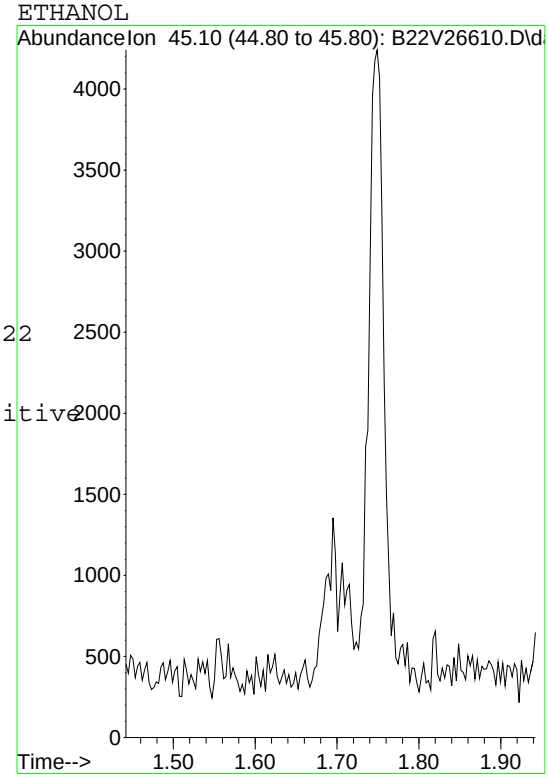
RT : 1.70
Area : 975
Amount: 16.8651

Manual Int. Results
---

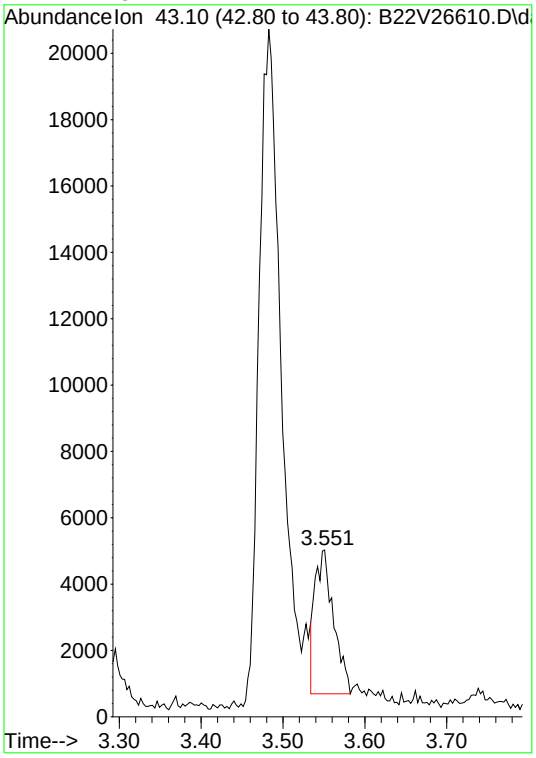
Mon Sep 26 07:40:22 2022

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

Manual Integration
ETHANOL




Original Integration
ETHYL ACETATE




Original Int. Results
---

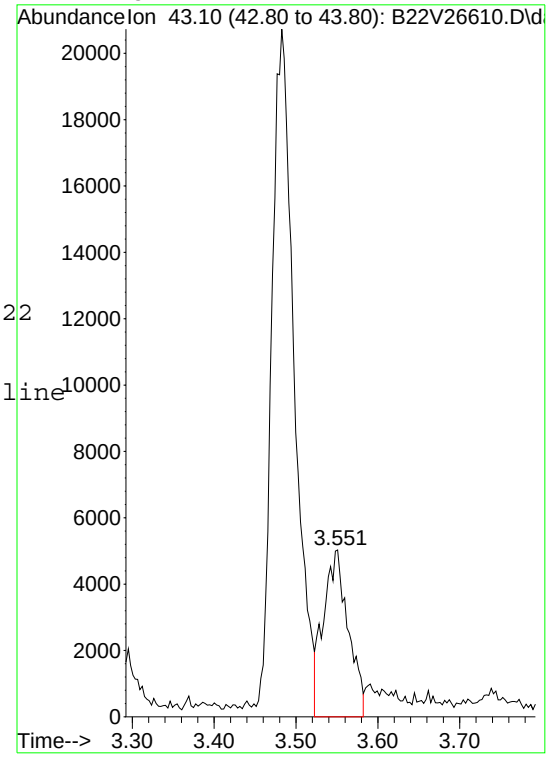
RT : 3.55
Area : 6838
Amount: 1.57951

Manual Int. Results
---

Mon Sep 26 07:40:46 2022

MIuser: LBD
Reason: Incorrect Baseline
RT : 3.55
Area : 10622
Amount: 2.45358

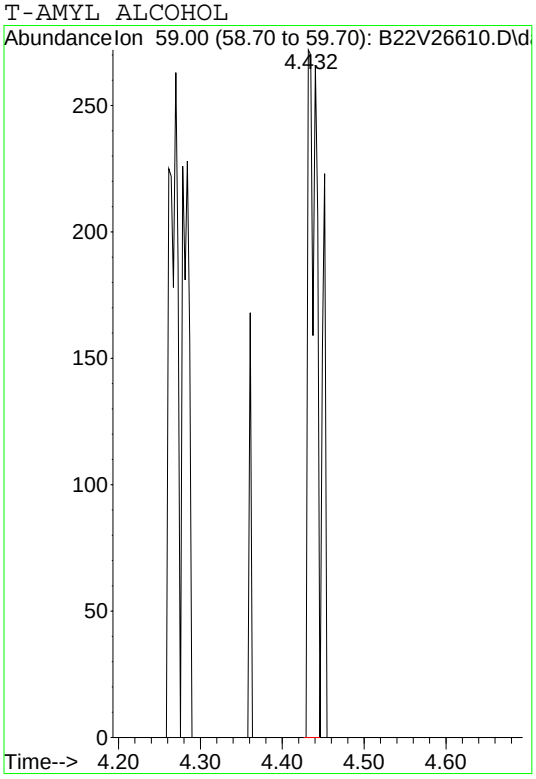
Manual Integration
ETHYL ACETATE



Data Path : \\Voa2\MSDChem\1\DATA\B092322\
Data File : B22V26610.D
Acq On : 23 Sep 2022 12:12 pm
Operator :
Sample : 8260 STD 2.0 PPB 2209385
Misc :

Quant Time : Mon Sep 26 07:41:44 2022
Quant Method : Y:\1\METHODS\B060920W-RT-UPDATE.M
QLast Update : Wed Sep 21 11:30:47 2022

Original Integration
T-AMYL ALCOHOL




Original Int. Results
---

RT : 4.43
Area : 200
Amount: 0.609196

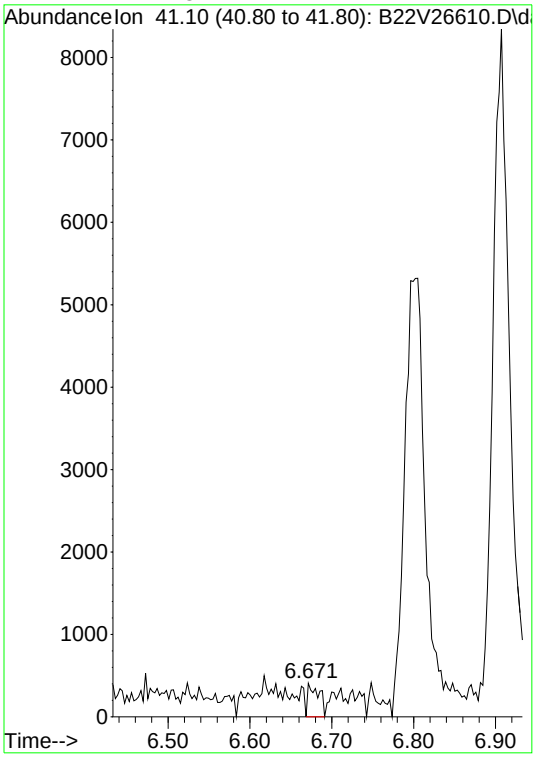
Manual Int. Results
---

Mon Sep 26 07:41:04 2022

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

Manual Integration
T-AMYL ALCOHOL


Original Integration
ETHYL METHACRYLATE




Original Int. Results
---

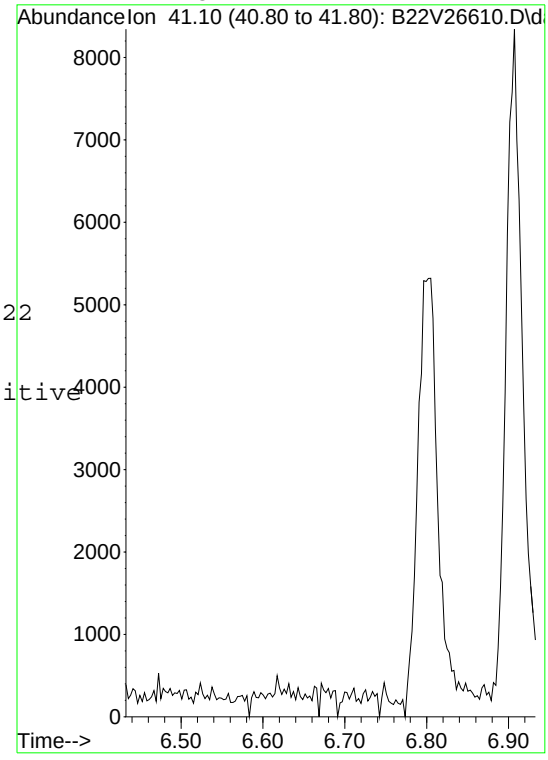
RT : 6.67
Area : 380
Amount: 0

Manual Int. Results
---

Mon Sep 26 07:41:19 2022

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

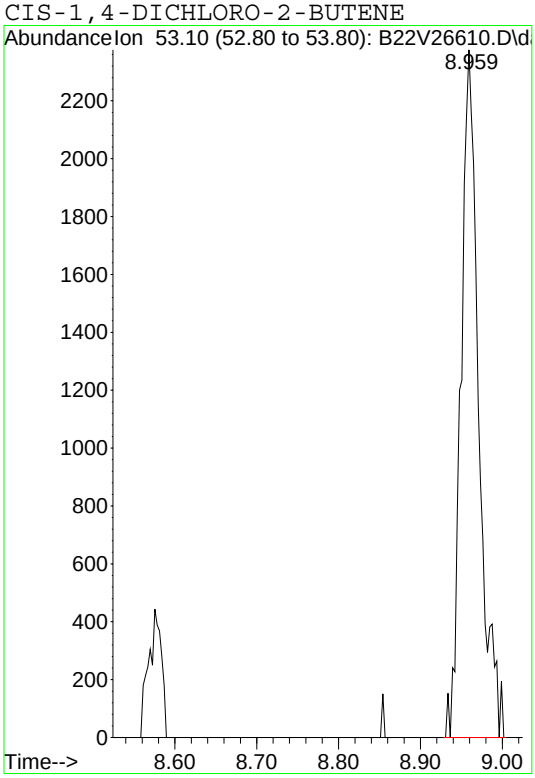
Manual Integration
ETHYL METHACRYLATE



Data Path : \\Voa2\MSDChem\1\DATA\B092322\
Data File : B22V26610.D
Acq On : 23 Sep 2022 12:12 pm
Operator :
Sample : 8260 STD 2.0 PPB 2209385
Misc :

Quant Time : Mon Sep 26 07:41:44 2022
Quant Method : Y:\1\METHODS\B060920W-RT-UPDATE.M
QLast Update : Wed Sep 21 11:30:47 2022

Original Integration
CIS-1,4-DICHLORO-2-BUTENE




Original Int. Results
---

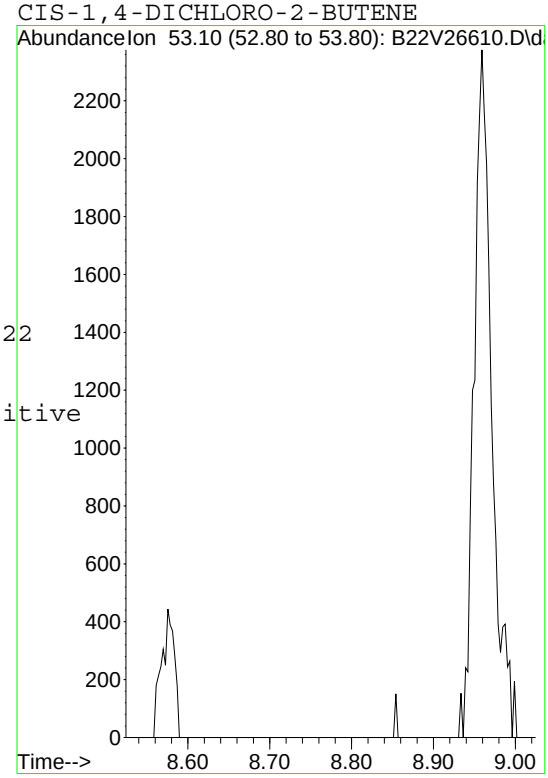
RT : 8.96
Area : 3567
Amount: 0

Manual Int. Results
---

Mon Sep 26 07:41:41 2022

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

Manual Integration
CIS-1,4-DICHLORO-2-BUTENE



Data Path : \\Voa2\MSDChem\1\DATA\B092322\
Data File : B22V26611.D
Acq On : 23 Sep 2022 12:38 pm
Operator :
Sample : 8260 STD 5.0 PPB 2209385 Inst : GCMSVOA2
Misc :
ALS Vial : 11 Sample Multiplier: 1



Quant Time: Sep 26 07:46:27 2022
Quant Method : Y:\1\METHODS\B060920W-RT-UPDATE.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Sep 21 11:30:47 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) PENTAFLUOROBENZENE - ISTD | 3.997 | 168 | 174690 | 30.00 | UG/L | | 0.00 |
| 44) 1,4-DIFLOUROBENZENE - ... | 4.719 | 114 | 268927 | 30.00 | UG/L | | 0.00 |
| 65) CHLOROBENZENE-D5 ISTD | 7.564 | 82 | 143119 | 30.00 | UG/L | | 0.00 |
| 84) 1,4-DICHLOROBENZENE-D4... | 9.860 | 152 | 157568 | 30.00 | UG/L | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 2) 1,2-DICHLOROETHANE-D4 SS | 4.275 | 65 | 103469 | 22.99 | UG/L | | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 91.96% | | | | |
| 45) TOLUENE-D8 SS | 6.157 | 98 | 278206 | 24.75 | UG/L | | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 99.00% | | | | |
| 66) 4-BROMOFLUROBENZENE SS | 8.726 | 95 | 114445 | 25.76 | UG/L | | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 103.04% | | | | |
| Target Compounds | | | | | | | Qvalue |
| 3) DICHLORODIFLOUROMETHANE | 1.030 | 85 | 15330 | 4.27 | UG/L | | 99 |
| 4) DIFLUOROCHLOROMETHANE | 1.036 | 51 | 28694 | 5.78 | UG/L | | 95 |
| 5) CHLOROMETHANE | 1.132 | 50 | 31083 | 2.85 | UG/L | | 98 |
| 6) VINYL CHLORIDE | 1.189 | 62 | 20266 | 4.97 | UG/L | | 98 |
| 7) BROMOMETHANE | 1.368 | 94 | 7612m | 9.69 | UG/L | | |
| 8) CHLOROETHANE | 1.428 | 64 | 11586 | 5.18 | UG/L | | 95 |
| 9) FLUORODICHLOROMETHANE | 1.542 | 67 | 25581 | 4.57 | UG/L | | 96 |
| 10) TRICHLOROFLUOROMETHANE | 1.573 | 101 | 19489 | 4.21 | UG/L | | 91 |
| 11) ETHANOL | 1.698 | 45 | 3596 | 63.52 | UG/L | # | 88 |
| 12) DI ETHYL ETHER | 1.746 | 59 | 13106 | 5.56 | UG/L | # | 82 |
| 13) ACROLEIN | 1.843 | 56 | 37407 | 44.78 | UG/L | # | 95 |
| 14) ACETONE | 1.945 | 43 | 73533 | 59.36 | UG/L | | 98 |
| 15) 1,1-DICHLOROETHENE | 1.897 | 61 | 24663 | 5.29 | UG/L | | 93 |
| 16) 1,1,2-TRICL-1,2,2-TRIF... | 1.891 | 101 | 11427 | 5.09 | UG/L | | 97 |
| 17) IODOMETHANE | 2.008 | 142 | 174222 | 75.35 | UG/L | | 97 |
| 18) METHYL ACETATE | 2.172 | 43 | 24727 | 6.30 | UG/L | # | 91 |
| 19) T-BUTYL ALCOHOL | 2.351 | 59 | 23055 | 52.99 | UG/L | # | 95 |
| 20) ACRYLONITRILE | 2.459 | 53 | 9138 | 6.69 | UG/L | | 98 |
| 21) METHYLENE CHLORIDE | 2.246 | 49 | 28398 | 5.59 | UG/L | | 88 |
| 22) CARBON DISULFIDE | 2.050 | 76 | 354738 | 47.93 | UG/L | | 100 |
| 23) METHYL TERT-BUTYL ETHE... | 2.459 | 73 | 37010 | 5.15 | UG/L | # | 88 |
| 24) TRANS 1,2-DICHLOROETHENE | 2.459 | 61 | 23269 | 5.26 | UG/L | | 95 |
| 25) 1,1-DICHLOROETHANE | 2.849 | 63 | 28090 | 5.15 | UG/L | | 98 |
| 26) VINYL ACETATE | 2.906 | 43 | 518422 | 56.84 | UG/L | # | 96 |
| 27) DI ISOPROPYL ETHER | 2.911 | 45 | 74712 | 6.27 | UG/L | | 92 |
| 28) 2-BUTANONE | 3.483 | 43 | 109902 | 56.90 | UG/L | # | 92 |
| 29) T-BUTYL ETHYL ETHER | 3.289 | 59 | 58553 | 5.82 | UG/L | | 95 |
| 30) CIS-1,2-DICHLOROETHENE | 3.443 | 61 | 26567 | 5.07 | UG/L | | 95 |
| 31) 2,2-DICHLOROPROPANE | 3.429 | 77 | 19994 | 4.72 | UG/L | | 98 |
| 32) ETHYL ACETATE | 3.548 | 43 | 28382m | 6.69 | UG/L | | |
| 33) BROMOCHLOROMETHANE | 3.687 | 128 | 6242 | 5.47 | UG/L | # | 78 |
| 34) TETRAHYDROFURAN | 3.741 | 42 | 8366 | 6.89 | UG/L | # | 85 |
| 35) T-BUTYL FORMATE | 0.000 | | 0 | N.D. | d | | |
| 36) CHLOROFORM | 3.775 | 83 | 22560 | 4.59 | UG/L | | 98 |
| 37) 1,1,1-TRICHLOROETHANE | 3.937 | 97 | 21262 | 4.82 | UG/L | | 95 |
| 38) CYCLOHEXANE | 3.974 | 56 | 42444 | 6.38 | UG/L | | 92 |
| 39) CARBON TETRACHLORIDE | 4.094 | 117 | 19571 | 4.93 | UG/L | | 98 |
| 40) 1,1-DICHLOROPROPENE | 4.111 | 75 | 17594 | 4.61 | UG/L | | 99 |
| 41) BENZENE | 4.312 | 78 | 47200 | 4.46 | UG/L | | 99 |
| 42) T-AMYL ALCOHOL | 0.000 | | 0 | N.D. | d | | |
| 43) T-AMYLMETHYL ETHER | 4.440 | 73 | 38251 | 5.22 | UG/L | | 94 |
| 46) 1,2-DICHLOROETHANE | 4.352 | 62 | 22862 | 5.30 | UG/L | | 92 |
| 47) TRICHLOROETHENE | 4.963 | 95 | 13634 | 5.22 | UG/L | | 97 |

Data Path : \\Voa2\MSDChem\1\DATA\B092322\
Data File : B22V26611.D
Acq On : 23 Sep 2022 12:38 pm
Operator :
Sample : 8260 STD 5.0 PPB 2209385 Inst : GCMSVOA2
Misc :
ALS Vial : 11 Sample Multiplier: 1



Quant Time: Sep 26 07:46:27 2022
Quant Method : Y:\1\METHODS\B060920W-RT-UPDATE.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Sep 21 11:30:47 2022
Response via : Initial Calibration

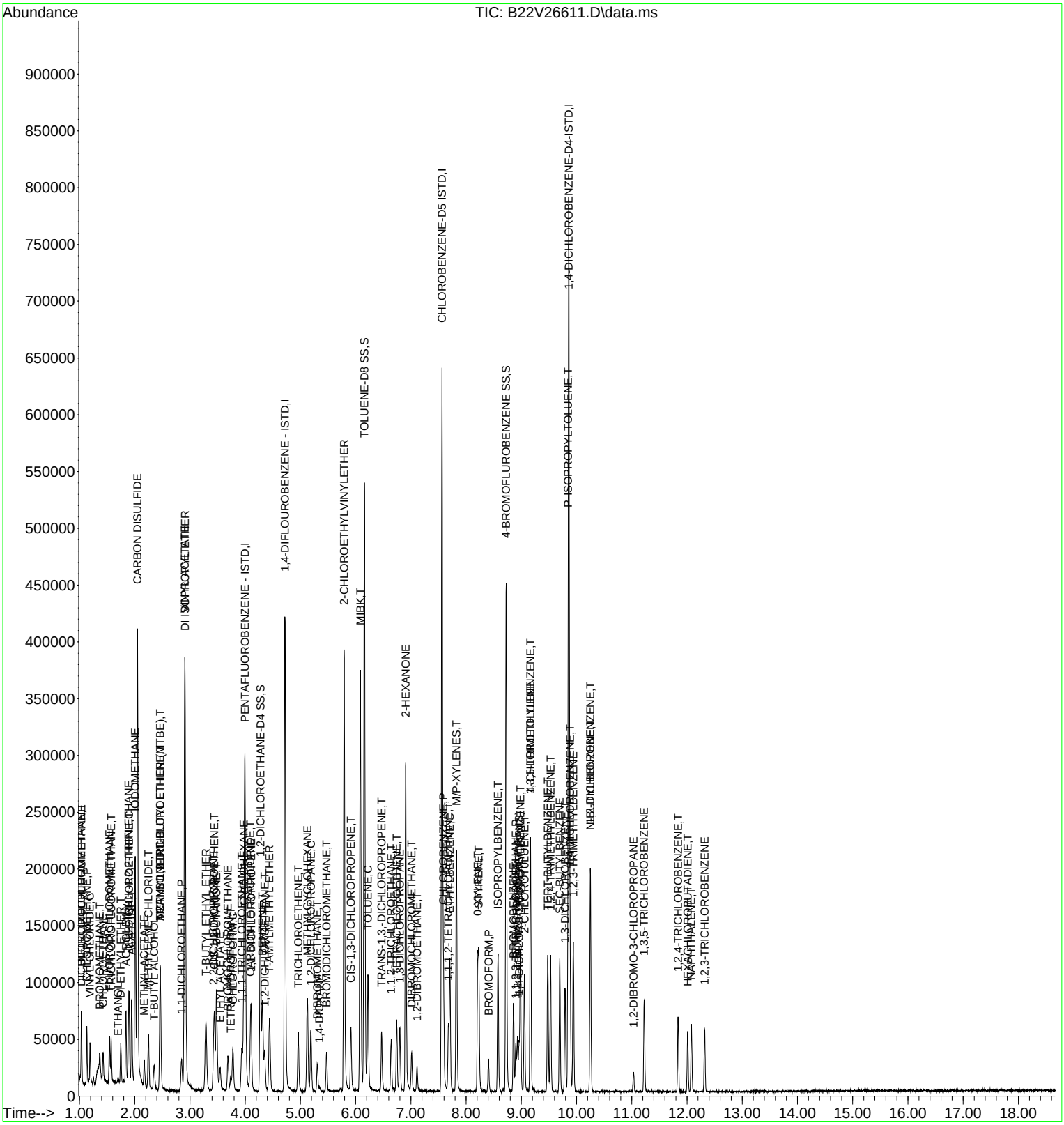
| Compound | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 48) METHYLCYCLOHEXANE | 5.128 | 83 | 22995 | 4.98 UG/L # | 79 |
| 49) 1,2-DICHLOROPROPANE | 5.191 | 63 | 16776 | 5.76 UG/L | 93 |
| 50) DIBROMOMETHANE | 5.304 | 93 | 7726 | 4.94 UG/L | 95 |
| 51) 1,4-DIOXANE | 5.341 | 88 | 1791 | 61.99 UG/L # | 59 |
| 52) BROMODICHLOROMETHANE | 5.472 | 83 | 17667 | 5.12 UG/L | 98 |
| 53) 2-CHLOROETHYLVINYLETHER | 5.790 | 63 | 131118 | 189.40 UG/L | 89 |
| 54) MIBK | 6.086 | 43 | 246988 | 61.94 UG/L # | 95 |
| 55) CIS-1,3-DICHLOROPROPENE | 5.915 | 75 | 20493 | 4.87 UG/L # | 84 |
| 56) TOLUENE | 6.222 | 91 | 53533 | 4.69 UG/L | 100 |
| 57) TRANS-1,3,-DICHLOROPRO... | 6.469 | 75 | 18294 | 4.95 UG/L # | 83 |
| 58) ETHYL METHACRYLATE | 0.000 | | 0 | N.D. d | |
| 59) 1,1,2-TRICHLOROETHANE | 6.643 | 97 | 11334 | 5.17 UG/L | 97 |
| 60) 2-HEXANONE | 6.907 | 43 | 187036 | 62.61 UG/L # | 95 |
| 61) TETRACHLOROETHENE | 6.742 | 164 | 11981 | 5.29 UG/L | 97 |
| 62) 1,3-DICHLOROPROPANE | 6.802 | 76 | 20182 | 5.05 UG/L # | 82 |
| 63) DIBROMOCHLOROMETHANE | 7.015 | 129 | 14490 | 5.46 UG/L | 100 |
| 64) 1,2-DIBROMOETHANE | 7.112 | 107 | 12349 | 5.07 UG/L # | 97 |
| 67) CHLOROBENZENE | 7.589 | 112 | 37383 | 5.13 UG/L | 96 |
| 68) 1,1,1,2-TETRACHLOROETHANE | 7.677 | 131 | 14196 | 5.83 UG/L | 97 |
| 69) ETHYLBENZENE | 7.706 | 91 | 61916 | 4.86 UG/L | 100 |
| 70) M/P-XYLENES | 7.825 | 91 | 97704 | 9.79 UG/L | 97 |
| 71) 0-XYLENE | 8.209 | 91 | 50629 | 4.94 UG/L | 95 |
| 72) STYRENE | 8.229 | 104 | 41101 | 5.24 UG/L # | 92 |
| 73) BROMOFORM | 8.408 | 173 | 11291 | 6.26 UG/L # | 99 |
| 74) ISOPROPYLBENZENE | 8.578 | 105 | 65777 | 5.10 UG/L | 98 |
| 75) CIS-1,4-DICHLORO-2-BUTENE | 0.000 | | 0 | N.D. d | |
| 76) 1,1,2,2-TETRACHLOROETHANE | 8.902 | 83 | 16986 | 5.05 UG/L | 99 |
| 77) 1,4-DICHLORO-2-BUTENE(... | 8.959 | 53 | 9923 | 8.09 UG/L | 98 |
| 78) BROMOBENZENE | 8.860 | 77 | 25283 | 5.42 UG/L | 98 |
| 79) 1,2,3-TRICHLOROPROPANE | 8.933 | 110 | 5311 | 5.75 UG/L | 91 |
| 80) N-PROPYLBENZENE | 8.985 | 91 | 79018 | 4.93 UG/L | 95 |
| 81) 2-CHLOROT0LUENE | 9.059 | 91 | 45878 | 5.00 UG/L | 97 |
| 82) 1,3,5-TRIMETHYLBENZENE | 9.164 | 105 | 56478 | 5.16 UG/L | 97 |
| 83) 4-CHLOROTOLUENE | 9.166 | 91 | 52600 | 4.92 UG/L | 96 |
| 85) TERT-BUTYLBENZENE | 9.479 | 119 | 46758 | 4.63 UG/L | 97 |
| 86) 1,2,4-TRIMETHYLBENZENE | 9.530 | 105 | 54876 | 4.68 UG/L | 96 |
| 87) SEC-BUTYLBENZENE | 9.695 | 105 | 68195 | 4.51 UG/L | 99 |
| 88) 1,3-DICHLOROBENZENE | 9.792 | 146 | 31997 | 4.82 UG/L | 98 |
| 89) P-ISOPROPYLTOLUENE | 9.849 | 119 | 58126 | 4.58 UG/L | 98 |
| 90) 1,4-DICHLOROBENZENE | 9.883 | 146 | 33391 | 4.84 UG/L | 98 |
| 91) 1,2,3-TRIMETHYLBENZENE | 9.942 | 105 | 60780 | 5.30 UG/L # | 100 |
| 92) N-BUTYLBENZENE | 10.252 | 91 | 52941 | 4.32 UG/L | 98 |
| 93) 1,2-DICHLOROBENZENE | 10.249 | 146 | 28850 | 4.55 UG/L | 99 |
| 94) 1,2-DIBROMO-3-CHLOROPR... | 11.031 | 75 | 3194 | 4.48 UG/L | 93 |
| 95) 1,3,5-TRICHLOROBENZENE | 11.224 | 180 | 23086 | 4.78 UG/L | 92 |
| 96) 1,2,4-TRICHLOROBENZENE | 11.838 | 180 | 17520 | 4.14 UG/L | 99 |
| 97) HEXACHLOROBUTADIENE | 12.014 | 225 | 9009 | 4.13 UG/L | 97 |
| 98) NAPHTHALENE | 12.077 | 128 | 40152 | 3.73 UG/L | 98 |
| 99) 1,2,3-TRICHLOROBENZENE | 12.321 | 180 | 14636 | 3.69 UG/L | 95 |

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

Data Path : \\Voa2\MSDChem\1\DATA\B092322\
Data File : B22V26611.D
Acq On : 23 Sep 2022 12:38 pm
Operator :
Sample : 8260 STD 5.0 PPB 2209385 Inst : GCMSVOA2
Misc :
ALS Vial : 11 Sample Multiplier: 1



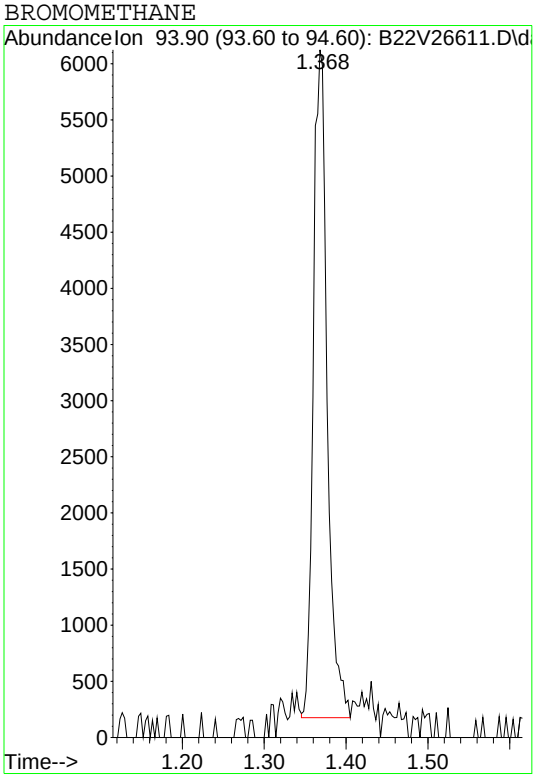
Quant Time: Sep 26 07:46:27 2022
Quant Method : Y:\1\METHODS\B060920W-RT-UPDATE.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Sep 21 11:30:47 2022
Response via : Initial Calibration



Data Path : \\Voa2\MSDChem\1\DATA\B092322\
Data File : B22V26611.D
Acq On : 23 Sep 2022 12:38 pm
Operator :
Sample : 8260 STD 5.0 PPB 2209385
Misc :

Quant Time : Mon Sep 26 07:46:27 2022
Quant Method : Y:\1\METHODS\B060920W-RT-UPDATE.M
QLast Update : Wed Sep 21 11:30:47 2022

Original Integration
BROMOMETHANE




Original Int. Results
---

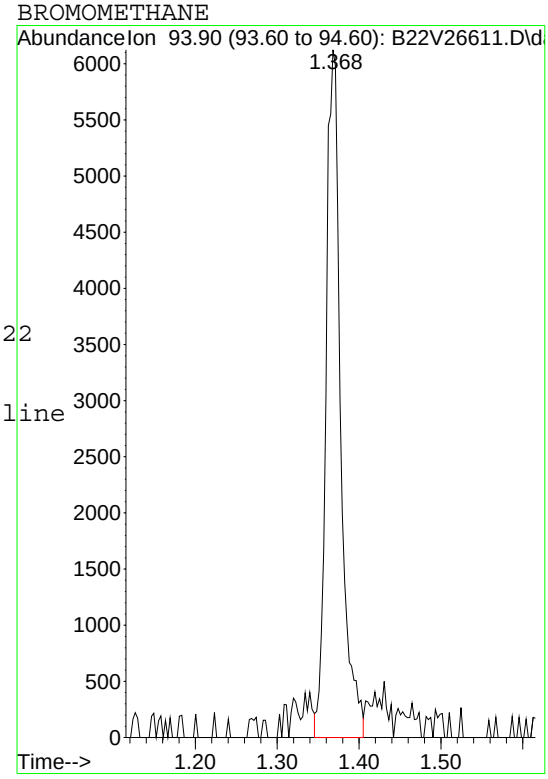
RT : 1.37
Area : 6978
Amount: 9.13989

Manual Int. Results
---

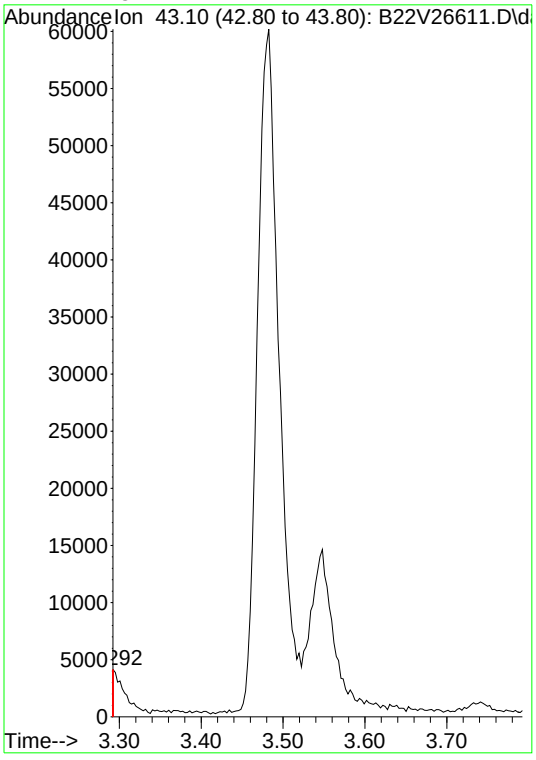
Mon Sep 26 07:46:27 2022

MIuser: LBD
Reason: Incorrect Baseline
RT : 1.37
Area : 7612
Amount: 9.68562

Manual Integration
BROMOMETHANE




Original Integration
ETHYL ACETATE




Original Int. Results
---

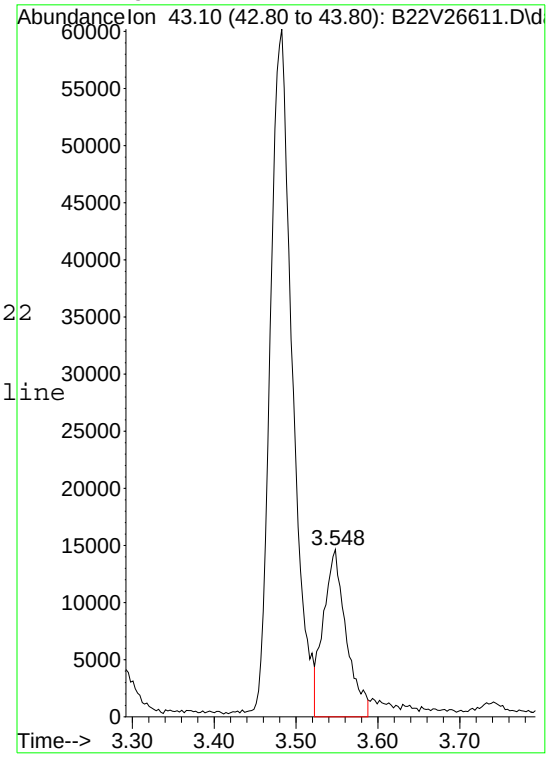
RT : 0.00
Area : 0
Amount: 0

Manual Int. Results
---

Mon Sep 26 07:44:47 2022

MIuser: LBD
Reason: Incorrect Baseline
RT : 3.55
Area : 28382
Amount: 6.69486

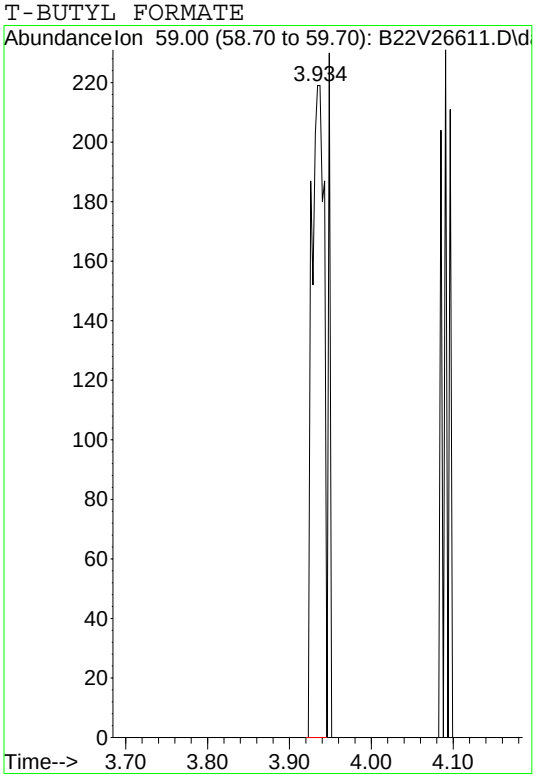
Manual Integration
ETHYL ACETATE



Data Path : \\Voa2\MSDChem\1\DATA\B092322\
Data File : B22V26611.D
Acq On : 23 Sep 2022 12:38 pm
Operator :
Sample : 8260 STD 5.0 PPB 2209385
Misc :

Quant Time : Mon Sep 26 07:46:27 2022
Quant Method : Y:\1\METHODS\B060920W-RT-UPDATE.M
QLast Update : Wed Sep 21 11:30:47 2022

Original Integration
T-BUTYL FORMATE




Original Int. Results
---

RT : 3.93
Area : 230
Amount: 0.0740298

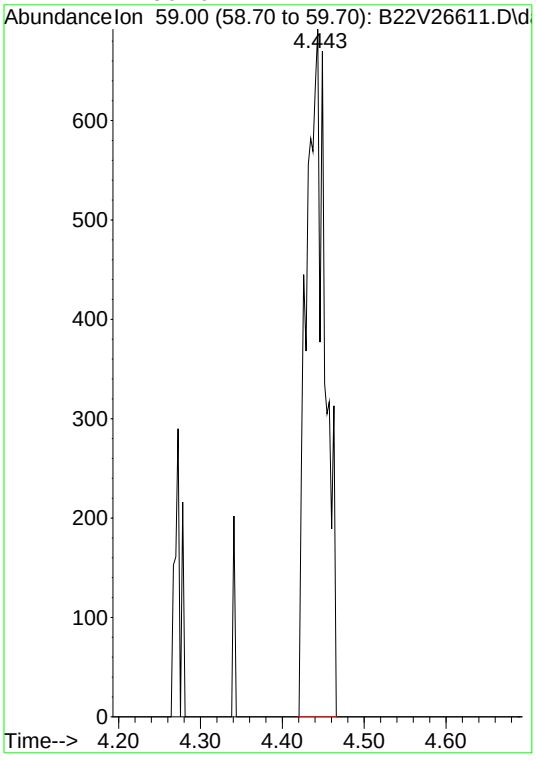
Manual Int. Results
---

Mon Sep 26 07:44:55 2022

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

Manual Integration
T-BUTYL FORMATE


Original Integration
T-AMYL ALCOHOL




Original Int. Results
---

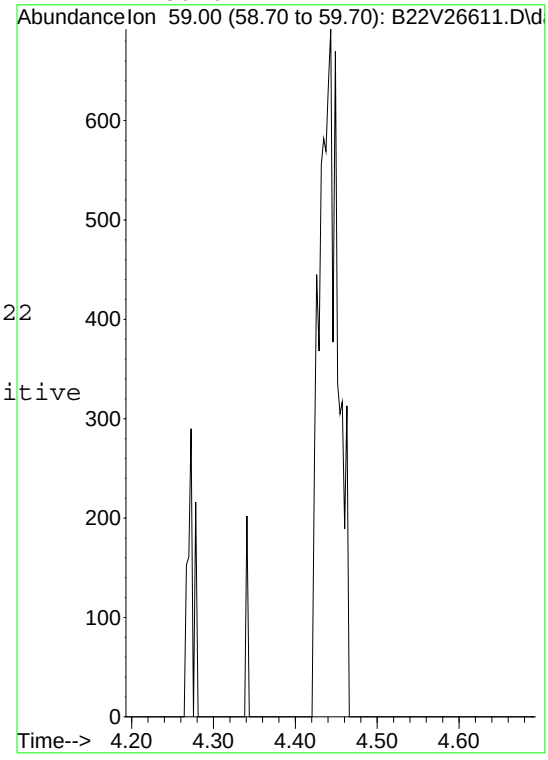
RT : 4.44
Area : 1127
Amount: 3.50555

Manual Int. Results
---

Mon Sep 26 07:45:15 2022

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

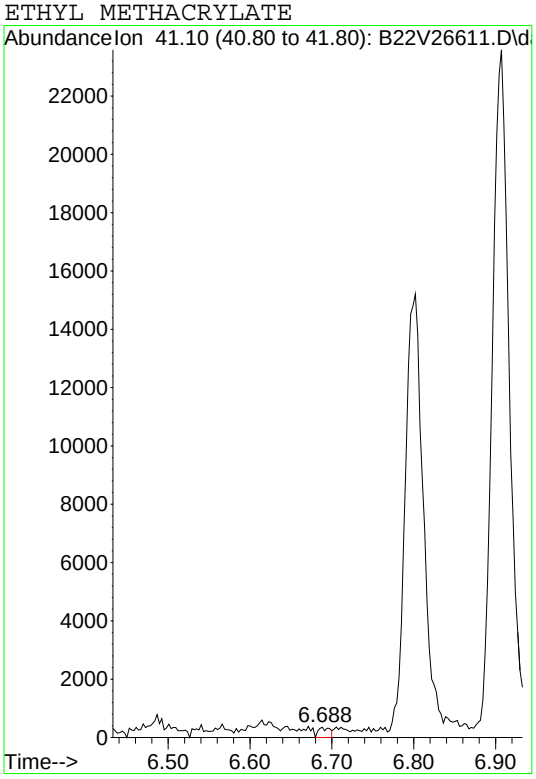
Manual Integration
T-AMYL ALCOHOL



Data Path : \\Voa2\MSDChem\1\DATA\B092322\
Data File : B22V26611.D
Acq On : 23 Sep 2022 12:38 pm
Operator :
Sample : 8260 STD 5.0 PPB 2209385
Misc :

Quant Time : Mon Sep 26 07:46:27 2022
Quant Method : Y:\1\METHODS\B060920W-RT-UPDATE.M
QLast Update : Wed Sep 21 11:30:47 2022

Original Integration
ETHYL METHACRYLATE




Original Int. Results
---

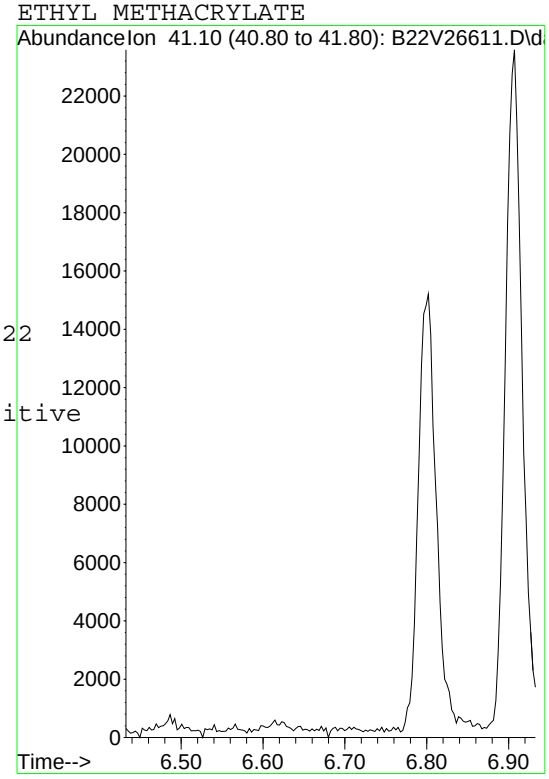
RT : 6.69
Area : 338
Amount: 0

Manual Int. Results
---

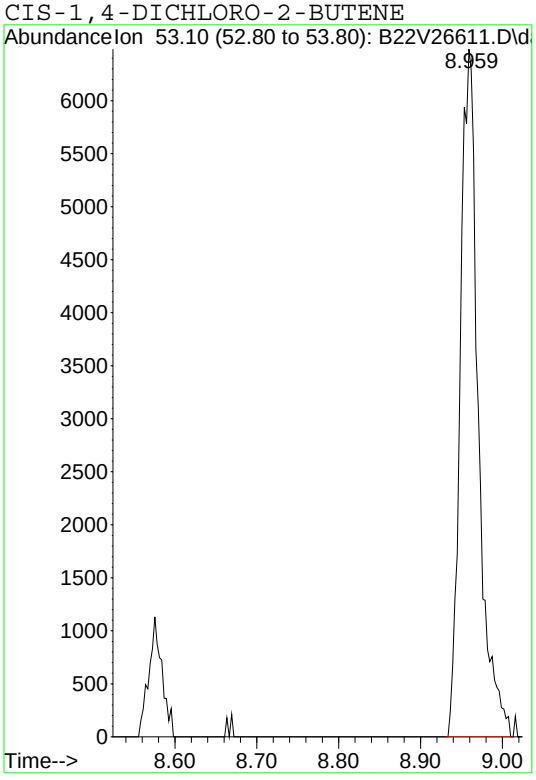
Mon Sep 26 07:45:29 2022

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

Manual Integration
ETHYL METHACRYLATE




Original Integration
CIS-1,4-DICHLORO-2-BUTENE




Original Int. Results
---

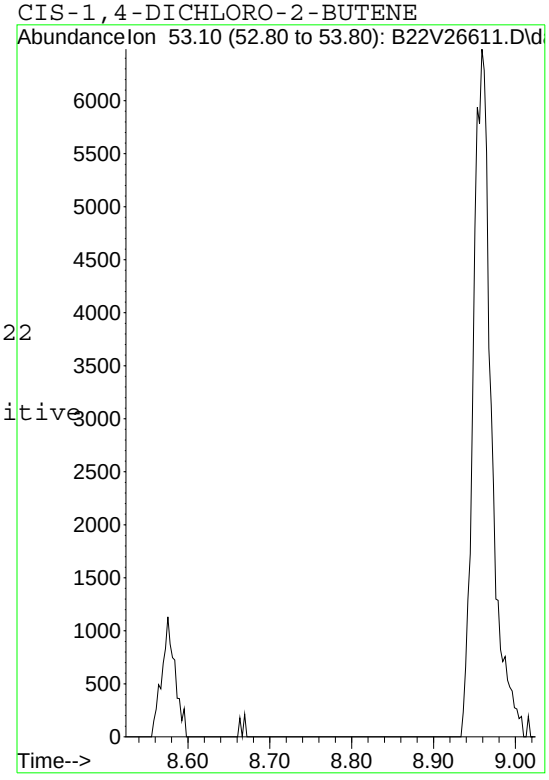
RT : 8.96
Area : 9923
Amount: 0

Manual Int. Results
---

Mon Sep 26 07:45:40 2022

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

Manual Integration
CIS-1,4-DICHLORO-2-BUTENE



Data Path : \\Voa2\MSDChem\1\DATA\B092322\
Data File : B22V26612.D
Acq On : 23 Sep 2022 1:04 pm
Operator :
Sample : 8260 STD 10 PPB 2209385 Inst : GCMSVOA2
Misc :
ALS Vial : 12 Sample Multiplier: 1



Quant Time: Sep 26 07:50:03 2022
Quant Method : Y:\1\METHODS\B060920W-RT-UPDATE.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Sep 21 11:30:47 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) PENTAFLUOROBENZENE - ISTD | 3.994 | 168 | 173874 | 30.00 | UG/L | | 0.00 |
| 44) 1,4-DIFLOUROBENZENE - ... | 4.722 | 114 | 263037 | 30.00 | UG/L | | 0.00 |
| 65) CHLOROBENZENE-D5 ISTD | 7.564 | 82 | 143255 | 30.00 | UG/L | | 0.00 |
| 84) 1,4-DICHLOROBENZENE-D4... | 9.860 | 152 | 158180 | 30.00 | UG/L | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 2) 1,2-DICHLOROETHANE-D4 SS | 4.276 | 65 | 99801 | 22.27 | UG/L | | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 89.08% | | | | |
| 45) TOLUENE-D8 SS | 6.157 | 98 | 273207 | 24.85 | UG/L | | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 99.40% | | | | |
| 66) 4-BROMOFLUROBENZENE SS | 8.726 | 95 | 114667 | 25.79 | UG/L | | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 103.16% | | | | |
| Target Compounds | | | | | | | Qvalue |
| 3) DICHLORODIFLOUROMETHANE | 1.030 | 85 | 32618 | 9.12 | UG/L | | 99 |
| 4) DIFLUOROCHLOROMETHANE | 1.039 | 51 | 62097 | 12.57 | UG/L | | 94 |
| 5) CHLOROMETHANE | 1.132 | 50 | 64722 | 5.96 | UG/L | | 98 |
| 6) VINYL CHLORIDE | 1.189 | 62 | 42019 | 10.35 | UG/L | | 98 |
| 7) BROMOMETHANE | 1.365 | 94 | 14536m | 15.70 | UG/L | | |
| 8) CHLOROETHANE | 1.425 | 64 | 24122 | 10.84 | UG/L | | 93 |
| 9) FLUORODICHLOROMETHANE | 1.539 | 67 | 52914 | 9.49 | UG/L | | 100 |
| 10) TRICHLOROFLUOROMETHANE | 1.573 | 101 | 40909 | 8.89 | UG/L | | 88 |
| 11) ETHANOL | 1.695 | 45 | 6293 | 111.68 | UG/L | # | 99 |
| 12) DI ETHYL ETHER | 1.746 | 59 | 28945 | 12.34 | UG/L | # | 83 |
| 13) ACROLEIN | 1.843 | 56 | 77387 | 93.08 | UG/L | # | 94 |
| 14) ACETONE | 1.945 | 43 | 141240 | 114.55 | UG/L | | 98 |
| 15) 1,1-DICHLOROETHENE | 1.897 | 61 | 53059 | 11.44 | UG/L | | 92 |
| 16) 1,1,2-TRICL-1,2,2-TRIF... | 1.888 | 101 | 24193 | 10.83 | UG/L | | 95 |
| 17) IODOMETHANE | 2.008 | 142 | 378190 | 157.06 | UG/L | | 96 |
| 18) METHYL ACETATE | 2.173 | 43 | 48253 | 12.36 | UG/L | # | 92 |
| 19) T-BUTYL ALCOHOL | 2.354 | 59 | 45836 | 105.85 | UG/L | | 95 |
| 20) ACRYLONITRILE | 2.462 | 53 | 17987 | 13.24 | UG/L | | 97 |
| 21) METHYLENE CHLORIDE | 2.249 | 49 | 58932 | 11.65 | UG/L | | 87 |
| 22) CARBON DISULFIDE | 2.050 | 76 | 746838 | 101.39 | UG/L | | 99 |
| 23) METHYL TERT-BUTYL ETHE... | 2.462 | 73 | 75126 | 10.51 | UG/L | # | 89 |
| 24) TRANS 1,2-DICHLOROETHENE | 2.460 | 61 | 49880 | 11.34 | UG/L | | 95 |
| 25) 1,1-DICHLOROETHANE | 2.846 | 63 | 58855 | 10.85 | UG/L | | 98 |
| 26) VINYL ACETATE | 2.906 | 43 | 1075085 | 118.42 | UG/L | # | 96 |
| 27) DI ISOPROPYL ETHER | 2.909 | 45 | 155061 | 13.07 | UG/L | | 93 |
| 28) 2-BUTANONE | 3.480 | 43 | 220179 | 114.53 | UG/L | # | 91 |
| 29) T-BUTYL ETHYL ETHER | 3.289 | 59 | 122137 | 12.19 | UG/L | | 97 |
| 30) CIS-1,2-DICHLOROETHENE | 3.443 | 61 | 57050 | 10.93 | UG/L | | 93 |
| 31) 2,2-DICHLOROPROPANE | 3.432 | 77 | 41554 | 9.85 | UG/L | | 99 |
| 32) ETHYL ACETATE | 3.545 | 43 | 55696m | 13.20 | UG/L | | |
| 33) BROMOCHLOROMETHANE | 3.687 | 128 | 13239 | 11.66 | UG/L | | 81 |
| 34) TETRAHYDROFURAN | 3.738 | 42 | 16010 | 13.24 | UG/L | # | 89 |
| 35) T-BUTYL FORMATE | 0.000 | | 0 | N.D. | d | | |
| 36) CHLOROFORM | 3.775 | 83 | 47530 | 9.71 | UG/L | | 99 |
| 37) 1,1,1-TRICHLOROETHANE | 3.937 | 97 | 44075 | 10.04 | UG/L | | 97 |
| 38) CYCLOHEXANE | 3.977 | 56 | 83674 | 12.63 | UG/L | | 92 |
| 39) CARBON TETRACHLORIDE | 4.094 | 117 | 39464 | 9.98 | UG/L | | 100 |
| 40) 1,1-DICHLOROPROPENE | 4.105 | 75 | 37233 | 9.80 | UG/L | | 98 |
| 41) BENZENE | 4.313 | 78 | 100763 | 9.57 | UG/L | | 99 |
| 42) T-AMYL ALCOHOL | 0.000 | | 0 | N.D. | d | | |
| 43) T-AMYLMETHYL ETHER | 4.440 | 73 | 79389 | 10.88 | UG/L | | 94 |
| 46) 1,2-DICHLOROETHANE | 4.352 | 62 | 48276 | 11.44 | UG/L | | 95 |
| 47) TRICHLOROETHENE | 4.961 | 95 | 28283 | 11.08 | UG/L | | 99 |

Data Path : \\Voa2\MSDChem\1\DATA\B092322\
Data File : B22V26612.D
Acq On : 23 Sep 2022 1:04 pm
Operator :
Sample : 8260 STD 10 PPB 2209385 Inst : GCMSVOA2
Misc :
ALS Vial : 12 Sample Multiplier: 1



Quant Time: Sep 26 07:50:03 2022
Quant Method : Y:\1\METHODS\B060920W-RT-UPDATE.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Sep 21 11:30:47 2022
Response via : Initial Calibration

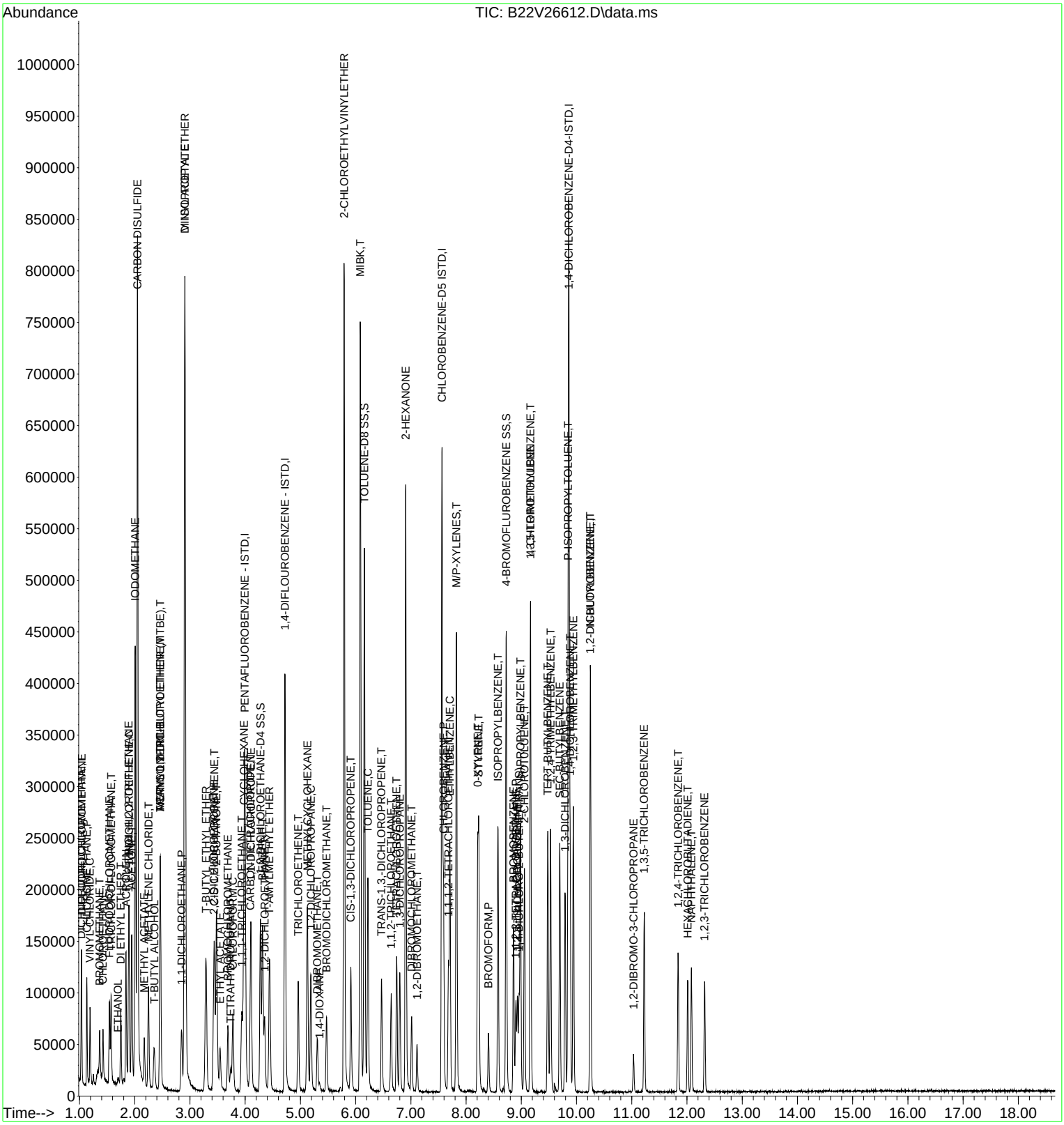
| Compound | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 48) METHYLCYCLOHEXANE | 5.128 | 83 | 48648 | 10.77 UG/L # | 83 |
| 49) 1,2-DICHLOROPROPANE | 5.191 | 63 | 34422 | 12.08 UG/L | 96 |
| 50) DIBROMOMETHANE | 5.304 | 93 | 16788 | 10.98 UG/L | 96 |
| 51) 1,4-DIOXANE | 5.347 | 88 | 3452 | 108.94 UG/L # | 74 |
| 52) BROMODICHLOROMETHANE | 5.475 | 83 | 37816 | 11.20 UG/L | 98 |
| 53) 2-CHLOROETHYLVINYLETHER | 5.790 | 63 | 265672 | 392.37 UG/L | 88 |
| 54) MIBK | 6.083 | 43 | 502366 | 128.81 UG/L # | 95 |
| 55) CIS-1,3-DICHLOROPROPENE | 5.913 | 75 | 43453 | 10.56 UG/L # | 84 |
| 56) TOLUENE | 6.222 | 91 | 109812 | 9.83 UG/L | 97 |
| 57) TRANS-1,3,-DICHLOROPRO... | 6.467 | 75 | 37356 | 10.32 UG/L # | 86 |
| 58) ETHYL METHACRYLATE | 0.000 | | 0 | N.D. d | |
| 59) 1,1,2-TRICHLOROETHANE | 6.643 | 97 | 22657 | 10.58 UG/L | 99 |
| 60) 2-HEXANONE | 6.907 | 43 | 372469 | 127.48 UG/L # | 95 |
| 61) TETRACHLOROETHENE | 6.740 | 164 | 25428 | 11.47 UG/L | 96 |
| 62) 1,3-DICHLOROPROPANE | 6.799 | 76 | 41539 | 10.62 UG/L # | 82 |
| 63) DIBROMOCHLOROMETHANE | 7.012 | 129 | 30202 | 11.64 UG/L | 99 |
| 64) 1,2-DIBROMOETHANE | 7.112 | 107 | 25162 | 10.57 UG/L # | 95 |
| 67) CHLOROBENZENE | 7.592 | 112 | 77148 | 10.57 UG/L | 100 |
| 68) 1,1,1,2-TETRACHLOROETHANE | 7.680 | 131 | 29718 | 12.19 UG/L | 99 |
| 69) ETHYLBENZENE | 7.706 | 91 | 131626 | 10.33 UG/L | 99 |
| 70) M/P-XYLENES | 7.825 | 91 | 204977 | 20.53 UG/L | 95 |
| 71) 0-XYLENE | 8.212 | 91 | 104488 | 10.19 UG/L | 95 |
| 72) STYRENE | 8.229 | 104 | 88568 | 11.28 UG/L | 92 |
| 73) BROMOFORM | 8.405 | 173 | 23583 | 13.07 UG/L # | 99 |
| 74) ISOPROPYLBENZENE | 8.576 | 105 | 138447 | 10.72 UG/L | 99 |
| 75) CIS-1,4-DICHLORO-2-BUTENE | 0.000 | | 0 | N.D. d | |
| 76) 1,1,2,2-TETRACHLOROETHANE | 8.899 | 83 | 35139 | 10.44 UG/L | 100 |
| 77) 1,4-DICHLORO-2-BUTENE(... | 8.959 | 53 | 20905 | 17.02 UG/L | 98 |
| 78) BROMOBENZENE | 8.857 | 77 | 51635 | 11.06 UG/L | 95 |
| 79) 1,2,3-TRICHLOROPROPANE | 8.928 | 110 | 10555 | 11.41 UG/L # | 50 |
| 80) N-PROPYLBENZENE | 8.985 | 91 | 164414 | 10.25 UG/L | 95 |
| 81) 2-CHLOROT0LUENE | 9.056 | 91 | 92291 | 10.04 UG/L | 94 |
| 82) 1,3,5-TRIMETHYLBENZENE | 9.164 | 105 | 118821 | 10.84 UG/L | 97 |
| 83) 4-CHLOROTOLUENE | 9.167 | 91 | 110631 | 10.35 UG/L | 96 |
| 85) TERT-BUTYLBENZENE | 9.476 | 119 | 99618 | 9.82 UG/L | 94 |
| 86) 1,2,4-TRIMETHYLBENZENE | 9.530 | 105 | 116209 | 9.87 UG/L | 98 |
| 87) SEC-BUTYLBENZENE | 9.695 | 105 | 141820 | 9.35 UG/L | 100 |
| 88) 1,3-DICHLOROBENZENE | 9.795 | 146 | 67210 | 10.08 UG/L | 96 |
| 89) P-ISOPROPYLTOLUENE | 9.846 | 119 | 125658 | 9.85 UG/L | 97 |
| 90) 1,4-DICHLOROBENZENE | 9.883 | 146 | 69279 | 10.01 UG/L | 97 |
| 91) 1,2,3-TRIMETHYLBENZENE | 9.943 | 105 | 128163 | 11.13 UG/L # | 100 |
| 92) N-BUTYLBENZENE | 10.252 | 91 | 113355 | 9.22 UG/L | 99 |
| 93) 1,2-DICHLOROBENZENE | 10.247 | 146 | 61870 | 9.71 UG/L | 99 |
| 94) 1,2-DIBROMO-3-CHLOROPR... | 11.031 | 75 | 6547 | 9.16 UG/L | 93 |
| 95) 1,3,5-TRICHLOROBENZENE | 11.224 | 180 | 48176 | 9.94 UG/L | 94 |
| 96) 1,2,4-TRICHLOROBENZENE | 11.838 | 180 | 36481 | 8.59 UG/L | 99 |
| 97) HEXACHLOROBUTADIENE | 12.014 | 225 | 18420 | 8.41 UG/L | 100 |
| 98) NAPHTHALENE | 12.080 | 128 | 81156 | 7.50 UG/L | 99 |
| 99) 1,2,3-TRICHLOROBENZENE | 12.316 | 180 | 29687 | 7.46 UG/L | 92 |

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

Data Path : \\Voa2\MSDChem\1\DATA\B092322\
Data File : B22V26612.D
Acq On : 23 Sep 2022 1:04 pm
Operator :
Sample : 8260 STD 10 PPB 2209385 Inst : GCMSVOA2
Misc :
ALS Vial : 12 Sample Multiplier: 1



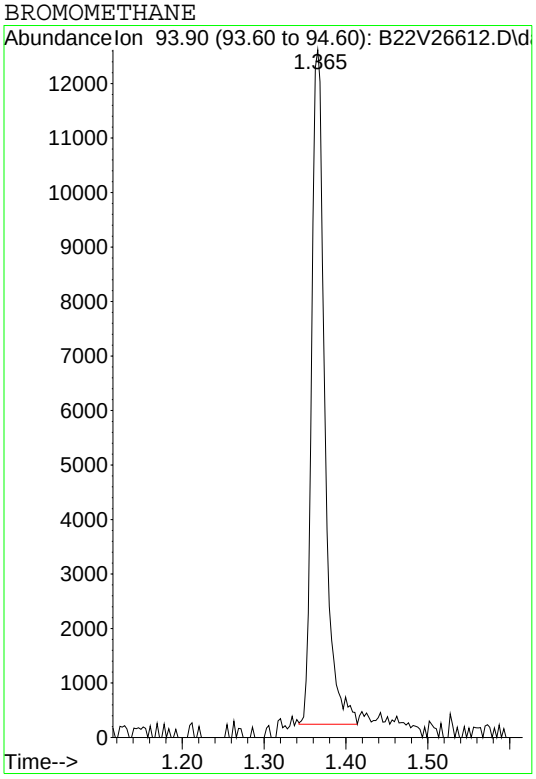
Quant Time: Sep 26 07:50:03 2022
Quant Method : Y:\1\METHODS\B060920W-RT-UPDATE.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Sep 21 11:30:47 2022
Response via : Initial Calibration



Data Path : \\Voa2\MSDChem\1\DATA\B092322\
Data File : B22V26612.D
Acq On : 23 Sep 2022 1:04 pm
Operator :
Sample : 8260 STD 10 PPB 2209385
Misc :

Quant Time : Mon Sep 26 07:50:03 2022
Quant Method : Y:\1\METHODS\B060920W-RT-UPDATE.M
QLast Update : Wed Sep 21 11:30:47 2022

Original Integration
BROMOMETHANE




Original Int. Results
---

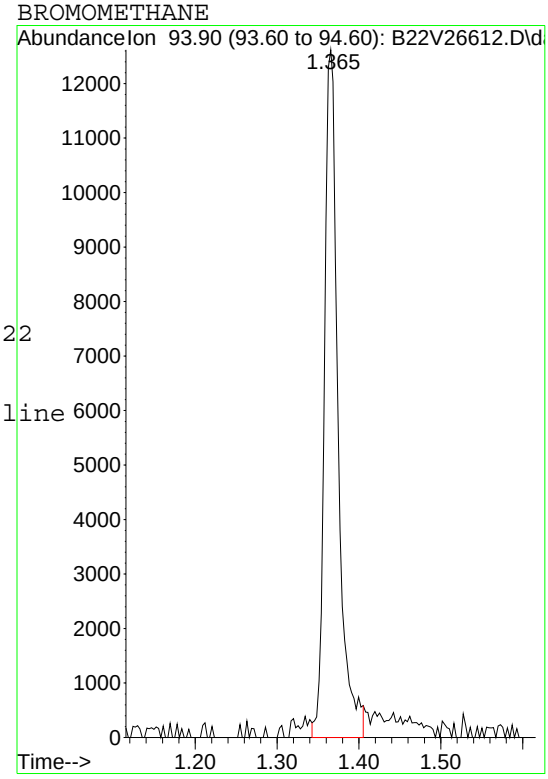
RT : 1.37
Area : 13693
Amount: 14.9753

Manual Int. Results
---

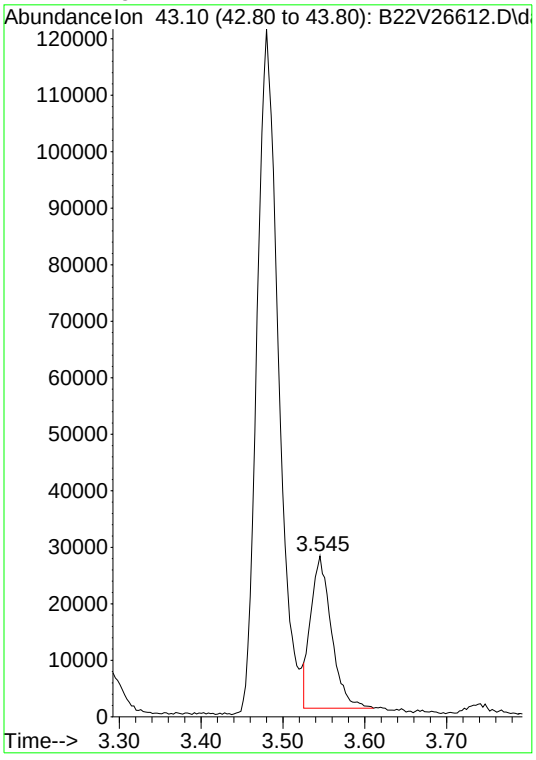
Mon Sep 26 07:49:04 2022

MIuser: LBD
Reason: Incorrect Baseline
RT : 1.37
Area : 14536
Amount: 15.7043

Manual Integration
BROMOMETHANE




Original Integration
ETHYL ACETATE




Original Int. Results
---

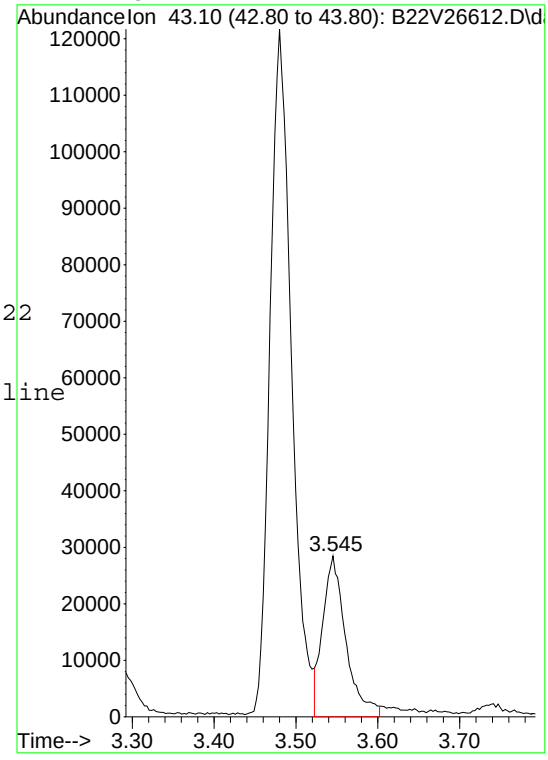
RT : 3.55
Area : 47066
Amount: 11.1542

Manual Int. Results
---

Mon Sep 26 07:49:25 2022

MIuser: LBD
Reason: Incorrect Baseline
RT : 3.55
Area : 55696
Amount: 13.1995

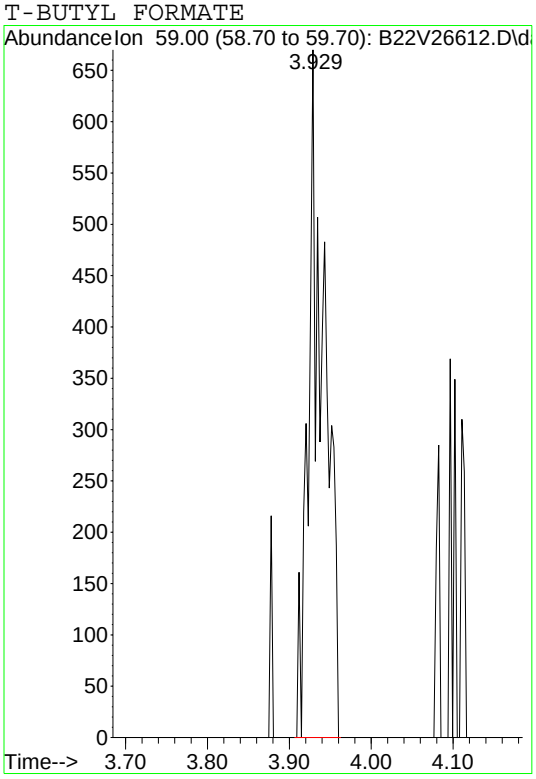
Manual Integration
ETHYL ACETATE



Data Path : \\Voa2\MSDChem\1\DATA\B092322\
Data File : B22V26612.D
Acq On : 23 Sep 2022 1:04 pm
Operator :
Sample : 8260 STD 10 PPB 2209385
Misc :

Quant Time : Mon Sep 26 07:50:03 2022
Quant Method : Y:\1\METHODS\B060920W-RT-UPDATE.M
QLast Update : Wed Sep 21 11:30:47 2022

Original Integration
T-BUTYL FORMATE




Original Int. Results
---

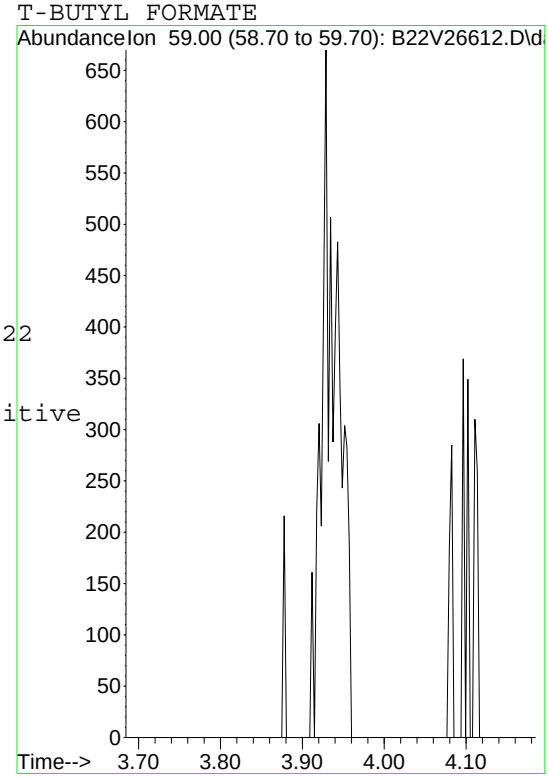
RT : 3.93
Area : 903
Amount: 0.292012

Manual Int. Results
---

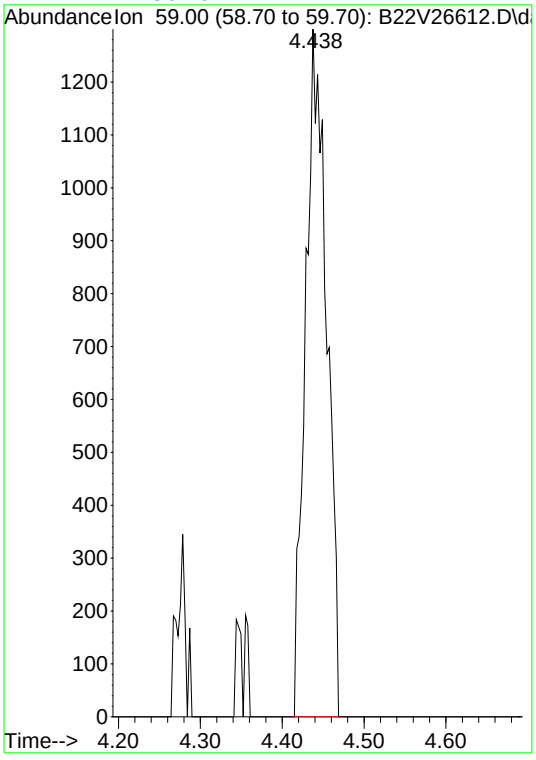
Mon Sep 26 07:49:30 2022

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

Manual Integration
T-BUTYL FORMATE




Original Integration
T-AMYL ALCOHOL




Original Int. Results
---

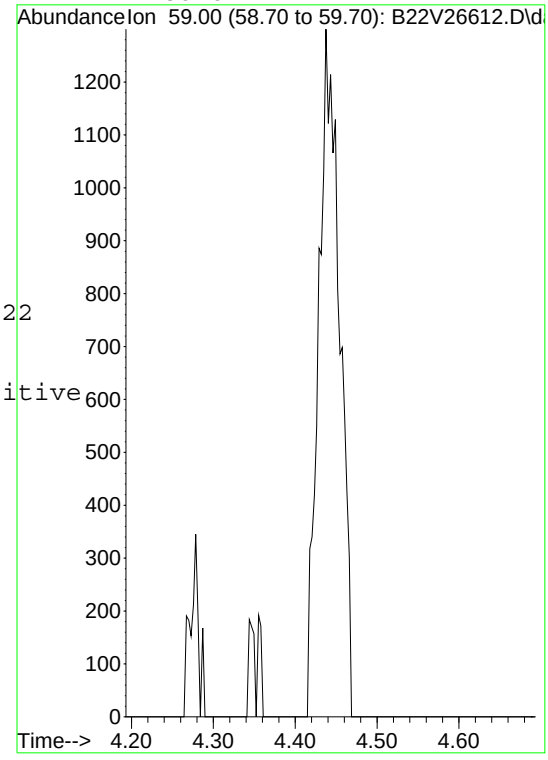
RT : 4.44
Area : 2342
Amount: 7.31901

Manual Int. Results
---

Mon Sep 26 07:49:42 2022

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

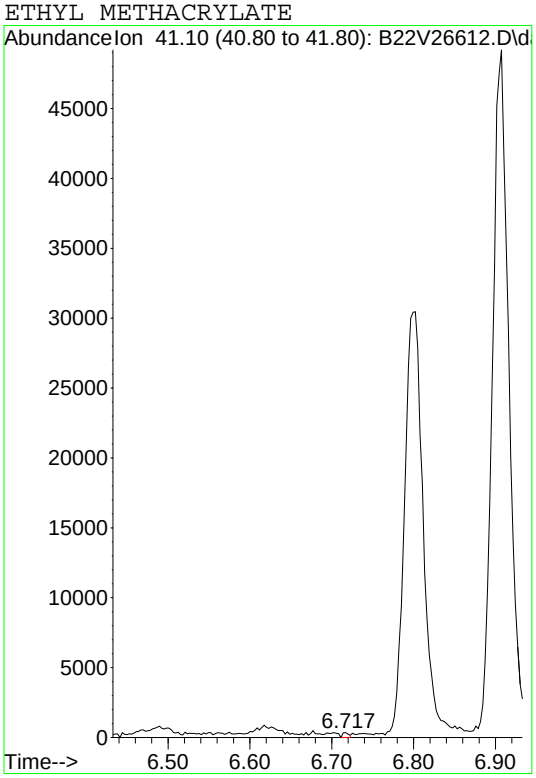
Manual Integration
T-AMYL ALCOHOL



Data Path : \\Voa2\MSDChem\1\DATA\B092322\
Data File : B22V26612.D
Acq On : 23 Sep 2022 1:04 pm
Operator :
Sample : 8260 STD 10 PPB 2209385
Misc :

Quant Time : Mon Sep 26 07:50:03 2022
Quant Method : Y:\1\METHODS\B060920W-RT-UPDATE.M
QLast Update : Wed Sep 21 11:30:47 2022

Original Integration
ETHYL METHACRYLATE




Original Int. Results
---

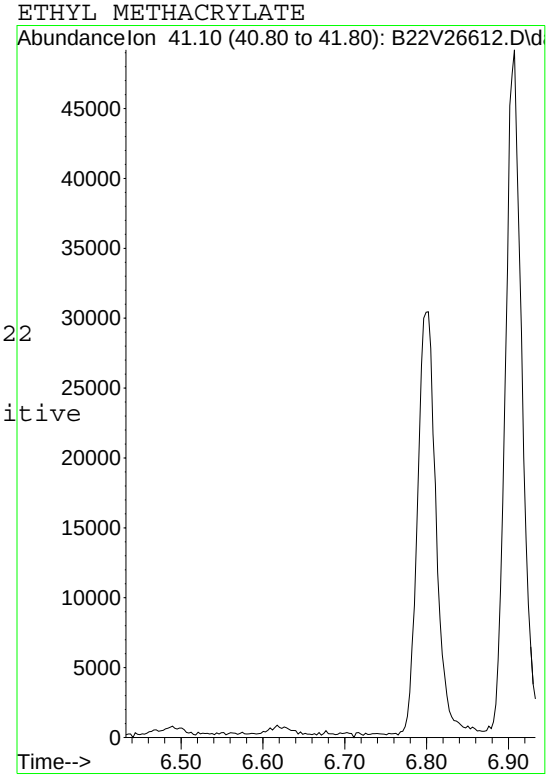
RT : 6.72
Area : 188
Amount: 0

Manual Int. Results
---

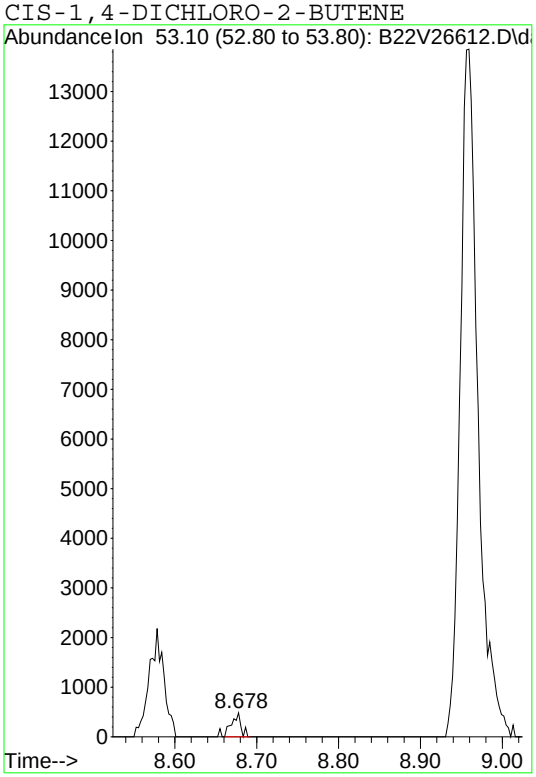
Mon Sep 26 07:49:52 2022

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

Manual Integration
ETHYL METHACRYLATE




Original Integration
CIS-1,4-DICHLORO-2-BUTENE




Original Int. Results
---

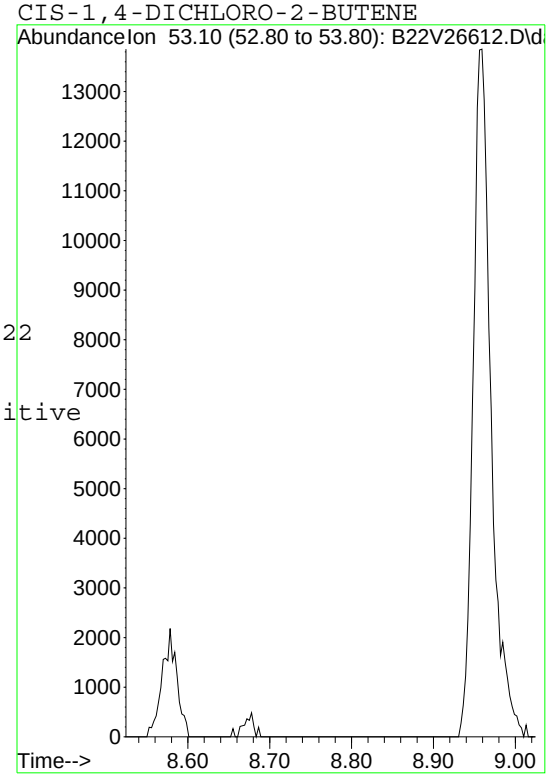
RT : 8.68
Area : 382
Amount: 0

Manual Int. Results
---

Mon Sep 26 07:50:03 2022

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

Manual Integration
CIS-1,4-DICHLORO-2-BUTENE



Data Path : \\Voa2\MSDChem\1\DATA\B092322\
Data File : B22V26613.D
Acq On : 23 Sep 2022 1:30 pm
Operator :
Sample : 8260 STD 20 PPB 2209385 Inst : GCMSVOA2
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 26 07:52:01 2022
Quant Method : Y:\1\METHODS\B060920W-RT-UPDATE.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Sep 21 11:30:47 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) PENTAFLUOROBENZENE - ISTD | 3.997 | 168 | 171673 | 30.00 | UG/L | | 0.00 |
| 44) 1,4-DIFLOUROBENZENE - ... | 4.719 | 114 | 263114 | 30.00 | UG/L | | 0.00 |
| 65) CHLOROBENZENE-D5 ISTD | 7.564 | 82 | 141626 | 30.00 | UG/L | | 0.00 |
| 84) 1,4-DICHLOROBENZENE-D4... | 9.860 | 152 | 159063 | 30.00 | UG/L | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 2) 1,2-DICHLOROETHANE-D4 SS | 4.276 | 65 | 97996 | 22.15 | UG/L | | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 88.60% | | | | |
| 45) TOLUENE-D8 SS | 6.157 | 98 | 268886 | 24.45 | UG/L | | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 97.80% | | | | |
| 66) 4-BROMOFLUROBENZENE SS | 8.726 | 95 | 114401 | 26.03 | UG/L | | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 104.12% | | | | |
| Target Compounds | | | | | | | Qvalue |
| 3) DICHLORODIFLOUROMETHANE | 1.030 | 85 | 64157 | 18.17 | UG/L | | 98 |
| 4) DIFLUOROCHLOROMETHANE | 1.036 | 51 | 119765 | 24.56 | UG/L | | 94 |
| 5) CHLOROMETHANE | 1.132 | 50 | 117947 | 10.99 | UG/L | | 97 |
| 6) VINYL CHLORIDE | 1.189 | 62 | 82784 | 20.65 | UG/L | | 97 |
| 7) BROMOMETHANE | 1.363 | 94 | 21835m | 22.26 | UG/L | | |
| 8) CHLOROETHANE | 1.419 | 64 | 48376 | 22.02 | UG/L | | 95 |
| 9) FLUORODICHLOROMETHANE | 1.539 | 67 | 101053 | 18.36 | UG/L | | 98 |
| 10) TRICHLOROFLUOROMETHANE | 1.567 | 101 | 80750 | 17.77 | UG/L | | 90 |
| 11) ETHANOL | 1.706 | 45 | 11212 | 201.53 | UG/L | # | 83 |
| 12) DI ETHYL ETHER | 1.746 | 59 | 54755 | 23.64 | UG/L | # | 79 |
| 13) ACROLEIN | 1.840 | 56 | 157036 | 191.31 | UG/L | # | 96 |
| 14) ACETONE | 1.945 | 43 | 299989 | 246.42 | UG/L | | 96 |
| 15) 1,1-DICHLOROETHENE | 1.894 | 61 | 101592 | 22.19 | UG/L | | 92 |
| 16) 1,1,2-TRICL-1,2,2-TRIF... | 1.888 | 101 | 48983 | 22.22 | UG/L | | 98 |
| 17) IODOMETHANE | 2.005 | 142 | 770788 | 317.66 | UG/L | | 95 |
| 18) METHYL ACETATE | 2.172 | 43 | 96566 | 25.05 | UG/L | # | 91 |
| 19) T-BUTYL ALCOHOL | 2.357 | 59 | 96036 | 224.63 | UG/L | | 94 |
| 20) ACRYLONITRILE | 2.460 | 53 | 37146 | 27.69 | UG/L | | 98 |
| 21) METHYLENE CHLORIDE | 2.246 | 49 | 117797 | 23.58 | UG/L | # | 86 |
| 22) CARBON DISULFIDE | 2.047 | 76 | 1472684 | 202.49 | UG/L | | 99 |
| 23) METHYL TERT-BUTYL ETHE... | 2.462 | 73 | 147866 | 20.95 | UG/L | # | 89 |
| 24) TRANS 1,2-DICHLOROETHENE | 2.457 | 61 | 96256 | 22.16 | UG/L | | 95 |
| 25) 1,1-DICHLOROETHANE | 2.849 | 63 | 115361 | 21.53 | UG/L | | 97 |
| 26) VINYL ACETATE | 2.906 | 43 | 2190505 | 244.38 | UG/L | # | 96 |
| 27) DI ISOPROPYL ETHER | 2.909 | 45 | 308235 | 26.31 | UG/L | | 92 |
| 28) 2-BUTANONE | 3.480 | 43 | 449917 | 237.03 | UG/L | # | 91 |
| 29) T-BUTYL ETHYL ETHER | 3.292 | 59 | 236859 | 23.95 | UG/L | | 97 |
| 30) CIS-1,2-DICHLOROETHENE | 3.440 | 61 | 110422 | 21.43 | UG/L | | 94 |
| 31) 2,2-DICHLOROPROPANE | 3.431 | 77 | 80872 | 19.41 | UG/L | | 99 |
| 32) ETHYL ACETATE | 3.542 | 43 | 112529m | 27.01 | UG/L | | |
| 33) BROMOCHLOROMETHANE | 3.687 | 128 | 24853 | 22.16 | UG/L | | 80 |
| 34) TETRAHYDROFURAN | 3.738 | 42 | 30285 | 25.37 | UG/L | | 93 |
| 35) T-BUTYL FORMATE | 0.000 | | 0 | N.D. | d | | |
| 36) CHLOROFORM | 3.775 | 83 | 91538 | 18.95 | UG/L | | 100 |
| 37) 1,1,1-TRICHLOROETHANE | 3.934 | 97 | 85691 | 19.77 | UG/L | | 96 |
| 38) CYCLOHEXANE | 3.977 | 56 | 159075 | 24.32 | UG/L | | 90 |
| 39) CARBON TETRACHLORIDE | 4.096 | 117 | 78561 | 20.12 | UG/L | | 100 |
| 40) 1,1-DICHLOROPROPENE | 4.102 | 75 | 74535 | 19.86 | UG/L | | 98 |
| 41) BENZENE | 4.315 | 78 | 197284 | 18.97 | UG/L | | 100 |
| 42) T-AMYL ALCOHOL | 0.000 | | 0 | N.D. | d | | |
| 43) T-AMYLMETHYL ETHER | 4.440 | 73 | 152915 | 21.23 | UG/L | | 93 |
| 46) 1,2-DICHLOROETHANE | 4.352 | 62 | 94070 | 22.29 | UG/L | | 92 |
| 47) TRICHLOROETHENE | 4.960 | 95 | 54226 | 21.23 | UG/L | | 96 |

Data Path : \\Voa2\MSDChem\1\DATA\B092322\
Data File : B22V26613.D
Acq On : 23 Sep 2022 1:30 pm
Operator :
Sample : 8260 STD 20 PPB 2209385 Inst : GCMSVOA2
Misc :
ALS Vial : 13 Sample Multiplier: 1



Quant Time: Sep 26 07:52:01 2022
Quant Method : Y:\1\METHODS\B060920W-RT-UPDATE.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Sep 21 11:30:47 2022
Response via : Initial Calibration

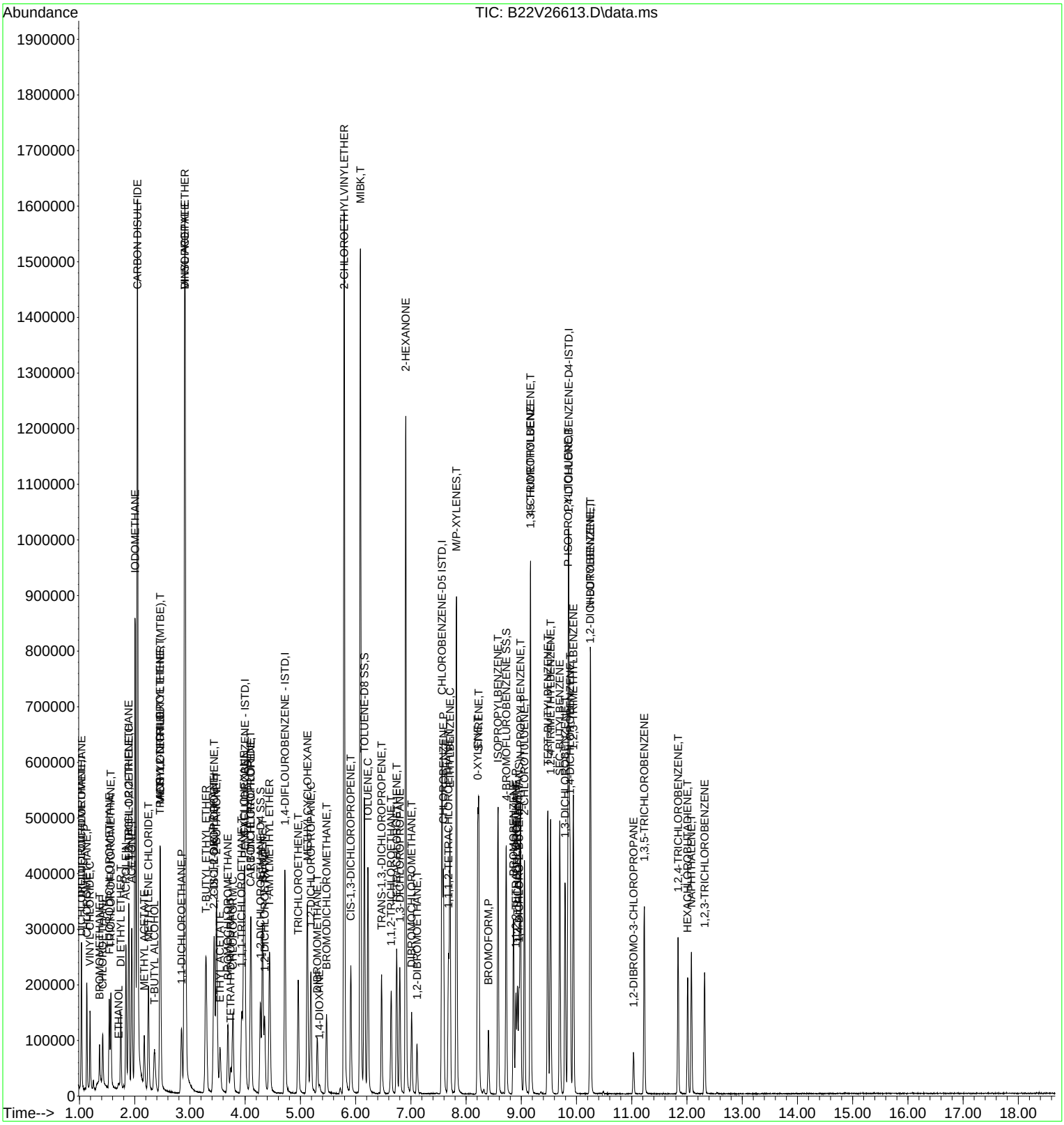
| Compound | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 48) METHYLCYCLOHEXANE | 5.128 | 83 | 96112 | 21.28 UG/L # | 84 |
| 49) 1,2-DICHLOROPROPANE | 5.191 | 63 | 66171 | 23.21 UG/L | 95 |
| 50) DIBROMOMETHANE | 5.304 | 93 | 33118 | 21.65 UG/L | 98 |
| 51) 1,4-DIOXANE | 5.341 | 88 | 7755 | 227.70 UG/L # | 83 |
| 52) BROMODICHLOROMETHANE | 5.472 | 83 | 72871 | 21.57 UG/L | 99 |
| 53) 2-CHLOROETHYLVINYLETHER | 5.793 | 63 | 525218 | 775.46 UG/L | 87 |
| 54) MIBK | 6.086 | 43 | 1014358 | 260.01 UG/L # | 95 |
| 55) CIS-1,3-DICHLOROPROPENE | 5.913 | 75 | 85327 | 20.74 UG/L # | 84 |
| 56) TOLUENE | 6.222 | 91 | 218081 | 19.51 UG/L | 99 |
| 57) TRANS-1,3,-DICHLOROPRO... | 6.470 | 75 | 75334 | 20.82 UG/L | 89 |
| 58) ETHYL METHACRYLATE | 0.000 | | 0 | N.D. d | |
| 59) 1,1,2-TRICHLOROETHANE | 6.643 | 97 | 45685 | 21.32 UG/L | 97 |
| 60) 2-HEXANONE | 6.907 | 43 | 764024 | 261.42 UG/L # | 95 |
| 61) TETRACHLOROETHENE | 6.742 | 164 | 50262 | 22.67 UG/L | 97 |
| 62) 1,3-DICHLOROPROPANE | 6.799 | 76 | 81686 | 20.88 UG/L # | 85 |
| 63) DIBROMOCHLOROMETHANE | 7.012 | 129 | 58969 | 22.72 UG/L | 99 |
| 64) 1,2-DIBROMOETHANE | 7.112 | 107 | 51031 | 21.42 UG/L # | 99 |
| 67) CHLOROBENZENE | 7.589 | 112 | 150764 | 20.89 UG/L | 98 |
| 68) 1,1,1,2-TETRACHLOROETHANE | 7.683 | 131 | 58116 | 24.11 UG/L | 97 |
| 69) ETHYLBENZENE | 7.709 | 91 | 259812 | 20.62 UG/L | 99 |
| 70) M/P-XYLENES | 7.825 | 91 | 411053 | 41.64 UG/L | 97 |
| 71) 0-XYLENE | 8.209 | 91 | 209415 | 20.66 UG/L | 96 |
| 72) STYRENE | 8.229 | 104 | 175500 | 22.60 UG/L | 92 |
| 73) BROMOFORM | 8.405 | 173 | 46635 | 26.14 UG/L # | 99 |
| 74) ISOPROPYLBENZENE | 8.578 | 105 | 274607 | 21.51 UG/L | 100 |
| 75) CIS-1,4-DICHLORO-2-BUTENE | 0.000 | | 0 | N.D. d | |
| 76) 1,1,2,2-TETRACHLOROETHANE | 8.902 | 83 | 71208 | 21.40 UG/L | 100 |
| 77) 1,4-DICHLORO-2-BUTENE(... | 8.959 | 53 | 42805 | 35.25 UG/L | 100 |
| 78) BROMOBENZENE | 8.860 | 77 | 101344 | 21.95 UG/L | 95 |
| 79) 1,2,3-TRICHLOROPROPANE | 8.928 | 110 | 21693 | 23.73 UG/L # | 49 |
| 80) N-PROPYLBENZENE | 8.985 | 91 | 329194 | 20.76 UG/L | 96 |
| 81) 2-CHLOROT0LUENE | 9.056 | 91 | 185386 | 20.40 UG/L | 94 |
| 82) 1,3,5-TRIMETHYLBENZENE | 9.164 | 105 | 235228 | 21.70 UG/L | 97 |
| 83) 4-CHLOROTOLUENE | 9.167 | 91 | 217675 | 20.59 UG/L | 95 |
| 85) TERT-BUTYLBENZENE | 9.479 | 119 | 199275 | 19.54 UG/L | 95 |
| 86) 1,2,4-TRIMETHYLBENZENE | 9.530 | 105 | 227265 | 19.19 UG/L | 96 |
| 87) SEC-BUTYLBENZENE | 9.695 | 105 | 285190 | 18.70 UG/L | 100 |
| 88) 1,3-DICHLOROBENZENE | 9.792 | 146 | 132924 | 19.82 UG/L | 97 |
| 89) P-ISOPROPYLTOLUENE | 9.849 | 119 | 248455 | 19.38 UG/L | 97 |
| 90) 1,4-DICHLOROBENZENE | 9.883 | 146 | 136988 | 19.69 UG/L | 97 |
| 91) 1,2,3-TRIMETHYLBENZENE | 9.942 | 105 | 254311 | 21.97 UG/L # | 100 |
| 92) N-BUTYLBENZENE | 10.252 | 91 | 224474 | 18.16 UG/L | 98 |
| 93) 1,2-DICHLOROBENZENE | 10.247 | 146 | 123189 | 19.22 UG/L | 98 |
| 94) 1,2-DIBROMO-3-CHLOROPR... | 11.031 | 75 | 13252 | 18.43 UG/L | 90 |
| 95) 1,3,5-TRICHLOROBENZENE | 11.227 | 180 | 95470 | 19.59 UG/L | 93 |
| 96) 1,2,4-TRICHLOROBENZENE | 11.838 | 180 | 74642 | 17.49 UG/L | 97 |
| 97) HEXACHLOROBUTADIENE | 12.011 | 225 | 36766 | 16.70 UG/L | 98 |
| 98) NAPHTHALENE | 12.080 | 128 | 167610 | 15.41 UG/L | 99 |
| 99) 1,2,3-TRICHLOROBENZENE | 12.318 | 180 | 59927 | 14.98 UG/L | 94 |

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

Data Path : \\Voa2\MSDChem\1\DATA\B092322\
Data File : B22V26613.D
Acq On : 23 Sep 2022 1:30 pm
Operator :
Sample : 8260 STD 20 PPB 2209385 Inst : GCMSVOA2
Misc :
ALS Vial : 13 Sample Multiplier: 1



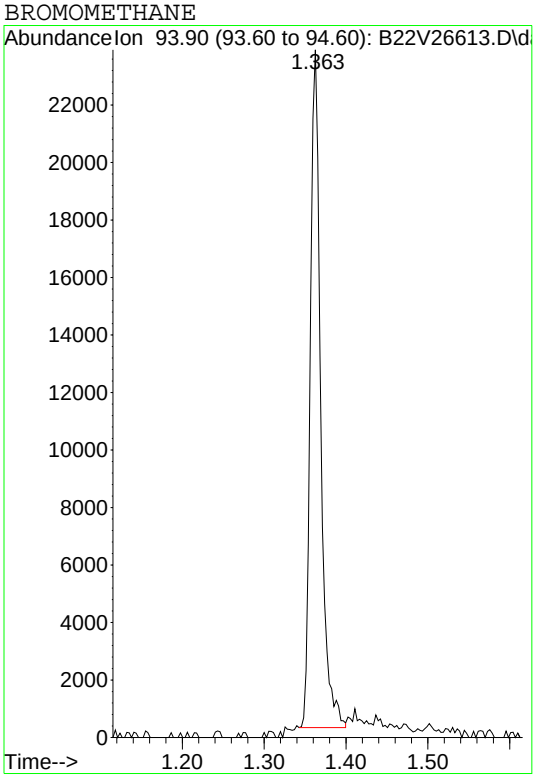
Quant Time: Sep 26 07:52:01 2022
Quant Method : Y:\1\METHODS\B060920W-RT-UPDATE.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Sep 21 11:30:47 2022
Response via : Initial Calibration



Data Path : \\Voa2\MSDChem\1\DATA\B092322\
Data File : B22V26613.D
Acq On : 23 Sep 2022 1:30 pm
Operator :
Sample : 8260 STD 20 PPB 2209385
Misc :

Quant Time : Mon Sep 26 07:52:01 2022
Quant Method : Y:\1\METHODS\B060920W-RT-UPDATE.M
QLast Update : Wed Sep 21 11:30:47 2022

Original Integration
BROMOMETHANE




Original Int. Results
---

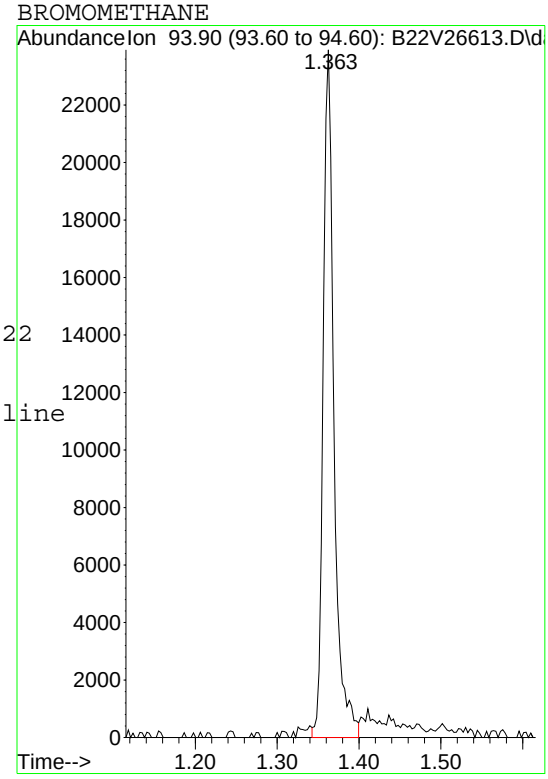
RT : 1.36
Area : 20648
Amount: 21.219

Manual Int. Results
---

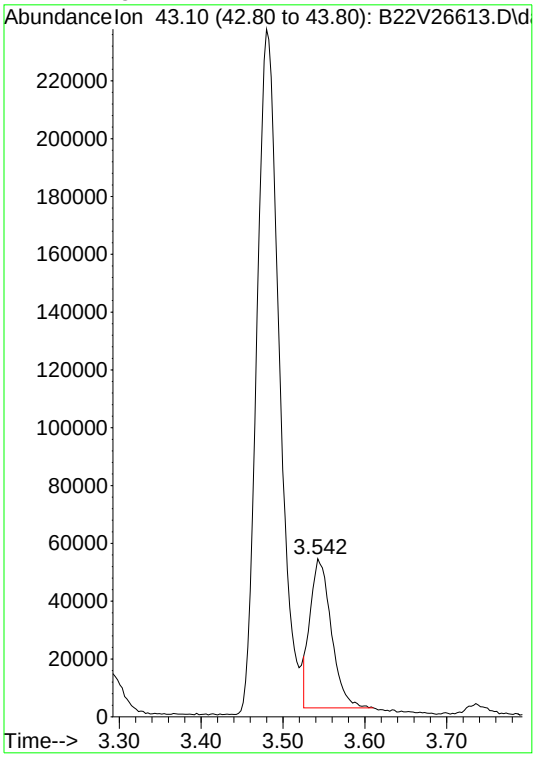
Mon Sep 26 07:50:54 2022

MIuser: LBD
Reason: Incorrect Baseline
RT : 1.36
Area : 21835
Amount: 22.2587

Manual Integration
BROMOMETHANE




Original Integration
ETHYL ACETATE




Original Int. Results
---

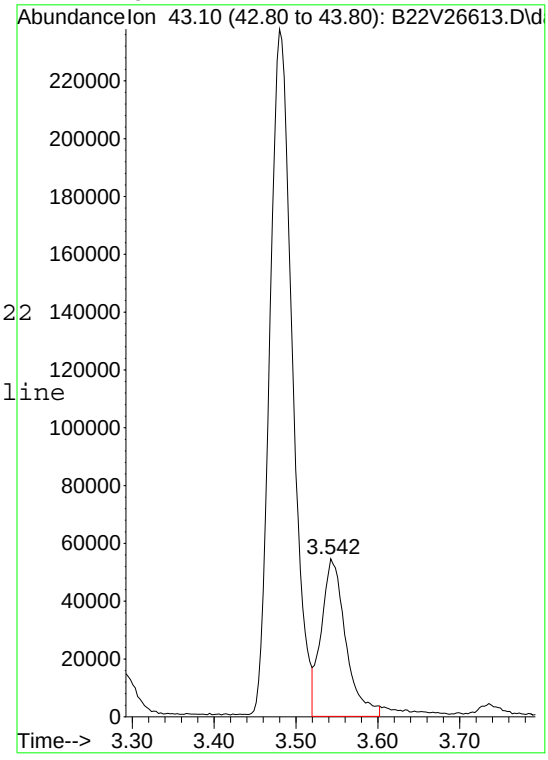
RT : 3.54
Area : 92533
Amount: 22.2106

Manual Int. Results
---

Mon Sep 26 07:51:15 2022

MIuser: LBD
Reason: Incorrect Baseline
RT : 3.54
Area : 112529
Amount: 27.0103

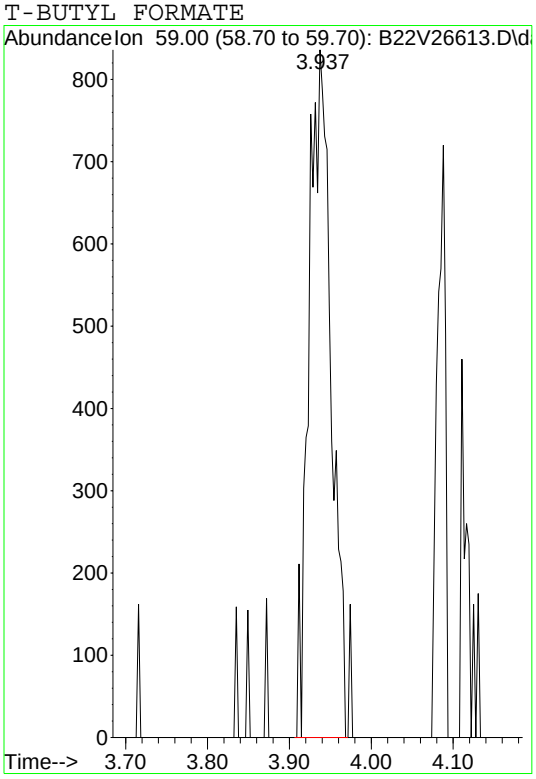
Manual Integration
ETHYL ACETATE



Data Path : \\Voa2\MSDChem\1\DATA\B092322\
Data File : B22V26613.D
Acq On : 23 Sep 2022 1:30 pm
Operator :
Sample : 8260 STD 20 PPB 2209385
Misc :

Quant Time : Mon Sep 26 07:52:01 2022
Quant Method : Y:\1\METHODS\B060920W-RT-UPDATE.M
QLast Update : Wed Sep 21 11:30:47 2022

Original Integration
T-BUTYL FORMATE




Original Int. Results
---

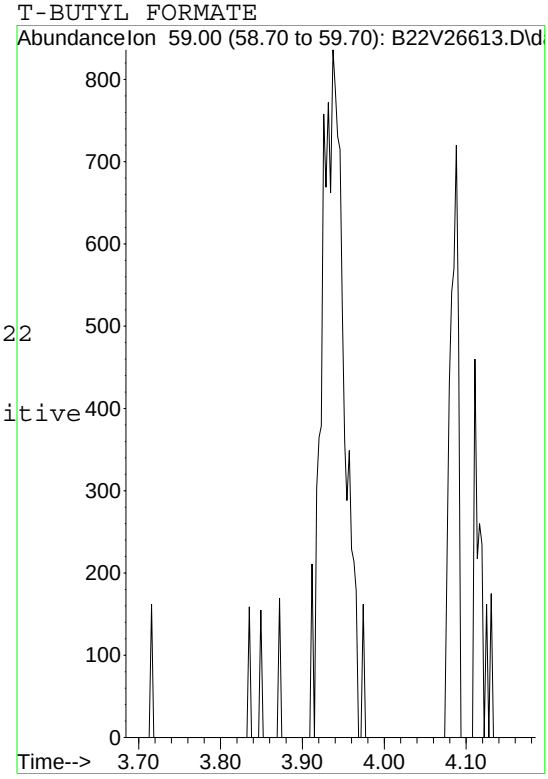
RT : 3.94
Area : 1591
Amount: 0.521093

Manual Int. Results
---

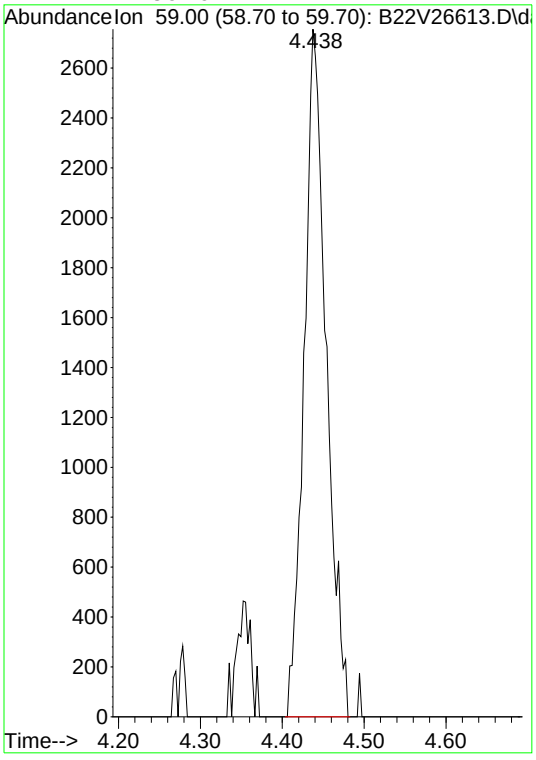
Mon Sep 26 07:51:21 2022

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

Manual Integration
T-BUTYL FORMATE




Original Integration
T-AMYL ALCOHOL




Original Int. Results
---

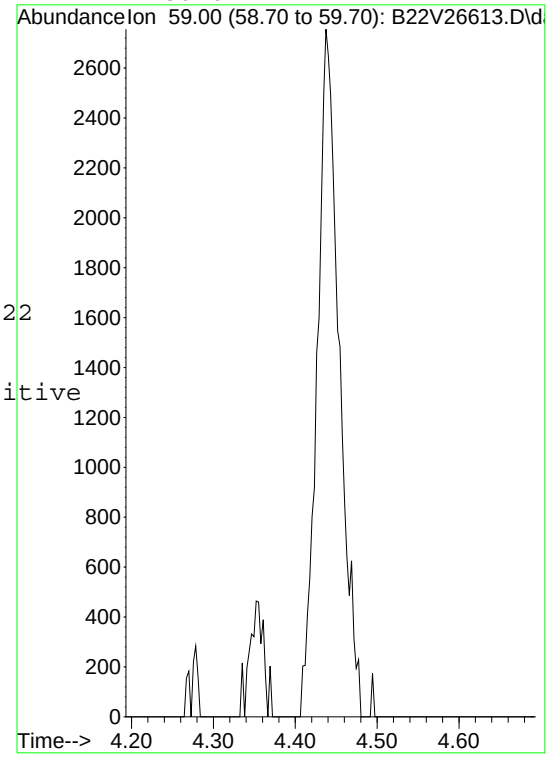
RT : 4.44
Area : 5142
Amount: 16.2753

Manual Int. Results
---

Mon Sep 26 07:51:29 2022

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

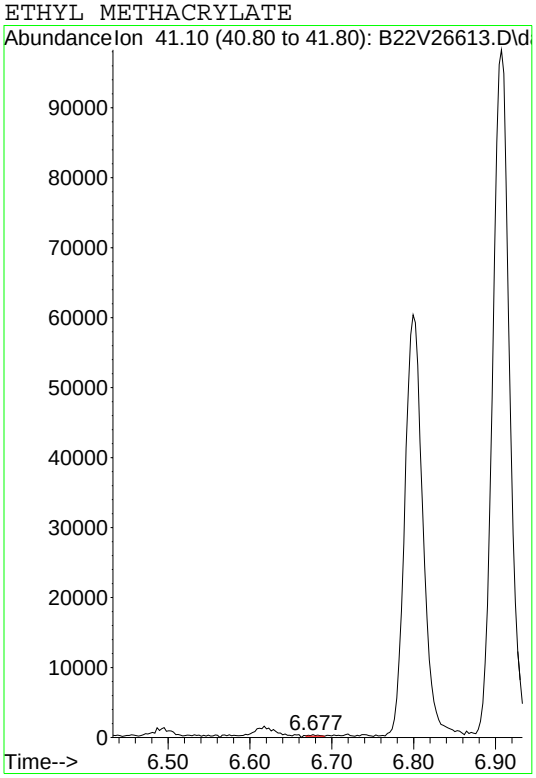
Manual Integration
T-AMYL ALCOHOL



Data Path : \\Voa2\MSDChem\1\DATA\B092322\
Data File : B22V26613.D
Acq On : 23 Sep 2022 1:30 pm
Operator :
Sample : 8260 STD 20 PPB 2209385
Misc :

Quant Time : Mon Sep 26 07:52:01 2022
Quant Method : Y:\1\METHODS\B060920W-RT-UPDATE.M
QLast Update : Wed Sep 21 11:30:47 2022

Original Integration
ETHYL METHACRYLATE




Original Int. Results
---

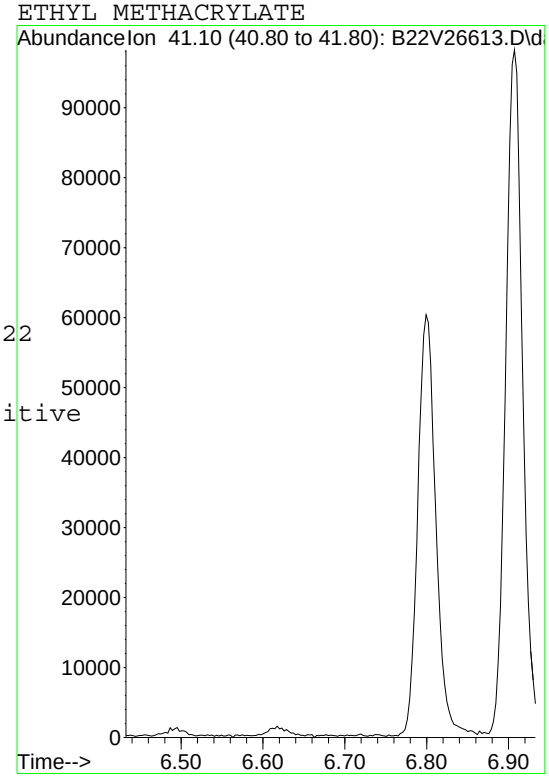
RT : 6.68
Area : 143
Amount: 0

Manual Int. Results
---

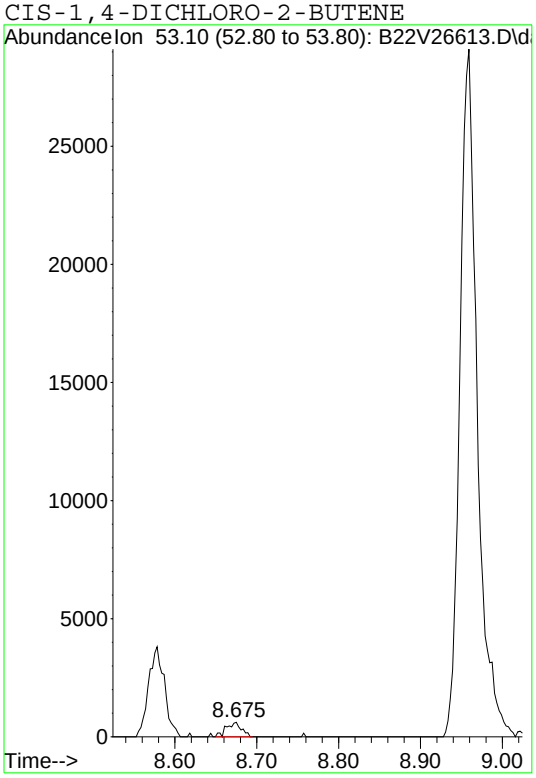
Mon Sep 26 07:51:49 2022

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

Manual Integration
ETHYL METHACRYLATE




Original Integration
CIS-1,4-DICHLORO-2-BUTENE




Original Int. Results
---

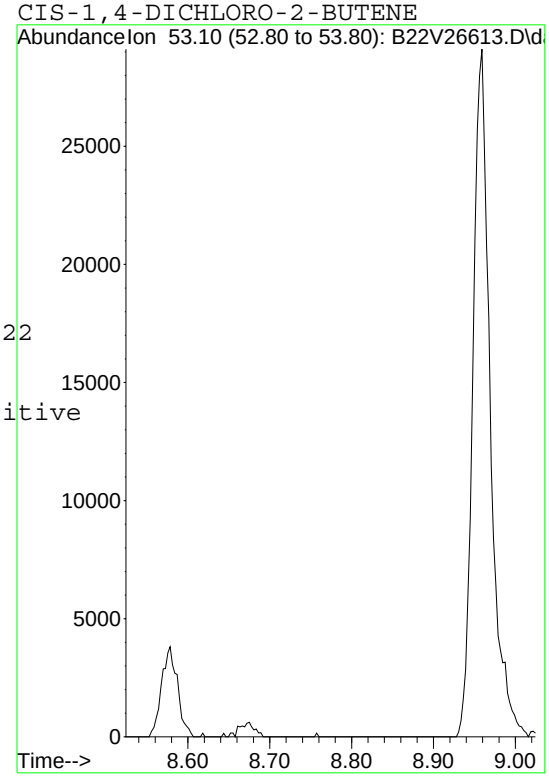
RT : 8.67
Area : 796
Amount: 0

Manual Int. Results
---

Mon Sep 26 07:52:00 2022

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

Manual Integration
CIS-1,4-DICHLORO-2-BUTENE



Data Path : \\Voa2\MSDChem\1\DATA\B092322\
Data File : B22V26614.D
Acq On : 23 Sep 2022 1:56 pm
Operator :
Sample : 8260 STD 50 PPB 2209385 Inst : GCMSVOA2
Misc :
ALS Vial : 14 Sample Multiplier: 1



Quant Time: Sep 26 07:53:35 2022
Quant Method : Y:\1\METHODS\B060920W-RT-UPDATE.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Sep 21 11:30:47 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| 1) PENTAFLUOROBENZENE - ISTD | 3.997 | 168 | 176071 | 30.00 | UG/L | | 0.00 |
| 44) 1,4-DIFLOUROBENZENE - ... | 4.722 | 114 | 267200 | 30.00 | UG/L | | 0.00 |
| 65) CHLOROBENZENE-D5 ISTD | 7.564 | 82 | 144494 | 30.00 | UG/L | | 0.00 |
| 84) 1,4-DICHLOROBENZENE-D4... | 9.860 | 152 | 163913 | 30.00 | UG/L | # | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 2) 1,2-DICHLOROETHANE-D4 SS | 4.276 | 65 | 100609 | 22.17 | UG/L | | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 88.68% | | | | |
| 45) TOLUENE-D8 SS | 6.160 | 98 | 278649 | 24.95 | UG/L | | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 99.80% | | | | |
| 66) 4-BROMOFLUROBENZENE SS | 8.723 | 95 | 118395 | 26.40 | UG/L | | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 105.60% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 3) DICHLORODIFLOUROMETHANE | 1.030 | 85 | 163734 | 45.20 | UG/L | | 96 |
| 4) DIFLUOROCHLOROMETHANE | 1.036 | 51 | 306708 | 61.33 | UG/L | | 94 |
| 5) CHLOROMETHANE | 1.132 | 50 | 307093 | 27.91 | UG/L | | 99 |
| 6) VINYL CHLORIDE | 1.192 | 62 | 213646 | 51.97 | UG/L | | 96 |
| 7) BROMOMETHANE | 1.365 | 94 | 81872 | 73.05 | UG/L | | 83 |
| 8) CHLOROETHANE | 1.425 | 64 | 120923 | 53.66 | UG/L | | 94 |
| 9) FLUORODICHLOROMETHANE | 1.542 | 67 | 263228 | 46.62 | UG/L | | 99 |
| 10) TRICHLOROFLUOROMETHANE | 1.570 | 101 | 215052 | 46.13 | UG/L | | 91 |
| 11) ETHANOL | 0.000 | | 0 | N.D. | d | | |
| 12) DI ETHYL ETHER | 1.746 | 59 | 136802 | 57.59 | UG/L | # | 84 |
| 13) ACROLEIN | 1.843 | 56 | 549816 | 653.07 | UG/L | # | 96 |
| 14) ACETONE | 1.945 | 43 | 696105 | 557.53 | UG/L | | 96 |
| 15) 1,1-DICHLOROETHENE | 1.897 | 61 | 267053 | 56.87 | UG/L | | 91 |
| 16) 1,1,2-TRICL-1,2,2-TRIF... | 1.888 | 101 | 126798 | 56.07 | UG/L | | 100 |
| 17) IODOMETHANE | 2.008 | 142 | 1994725 | 792.15 | UG/L | | 95 |
| 18) METHYL ACETATE | 2.173 | 43 | 247473 | 62.60 | UG/L | # | 92 |
| 19) T-BUTYL ALCOHOL | 2.354 | 59 | 235206 | 536.41 | UG/L | | 94 |
| 20) ACRYLONITRILE | 2.462 | 53 | 94762 | 68.87 | UG/L | | 96 |
| 21) METHYLENE CHLORIDE | 2.249 | 49 | 304250 | 59.37 | UG/L | # | 86 |
| 22) CARBON DISULFIDE | 2.050 | 76 | 3710482 | 497.45 | UG/L | | 100 |
| 23) METHYL TERT-BUTYL ETHE... | 2.462 | 73 | 378291 | 52.26 | UG/L | # | 89 |
| 24) TRANS 1,2-DICHLOROETHENE | 2.460 | 61 | 256797 | 57.63 | UG/L | | 93 |
| 25) 1,1-DICHLOROETHANE | 2.849 | 63 | 298505 | 54.32 | UG/L | | 98 |
| 26) VINYL ACETATE | 2.909 | 43 | 6193285 | 673.69 | UG/L | # | 96 |
| 27) DI ISOPROPYL ETHER | 2.911 | 45 | 796936 | 66.33 | UG/L | # | 91 |
| 28) 2-BUTANONE | 3.480 | 43 | 1113884 | 572.16 | UG/L | # | 91 |
| 29) T-BUTYL ETHYL ETHER | 3.289 | 59 | 604241 | 59.56 | UG/L | | 96 |
| 30) CIS-1,2-DICHLOROETHENE | 3.440 | 61 | 287174 | 54.33 | UG/L | | 93 |
| 31) 2,2-DICHLOROPROPANE | 3.434 | 77 | 216839 | 50.75 | UG/L | | 99 |
| 32) ETHYL ACETATE | 3.542 | 43 | 278234m | 65.12 | UG/L | | |
| 33) BROMOCHLOROMETHANE | 3.687 | 128 | 63160 | 54.91 | UG/L | # | 78 |
| 34) TETRAHYDROFURAN | 3.733 | 42 | 77934 | 63.66 | UG/L | | 93 |
| 35) T-BUTYL FORMATE | 0.000 | | 0 | N.D. | d | | |
| 36) CHLOROFORM | 3.775 | 83 | 237122 | 47.85 | UG/L | | 99 |
| 37) 1,1,1-TRICHLOROETHANE | 3.940 | 97 | 226701 | 50.99 | UG/L | | 96 |
| 38) CYCLOHEXANE | 3.977 | 56 | 409511 | 61.03 | UG/L | | 90 |
| 39) CARBON TETRACHLORIDE | 4.097 | 117 | 207865 | 51.90 | UG/L | | 99 |
| 40) 1,1-DICHLOROPROPENE | 4.105 | 75 | 191870 | 49.86 | UG/L | | 98 |
| 41) BENZENE | 4.315 | 78 | 511058 | 47.91 | UG/L | | 99 |
| 42) T-AMYL ALCOHOL | 0.000 | | 0 | N.D. | d | | |
| 43) T-AMYLMETHYL ETHER | 4.440 | 73 | 391559 | 53.01 | UG/L | | 94 |
| 46) 1,2-DICHLOROETHANE | 4.352 | 62 | 244697 | 57.10 | UG/L | | 94 |
| 47) TRICHLOROETHENE | 4.958 | 95 | 141863 | 54.69 | UG/L | | 97 |

Data Path : \\Voa2\MSDChem\1\DATA\B092322\
Data File : B22V26614.D
Acq On : 23 Sep 2022 1:56 pm
Operator :
Sample : 8260 STD 50 PPB 2209385 Inst : GCMSVOA2
Misc :
ALS Vial : 14 Sample Multiplier: 1



Quant Time: Sep 26 07:53:35 2022
Quant Method : Y:\1\METHODS\B060920W-RT-UPDATE.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Sep 21 11:30:47 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 48) METHYLCYCLOHEXANE | 5.125 | 83 | 249557 | 54.40 UG/L # | 85 |
| 49) 1,2-DICHLOROPROPANE | 5.188 | 63 | 172023 | 59.41 UG/L | 96 |
| 50) DIBROMOMETHANE | 5.304 | 93 | 84885 | 54.65 UG/L | 96 |
| 51) 1,4-DIOXANE | 5.344 | 88 | 18673m | 521.23 UG/L | |
| 52) BROMODICHLOROMETHANE | 5.472 | 83 | 186986 | 54.50 UG/L | 99 |
| 53) 2-CHLOROETHYLVINYLETHER | 5.793 | 63 | 1303870 | 1895.66 UG/L | 87 |
| 54) MIBK | 6.086 | 43 | 2647123 | 668.16 UG/L # | 96 |
| 55) CIS-1,3-DICHLOROPROPENE | 5.913 | 75 | 221752 | 53.06 UG/L # | 84 |
| 56) TOLUENE | 6.222 | 91 | 565342 | 49.81 UG/L | 97 |
| 57) TRANS-1,3,-DICHLOROPRO... | 6.467 | 75 | 195219 | 53.12 UG/L | 87 |
| 58) ETHYL METHACRYLATE | 0.000 | | 0 | N.D. d | |
| 59) 1,1,2-TRICHLOROETHANE | 6.643 | 97 | 116043 | 53.32 UG/L | 99 |
| 60) 2-HEXANONE | 6.907 | 43 | 1931853 | 650.89 UG/L # | 96 |
| 61) TETRACHLOROETHENE | 6.742 | 164 | 130188 | 57.81 UG/L | 97 |
| 62) 1,3-DICHLOROPROPANE | 6.799 | 76 | 210590 | 53.01 UG/L # | 82 |
| 63) DIBROMOCHLOROMETHANE | 7.015 | 129 | 155749 | 59.08 UG/L | 100 |
| 64) 1,2-DIBROMOETHANE | 7.112 | 107 | 131332 | 54.29 UG/L # | 97 |
| 67) CHLOROBENZENE | 7.589 | 112 | 393866 | 53.50 UG/L | 98 |
| 68) 1,1,1,2-TETRACHLOROETHANE | 7.680 | 131 | 153536 | 62.44 UG/L | 98 |
| 69) ETHYLBENZENE | 7.709 | 91 | 682008 | 53.05 UG/L | 99 |
| 70) M/P-XYLENES | 7.825 | 91 | 1068000 | 106.04 UG/L | 97 |
| 71) 0-XYLENE | 8.209 | 91 | 544135 | 52.61 UG/L | 96 |
| 72) STYRENE | 8.232 | 104 | 457403 | 57.74 UG/L | 92 |
| 73) BROMOFORM | 8.405 | 173 | 125847 | 69.14 UG/L # | 99 |
| 74) ISOPROPYLBENZENE | 8.578 | 105 | 728710 | 55.95 UG/L | 99 |
| 75) CIS-1,4-DICHLORO-2-BUTENE | 0.000 | | 0 | N.D. d | |
| 76) 1,1,2,2-TETRACHLOROETHANE | 8.902 | 83 | 182174 | 53.66 UG/L | 100 |
| 77) 1,4-DICHLORO-2-BUTENE(... | 8.959 | 53 | 111729 | 90.18 UG/L | 100 |
| 78) BROMOBENZENE | 8.860 | 77 | 262150 | 55.65 UG/L | 94 |
| 79) 1,2,3-TRICHLOROPROPANE | 8.931 | 110 | 56176 | 60.22 UG/L # | 54 |
| 80) N-PROPYLBENZENE | 8.985 | 91 | 862988 | 53.33 UG/L | 95 |
| 81) 2-CHLOROT0LUENE | 9.056 | 91 | 481265 | 51.92 UG/L | 94 |
| 82) 1,3,5-TRIMETHYLBENZENE | 9.167 | 105 | 620077 | 56.07 UG/L | 97 |
| 83) 4-CHLOROTOLUENE | 9.167 | 91 | 574022 | 53.23 UG/L | 95 |
| 85) TERT-BUTYLBENZENE | 9.479 | 119 | 523329 | 49.79 UG/L | 96 |
| 86) 1,2,4-TRIMETHYLBENZENE | 9.530 | 105 | 604552 | 49.54 UG/L | 96 |
| 87) SEC-BUTYLBENZENE | 9.698 | 105 | 752669 | 47.88 UG/L | 100 |
| 88) 1,3-DICHLOROBENZENE | 9.792 | 146 | 347487 | 50.28 UG/L | 98 |
| 89) P-ISOPROPYLTOLUENE | 9.849 | 119 | 672915 | 50.92 UG/L | 97 |
| 90) 1,4-DICHLOROBENZENE | 9.883 | 146 | 353313 | 49.28 UG/L | 96 |
| 91) 1,2,3-TRIMETHYLBENZENE | 9.942 | 105 | 642234 | 53.83 UG/L # | 100 |
| 92) N-BUTYLBENZENE | 10.252 | 91 | 602210 | 47.27 UG/L | 98 |
| 93) 1,2-DICHLOROBENZENE | 10.247 | 146 | 317256 | 48.05 UG/L | 98 |
| 94) 1,2-DIBROMO-3-CHLOROPR... | 11.031 | 75 | 35442 | 47.83 UG/L | 95 |
| 95) 1,3,5-TRICHLOROBENZENE | 11.224 | 180 | 255087 | 50.80 UG/L | 93 |
| 96) 1,2,4-TRICHLOROBENZENE | 11.838 | 180 | 199207 | 45.29 UG/L | 98 |
| 97) HEXACHLOROBUTADIENE | 12.011 | 225 | 101990 | 44.94 UG/L | 98 |
| 98) NAPHTHALENE | 12.080 | 128 | 443094 | 39.53 UG/L | 99 |
| 99) 1,2,3-TRICHLOROBENZENE | 12.318 | 180 | 160850 | 39.01 UG/L | 94 |

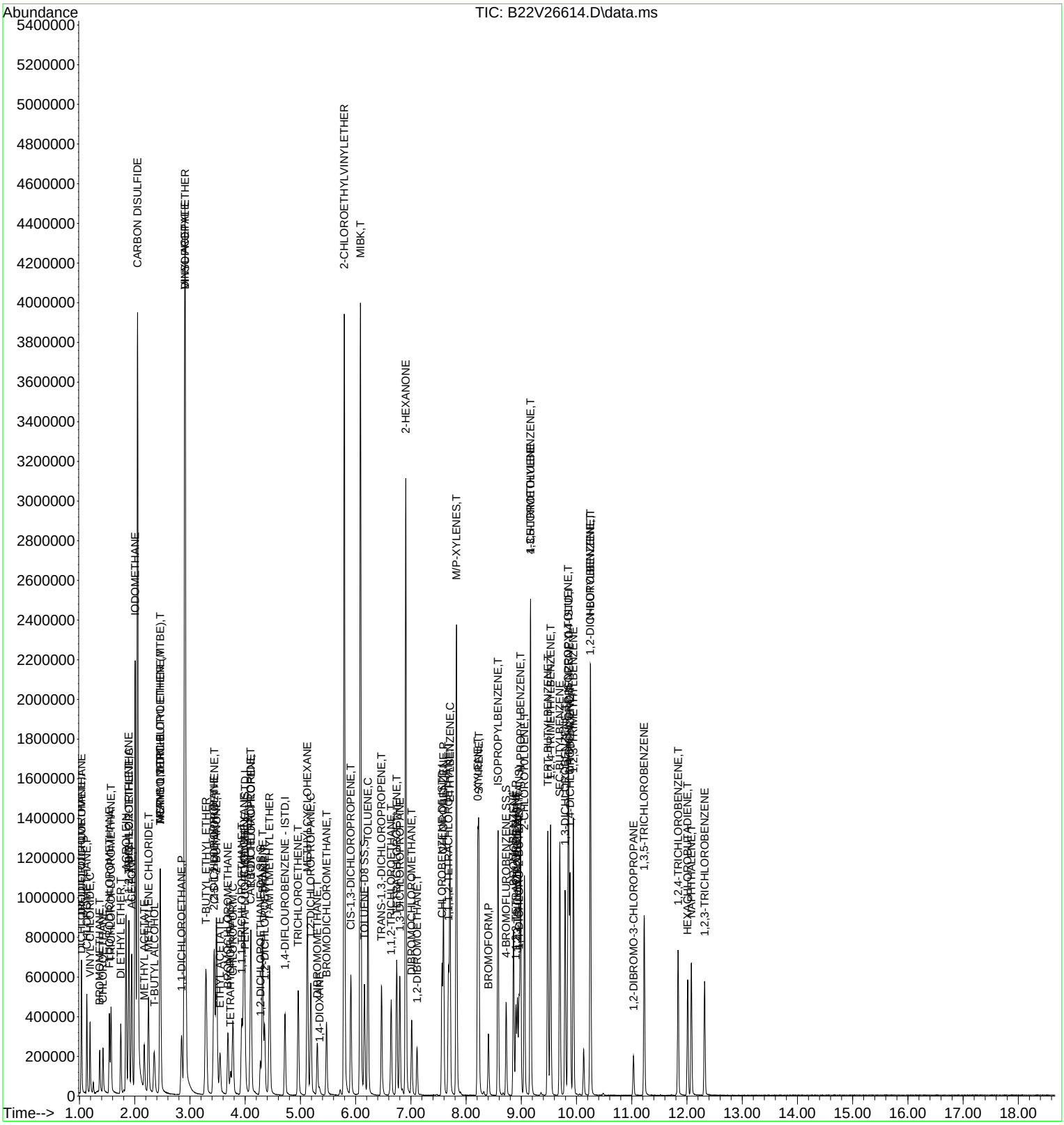
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : \\Voa2\MSDChem\1\DATA\B092322\
Data File : B22V26614.D
Acq On : 23 Sep 2022 1:56 pm
Operator :
Sample : 8260 STD 50 PPB 2209385 Inst : GCMSVOA2
Misc :
ALS Vial : 14 Sample Multiplier: 1



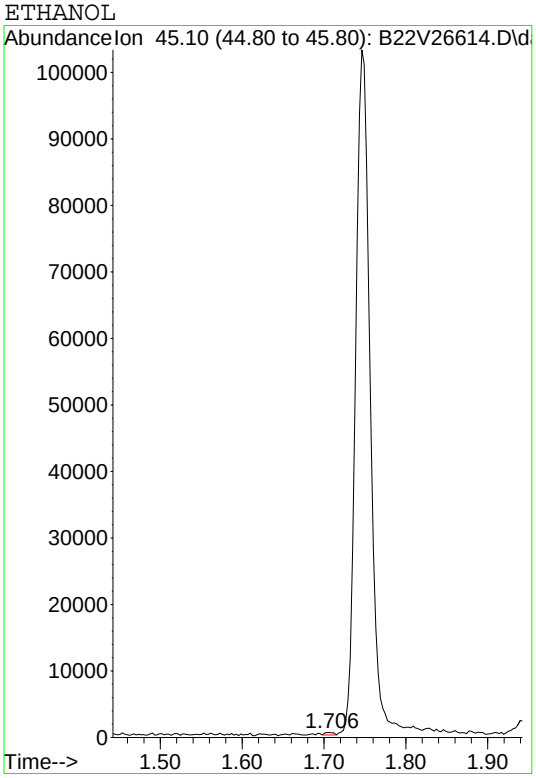
Quant Time: Sep 26 07:53:35 2022
Quant Method : Y:\1\METHODS\B060920W-RT-UPDATE.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Sep 21 11:30:47 2022
Response via : Initial Calibration



Data Path : \\Voa2\MSDChem\1\DATA\B092322\
Data File : B22V26614.D
Acq On : 23 Sep 2022 1:56 pm
Operator :
Sample : 8260 STD 50 PPB 2209385
Misc :

Quant Time : Mon Sep 26 07:53:35 2022
Quant Method : Y:\1\METHODS\B060920W-RT-UPDATE.M
QLast Update : Wed Sep 21 11:30:47 2022

Original Integration
ETHANOL




Original Int. Results
---

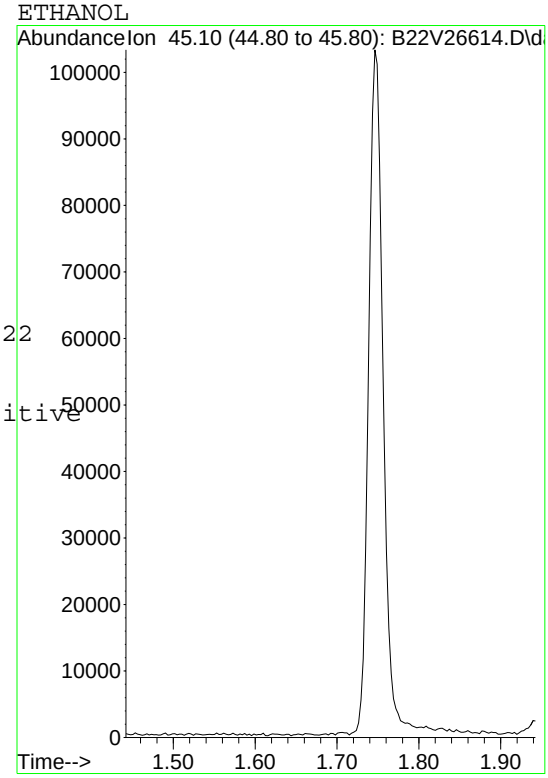
RT : 1.71
Area : 283
Amount: 4.95972

Manual Int. Results
---

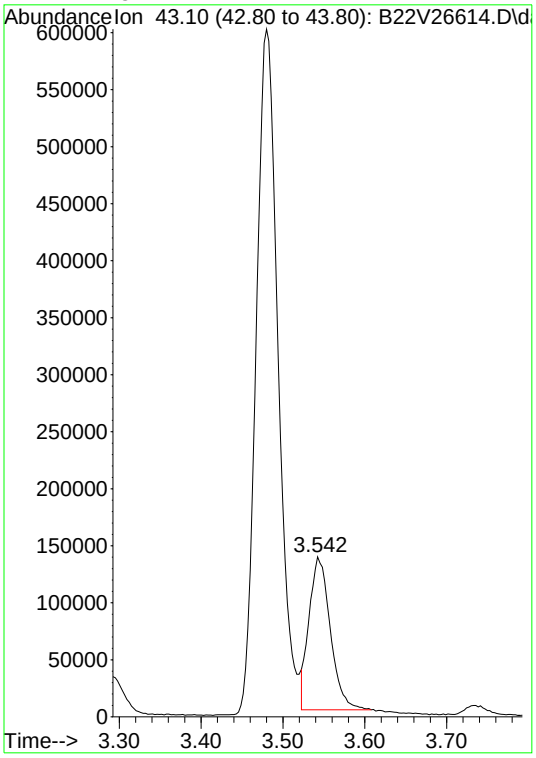
Mon Sep 26 07:52:39 2022

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

Manual Integration
ETHANOL




Original Integration
ETHYL ACETATE




Original Int. Results
---

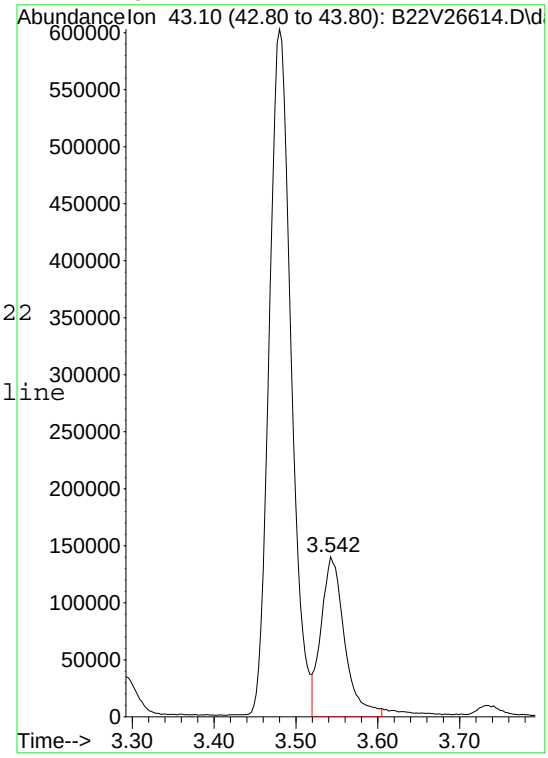
RT : 3.54
Area : 241592
Amount: 56.5407

Manual Int. Results
---

Mon Sep 26 07:52:53 2022

MIuser: LBD
Reason: Incorrect Baseline
RT : 3.54
Area : 278234
Amount: 65.1162

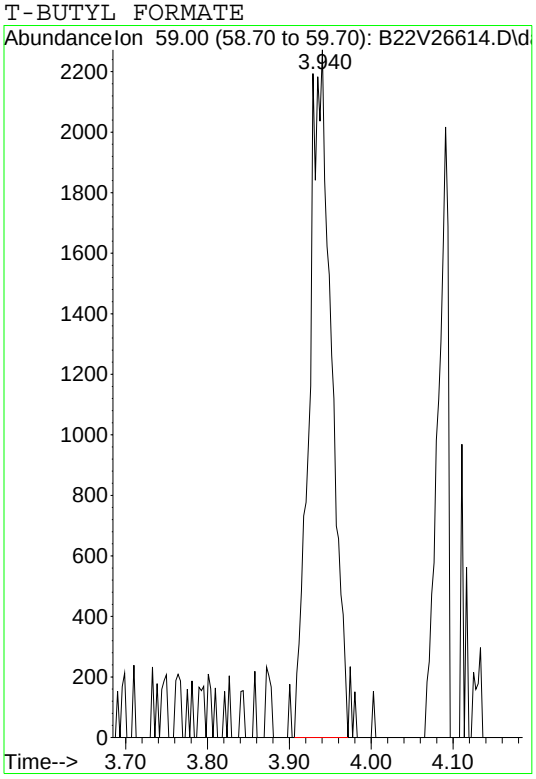
Manual Integration
ETHYL ACETATE



Data Path : \\Voa2\MSDChem\1\DATA\B092322\
Data File : B22V26614.D
Acq On : 23 Sep 2022 1:56 pm
Operator :
Sample : 8260 STD 50 PPB 2209385
Misc :

Quant Time : Mon Sep 26 07:53:35 2022
Quant Method : Y:\1\METHODS\B060920W-RT-UPDATE.M
QLast Update : Wed Sep 21 11:30:47 2022

Original Integration
T-BUTYL FORMATE




Original Int. Results
---

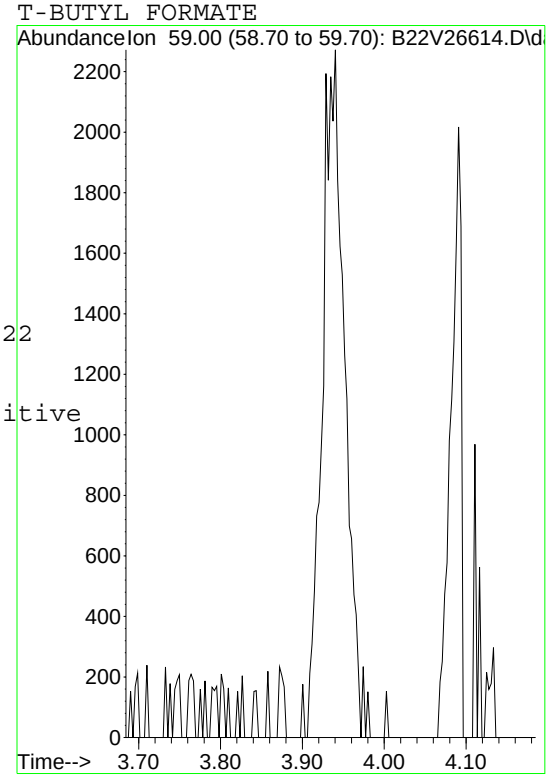
RT : 3.94
Area : 4258
Amount: 1.35977

Manual Int. Results
---

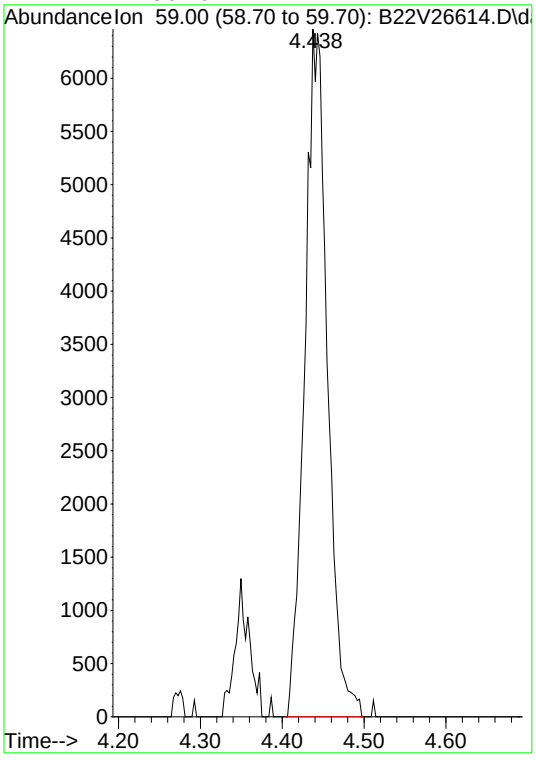
Mon Sep 26 07:52:59 2022

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

Manual Integration
T-BUTYL FORMATE




Original Integration
T-AMYL ALCOHOL




Original Int. Results
---

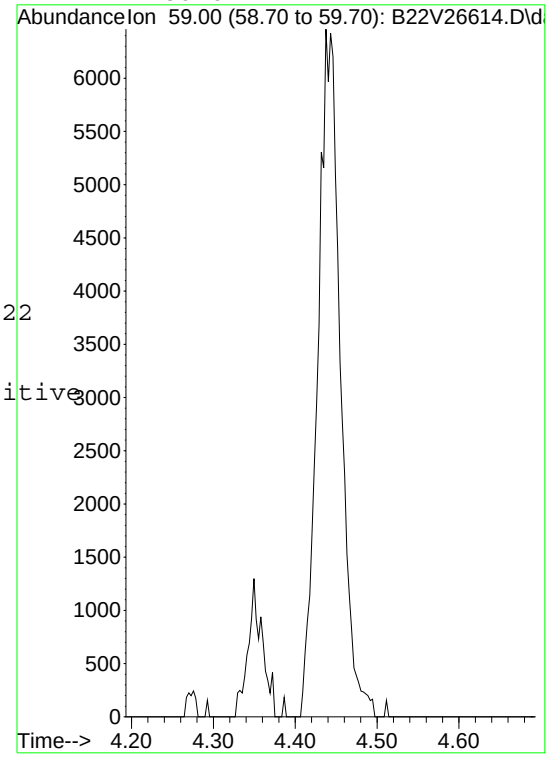
RT : 4.44
Area : 12443
Amount: 38.4006

Manual Int. Results
---

Mon Sep 26 07:53:06 2022

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

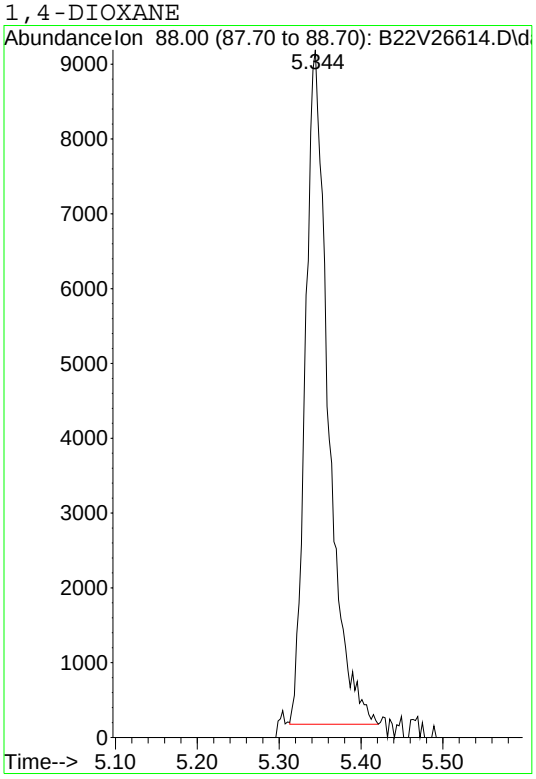
Manual Integration
T-AMYL ALCOHOL



Data Path : \\Voa2\MSDChem\1\DATA\B092322\
Data File : B22V26614.D
Acq On : 23 Sep 2022 1:56 pm
Operator :
Sample : 8260 STD 50 PPB 2209385
Misc :

Quant Time : Mon Sep 26 07:53:35 2022
Quant Method : Y:\1\METHODS\B060920W-RT-UPDATE.M
QLast Update : Wed Sep 21 11:30:47 2022

Original Integration
1,4-DIOXANE




Original Int. Results
---

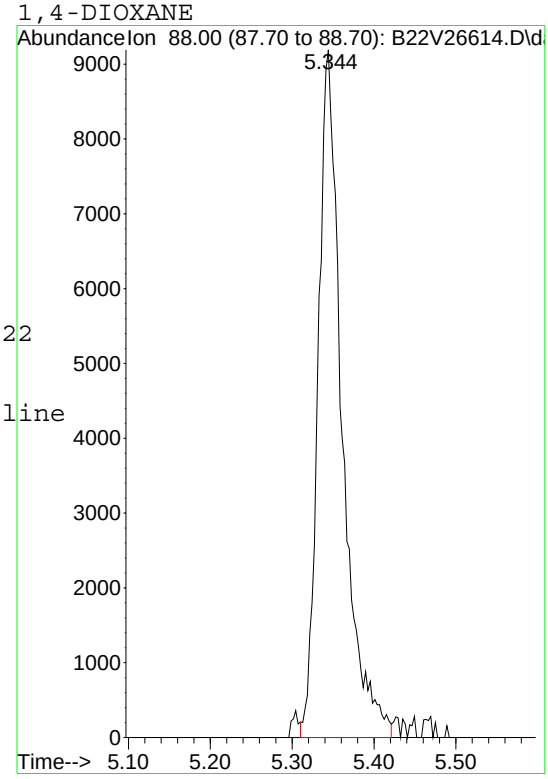
RT : 5.34
Area : 17487
Amount: 488.985

Manual Int. Results
---

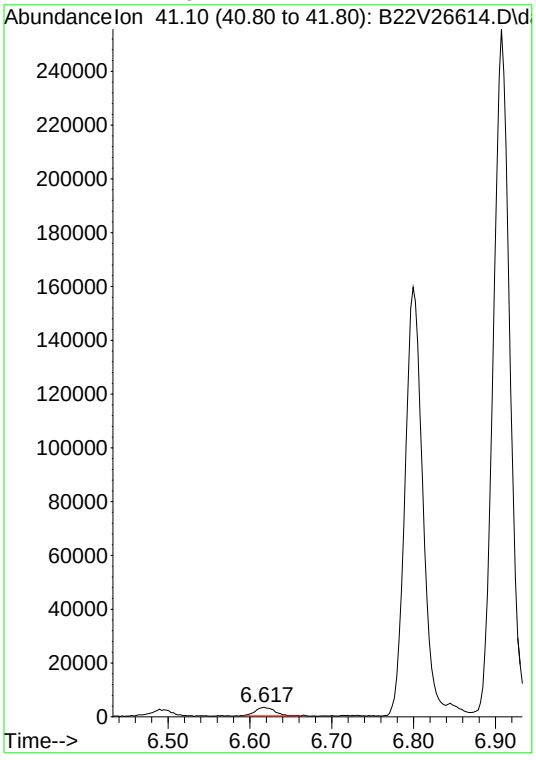
Mon Sep 26 07:53:16 2022

MIuser: LBD
Reason: Incorrect Baseline
RT : 5.34
Area : 18673
Amount: 521.225

Manual Integration
1,4-DIOXANE




Original Integration
ETHYL METHACRYLATE




Original Int. Results
---

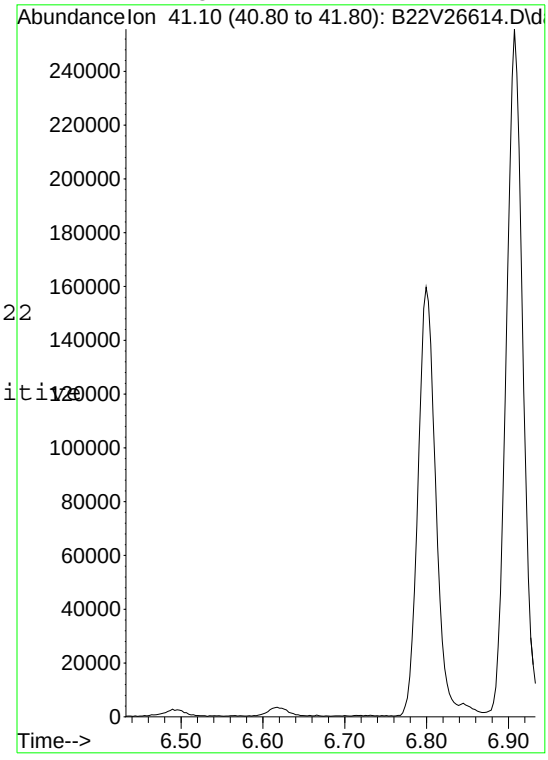
RT : 6.62
Area : 5255
Amount: 0

Manual Int. Results
---

Mon Sep 26 07:53:22 2022

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

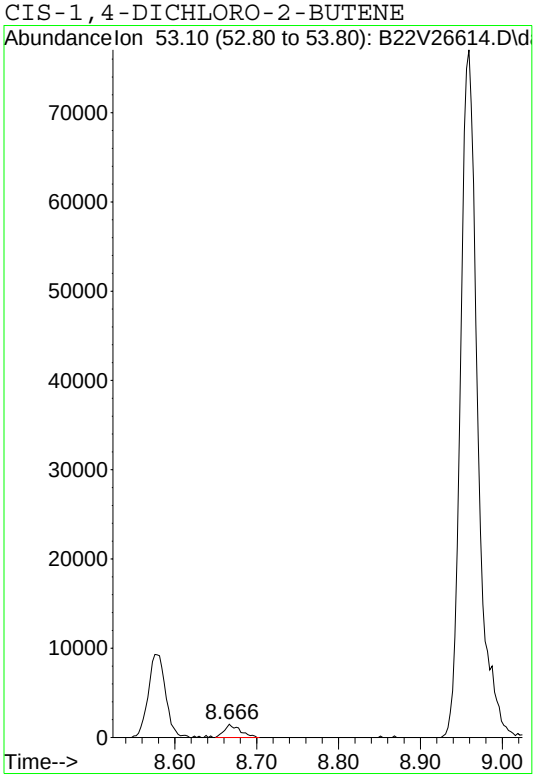
Manual Integration
ETHYL METHACRYLATE



Data Path : \\Voa2\MSDChem\1\DATA\B092322\
Data File : B22V26614.D
Acq On : 23 Sep 2022 1:56 pm
Operator :
Sample : 8260 STD 50 PPB 2209385
Misc :

Quant Time : Mon Sep 26 07:53:35 2022
Quant Method : Y:\1\METHODS\B060920W-RT-UPDATE.M
QLast Update : Wed Sep 21 11:30:47 2022

Original Integration
CIS-1,4-DICHLORO-2-BUTENE




Original Int. Results
---

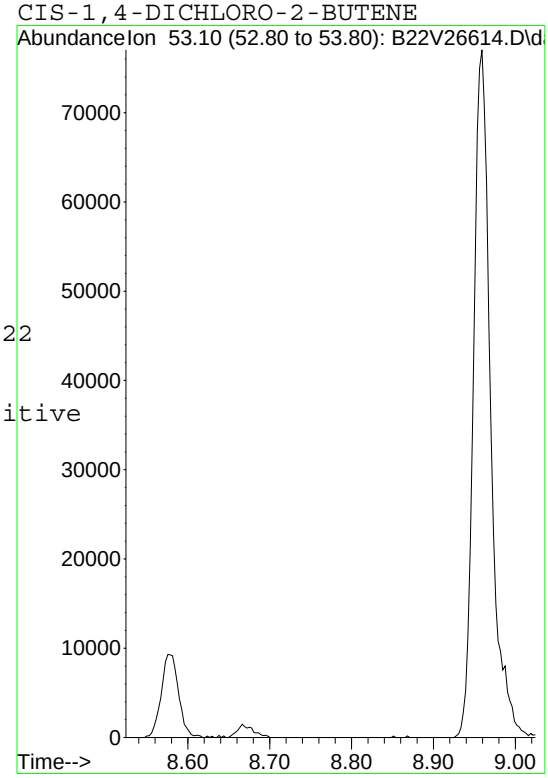
RT : 8.67
Area : 1974
Amount: 0

Manual Int. Results
---

Mon Sep 26 07:53:34 2022

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

Manual Integration
CIS-1,4-DICHLORO-2-BUTENE



Data Path : \\Voa2\MSDChem\1\DATA\B092322\
Data File : B22V26615.D
Acq On : 23 Sep 2022 2:22 pm
Operator :
Sample : 8260 STD 100 PPB 2209385 Inst : GCMSVOA2
Misc :
ALS Vial : 15 Sample Multiplier: 1



Quant Time: Sep 26 07:56:56 2022
Quant Method : Y:\1\METHODS\B060920W-RT-UPDATE.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Sep 21 11:30:47 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) PENTAFLUOROBENZENE - ISTD | 3.997 | 168 | 178292 | 30.00 | UG/L | | 0.00 |
| 44) 1,4-DIFLOUROBENZENE - ... | 4.719 | 114 | 270915 | 30.00 | UG/L | | 0.00 |
| 65) CHLOROBENZENE-D5 ISTD | 7.564 | 82 | 148636 | 30.00 | UG/L | | 0.00 |
| 84) 1,4-DICHLOROBENZENE-D4... | 9.863 | 152 | 162582 | 30.00 | UG/L | # | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 2) 1,2-DICHLOROETHANE-D4 SS | 4.278 | 65 | 100877 | 21.96 | UG/L | | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 87.84% | | | | |
| 45) TOLUENE-D8 SS | 6.163 | 98 | 284851 | 25.15 | UG/L | | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 100.60% | | | | |
| 66) 4-BROMOFLUROBENZENE SS | 8.726 | 95 | 119610 | 25.93 | UG/L | | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 103.72% | | | | |
| Target Compounds | | | | | | | Qvalue |
| 3) DICHLORODIFLOUROMETHANE | 1.030 | 85 | 324167 | 88.38 | UG/L | | 98 |
| 4) DIFLUOROCHLOROMETHANE | 1.036 | 51 | 602604 | 118.99 | UG/L | | 94 |
| 5) CHLOROMETHANE | 1.129 | 50 | 619145 | 55.57 | UG/L | | 99 |
| 6) VINYL CHLORIDE | 1.189 | 62 | 425588 | 102.24 | UG/L | | 96 |
| 7) BROMOMETHANE | 1.363 | 94 | 136971 | 118.65 | UG/L | | 85 |
| 8) CHLOROETHANE | 1.419 | 64 | 238058 | 104.33 | UG/L | | 93 |
| 9) FLUORODICHLOROMETHANE | 1.539 | 67 | 517221 | 90.47 | UG/L | | 99 |
| 10) TRICHLOROFLUOROMETHANE | 1.567 | 101 | 420150 | 89.01 | UG/L | | 90 |
| 11) ETHANOL | 0.000 | | 0 | N.D. | d | | |
| 12) DI ETHYL ETHER | 1.746 | 59 | 276257 | 114.85 | UG/L | # | 86 |
| 13) ACROLEIN | 1.843 | 56 | 1085861 | 1273.72 | UG/L | # | 93 |
| 14) ACETONE | 1.945 | 43 | 1363111 | 1078.15 | UG/L | | 97 |
| 15) 1,1-DICHLOROETHENE | 1.894 | 61 | 527768 | 110.98 | UG/L | | 92 |
| 16) 1,1,2-TRICL-1,2,2-TRIF... | 1.888 | 101 | 247065 | 107.90 | UG/L | | 98 |
| 17) IODOMETHANE | 2.008 | 142 | 3977634 | 1553.97 | UG/L | | 93 |
| 18) METHYL ACETATE | 2.172 | 43 | 483649 | 120.83 | UG/L | # | 92 |
| 19) T-BUTYL ALCOHOL | 2.360 | 59 | 471996 | 1063.02 | UG/L | | 94 |
| 20) ACRYLONITRILE | 2.462 | 53 | 188399 | 135.21 | UG/L | | 96 |
| 21) METHYLENE CHLORIDE | 2.249 | 49 | 604697 | 116.53 | UG/L | # | 86 |
| 22) CARBON DISULFIDE | 2.050 | 76 | 7342196 | 972.07 | UG/L | | 100 |
| 23) METHYL TERT-BUTYL ETHE... | 2.462 | 73 | 750421 | 102.38 | UG/L | # | 86 |
| 24) TRANS 1,2-DICHLOROETHENE | 2.460 | 61 | 518818 | 114.99 | UG/L | | 92 |
| 25) 1,1-DICHLOROETHANE | 2.846 | 63 | 598320 | 107.53 | UG/L | | 98 |
| 26) VINYL ACETATE | 2.911 | 43 | 12074469 | 1297.06 | UG/L | # | 96 |
| 27) DI ISOPROPYL ETHER | 2.914 | 45 | 1603277 | 131.77 | UG/L | # | 90 |
| 28) 2-BUTANONE | 3.483 | 43 | 2232398 | 1132.42 | UG/L | # | 91 |
| 29) T-BUTYL ETHYL ETHER | 3.289 | 59 | 1211241 | 117.91 | UG/L | | 96 |
| 30) CIS-1,2-DICHLOROETHENE | 3.443 | 61 | 579444 | 108.26 | UG/L | | 93 |
| 31) 2,2-DICHLOROPROPANE | 3.432 | 77 | 430946 | 99.60 | UG/L | | 99 |
| 32) ETHYL ACETATE | 3.545 | 43 | 553634m | 127.96 | UG/L | | |
| 33) BROMOCHLOROMETHANE | 3.690 | 128 | 125301 | 107.58 | UG/L | | 79 |
| 34) TETRAHYDROFURAN | 3.736 | 42 | 155712 | 125.61 | UG/L | # | 93 |
| 35) T-BUTYL FORMATE | 0.000 | | 0 | N.D. | d | | |
| 36) CHLOROFORM | 3.778 | 83 | 474644 | 94.59 | UG/L | | 99 |
| 37) 1,1,1-TRICHLOROETHANE | 3.937 | 97 | 446718 | 99.22 | UG/L | | 94 |
| 38) CYCLOHEXANE | 3.977 | 56 | 804768 | 118.45 | UG/L | | 89 |
| 39) CARBON TETRACHLORIDE | 4.094 | 117 | 413913 | 102.07 | UG/L | | 99 |
| 40) 1,1-DICHLOROPROPENE | 4.105 | 75 | 382283 | 98.10 | UG/L | | 98 |
| 41) BENZENE | 4.315 | 78 | 1011208 | 93.61 | UG/L | | 99 |
| 42) T-AMYL ALCOHOL | 0.000 | | 0 | N.D. | d | | |
| 43) T-AMYLMETHYL ETHER | 4.440 | 73 | 783031 | 104.70 | UG/L | | 94 |
| 46) 1,2-DICHLOROETHANE | 4.352 | 62 | 488770 | 112.49 | UG/L | | 93 |
| 47) TRICHLOROETHENE | 4.960 | 95 | 284370 | 108.12 | UG/L | | 97 |

Data Path : \\Voa2\MSDChem\1\DATA\B092322\
Data File : B22V26615.D
Acq On : 23 Sep 2022 2:22 pm
Operator :
Sample : 8260 STD 100 PPB 2209385 Inst : GCMSVOA2
Misc :
ALS Vial : 15 Sample Multiplier: 1



Quant Time: Sep 26 07:56:56 2022
Quant Method : Y:\1\METHODS\B060920W-RT-UPDATE.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Sep 21 11:30:47 2022
Response via : Initial Calibration

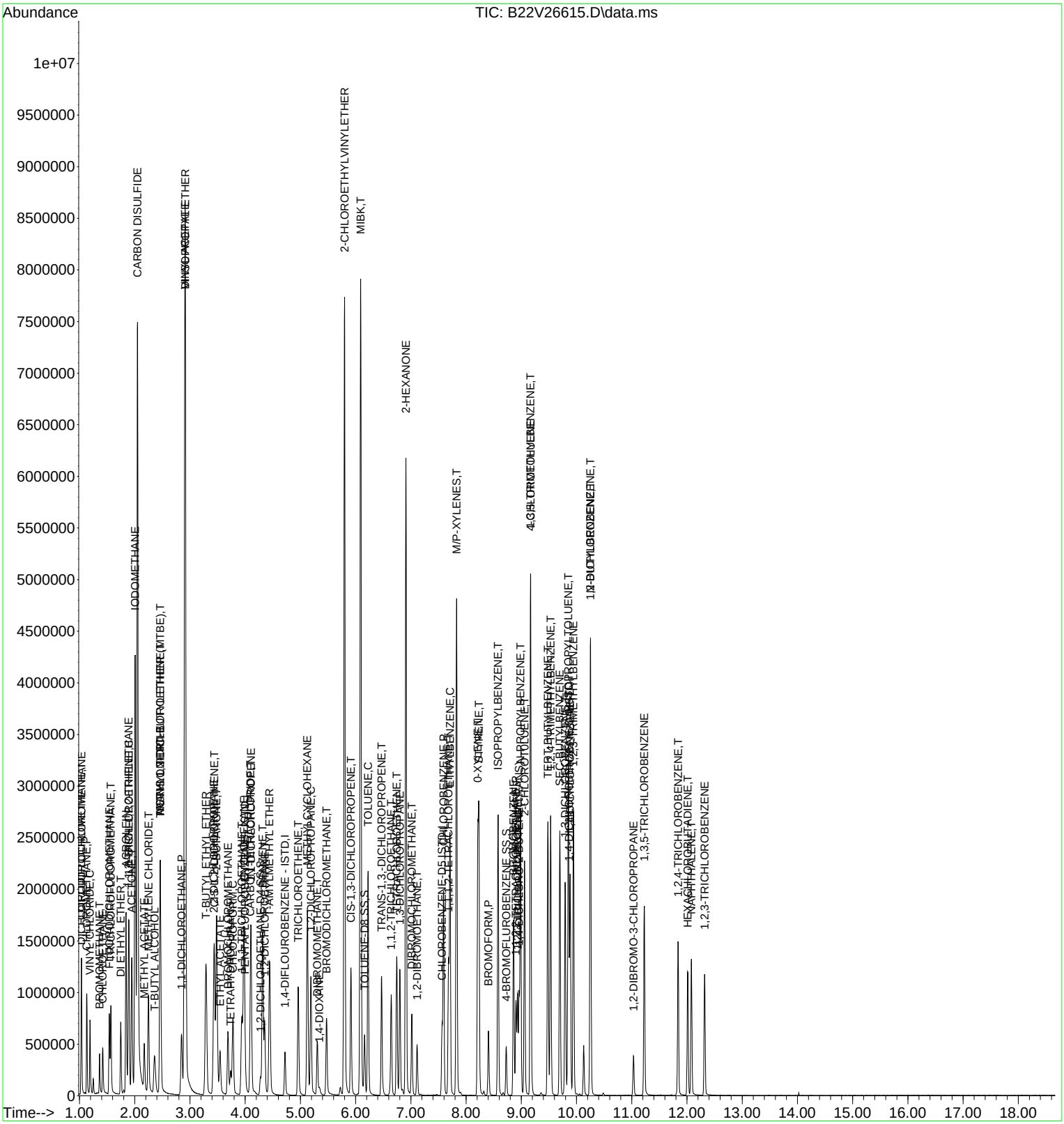
| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 48) METHYLCYCLOHEXANE | 5.125 | 83 | 495987 | 106.63 | UG/L | # | 84 |
| 49) 1,2-DICHLOROPROPANE | 5.191 | 63 | 349511 | 119.04 | UG/L | | 95 |
| 50) DIBROMOMETHANE | 5.304 | 93 | 170884 | 108.51 | UG/L | | 96 |
| 51) 1,4-DIOXANE | 5.341 | 88 | 38611m | 1048.83 | UG/L | | |
| 52) BROMODICHLOROMETHANE | 5.472 | 83 | 380931 | 109.50 | UG/L | | 100 |
| 53) 2-CHLOROETHYLVINYLETHER | 5.799 | 63 | 2549503 | 3655.83 | UG/L | | 87 |
| 54) MIBK | 6.092 | 43 | 5273526 | 1312.84 | UG/L | # | 96 |
| 55) CIS-1,3-DICHLOROPROPENE | 5.915 | 75 | 445960 | 105.25 | UG/L | # | 84 |
| 56) TOLUENE | 6.225 | 91 | 1135081 | 98.63 | UG/L | | 98 |
| 57) TRANS-1,3,-DICHLOROPRO... | 6.470 | 75 | 398710 | 107.00 | UG/L | | 88 |
| 58) ETHYL METHACRYLATE | 0.000 | | 0 | N.D. | d | | |
| 59) 1,1,2-TRICHLOROETHANE | 6.643 | 97 | 234806 | 106.42 | UG/L | | 98 |
| 60) 2-HEXANONE | 6.910 | 43 | 3873386 | 1287.14 | UG/L | # | 96 |
| 61) TETRACHLOROETHENE | 6.742 | 164 | 261924 | 114.72 | UG/L | | 97 |
| 62) 1,3-DICHLOROPROPANE | 6.802 | 76 | 425423 | 105.62 | UG/L | # | 81 |
| 63) DIBROMOCHLOROMETHANE | 7.018 | 129 | 316086 | 118.26 | UG/L | | 100 |
| 64) 1,2-DIBROMOETHANE | 7.112 | 107 | 269416 | 109.85 | UG/L | # | 99 |
| 67) CHLOROBENZENE | 7.592 | 112 | 792923 | 104.71 | UG/L | | 98 |
| 68) 1,1,1,2-TETRACHLOROETHANE | 7.683 | 131 | 310889 | 122.90 | UG/L | | 98 |
| 69) ETHYLBENZENE | 7.709 | 91 | 1361762 | 102.97 | UG/L | | 99 |
| 70) M/P-XYLENES | 7.828 | 91 | 2151040 | 207.61 | UG/L | | 97 |
| 71) 0-XYLENE | 8.212 | 91 | 1102250 | 103.61 | UG/L | | 96 |
| 72) STYRENE | 8.232 | 104 | 931334 | 114.30 | UG/L | | 92 |
| 73) BROMOFORM | 8.405 | 173 | 256954 | 137.23 | UG/L | # | 99 |
| 74) ISOPROPYLBENZENE | 8.578 | 105 | 1451789 | 108.37 | UG/L | | 100 |
| 75) CIS-1,4-DICHLORO-2-BUTENE | 0.000 | | 0 | N.D. | d | | |
| 76) 1,1,2,2-TETRACHLOROETHANE | 8.902 | 83 | 362371 | 103.76 | UG/L | | 100 |
| 77) 1,4-DICHLORO-2-BUTENE(... | 8.959 | 53 | 222782 | 174.81 | UG/L | | 99 |
| 78) BROMOBENZENE | 8.860 | 77 | 526578 | 108.68 | UG/L | | 93 |
| 79) 1,2,3-TRICHLOROPROPANE | 8.934 | 110 | 113073 | 117.84 | UG/L | # | 52 |
| 80) N-PROPYLBENZENE | 8.985 | 91 | 1721901 | 103.45 | UG/L | | 96 |
| 81) 2-CHLOROT0LUENE | 9.059 | 91 | 970083 | 101.73 | UG/L | | 94 |
| 82) 1,3,5-TRIMETHYLBENZENE | 9.167 | 105 | 1243610 | 109.33 | UG/L | | 97 |
| 83) 4-CHLOROTOLUENE | 9.169 | 91 | 1158946 | 104.47 | UG/L | | 95 |
| 85) TERT-BUTYLBENZENE | 9.479 | 119 | 1045866 | 100.33 | UG/L | | 96 |
| 86) 1,2,4-TRIMETHYLBENZENE | 9.530 | 105 | 1212380 | 100.16 | UG/L | | 97 |
| 87) SEC-BUTYLBENZENE | 9.698 | 105 | 1503432 | 96.42 | UG/L | | 100 |
| 88) 1,3-DICHLOROBENZENE | 9.795 | 146 | 695355 | 101.44 | UG/L | | 98 |
| 89) P-ISOPROPYLTOLUENE | 9.851 | 119 | 1341320 | 102.34 | UG/L | | 97 |
| 90) 1,4-DICHLOROBENZENE | 9.886 | 146 | 708018 | 99.56 | UG/L | | 96 |
| 91) 1,2,3-TRIMETHYLBENZENE | 9.945 | 105 | 1278888 | 108.08 | UG/L | # | 100 |
| 92) N-BUTYLBENZENE | 10.252 | 91 | 1201708 | 95.10 | UG/L | | 98 |
| 93) 1,2-DICHLOROBENZENE | 10.249 | 146 | 635946 | 97.10 | UG/L | | 99 |
| 94) 1,2-DIBROMO-3-CHLOROPR... | 11.031 | 75 | 69792 | 94.95 | UG/L | | 93 |
| 95) 1,3,5-TRICHLOROBENZENE | 11.227 | 180 | 513715 | 103.15 | UG/L | | 93 |
| 96) 1,2,4-TRICHLOROBENZENE | 11.838 | 180 | 408381 | 93.60 | UG/L | | 97 |
| 97) HEXACHLOROBUTADIENE | 12.014 | 225 | 209711 | 93.17 | UG/L | | 99 |
| 98) NAPHTHALENE | 12.080 | 128 | 873686 | 78.58 | UG/L | | 99 |
| 99) 1,2,3-TRICHLOROBENZENE | 12.318 | 180 | 324639 | 79.38 | UG/L | | 96 |

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

Data Path : \\Voa2\MSDChem\1\DATA\B092322\
Data File : B22V26615.D
Acq On : 23 Sep 2022 2:22 pm
Operator :
Sample : 8260 STD 100 PPB 2209385 Inst : GCMSVOA2
Misc :
ALS Vial : 15 Sample Multiplier: 1



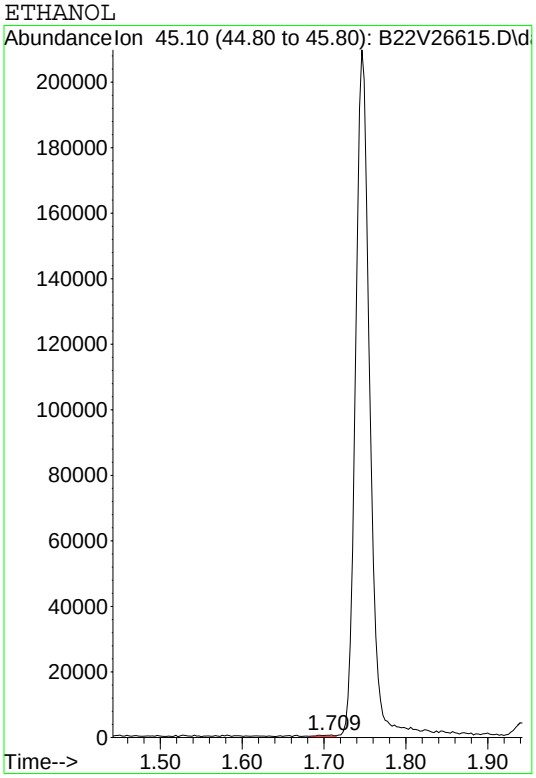
Quant Time: Sep 26 07:56:56 2022
Quant Method : Y:\1\METHODS\B060920W-RT-UPDATE.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Sep 21 11:30:47 2022
Response via : Initial Calibration



Data Path : \\Voa2\MSDChem\1\DATA\B092322\
Data File : B22V26615.D
Acq On : 23 Sep 2022 2:22 pm
Operator :
Sample : 8260 STD 100 PPB 2209385
Misc :

Quant Time : Mon Sep 26 07:56:56 2022
Quant Method : Y:\1\METHODS\B060920W-RT-UPDATE.M
QLast Update : Wed Sep 21 11:30:47 2022

Original Integration
ETHANOL




Original Int. Results
---

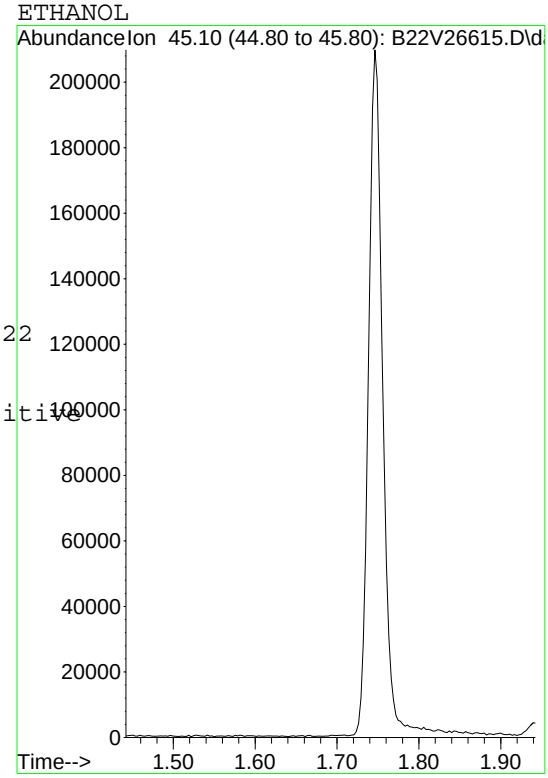
RT : 1.71
Area : 446
Amount: 7.71901

Manual Int. Results
---

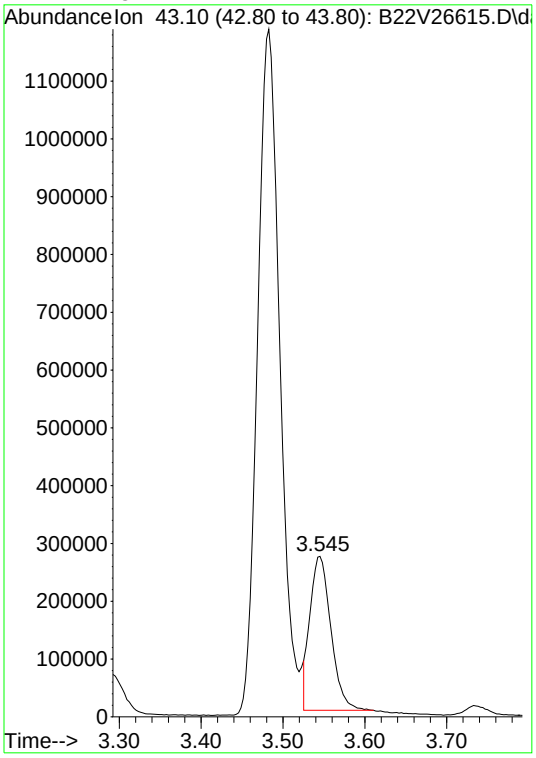
Mon Sep 26 07:54:34 2022

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

Manual Integration
ETHANOL




Original Integration
ETHYL ACETATE




Original Int. Results
---

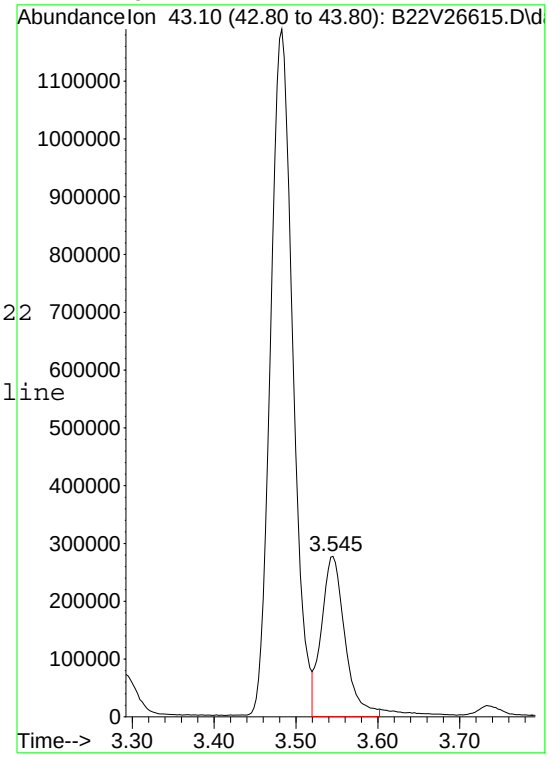
RT : 3.55
Area : 471800
Amount: 109.042

Manual Int. Results
---

Mon Sep 26 07:56:19 2022

MIuser: LBD
Reason: Incorrect Baseline
RT : 3.55
Area : 553634
Amount: 127.955

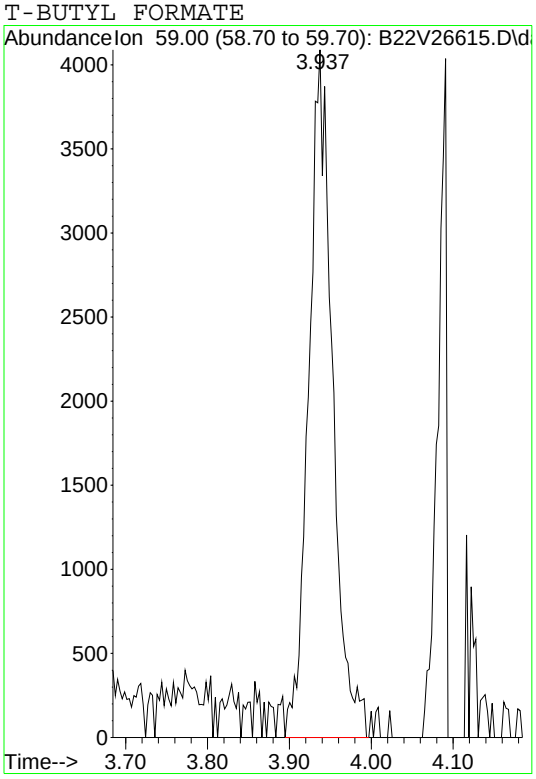
Manual Integration
ETHYL ACETATE



Data Path : \\Voa2\MSDChem\1\DATA\B092322\
Data File : B22V26615.D
Acq On : 23 Sep 2022 2:22 pm
Operator :
Sample : 8260 STD 100 PPB 2209385
Misc :

Quant Time : Mon Sep 26 07:56:56 2022
Quant Method : Y:\1\METHODS\B060920W-RT-UPDATE.M
QLast Update : Wed Sep 21 11:30:47 2022

Original Integration
T-BUTYL FORMATE




Original Int. Results
---

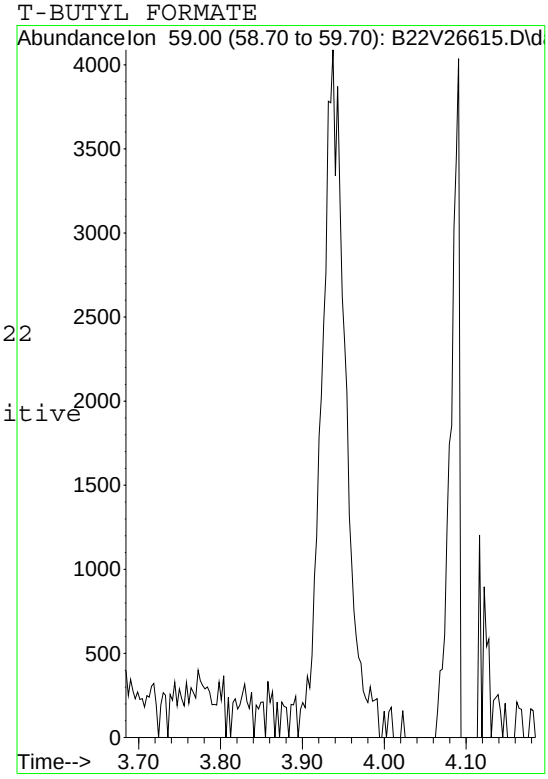
RT : 3.94
Area : 8236
Amount: 2.59736

Manual Int. Results
---

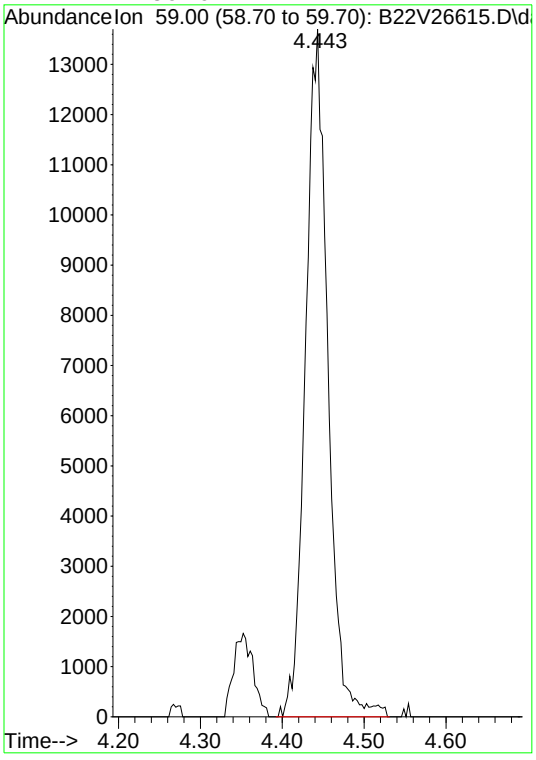
Mon Sep 26 07:56:24 2022

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

Manual Integration
T-BUTYL FORMATE




Original Integration
T-AMYL ALCOHOL




Original Int. Results
---

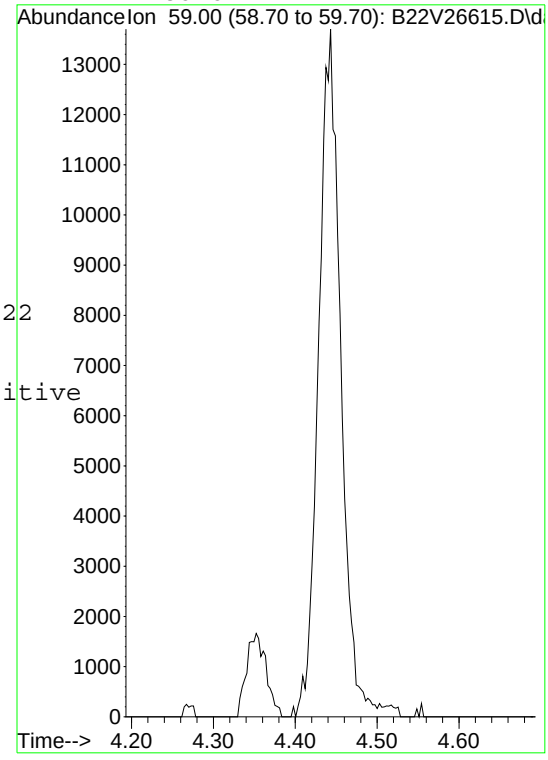
RT : 4.44
Area : 26015
Amount: 79.2852

Manual Int. Results
---

Mon Sep 26 07:56:31 2022

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

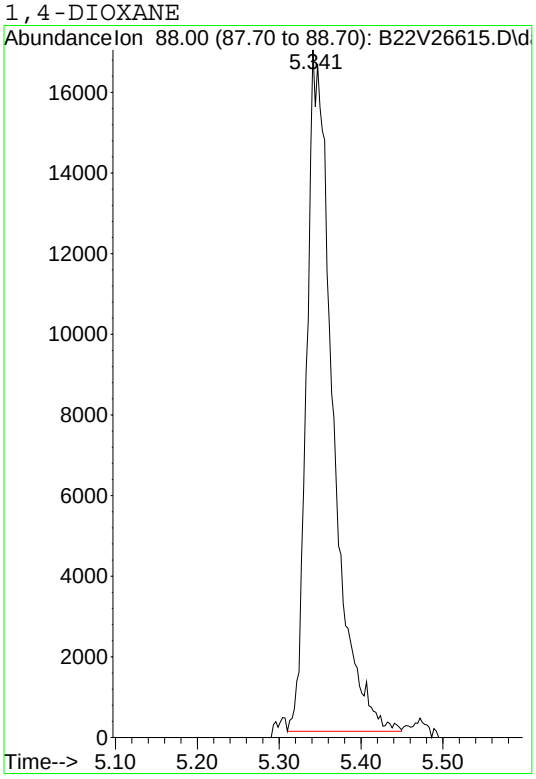
Manual Integration
T-AMYL ALCOHOL



Data Path : \\Voa2\MSDChem\1\DATA\B092322\
Data File : B22V26615.D
Acq On : 23 Sep 2022 2:22 pm
Operator :
Sample : 8260 STD 100 PPB 2209385
Misc :

Quant Time : Mon Sep 26 07:56:56 2022
Quant Method : Y:\1\METHODS\B060920W-RT-UPDATE.M
QLast Update : Wed Sep 21 11:30:47 2022

Original Integration
1,4-DIOXANE




Original Int. Results
---

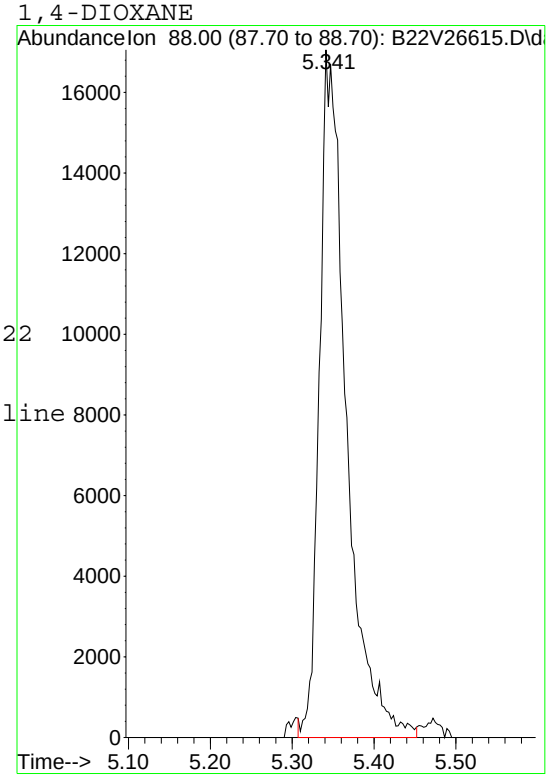
RT : 5.34
Area : 37257
Amount: 1012.53

Manual Int. Results
---

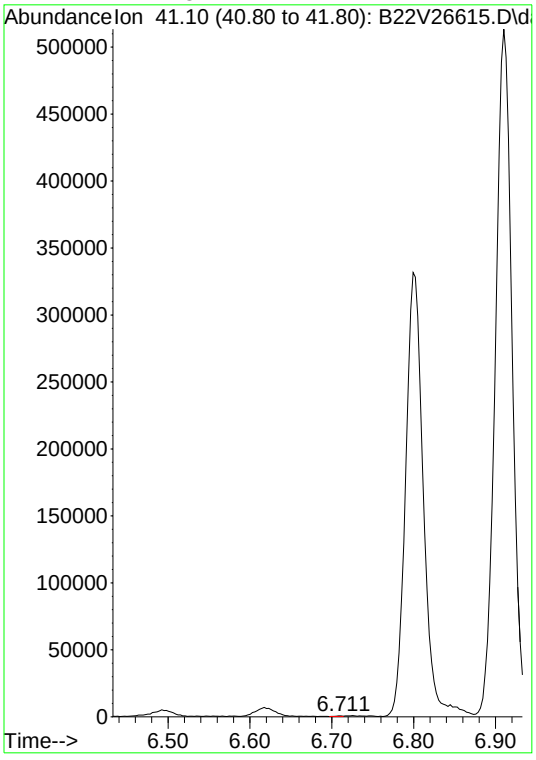
Mon Sep 26 07:56:38 2022

MIuser: LBD
Reason: Incorrect Baseline
RT : 5.34
Area : 38611
Amount: 1048.83

Manual Integration
1,4-DIOXANE




Original Integration
ETHYL METHACRYLATE




Original Int. Results
---

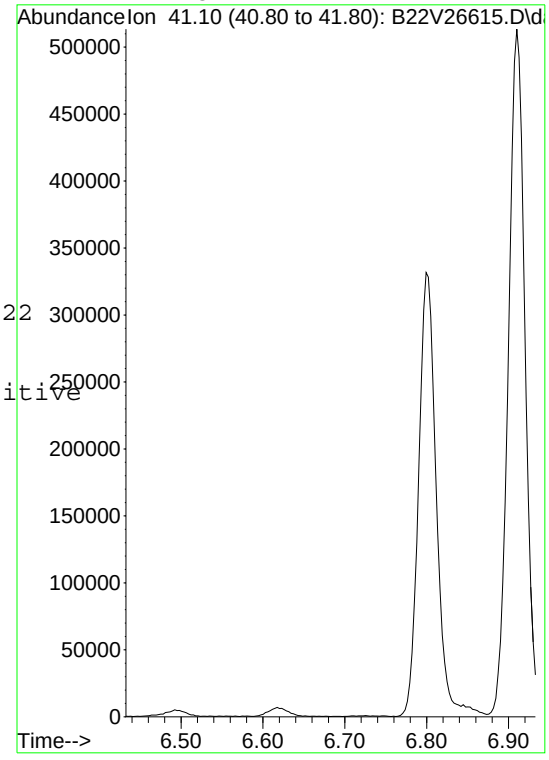
RT : 6.71
Area : 294
Amount: 0

Manual Int. Results
---

Mon Sep 26 07:56:45 2022

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

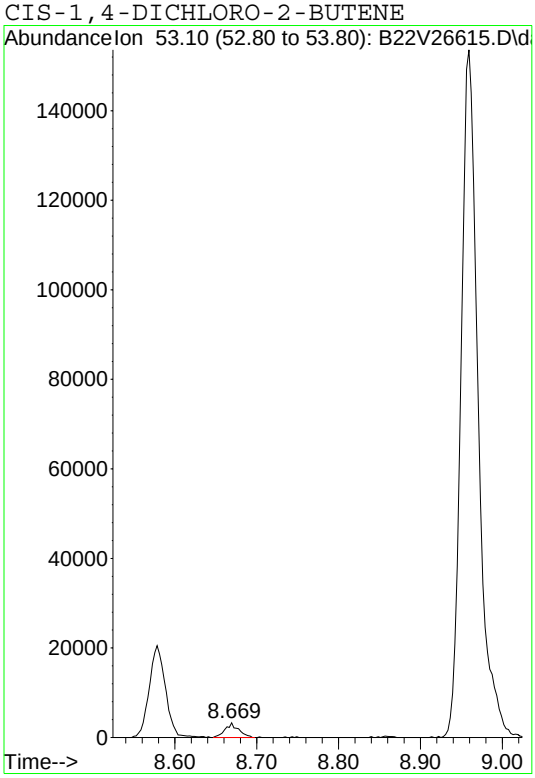
Manual Integration
ETHYL METHACRYLATE



Data Path : \\Voa2\MSDChem\1\DATA\B092322\
Data File : B22V26615.D
Acq On : 23 Sep 2022 2:22 pm
Operator :
Sample : 8260 STD 100 PPB 2209385
Misc :

Quant Time : Mon Sep 26 07:56:56 2022
Quant Method : Y:\1\METHODS\B060920W-RT-UPDATE.M
QLast Update : Wed Sep 21 11:30:47 2022

Original Integration
CIS-1,4-DICHLORO-2-BUTENE




Original Int. Results
---

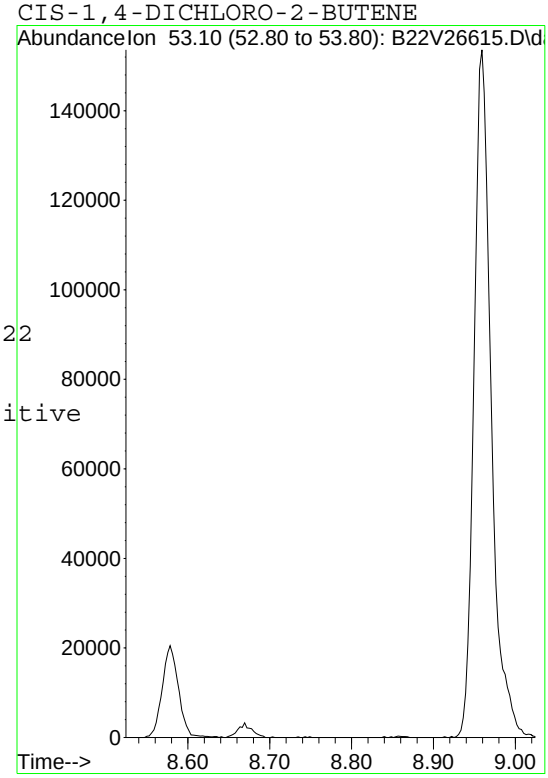
RT : 8.67
Area : 3733
Amount: 0

Manual Int. Results
---

Mon Sep 26 07:56:55 2022

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

Manual Integration
CIS-1,4-DICHLORO-2-BUTENE



Data Path : \\Voa2\MSDChem\1\DATA\B092322\
Data File : B22V26616.D
Acq On : 23 Sep 2022 2:48 pm
Operator :
Sample : 8260 STD 200 PPB 2209385 Inst : GCMSVOA2
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 26 08:07:36 2022
Quant Method : Y:\1\METHODS\B060920W-RT-UPDATE.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Sep 21 11:30:47 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) PENTAFLUOROBENZENE - ISTD | 3.997 | 168 | 178364 | 30.00 | UG/L | | 0.00 |
| 44) 1,4-DIFLOUROBENZENE - ... | 4.722 | 114 | 276970 | 30.00 | UG/L | | 0.00 |
| 65) CHLOROBENZENE-D5 ISTD | 7.564 | 82 | 153764 | 30.00 | UG/L | | 0.00 |
| 84) 1,4-DICHLOROBENZENE-D4... | 9.863 | 152 | 167996 | 30.00 | UG/L | # | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 2) 1,2-DICHLOROETHANE-D4 SS | 4.278 | 65 | 101485 | 22.08 | UG/L | | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 88.32% | | | | |
| 45) TOLUENE-D8 SS | 6.162 | 98 | 289405 | 25.00 | UG/L | | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 100.00% | | | | |
| 66) 4-BROMOFLUROBENZENE SS | 8.729 | 95 | 123868 | 25.96 | UG/L | | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 103.84% | | | | |
| Target Compounds | | | | | | | Qvalue |
| 3) DICHLORODIFLOUROMETHANE | 1.030 | 85 | 631904 | 172.22 | UG/L | | 98 |
| 4) DIFLUOROCHLOROMETHANE | 1.036 | 51 | 1204402 | 237.73 | UG/L | | 94 |
| 5) CHLOROMETHANE | 1.129 | 50 | 1321280 | 118.54 | UG/L | | 97 |
| 6) VINYL CHLORIDE | 1.189 | 62 | 848963 | 203.86 | UG/L | | 96 |
| 7) BROMOMETHANE | 1.362 | 94 | 306471 | 261.50 | UG/L | | 87 |
| 8) CHLOROETHANE | 1.414 | 64 | 430766 | 188.71 | UG/L | | 92 |
| 9) FLUORODICHLOROMETHANE | 1.536 | 67 | 1057248 | 184.84 | UG/L | | 98 |
| 10) TRICHLOROFLUOROMETHANE | 1.564 | 101 | 841688 | 178.24 | UG/L | | 91 |
| 11) ETHANOL | 0.000 | | 0 | N.D. | d | | |
| 12) DI ETHYL ETHER | 1.746 | 59 | 542685 | 225.52 | UG/L | # | 84 |
| 13) ACROLEIN | 1.843 | 56 | 2197759 | 2576.95 | UG/L | # | 93 |
| 14) ACETONE | 1.951 | 43 | 2789107 | 2205.15 | UG/L | | 97 |
| 15) 1,1-DICHLOROETHENE | 1.891 | 61 | 1062800 | 223.40 | UG/L | | 92 |
| 16) 1,1,2-TRICL-1,2,2-TRIF... | 1.885 | 101 | 489127 | 213.53 | UG/L | | 97 |
| 17) IODOMETHANE | 2.005 | 142 | 7415059 | 2890.40 | UG/L | | 92 |
| 18) METHYL ACETATE | 2.175 | 43 | 977270 | 244.04 | UG/L | # | 92 |
| 19) T-BUTYL ALCOHOL | 2.368 | 59 | 862026m | 1940.66 | UG/L | | |
| 20) ACRYLONITRILE | 2.468 | 53 | 393282 | 282.14 | UG/L | | 97 |
| 21) METHYLENE CHLORIDE | 2.249 | 49 | 1226541 | 236.26 | UG/L | # | 86 |
| 22) CARBON DISULFIDE | 2.047 | 76 | 15197159 | 2011.22 | UG/L | | 100 |
| 23) METHYL TERT-BUTYL ETHE... | 2.465 | 73 | 1497639 | 204.24 | UG/L | # | 84 |
| 24) TRANS 1,2-DICHLOROETHENE | 2.459 | 61 | 1033032 | 228.86 | UG/L | | 93 |
| 25) 1,1-DICHLOROETHANE | 2.849 | 63 | 1203401 | 216.19 | UG/L | | 97 |
| 26) VINYL ACETATE | 0.000 | | 0 | N.D. | d | | |
| 27) DI ISOPROPYL ETHER | 2.920 | 45 | 3181328 | 261.36 | UG/L | # | 91 |
| 28) 2-BUTANONE | 3.488 | 43 | 4590925 | 2327.88 | UG/L | # | 92 |
| 29) T-BUTYL ETHYL ETHER | 3.292 | 59 | 2458263 | 239.20 | UG/L | | 96 |
| 30) CIS-1,2-DICHLOROETHENE | 3.443 | 61 | 1171871 | 218.86 | UG/L | | 93 |
| 31) 2,2-DICHLOROPROPANE | 3.431 | 77 | 858256 | 198.28 | UG/L | | 100 |
| 32) ETHYL ACETATE | 3.548 | 43 | 1172789m | 270.94 | UG/L | | |
| 33) BROMOCHLOROMETHANE | 3.690 | 128 | 215553 | 184.99 | UG/L | | 80 |
| 34) TETRAHYDROFURAN | 3.741 | 42 | 321487 | 259.22 | UG/L | # | 92 |
| 35) T-BUTYL FORMATE | 0.000 | | 0 | N.D. | d | | |
| 36) CHLOROFORM | 3.778 | 83 | 948580 | 188.96 | UG/L | | 99 |
| 37) 1,1,1-TRICHLOROETHANE | 3.940 | 97 | 897210 | 199.20 | UG/L | | 94 |
| 38) CYCLOHEXANE | 3.977 | 56 | 1607946 | 236.56 | UG/L | # | 88 |
| 39) CARBON TETRACHLORIDE | 4.096 | 117 | 832419 | 205.19 | UG/L | | 99 |
| 40) 1,1-DICHLOROPROPENE | 4.108 | 75 | 765187 | 196.28 | UG/L | | 98 |
| 41) BENZENE | 4.315 | 78 | 2020862 | 187.00 | UG/L | | 99 |
| 42) T-AMYL ALCOHOL | 0.000 | | 0 | N.D. | d | | |
| 43) T-AMYLMETHYL ETHER | 4.446 | 73 | 1582787 | 211.54 | UG/L | | 93 |
| 46) 1,2-DICHLOROETHANE | 4.355 | 62 | 993019 | 223.55 | UG/L | | 92 |
| 47) TRICHLOROETHENE | 4.960 | 95 | 575232 | 213.92 | UG/L | | 97 |

Data Path : \\Voa2\MSDChem\1\DATA\B092322\
Data File : B22V26616.D
Acq On : 23 Sep 2022 2:48 pm
Operator :
Sample : 8260 STD 200 PPB 2209385 Inst : GCMSVOA2
Misc :
ALS Vial : 16 Sample Multiplier: 1



Quant Time: Sep 26 08:07:36 2022
Quant Method : Y:\1\METHODS\B060920W-RT-UPDATE.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Sep 21 11:30:47 2022
Response via : Initial Calibration

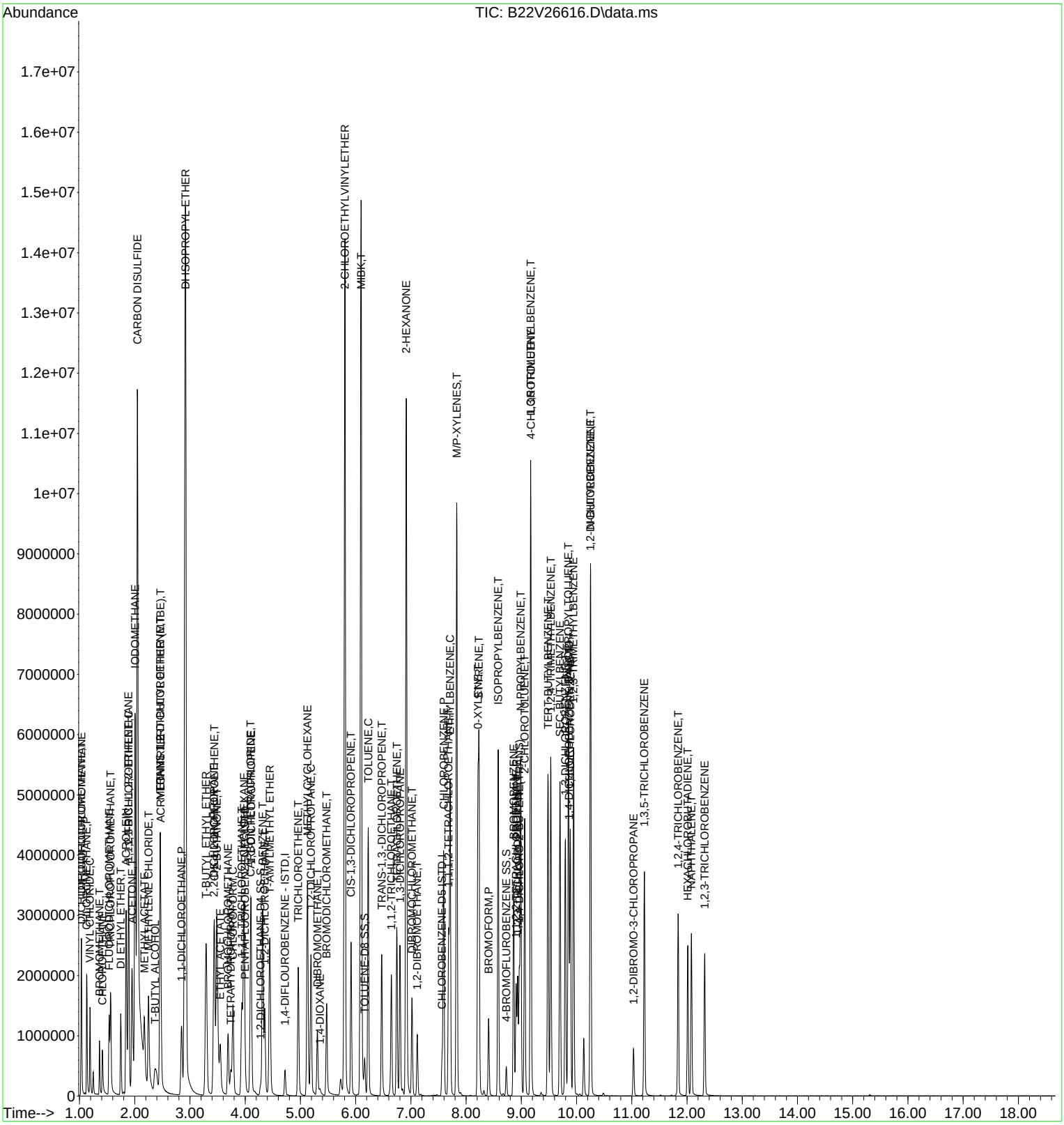
| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 48) METHYLCYCLOHEXANE | 5.128 | 83 | 990207 | 208.23 | UG/L | # | 83 |
| 49) 1,2-DICHLOROPROPANE | 5.191 | 63 | 709457 | 236.36 | UG/L | | 95 |
| 50) DIBROMOMETHANE | 5.307 | 93 | 345533 | 214.62 | UG/L | | 96 |
| 51) 1,4-DIOXANE | 5.355 | 88 | 81679m | 2155.66 | UG/L | | |
| 52) BROMODICHLOROMETHANE | 5.475 | 83 | 776877 | 218.43 | UG/L | | 100 |
| 53) 2-CHLOROETHYLVINYLETHER | 5.807 | 63 | 5040679 | 7070.00 | UG/L | | 87 |
| 54) MIBK | 6.097 | 43 | 10786523 | 2626.59 | UG/L | # | 97 |
| 55) CIS-1,3-DICHLOROPROPENE | 5.915 | 75 | 915310 | 211.30 | UG/L | # | 84 |
| 56) TOLUENE | 6.228 | 91 | 2294248 | 194.99 | UG/L | | 98 |
| 57) TRANS-1,3,-DICHLOROPRO... | 6.472 | 75 | 829794 | 217.81 | UG/L | | 87 |
| 58) ETHYL METHACRYLATE | 0.000 | | 0 | N.D. | d | | |
| 59) 1,1,2-TRICHLOROETHANE | 6.646 | 97 | 484622 | 214.83 | UG/L | | 99 |
| 60) 2-HEXANONE | 6.916 | 43 | 7908403 | 2570.54 | UG/L | # | 97 |
| 61) TETRACHLOROETHENE | 6.745 | 164 | 536333 | 229.77 | UG/L | | 98 |
| 62) 1,3-DICHLOROPROPANE | 6.805 | 76 | 876818 | 212.94 | UG/L | # | 80 |
| 63) DIBROMOCHLOROMETHANE | 7.021 | 129 | 663326 | 242.75 | UG/L | | 100 |
| 64) 1,2-DIBROMOETHANE | 7.115 | 107 | 558175 | 222.61 | UG/L | # | 99 |
| 67) CHLOROBENZENE | 7.595 | 112 | 1639461 | 209.28 | UG/L | | 97 |
| 68) 1,1,1,2-TETRACHLOROETHANE | 7.683 | 131 | 653880 | 249.87 | UG/L | | 98 |
| 69) ETHYLBENZENE | 7.711 | 91 | 2800046 | 204.66 | UG/L | | 99 |
| 70) M/P-XYLENES | 7.831 | 91 | 4427750 | 413.10 | UG/L | | 97 |
| 71) 0-XYLENE | 8.214 | 91 | 2268995 | 206.16 | UG/L | | 96 |
| 72) STYRENE | 8.234 | 104 | 1933445 | 229.37 | UG/L | | 92 |
| 73) BROMOFORM | 8.408 | 173 | 536321 | 276.87 | UG/L | # | 100 |
| 74) ISOPROPYLBENZENE | 8.581 | 105 | 2994837 | 216.10 | UG/L | | 99 |
| 75) CIS-1,4-DICHLORO-2-BUTENE | 0.000 | | 0 | N.D. | d | | |
| 76) 1,1,2,2-TETRACHLOROETHANE | 8.905 | 83 | 742589 | 205.54 | UG/L | | 100 |
| 77) 1,4-DICHLORO-2-BUTENE(... | 8.962 | 53 | 464987 | 352.69 | UG/L | | 99 |
| 78) BROMOBENZENE | 8.862 | 77 | 1102364 | 219.92 | UG/L | | 95 |
| 79) 1,2,3-TRICHLOROPROPANE | 8.936 | 110 | 230710 | 232.41 | UG/L | # | 52 |
| 80) N-PROPYLBENZENE | 8.990 | 91 | 3528305 | 204.91 | UG/L | | 95 |
| 81) 2-CHLOROT0LUENE | 9.061 | 91 | 1996927 | 202.44 | UG/L | | 94 |
| 82) 1,3,5-TRIMETHYLBENZENE | 9.169 | 105 | 2530484 | 215.04 | UG/L | | 96 |
| 83) 4-CHLOROTOLUENE | 9.172 | 91 | 2381959 | 207.55 | UG/L | | 96 |
| 85) TERT-BUTYLBENZENE | 9.482 | 119 | 2133664 | 198.08 | UG/L | | 96 |
| 86) 1,2,4-TRIMETHYLBENZENE | 9.533 | 105 | 2479547 | 198.25 | UG/L | | 96 |
| 87) SEC-BUTYLBENZENE | 9.701 | 105 | 3065582 | 190.27 | UG/L | | 100 |
| 88) 1,3-DICHLOROBENZENE | 9.797 | 146 | 1422463 | 200.83 | UG/L | | 98 |
| 89) P-ISOPROPYLTOLUENE | 9.851 | 119 | 2742886 | 202.53 | UG/L | | 97 |
| 90) 1,4-DICHLOROBENZENE | 9.888 | 146 | 1458209 | 198.44 | UG/L | | 96 |
| 91) 1,2,3-TRIMETHYLBENZENE | 9.945 | 105 | 2624994 | 214.68 | UG/L | # | 100 |
| 92) N-BUTYLBENZENE | 10.255 | 91 | 2463137 | 188.64 | UG/L | | 98 |
| 93) 1,2-DICHLOROBENZENE | 10.249 | 146 | 1284853 | 189.85 | UG/L | | 99 |
| 94) 1,2-DIBROMO-3-CHLOROPR... | 11.031 | 75 | 146729 | 193.20 | UG/L | | 94 |
| 95) 1,3,5-TRICHLOROBENZENE | 11.227 | 180 | 1065208 | 206.99 | UG/L | | 93 |
| 96) 1,2,4-TRICHLOROBENZENE | 11.841 | 180 | 830061 | 184.11 | UG/L | | 97 |
| 97) HEXACHLOROBUTADIENE | 12.014 | 225 | 432443 | 185.94 | UG/L | | 98 |
| 98) NAPHTHALENE | 12.079 | 128 | 1759159 | 153.12 | UG/L | | 99 |
| 99) 1,2,3-TRICHLOROBENZENE | 12.321 | 180 | 658094 | 155.73 | UG/L | | 94 |

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

Data Path : \\Voa2\MSDChem\1\DATA\B092322\
Data File : B22V26616.D
Acq On : 23 Sep 2022 2:48 pm
Operator :
Sample : 8260 STD 200 PPB 2209385 Inst : GCMSVOA2
Misc :
ALS Vial : 16 Sample Multiplier: 1



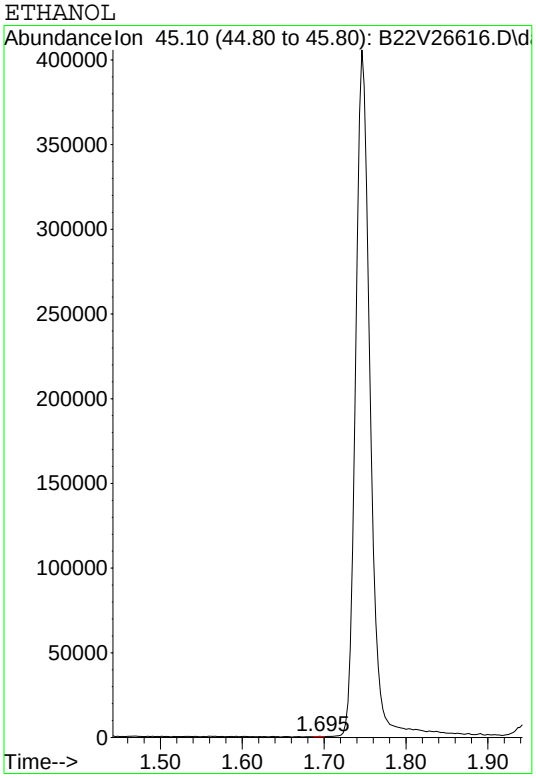
Quant Time: Sep 26 08:07:36 2022
Quant Method : Y:\1\METHODS\B060920W-RT-UPDATE.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Sep 21 11:30:47 2022
Response via : Initial Calibration



Data Path : \\Voa2\MSDChem\1\DATA\B092322\
Data File : B22V26616.D
Acq On : 23 Sep 2022 2:48 pm
Operator :
Sample : 8260 STD 200 PPB 2209385
Misc :

Quant Time : Mon Sep 26 08:07:36 2022
Quant Method : Y:\1\METHODS\B060920W-RT-UPDATE.M
QLast Update : Wed Sep 21 11:30:47 2022

Original Integration
ETHANOL




Original Int. Results
---

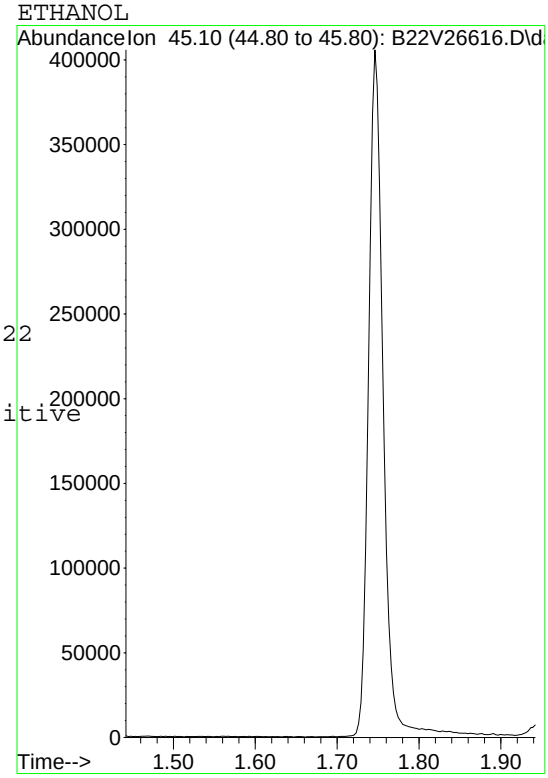
RT : 1.69
Area : 124
Amount: 2.14523

Manual Int. Results
---

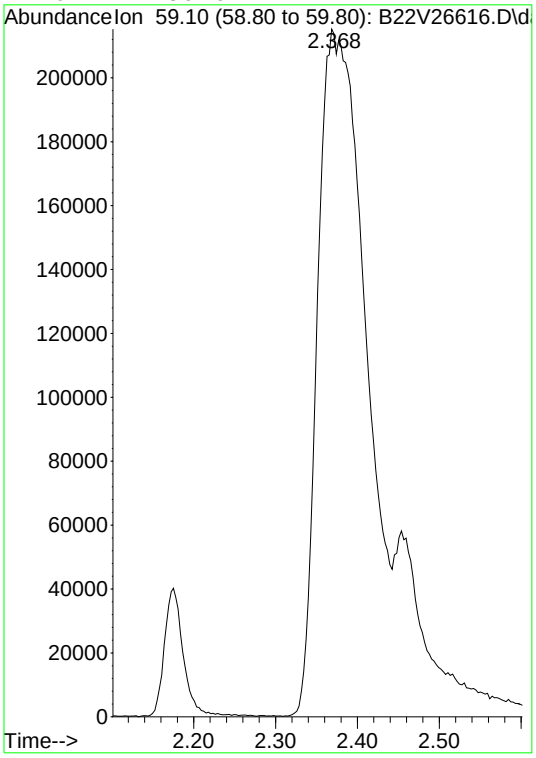
Mon Sep 26 08:05:17 2022

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

Manual Integration
ETHANOL




Original Integration
T-BUTYL ALCOHOL




Original Int. Results
---

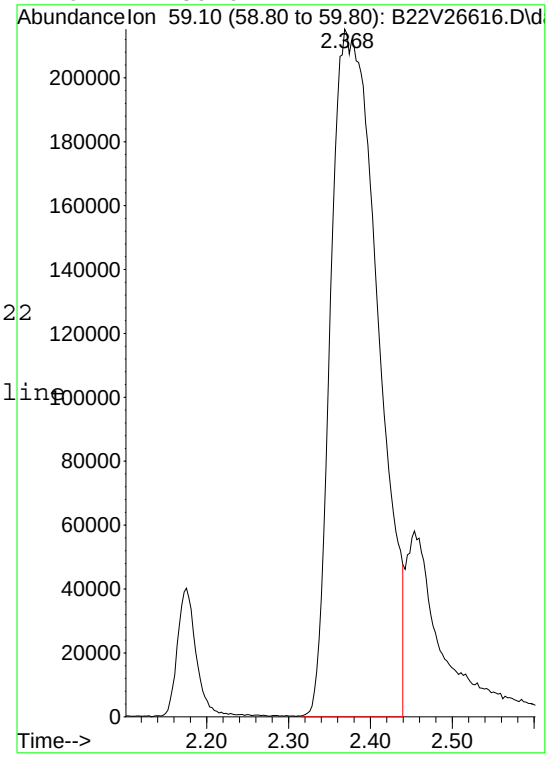
RT : 2.37
Area : 1.04521e+006
Amount: 2353.06

Manual Int. Results
---

Mon Sep 26 08:05:49 2022

MIuser: LBD
Reason: Incorrect Baseline
RT : 2.37
Area : 862026
Amount: 1940.66

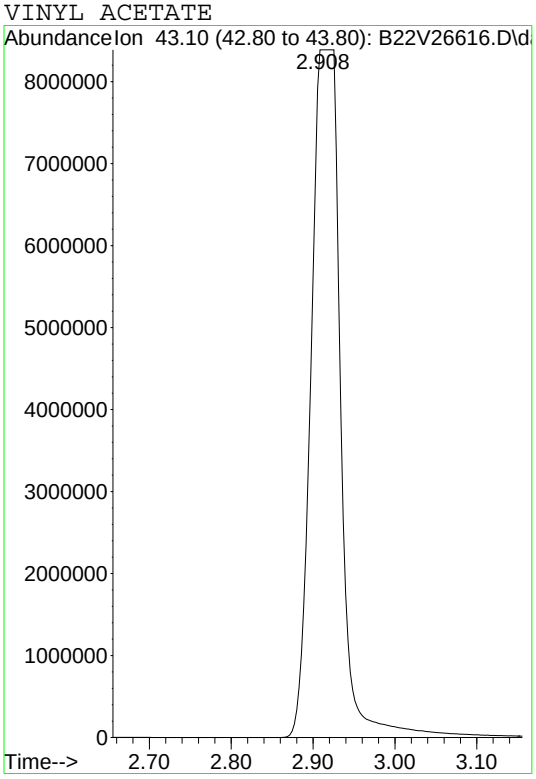
Manual Integration
T-BUTYL ALCOHOL



Data Path : \\Voa2\MSDChem\1\DATA\B092322\
Data File : B22V26616.D
Acq On : 23 Sep 2022 2:48 pm
Operator :
Sample : 8260 STD 200 PPB 2209385
Misc :

Quant Time : Mon Sep 26 08:07:36 2022
Quant Method : Y:\1\METHODS\B060920W-RT-UPDATE.M
QLast Update : Wed Sep 21 11:30:47 2022

Original Integration
VINYL ACETATE




Original Int. Results
---

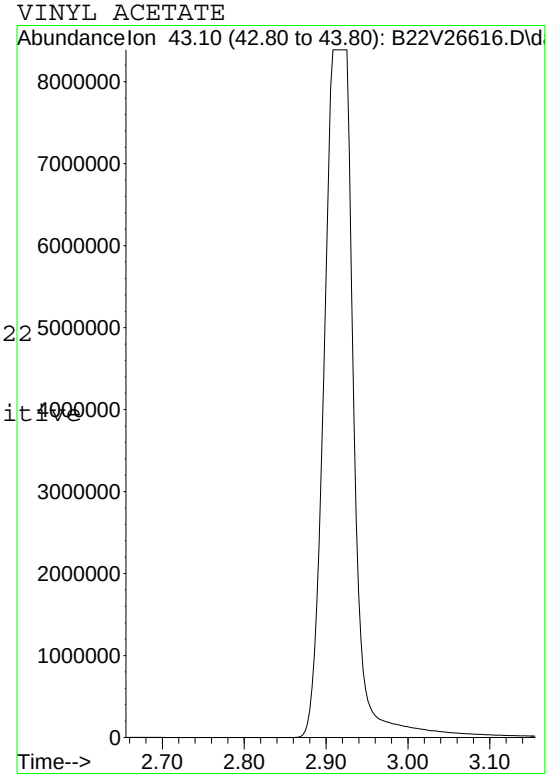
RT : 2.91
Area : 2.10106e+007
Amount: 2256.09

Manual Int. Results
---

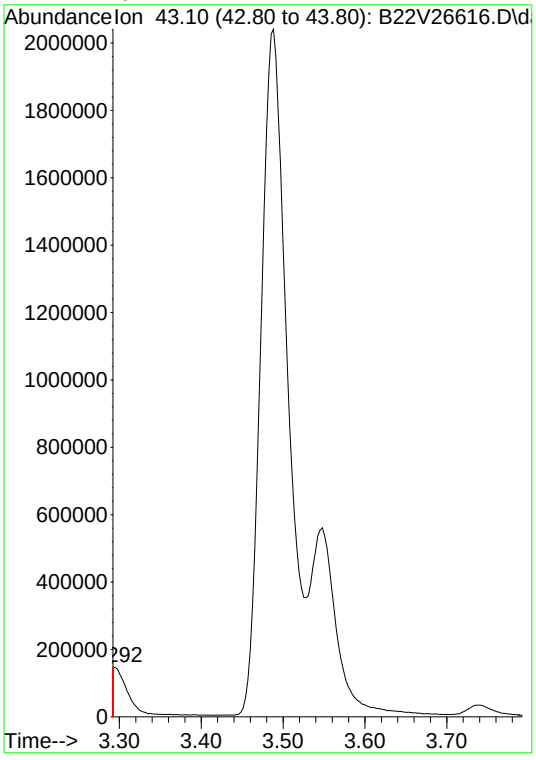
Mon Sep 26 08:06:01 2022

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

Manual Integration
VINYL ACETATE




Original Integration
ETHYL ACETATE




Original Int. Results
---

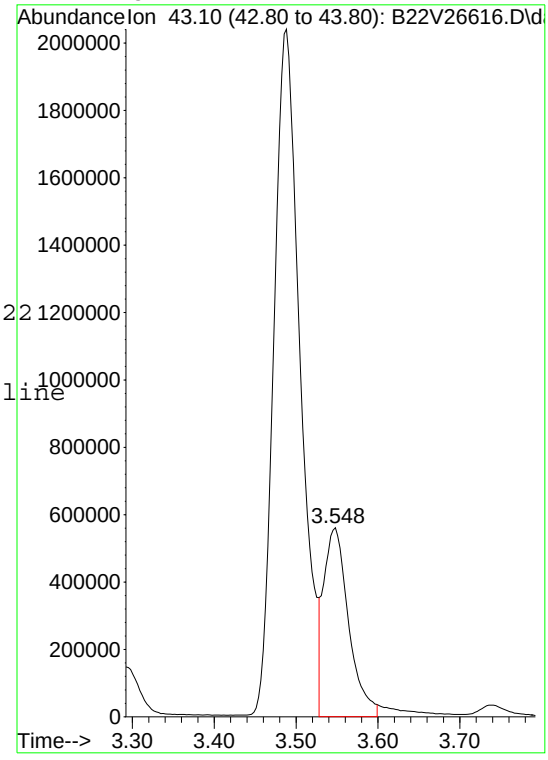
RT : 0.00
Area : 0
Amount: 0

Manual Int. Results
---

Mon Sep 26 08:06:46 2022

MIuser: LBD
Reason: Incorrect Baseline
RT : 3.55
Area : 1.17279e+006
Amount: 270.944

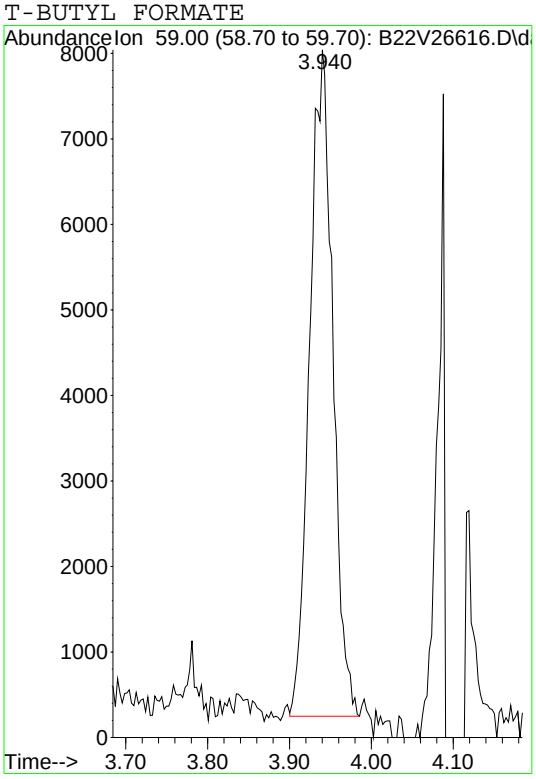
Manual Integration
ETHYL ACETATE



Data Path : \\Voa2\MSDChem\1\DATA\B092322\
Data File : B22V26616.D
Acq On : 23 Sep 2022 2:48 pm
Operator :
Sample : 8260 STD 200 PPB 2209385
Misc :

Quant Time : Mon Sep 26 08:07:36 2022
Quant Method : Y:\1\METHODS\B060920W-RT-UPDATE.M
QLast Update : Wed Sep 21 11:30:47 2022

Original Integration
T-BUTYL FORMATE




Original Int. Results
---

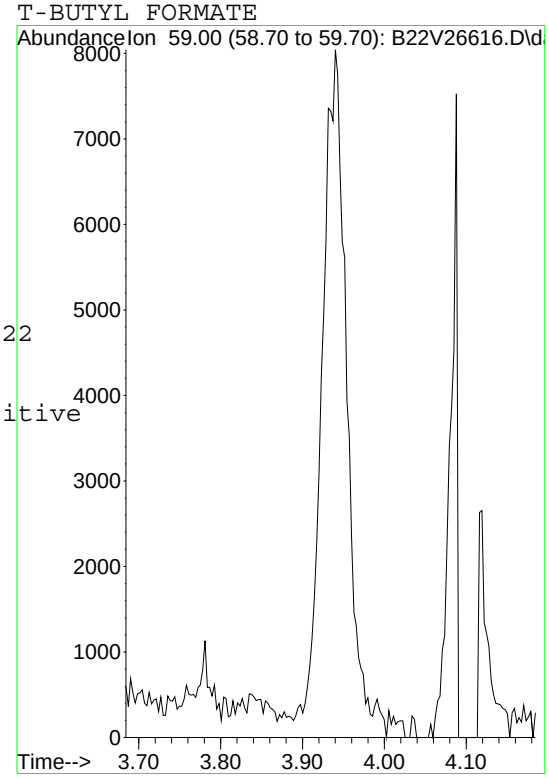
RT : 3.94
Area : 15292
Amount: 4.82063

Manual Int. Results
---

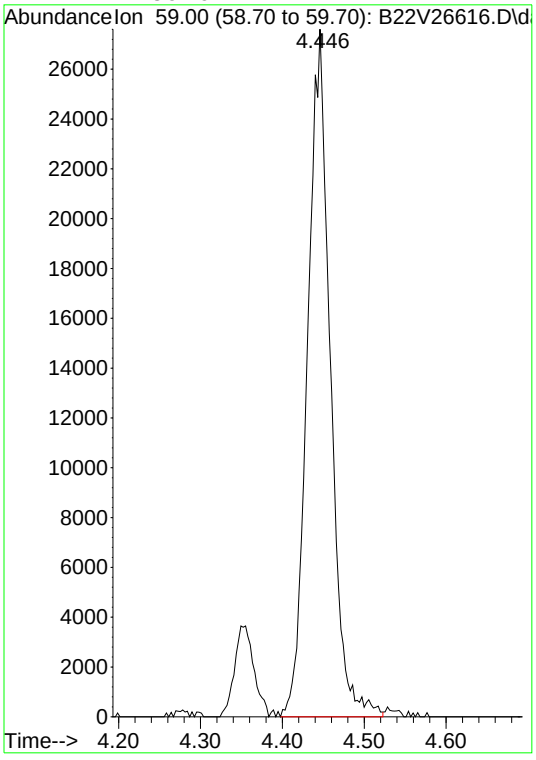
Mon Sep 26 08:06:55 2022

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

Manual Integration
T-BUTYL FORMATE




Original Integration
T-AMYL ALCOHOL




Original Int. Results
---

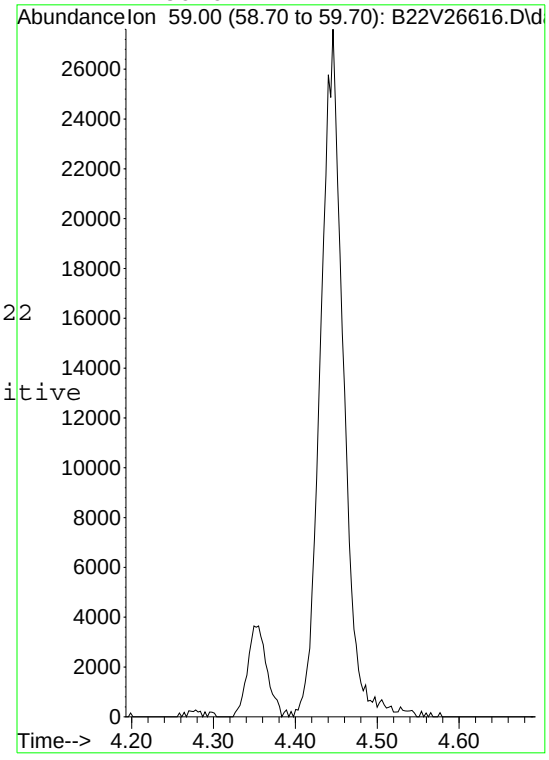
RT : 4.45
Area : 53256
Amount: 162.241

Manual Int. Results
---

Mon Sep 26 08:07:03 2022

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

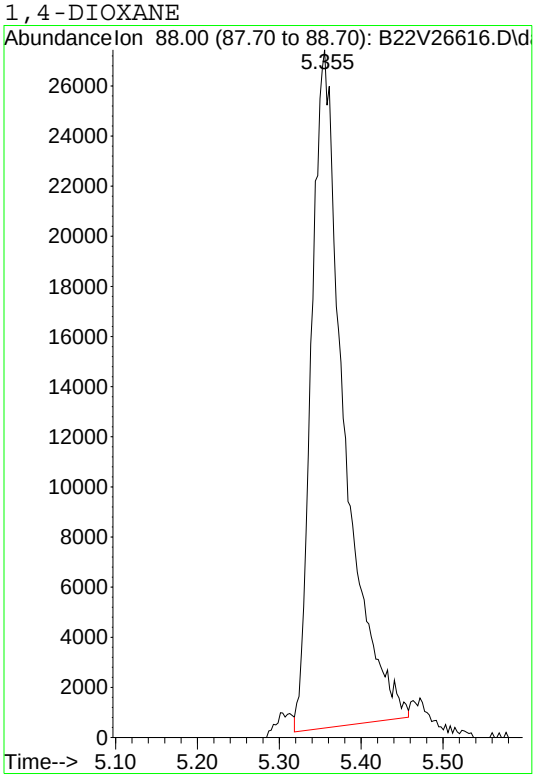
Manual Integration
T-AMYL ALCOHOL



Data Path : \\Voa2\MSDChem\1\DATA\B092322\
Data File : B22V26616.D
Acq On : 23 Sep 2022 2:48 pm
Operator :
Sample : 8260 STD 200 PPB 2209385
Misc :

Quant Time : Mon Sep 26 08:07:36 2022
Quant Method : Y:\1\METHODS\B060920W-RT-UPDATE.M
QLast Update : Wed Sep 21 11:30:47 2022

Original Integration
1,4-DIOXANE




Original Int. Results
---

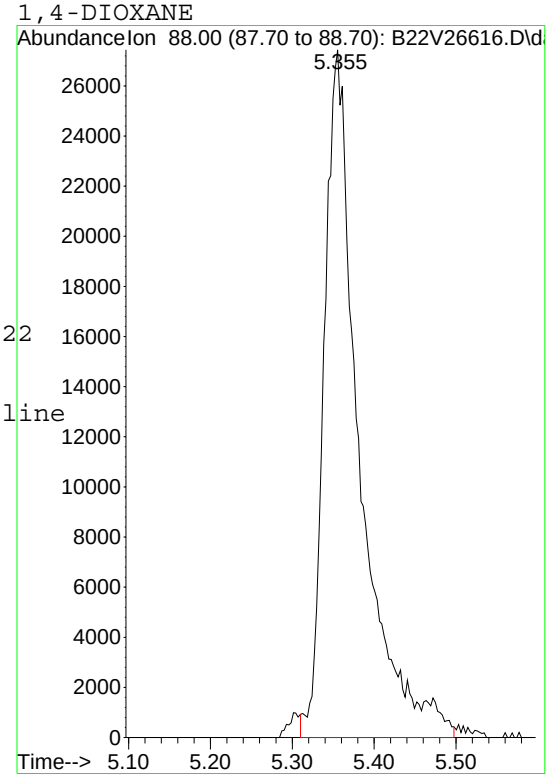
RT : 5.36
Area : 74478
Amount: 1966.82

Manual Int. Results
---

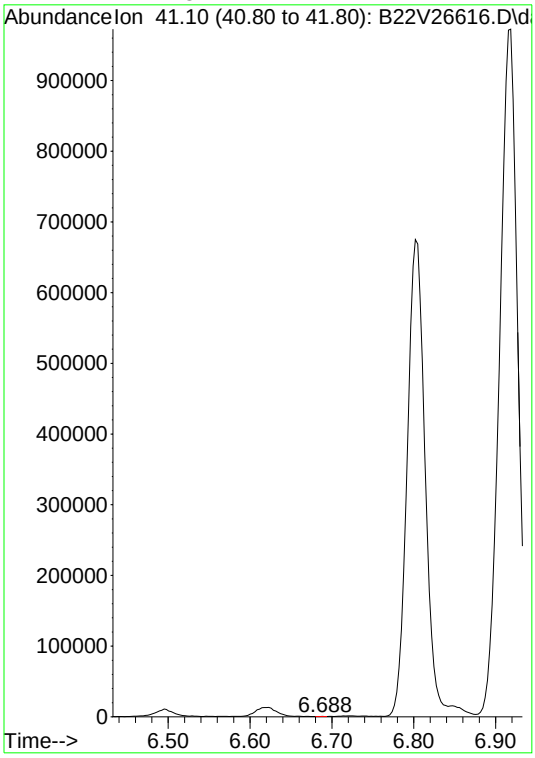
Mon Sep 26 08:07:13 2022

MIuser: LBD
Reason: Incorrect Baseline
RT : 5.36
Area : 81679
Amount: 2155.66

Manual Integration
1,4-DIOXANE




Original Integration
ETHYL METHACRYLATE




Original Int. Results
---

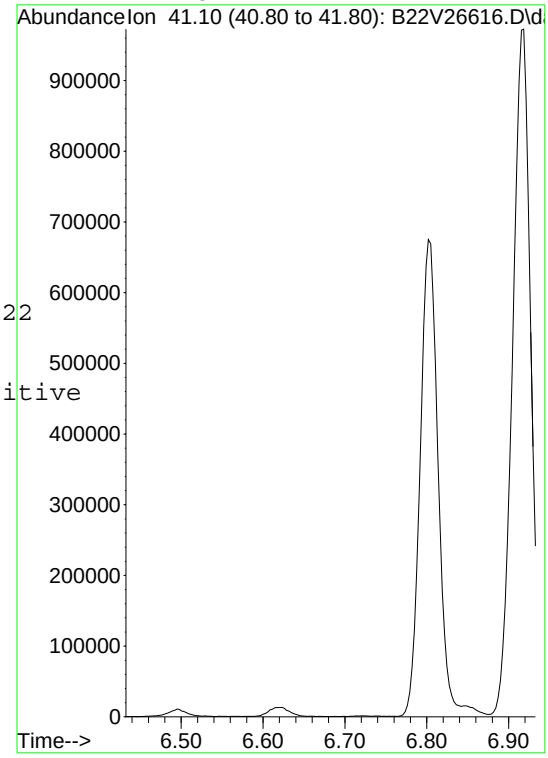
RT : 6.69
Area : 102
Amount: 0

Manual Int. Results
---

Mon Sep 26 08:07:24 2022

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

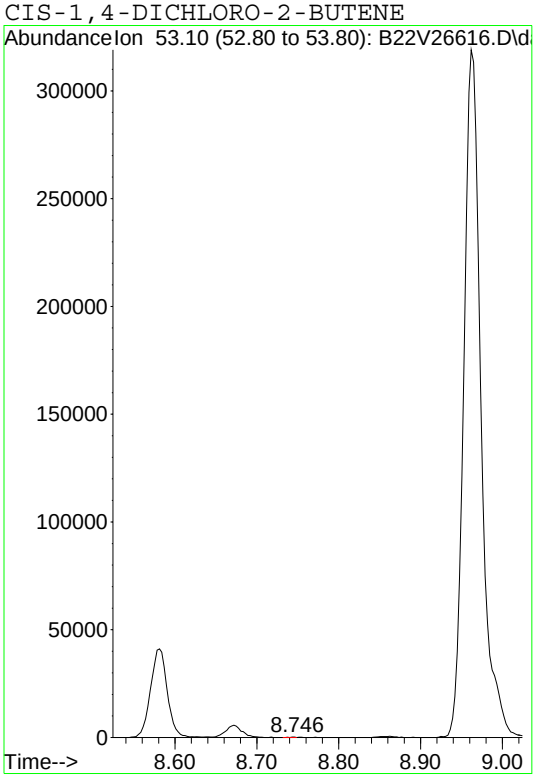
Manual Integration
ETHYL METHACRYLATE



Data Path : \\Voa2\MSDChem\1\DATA\B092322\
Data File : B22V26616.D
Acq On : 23 Sep 2022 2:48 pm
Operator :
Sample : 8260 STD 200 PPB 2209385
Misc :

Quant Time : Mon Sep 26 08:07:36 2022
Quant Method : Y:\1\METHODS\B060920W-RT-UPDATE.M
QLast Update : Wed Sep 21 11:30:47 2022

Original Integration
CIS-1,4-DICHLORO-2-BUTENE




Original Int. Results
---

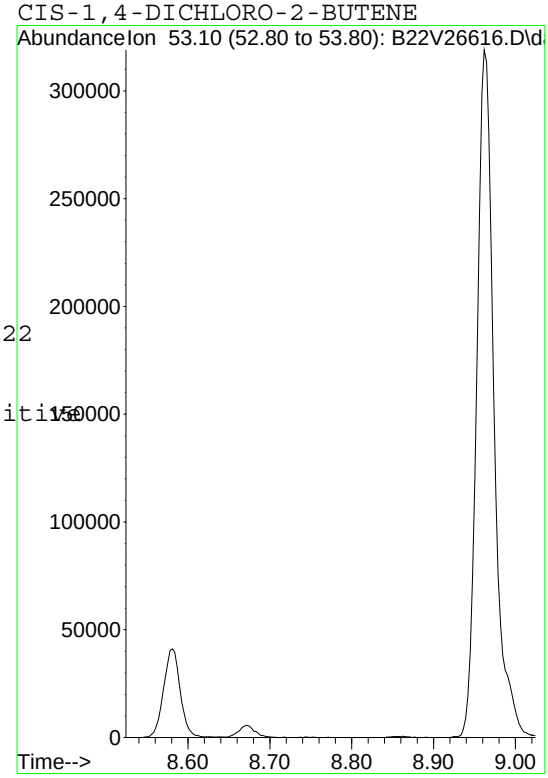
RT : 8.75
Area : 109
Amount: 0

Manual Int. Results
---

Mon Sep 26 08:07:36 2022

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

Manual Integration
CIS-1,4-DICHLORO-2-BUTENE



Data Path : \\Voa2\MSDChem\1\DATA\B092322\
Data File : B22V26617.D
Acq On : 23 Sep 2022 3:15 pm
Operator :
Sample : ETOH STD 500 PPB Inst : GCMSVOA2
Misc :
ALS Vial : 17 Sample Multiplier: 1



Quant Time: Sep 26 08:11:57 2022
Quant Method : Y:\1\METHODS\B060920W-RT-UPDATE.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Sep 21 11:30:47 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| Internal Standards | | | | | |
| 1) PENTAFLUOROBENZENE - ISTD | 3.994 | 168 | 179995 | 30.00 UG/L | 0.00 |
| 44) 1,4-DIFLOUROBENZENE - ... | 4.722 | 114 | 272887 | 30.00 UG/L | 0.00 |
| 65) CHLOROBENZENE-D5 ISTD | 7.564 | 82 | 146680 | 30.00 UG/L | 0.00 |
| 84) 1,4-DICHLOROBENZENE-D4... | 9.860 | 152 | 161727 | 30.00 UG/L | 0.00 |
| System Monitoring Compounds | | | | | |
| 2) 1,2-DICHLOROETHANE-D4 SS | 4.276 | 65 | 104490 | 22.53 UG/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 90.12% | | |
| 45) TOLUENE-D8 SS | 6.160 | 98 | 281748 | 24.70 UG/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 98.80% | | |
| 66) 4-BROMOFLUROBENZENE SS | 8.726 | 95 | 117311 | 25.77 UG/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 103.08% | | |
| Target Compounds | | | | | Qvalue |
| 3) DICHLORODIFLOUROMETHANE | 0.000 | | 0 | N.D. | |
| 4) DIFLUOROCHLOROMETHANE | 1.013 | 51 | 1275 | 0.25 UG/L # | 65 |
| 5) CHLOROMETHANE | 1.129 | 50 | 2510 | 0.22 UG/L | 95 |
| 6) VINYL CHLORIDE | 0.000 | | 0 | N.D. | |
| 7) BROMOMETHANE | 1.368 | 94 | 1228 | 4.16 UG/L | 96 |
| 8) CHLOROETHANE | 0.000 | | 0 | N.D. | |
| 9) FLUORODICHLOROMETHANE | 1.542 | 67 | 448 | 0.08 UG/L # | 89 |
| 10) TRICHLOROFLUOROMETHANE | 0.000 | | 0 | N.D. | |
| 11) ETHANOL | 1.701 | 45 | 43535m | 746.34 UG/L | |
| 12) DI ETHYL ETHER | 0.000 | | 0 | N.D. | |
| 13) ACROLEIN | 1.840 | 56 | 3098 | 3.60 UG/L # | 83 |
| 14) ACETONE | 1.948 | 43 | 2122 | 1.66 UG/L # | 48 |
| 15) 1,1-DICHLOROETHENE | 0.000 | | 0 | N.D. | |
| 16) 1,1,2-TRICL-1,2,2-TRIF... | 0.000 | | 0 | N.D. | |
| 17) IODOMETHANE | 2.008 | 142 | 5995 | 8.47 UG/L | 100 |
| 18) METHYL ACETATE | 2.323 | 43 | 442 | 0.11 UG/L # | 64 |
| 19) T-BUTYL ALCOHOL | 0.000 | | 0 | N.D. | |
| 20) ACRYLONITRILE | 2.465 | 53 | 556 | 0.40 UG/L # | 19 |
| 21) METHYLENE CHLORIDE | 2.249 | 49 | 1802 | 0.34 UG/L # | 65 |
| 22) CARBON DISULFIDE | 2.050 | 76 | 30018 | 3.94 UG/L | 99 |
| 23) METHYL TERT-BUTYL ETHE... | 2.462 | 73 | 994 | 0.13 UG/L # | 1 |
| 24) TRANS 1,2-DICHLOROETHENE | 2.457 | 61 | 903 | 0.20 UG/L # | 30 |
| 25) 1,1-DICHLOROETHANE | 0.000 | | 0 | N.D. | |
| 26) VINYL ACETATE | 2.914 | 43 | 16728 | 1.78 UG/L # | 88 |
| 27) DI ISOPROPYL ETHER | 0.000 | | 0 | N.D. | |
| 28) 2-BUTANONE | 3.488 | 43 | 3014 | 1.51 UG/L # | 64 |
| 29) T-BUTYL ETHYL ETHER | 0.000 | | 0 | N.D. | |
| 30) CIS-1,2-DICHLOROETHENE | 3.446 | 61 | 994 | 0.18 UG/L # | 31 |
| 31) 2,2-DICHLOROPROPANE | 0.000 | | 0 | N.D. | |
| 32) ETHYL ACETATE | 3.602 | 43 | 132 | 0.03 UG/L # | 77 |
| 33) BROMOCHLOROMETHANE | 0.000 | | 0 | N.D. | |
| 34) TETRAHYDROFURAN | 3.747 | 42 | 538 | 0.43 UG/L # | 33 |
| 35) T-BUTYL FORMATE | 0.000 | | 0 | N.D. | |
| 36) CHLOROFORM | 0.000 | | 0 | N.D. | |
| 37) 1,1,1-TRICHLOROETHANE | 0.000 | | 0 | N.D. | |
| 38) CYCLOHEXANE | 3.997 | 56 | 5844 | 0.85 UG/L # | 57 |
| 39) CARBON TETRACHLORIDE | 0.000 | | 0 | N.D. | |
| 40) 1,1-DICHLOROPROPENE | 0.000 | | 0 | N.D. | |
| 41) BENZENE | 0.000 | | 0 | N.D. | |
| 42) T-AMYL ALCOHOL | 4.278 | 59 | 256 | 0.77 UG/L # | 48 |
| 43) T-AMYLMETHYL ETHER | 0.000 | | 0 | N.D. | |
| 46) 1,2-DICHLOROETHANE | 0.000 | | 0 | N.D. | |
| 47) TRICHLOROETHENE | 0.000 | | 0 | N.D. | |

Data Path : \\Voa2\MSDChem\1\DATA\B092322\
Data File : B22V26617.D
Acq On : 23 Sep 2022 3:15 pm
Operator :
Sample : ETOH STD 500 PPB Inst : GCMSVOA2
Misc :
ALS Vial : 17 Sample Multiplier: 1



Quant Time: Sep 26 08:11:57 2022
Quant Method : Y:\1\METHODS\B060920W-RT-UPDATE.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Sep 21 11:30:47 2022
Response via : Initial Calibration

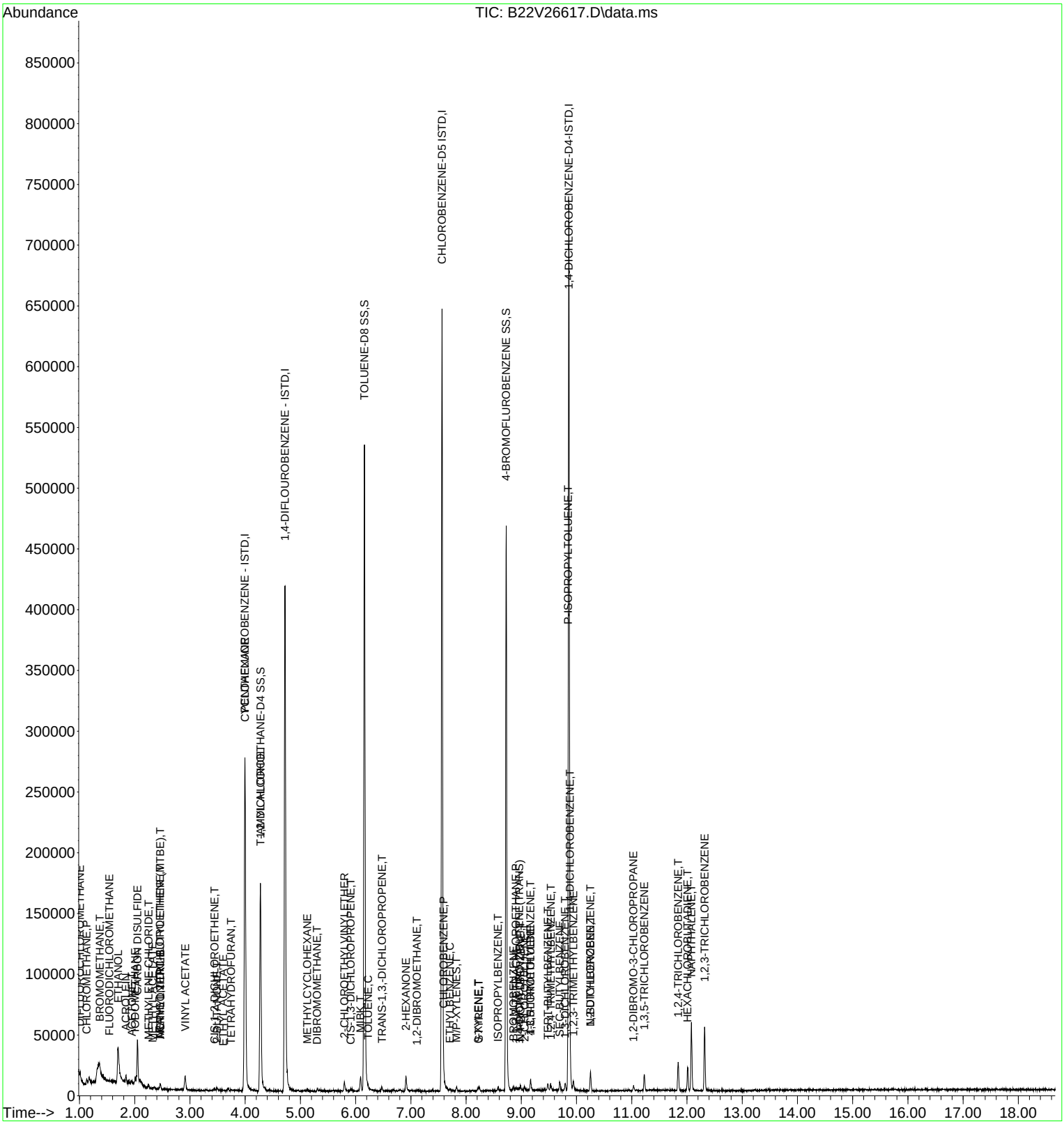
| Compound | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 48) METHYLCYCLOHEXANE | 5.122 | 83 | 419 | 0.09 UG/L # | 56 |
| 49) 1,2-DICHLOROPROPANE | 0.000 | | 0 | N.D. | |
| 50) DIBROMOMETHANE | 5.302 | 93 | 622 | 0.39 UG/L # | 52 |
| 51) 1,4-DIOXANE | 0.000 | | 0 | N.D. | |
| 52) BROMODICHLOROMETHANE | 0.000 | | 0 | N.D. | |
| 53) 2-CHLOROETHYLVINYLETHER | 5.799 | 63 | 2516 | 3.58 UG/L # | 80 |
| 54) MIBK | 6.086 | 43 | 8032 | 1.99 UG/L # | 94 |
| 55) CIS-1,3-DICHLOROPROPENE | 5.913 | 75 | 678 | 0.16 UG/L # | 1 |
| 56) TOLUENE | 6.225 | 91 | 904 | 0.08 UG/L # | 21 |
| 57) TRANS-1,3,-DICHLOROPRO... | 6.478 | 75 | 1230 | 0.33 UG/L # | 24 |
| 58) ETHYL METHACRYLATE | 6.677 | 41 | 169 | No Calib # | |
| 59) 1,1,2-TRICHLOROETHANE | 0.000 | | 0 | N.D. | |
| 60) 2-HEXANONE | 6.910 | 43 | 8234 | 2.72 UG/L # | 94 |
| 61) TETRACHLOROETHENE | 0.000 | | 0 | N.D. | |
| 62) 1,3-DICHLOROPROPANE | 0.000 | | 0 | N.D. | |
| 63) DIBROMOCHLOROMETHANE | 0.000 | | 0 | N.D. | |
| 64) 1,2-DIBROMOETHANE | 7.109 | 107 | 515 | 0.21 UG/L # | 2 |
| 67) CHLOROBENZENE | 7.592 | 112 | 906 | 0.12 UG/L # | 28 |
| 68) 1,1,1,2-TETRACHLOROETHANE | 0.000 | | 0 | N.D. | |
| 69) ETHYLBENZENE | 7.706 | 91 | 1106 | 0.08 UG/L # | 43 |
| 70) M/P-XYLENES | 7.825 | 91 | 2144 | 0.21 UG/L # | 82 |
| 71) 0-XYLENE | 8.220 | 91 | 1094 | 0.10 UG/L # | 31 |
| 72) STYRENE | 8.234 | 104 | 1045 | 0.13 UG/L # | 61 |
| 73) BROMOFORM | 0.000 | | 0 | N.D. | |
| 74) ISOPROPYLBENZENE | 8.578 | 105 | 1543 | 0.12 UG/L # | 48 |
| 75) CIS-1,4-DICHLORO-2-BUTENE | 8.965 | 53 | 570 | No Calib # | |
| 76) 1,1,2,2-TETRACHLOROETHANE | 8.902 | 83 | 1039 | 0.30 UG/L # | 26 |
| 77) 1,4-DICHLORO-2-BUTENE(... | 8.965 | 53 | 570 | 0.45 UG/L # | 42 |
| 78) BROMOBENZENE | 8.860 | 77 | 1115 | 0.23 UG/L # | 87 |
| 79) 1,2,3-TRICHLOROPROPANE | 0.000 | | 0 | N.D. | |
| 80) N-PROPYLBENZENE | 8.985 | 91 | 2949 | 0.18 UG/L | 98 |
| 81) 2-CHLOROT0LUENE | 9.059 | 91 | 1888 | 0.20 UG/L # | 41 |
| 82) 1,3,5-TRIMETHYLBENZENE | 9.167 | 105 | 2307 | 0.21 UG/L | 92 |
| 83) 4-CHLOROTOLUENE | 9.167 | 91 | 2349 | 0.21 UG/L | 97 |
| 85) TERT-BUTYLBENZENE | 9.479 | 119 | 2469 | 0.24 UG/L | 97 |
| 86) 1,2,4-TRIMETHYLBENZENE | 9.533 | 105 | 2818 | 0.23 UG/L | 95 |
| 87) SEC-BUTYLBENZENE | 9.698 | 105 | 4280 | 0.28 UG/L | 99 |
| 88) 1,3-DICHLOROBENZENE | 9.795 | 146 | 2107 | 0.31 UG/L | 94 |
| 89) P-ISOPROPYLTOLUENE | 9.849 | 119 | 4243 | 0.33 UG/L # | 94 |
| 90) 1,4-DICHLOROBENZENE | 9.880 | 146 | 2704 | 0.38 UG/L # | 69 |
| 91) 1,2,3-TRIMETHYLBENZENE | 9.942 | 105 | 3494 | 0.30 UG/L # | 100 |
| 92) N-BUTYLBENZENE | 10.252 | 91 | 4814 | 0.38 UG/L | 97 |
| 93) 1,2-DICHLOROBENZENE | 10.252 | 146 | 2518 | 0.39 UG/L | 98 |
| 94) 1,2-DIBROMO-3-CHLOROPR... | 11.028 | 75 | 877 | 1.20 UG/L | 98 |
| 95) 1,3,5-TRICHLOROBENZENE | 11.227 | 180 | 4015 | 0.81 UG/L | 96 |
| 96) 1,2,4-TRICHLOROBENZENE | 11.841 | 180 | 6943 | 1.60 UG/L | 97 |
| 97) HEXACHLOROBUTADIENE | 12.011 | 225 | 3264 | 1.46 UG/L | 95 |
| 98) NAPHTHALENE | 12.080 | 128 | 38177 | 3.45 UG/L | 99 |
| 99) 1,2,3-TRICHLOROBENZENE | 12.318 | 180 | 14169 | 3.48 UG/L | 94 |

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

Data Path : \\Voa2\MSDChem\1\DATA\B092322\
Data File : B22V26617.D
Acq On : 23 Sep 2022 3:15 pm
Operator :
Sample : ETOH STD 500 PPB Inst : GCMSVOA2
Misc :
ALS Vial : 17 Sample Multiplier: 1



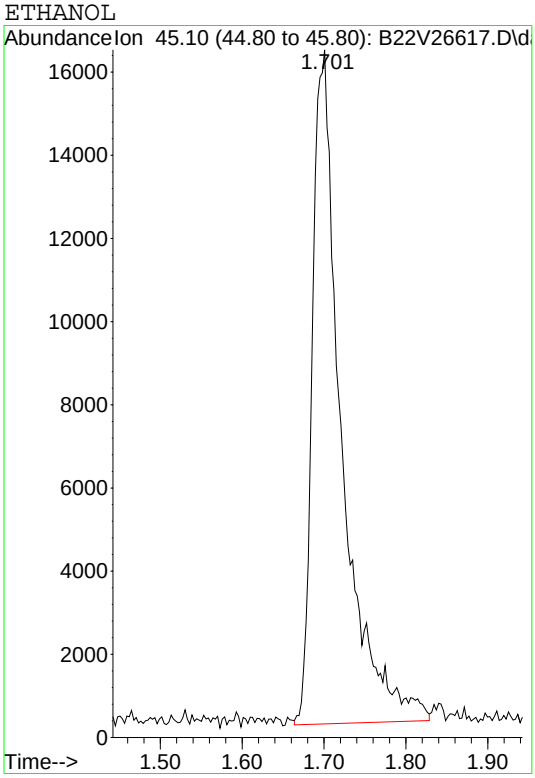
Quant Time: Sep 26 08:11:57 2022
Quant Method : Y:\1\METHODS\B060920W-RT-UPDATE.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Sep 21 11:30:47 2022
Response via : Initial Calibration



Data Path : \\Voa2\MSDChem\1\DATA\B092322\
Data File : B22V26617.D
Acq On : 23 Sep 2022 3:15 pm
Operator :
Sample : ETOH STD 500 PPB
Misc :

Quant Time : Mon Sep 26 08:11:57 2022
Quant Method : Y:\1\METHODS\B060920W-RT-UPDATE.M
QLast Update : Wed Sep 21 11:30:47 2022

Original Integration
ETHANOL




Original Int. Results
---

RT : 1.70
Area : 40014
Amount: 685.978

Manual Int. Results
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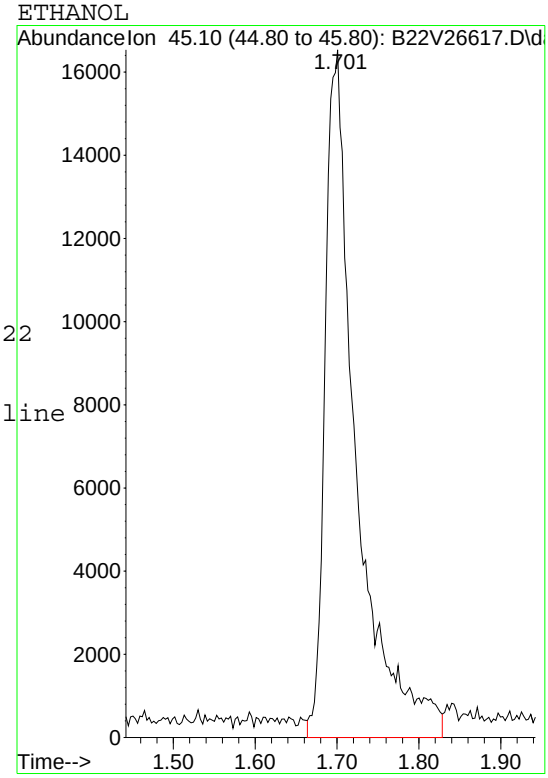
Mon Sep 26 08:11:57 2022

MIuser: LBD
Reason: Incorrect Baseline
RT : 1.70
Area : 43535
Amount: 746.34

Manual Integration
ETHANOL



Data Path : \\Voa2\MSDChem\1\DATA\B092322\
Data File : B22V26618.D
Acq On : 23 Sep 2022 3:41 pm
Operator :
Sample : ETOH STD 1000 PPB Inst : GCMSVOA2
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 26 08:12:17 2022
Quant Method : Y:\1\METHODS\B060920W-RT-UPDATE.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Sep 21 11:30:47 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| Internal Standards | | | | | |
| 1) PENTAFLUOROBENZENE - ISTD | 3.997 | 168 | 177458 | 30.00 UG/L | 0.00 |
| 44) 1,4-DIFLOUROBENZENE - ... | 4.719 | 114 | 271374 | 30.00 UG/L | 0.00 |
| 65) CHLOROBENZENE-D5 ISTD | 7.564 | 82 | 145964 | 30.00 UG/L | 0.00 |
| 84) 1,4-DICHLOROBENZENE-D4... | 9.860 | 152 | 160571 | 30.00 UG/L | 0.00 |
| System Monitoring Compounds | | | | | |
| 2) 1,2-DICHLOROETHANE-D4 SS | 4.276 | 65 | 104210 | 22.79 UG/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 91.16% | | |
| 45) TOLUENE-D8 SS | 6.157 | 98 | 279034 | 24.60 UG/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 98.40% | | |
| 66) 4-BROMOFLUROBENZENE SS | 8.726 | 95 | 117014 | 25.83 UG/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 103.32% | | |
| Target Compounds | | | | | Qvalue |
| 3) DICHLORODIFLOUROMETHANE | 0.000 | | 0 | N.D. | |
| 4) DIFLUOROCHLOROMETHANE | 1.039 | 51 | 104 | 0.02 UG/L # | 65 |
| 5) CHLOROMETHANE | 1.130 | 50 | 1163 | 0.10 UG/L # | 44 |
| 6) VINYL CHLORIDE | 0.000 | | 0 | N.D. | |
| 7) BROMOMETHANE | 0.000 | | 0 | N.D. | |
| 8) CHLOROETHANE | 0.000 | | 0 | N.D. | |
| 9) FLUORODICHLOROMETHANE | 1.547 | 67 | 146 | 0.03 UG/L # | 1 |
| 10) TRICHLOROFLUOROMETHANE | 0.000 | | 0 | N.D. | |
| 11) ETHANOL | 1.701 | 45 | 83806m | 1457.26 UG/L | |
| 12) DI ETHYL ETHER | 0.000 | | 0 | N.D. | |
| 13) ACROLEIN | 1.846 | 56 | 1828 | 2.15 UG/L # | 67 |
| 14) ACETONE | 1.940 | 43 | 585 | 0.46 UG/L # | 48 |
| 15) 1,1-DICHLOROETHENE | 0.000 | | 0 | N.D. | |
| 16) 1,1,2-TRICL-1,2,2-TRIF... | 0.000 | | 0 | N.D. | |
| 17) IODOMETHANE | 2.011 | 142 | 2500 | 7.14 UG/L | 94 |
| 18) METHYL ACETATE | 2.178 | 43 | 374 | 0.09 UG/L # | 64 |
| 19) T-BUTYL ALCOHOL | 0.000 | | 0 | N.D. | |
| 20) ACRYLONITRILE | 0.000 | | 0 | N.D. | |
| 21) METHYLENE CHLORIDE | 2.249 | 49 | 690 | 0.13 UG/L # | 32 |
| 22) CARBON DISULFIDE | 2.047 | 76 | 11623 | 1.55 UG/L | 96 |
| 23) METHYL TERT-BUTYL ETHE... | 2.460 | 73 | 862 | 0.12 UG/L # | 6 |
| 24) TRANS 1,2-DICHLOROETHENE | 0.000 | | 0 | N.D. | |
| 25) 1,1-DICHLOROETHANE | 0.000 | | 0 | N.D. | |
| 26) VINYL ACETATE | 2.917 | 43 | 6549 | 0.71 UG/L # | 82 |
| 27) DI ISOPROPYL ETHER | 0.000 | | 0 | N.D. | |
| 28) 2-BUTANONE | 0.000 | | 0 | N.D. | |
| 29) T-BUTYL ETHYL ETHER | 0.000 | | 0 | N.D. | |
| 30) CIS-1,2-DICHLOROETHENE | 0.000 | | 0 | N.D. | |
| 31) 2,2-DICHLOROPROPANE | 0.000 | | 0 | N.D. | |
| 32) ETHYL ACETATE | 3.554 | 43 | 272 | 0.06 UG/L # | 77 |
| 33) BROMOCHLOROMETHANE | 0.000 | | 0 | N.D. | |
| 34) TETRAHYDROFURAN | 0.000 | | 0 | N.D. | |
| 35) T-BUTYL FORMATE | 0.000 | | 0 | N.D. | |
| 36) CHLOROFORM | 0.000 | | 0 | N.D. | |
| 37) 1,1,1-TRICHLOROETHANE | 0.000 | | 0 | N.D. | |
| 38) CYCLOHEXANE | 3.991 | 56 | 5225 | 0.77 UG/L # | 56 |
| 39) CARBON TETRACHLORIDE | 0.000 | | 0 | N.D. | |
| 40) 1,1-DICHLOROPROPENE | 0.000 | | 0 | N.D. | |
| 41) BENZENE | 4.315 | 78 | 548 | 0.05 UG/L # | 51 |
| 42) T-AMYL ALCOHOL | 4.273 | 59 | 242 | 0.74 UG/L # | 12 |
| 43) T-AMYLMETHYL ETHER | 0.000 | | 0 | N.D. | |
| 46) 1,2-DICHLOROETHANE | 0.000 | | 0 | N.D. | |
| 47) TRICHLOROETHENE | 0.000 | | 0 | N.D. | |

Data Path : \\Voa2\MSDChem\1\DATA\B092322\
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Misc :
ALS Vial : 18 Sample Multiplier: 1



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Quant Method : Y:\1\METHODS\B060920W-RT-UPDATE.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Sep 21 11:30:47 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 48) METHYLCYCLOHEXANE | 0.000 | | 0 | N.D. | |
| 49) 1,2-DICHLOROPROPANE | 0.000 | | 0 | N.D. | |
| 50) DIBROMOMETHANE | 0.000 | | 0 | N.D. | |
| 51) 1,4-DIOXANE | 0.000 | | 0 | N.D. | |
| 52) BROMODICHLOROMETHANE | 0.000 | | 0 | N.D. | |
| 53) 2-CHLOROETHYLVINYLETHER | 5.799 | 63 | 818 | 1.17 UG/L | 93 |
| 54) MIBK | 6.092 | 43 | 1750 | 0.43 UG/L # | 78 |
| 55) CIS-1,3-DICHLOROPROPENE | 0.000 | | 0 | N.D. | |
| 56) TOLUENE | 0.000 | | 0 | N.D. | |
| 57) TRANS-1,3,-DICHLOROPRO... | 0.000 | | 0 | N.D. | |
| 58) ETHYL METHACRYLATE | 6.666 | 41 | 267 | No Calib # | |
| 59) 1,1,2-TRICHLOROETHANE | 0.000 | | 0 | N.D. | |
| 60) 2-HEXANONE | 6.924 | 43 | 1450 | 0.48 UG/L # | 86 |
| 61) TETRACHLOROETHENE | 0.000 | | 0 | N.D. | |
| 62) 1,3-DICHLOROPROPANE | 0.000 | | 0 | N.D. | |
| 63) DIBROMOCHLOROMETHANE | 0.000 | | 0 | N.D. | |
| 64) 1,2-DIBROMOETHANE | 0.000 | | 0 | N.D. | |
| 67) CHLOROBENZENE | 0.000 | | 0 | N.D. | |
| 68) 1,1,1,2-TETRACHLOROETHANE | 0.000 | | 0 | N.D. | |
| 69) ETHYLBENZENE | 0.000 | | 0 | N.D. | |
| 70) M/P-XYLENES | 7.831 | 91 | 509 | 0.05 UG/L # | 28 |
| 71) 0-XYLENE | 0.000 | | 0 | N.D. | |
| 72) STYRENE | 0.000 | | 0 | N.D. | |
| 73) BROMOFORM | 0.000 | | 0 | N.D. | |
| 74) ISOPROPYLBENZENE | 0.000 | | 0 | N.D. | |
| 75) CIS-1,4-DICHLORO-2-BUTENE | 0.000 | | 0 | N.D. | |
| 76) 1,1,2,2-TETRACHLOROETHANE | 0.000 | | 0 | N.D. | |
| 77) 1,4-DICHLORO-2-BUTENE(... | 0.000 | | 0 | N.D. | |
| 78) BROMOBENZENE | 0.000 | | 0 | N.D. | |
| 79) 1,2,3-TRICHLOROPROPANE | 0.000 | | 0 | N.D. | |
| 80) N-PROPYLBENZENE | 8.985 | 91 | 752 | 0.05 UG/L # | 54 |
| 81) 2-CHLOROT0LUENE | 0.000 | | 0 | N.D. | |
| 82) 1,3,5-TRIMETHYLBENZENE | 0.000 | | 0 | N.D. | |
| 83) 4-CHLOROTOLUENE | 9.175 | 91 | 677 | 0.06 UG/L # | 45 |
| 85) TERT-BUTYLBENZENE | 0.000 | | 0 | N.D. | |
| 86) 1,2,4-TRIMETHYLBENZENE | 9.536 | 105 | 669 | 0.06 UG/L # | 31 |
| 87) SEC-BUTYLBENZENE | 9.698 | 105 | 1049 | 0.07 UG/L # | 55 |
| 88) 1,3-DICHLOROBENZENE | 9.795 | 146 | 594 | 0.09 UG/L # | 25 |
| 89) P-ISOPROPYLTOLUENE | 9.854 | 119 | 1084 | 0.08 UG/L # | 44 |
| 90) 1,4-DICHLOROBENZENE | 9.883 | 146 | 807 | 0.11 UG/L # | 24 |
| 91) 1,2,3-TRIMETHYLBENZENE | 9.942 | 105 | 794 | 0.07 UG/L # | 100 |
| 92) N-BUTYLBENZENE | 10.249 | 91 | 1275 | 0.10 UG/L # | 72 |
| 93) 1,2-DICHLOROBENZENE | 0.000 | | 0 | N.D. | |
| 94) 1,2-DIBROMO-3-CHLOROPR... | 0.000 | | 0 | N.D. | |
| 95) 1,3,5-TRICHLOROBENZENE | 11.224 | 180 | 706 | 0.14 UG/L | 91 |
| 96) 1,2,4-TRICHLOROBENZENE | 11.841 | 180 | 1301 | 0.30 UG/L # | 83 |
| 97) HEXACHLOROBUTADIENE | 12.014 | 225 | 526 | 0.24 UG/L # | 24 |
| 98) NAPHTHALENE | 12.082 | 128 | 5069 | 0.46 UG/L # | 84 |
| 99) 1,2,3-TRICHLOROBENZENE | 12.318 | 180 | 1613 | 0.40 UG/L | 95 |

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

Data Path : \\Voa2\MSDChem\1\DATA\B092322\
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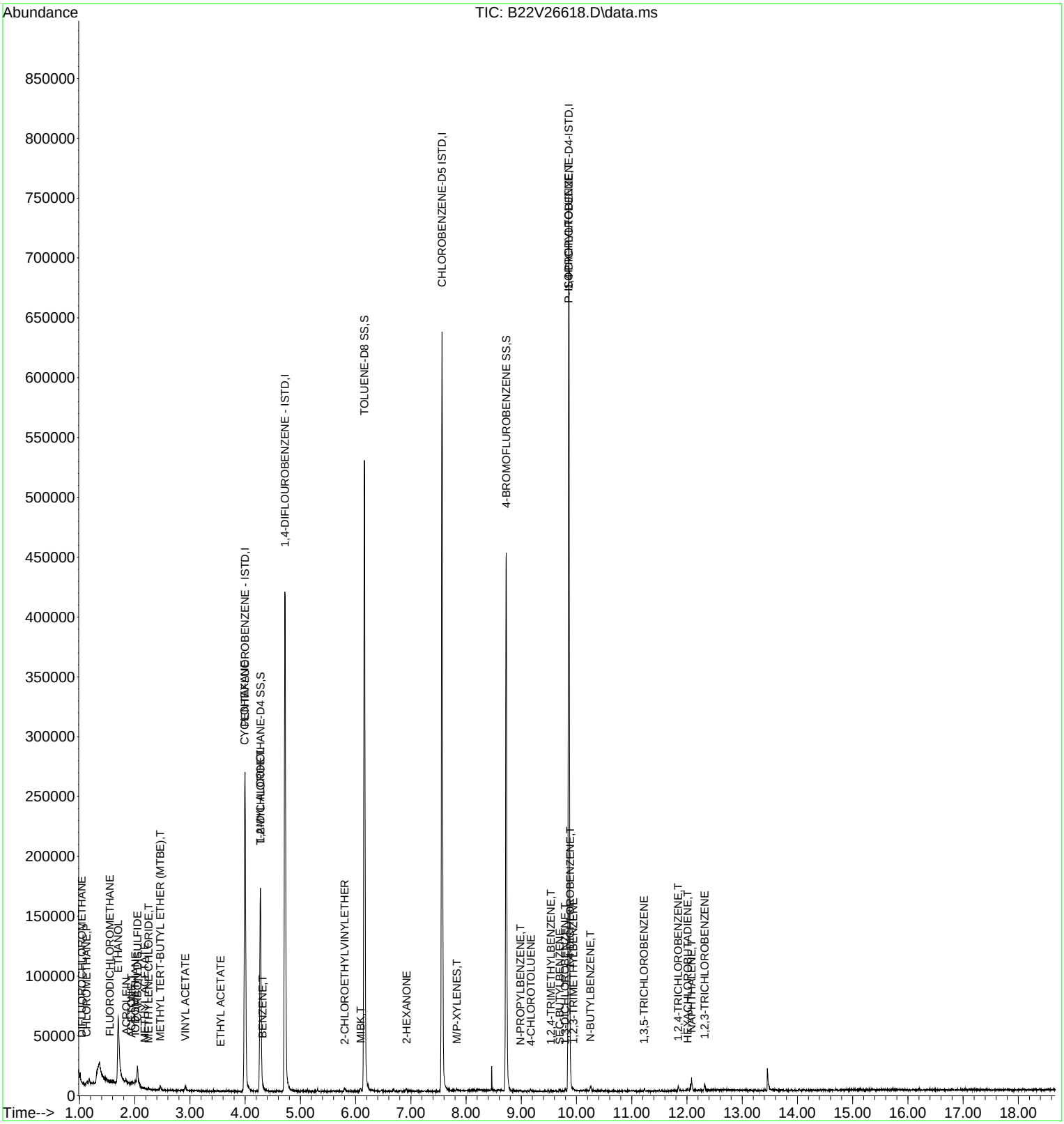
Sample : ETOH STD 1000 PPB Inst : GCMSVOA2
Misc :
ALS Vial : 18 Sample Multiplier: 1



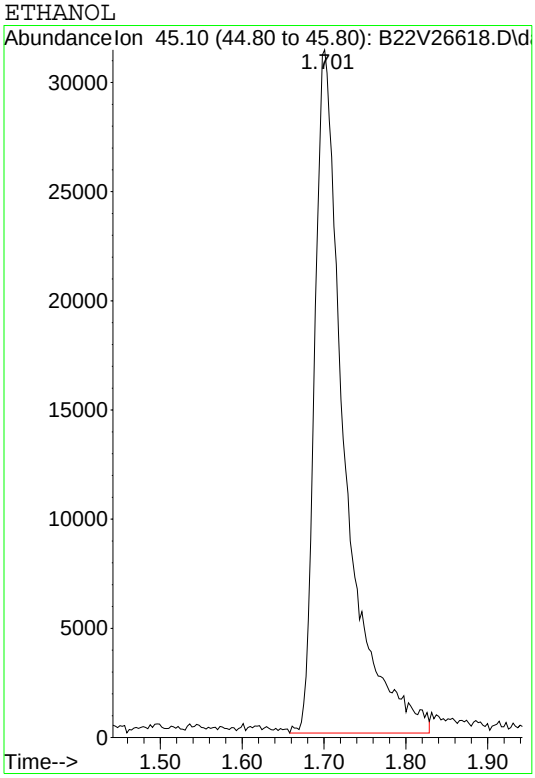
Quant Time: Sep 26 08:12:17 2022
Quant Method : Y:\1\METHODS\B060920W-RT-UPDATE.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Sep 21 11:30:47 2022
Response via : Initial Calibration



Data Path : \\Voa2\MSDChem\1\DATA\B092322\
Data File : B22V26618.D
Acq On : 23 Sep 2022 3:41 pm
Operator :
Sample : ETOH STD 1000 PPB
Misc :

Quant Time : Mon Sep 26 08:12:17 2022
Quant Method : Y:\1\METHODS\B060920W-RT-UPDATE.M
QLast Update : Wed Sep 21 11:30:47 2022

Original Integration
ETHANOL




Original Int. Results
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RT : 1.70
Area : 79142
Amount: 1376.16

Manual Int. Results
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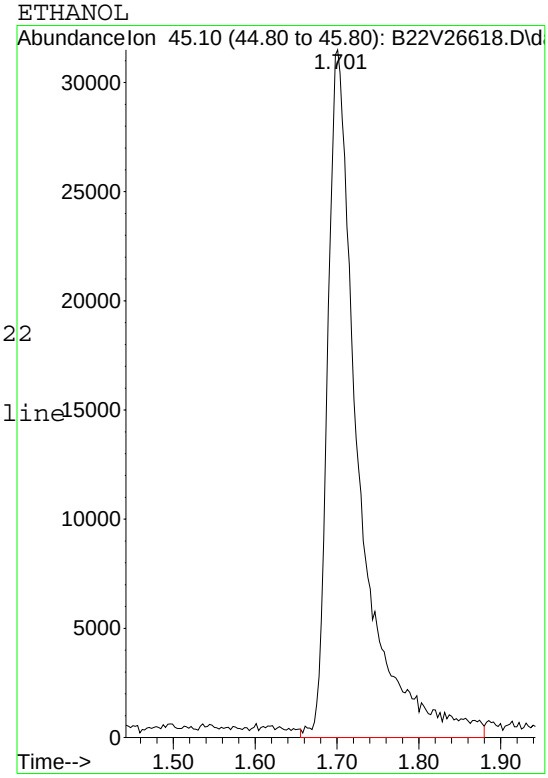
Mon Sep 26 08:12:17 2022

MIuser: LBD
Reason: Incorrect Baseline
RT : 1.70
Area : 83806
Amount: 1457.26

Manual Integration
ETHANOL



Data Path : \\Voa2\MSDChem\1\DATA\B092322\
Data File : B22V26619.D
Acq On : 23 Sep 2022 4:07 pm
Operator :
Sample : ETOH STD 2000 PPB Inst : GCMSVOA2
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 26 08:12:40 2022
Quant Method : Y:\1\METHODS\B060920W-RT-UPDATE.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Sep 21 11:30:47 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| Internal Standards | | | | | |
| 1) PENTAFLUOROBENZENE - ISTD | 3.994 | 168 | 175401 | 30.00 UG/L | 0.00 |
| 44) 1,4-DIFLOUROBENZENE - ... | 4.719 | 114 | 271872 | 30.00 UG/L | 0.00 |
| 65) CHLOROBENZENE-D5 ISTD | 7.564 | 82 | 145101 | 30.00 UG/L | 0.00 |
| 84) 1,4-DICHLOROBENZENE-D4... | 9.860 | 152 | 161463 | 30.00 UG/L | 0.00 |
| System Monitoring Compounds | | | | | |
| 2) 1,2-DICHLOROETHANE-D4 SS | 4.276 | 65 | 102670 | 22.72 UG/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 90.88% | | |
| 45) TOLUENE-D8 SS | 6.157 | 98 | 277519 | 24.42 UG/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 97.68% | | |
| 66) 4-BROMOFLUROBENZENE SS | 8.723 | 95 | 118489 | 26.31 UG/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 105.24% | | |
| Target Compounds | | | | | Qvalue |
| 3) DICHLORODIFLOUROMETHANE | 0.000 | | 0 | N.D. | |
| 4) DIFLUOROCHLOROMETHANE | 1.013 | 51 | 993 | 0.20 UG/L # | 65 |
| 5) CHLOROMETHANE | 1.130 | 50 | 789 | 0.07 UG/L # | 44 |
| 6) VINYL CHLORIDE | 0.000 | | 0 | N.D. | |
| 7) BROMOMETHANE | 1.365 | 94 | 542 | 3.60 UG/L # | 9 |
| 8) CHLOROETHANE | 0.000 | | 0 | N.D. | |
| 9) FLUORODICHLOROMETHANE | 1.539 | 67 | 149 | 0.03 UG/L # | 1 |
| 10) TRICHLOROFLUOROMETHANE | 0.000 | | 0 | N.D. | |
| 11) ETHANOL | 1.709 | 45 | 166570m | 2930.37 UG/L | |
| 12) DI ETHYL ETHER | 0.000 | | 0 | N.D. | |
| 13) ACROLEIN | 1.843 | 56 | 552 | 0.66 UG/L # | 17 |
| 14) ACETONE | 1.945 | 43 | 584 | 0.47 UG/L # | 48 |
| 15) 1,1-DICHLOROETHENE | 0.000 | | 0 | N.D. | |
| 16) 1,1,2-TRICL-1,2,2-TRIF... | 0.000 | | 0 | N.D. | |
| 17) IODOMETHANE | 2.011 | 142 | 1979 | 6.94 UG/L | 95 |
| 18) METHYL ACETATE | 2.175 | 43 | 178 | 0.05 UG/L # | 64 |
| 19) T-BUTYL ALCOHOL | 0.000 | | 0 | N.D. | |
| 20) ACRYLONITRILE | 0.000 | | 0 | N.D. | |
| 21) METHYLENE CHLORIDE | 2.249 | 49 | 516 | 0.10 UG/L # | 32 |
| 22) CARBON DISULFIDE | 2.045 | 76 | 7013 | 0.94 UG/L # | 93 |
| 23) METHYL TERT-BUTYL ETHE... | 2.460 | 73 | 3669 | 0.51 UG/L # | 46 |
| 24) TRANS 1,2-DICHLOROETHENE | 0.000 | | 0 | N.D. | |
| 25) 1,1-DICHLOROETHANE | 0.000 | | 0 | N.D. | |
| 26) VINYL ACETATE | 2.909 | 43 | 3432 | 0.37 UG/L # | 82 |
| 27) DI ISOPROPYL ETHER | 0.000 | | 0 | N.D. | |
| 28) 2-BUTANONE | 3.662 | 43 | 520 | 0.27 UG/L # | 64 |
| 29) T-BUTYL ETHYL ETHER | 0.000 | | 0 | N.D. | |
| 30) CIS-1,2-DICHLOROETHENE | 0.000 | | 0 | N.D. | |
| 31) 2,2-DICHLOROPROPANE | 0.000 | | 0 | N.D. | |
| 32) ETHYL ACETATE | 3.548 | 43 | 229 | 0.05 UG/L # | 77 |
| 33) BROMOCHLOROMETHANE | 0.000 | | 0 | N.D. | |
| 34) TETRAHYDROFURAN | 0.000 | | 0 | N.D. | |
| 35) T-BUTYL FORMATE | 0.000 | | 0 | N.D. | |
| 36) CHLOROFORM | 0.000 | | 0 | N.D. | |
| 37) 1,1,1-TRICHLOROETHANE | 0.000 | | 0 | N.D. | |
| 38) CYCLOHEXANE | 3.991 | 56 | 5359 | 0.80 UG/L # | 57 |
| 39) CARBON TETRACHLORIDE | 0.000 | | 0 | N.D. | |
| 40) 1,1-DICHLOROPROPENE | 0.000 | | 0 | N.D. | |
| 41) BENZENE | 0.000 | | 0 | N.D. | |
| 42) T-AMYL ALCOHOL | 4.270 | 59 | 312 | 0.97 UG/L # | 51 |
| 43) T-AMYLMETHYL ETHER | 0.000 | | 0 | N.D. | |
| 46) 1,2-DICHLOROETHANE | 0.000 | | 0 | N.D. | |
| 47) TRICHLOROETHENE | 0.000 | | 0 | N.D. | |

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Misc :
ALS Vial : 19 Sample Multiplier: 1

200

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QLast Update : Wed Sep 21 11:30:47 2022
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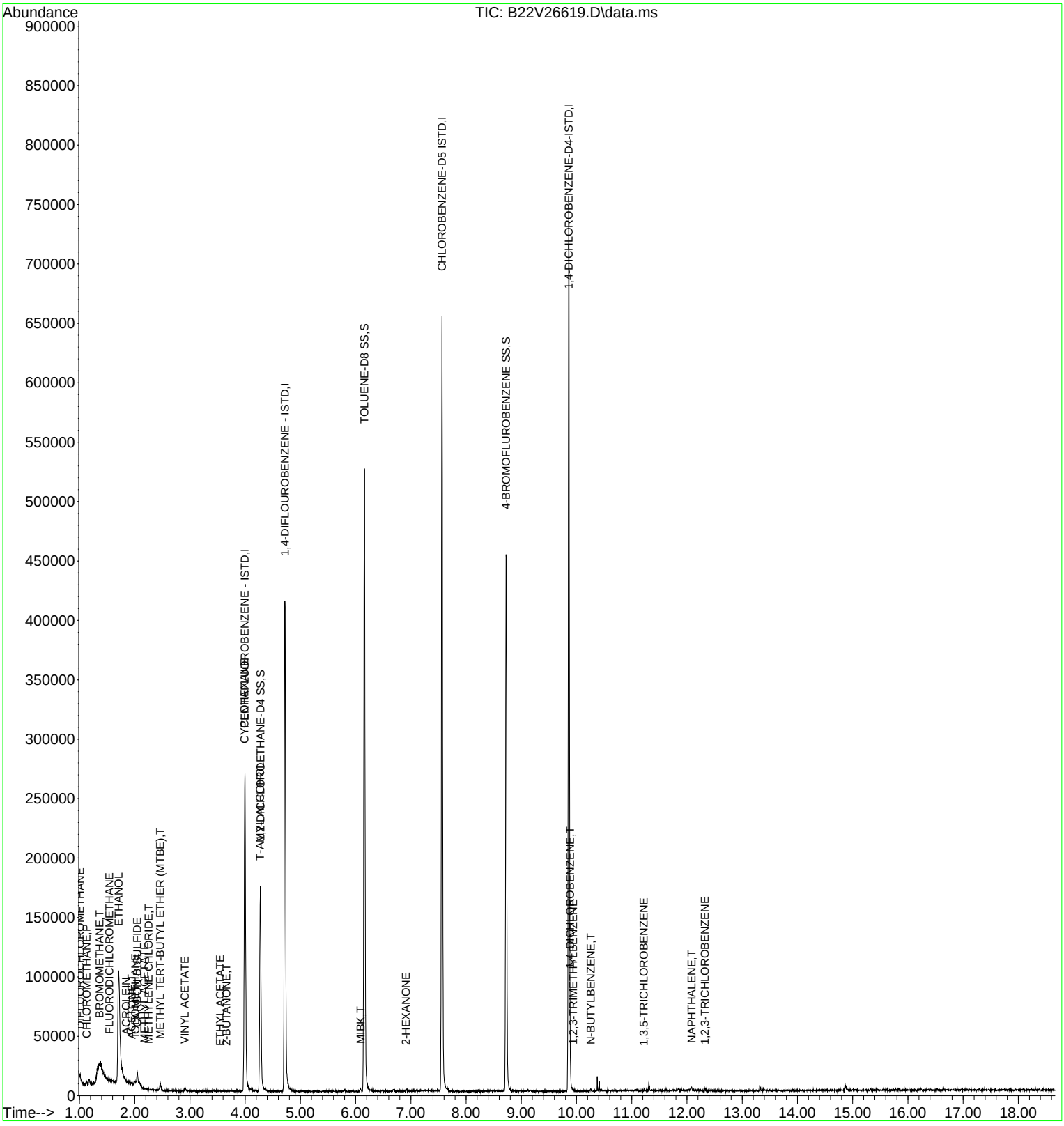
| Compound | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 48) METHYLCYCLOHEXANE | 0.000 | | 0 | N.D. | |
| 49) 1,2-DICHLOROPROPANE | 0.000 | | 0 | N.D. | |
| 50) DIBROMOMETHANE | 0.000 | | 0 | N.D. | |
| 51) 1,4-DIOXANE | 0.000 | | 0 | N.D. | |
| 52) BROMODICHLOROMETHANE | 0.000 | | 0 | N.D. | |
| 53) 2-CHLOROETHYLVINYLETHER | 0.000 | | 0 | N.D. | |
| 54) MIBK | 6.092 | 43 | 1284 | 0.32 UG/L # | 49 |
| 55) CIS-1,3-DICHLOROPROPENE | 0.000 | | 0 | N.D. | |
| 56) TOLUENE | 0.000 | | 0 | N.D. | |
| 57) TRANS-1,3,-DICHLOROPRO... | 0.000 | | 0 | N.D. | |
| 58) ETHYL METHACRYLATE | 6.688 | 41 | 206 | No Calib # | |
| 59) 1,1,2-TRICHLOROETHANE | 0.000 | | 0 | N.D. | |
| 60) 2-HEXANONE | 6.913 | 43 | 1029 | 0.34 UG/L # | 41 |
| 61) TETRACHLOROETHENE | 0.000 | | 0 | N.D. | |
| 62) 1,3-DICHLOROPROPANE | 0.000 | | 0 | N.D. | |
| 63) DIBROMOCHLOROMETHANE | 0.000 | | 0 | N.D. | |
| 64) 1,2-DIBROMOETHANE | 0.000 | | 0 | N.D. | |
| 67) CHLOROBENZENE | 0.000 | | 0 | N.D. | |
| 68) 1,1,1,2-TETRACHLOROETHANE | 0.000 | | 0 | N.D. | |
| 69) ETHYLBENZENE | 0.000 | | 0 | N.D. | |
| 70) M/P-XYLENES | 0.000 | | 0 | N.D. | |
| 71) 0-XYLENE | 0.000 | | 0 | N.D. | |
| 72) STYRENE | 0.000 | | 0 | N.D. | |
| 73) BROMOFORM | 0.000 | | 0 | N.D. | |
| 74) ISOPROPYLBENZENE | 0.000 | | 0 | N.D. | |
| 75) CIS-1,4-DICHLORO-2-BUTENE | 0.000 | | 0 | N.D. | |
| 76) 1,1,2,2-TETRACHLOROETHANE | 0.000 | | 0 | N.D. | |
| 77) 1,4-DICHLORO-2-BUTENE(... | 0.000 | | 0 | N.D. | |
| 78) BROMOBENZENE | 0.000 | | 0 | N.D. | |
| 79) 1,2,3-TRICHLOROPROPANE | 0.000 | | 0 | N.D. | |
| 80) N-PROPYLBENZENE | 0.000 | | 0 | N.D. | |
| 81) 2-CHLOROT0LUENE | 0.000 | | 0 | N.D. | |
| 82) 1,3,5-TRIMETHYLBENZENE | 0.000 | | 0 | N.D. | |
| 83) 4-CHLOROTOLUENE | 0.000 | | 0 | N.D. | |
| 85) TERT-BUTYLBENZENE | 0.000 | | 0 | N.D. | |
| 86) 1,2,4-TRIMETHYLBENZENE | 0.000 | | 0 | N.D. | |
| 87) SEC-BUTYLBENZENE | 0.000 | | 0 | N.D. | |
| 88) 1,3-DICHLOROBENZENE | 0.000 | | 0 | N.D. | |
| 89) P-ISOPROPYLTOLUENE | 0.000 | | 0 | N.D. | |
| 90) 1,4-DICHLOROBENZENE | 9.883 | 146 | 543 | 0.08 UG/L # | 24 |
| 91) 1,2,3-TRIMETHYLBENZENE | 9.940 | 105 | 338 | 0.03 UG/L # | 100 |
| 92) N-BUTYLBENZENE | 10.261 | 91 | 580 | 0.05 UG/L # | 32 |
| 93) 1,2-DICHLOROBENZENE | 0.000 | | 0 | N.D. | |
| 94) 1,2-DIBROMO-3-CHLOROPR... | 0.000 | | 0 | N.D. | |
| 95) 1,3,5-TRICHLOROBENZENE | 11.219 | 180 | 350 | 0.07 UG/L # | 78 |
| 96) 1,2,4-TRICHLOROBENZENE | 0.000 | | 0 | N.D. | |
| 97) HEXACHLOROBUTADIENE | 0.000 | | 0 | N.D. | |
| 98) NAPHTHALENE | 12.082 | 128 | 2089 | 0.19 UG/L # | 69 |
| 99) 1,2,3-TRICHLOROBENZENE | 12.324 | 180 | 681 | 0.17 UG/L # | 80 |

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

Data Path : \\Voa2\MSDChem\1\DATA\B092322\
Data File : B22V26619.D
Acq On : 23 Sep 2022 4:07 pm
Operator :
Sample : ETOH STD 2000 PPB Inst : GCMSVOA2
Misc :
ALS Vial : 19 Sample Multiplier: 1



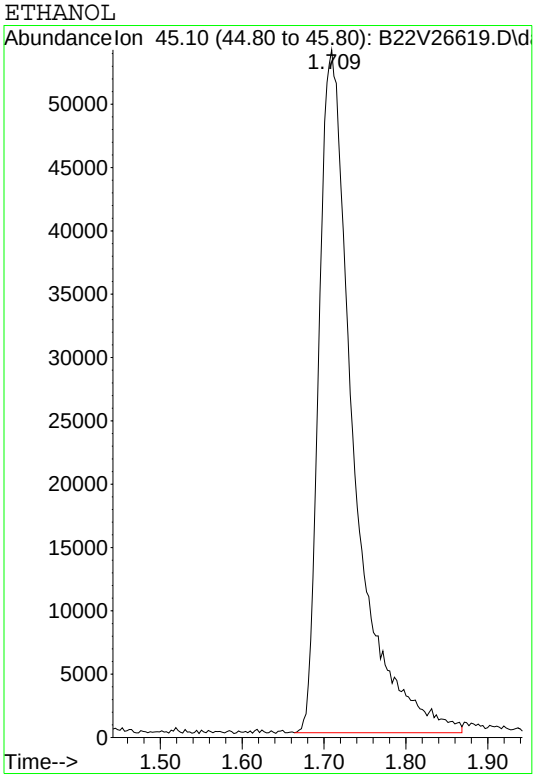
Quant Time: Sep 26 08:12:40 2022
Quant Method : Y:\1\METHODS\B060920W-RT-UPDATE.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Sep 21 11:30:47 2022
Response via : Initial Calibration



Data Path : \\Voa2\MSDChem\1\DATA\B092322\
Data File : B22V26619.D
Acq On : 23 Sep 2022 4:07 pm
Operator :
Sample : ETOH STD 2000 PPB
Misc :

Quant Time : Mon Sep 26 08:12:40 2022
Quant Method : Y:\1\METHODS\B060920W-RT-UPDATE.M
QLast Update : Wed Sep 21 11:30:47 2022

Original Integration
ETHANOL




Original Int. Results
---

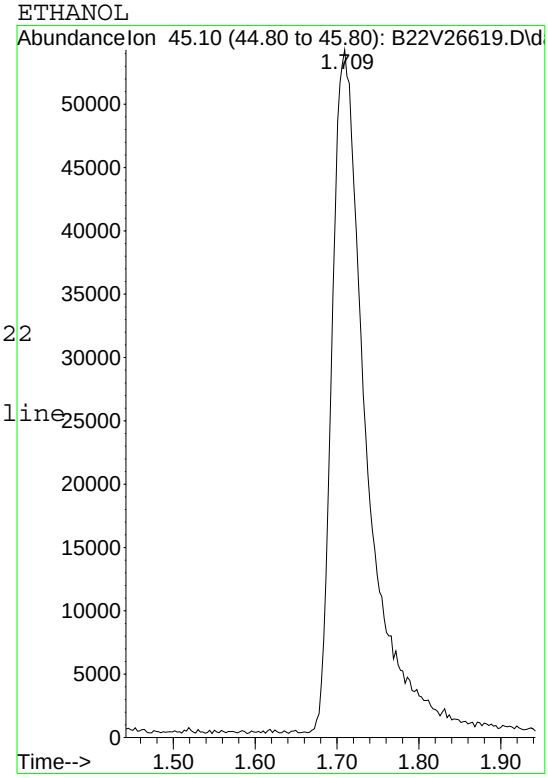
RT : 1.71
Area : 158109
Amount: 2781.52

Manual Int. Results
---

Mon Sep 26 08:12:40 2022

MIuser: LBD
Reason: Incorrect Baseline
RT : 1.71
Area : 166570
Amount: 2930.37

Manual Integration
ETHANOL



Data Path : \\Voa2\MSDChem\1\DATA\B092322\
Data File : B22V26623.D
Acq On : 23 Sep 2022 5:51 pm
Operator :
Sample : ICV 2208129 Inst : GCMSVOA2
Misc :
ALS Vial : 23 Sample Multiplier: 1



Quant Time: Sep 26 08:56:07 2022
Quant Method : Y:\1\METHODS\B092322W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Mon Sep 26 08:20:33 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) PENTAFLUOROBENZENE - ISTD | 3.997 | 168 | 175544 | 30.00 | UG/L | | 0.00 |
| 44) 1,4-DIFLOUROBENZENE - ... | 4.722 | 114 | 267071 | 30.00 | UG/L | | 0.00 |
| 65) CHLOROBENZENE-D5 ISTD | 7.564 | 82 | 144007 | 30.00 | UG/L | | 0.00 |
| 84) 1,4-DICHLOROBENZENE-D4... | 9.860 | 152 | 157536 | 30.00 | UG/L | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 2) 1,2-DICHLOROETHANE-D4 SS | 4.276 | 65 | 101453 | 25.02 | UG/L | | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 100.08% | | | | |
| 45) TOLUENE-D8 SS | 6.160 | 98 | 274201 | 24.88 | UG/L | | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 99.52% | | | | |
| 66) 4-BROMOFLUROBENZENE SS | 8.726 | 95 | 115575 | 25.03 | UG/L | | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 100.12% | | | | |
| Target Compounds | | | | | | | Qvalue |
| 3) DICHLORODIFLOUROMETHANE | 1.030 | 85 | 22352 | 7.28 | UG/L | | 97 |
| 4) DIFLUOROCHLOROMETHANE | 1.039 | 51 | 42378 | 7.28 | UG/L | | 97 |
| 5) CHLOROMETHANE | 1.132 | 50 | 49929 | 8.00 | UG/L | | 96 |
| 6) VINYL CHLORIDE | 1.192 | 62 | 34149 | 8.62 | UG/L | | 95 |
| 7) BROMOMETHANE | 1.368 | 94 | 10726m | 7.30 | UG/L | | |
| 8) CHLOROETHANE | 1.428 | 64 | 21460 | 9.44 | UG/L | | 97 |
| 9) FLUORODICHLOROMETHANE | 1.542 | 67 | 50930 | 10.03 | UG/L | | 98 |
| 10) TRICHLOROFLUOROMETHANE | 1.573 | 101 | 40174 | 10.40 | UG/L | | 95 |
| 11) ETHANOL | 1.695 | 45 | 5844 | 78.90 | UG/L | # | 90 |
| 12) DI ETHYL ETHER | 1.746 | 59 | 29327 | 11.14 | UG/L | | 85 |
| 13) ACROLEIN | 1.840 | 56 | 9553 | 10.70 | UG/L | # | 91 |
| 14) ACETONE | 1.945 | 43 | 135530 | 97.00 | UG/L | | 96 |
| 15) 1,1-DICHLOROETHENE | 1.897 | 61 | 51810 | 10.53 | UG/L | | 93 |
| 16) 1,1,2-TRICL-1,2,2-TRIF... | 1.894 | 101 | 23510 | 10.45 | UG/L | | 97 |
| 17) IODOMETHANE | 2.010 | 142 | 32720 | 9.17 | UG/L | | 97 |
| 18) METHYL ACETATE | 2.172 | 43 | 47972 | 10.21 | UG/L | | 93 |
| 19) T-BUTYL ALCOHOL | 2.352 | 59 | 41603 | 94.23 | UG/L | | 95 |
| 20) ACRYLONITRILE | 2.465 | 53 | 18094 | 9.82 | UG/L | | 97 |
| 21) METHYLENE CHLORIDE | 2.252 | 49 | 62040 | 10.75 | UG/L | # | 86 |
| 22) CARBON DISULFIDE | 2.050 | 76 | 69851 | 10.14 | UG/L | | 99 |
| 23) METHYL TERT-BUTYL ETHE... | 2.462 | 73 | 73306 | 10.28 | UG/L | # | 88 |
| 24) TRANS 1,2-DICHLOROETHENE | 2.462 | 61 | 50760 | 10.90 | UG/L | | 95 |
| 25) 1,1-DICHLOROETHANE | 2.852 | 63 | 63532 | 11.59 | UG/L | | 97 |
| 26) VINYL ACETATE | 2.909 | 43 | 952835 | 91.18 | UG/L | # | 96 |
| 27) DI ISOPROPYL ETHER | 2.911 | 45 | 165321 | 11.10 | UG/L | # | 91 |
| 28) 2-BUTANONE | 3.483 | 43 | 204335 | 97.76 | UG/L | # | 91 |
| 29) T-BUTYL ETHYL ETHER | 3.292 | 59 | 123038 | 10.81 | UG/L | | 97 |
| 30) CIS-1,2-DICHLOROETHENE | 3.443 | 61 | 60845 | 11.46 | UG/L | | 94 |
| 31) 2,2-DICHLOROPROPANE | 3.434 | 77 | 41621 | 10.23 | UG/L | | 99 |
| 32) ETHYL ACETATE | 3.545 | 43 | 51244m | 9.18 | UG/L | | |
| 33) BROMOCHLOROMETHANE | 3.687 | 128 | 13612 | 11.82 | UG/L | # | 79 |
| 34) TETRAHYDROFURAN | 3.738 | 42 | 17114 | 10.76 | UG/L | # | 52 |
| 36) CHLOROFORM | 3.781 | 83 | 50590 | 10.98 | UG/L | | 99 |
| 37) 1,1,1-TRICHLOROETHANE | 3.940 | 97 | 47135 | 11.41 | UG/L | | 96 |
| 38) CYCLOHEXANE | 3.977 | 56 | 84939 | 10.18 | UG/L | | 88 |
| 39) CARBON TETRACHLORIDE | 4.096 | 117 | 41869 | 10.64 | UG/L | | 98 |
| 40) 1,1-DICHLOROPROPENE | 4.105 | 75 | 37782 | 10.59 | UG/L | | 97 |
| 41) BENZENE | 4.315 | 78 | 110667 | 11.47 | UG/L | | 99 |
| 43) T-AMYLMETHYL ETHER | 4.440 | 73 | 78684 | 10.69 | UG/L | | 98 |
| 46) 1,2-DICHLOROETHANE | 4.352 | 62 | 50029 | 11.21 | UG/L | # | 90 |
| 47) TRICHLOROETHENE | 4.963 | 95 | 30068 | 11.65 | UG/L | | 97 |
| 48) METHYLCYCLOHEXANE | 5.128 | 83 | 49758 | 10.88 | UG/L | # | 82 |
| 49) 1,2-DICHLOROPROPANE | 5.191 | 63 | 38088 | 11.90 | UG/L | | 98 |

Data Path : \\Voa2\MSDChem\1\DATA\B092322\
Data File : B22V26623.D
Acq On : 23 Sep 2022 5:51 pm
Operator :
Sample : ICV 2208129 Inst : GCMSVOA2
Misc :
ALS Vial : 23 Sample Multiplier: 1



Quant Time: Sep 26 08:56:07 2022
Quant Method : Y:\1\METHODS\B092322W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Mon Sep 26 08:20:33 2022
Response via : Initial Calibration

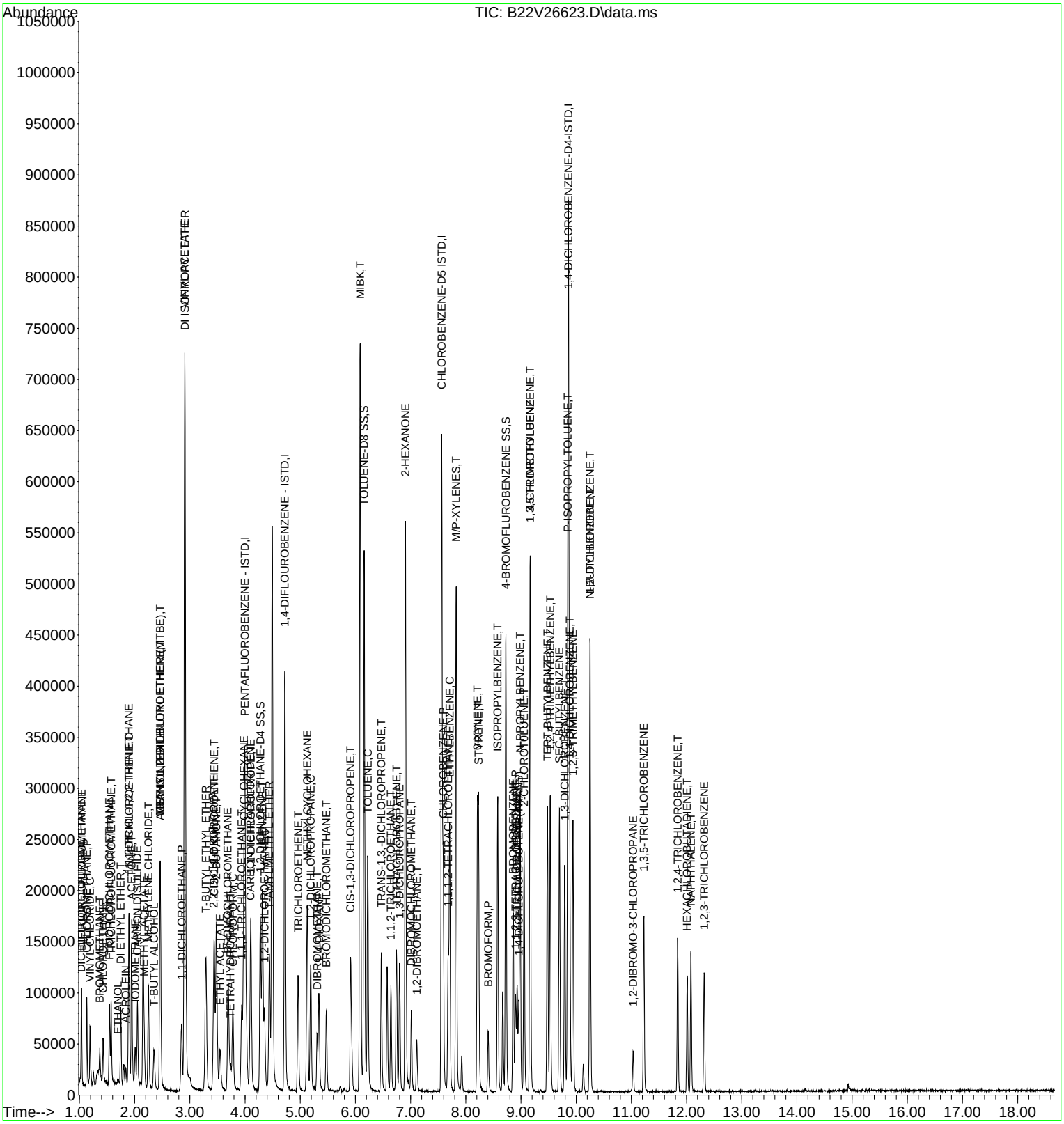
| Compound | R.T. | QIon | Response | Conc Units | | Dev(Min) |
|---|---|---|---|---|---|---|
| 50) DIBROMOMETHANE | 5.307 | 93 | 17829 | 11.84 UG/L | | 96 |
| 51) 1,4-DIOXANE | 5.344 | 88 | 3113m | 83.11 UG/L | | |
| 52) BROMODICHLOROMETHANE | 5.475 | 83 | 40753 | 11.74 UG/L | | 99 |
| 54) MIBK | 6.086 | 43 | 486593 | 100.90 UG/L | # | 95 |
| 55) CIS-1,3-DICHLOROPROPENE | 5.912 | 75 | 47155 | 11.66 UG/L | # | 79 |
| 56) TOLUENE | 6.225 | 91 | 121693 | 11.54 UG/L | | 97 |
| 57) TRANS-1,3,-DICHLOROPRO... | 6.470 | 75 | 44942 | 12.77 UG/L | # | 86 |
| 59) 1,1,2-TRICHLOROETHANE | 6.643 | 97 | 25259 | 11.80 UG/L | | 98 |
| 60) 2-HEXANONE | 6.907 | 43 | 356507 | 98.97 UG/L | # | 95 |
| 61) TETRACHLOROETHENE | 6.745 | 164 | 27238 | 11.65 UG/L | | 97 |
| 62) 1,3-DICHLOROPROPANE | 6.802 | 76 | 44788 | 11.76 UG/L | # | 85 |
| 63) DIBROMOCHLOROMETHANE | 7.015 | 129 | 31955 | 11.29 UG/L | | 100 |
| 64) 1,2-DIBROMOETHANE | 7.112 | 107 | 28403 | 11.79 UG/L | # | 97 |
| 67) CHLOROBENZENE | 7.592 | 112 | 84625 | 11.76 UG/L | | 99 |
| 68) 1,1,1,2-TETRACHLOROETHANE | 7.680 | 131 | 31990 | 11.45 UG/L | | 99 |
| 69) ETHYLBENZENE | 7.709 | 91 | 144962 | 11.80 UG/L | | 98 |
| 70) M/P-XYLENES | 7.825 | 91 | 227958 | 23.35 UG/L | | 97 |
| 71) 0-XYLENE | 8.212 | 91 | 120152 | 11.99 UG/L | | 96 |
| 72) STYRENE | 8.232 | 104 | 96748 | 11.83 UG/L | | 91 |
| 73) BROMOFORM | 8.408 | 173 | 24746 | 11.24 UG/L | # | 98 |
| 74) ISOPROPYLBENZENE | 8.578 | 105 | 155500 | 11.83 UG/L | | 100 |
| 76) 1,1,2,2-TETRACHLOROETHANE | 8.902 | 83 | 37955 | 11.23 UG/L | | 97 |
| 77) 1,4-DICHLORO-2-BUTENE(... | 8.959 | 53 | 18899 | 9.37 UG/L | | 99 |
| 78) BROMOBENZENE | 8.857 | 77 | 57439 | 11.75 UG/L | | 95 |
| 79) 1,2,3-TRICHLOROPROPANE | 8.931 | 110 | 11930 | 11.69 UG/L | | 97 |
| 80) N-PROPYLBENZENE | 8.985 | 91 | 183409 | 11.70 UG/L | | 96 |
| 81) 2-CHLOROT0LUENE | 9.056 | 91 | 104567 | 11.66 UG/L | | 94 |
| 82) 1,3,5-TRIMETHYLBENZENE | 9.164 | 105 | 129347 | 11.53 UG/L | | 96 |
| 83) 4-CHLOROTOLUENE | 9.167 | 91 | 123075 | 11.84 UG/L | | 94 |
| 85) TERT-BUTYLBENZENE | 9.479 | 119 | 109645 | 11.80 UG/L | | 96 |
| 86) 1,2,4-TRIMETHYLBENZENE | 9.530 | 105 | 127012 | 11.87 UG/L | | 97 |
| 87) SEC-BUTYLBENZENE | 9.695 | 105 | 164880 | 12.34 UG/L | | 99 |
| 88) 1,3-DICHLOROBENZENE | 9.792 | 146 | 74625 | 11.79 UG/L | | 98 |
| 89) P-ISOPROPYLTOLUENE | 9.846 | 119 | 139238 | 11.89 UG/L | | 97 |
| 90) 1,4-DICHLOROBENZENE | 9.883 | 146 | 75391 | 11.76 UG/L | | 97 |
| 91) 1,2,3-TRIMETHYLBENZENE | 9.942 | 105 | 123786 | 10.51 UG/L | # | 100 |
| 92) N-BUTYLBENZENE | 10.252 | 91 | 115454 | 10.97 UG/L | | 98 |
| 93) 1,2-DICHLOROBENZENE | 10.249 | 146 | 68453 | 11.98 UG/L | | 98 |
| 94) 1,2-DIBROMO-3-CHLOROPR... | 11.031 | 75 | 7301 | 11.35 UG/L | | 96 |
| 95) 1,3,5-TRICHLOROBENZENE | 11.227 | 180 | 48686 | 10.79 UG/L | | 92 |
| 96) 1,2,4-TRICHLOROBENZENE | 11.838 | 180 | 40699 | 11.86 UG/L | | 96 |
| 97) HEXACHLOROBUTADIENE | 12.011 | 225 | 19401 | 11.13 UG/L | | 97 |
| 98) NAPHTHALENE | 12.080 | 128 | 91026 | 11.81 UG/L | | 100 |
| 99) 1,2,3-TRICHLOROBENZENE | 12.321 | 180 | 32284 | 11.50 UG/L | | 95 |

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

Data Path : \\Voa2\MSDChem\1\DATA\B092322\
Data File : B22V26623.D
Acq On : 23 Sep 2022 5:51 pm
Operator :
Sample : ICV 2208129 Inst : GCMSVOA2
Misc :
ALS Vial : 23 Sample Multiplier: 1



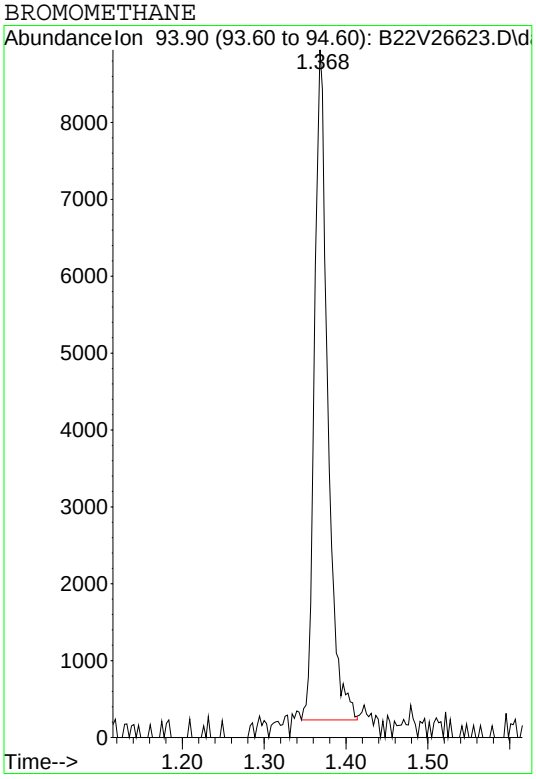
Quant Time: Sep 26 08:56:07 2022
Quant Method : Y:\1\METHODS\B092322W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Mon Sep 26 08:20:33 2022
Response via : Initial Calibration



Data Path : \\Voa2\MSDChem\1\DATA\B092322\
Data File : B22V26623.D
Acq On : 23 Sep 2022 5:51 pm
Operator :
Sample : ICV 2208129
Misc :

Quant Time : Mon Sep 26 08:56:07 2022
Quant Method : Y:\1\METHODS\B092322W.M
QLast Update : Mon Sep 26 08:20:33 2022

Original Integration
BROMOMETHANE




Original Int. Results
---

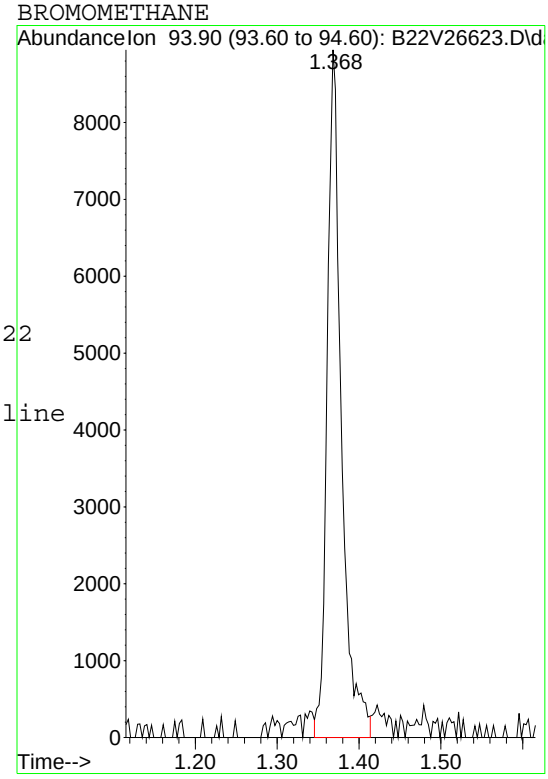
RT : 1.37
Area : 9789
Amount: 6.66544

Manual Int. Results
---

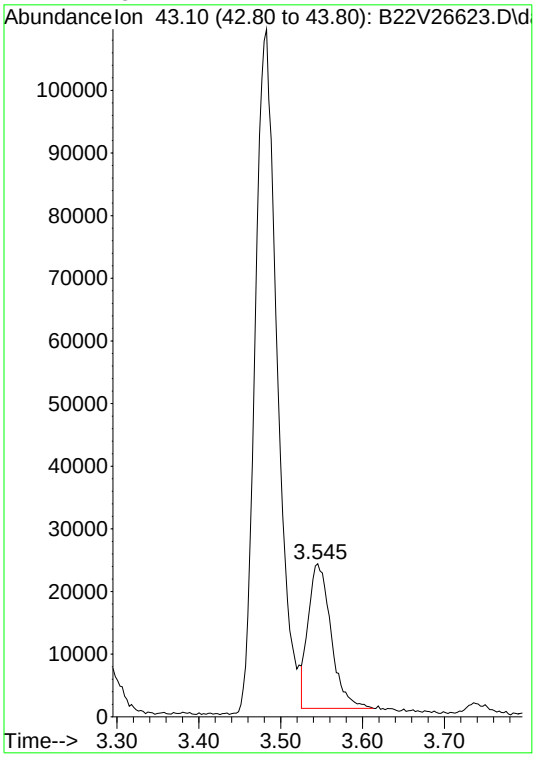
Mon Sep 26 08:53:15 2022

MIuser: LBD
Reason: Incorrect Baseline
RT : 1.37
Area : 10726
Amount: 7.30346

Manual Integration
BROMOMETHANE




Original Integration
ETHYL ACETATE




Original Int. Results
---

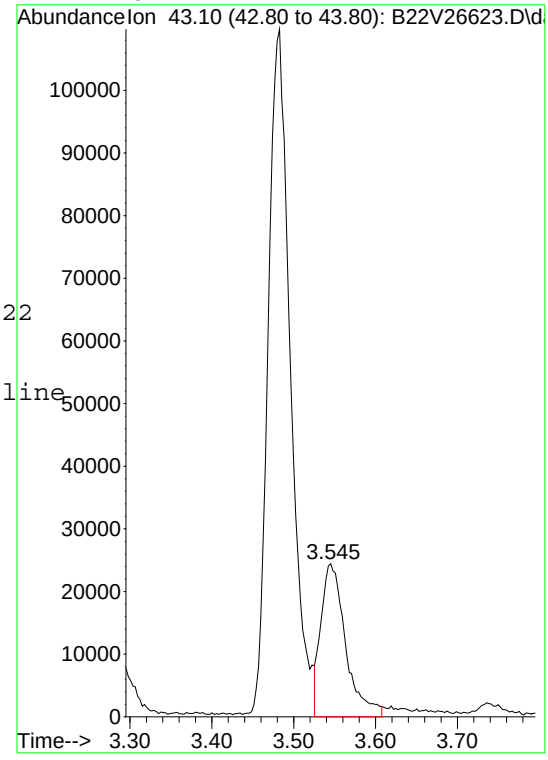
RT : 3.55
Area : 44547
Amount: 7.97985

Manual Int. Results
---

Mon Sep 26 08:53:46 2022

MIuser: LBD
Reason: Incorrect Baseline
RT : 3.55
Area : 51244
Amount: 9.1795

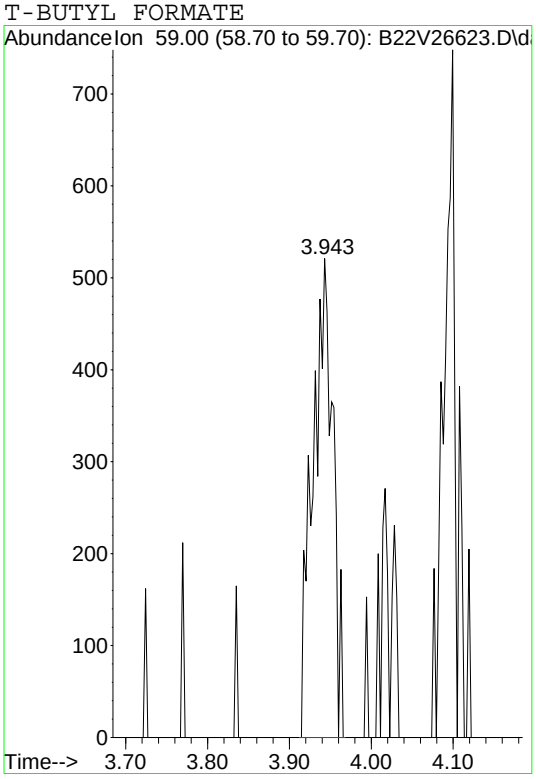
Manual Integration
ETHYL ACETATE



Data Path : \\Voa2\MSDChem\1\DATA\B092322\
Data File : B22V26623.D
Acq On : 23 Sep 2022 5:51 pm
Operator :
Sample : ICV 2208129
Misc :

Quant Time : Mon Sep 26 08:56:07 2022
Quant Method : Y:\1\METHODS\B092322W.M
QLast Update : Mon Sep 26 08:20:33 2022

Original Integration
T-BUTYL FORMATE




Original Int. Results
---

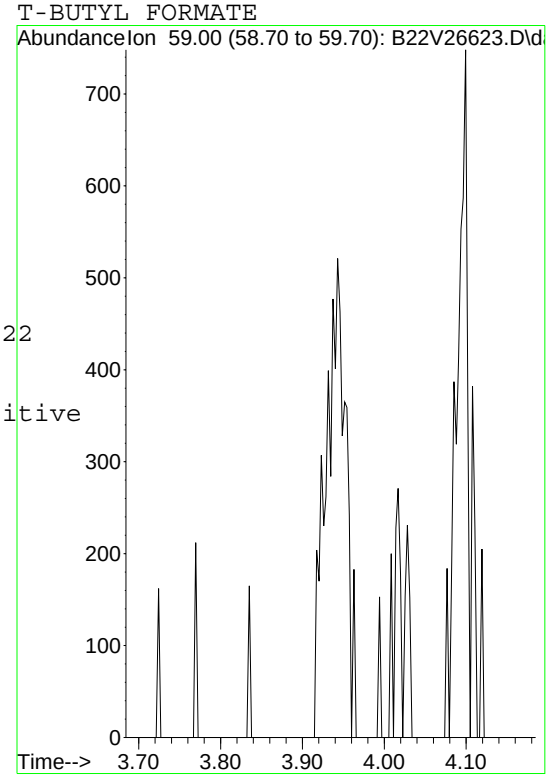
RT : 3.94
Area : 886
Amount: 0

Manual Int. Results
---

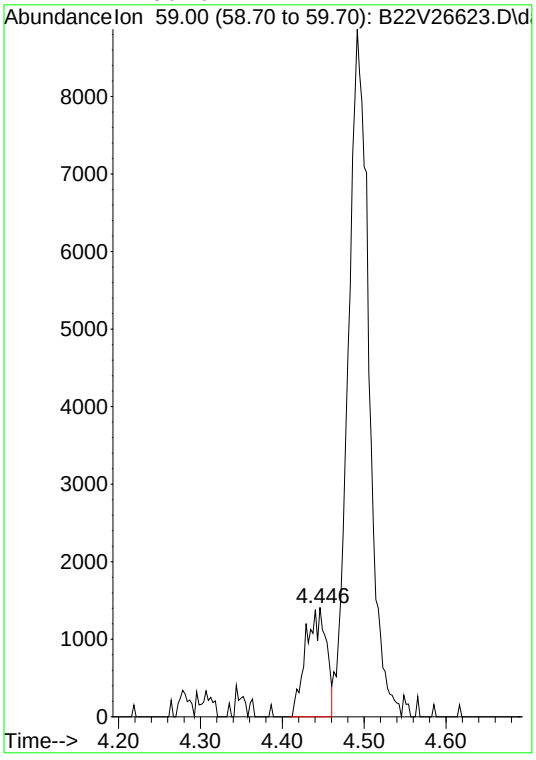
Mon Sep 26 08:55:08 2022

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

Manual Integration
T-BUTYL FORMATE




Original Integration
T-AMYL ALCOHOL




Original Int. Results
---

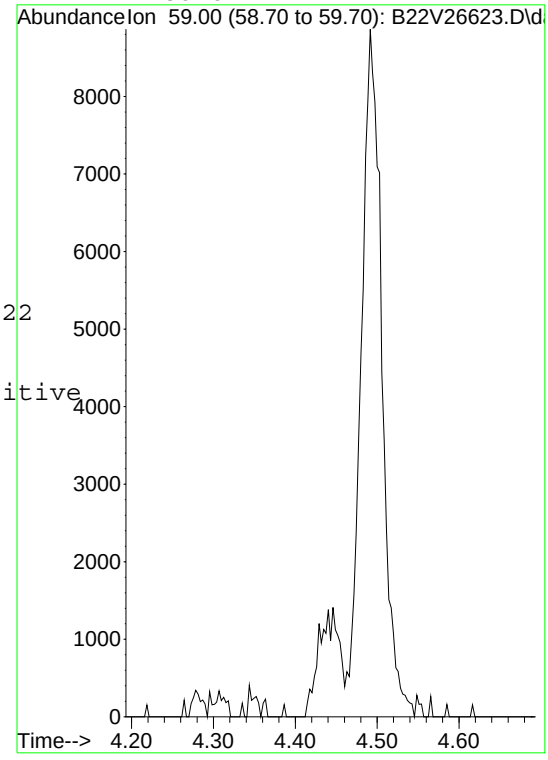
RT : 4.45
Area : 2454
Amount: 0

Manual Int. Results
---

Mon Sep 26 08:55:15 2022

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

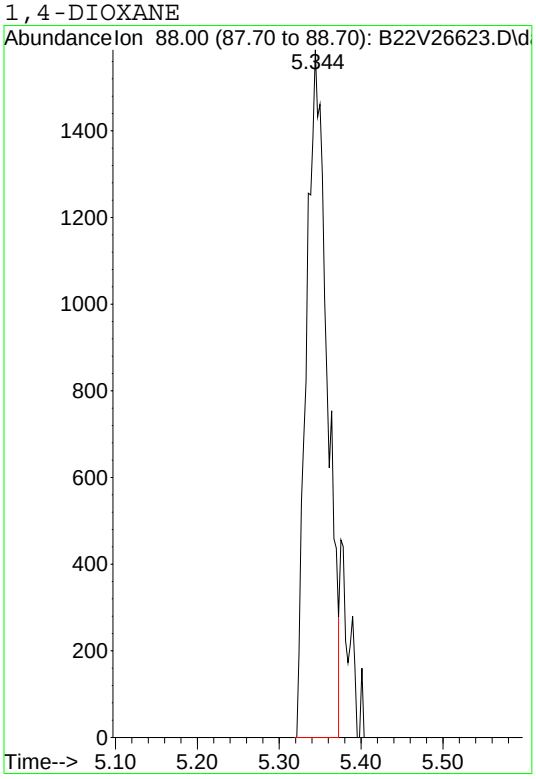
Manual Integration
T-AMYL ALCOHOL



Data Path : \\Voa2\MSDChem\1\DATA\B092322\
Data File : B22V26623.D
Acq On : 23 Sep 2022 5:51 pm
Operator :
Sample : ICV 2208129
Misc :

Quant Time : Mon Sep 26 08:56:07 2022
Quant Method : Y:\1\METHODS\B092322W.M
QLast Update : Mon Sep 26 08:20:33 2022

Original Integration
1,4-DIOXANE




Original Int. Results
---

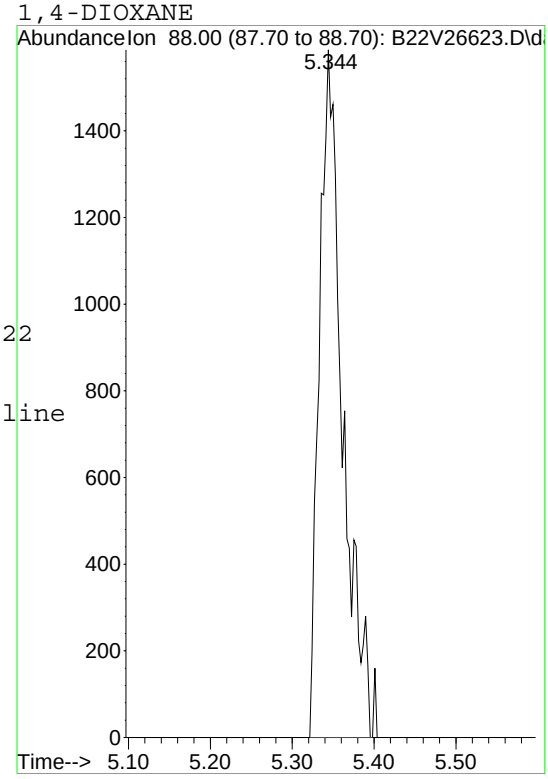
RT : 5.34
Area : 2780
Amount: 74.2154

Manual Int. Results
---

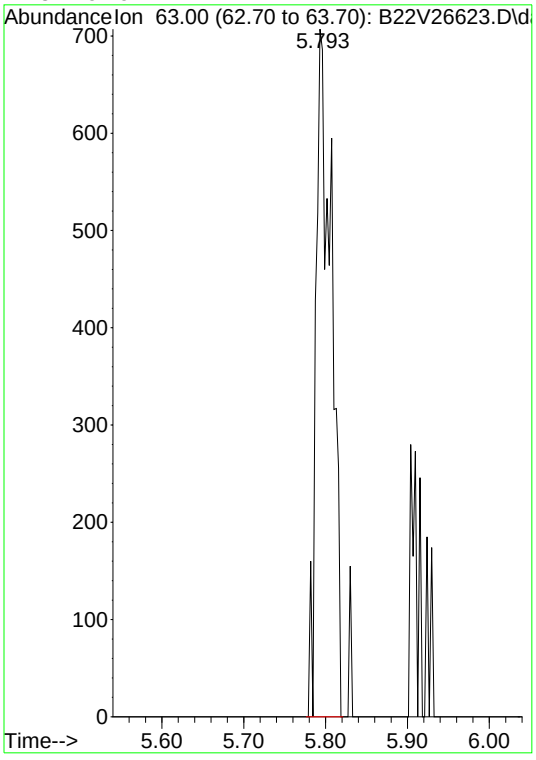
Mon Sep 26 08:55:44 2022

MIuser: LBD
Reason: Incorrect Baseline
RT : 5.34
Area : 3113
Amount: 83.1052

Manual Integration
1,4-DIOXANE




Original Integration
2-CHLOROETHYLVINYLETHER




Original Int. Results
---

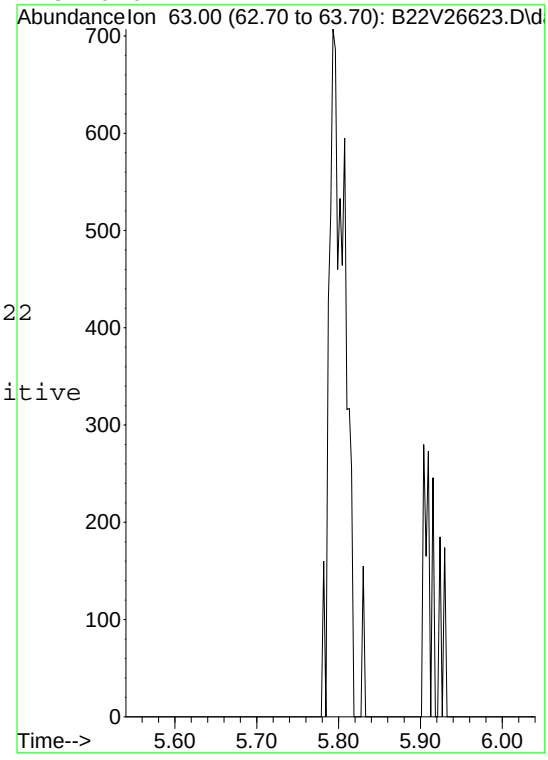
RT : 5.79
Area : 928
Amount: 0.380698

Manual Int. Results
---

Mon Sep 26 08:55:50 2022

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

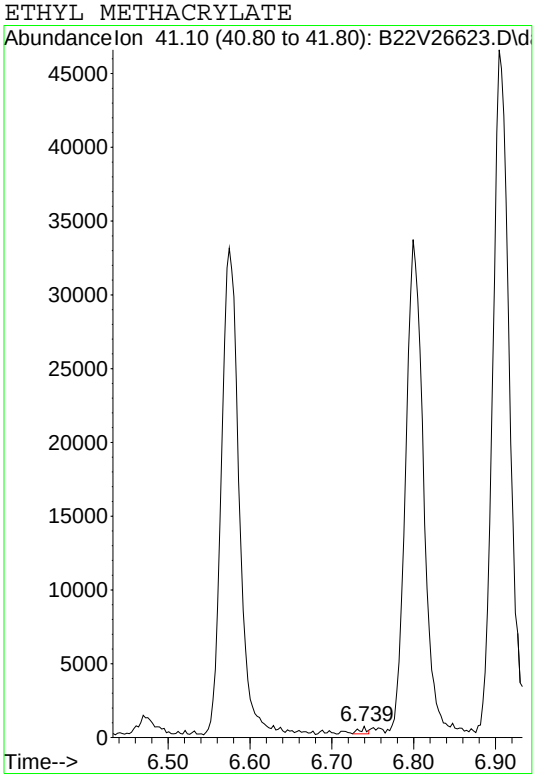
Manual Integration
2-CHLOROETHYLVINYLETHER



Data Path : \\Voa2\MSDChem\1\DATA\B092322\
Data File : B22V26623.D
Acq On : 23 Sep 2022 5:51 pm
Operator :
Sample : ICV 2208129
Misc :

Quant Time : Mon Sep 26 08:56:07 2022
Quant Method : Y:\1\METHODS\B092322W.M
QLast Update : Mon Sep 26 08:20:33 2022

Original Integration
ETHYL METHACRYLATE




Original Int. Results
---

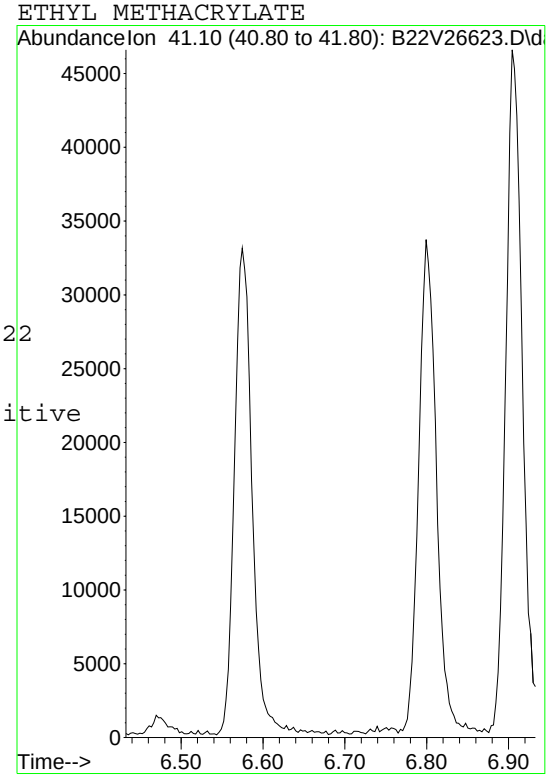
RT : 6.74
Area : 291
Amount: 0

Manual Int. Results
---

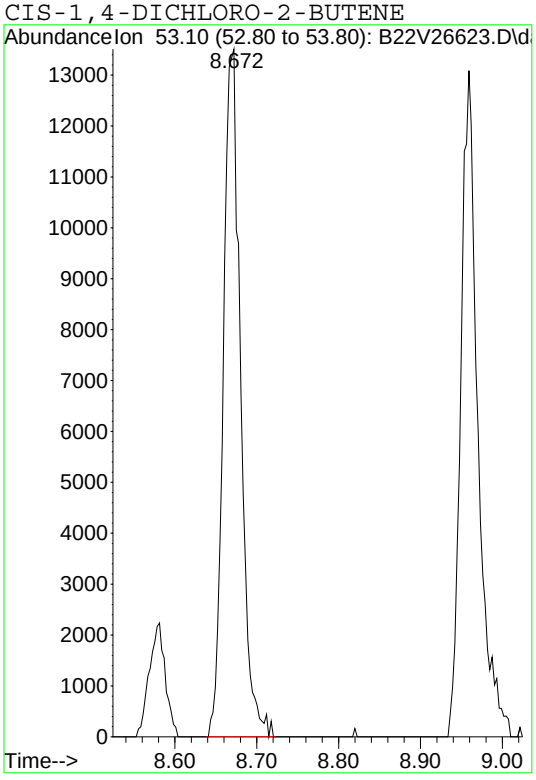
Mon Sep 26 08:55:56 2022

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

Manual Integration
ETHYL METHACRYLATE




Original Integration
CIS-1,4-DICHLORO-2-BUTENE




Original Int. Results
---

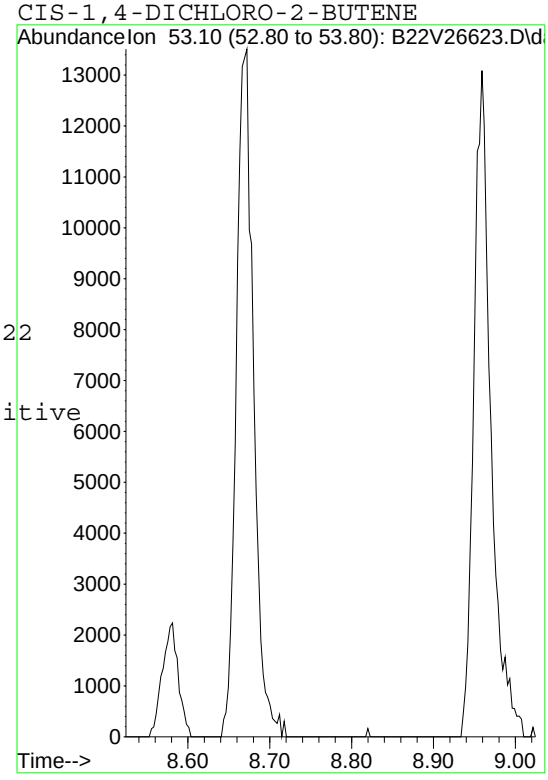
RT : 8.67
Area : 19766
Amount: 0

Manual Int. Results
---

Mon Sep 26 08:56:06 2022

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

Manual Integration
CIS-1,4-DICHLORO-2-BUTENE



# INITIAL CALIBRATION VERIFICATION

## SW-846 8260D

| | | | |
|---|---|---|---|
| Laboratory: | Pace New England | Work Order: | 22K1604 |
| Client: | NYDEC_GES - Amherst, NY | Project: | 275 Franklin St, Buffalo - CO 144192 |
| Instrument ID: | GCMSVOA2 | Calibration: | 2200668 |
| Lab File ID: | B22V26623.D | Calibration Date: | 09/23/22 10:27 |
| Sequence: | S076983 | Injection Date: | 09/23/22 |
| Lab Sample ID: | S076983-ICV1 | Injection Time: | 17:51 |

| | | CONC. (µg/L) | | RESPONSE FACTOR | | | % DIFF / DRIFT | | |
|---|---|---|---|---|---|---|---|---|---|
| COMPOUND | TYPE | STD | ICV | ICAL | ICV | MIN (#) | ICV | LIMIT (#) | |
| Acetone | A | 100 | 97.0 | 0.238786 | 0.2316171 | | -3.0 | 30 | |
| Acrolein | A | 100 | 10.7 | 0.1526143 | 1.632582E-02 | | -89.3 | 30 | * |
| Acrylonitrile | A | 10.0 | 9.82 | 0.315009 | 0.3092216 | | -1.8 | 30 | |
| tert-Amyl Methyl Ether (TAME) | A | 10.0 | 10.7 | 1.257547 | 1.344689 | | 6.9 | 30 | |
| Benzene | A | 10.0 | 11.5 | 1.649064 | 1.891269 | | 14.7 | 30 | |
| Bromobenzene | A | 10.0 | 11.8 | 1.018458 | 1.196588 | | 17.5 | 30 | |
| Bromochloromethane | A | 10.0 | 11.8 | 0.1968477 | 0.2326254 | | 18.2 | 30 | |
| Bromodichloromethane | A | 10.0 | 11.7 | 0.3900733 | 0.4577771 | | 17.4 | 30 | |
| Bromoform | A | 10.0 | 11.2 | 0.4587575 | 0.5155166 | | 12.4 | 30 | |
| Bromomethane | A | 10.0 | 7.30 | 0.2509831 | 0.1833045 | | -27.0 | 30 | |
| 2-Butanone (MEK) | A | 100 | 97.8 | 0.3571896 | 0.349203 | | -2.2 | 30 | |
| tert-Butyl Alcohol (TBA) | A | 100 | 94.2 | 7.544959E-02 | 7.109841E-02 | | -5.8 | 30 | |
| n-Butylbenzene | A | 10.0 | 11.0 | 2.005073 | 2.198621 | | 9.7 | 30 | |
| sec-Butylbenzene | A | 10.0 | 12.3 | 2.545469 | 3.139854 | | 23.4 | 30 | |
| tert-Butylbenzene | A | 10.0 | 11.8 | 1.770109 | 2.087999 | | 18.0 | 30 | |
| tert-Butyl Ethyl Ether (TBEE) | A | 10.0 | 10.8 | 1.945647 | 2.102687 | | 8.1 | 30 | |
| Carbon Disulfide | A | 10.0 | 10.1 | 1.177679 | 1.193735 | | 1.4 | 30 | |
| Carbon Tetrachloride | A | 10.0 | 10.6 | 0.6726032 | 0.71553 | | 6.4 | 30 | |
| Chlorobenzene | A | 10.0 | 11.8 | 1.499661 | 1.762935 | | 17.6 | 30 | |
| Chlorodibromomethane | A | 10.0 | 11.3 | 0.3179661 | 0.3589495 | | 12.9 | 30 | |
| Chloroethane | A | 10.0 | 9.44 | 0.3886458 | 0.3667457 | | -5.6 | 30 | |
| Chloroform | A | 10.0 | 11.0 | 0.7874059 | 0.8645696 | | 9.8 | 30 | |
| Chloromethane | A | 10.0 | 8.00 | 1.066904 | 0.8532733 | | -20.0 | 30 | |
| 2-Chlorotoluene | A | 10.0 | 11.7 | 1.868194 | 2.178373 | | 16.6 | 30 | |
| 4-Chlorotoluene | A | 10.0 | 11.8 | 2.166374 | 2.563938 | | 18.4 | 30 | |
| Cyclohexane | A | 10.0 | 10.2 | 1.425292 | 1.451585 | | 1.8 | 30 | |
| 1,2-Dibromo-3-chloropropane (DBCP) | A | 10.0 | 11.4 | 0.1224495 | 0.1390349 | | 13.5 | 30 | |
| 1,2-Dibromoethane (EDB) | A | 10.0 | 11.8 | 0.2706643 | 0.31905 | | 17.9 | 30 | |
| Dibromomethane | A | 10.0 | 11.8 | 0.1691666 | 0.2002726 | | 18.4 | 30 | |

# INITIAL CALIBRATION VERIFICATION

## SW-846 8260D

| | | | |
|---|---|---|---|
| Laboratory: | Pace New England | Work Order: | 22K1604 |
| Client: | NYDEC_GES - Amherst, NY | Project: | 275 Franklin St, Buffalo - CO 144192 |
| Instrument ID: | GCMSVOA2 | Calibration: | 2200668 |
| Lab File ID: | B22V26623.D | Calibration Date: | 09/23/22 10:27 |
| Sequence: | S076983 | Injection Date: | 09/23/22 |
| Lab Sample ID: | S076983-ICV1 | Injection Time: | 17:51 |

| | | CONC. (µg/L) | | RESPONSE FACTOR | | | % DIFF / DRIFT | |
|---|---|---|---|---|---|---|---|---|
| COMPOUND | TYPE | STD | ICV | ICAL | ICV | MIN (#) | ICV | LIMIT (#) |
| 1,2-Dichlorobenzene | A | 10.0 | 12.0 | 1.087871 | 1.303569 | | 19.8 | 30 |
| 1,3-Dichlorobenzene | A | 10.0 | 11.8 | 1.205725 | 1.421104 | | 17.9 | 30 |
| 1,4-Dichlorobenzene | A | 10.0 | 11.8 | 1.220462 | 1.435691 | | 17.6 | 30 |
| trans-1,4-Dichloro-2-butene | A | 10.0 | 9.37 | 0.4202342 | 0.39371 | | -6.3 | 30 |
| Dichlorodifluoromethane (Freon 12) | A | 10.0 | 7.28 | 0.5245523 | 0.3819897 | | -27.2 | 30 |
| 1,1-Dichloroethane | A | 10.0 | 11.6 | 0.93662 | 1.085745 | | 15.9 | 30 |
| 1,2-Dichloroethane | A | 10.0 | 11.2 | 0.5011401 | 0.5619742 | | 12.1 | 30 |
| 1,1-Dichloroethylene | A | 10.0 | 10.5 | 0.8406581 | 0.885419 | | 5.3 | 30 |
| cis-1,2-Dichloroethylene | A | 10.0 | 11.5 | 0.9069879 | 1.039825 | | 14.6 | 30 |
| trans-1,2-Dichloroethylene | A | 10.0 | 10.9 | 0.7958999 | 0.8674748 | | 9.0 | 30 |
| Dichlorofluoromethane (Freon 21) | A | 10.0 | 10.0 | 0.8677409 | 0.8703801 | | 0.3 | 30 |
| 1,2-Dichloropropane | A | 10.0 | 11.9 | 0.3595268 | 0.4278413 | | 19.0 | 30 |
| 1,3-Dichloropropane | A | 10.0 | 11.8 | 0.4279134 | 0.5031022 | | 17.6 | 30 |
| 2,2-Dichloropropane | A | 10.0 | 10.2 | 0.6950154 | 0.7112918 | | 2.3 | 30 |
| 1,1-Dichloropropene | A | 10.0 | 10.6 | 0.6097073 | 0.6456843 | | 5.9 | 30 |
| cis-1,3-Dichloropropene | A | 10.0 | 11.7 | 0.4543908 | 0.5296906 | | 16.6 | 30 |
| trans-1,3-Dichloropropene | A | 10.0 | 12.8 | 0.3954146 | 0.504832 | | 27.7 | 30 |
| Diethyl Ether | A | 10.0 | 11.1 | 0.4498622 | 0.5011906 | | 11.4 | 30 |
| Difluorochloromethane (Freon 22) | A | 10.0 | 7.28 | 0.9947701 | 0.7242287 | | -27.2 | 30 |
| Diisopropyl Ether (DIPE) | A | 10.0 | 11.1 | 2.546082 | 2.825292 | | 11.0 | 30 |
| 1,4-Dioxane | A | 100 | 83.1 | 4.207708E-03 | 3.496823E-03 | | -16.9 | 30 |
| Ethanol | A | 100 | 78.9 | 1.265842E-02 | 9.98724E-03 | | -21.1 | 30 |
| Ethyl Acetate | A | 10.0 | 9.18 | 0.9540238 | 0.8757463 | | -8.2 | 30 |
| Ethylbenzene | A | 10.0 | 11.8 | 2.559739 | 3.019895 | | 18.0 | 30 |
| Hexachlorobutadiene | A | 10.0 | 11.1 | 0.3320099 | 0.3694584 | | 11.3 | 30 |
| 2-Hexanone (MBK) | A | 100 | 99.0 | 0.4046183 | 0.4004632 | | -1.0 | 30 |
| Iodomethane | A | 10.0 | 9.17 | 0.6095881 | 0.559176 | | -8.3 | 30 |
| Isopropylbenzene (Cumene) | A | 10.0 | 11.8 | 2.737554 | 3.239426 | | 18.3 | 30 |

# INITIAL CALIBRATION VERIFICATION

## SW-846 8260D

| | | | |
|---|---|---|---|
| Laboratory: | Pace New England | Work Order: | 22K1604 |
| Client: | NYDEC_GES - Amherst, NY | Project: | 275 Franklin St, Buffalo - CO 144192 |
| Instrument ID: | GCMSVOA2 | Calibration: | 2200668 |
| Lab File ID: | B22V26623.D | Calibration Date: | 09/23/22 10:27 |
| Sequence: | S076983 | Injection Date: | 09/23/22 |
| Lab Sample ID: | S076983-ICV1 | Injection Time: | 17:51 |

| | | CONC. (µg/L) | | RESPONSE FACTOR | | | % DIFF / DRIFT | |
|---|---|---|---|---|---|---|---|---|
| COMPOUND | TYPE | STD | ICV | ICAL | ICV | MIN (#) | ICV | LIMIT (#) |
| p-Isopropyltoluene (p-Cymene) | A | 10.0 | 11.9 | 2.23095 | 2.651546 | | 18.9 | 30 |
| Methyl Acetate | A | 10.0 | 10.2 | 0.8029664 | 0.8198286 | | 2.1 | 30 |
| Methyl tert-Butyl Ether (MTBE) | A | 10.0 | 10.3 | 1.219111 | 1.25278 | | 2.8 | 30 |
| Methyl Cyclohexane | A | 10.0 | 10.9 | 0.5137859 | 0.55893 | | 8.8 | 30 |
| Methylene Chloride | A | 10.0 | 10.8 | 0.9862663 | 1.060247 | | 7.5 | 30 |
| 4-Methyl-2-pentanone (MIBK) | A | 100 | 101 | 0.541737 | 0.5465884 | | 0.9 | 30 |
| Naphthalene | A | 10.0 | 11.8 | 1.468087 | 1.733432 | | 18.1 | 30 |
| n-Propylbenzene | A | 10.0 | 11.7 | 3.265343 | 3.820835 | | 17.0 | 30 |
| Styrene | A | 10.0 | 11.8 | 1.704195 | 2.015485 | | 18.3 | 30 |
| 1,1,1,2-Tetrachloroethane | A | 10.0 | 11.4 | 0.5819096 | 0.6664259 | | 14.5 | 30 |
| 1,1,2,2-Tetrachloroethane | A | 10.0 | 11.2 | 0.7038898 | 0.7906907 | | 12.3 | 30 |
| Tetrachloroethylene | A | 10.0 | 11.6 | 0.2627327 | 0.3059636 | | 16.5 | 30 |
| Tetrahydrofuran | A | 10.0 | 10.8 | 0.2719098 | 0.2924737 | | 7.6 | 30 |
| Toluene | A | 10.0 | 11.5 | 1.184721 | 1.366974 | | 15.4 | 30 |
| 1,2,3-Trichlorobenzene | A | 10.0 | 11.5 | 0.5344218 | 0.6147928 | | 15.0 | 30 |
| 1,2,4-Trichlorobenzene | A | 10.0 | 11.9 | 0.6532933 | 0.7750419 | | 18.6 | 30 |
| 1,3,5-Trichlorobenzene | A | 10.0 | 10.8 | 0.859638 | 0.9271405 | | 7.9 | 30 |
| 1,1,1-Trichloroethane | A | 10.0 | 11.4 | 0.7059811 | 0.8055245 | | 14.1 | 30 |
| 1,1,2-Trichloroethane | A | 10.0 | 11.8 | 0.2405517 | 0.2837335 | | 18.0 | 30 |
| Trichloroethylene | A | 10.0 | 11.6 | 0.2898346 | 0.3377529 | | 16.5 | 30 |
| Trichlorofluoromethane (Freon 11) | A | 10.0 | 10.4 | 0.6600919 | 0.6865629 | | 4.0 | 30 |
| 1,2,3-Trichloropropane | A | 10.0 | 11.7 | 0.2125383 | 0.2485296 | | 16.9 | 30 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | A | 10.0 | 10.4 | 0.38434 | 0.4017796 | | 4.5 | 30 |
| 1,2,3-Trimethylbenzene | A | 10.0 | 10.5 | 2.242096 | 2.35729 | | 5.1 | 30 |
| 1,2,4-Trimethylbenzene | A | 10.0 | 11.9 | 2.038439 | 2.418723 | | 18.7 | 30 |
| 1,3,5-Trimethylbenzene | A | 10.0 | 11.5 | 2.336371 | 2.694598 | | 15.3 | 30 |
| Vinyl Acetate | A | 100 | 91.2 | 1.785814 | 1.62837 | | -8.8 | 30 |
| Vinyl Chloride | A | 10.0 | 8.62 | 0.6770396 | 0.5835973 | | -13.8 | 30 |

# INITIAL CALIBRATION VERIFICATION

## SW-846 8260D

| | | | |
|---|---|---|---|
| Laboratory: | Pace New England | Work Order: | 22K1604 |
| Client: | NYDEC_GES - Amherst, NY | Project: | 275 Franklin St, Buffalo - CO 144192 |
| Instrument ID: | GCMSVOA2 | Calibration: | 2200668 |
| Lab File ID: | B22V26623.D | Calibration Date: | 09/23/22 10:27 |
| Sequence: | S076983 | Injection Date: | 09/23/22 |
| Lab Sample ID: | S076983-ICV1 | Injection Time: | 17:51 |

| | | CONC. (µg/L) | | RESPONSE FACTOR | | | % DIFF / DRIFT | |
|---|---|---|---|---|---|---|---|---|
| COMPOUND | TYPE | STD | ICV | ICAL | ICV | MIN (#) | ICV | LIMIT (#) |
| m+p Xylene | A | 20.0 | 23.4 | 2.033565 | 2.374447 | | 16.8 | 30 |
| o-Xylene | A | 10.0 | 12.0 | 2.086783 | 2.503045 | | 19.9 | 30 |
| 1,2-Dichloroethane-d4 | A | 25.0 | 25.0 | 0.6928696 | 0.6935219 | | 0.09 | |
| Toluene-d8 | A | 25.0 | 24.9 | 1.237958 | 1.232036 | | -0.5 | |
| 4-Bromofluorobenzene | A | 25.0 | 25.0 | 0.9618698 | 0.9630782 | | 0.1 | |

# 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: | 22K1604 |
| Client: | NYDEC_GES - Amherst, NY | Project: | 275 Franklin St, Buffalo - CO 144192 |
| Instrument ID: | GCMSVOA2 | Calibration: | 2200668 |
| Lab File ID: | B22V31806.D | Calibration Date: | 09/23/22 10:27 |
| Sequence: | S079358 | Injection Date: | 11/14/22 |
| Lab Sample ID: | S079358-CCV1 | Injection Time: | 08:35 |

| | | CONC. (µg/L) | | RESPONSE FACTOR | | | % DIFF / DRIFT | | |
|---|---|---|---|---|---|---|---|---|---|
| COMPOUND | TYPE | STD | CCV | ICAL | CCV | MIN (#) | CCV | LIMIT (#) | |
| Acetone | A | 100 | 120 | 0.238786 | 0.285934 | | 19.7 | 20 | |
| Benzene | A | 10.0 | 9.74 | 1.649064 | 1.605756 | | -2.6 | 20 | |
| Bromochloromethane | A | 10.0 | 10.9 | 0.1968477 | 0.2142892 | | 8.9 | 20 | |
| Bromodichloromethane | A | 10.0 | 10.1 | 0.3900733 | 0.3954999 | | 1.4 | 20 | |
| Bromoform | A | 10.0 | 9.45 | 0.4587575 | 0.433298 | | -5.5 | 20 | |
| Bromomethane | A | 10.0 | 6.26 | 0.2509831 | 0.1570972 | | -37.4 | 20 | * |
| 2-Butanone (MEK) | A | 100 | 111 | 0.3571896 | 0.3977399 | | 11.4 | 20 | |
| Carbon Disulfide | A | 100 | 105 | 1.177679 | 1.241248 | | 5.4 | 20 | |
| Carbon Tetrachloride | A | 10.0 | 9.98 | 0.6726032 | 0.6715678 | | -0.2 | 20 | |
| Chlorobenzene | A | 10.0 | 10.4 | 1.499661 | 1.566182 | | 4.4 | 20 | |
| Chlorodibromomethane | A | 10.0 | 9.98 | 0.3179661 | 0.3171758 | | -0.2 | 20 | |
| Chloroethane | A | 10.0 | 10.7 | 0.3886458 | 0.4162507 | | 7.1 | 20 | |
| Chloroform | A | 10.0 | 9.63 | 0.7874059 | 0.75807 | | -3.7 | 20 | |
| Chloromethane | A | 10.0 | 8.37 | 1.066904 | 0.8932407 | | -16.3 | 20 | |
| Cyclohexane | A | 10.0 | 10.4 | 1.425292 | 1.490088 | | 4.5 | 20 | |
| 1,2-Dibromo-3-chloropropane (DBCP) | A | 10.0 | 7.73 | 0.1224495 | 9.462828E-02 | | -22.7 | 20 | * |
| 1,2-Dibromoethane (EDB) | A | 10.0 | 10.9 | 0.2706643 | 0.2939992 | | 8.6 | 20 | |
| 1,2-Dichlorobenzene | A | 10.0 | 9.32 | 1.087871 | 1.013879 | | -6.8 | 20 | |
| 1,3-Dichlorobenzene | A | 10.0 | 9.23 | 1.205725 | 1.112851 | | -7.7 | 20 | |
| 1,4-Dichlorobenzene | A | 10.0 | 9.26 | 1.220462 | 1.130525 | | -7.4 | 20 | |
| Dichlorodifluoromethane (Freon 12) | A | 10.0 | 10.3 | 0.5245523 | 0.5408112 | | 3.1 | 20 | |
| 1,1-Dichloroethane | A | 10.0 | 10.7 | 0.93662 | 1.003451 | | 7.1 | 20 | |
| 1,2-Dichloroethane | A | 10.0 | 10.9 | 0.5011401 | 0.5443565 | | 8.6 | 20 | |
| 1,1-Dichloroethylene | A | 10.0 | 11.3 | 0.8406581 | 0.94902 | | 12.9 | 20 | |
| cis-1,2-Dichloroethylene | A | 10.0 | 10.6 | 0.9069879 | 0.9655853 | | 6.5 | 20 | |
| trans-1,2-Dichloroethylene | A | 10.0 | 10.8 | 0.7958999 | 0.8601262 | | 8.1 | 20 | |
| 1,2-Dichloropropane | A | 10.0 | 10.9 | 0.3595268 | 0.3909594 | | 8.7 | 20 | |
| cis-1,3-Dichloropropene | A | 10.0 | 9.95 | 0.4543908 | 0.4521904 | | -0.5 | 20 | |
| trans-1,3-Dichloropropene | A | 10.0 | 9.92 | 0.3954146 | 0.3921496 | | -0.8 | 20 | |

# CONTINUING CALIBRATION VERIFICATION

## SW-846 8260D

| | | | |
|---|---|---|---|
| Laboratory: | Pace New England | Work Order: | 22K1604 |
| Client: | NYDEC_GES - Amherst, NY | Project: | 275 Franklin St, Buffalo - CO 144192 |
| Instrument ID: | GCMSVOA2 | Calibration: | 2200668 |
| Lab File ID: | B22V31806.D | Calibration Date: | 09/23/22 10:27 |
| Sequence: | S079358 | Injection Date: | 11/14/22 |
| Lab Sample ID: | S079358-CCV1 | Injection Time: | 08:35 |

| | | CONC. (µg/L) | | RESPONSE FACTOR | | | % DIFF / DRIFT | | |
|---|---|---|---|---|---|---|---|---|---|
| COMPOUND | TYPE | STD | CCV | ICAL | CCV | MIN (#) | CCV | LIMIT (#) | |
| 1,4-Dioxane | A | 100 | 93.5 | 4.207708E-03 | 3.93439E-03 | | -6.5 | 20 | |
| Ethylbenzene | A | 10.0 | 10.6 | 2.559739 | 2.703743 | | 5.6 | 20 | |
| 2-Hexanone (MBK) | A | 100 | 114 | 0.4046183 | 0.4593417 | | 13.5 | 20 | |
| Isopropylbenzene (Cumene) | A | 10.0 | 10.0 | 2.737554 | 2.741505 | | 0.1 | 20 | |
| Methyl Acetate | A | 10.0 | 12.3 | 0.8029664 | 0.9843336 | | 22.6 | 20 | * |
| Methyl tert-Butyl Ether (MTBE) | A | 10.0 | 9.88 | 1.219111 | 1.204305 | | -1.2 | 20 | |
| Methyl Cyclohexane | A | 10.0 | 10.2 | 0.5137859 | 0.5217861 | | 1.6 | 20 | |
| Methylene Chloride | A | 10.0 | 10.8 | 0.9862663 | 1.064929 | | 8.0 | 20 | |
| 4-Methyl-2-pentanone (MIBK) | A | 100 | 113 | 0.541737 | 0.6115177 | | 12.9 | 20 | |
| Styrene | A | 10.0 | 9.98 | 1.704195 | 1.701369 | | -0.2 | 20 | |
| 1,1,2,2-Tetrachloroethane | A | 10.0 | 9.83 | 0.7038898 | 0.6919313 | | -1.7 | 20 | |
| Tetrachloroethylene | A | 10.0 | 11.5 | 0.2627327 | 0.3020664 | | 15.0 | 20 | |
| Toluene | A | 10.0 | 10.8 | 1.184721 | 1.282633 | | 8.3 | 20 | |
| 1,2,3-Trichlorobenzene | A | 10.0 | 8.21 | 0.5344218 | 0.4388821 | | -17.9 | 20 | |
| 1,2,4-Trichlorobenzene | A | 10.0 | 8.85 | 0.6532933 | 0.5784516 | | -11.5 | 20 | |
| 1,1,1-Trichloroethane | A | 10.0 | 10.4 | 0.7059811 | 0.7352606 | | 4.1 | 20 | |
| 1,1,2-Trichloroethane | A | 10.0 | 10.6 | 0.2405517 | 0.2560329 | | 6.4 | 20 | |
| Trichloroethylene | A | 10.0 | 11.2 | 0.2898346 | 0.3253641 | | 12.3 | 20 | |
| Trichlorofluoromethane (Freon 11) | A | 10.0 | 10.7 | 0.6600919 | 0.7070418 | | 7.1 | 20 | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | A | 10.0 | 11.4 | 0.38434 | 0.4370857 | | 13.7 | 20 | |
| Vinyl Chloride | A | 10.0 | 10.8 | 0.6770396 | 0.7320824 | | 8.1 | 20 | |
| m+p Xylene | A | 20.0 | 20.9 | 2.033565 | 2.122217 | | 4.4 | 20 | |
| o-Xylene | A | 10.0 | 10.3 | 2.086783 | 2.151792 | | 3.1 | 20 | |
| 1,2-Dichloroethane-d4 | A | 25.0 | 23.8 | 0.6928696 | 0.6597538 | | -4.8 | | |
| Toluene-d8 | A | 25.0 | 24.6 | 1.237958 | 1.21892 | | -1.5 | | |
| 4-Bromofluorobenzene | A | 25.0 | 25.4 | 0.9618698 | 0.9771757 | | 1.6 | | |

# Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

Data Path : \\Voa2\MSDChem\1\DATA\B111422\
Data File : B22V31806.D
Acq On : 14 Nov 2022 8:35 am
Operator :
Sample : BFB/8260 STD 10PPB 2211048 Inst : GCMSVOA2
Misc :
ALS Vial : 6 Sample Multiplier: 1



Quant Time: Nov 14 08:54:40 2022
Quant Method : C:\MSDCHEM\1\METHODS\B092322W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Mon Oct 03 14:02:43 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| 1) PENTAFLUOROBENZENE - ISTD | 3.993 | 168 | 186897 | 30.00 | UG/L | | 0.00 |
| 44) 1,4-DIFLOUROBENZENE - ... | 4.718 | 114 | 272215 | 30.00 | UG/L | | 0.00 |
| 65) CHLOROBENZENE-D5 ISTD | 7.563 | 82 | 152057 | 30.00 | UG/L | | 0.00 |
| 84) 1,4-DICHLOROBENZENE-D4... | 9.859 | 152 | 178900 | 30.00 | UG/L | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 2) 1,2-DICHLOROETHANE-D4 SS | 4.272 | 65 | 102755 | 23.81 | UG/L | | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 95.24% | | | | |
| 45) TOLUENE-D8 SS | 6.156 | 98 | 276507 | 24.62 | UG/L | | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 98.48% | | | | |
| 66) 4-BROMOFLUROBENZENE SS | 8.725 | 95 | 123822 | 25.40 | UG/L | | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 101.60% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 3) DICHLORODIFLOUROMETHANE | 1.026 | 85 | 33692 | 10.31 | UG/L | | 99 |
| 4) DIFLUOROCHLOROMETHANE | 1.035 | 51 | 71007 | 11.46 | UG/L | # | 93 |
| 5) CHLOROMETHANE | 1.129 | 50 | 55648 | 8.37 | UG/L | | 97 |
| 6) VINYL CHLORIDE | 1.188 | 62 | 45608 | 10.81 | UG/L | | 94 |
| 7) BROMOMETHANE | 1.359 | 94 | 9787 | 6.26 | UG/L | # | 79 |
| 8) CHLOROETHANE | 1.421 | 64 | 25932 | 10.71 | UG/L | | 100 |
| 9) FLUORODICHLOROMETHANE | 1.538 | 67 | 58129 | 10.75 | UG/L | | 98 |
| 10) TRICHLOROFLUOROMETHANE | 1.566 | 101 | 44048 | 10.71 | UG/L | | 90 |
| 11) ETHANOL | 1.703 | 45 | 8881 | 112.62 | UG/L | # | 70 |
| 12) DI ETHYL ETHER | 1.745 | 59 | 30315 | 10.82 | UG/L | # | 81 |
| 13) ACROLEIN | 1.839 | 56 | 82214 | 86.47 | UG/L | # | 89 |
| 14) ACETONE | 1.941 | 43 | 178134 | 119.74 | UG/L | | 94 |
| 15) 1,1-DICHLOROETHENE | 1.893 | 61 | 59123 | 11.29 | UG/L | | 91 |
| 16) 1,1,2-TRICL-1,2,2-TRIF... | 1.887 | 101 | 27230 | 11.37 | UG/L | | 100 |
| 17) IODOMETHANE | 2.004 | 142 | 279924 | 73.71 | UG/L | | 98 |
| 18) METHYL ACETATE | 2.172 | 43 | 61323 | 12.26 | UG/L | # | 89 |
| 19) T-BUTYL ALCOHOL | 2.351 | 59 | 47087 | 100.18 | UG/L | | 96 |
| 20) ACRYLONITRILE | 2.456 | 53 | 19314 | 9.84 | UG/L | | 98 |
| 21) METHYLENE CHLORIDE | 2.245 | 49 | 66344 | 10.80 | UG/L | # | 81 |
| 22) CARBON DISULFIDE | 2.046 | 76 | 773285 | 105.40 | UG/L | | 99 |
| 23) METHYL TERT-BUTYL ETHE... | 2.456 | 73 | 75027 | 9.88 | UG/L | # | 84 |
| 24) TRANS 1,2-DICHLOROETHENE | 2.459 | 61 | 53585 | 10.81 | UG/L | | 91 |
| 25) 1,1-DICHLOROETHANE | 2.842 | 63 | 62514 | 10.71 | UG/L | | 97 |
| 26) VINYL ACETATE | 2.905 | 43 | 1033026 | 92.85 | UG/L | # | 94 |
| 27) DI ISOPROPYL ETHER | 2.908 | 45 | 169113 | 10.66 | UG/L | # | 88 |
| 28) 2-BUTANONE | 3.476 | 43 | 247788 | 111.35 | UG/L | # | 89 |
| 29) T-BUTYL ETHYL ETHER | 3.288 | 59 | 123823 | 10.22 | UG/L | | 96 |
| 30) CIS-1,2-DICHLOROETHENE | 3.439 | 61 | 60155 | 10.65 | UG/L | | 92 |
| 31) 2,2-DICHLOROPROPANE | 3.430 | 77 | 43038 | 9.94 | UG/L | | 99 |
| 32) ETHYL ACETATE | 3.541 | 43 | 51600 | 8.68 | UG/L | | 99 |
| 33) BROMOCHLOROMETHANE | 3.686 | 128 | 13350 | 10.89 | UG/L | # | 72 |
| 34) TETRAHYDROFURAN | 3.732 | 42 | 18221 | 10.76 | UG/L | # | 83 |
| 36) CHLOROFORM | 3.774 | 83 | 47227 | 9.63 | UG/L | | 97 |
| 37) 1,1,1-TRICHLOROETHANE | 3.939 | 97 | 45806 | 10.41 | UG/L | | 95 |
| 38) CYCLOHEXANE | 3.970 | 56 | 92831 | 10.45 | UG/L | # | 88 |
| 39) CARBON TETRACHLORIDE | 4.093 | 117 | 41838 | 9.98 | UG/L | | 97 |
| 40) 1,1-DICHLOROPROPENE | 4.101 | 75 | 38092 | 10.03 | UG/L | | 98 |
| 41) BENZENE | 4.312 | 78 | 100037 | 9.74 | UG/L | | 99 |
| 43) T-AMYLMETHYL ETHER | 4.439 | 73 | 74080 | 9.46 | UG/L | # | 87 |
| 46) 1,2-DICHLOROETHANE | 4.348 | 62 | 49394 | 10.86 | UG/L | | 95 |
| 47) TRICHLOROETHENE | 4.959 | 95 | 29523 | 11.23 | UG/L | | 96 |
| 48) METHYLCYCLOHEXANE | 5.124 | 83 | 47346 | 10.16 | UG/L | # | 74 |
| 49) 1,2-DICHLOROPROPANE | 5.184 | 63 | 35475 | 10.87 | UG/L | | 94 |

Data Path : \\Voa2\MSDChem\1\DATA\B111422\
Data File : B22V31806.D
Acq On : 14 Nov 2022 8:35 am
Operator :
Sample : BFB/8260 STD 10PPB 2211048 Inst : GCMSVOA2
Misc :
ALS Vial : 6 Sample Multiplier: 1



Quant Time: Nov 14 08:54:40 2022
Quant Method : C:\MSDCHEM\1\METHODS\B092322W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Mon Oct 03 14:02:43 2022
Response via : Initial Calibration

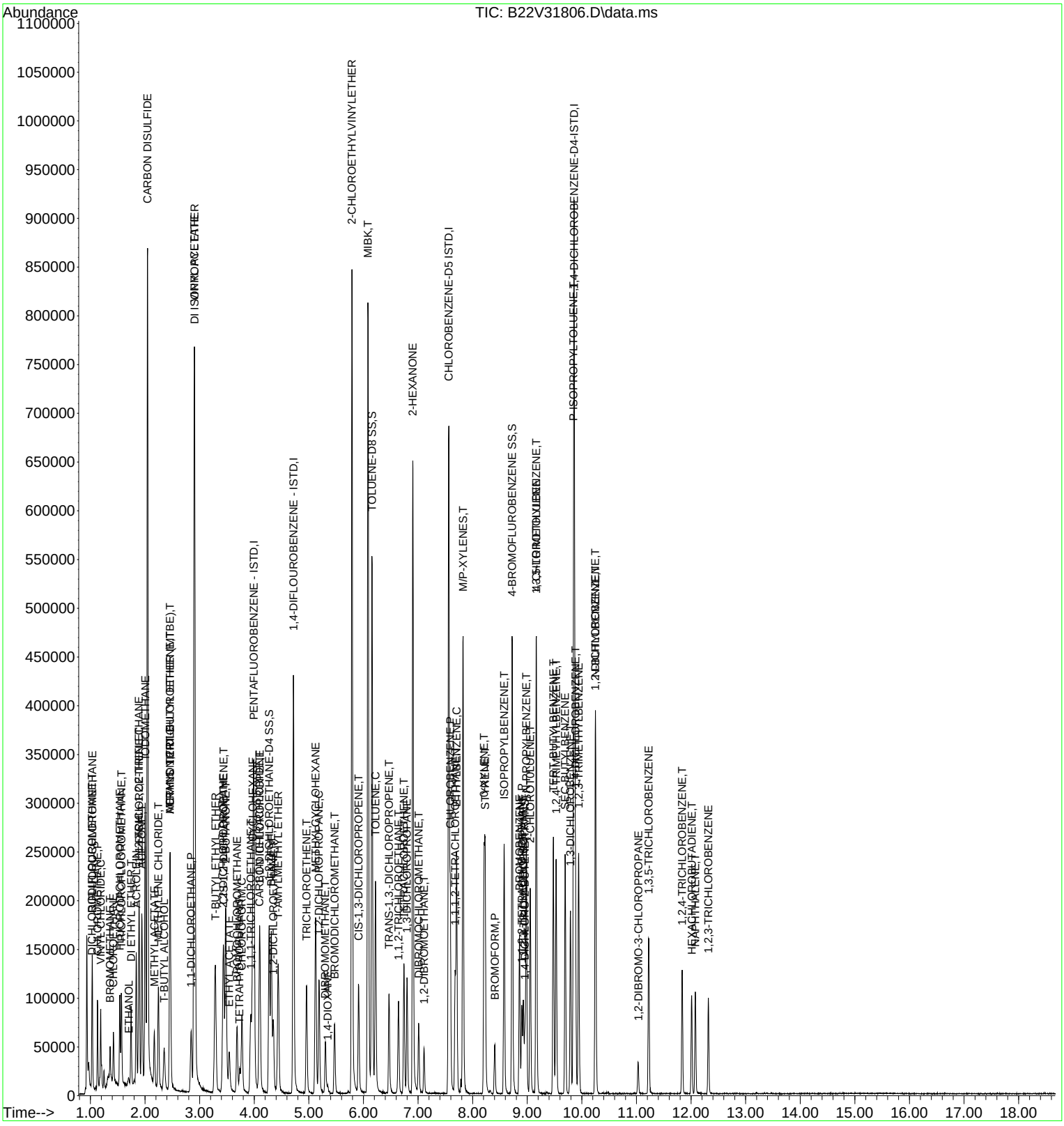
| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 50) DIBROMOMETHANE | 5.301 | 93 | 16700 | 10.88 | UG/L | | 93 |
| 51) 1,4-DIOXANE | 5.346 | 88 | 3570 | 93.50 | UG/L | # | 75 |
| 52) BROMODICHLOROMETHANE | 5.471 | 83 | 35887 | 10.14 | UG/L | | 98 |
| 53) 2-CHLOROETHYLVINYLETHER | 5.789 | 63 | 273327 | 110.01 | UG/L | | 84 |
| 54) MIBK | 6.082 | 43 | 554881 | 112.88 | UG/L | # | 93 |
| 55) CIS-1,3-DICHLOROPROPENE | 5.912 | 75 | 41031 | 9.95 | UG/L | # | 82 |
| 56) TOLUENE | 6.221 | 91 | 116384 | 10.83 | UG/L | | 98 |
| 57) TRANS-1,3,-DICHLOROPRO... | 6.469 | 75 | 35583 | 9.92 | UG/L | # | 86 |
| 59) 1,1,2-TRICHLOROETHANE | 6.645 | 97 | 23232 | 10.64 | UG/L | | 96 |
| 60) 2-HEXANONE | 6.903 | 43 | 416799 | 113.52 | UG/L | # | 94 |
| 61) TETRACHLOROETHENE | 6.741 | 164 | 27409 | 11.50 | UG/L | | 95 |
| 62) 1,3-DICHLOROPROPANE | 6.798 | 76 | 41072 | 10.58 | UG/L | # | 74 |
| 63) DIBROMOCHLOROMETHANE | 7.011 | 129 | 28780 | 9.98 | UG/L | | 99 |
| 64) 1,2-DIBROMOETHANE | 7.111 | 107 | 26677 | 10.86 | UG/L | # | 96 |
| 67) CHLOROBENZENE | 7.588 | 112 | 79383 | 10.44 | UG/L | | 99 |
| 68) 1,1,1,2-TETRACHLOROETHANE | 7.679 | 131 | 29088 | 9.86 | UG/L | | 99 |
| 69) ETHYLBENZENE | 7.708 | 91 | 137041 | 10.56 | UG/L | | 100 |
| 70) M/P-XYLENES | 7.824 | 91 | 215132 | 20.87 | UG/L | | 98 |
| 71) 0-XYLENE | 8.211 | 91 | 109065 | 10.31 | UG/L | | 98 |
| 72) STYRENE | 8.231 | 104 | 86235 | 9.98 | UG/L | # | 88 |
| 73) BROMOFORM | 8.407 | 173 | 21962 | 9.45 | UG/L | # | 99 |
| 74) ISOPROPYLBENZENE | 8.577 | 105 | 138955 | 10.01 | UG/L | | 99 |
| 76) 1,1,2,2-TETRACHLOROETHANE | 8.901 | 83 | 35071 | 9.83 | UG/L | | 98 |
| 77) 1,4-DICHLORO-2-BUTENE(... | 8.958 | 53 | 16182 | 7.60 | UG/L | | 94 |
| 78) BROMOBENZENE | 8.859 | 77 | 49222 | 9.54 | UG/L | | 90 |
| 79) 1,2,3-TRICHLOROPROPANE | 8.930 | 110 | 10837 | 10.06 | UG/L | | 90 |
| 80) N-PROPYLBENZENE | 8.984 | 91 | 165793 | 10.02 | UG/L | | 98 |
| 81) 2-CHLOROT0LUENE | 9.055 | 91 | 95564 | 10.09 | UG/L | | 96 |
| 82) 1,3,5-TRIMETHYLBENZENE | 9.163 | 105 | 117354 | 9.91 | UG/L | | 100 |
| 83) 4-CHLOROTOLUENE | 9.166 | 91 | 111635 | 10.17 | UG/L | | 96 |
| 85) TERT-BUTYLBENZENE | 9.478 | 119 | 100572 | 9.53 | UG/L | | 97 |
| 86) 1,2,4-TRIMETHYLBENZENE | 9.529 | 105 | 112551 | 9.26 | UG/L | | 98 |
| 87) SEC-BUTYLBENZENE | 9.694 | 105 | 138458 | 9.12 | UG/L | | 99 |
| 88) 1,3-DICHLOROBENZENE | 9.791 | 146 | 66363 | 9.23 | UG/L | | 98 |
| 89) P-ISOPROPYLTOLUENE | 9.848 | 119 | 122301 | 9.19 | UG/L | | 97 |
| 90) 1,4-DICHLOROBENZENE | 9.882 | 146 | 67417 | 9.26 | UG/L | | 95 |
| 91) 1,2,3-TRIMETHYLBENZENE | 9.941 | 105 | 118736 | 8.88 | UG/L | # | 100 |
| 92) N-BUTYLBENZENE | 10.251 | 91 | 106867 | 8.94 | UG/L | | 100 |
| 93) 1,2-DICHLOROBENZENE | 10.246 | 146 | 60461 | 9.32 | UG/L | | 98 |
| 94) 1,2-DIBROMO-3-CHLOROPR... | 11.036 | 75 | 5643 | 7.73 | UG/L | # | 85 |
| 95) 1,3,5-TRICHLOROBENZENE | 11.226 | 180 | 46582 | 9.09 | UG/L | | 92 |
| 96) 1,2,4-TRICHLOROBENZENE | 11.837 | 180 | 34495 | 8.85 | UG/L | | 98 |
| 97) HEXACHLOROBUTADIENE | 12.013 | 225 | 18244 | 9.21 | UG/L | | 99 |
| 98) NAPHTHALENE | 12.079 | 128 | 68156 | 7.79 | UG/L | | 99 |
| 99) 1,2,3-TRICHLOROBENZENE | 12.317 | 180 | 26172 | 8.21 | UG/L | | 93 |

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

Data Path : \\Voa2\MSDChem\1\DATA\B111422\
Data File : B22V31806.D
Acq On : 14 Nov 2022 8:35 am
Operator :
Sample : BFB/8260 STD 10PPB 2211048 Inst : GCMSVOA2
Misc :
ALS Vial : 6 Sample Multiplier: 1



Quant Time: Nov 14 08:54:40 2022
Quant Method : C:\MSDCHEM\1\METHODS\B092322W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Mon Oct 03 14:02:43 2022
Response via : Initial Calibration



# 8 - FORM VIII
# INTERNAL STANDARD AREA AND RT SUMMARY

## SW-846 8260D

| | | | |
|---|---|---|---|
| Laboratory: | Pace New England | Work Order: | 22K1604 |
| Client: | NYDEC_GES - Amherst, NY | Project: | 275 Franklin St, Buffalo - CO 144192 |
| Sequence: | S079358 | Instrument: | GCMSVOA2 |
| | | Calibration: | 2200668 |

| Internal Standard | Response | RT | Reference Response | Reference RT | Area % | Area % Limits | RT Diff | RT Diff Limit | Q |
|---|---|---|---|---|---|---|---|---|---|
| **Calibration Check (S079358-CCV1 )** | | | *Lab File ID: B22V31806.D* | | | *Analyzed: 11/14/22 08:35* | | | |
| Pentafluorobenzene | 186897 | 3.993 | 186897 | 3.993 | 100 | 50 - 200 | 0.0000 | +/-0.50 | |
| 1,4-Difluorobenzene | 272215 | 4.718 | 272215 | 4.718 | 100 | 50 - 200 | 0.0000 | +/-0.50 | |
| Chlorobenzene-d5 | 152057 | 7.563 | 152057 | 7.563 | 100 | 50 - 200 | 0.0000 | +/-0.50 | |
| 1,4-Dichlorobenzene-d4 | 178900 | 9.859 | 178900 | 9.859 | 100 | 50 - 200 | 0.0000 | +/-0.50 | |
| **LCS (B322925-BS1 )** | | | *Lab File ID: B22V31807.D* | | | *Analyzed: 11/14/22 09:02* | | | |
| Pentafluorobenzene | 181105 | 3.993 | 186897 | 3.993 | 97 | 50 - 200 | 0.0000 | +/-0.50 | |
| 1,4-Difluorobenzene | 265760 | 4.718 | 272215 | 4.718 | 98 | 50 - 200 | 0.0000 | +/-0.50 | |
| Chlorobenzene-d5 | 146990 | 7.56 | 152057 | 7.563 | 97 | 50 - 200 | -0.0030 | +/-0.50 | |
| 1,4-Dichlorobenzene-d4 | 175008 | 9.859 | 178900 | 9.859 | 98 | 50 - 200 | 0.0000 | +/-0.50 | |
| **LCS Dup (B322925-BSD1 )** | | | *Lab File ID: B22V31808.D* | | | *Analyzed: 11/14/22 09:28* | | | |
| Pentafluorobenzene | 181502 | 3.993 | 186897 | 3.993 | 97 | 50 - 200 | 0.0000 | +/-0.50 | |
| 1,4-Difluorobenzene | 270583 | 4.718 | 272215 | 4.718 | 99 | 50 - 200 | 0.0000 | +/-0.50 | |
| Chlorobenzene-d5 | 148209 | 7.563 | 152057 | 7.563 | 97 | 50 - 200 | 0.0000 | +/-0.50 | |
| 1,4-Dichlorobenzene-d4 | 178201 | 9.859 | 178900 | 9.859 | 100 | 50 - 200 | 0.0000 | +/-0.50 | |
| **Blank (B322925-BLK1 )** | | | *Lab File ID: B22V31810.D* | | | *Analyzed: 11/14/22 10:20* | | | |
| Pentafluorobenzene | 187207 | 3.996 | 186897 | 3.993 | 100 | 50 - 200 | 0.0030 | +/-0.50 | |
| 1,4-Difluorobenzene | 272274 | 4.718 | 272215 | 4.718 | 100 | 50 - 200 | 0.0000 | +/-0.50 | |
| Chlorobenzene-d5 | 149602 | 7.563 | 152057 | 7.563 | 98 | 50 - 200 | 0.0000 | +/-0.50 | |
| 1,4-Dichlorobenzene-d4 | 175170 | 9.859 | 178900 | 9.859 | 98 | 50 - 200 | 0.0000 | +/-0.50 | |
| **Trip Blank (22K1604-06 )** | | | *Lab File ID: B22V31811.D* | | | *Analyzed: 11/14/22 10:46* | | | |
| Pentafluorobenzene | 177167 | 3.993 | 186897 | 3.993 | 95 | 50 - 200 | 0.0000 | +/-0.50 | |
| 1,4-Difluorobenzene | 262976 | 4.718 | 272215 | 4.718 | 97 | 50 - 200 | 0.0000 | +/-0.50 | |
| Chlorobenzene-d5 | 143119 | 7.563 | 152057 | 7.563 | 94 | 50 - 200 | 0.0000 | +/-0.50 | |
| 1,4-Dichlorobenzene-d4 | 168006 | 9.859 | 178900 | 9.859 | 94 | 50 - 200 | 0.0000 | +/-0.50 | |
| **MW-27S (22K1604-03 )** | | | *Lab File ID: B22V31817.D* | | | *Analyzed: 11/14/22 13:23* | | | |
| Pentafluorobenzene | 175443 | 3.993 | 186897 | 3.993 | 94 | 50 - 200 | 0.0000 | +/-0.50 | |
| 1,4-Difluorobenzene | 263888 | 4.718 | 272215 | 4.718 | 97 | 50 - 200 | 0.0000 | +/-0.50 | |
| Chlorobenzene-d5 | 144347 | 7.563 | 152057 | 7.563 | 95 | 50 - 200 | 0.0000 | +/-0.50 | |
| 1,4-Dichlorobenzene-d4 | 171999 | 9.859 | 178900 | 9.859 | 96 | 50 - 200 | 0.0000 | +/-0.50 | |

# 8 - FORM VIII
# INTERNAL STANDARD AREA AND RT SUMMARY

## SW-846 8260D

| | | | |
|---|---|---|---|
| Laboratory: | Pace New England | Work Order: | 22K1604 |
| Client: | NYDEC_GES - Amherst, NY | Project: | 275 Franklin St, Buffalo - CO 144192 |
| Sequence: | S079358 | Instrument: | GCMSVOA2 |
| | | Calibration: | 2200668 |

| Internal Standard | Response | RT | Reference Response | Reference RT | Area % | Area % Limits | RT Diff | RT Diff Limit | Q |
|---|---|---|---|---|---|---|---|---|---|
| **MW-25S (22K1604-01 )** | | | *Lab File ID: B22V31822.D* | | | *Analyzed: 11/14/22 15:34* | | | |
| Pentafluorobenzene | 177491 | 3.993 | 186897 | 3.993 | 95 | 50 - 200 | 0.0000 | +/-0.50 | |
| 1,4-Difluorobenzene | 265116 | 4.721 | 272215 | 4.718 | 97 | 50 - 200 | 0.0030 | +/-0.50 | |
| Chlorobenzene-d5 | 145790 | 7.563 | 152057 | 7.563 | 96 | 50 - 200 | 0.0000 | +/-0.50 | |
| 1,4-Dichlorobenzene-d4 | 172324 | 9.859 | 178900 | 9.859 | 96 | 50 - 200 | 0.0000 | +/-0.50 | |
| **MW-26S (22K1604-02 )** | | | *Lab File ID: B22V31823.D* | | | *Analyzed: 11/14/22 16:00* | | | |
| Pentafluorobenzene | 178468 | 3.996 | 186897 | 3.993 | 95 | 50 - 200 | 0.0030 | +/-0.50 | |
| 1,4-Difluorobenzene | 261555 | 4.718 | 272215 | 4.718 | 96 | 50 - 200 | 0.0000 | +/-0.50 | |
| Chlorobenzene-d5 | 144496 | 7.563 | 152057 | 7.563 | 95 | 50 - 200 | 0.0000 | +/-0.50 | |
| 1,4-Dichlorobenzene-d4 | 171406 | 9.859 | 178900 | 9.859 | 96 | 50 - 200 | 0.0000 | +/-0.50 | |
| **MW-23D (22K1604-04 )** | | | *Lab File ID: B22V31824.D* | | | *Analyzed: 11/14/22 16:26* | | | |
| Pentafluorobenzene | 176039 | 3.993 | 186897 | 3.993 | 94 | 50 - 200 | 0.0000 | +/-0.50 | |
| 1,4-Difluorobenzene | 258502 | 4.718 | 272215 | 4.718 | 95 | 50 - 200 | 0.0000 | +/-0.50 | |
| Chlorobenzene-d5 | 144500 | 7.563 | 152057 | 7.563 | 95 | 50 - 200 | 0.0000 | +/-0.50 | |
| 1,4-Dichlorobenzene-d4 | 170629 | 9.859 | 178900 | 9.859 | 95 | 50 - 200 | 0.0000 | +/-0.50 | |
| **DUP (22K1604-05 )** | | | *Lab File ID: B22V31825.D* | | | *Analyzed: 11/14/22 16:52* | | | |
| Pentafluorobenzene | 175958 | 3.993 | 186897 | 3.993 | 94 | 50 - 200 | 0.0000 | +/-0.50 | |
| 1,4-Difluorobenzene | 265258 | 4.718 | 272215 | 4.718 | 97 | 50 - 200 | 0.0000 | +/-0.50 | |
| Chlorobenzene-d5 | 144626 | 7.563 | 152057 | 7.563 | 95 | 50 - 200 | 0.0000 | +/-0.50 | |
| 1,4-Dichlorobenzene-d4 | 171555 | 9.859 | 178900 | 9.859 | 96 | 50 - 200 | 0.0000 | +/-0.50 | |
| **Matrix Spike (B322925-MS1 )** | | | *Lab File ID: B22V31831.D* | | | *Analyzed: 11/14/22 19:29* | | | |
| Pentafluorobenzene | 178436 | 3.993 | 186897 | 3.993 | 95 | 50 - 200 | 0.0000 | +/-0.50 | |
| 1,4-Difluorobenzene | 263410 | 4.715 | 272215 | 4.718 | 97 | 50 - 200 | -0.0030 | +/-0.50 | |
| Chlorobenzene-d5 | 147820 | 7.563 | 152057 | 7.563 | 97 | 50 - 200 | 0.0000 | +/-0.50 | |
| 1,4-Dichlorobenzene-d4 | 180819 | 9.859 | 178900 | 9.859 | 101 | 50 - 200 | 0.0000 | +/-0.50 | |
| **Matrix Spike Dup (B322925-MSD1 )** | | | *Lab File ID: B22V31832.D* | | | *Analyzed: 11/14/22 19:55* | | | |
| Pentafluorobenzene | 175903 | 3.993 | 186897 | 3.993 | 94 | 50 - 200 | 0.0000 | +/-0.50 | |
| 1,4-Difluorobenzene | 260665 | 4.718 | 272215 | 4.718 | 96 | 50 - 200 | 0.0000 | +/-0.50 | |
| Chlorobenzene-d5 | 147747 | 7.563 | 152057 | 7.563 | 97 | 50 - 200 | 0.0000 | +/-0.50 | |
| 1,4-Dichlorobenzene-d4 | 182309 | 9.859 | 178900 | 9.859 | 102 | 50 - 200 | 0.0000 | +/-0.50 | |

# QC DATA

# 1 - FORM I
# ANALYSIS DATA SHEET

## Blank

| | | | | | |
|---|---|---|---|---|---|
| Laboratory: | Pace New England | | | Work Order: | 22K1604 |
| Client: | NYDEC_GES - Amherst, NY | | Project: | 275 Franklin St, Buffalo - CO 144192 | |
| Matrix: | Water | Laboratory ID: | B322925-BLK1 | File ID: | B22V31810.D |
| Sampled: | | Prepared: | 11/14/22 07:02 | Analyzed: | 11/14/22 10:20 |
| Solids: | | Preparation: | SW-846 5030B | Dilution: | |
| Batch: | B322925 | Sequence: | S079358 | Calibration: | 2200668 |
| Column: | 1 | | | | |

Instrument: GCMSVOA2

| CAS NO. | COMPOUND | CONC. (µg/L) | MDL | RL | Q |
|---|---|---|---|---|---|
| 67-64-1 | Acetone | | 2.0 | 50 | |
| 71-43-2 | Benzene | | 0.20 | 1.0 | |
| 74-97-5 | Bromochloromethane | | 0.31 | 1.0 | |
| 75-27-4 | Bromodichloromethane | | 0.18 | 0.50 | |
| 75-25-2 | Bromoform | | 0.38 | 1.0 | |
| 74-83-9 | Bromomethane | | 1.5 | 2.0 | V-05 |
| 78-93-3 | 2-Butanone (MEK) | | 1.6 | 20 | |
| 75-15-0 | Carbon Disulfide | | 1.4 | 5.0 | |
| 56-23-5 | Carbon Tetrachloride | | 0.16 | 5.0 | |
| 108-90-7 | Chlorobenzene | | 0.11 | 1.0 | |
| 124-48-1 | Chlorodibromomethane | | 0.22 | 0.50 | |
| 75-00-3 | Chloroethane | | 0.32 | 2.0 | |
| 67-66-3 | Chloroform | | 0.17 | 2.0 | |
| 74-87-3 | Chloromethane | | 0.52 | 2.0 | |
| 110-82-7 | Cyclohexane | | 1.8 | 5.0 | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane (DBCP) | | 0.80 | 5.0 | V-05 |
| 106-93-4 | 1,2-Dibromoethane (EDB) | | 0.17 | 0.50 | |
| 95-50-1 | 1,2-Dichlorobenzene | | 0.12 | 1.0 | |
| 541-73-1 | 1,3-Dichlorobenzene | | 0.12 | 1.0 | |
| 106-46-7 | 1,4-Dichlorobenzene | | 0.13 | 1.0 | |
| 75-71-8 | Dichlorodifluoromethane (Freon 12) | | 0.19 | 2.0 | |
| 75-34-3 | 1,1-Dichloroethane | | 0.14 | 1.0 | |
| 107-06-2 | 1,2-Dichloroethane | | 0.31 | 1.0 | |
| 75-35-4 | 1,1-Dichloroethylene | | 0.14 | 1.0 | |
| 156-59-2 | cis-1,2-Dichloroethylene | | 0.15 | 1.0 | |
| 156-60-5 | trans-1,2-Dichloroethylene | | 0.17 | 1.0 | |
| 78-87-5 | 1,2-Dichloropropane | | 0.18 | 1.0 | |
| 10061-01-5 | cis-1,3-Dichloropropene | | 0.16 | 0.50 | |
| 10061-02-6 | trans-1,3-Dichloropropene | | 0.17 | 0.50 | |
| 123-91-1 | 1,4-Dioxane | | 21 | 50 | |

# 1 - FORM I
# ANALYSIS DATA SHEET

## Blank

| | | | | | |
|---|---|---|---|---|---|
| Laboratory: | Pace New England | | | Work Order: | 22K1604 |
| Client: | NYDEC_GES - Amherst, NY | | Project: | 275 Franklin St, Buffalo - CO 144192 | |
| Matrix: | Water | Laboratory ID: | B322925-BLK1 | File ID: | B22V31810.D |
| Sampled: | | Prepared: | 11/14/22 07:02 | Analyzed: | 11/14/22 10:20 |
| Solids: | | Preparation: | SW-846 5030B | Dilution: | |
| Batch: | B322925 | Sequence: | S079358 | Calibration: | 2200668 |
| Instrument: | GCMSVOA2 | | | | |
| Column: | 1 | | | | |

| CAS NO. | COMPOUND | CONC. (µg/L) | MDL | RL | Q |
|---|---|---|---|---|---|
| 100-41-4 | Ethylbenzene | | 0.21 | 1.0 | |
| 591-78-6 | 2-Hexanone (MBK) | | 1.1 | 10 | |
| 98-82-8 | Isopropylbenzene (Cumene) | | 0.11 | 1.0 | |
| 79-20-9 | Methyl Acetate | | 0.45 | 1.0 | |
| 1634-04-4 | Methyl tert-Butyl Ether (MTBE) | | 0.17 | 1.0 | |
| 108-87-2 | Methyl Cyclohexane | | 0.24 | 1.0 | |
| 75-09-2 | Methylene Chloride | | 0.23 | 5.0 | |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | | 1.3 | 10 | |
| 100-42-5 | Styrene | | 0.11 | 1.0 | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | | 0.13 | 0.50 | |
| 127-18-4 | Tetrachloroethylene | | 0.19 | 1.0 | |
| 108-88-3 | Toluene | | 0.22 | 1.0 | |
| 87-61-6 | 1,2,3-Trichlorobenzene | | 0.30 | 5.0 | |
| 120-82-1 | 1,2,4-Trichlorobenzene | | 0.25 | 1.0 | |
| 71-55-6 | 1,1,1-Trichloroethane | | 0.17 | 1.0 | |
| 79-00-5 | 1,1,2-Trichloroethane | | 0.18 | 1.0 | |
| 79-01-6 | Trichloroethylene | | 0.19 | 1.0 | |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | | 0.18 | 2.0 | |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1 | | 0.23 | 1.0 | |
| 75-01-4 | Vinyl Chloride | | 0.21 | 2.0 | |
| 108383/106423 | m+p Xylene | | 0.46 | 2.0 | |
| 95-47-6 | o-Xylene | | 0.23 | 1.0 | |
| 1330-20-7 | Xylenes (total) | | 1.0 | 1.0 | |

Data Path : \\Voa2\MSDChem\1\DATA\B111422\
Data File : B22V31810.D
Acq On : 14 Nov 2022 10:20 am
Operator :
Sample : B0-BLK1 Inst : GCMSVOA2
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 15 07:16:25 2022
Quant Method : C:\MSDCHEM\1\METHODS\B092322W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Mon Oct 03 14:02:43 2022
Response via : Initial Calibration

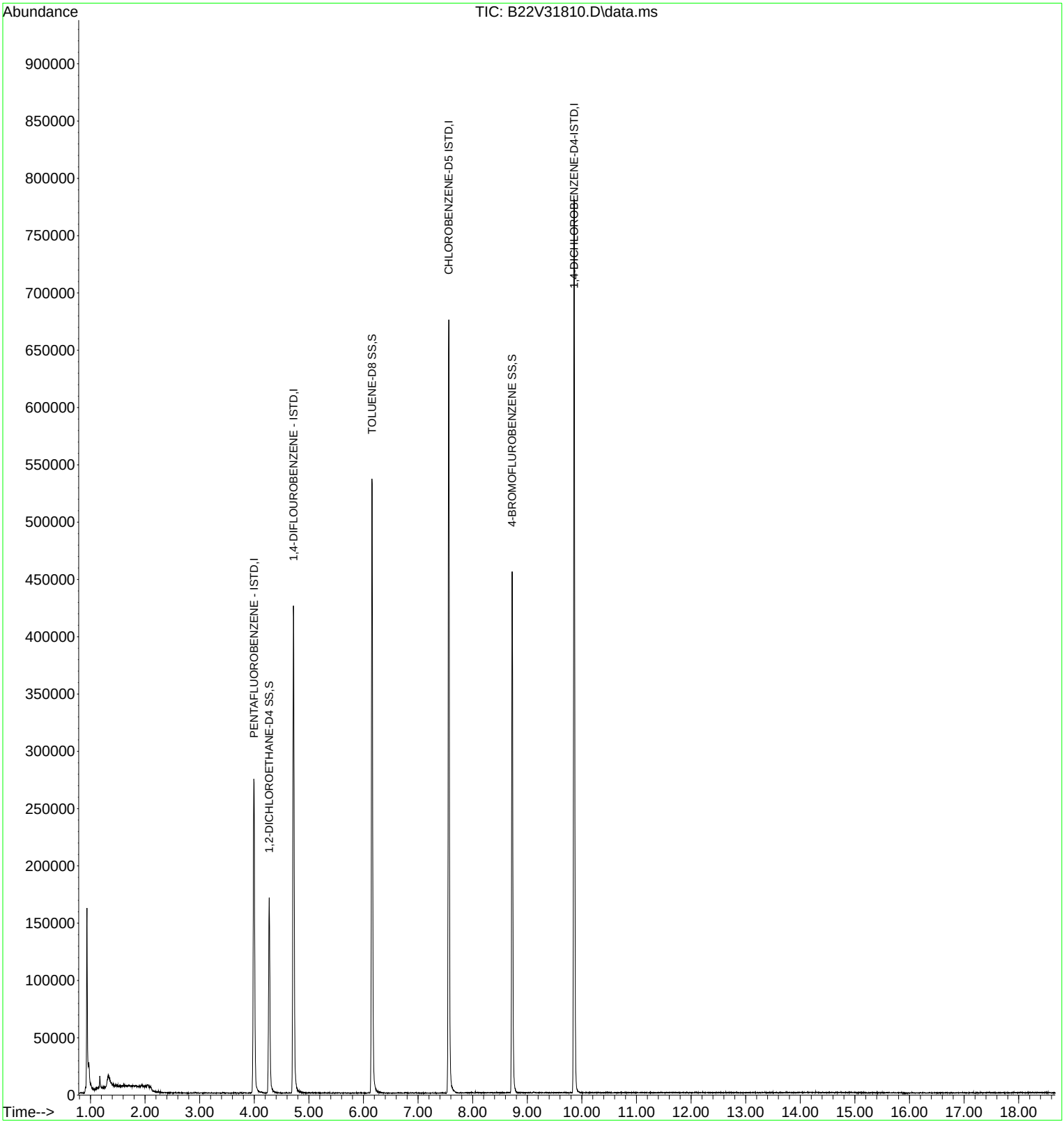
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) PENTAFLUOROBENZENE - ISTD | 3.996 | 168 | 187207 | 30.00 | UG/L | 0.00 |
| 44) 1,4-DIFLOUROBENZENE - ... | 4.718 | 114 | 272274 | 30.00 | UG/L | 0.00 |
| 65) CHLOROBENZENE-D5 ISTD | 7.563 | 82 | 149602 | 30.00 | UG/L | 0.00 |
| 84) 1,4-DICHLOROBENZENE-D4... | 9.859 | 152 | 175170 | 30.00 | UG/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 2) 1,2-DICHLOROETHANE-D4 SS | 4.274 | 65 | 102890 | 23.80 | UG/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 95.20% | | | |
| 45) TOLUENE-D8 SS | 6.156 | 98 | 277177 | 24.67 | UG/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 98.68% | | | |
| 66) 4-BROMOFLUROBENZENE SS | 8.722 | 95 | 120016 | 25.02 | UG/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 100.08% | | | |
| Target Compounds | | | | | | Qvalue |

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

Data Path : \\Voa2\MSDChem\1\DATA\B111422\
Data File : B22V31810.D
Acq On : 14 Nov 2022 10:20 am
Operator :
Sample : B0-BLK1 Inst : GCMSVOA2
Misc :
ALS Vial : 10 Sample Multiplier: 1



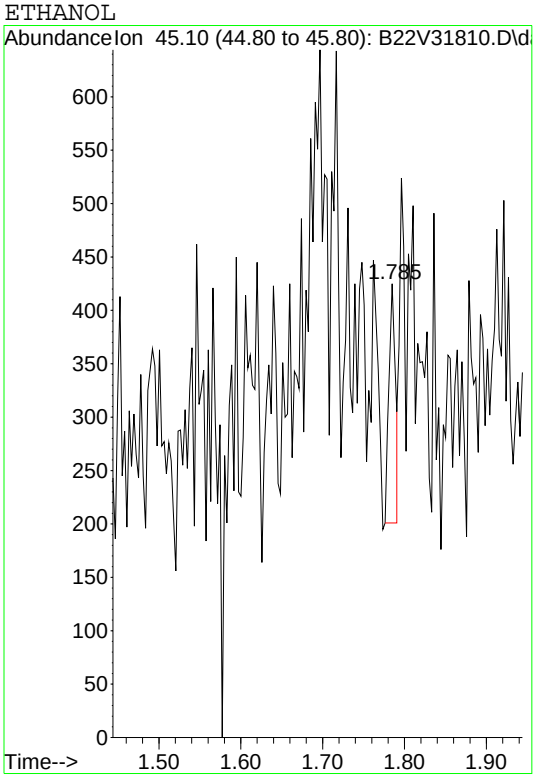
Quant Time: Nov 15 07:16:25 2022
Quant Method : C:\MSDCHEM\1\METHODS\B092322W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Mon Oct 03 14:02:43 2022
Response via : Initial Calibration



Data Path : \\Voa2\MSDChem\1\DATA\B111422\
Data File : B22V31810.D
Acq On : 14 Nov 2022 10:20 am
Operator :
Sample : B0-BLK1
Misc :

Quant Time : Tue Nov 15 07:16:25 2022
Quant Method : C:\MSDCHEM\1\METHODS\B092322W.M
QLast Update : Mon Oct 03 14:02:43 2022

Original Integration
ETHANOL




Original Int. Results
---

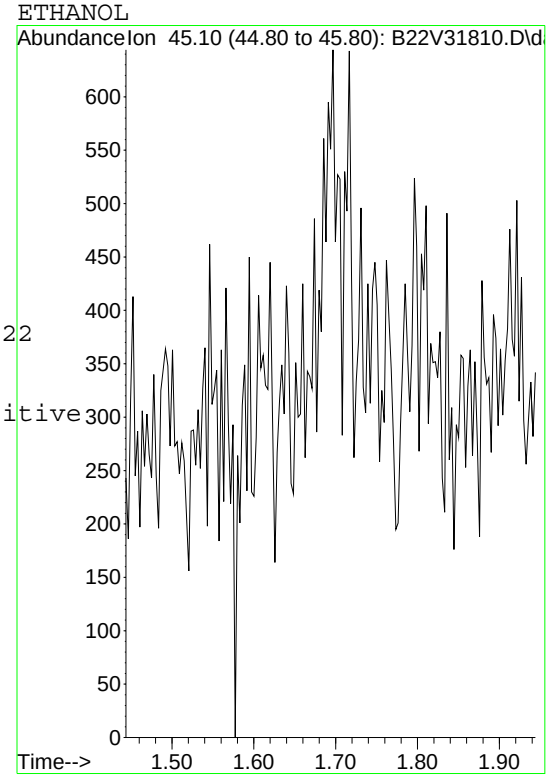
RT : 1.78
Area : 125
Amount: 1.58245

Manual Int. Results
---

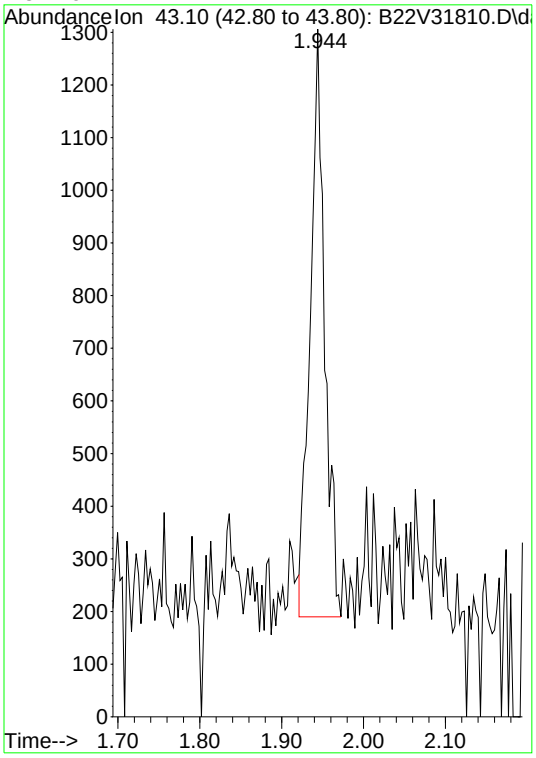
Tue Nov 15 07:16:06 2022

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

Manual Integration
ETHANOL




Original Integration
ACETONE




Original Int. Results
---

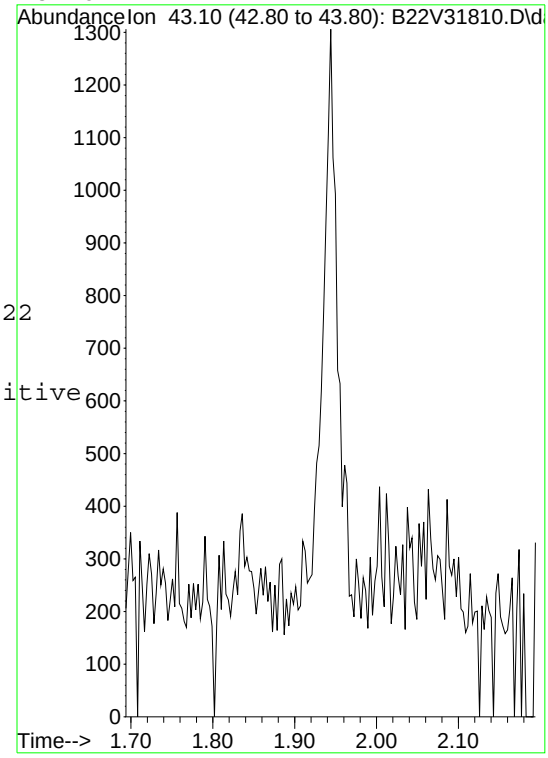
RT : 1.94
Area : 1370
Amount: 0.919414

Manual Int. Results
---

Tue Nov 15 07:16:09 2022

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

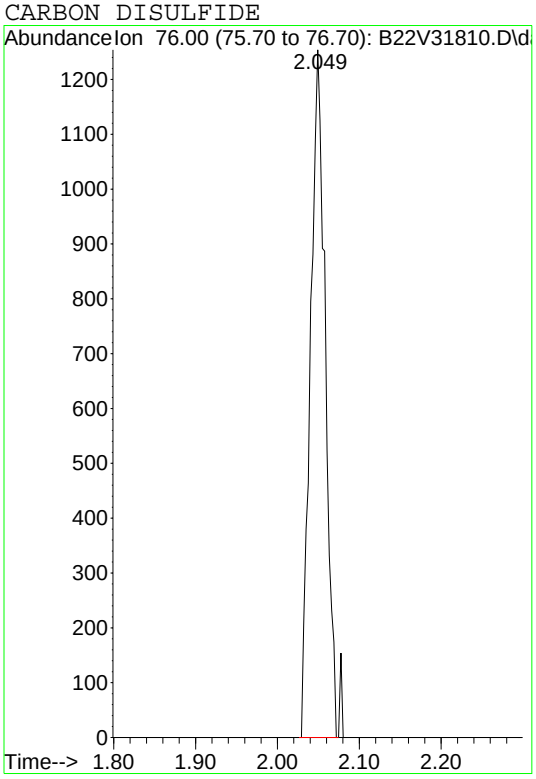
Manual Integration
ACETONE



Data Path : \\Voa2\MSDChem\1\DATA\B111422\
Data File : B22V31810.D
Acq On : 14 Nov 2022 10:20 am
Operator :
Sample : B0-BLK1
Misc :

Quant Time : Tue Nov 15 07:16:25 2022
Quant Method : C:\MSDCHEM\1\METHODS\B092322W.M
QLast Update : Mon Oct 03 14:02:43 2022

Original Integration
CARBON DISULFIDE




Original Int. Results
---

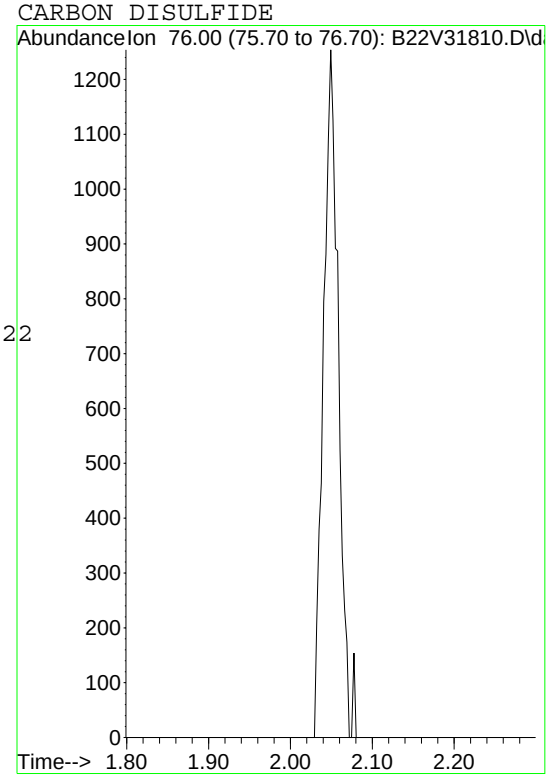
RT : 2.05
Area : 1575
Amount: 0.214315

Manual Int. Results
---

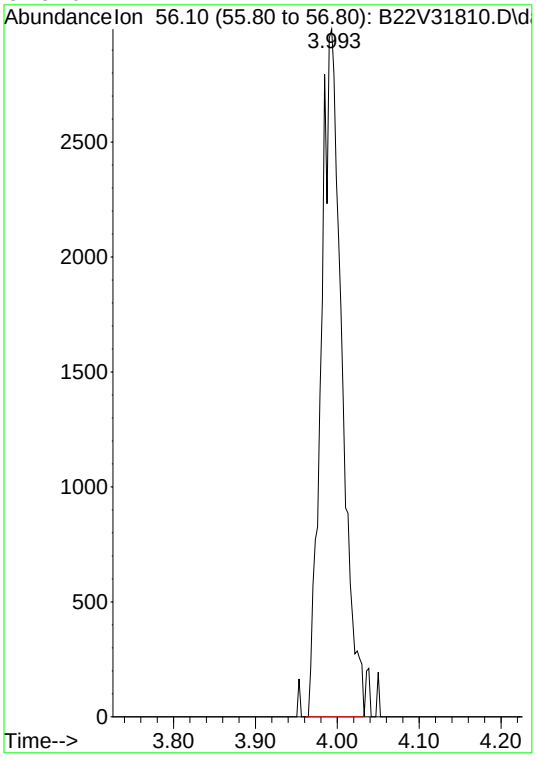
Tue Nov 15 07:16:13 2022

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

Manual Integration
CARBON DISULFIDE




Original Integration
CYCLOHEXANE




Original Int. Results
---

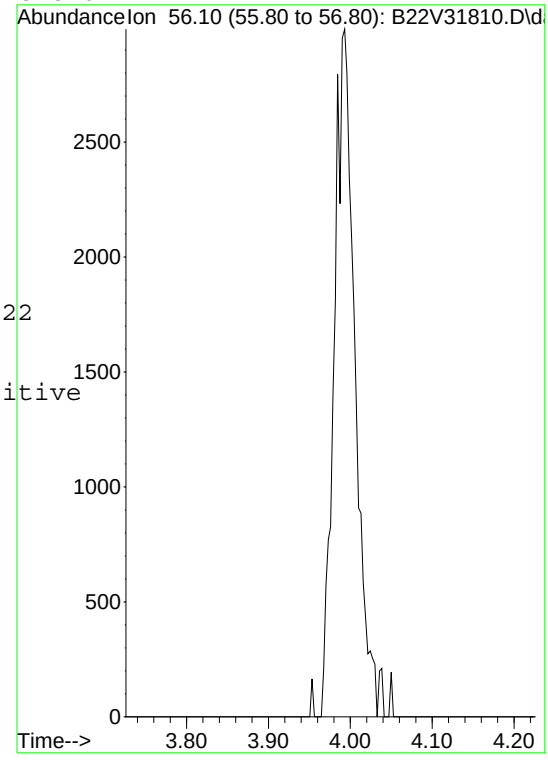
RT : 3.99
Area : 5253
Amount: 0.590613

Manual Int. Results
---

Tue Nov 15 07:16:20 2022

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

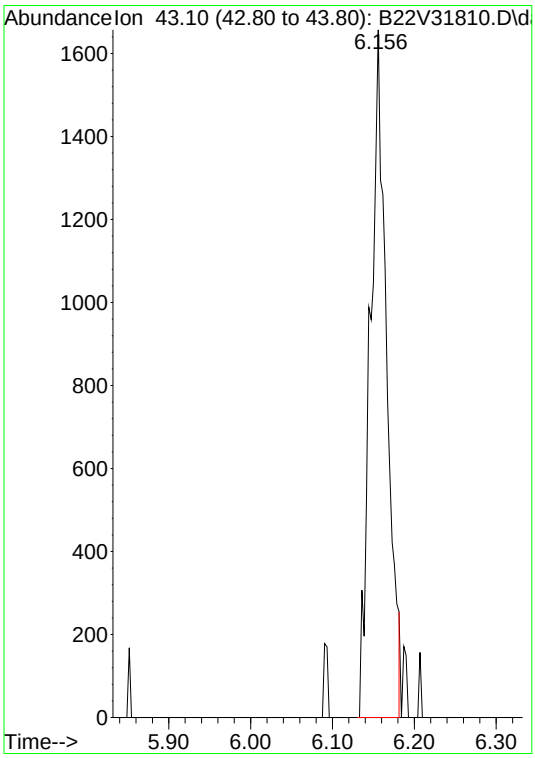
Manual Integration
CYCLOHEXANE



Data Path : \\Voa2\MSDChem\1\DATA\B111422\
Data File : B22V31810.D
Acq On : 14 Nov 2022 10:20 am
Operator :
Sample : B0-BLK1
Misc :

Quant Time : Tue Nov 15 07:16:25 2022
Quant Method : C:\MSDCHEM\1\METHODS\B092322W.M
QLast Update : Mon Oct 03 14:02:43 2022

Original Integration
MIBK




Original Int. Results
---

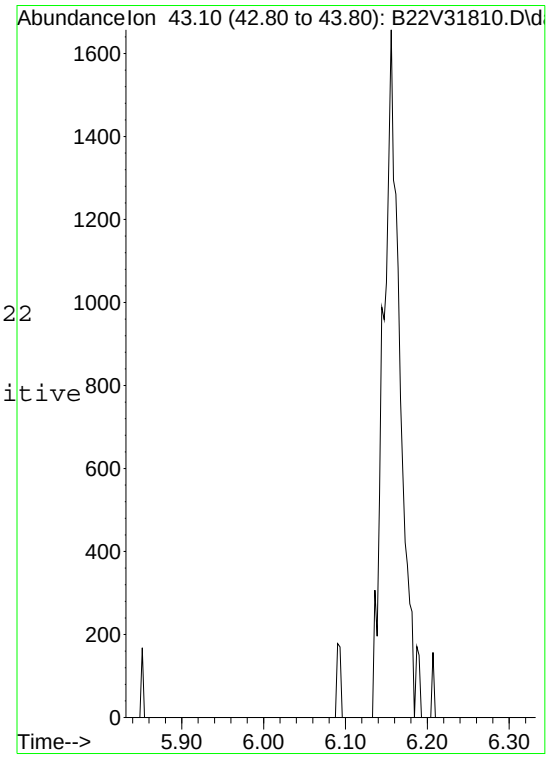
RT : 6.16
Area : 2277
Amount: 0.463116

Manual Int. Results
---

Tue Nov 15 07:16:24 2022

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: | 22K1604 |
| Client: | NYDEC_GES - Amherst, NY | | Project: | 275 Franklin St, Buffalo - CO 144192 | |
| Matrix: | Water | Laboratory ID: | B322925-BS1 | File ID: | B22V31807.D |
| Sampled: | | Prepared: | 11/14/22 07:02 | Analyzed: | 11/14/22 09:02 |
| Solids: | | Preparation: | SW-846 5030B | Dilution: | |
| Batch: | B322925 | Sequence: | S079358 | Calibration: | 2200668 |
| Column: | 1 | | | | |

Instrument: GCMSVOA2

| CAS NO. | COMPOUND | CONC. (µg/L) | MDL | RL | Q |
|---|---|---|---|---|---|
| 67-64-1 | Acetone | 110 | 2.0 | 50 | |
| 71-43-2 | Benzene | 9.95 | 0.20 | 1.0 | |
| 74-97-5 | Bromochloromethane | 10.8 | 0.31 | 1.0 | |
| 75-27-4 | Bromodichloromethane | 10.1 | 0.18 | 0.50 | |
| 75-25-2 | Bromoform | 9.22 | 0.38 | 1.0 | |
| 74-83-9 | Bromomethane | 6.15 | 1.5 | 2.0 | V-05 |
| 78-93-3 | 2-Butanone (MEK) | 112 | 1.6 | 20 | |
| 75-15-0 | Carbon Disulfide | 99.7 | 1.4 | 5.0 | |
| 56-23-5 | Carbon Tetrachloride | 9.98 | 0.16 | 5.0 | |
| 108-90-7 | Chlorobenzene | 10.5 | 0.11 | 1.0 | |
| 124-48-1 | Chlorodibromomethane | 10.1 | 0.22 | 0.50 | |
| 75-00-3 | Chloroethane | 10.5 | 0.32 | 2.0 | |
| 67-66-3 | Chloroform | 9.73 | 0.17 | 2.0 | |
| 74-87-3 | Chloromethane | 8.99 | 0.52 | 2.0 | |
| 110-82-7 | Cyclohexane | 10.2 | 1.8 | 5.0 | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane (DBCP) | 8.48 | 0.80 | 5.0 | V-05 |
| 106-93-4 | 1,2-Dibromoethane (EDB) | 10.7 | 0.17 | 0.50 | |
| 95-50-1 | 1,2-Dichlorobenzene | 9.53 | 0.12 | 1.0 | |
| 541-73-1 | 1,3-Dichlorobenzene | 9.29 | 0.12 | 1.0 | |
| 106-46-7 | 1,4-Dichlorobenzene | 9.40 | 0.13 | 1.0 | |
| 75-71-8 | Dichlorodifluoromethane (Freon 12) | 10.6 | 0.19 | 2.0 | |
| 75-34-3 | 1,1-Dichloroethane | 10.6 | 0.14 | 1.0 | |
| 107-06-2 | 1,2-Dichloroethane | 11.0 | 0.31 | 1.0 | |
| 75-35-4 | 1,1-Dichloroethylene | 10.7 | 0.14 | 1.0 | |
| 156-59-2 | cis-1,2-Dichloroethylene | 10.6 | 0.15 | 1.0 | |
| 156-60-5 | trans-1,2-Dichloroethylene | 10.7 | 0.17 | 1.0 | |
| 78-87-5 | 1,2-Dichloropropane | 11.0 | 0.18 | 1.0 | |
| 10061-01-5 | cis-1,3-Dichloropropene | 9.80 | 0.16 | 0.50 | |
| 10061-02-6 | trans-1,3-Dichloropropene | 9.96 | 0.17 | 0.50 | |
| 123-91-1 | 1,4-Dioxane | 88.5 | 21 | 50 | |

# 1 - FORM I
# ANALYSIS DATA SHEET

## LCS

| | | | | | |
|---|---|---|---|---|---|
| Laboratory: | Pace New England | | | Work Order: | 22K1604 |
| Client: | NYDEC_GES - Amherst, NY | | Project: | 275 Franklin St, Buffalo - CO 144192 | |
| Matrix: | Water | Laboratory ID: | B322925-BS1 | File ID: | B22V31807.D |
| Sampled: | | Prepared: | 11/14/22 07:02 | Analyzed: | 11/14/22 09:02 |
| Solids: | | Preparation: | SW-846 5030B | Dilution: | |
| Batch: | B322925 | Sequence: | S079358 | Calibration: | 2200668 |
| Column: | 1 | | | | |

Instrument: GCMSVOA2

| CAS NO. | COMPOUND | CONC. (µg/L) | MDL | RL | Q |
|---|---|---|---|---|---|
| 100-41-4 | Ethylbenzene | 10.8 | 0.21 | 1.0 | |
| 591-78-6 | 2-Hexanone (MBK) | 113 | 1.1 | 10 | |
| 98-82-8 | Isopropylbenzene (Cumene) | 10.2 | 0.11 | 1.0 | |
| 79-20-9 | Methyl Acetate | 11.5 | 0.45 | 1.0 | V-20 |
| 1634-04-4 | Methyl tert-Butyl Ether (MTBE) | 9.77 | 0.17 | 1.0 | |
| 108-87-2 | Methyl Cyclohexane | 10.6 | 0.24 | 1.0 | |
| 75-09-2 | Methylene Chloride | 10.6 | 0.23 | 5.0 | |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | 113 | 1.3 | 10 | |
| 100-42-5 | Styrene | 10.1 | 0.11 | 1.0 | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 9.91 | 0.13 | 0.50 | |
| 127-18-4 | Tetrachloroethylene | 11.8 | 0.19 | 1.0 | |
| 108-88-3 | Toluene | 11.0 | 0.22 | 1.0 | |
| 87-61-6 | 1,2,3-Trichlorobenzene | 8.95 | 0.30 | 5.0 | |
| 120-82-1 | 1,2,4-Trichlorobenzene | 9.33 | 0.25 | 1.0 | |
| 71-55-6 | 1,1,1-Trichloroethane | 10.4 | 0.17 | 1.0 | |
| 79-00-5 | 1,1,2-Trichloroethane | 10.3 | 0.18 | 1.0 | |
| 79-01-6 | Trichloroethylene | 11.1 | 0.19 | 1.0 | |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | 11.2 | 0.18 | 2.0 | |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1 | 11.2 | 0.23 | 1.0 | |
| 75-01-4 | Vinyl Chloride | 10.7 | 0.21 | 2.0 | |
| 108383/106423 | m+p Xylene | 21.9 | 0.46 | 2.0 | |
| 95-47-6 | o-Xylene | 10.6 | 0.23 | 1.0 | |
| 1330-20-7 | Xylenes (total) | 32.5 | 1.0 | 1.0 | |

Data Path : \\Voa2\MSDChem\1\DATA\B111422\
Data File : B22V31807.D
Acq On : 14 Nov 2022 9:02 am
Operator :
Sample : B0-BS1 @ (RCP) Inst : GCMSVOA2
Misc :
ALS Vial : 7 Sample Multiplier: 1



Quant Time: Nov 14 09:20:49 2022
Quant Method : C:\MSDCHEM\1\METHODS\B092322W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Mon Oct 03 14:02:43 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) PENTAFLUOROBENZENE - ISTD | 3.993 | 168 | 181105 | 30.00 | UG/L | | 0.00 |
| 44) 1,4-DIFLOUROBENZENE - ... | 4.718 | 114 | 265760 | 30.00 | UG/L | | 0.00 |
| 65) CHLOROBENZENE-D5 ISTD | 7.560 | 82 | 146990 | 30.00 | UG/L | | 0.00 |
| 84) 1,4-DICHLOROBENZENE-D4... | 9.859 | 152 | 175008 | 30.00 | UG/L | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 2) 1,2-DICHLOROETHANE-D4 SS | 4.274 | 65 | 99420 | 23.77 | UG/L | | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 95.08% | | | | |
| 45) TOLUENE-D8 SS | 6.156 | 98 | 271546 | 24.76 | UG/L | | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 99.04% | | | | |
| 66) 4-BROMOFLUROBENZENE SS | 8.725 | 95 | 119822 | 25.42 | UG/L | | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 101.68% | | | | |
| Target Compounds | | | | | | | Qvalue |
| 3) DICHLORODIFLOUROMETHANE | 1.026 | 85 | 33671 | 10.63 | UG/L | | 98 |
| 4) DIFLUOROCHLOROMETHANE | 1.035 | 51 | 68110 | 11.34 | UG/L | # | 91 |
| 5) CHLOROMETHANE | 1.131 | 50 | 57907 | 8.99 | UG/L | | 98 |
| 6) VINYL CHLORIDE | 1.188 | 62 | 43864 | 10.73 | UG/L | | 94 |
| 7) BROMOMETHANE | 1.361 | 94 | 9317 | 6.15 | UG/L | | 86 |
| 8) CHLOROETHANE | 1.421 | 64 | 24543 | 10.46 | UG/L | | 95 |
| 9) FLUORODICHLOROMETHANE | 1.538 | 67 | 53493 | 10.21 | UG/L | | 100 |
| 10) TRICHLOROFLUOROMETHANE | 1.569 | 101 | 44579 | 11.19 | UG/L | | 96 |
| 11) ETHANOL | 1.697 | 45 | 7869 | 102.97 | UG/L | # | 89 |
| 12) DI ETHYL ETHER | 1.745 | 59 | 27817 | 10.24 | UG/L | # | 79 |
| 13) ACROLEIN | 1.839 | 56 | 81316 | 88.26 | UG/L | # | 98 |
| 14) ACETONE | 1.941 | 43 | 158958 | 110.27 | UG/L | | 97 |
| 15) 1,1-DICHLOROETHENE | 1.893 | 61 | 54315 | 10.70 | UG/L | | 93 |
| 16) 1,1,2-TRICL-1,2,2-TRIF... | 1.890 | 101 | 25904 | 11.16 | UG/L | | 96 |
| 17) IODOMETHANE | 2.004 | 142 | 300909 | 81.77 | UG/L | | 99 |
| 18) METHYL ACETATE | 2.171 | 43 | 55581 | 11.47 | UG/L | # | 89 |
| 19) T-BUTYL ALCOHOL | 2.350 | 59 | 46597 | 102.30 | UG/L | | 96 |
| 20) ACRYLONITRILE | 2.456 | 53 | 19341 | 10.17 | UG/L | | 98 |
| 21) METHYLENE CHLORIDE | 2.245 | 49 | 63321 | 10.64 | UG/L | # | 82 |
| 22) CARBON DISULFIDE | 2.046 | 76 | 709081 | 99.74 | UG/L | | 99 |
| 23) METHYL TERT-BUTYL ETHE... | 2.461 | 73 | 71868 | 9.77 | UG/L | # | 82 |
| 24) TRANS 1,2-DICHLOROETHENE | 2.456 | 61 | 51614 | 10.74 | UG/L | | 93 |
| 25) 1,1-DICHLOROETHANE | 2.845 | 63 | 60074 | 10.62 | UG/L | | 97 |
| 26) VINYL ACETATE | 2.905 | 43 | 1139845 | 105.73 | UG/L | # | 95 |
| 27) DI ISOPROPYL ETHER | 2.908 | 45 | 164108 | 10.68 | UG/L | # | 89 |
| 28) 2-BUTANONE | 3.479 | 43 | 242486 | 112.45 | UG/L | # | 88 |
| 29) T-BUTYL ETHYL ETHER | 3.283 | 59 | 120009 | 10.22 | UG/L | | 95 |
| 30) CIS-1,2-DICHLOROETHENE | 3.439 | 61 | 57776 | 10.55 | UG/L | | 92 |
| 31) 2,2-DICHLOROPROPANE | 3.425 | 77 | 41200 | 9.82 | UG/L | | 97 |
| 32) ETHYL ACETATE | 3.547 | 43 | 51859 | 9.00 | UG/L | | 96 |
| 33) BROMOCHLOROMETHANE | 3.686 | 128 | 12898 | 10.85 | UG/L | # | 74 |
| 34) TETRAHYDROFURAN | 3.735 | 42 | 16631 | 10.13 | UG/L | # | 92 |
| 36) CHLOROFORM | 3.774 | 83 | 46236 | 9.73 | UG/L | | 96 |
| 37) 1,1,1-TRICHLOROETHANE | 3.933 | 97 | 44214 | 10.37 | UG/L | | 97 |
| 38) CYCLOHEXANE | 3.973 | 56 | 88087 | 10.24 | UG/L | # | 88 |
| 39) CARBON TETRACHLORIDE | 4.095 | 117 | 40543 | 9.98 | UG/L | | 98 |
| 40) 1,1-DICHLOROPROPENE | 4.104 | 75 | 38028 | 10.33 | UG/L | | 99 |
| 41) BENZENE | 4.311 | 78 | 99053 | 9.95 | UG/L | | 98 |
| 43) T-AMYLMETHYL ETHER | 4.439 | 73 | 73436 | 9.67 | UG/L | # | 90 |
| 46) 1,2-DICHLOROETHANE | 4.348 | 62 | 48656 | 10.96 | UG/L | | 94 |
| 47) TRICHLOROETHENE | 4.957 | 95 | 28563 | 11.12 | UG/L | | 96 |
| 48) METHYLCYCLOHEXANE | 5.124 | 83 | 48076 | 10.56 | UG/L | # | 77 |
| 49) 1,2-DICHLOROPROPANE | 5.187 | 63 | 35199 | 11.05 | UG/L | | 95 |

Data Path : \\Voa2\MSDChem\1\DATA\B111422\
Data File : B22V31807.D
Acq On : 14 Nov 2022 9:02 am
Operator :
Sample : B0-BS1 @ (RCP) Inst : GCMSVOA2
Misc :
ALS Vial : 7 Sample Multiplier: 1



Quant Time: Nov 14 09:20:49 2022
Quant Method : C:\MSDCHEM\1\METHODS\B092322W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Mon Oct 03 14:02:43 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 50) DIBROMOMETHANE | 5.303 | 93 | 16278 | 10.86 | UG/L | | 92 |
| 51) 1,4-DIOXANE | 5.346 | 88 | 3300 | 88.53 | UG/L | # | 80 |
| 52) BROMODICHLOROMETHANE | 5.471 | 83 | 34889 | 10.10 | UG/L | | 97 |
| 53) 2-CHLOROETHYLVINYLETHER | 5.789 | 63 | 266824 | 110.00 | UG/L | | 84 |
| 54) MIBK | 6.082 | 43 | 543452 | 113.24 | UG/L | # | 94 |
| 55) CIS-1,3-DICHLOROPROPENE | 5.911 | 75 | 39452 | 9.80 | UG/L | # | 78 |
| 56) TOLUENE | 6.221 | 91 | 115490 | 11.00 | UG/L | | 98 |
| 57) TRANS-1,3,-DICHLOROPRO... | 6.466 | 75 | 34904 | 9.96 | UG/L | # | 84 |
| 59) 1,1,2-TRICHLOROETHANE | 6.639 | 97 | 22020 | 10.33 | UG/L | | 98 |
| 60) 2-HEXANONE | 6.903 | 43 | 404984 | 112.99 | UG/L | # | 94 |
| 61) TETRACHLOROETHENE | 6.741 | 164 | 27469 | 11.80 | UG/L | | 95 |
| 62) 1,3-DICHLOROPROPANE | 6.798 | 76 | 40221 | 10.61 | UG/L | # | 76 |
| 63) DIBROMOCHLOROMETHANE | 7.011 | 129 | 28472 | 10.11 | UG/L | | 99 |
| 64) 1,2-DIBROMOETHANE | 7.111 | 107 | 25676 | 10.71 | UG/L | # | 98 |
| 67) CHLOROBENZENE | 7.588 | 112 | 76901 | 10.47 | UG/L | | 100 |
| 68) 1,1,1,2-TETRACHLOROETHANE | 7.682 | 131 | 28471 | 9.99 | UG/L | | 100 |
| 69) ETHYLBENZENE | 7.705 | 91 | 135338 | 10.79 | UG/L | | 100 |
| 70) M/P-XYLENES | 7.821 | 91 | 218053 | 21.88 | UG/L | | 98 |
| 71) 0-XYLENE | 8.211 | 91 | 108380 | 10.60 | UG/L | | 97 |
| 72) STYRENE | 8.228 | 104 | 84296 | 10.10 | UG/L | # | 89 |
| 73) BROMOFORM | 8.401 | 173 | 20718 | 9.22 | UG/L | # | 98 |
| 74) ISOPROPYLBENZENE | 8.574 | 105 | 136369 | 10.17 | UG/L | | 100 |
| 76) 1,1,2,2-TETRACHLOROETHANE | 8.901 | 83 | 34173 | 9.91 | UG/L | | 97 |
| 77) 1,4-DICHLORO-2-BUTENE(... | 8.955 | 53 | 16291 | 7.91 | UG/L | | 92 |
| 78) BROMOBENZENE | 8.856 | 77 | 48811 | 9.78 | UG/L | | 89 |
| 79) 1,2,3-TRICHLOROPROPANE | 8.930 | 110 | 10356 | 9.94 | UG/L | | 95 |
| 80) N-PROPYLBENZENE | 8.984 | 91 | 165205 | 10.33 | UG/L | | 98 |
| 81) 2-CHLOROT0LUENE | 9.055 | 91 | 94199 | 10.29 | UG/L | | 96 |
| 82) 1,3,5-TRIMETHYLBENZENE | 9.163 | 105 | 116353 | 10.16 | UG/L | | 99 |
| 83) 4-CHLOROTOLUENE | 9.166 | 91 | 110603 | 10.42 | UG/L | | 95 |
| 85) TERT-BUTYLBENZENE | 9.478 | 119 | 99060 | 9.59 | UG/L | | 95 |
| 86) 1,2,4-TRIMETHYLBENZENE | 9.529 | 105 | 114420 | 9.62 | UG/L | | 99 |
| 87) SEC-BUTYLBENZENE | 9.694 | 105 | 138100 | 9.30 | UG/L | | 100 |
| 88) 1,3-DICHLOROBENZENE | 9.791 | 146 | 65376 | 9.29 | UG/L | | 99 |
| 89) P-ISOPROPYLTOLUENE | 9.848 | 119 | 124389 | 9.56 | UG/L | | 96 |
| 90) 1,4-DICHLOROBENZENE | 9.882 | 146 | 66950 | 9.40 | UG/L | | 95 |
| 91) 1,2,3-TRIMETHYLBENZENE | 9.941 | 105 | 114713 | 8.77 | UG/L | # | 100 |
| 92) N-BUTYLBENZENE | 10.251 | 91 | 109645 | 9.37 | UG/L | | 100 |
| 93) 1,2-DICHLOROBENZENE | 10.245 | 146 | 60496 | 9.53 | UG/L | | 97 |
| 94) 1,2-DIBROMO-3-CHLOROPR... | 11.033 | 75 | 6058 | 8.48 | UG/L | | 97 |
| 95) 1,3,5-TRICHLOROBENZENE | 11.223 | 180 | 48048 | 9.58 | UG/L | | 92 |
| 96) 1,2,4-TRICHLOROBENZENE | 11.840 | 180 | 35546 | 9.33 | UG/L | | 96 |
| 97) HEXACHLOROBUTADIENE | 12.010 | 225 | 18860 | 9.74 | UG/L | | 97 |
| 98) NAPHTHALENE | 12.079 | 128 | 70006 | 8.17 | UG/L | | 100 |
| 99) 1,2,3-TRICHLOROBENZENE | 12.320 | 180 | 27902 | 8.95 | UG/L | | 92 |

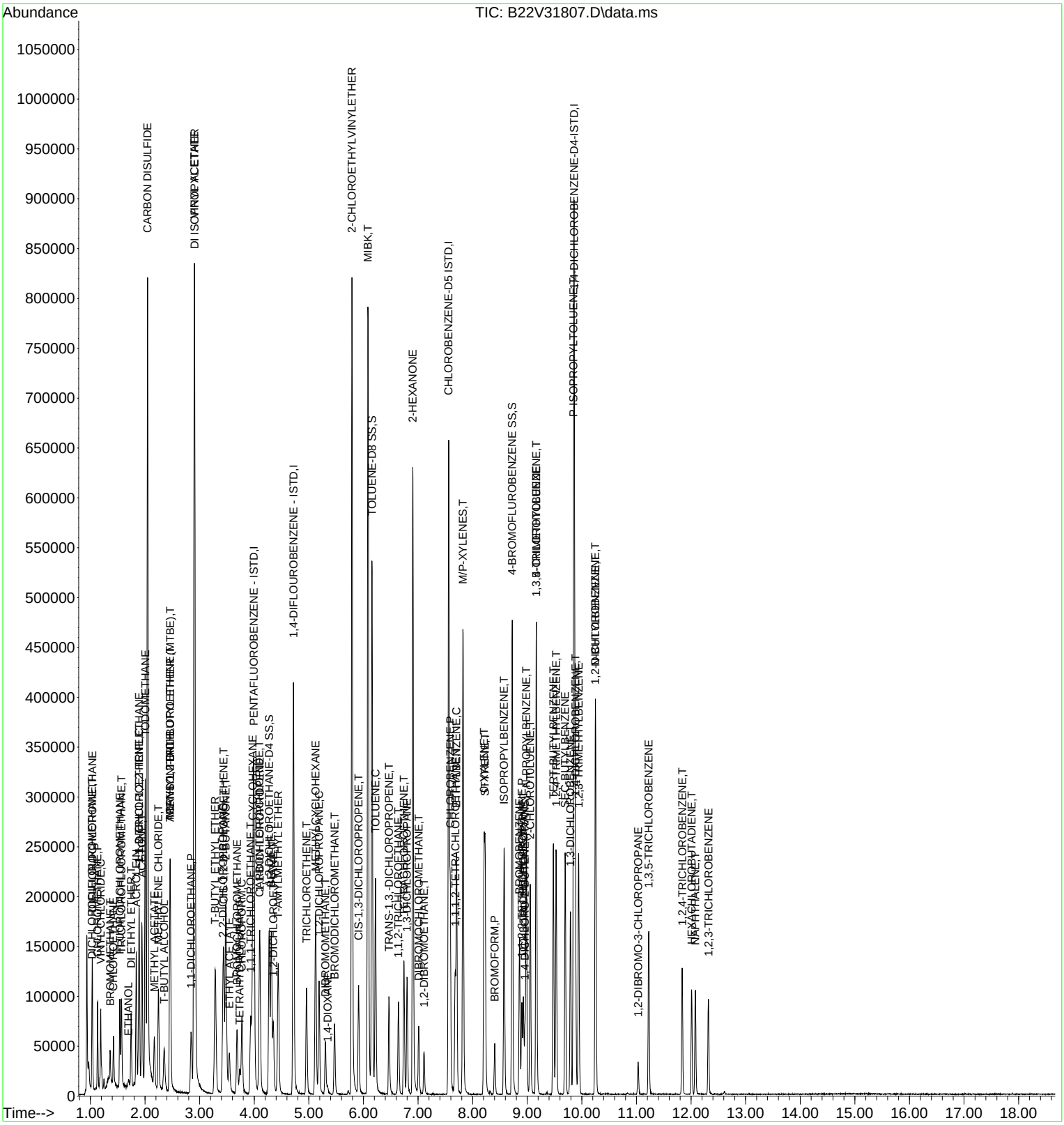
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : \\Voa2\MSDChem\1\DATA\B111422\
Data File : B22V31807.D
Acq On : 14 Nov 2022 9:02 am
Operator :
Sample : B0-BS1 @ (RCP) Inst : GCMSVOA2
Misc :
ALS Vial : 7 Sample Multiplier: 1



Quant Time: Nov 14 09:20:49 2022
Quant Method : C:\MSDCHEM\1\METHODS\B092322W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Mon Oct 03 14:02:43 2022
Response via : Initial Calibration



# 1 - FORM I
# ANALYSIS DATA SHEET

## LCS Dup

| | | | | | |
|---|---|---|---|---|---|
| Laboratory: | Pace New England | | | Work Order: | 22K1604 |
| Client: | NYDEC_GES - Amherst, NY | | Project: | 275 Franklin St, Buffalo - CO 144192 | |
| Matrix: | Water | Laboratory ID: | B322925-BSD1 | File ID: | B22V31808.D |
| Sampled: | | Prepared: | 11/14/22 07:02 | Analyzed: | 11/14/22 09:28 |
| Solids: | | Preparation: | SW-846 5030B | Dilution: | |
| Batch: | B322925 | Sequence: | S079358 | Calibration: | 2200668 |
| Instrument: | GCMSVOA2 | | | | |
| Column: | 1 | | | | |

| CAS NO. | COMPOUND | CONC. (µg/L) | MDL | RL | Q |
|---|---|---|---|---|---|
| 67-64-1 | Acetone | 111 | 2.0 | 50 | |
| 71-43-2 | Benzene | 9.73 | 0.20 | 1.0 | |
| 74-97-5 | Bromochloromethane | 10.5 | 0.31 | 1.0 | |
| 75-27-4 | Bromodichloromethane | 9.83 | 0.18 | 0.50 | |
| 75-25-2 | Bromoform | 9.22 | 0.38 | 1.0 | |
| 74-83-9 | Bromomethane | 6.11 | 1.5 | 2.0 | V-05 |
| 78-93-3 | 2-Butanone (MEK) | 112 | 1.6 | 20 | |
| 75-15-0 | Carbon Disulfide | 97.4 | 1.4 | 5.0 | |
| 56-23-5 | Carbon Tetrachloride | 9.42 | 0.16 | 5.0 | |
| 108-90-7 | Chlorobenzene | 10.4 | 0.11 | 1.0 | |
| 124-48-1 | Chlorodibromomethane | 9.68 | 0.22 | 0.50 | |
| 75-00-3 | Chloroethane | 10.1 | 0.32 | 2.0 | |
| 67-66-3 | Chloroform | 9.45 | 0.17 | 2.0 | |
| 74-87-3 | Chloromethane | 8.83 | 0.52 | 2.0 | |
| 110-82-7 | Cyclohexane | 9.99 | 1.8 | 5.0 | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane (DBCP) | 8.06 | 0.80 | 5.0 | V-05 |
| 106-93-4 | 1,2-Dibromoethane (EDB) | 10.4 | 0.17 | 0.50 | |
| 95-50-1 | 1,2-Dichlorobenzene | 9.30 | 0.12 | 1.0 | |
| 541-73-1 | 1,3-Dichlorobenzene | 9.11 | 0.12 | 1.0 | |
| 106-46-7 | 1,4-Dichlorobenzene | 9.30 | 0.13 | 1.0 | |
| 75-71-8 | Dichlorodifluoromethane (Freon 12) | 10.2 | 0.19 | 2.0 | |
| 75-34-3 | 1,1-Dichloroethane | 10.6 | 0.14 | 1.0 | |
| 107-06-2 | 1,2-Dichloroethane | 10.8 | 0.31 | 1.0 | |
| 75-35-4 | 1,1-Dichloroethylene | 10.5 | 0.14 | 1.0 | |
| 156-59-2 | cis-1,2-Dichloroethylene | 10.5 | 0.15 | 1.0 | |
| 156-60-5 | trans-1,2-Dichloroethylene | 10.4 | 0.17 | 1.0 | |
| 78-87-5 | 1,2-Dichloropropane | 10.5 | 0.18 | 1.0 | |
| 10061-01-5 | cis-1,3-Dichloropropene | 9.63 | 0.16 | 0.50 | |
| 10061-02-6 | trans-1,3-Dichloropropene | 9.69 | 0.17 | 0.50 | |
| 123-91-1 | 1,4-Dioxane | 91.1 | 21 | 50 | |

# 1 - FORM I
# ANALYSIS DATA SHEET

## LCS Dup

| | | | | | |
|---|---|---|---|---|---|
| Laboratory: | Pace New England | | | Work Order: | 22K1604 |
| Client: | NYDEC_GES - Amherst, NY | | Project: | 275 Franklin St, Buffalo - CO 144192 | |
| Matrix: | Water | Laboratory ID: | B322925-BSD1 | File ID: | B22V31808.D |
| Sampled: | | Prepared: | 11/14/22 07:02 | Analyzed: | 11/14/22 09:28 |
| Solids: | | Preparation: | SW-846 5030B | Dilution: | |
| Batch: | B322925 | Sequence: | S079358 | Calibration: | 2200668 |
| Instrument: | GCMSVOA2 | | | | |
| Column: | 1 | | | | |

| CAS NO. | COMPOUND | CONC. (µg/L) | MDL | RL | Q |
|---|---|---|---|---|---|
| 100-41-4 | Ethylbenzene | 10.6 | 0.21 | 1.0 | |
| 591-78-6 | 2-Hexanone (MBK) | 111 | 1.1 | 10 | |
| 98-82-8 | Isopropylbenzene (Cumene) | 9.97 | 0.11 | 1.0 | |
| 79-20-9 | Methyl Acetate | 11.1 | 0.45 | 1.0 | V-20 |
| 1634-04-4 | Methyl tert-Butyl Ether (MTBE) | 9.69 | 0.17 | 1.0 | |
| 108-87-2 | Methyl Cyclohexane | 10.0 | 0.24 | 1.0 | |
| 75-09-2 | Methylene Chloride | 10.4 | 0.23 | 5.0 | |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | 111 | 1.3 | 10 | |
| 100-42-5 | Styrene | 9.93 | 0.11 | 1.0 | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 9.68 | 0.13 | 0.50 | |
| 127-18-4 | Tetrachloroethylene | 11.2 | 0.19 | 1.0 | |
| 108-88-3 | Toluene | 10.6 | 0.22 | 1.0 | |
| 87-61-6 | 1,2,3-Trichlorobenzene | 8.64 | 0.30 | 5.0 | |
| 120-82-1 | 1,2,4-Trichlorobenzene | 9.16 | 0.25 | 1.0 | |
| 71-55-6 | 1,1,1-Trichloroethane | 9.96 | 0.17 | 1.0 | |
| 79-00-5 | 1,1,2-Trichloroethane | 10.5 | 0.18 | 1.0 | |
| 79-01-6 | Trichloroethylene | 10.7 | 0.19 | 1.0 | |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | 10.6 | 0.18 | 2.0 | |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1 | 10.8 | 0.23 | 1.0 | |
| 75-01-4 | Vinyl Chloride | 10.2 | 0.21 | 2.0 | |
| 108383/106423 | m+p Xylene | 21.2 | 0.46 | 2.0 | |
| 95-47-6 | o-Xylene | 10.2 | 0.23 | 1.0 | |
| 1330-20-7 | Xylenes (total) | 31.4 | 1.0 | 1.0 | |

Data Path : \\Voa2\MSDChem\1\DATA\B111422\
Data File : B22V31808.D
Acq On : 14 Nov 2022 9:28 am
Operator :
Sample : B0-BSD1 @ (RCP) Inst : GCMSVOA2
Misc :
ALS Vial : 8 Sample Multiplier: 1



Quant Time: Nov 14 09:46:57 2022
Quant Method : C:\MSDCHEM\1\METHODS\B092322W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Mon Oct 03 14:02:43 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) PENTAFLUOROBENZENE - ISTD | 3.993 | 168 | 181502 | 30.00 | UG/L | | 0.00 |
| 44) 1,4-DIFLOUROBENZENE - ... | 4.718 | 114 | 270583 | 30.00 | UG/L | | 0.00 |
| 65) CHLOROBENZENE-D5 ISTD | 7.563 | 82 | 148209 | 30.00 | UG/L | | 0.00 |
| 84) 1,4-DICHLOROBENZENE-D4... | 9.859 | 152 | 178201 | 30.00 | UG/L | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 2) 1,2-DICHLOROETHANE-D4 SS | 4.274 | 65 | 100259 | 23.92 | UG/L | | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 95.68% | | | | |
| 45) TOLUENE-D8 SS | 6.159 | 98 | 275159 | 24.64 | UG/L | | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 98.56% | | | | |
| 66) 4-BROMOFLUROBENZENE SS | 8.725 | 95 | 123439 | 25.98 | UG/L | | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 103.92% | | | | |
| Target Compounds | | | | | | | Qvalue |
| 3) DICHLORODIFLOUROMETHANE | 1.026 | 85 | 32310 | 10.18 | UG/L | | 100 |
| 4) DIFLUOROCHLOROMETHANE | 1.035 | 51 | 65027 | 10.80 | UG/L | | 93 |
| 5) CHLOROMETHANE | 1.128 | 50 | 56998 | 8.83 | UG/L | | 100 |
| 6) VINYL CHLORIDE | 1.188 | 62 | 41929 | 10.24 | UG/L | | 95 |
| 7) BROMOMETHANE | 1.361 | 94 | 9283 | 6.11 | UG/L | # | 78 |
| 8) CHLOROETHANE | 1.421 | 64 | 23834 | 10.14 | UG/L | | 98 |
| 9) FLUORODICHLOROMETHANE | 1.538 | 67 | 53206 | 10.13 | UG/L | | 97 |
| 10) TRICHLOROFLUOROMETHANE | 1.566 | 101 | 42397 | 10.62 | UG/L | | 92 |
| 11) ETHANOL | 1.700 | 45 | 7803 | 101.89 | UG/L | # | 73 |
| 12) DI ETHYL ETHER | 1.745 | 59 | 27599 | 10.14 | UG/L | | 84 |
| 13) ACROLEIN | 1.839 | 56 | 80644 | 87.34 | UG/L | # | 96 |
| 14) ACETONE | 1.944 | 43 | 160935 | 111.40 | UG/L | | 97 |
| 15) 1,1-DICHLOROETHENE | 1.893 | 61 | 53573 | 10.53 | UG/L | | 93 |
| 16) 1,1,2-TRICL-1,2,2-TRIF... | 1.884 | 101 | 25223 | 10.85 | UG/L | | 98 |
| 17) IODOMETHANE | 2.004 | 142 | 295485 | 80.12 | UG/L | | 96 |
| 18) METHYL ACETATE | 2.171 | 43 | 53844 | 11.08 | UG/L | # | 91 |
| 19) T-BUTYL ALCOHOL | 2.350 | 59 | 46482 | 101.83 | UG/L | | 96 |
| 20) ACRYLONITRILE | 2.461 | 53 | 19350 | 10.15 | UG/L | | 99 |
| 21) METHYLENE CHLORIDE | 2.245 | 49 | 62243 | 10.43 | UG/L | # | 82 |
| 22) CARBON DISULFIDE | 2.046 | 76 | 694257 | 97.44 | UG/L | | 99 |
| 23) METHYL TERT-BUTYL ETHE... | 2.461 | 73 | 71486 | 9.69 | UG/L | # | 82 |
| 24) TRANS 1,2-DICHLOROETHENE | 2.458 | 61 | 50122 | 10.41 | UG/L | | 94 |
| 25) 1,1-DICHLOROETHANE | 2.845 | 63 | 60132 | 10.61 | UG/L | | 97 |
| 26) VINYL ACETATE | 2.905 | 43 | 1091818 | 101.05 | UG/L | # | 95 |
| 27) DI ISOPROPYL ETHER | 2.910 | 45 | 159807 | 10.37 | UG/L | # | 90 |
| 28) 2-BUTANONE | 3.479 | 43 | 241388 | 111.70 | UG/L | # | 89 |
| 29) T-BUTYL ETHYL ETHER | 3.288 | 59 | 119001 | 10.11 | UG/L | | 95 |
| 30) CIS-1,2-DICHLOROETHENE | 3.439 | 61 | 57452 | 10.47 | UG/L | | 92 |
| 31) 2,2-DICHLOROPROPANE | 3.425 | 77 | 40079 | 9.53 | UG/L | | 99 |
| 32) ETHYL ACETATE | 3.547 | 43 | 48900 | 8.47 | UG/L | # | 96 |
| 33) BROMOCHLOROMETHANE | 3.686 | 128 | 12544 | 10.53 | UG/L | # | 73 |
| 34) TETRAHYDROFURAN | 3.734 | 42 | 16540 | 10.05 | UG/L | # | 92 |
| 36) CHLOROFORM | 3.777 | 83 | 45018 | 9.45 | UG/L | | 97 |
| 37) 1,1,1-TRICHLOROETHANE | 3.936 | 97 | 42536 | 9.96 | UG/L | | 95 |
| 38) CYCLOHEXANE | 3.976 | 56 | 86112 | 9.99 | UG/L | # | 89 |
| 39) CARBON TETRACHLORIDE | 4.095 | 117 | 38338 | 9.42 | UG/L | | 96 |
| 40) 1,1-DICHLOROPROPENE | 4.104 | 75 | 36887 | 10.00 | UG/L | | 98 |
| 41) BENZENE | 4.311 | 78 | 97069 | 9.73 | UG/L | | 100 |
| 43) T-AMYLMETHYL ETHER | 4.439 | 73 | 71545 | 9.40 | UG/L | # | 88 |
| 46) 1,2-DICHLOROETHANE | 4.351 | 62 | 48847 | 10.81 | UG/L | | 95 |
| 47) TRICHLOROETHENE | 4.959 | 95 | 27976 | 10.70 | UG/L | | 97 |
| 48) METHYLCYCLOHEXANE | 5.124 | 83 | 46474 | 10.03 | UG/L | # | 78 |
| 49) 1,2-DICHLOROPROPANE | 5.187 | 63 | 34054 | 10.50 | UG/L | | 95 |

Quantitation Report (QT Reviewed)

Data Path : \\Voa2\MSDChem\1\DATA\B111422\
Data File : B22V31808.D
Acq On : 14 Nov 2022 9:28 am
Operator :
Sample : B0-BSD1 @ (RCP) Inst : GCMSVOA2
Misc :
ALS Vial : 8 Sample Multiplier: 1



Quant Time: Nov 14 09:46:57 2022
Quant Method : C:\MSDCHEM\1\METHODS\B092322W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Mon Oct 03 14:02:43 2022
Response via : Initial Calibration

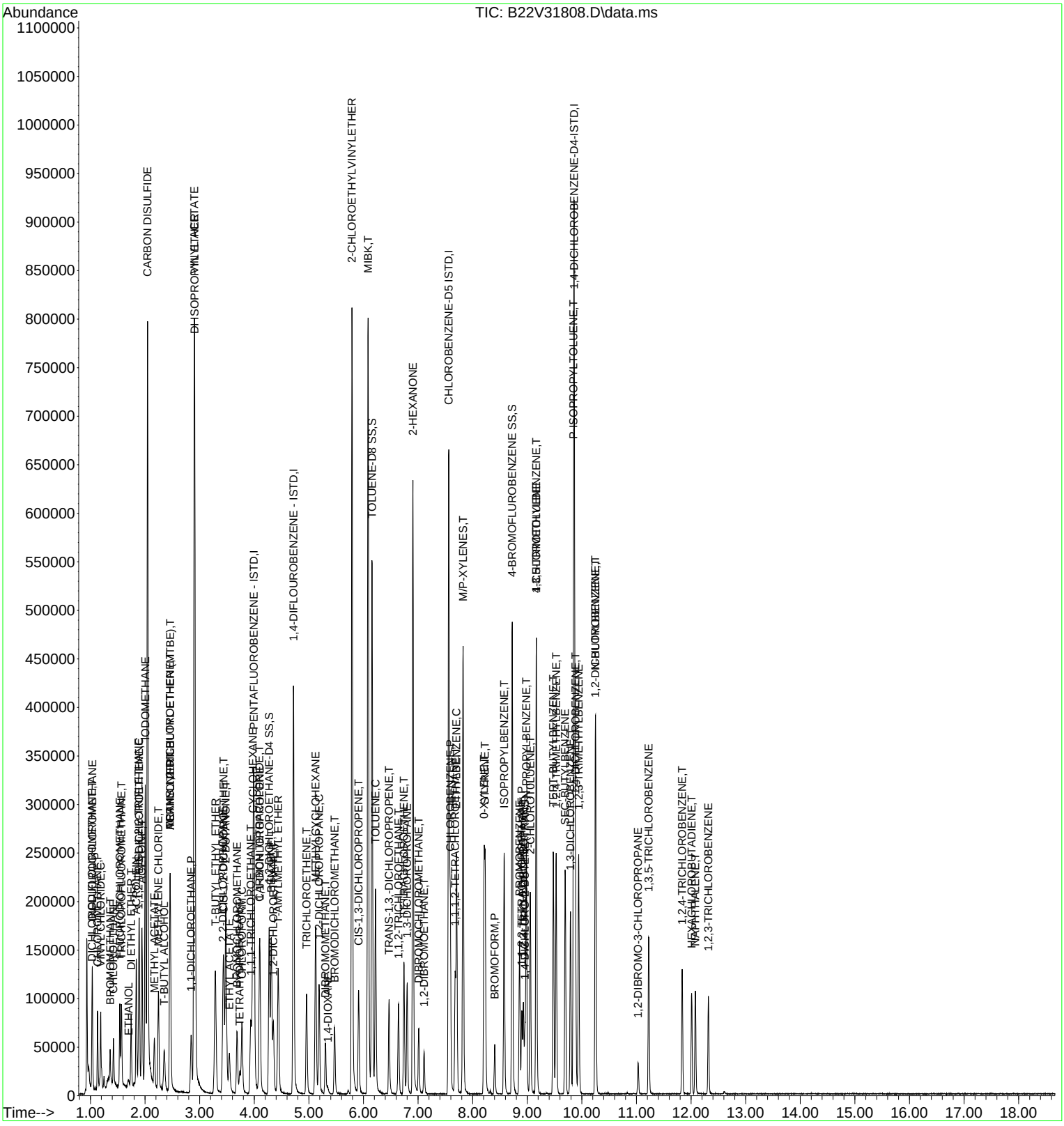
| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 50) DIBROMOMETHANE | 5.303 | 93 | 15989 | 10.48 | UG/L | | 91 |
| 51) 1,4-DIOXANE | 5.352 | 88 | 3457 | 91.09 | UG/L | # | 86 |
| 52) BROMODICHLOROMETHANE | 5.471 | 83 | 34596 | 9.83 | UG/L | | 98 |
| 53) 2-CHLOROETHYLVINYLETHER | 5.789 | 63 | 267082 | 108.14 | UG/L | | 85 |
| 54) MIBK | 6.085 | 43 | 544353 | 111.41 | UG/L | # | 94 |
| 55) CIS-1,3-DICHLOROPROPENE | 5.911 | 75 | 39452 | 9.63 | UG/L | # | 80 |
| 56) TOLUENE | 6.221 | 91 | 113297 | 10.60 | UG/L | | 99 |
| 57) TRANS-1,3,-DICHLOROPRO... | 6.468 | 75 | 34575 | 9.69 | UG/L | # | 85 |
| 59) 1,1,2-TRICHLOROETHANE | 6.642 | 97 | 22831 | 10.52 | UG/L | | 95 |
| 60) 2-HEXANONE | 6.906 | 43 | 404801 | 110.92 | UG/L | # | 94 |
| 61) TETRACHLOROETHENE | 6.741 | 164 | 26607 | 11.23 | UG/L | | 96 |
| 62) 1,3-DICHLOROPROPANE | 6.801 | 76 | 39953 | 10.35 | UG/L | # | 77 |
| 63) DIBROMOCHLOROMETHANE | 7.014 | 129 | 27763 | 9.68 | UG/L | | 100 |
| 64) 1,2-DIBROMOETHANE | 7.111 | 107 | 25285 | 10.36 | UG/L | # | 99 |
| 67) CHLOROBENZENE | 7.591 | 112 | 76936 | 10.38 | UG/L | | 99 |
| 68) 1,1,1,2-TETRACHLOROETHANE | 7.679 | 131 | 28574 | 9.94 | UG/L | | 98 |
| 69) ETHYLBENZENE | 7.705 | 91 | 134280 | 10.62 | UG/L | | 99 |
| 70) M/P-XYLENES | 7.824 | 91 | 212814 | 21.18 | UG/L | | 98 |
| 71) 0-XYLENE | 8.208 | 91 | 105555 | 10.24 | UG/L | | 95 |
| 72) STYRENE | 8.228 | 104 | 83591 | 9.93 | UG/L | # | 89 |
| 73) BROMOFORM | 8.404 | 173 | 20890 | 9.22 | UG/L | # | 99 |
| 74) ISOPROPYLBENZENE | 8.577 | 105 | 134877 | 9.97 | UG/L | | 99 |
| 76) 1,1,2,2-TETRACHLOROETHANE | 8.898 | 83 | 33674 | 9.68 | UG/L | | 98 |
| 77) 1,4-DICHLORO-2-BUTENE(... | 8.958 | 53 | 16040 | 7.73 | UG/L | | 92 |
| 78) BROMOBENZENE | 8.859 | 77 | 48501 | 9.64 | UG/L | | 90 |
| 79) 1,2,3-TRICHLOROPROPANE | 8.930 | 110 | 10416 | 9.92 | UG/L | | 92 |
| 80) N-PROPYLBENZENE | 8.984 | 91 | 161987 | 10.04 | UG/L | | 97 |
| 81) 2-CHLOROT0LUENE | 9.057 | 91 | 91874 | 9.95 | UG/L | | 96 |
| 82) 1,3,5-TRIMETHYLBENZENE | 9.165 | 105 | 115775 | 10.03 | UG/L | | 99 |
| 83) 4-CHLOROTOLUENE | 9.165 | 91 | 109712 | 10.25 | UG/L | | 97 |
| 85) TERT-BUTYLBENZENE | 9.475 | 119 | 98161 | 9.34 | UG/L | | 96 |
| 86) 1,2,4-TRIMETHYLBENZENE | 9.529 | 105 | 113535 | 9.38 | UG/L | | 99 |
| 87) SEC-BUTYLBENZENE | 9.694 | 105 | 136035 | 9.00 | UG/L | | 100 |
| 88) 1,3-DICHLOROBENZENE | 9.794 | 146 | 65275 | 9.11 | UG/L | | 99 |
| 89) P-ISOPROPYLTOLUENE | 9.848 | 119 | 121025 | 9.13 | UG/L | | 97 |
| 90) 1,4-DICHLOROBENZENE | 9.882 | 146 | 67449 | 9.30 | UG/L | | 96 |
| 91) 1,2,3-TRIMETHYLBENZENE | 9.941 | 105 | 115426 | 8.67 | UG/L | # | 100 |
| 92) N-BUTYLBENZENE | 10.251 | 91 | 109941 | 9.23 | UG/L | | 98 |
| 93) 1,2-DICHLOROBENZENE | 10.245 | 146 | 60111 | 9.30 | UG/L | | 98 |
| 94) 1,2-DIBROMO-3-CHLOROPR... | 11.030 | 75 | 5866 | 8.06 | UG/L | | 91 |
| 95) 1,3,5-TRICHLOROBENZENE | 11.223 | 180 | 46998 | 9.20 | UG/L | | 94 |
| 96) 1,2,4-TRICHLOROBENZENE | 11.837 | 180 | 35552 | 9.16 | UG/L | | 95 |
| 97) HEXACHLOROBUTADIENE | 12.010 | 225 | 18480 | 9.37 | UG/L | | 98 |
| 98) NAPHTHALENE | 12.078 | 128 | 71293 | 8.18 | UG/L | | 99 |
| 99) 1,2,3-TRICHLOROBENZENE | 12.317 | 180 | 27428 | 8.64 | UG/L | | 96 |

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

Data Path : \\Voa2\MSDChem\1\DATA\B111422\
Data File : B22V31808.D
Acq On : 14 Nov 2022 9:28 am
Operator :
Sample : B0-BSD1 @ (RCP) Inst : GCMSVOA2
Misc :
ALS Vial : 8 Sample Multiplier: 1



Quant Time: Nov 14 09:46:57 2022
Quant Method : C:\MSDCHEM\1\METHODS\B092322W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Mon Oct 03 14:02:43 2022
Response via : Initial Calibration



# 1 - FORM I
# ANALYSIS DATA SHEET

## Matrix Spike

| | | | | | |
|---|---|---|---|---|---|
| Laboratory: | Pace New England | | | Work Order: | 22K1604 |
| Client: | NYDEC_GES - Amherst, NY | | Project: | 275 Franklin St, Buffalo - CO 144192 | |
| Matrix: | Water | Laboratory ID: | B322925-MS1 | File ID: | B22V31831.D |
| Sampled: | | Prepared: | 11/14/22 07:02 | Analyzed: | 11/14/22 19:29 |
| Solids: | | Preparation: | SW-846 5030B | Dilution: | |
| Batch: | B322925 | Sequence: | S079358 | Calibration: | 2200668 |
| Column: | 1 | | | | |

Instrument: GCMSVOA2

| CAS NO. | COMPOUND | CONC. (µg/L) | MDL | RL | Q |
|---|---|---|---|---|---|
| 67-64-1 | Acetone | 413 | 8.1 | 200 | |
| 71-43-2 | Benzene | 39.7 | 0.80 | 4.0 | |
| 74-97-5 | Bromochloromethane | 42.2 | 1.2 | 4.0 | |
| 75-27-4 | Bromodichloromethane | 38.3 | 0.72 | 2.0 | |
| 75-25-2 | Bromoform | 34.3 | 1.5 | 4.0 | |
| 74-83-9 | Bromomethane | 21.4 | 6.2 | 8.0 | MS-07A, V-05 |
| 78-93-3 | 2-Butanone (MEK) | 433 | 6.5 | 80 | |
| 75-15-0 | Carbon Disulfide | 400 | 5.8 | 20 | |
| 56-23-5 | Carbon Tetrachloride | 39.5 | 0.66 | 20 | |
| 108-90-7 | Chlorobenzene | 41.5 | 0.42 | 4.0 | |
| 124-48-1 | Chlorodibromomethane | 38.0 | 0.89 | 2.0 | |
| 75-00-3 | Chloroethane | 41.5 | 1.3 | 8.0 | |
| 67-66-3 | Chloroform | 39.7 | 0.67 | 8.0 | |
| 74-87-3 | Chloromethane | 33.8 | 2.1 | 8.0 | |
| 110-82-7 | Cyclohexane | 41.2 | 7.0 | 20 | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane (DBCP) | 27.3 | 3.2 | 20 | MS-07A, V-05 |
| 106-93-4 | 1,2-Dibromoethane (EDB) | 40.8 | 0.68 | 2.0 | |
| 95-50-1 | 1,2-Dichlorobenzene | 36.2 | 0.49 | 4.0 | |
| 541-73-1 | 1,3-Dichlorobenzene | 36.1 | 0.47 | 4.0 | |
| 106-46-7 | 1,4-Dichlorobenzene | 36.9 | 0.52 | 4.0 | |
| 75-71-8 | Dichlorodifluoromethane (Freon 12) | 42.3 | 0.77 | 8.0 | |
| 75-34-3 | 1,1-Dichloroethane | 41.4 | 0.57 | 4.0 | |
| 107-06-2 | 1,2-Dichloroethane | 41.2 | 1.2 | 4.0 | |
| 75-35-4 | 1,1-Dichloroethylene | 44.4 | 0.57 | 4.0 | |
| 156-59-2 | cis-1,2-Dichloroethylene | 389 | 0.59 | 4.0 | MS-19 |
| 156-60-5 | trans-1,2-Dichloroethylene | 45.2 | 0.67 | 4.0 | |
| 78-87-5 | 1,2-Dichloropropane | 43.1 | 0.72 | 4.0 | |
| 10061-01-5 | cis-1,3-Dichloropropene | 35.8 | 0.63 | 2.0 | |
| 10061-02-6 | trans-1,3-Dichloropropene | 35.8 | 0.67 | 2.0 | |
| 123-91-1 | 1,4-Dioxane | 341 | 82 | 200 | |

# 1 - FORM I
# ANALYSIS DATA SHEET

## Matrix Spike

| | | | | | |
|---|---|---|---|---|---|
| Laboratory: | Pace New England | | | Work Order: | 22K1604 |
| Client: | NYDEC_GES - Amherst, NY | | Project: | 275 Franklin St, Buffalo - CO 144192 | |
| Matrix: | Water | Laboratory ID: | B322925-MS1 | File ID: | B22V31831.D |
| Sampled: | | Prepared: | 11/14/22 07:02 | Analyzed: | 11/14/22 19:29 |
| Solids: | | Preparation: | SW-846 5030B | Dilution: | |
| Batch: | B322925 | Sequence: | S079358 | Calibration: | 2200668 |
| Column: | 1 | | | | |

Instrument: GCMSVOA2

| CAS NO. | COMPOUND | CONC. (µg/L) | MDL | RL | Q |
|---|---|---|---|---|---|
| 100-41-4 | Ethylbenzene | 41.4 | 0.86 | 4.0 | |
| 591-78-6 | 2-Hexanone (MBK) | 413 | 4.5 | 40 | |
| 98-82-8 | Isopropylbenzene (Cumene) | 39.7 | 0.43 | 4.0 | |
| 79-20-9 | Methyl Acetate | 41.0 | 1.8 | 4.0 | V-20 |
| 1634-04-4 | Methyl tert-Butyl Ether (MTBE) | 36.5 | 0.69 | 4.0 | |
| 108-87-2 | Methyl Cyclohexane | 41.6 | 0.98 | 4.0 | |
| 75-09-2 | Methylene Chloride | 42.7 | 0.94 | 20 | |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | 418 | 5.1 | 40 | |
| 100-42-5 | Styrene | 39.4 | 0.42 | 4.0 | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 38.3 | 0.51 | 2.0 | |
| 127-18-4 | Tetrachloroethylene | 297 | 0.75 | 4.0 | |
| 108-88-3 | Toluene | 42.5 | 0.90 | 4.0 | |
| 87-61-6 | 1,2,3-Trichlorobenzene | 30.7 | 1.2 | 20 | |
| 120-82-1 | 1,2,4-Trichlorobenzene | 33.7 | 0.99 | 4.0 | |
| 71-55-6 | 1,1,1-Trichloroethane | 40.5 | 0.68 | 4.0 | |
| 79-00-5 | 1,1,2-Trichloroethane | 40.6 | 0.73 | 4.0 | |
| 79-01-6 | Trichloroethylene | 89.8 | 0.76 | 4.0 | |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | 43.2 | 0.70 | 8.0 | |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1 | 43.0 | 0.91 | 4.0 | |
| 75-01-4 | Vinyl Chloride | 43.8 | 0.83 | 8.0 | |
| 108383/106423 | m+p Xylene | 82.8 | 1.8 | 8.0 | |
| 95-47-6 | o-Xylene | 41.0 | 0.92 | 4.0 | |
| 1330-20-7 | Xylenes (total) | 124 | 4.0 | 4.0 | |

Data Path : \\Voa2\MSDChem\1\DATA\B111422\
Data File : B22V31831.D
Acq On : 14 Nov 2022 7:29 pm
Operator :
Sample : 22K1604-01MS1 @ 4X Inst : GCMSVOA2
Misc : 4
ALS Vial : 31 Sample Multiplier: 1



Quant Time: Nov 14 19:48:14 2022
Quant Method : C:\MSDCHEM\1\METHODS\B092322W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Mon Oct 03 14:02:43 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) PENTAFLUOROBENZENE - ISTD | 3.993 | 168 | 178436 | 30.00 | UG/L | | 0.00 |
| 44) 1,4-DIFLOUROBENZENE - ... | 4.715 | 114 | 263410 | 30.00 | UG/L | | 0.00 |
| 65) CHLOROBENZENE-D5 ISTD | 7.563 | 82 | 147820 | 30.00 | UG/L | | 0.00 |
| 84) 1,4-DICHLOROBENZENE-D4... | 9.859 | 152 | 180819 | 30.00 | UG/L | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 2) 1,2-DICHLOROETHANE-D4 SS | 4.272 | 65 | 98304 | 23.85 | UG/L | | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 95.40% | | | | |
| 45) TOLUENE-D8 SS | 6.156 | 98 | 269454 | 24.79 | UG/L | | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 99.16% | | | | |
| 66) 4-BROMOFLUROBENZENE SS | 8.725 | 95 | 121378 | 25.61 | UG/L | | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 102.44% | | | | |
| Target Compounds | | | | | | | Qvalue |
| 3) DICHLORODIFLOUROMETHANE | 1.026 | 85 | 32973 | 10.57 | UG/L | | 99 |
| 4) DIFLUOROCHLOROMETHANE | 1.035 | 51 | 68093 | 11.51 | UG/L | # | 93 |
| 5) CHLOROMETHANE | 1.129 | 50 | 53591 | 8.45 | UG/L | | 98 |
| 6) VINYL CHLORIDE | 1.185 | 62 | 44074 | 10.94 | UG/L | | 95 |
| 7) BROMOMETHANE | 1.356 | 94 | 8000 | 5.36 | UG/L | | 95 |
| 8) CHLOROETHANE | 1.410 | 64 | 23980 | 10.37 | UG/L | | 92 |
| 9) FLUORODICHLOROMETHANE | 1.532 | 67 | 54072 | 10.48 | UG/L | | 99 |
| 10) TRICHLOROFLUOROMETHANE | 1.558 | 101 | 42443 | 10.81 | UG/L | | 94 |
| 11) ETHANOL | 1.742 | 45 | 37329 | 495.80 | UG/L | # | 69 |
| 12) DI ETHYL ETHER | 1.745 | 59 | 26472 | 9.89 | UG/L | # | 53 |
| 13) ACROLEIN | 1.839 | 56 | 73778 | 81.28 | UG/L | # | 95 |
| 14) ACETONE | 1.944 | 43 | 146617 | 103.23 | UG/L | | 95 |
| 15) 1,1-DICHLOROETHENE | 1.887 | 61 | 55569 | 11.11 | UG/L | | 92 |
| 16) 1,1,2-TRICL-1,2,2-TRIF... | 1.879 | 101 | 24607 | 10.76 | UG/L | | 98 |
| 17) IODOMETHANE | 1.998 | 142 | 213679 | 58.93 | UG/L | | 99 |
| 18) METHYL ACETATE | 2.169 | 43 | 48914 | 10.24 | UG/L | # | 91 |
| 19) T-BUTYL ALCOHOL | 2.356 | 59 | 41511 | 92.50 | UG/L | | 96 |
| 20) ACRYLONITRILE | 2.461 | 53 | 17537 | 9.36 | UG/L | | 98 |
| 21) METHYLENE CHLORIDE | 2.245 | 49 | 62658 | 10.68 | UG/L | # | 82 |
| 22) CARBON DISULFIDE | 2.041 | 76 | 699876 | 99.92 | UG/L | | 99 |
| 23) METHYL TERT-BUTYL ETHE... | 2.461 | 73 | 66208 | 9.13 | UG/L | # | 84 |
| 24) TRANS 1,2-DICHLOROETHENE | 2.453 | 61 | 53493 | 11.30 | UG/L | | 93 |
| 25) 1,1-DICHLOROETHANE | 2.842 | 63 | 57637 | 10.35 | UG/L | | 97 |
| 26) VINYL ACETATE | 2.902 | 43 | 1029975 | 96.97 | UG/L | # | 95 |
| 27) DI ISOPROPYL ETHER | 2.908 | 45 | 156377 | 10.33 | UG/L | # | 88 |
| 28) 2-BUTANONE | 3.479 | 43 | 230188 | 108.35 | UG/L | # | 89 |
| 29) T-BUTYL ETHYL ETHER | 3.286 | 59 | 113346 | 9.79 | UG/L | | 95 |
| 30) CIS-1,2-DICHLOROETHENE | 3.439 | 61 | 525278 | 97.37 | UG/L | | 100 |
| 31) 2,2-DICHLOROPROPANE | 3.431 | 77 | 31860 | 7.71 | UG/L | # | 72 |
| 33) BROMOCHLOROMETHANE | 3.683 | 128 | 12353 | 10.55 | UG/L | # | 73 |
| 34) TETRAHYDROFURAN | 3.735 | 42 | 15572 | 9.63 | UG/L | # | 93 |
| 36) CHLOROFORM | 3.774 | 83 | 46499 | 9.93 | UG/L | | 99 |
| 37) 1,1,1-TRICHLOROETHANE | 3.934 | 97 | 42510 | 10.12 | UG/L | | 96 |
| 38) CYCLOHEXANE | 3.973 | 56 | 87293 | 10.30 | UG/L | # | 90 |
| 39) CARBON TETRACHLORIDE | 4.093 | 117 | 39537 | 9.88 | UG/L | | 98 |
| 40) 1,1-DICHLOROPROPENE | 4.101 | 75 | 36476 | 10.06 | UG/L | | 98 |
| 41) BENZENE | 4.312 | 78 | 97266 | 9.92 | UG/L | | 99 |
| 43) T-AMYLMETHYL ETHER | 4.437 | 73 | 67064 | 8.97 | UG/L | # | 85 |
| 46) 1,2-DICHLOROETHANE | 4.351 | 62 | 45365 | 10.31 | UG/L | | 93 |
| 47) TRICHLOROETHENE | 4.960 | 95 | 57153 | 22.46 | UG/L | | 96 |
| 48) METHYLCYCLOHEXANE | 5.124 | 83 | 46874 | 10.39 | UG/L | # | 80 |
| 49) 1,2-DICHLOROPROPANE | 5.184 | 63 | 33986 | 10.77 | UG/L | | 93 |
| 50) DIBROMOMETHANE | 5.303 | 93 | 15282 | 10.29 | UG/L | | 92 |

Data Path : \\Voa2\MSDChem\1\DATA\B111422\
Data File : B22V31831.D
Acq On : 14 Nov 2022 7:29 pm
Operator :
Sample : 22K1604-01MS1 @ 4X Inst : GCMSVOA2
Misc : 4
ALS Vial : 31 Sample Multiplier: 1



Quant Time: Nov 14 19:48:14 2022
Quant Method : C:\MSDCHEM\1\METHODS\B092322W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Mon Oct 03 14:02:43 2022
Response via : Initial Calibration

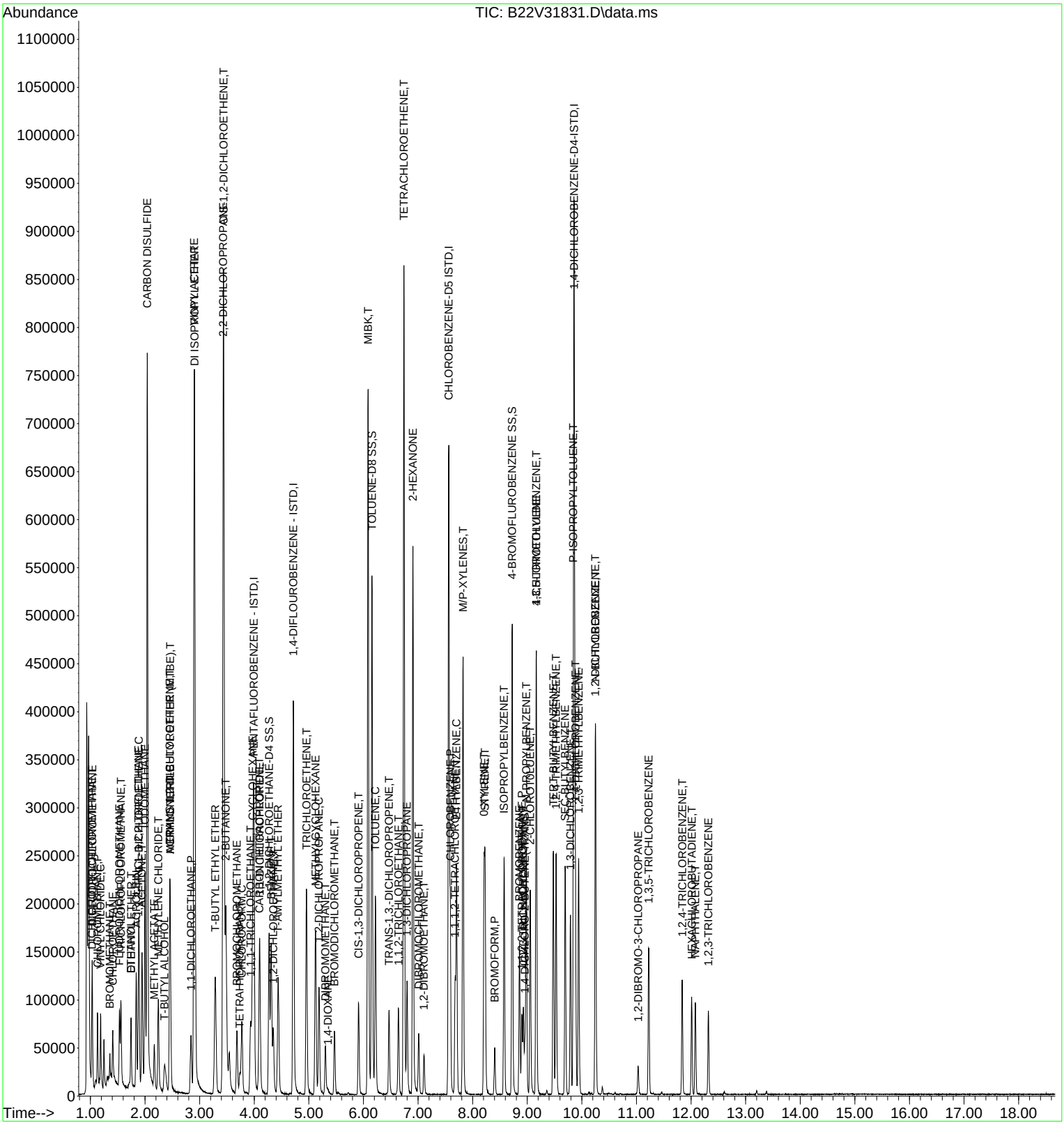
| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 51) 1,4-DIOXANE | 5.352 | 88 | 3150 | 85.26 | UG/L | # | 86 |
| 52) BROMODICHLOROMETHANE | 5.468 | 83 | 32818 | 9.58 | UG/L | | 98 |
| 54) MIBK | 6.085 | 43 | 496962 | 104.48 | UG/L | # | 94 |
| 55) CIS-1,3-DICHLOROPROPENE | 5.912 | 75 | 35662 | 8.94 | UG/L | # | 81 |
| 56) TOLUENE | 6.219 | 91 | 110515 | 10.62 | UG/L | | 99 |
| 57) TRANS-1,3,-DICHLOROPRO... | 6.469 | 75 | 31036 | 8.94 | UG/L | # | 86 |
| 59) 1,1,2-TRICHLOROETHANE | 6.642 | 97 | 21463 | 10.16 | UG/L | | 99 |
| 60) 2-HEXANONE | 6.906 | 43 | 367024 | 103.31 | UG/L | # | 95 |
| 61) TETRACHLOROETHENE | 6.741 | 164 | 171285 | 74.25 | UG/L | | 96 |
| 62) 1,3-DICHLOROPROPANE | 6.798 | 76 | 38814 | 10.33 | UG/L | # | 78 |
| 63) DIBROMOCHLOROMETHANE | 7.011 | 129 | 26518 | 9.50 | UG/L | | 99 |
| 64) 1,2-DIBROMOETHANE | 7.108 | 107 | 24212 | 10.19 | UG/L | # | 100 |
| 67) CHLOROBENZENE | 7.591 | 112 | 76653 | 10.37 | UG/L | | 97 |
| 68) 1,1,1,2-TETRACHLOROETHANE | 7.676 | 131 | 27777 | 9.69 | UG/L | | 98 |
| 69) ETHYLBENZENE | 7.705 | 91 | 130354 | 10.34 | UG/L | | 100 |
| 70) M/P-XYLENES | 7.824 | 91 | 207380 | 20.70 | UG/L | | 97 |
| 71) 0-XYLENE | 8.208 | 91 | 105418 | 10.25 | UG/L | | 97 |
| 72) STYRENE | 8.228 | 104 | 82696 | 9.85 | UG/L | # | 91 |
| 73) BROMOFORM | 8.404 | 173 | 19376 | 8.57 | UG/L | # | 99 |
| 74) ISOPROPYLBENZENE | 8.575 | 105 | 133903 | 9.93 | UG/L | | 100 |
| 76) 1,1,2,2-TETRACHLOROETHANE | 8.901 | 83 | 33206 | 9.57 | UG/L | | 100 |
| 77) 1,4-DICHLORO-2-BUTENE(... | 8.955 | 53 | 14232 | 6.87 | UG/L | | 89 |
| 78) BROMOBENZENE | 8.856 | 77 | 47391 | 9.44 | UG/L | | 89 |
| 79) 1,2,3-TRICHLOROPROPANE | 8.927 | 110 | 9921 | 9.47 | UG/L | | 89 |
| 80) N-PROPYLBENZENE | 8.984 | 91 | 161815 | 10.06 | UG/L | | 98 |
| 81) 2-CHLOROT0LUENE | 9.055 | 91 | 92854 | 10.09 | UG/L | | 95 |
| 82) 1,3,5-TRIMETHYLBENZENE | 9.166 | 105 | 116968 | 10.16 | UG/L | | 99 |
| 83) 4-CHLOROTOLUENE | 9.166 | 91 | 108820 | 10.19 | UG/L | | 96 |
| 85) TERT-BUTYLBENZENE | 9.478 | 119 | 98894 | 9.27 | UG/L | | 96 |
| 86) 1,2,4-TRIMETHYLBENZENE | 9.527 | 105 | 116951 | 9.52 | UG/L | | 99 |
| 87) SEC-BUTYLBENZENE | 9.694 | 105 | 138690 | 9.04 | UG/L | | 100 |
| 88) 1,3-DICHLOROBENZENE | 9.791 | 146 | 65580 | 9.02 | UG/L | | 98 |
| 89) P-ISOPROPYLTOLUENE | 9.845 | 119 | 119335 | 8.87 | UG/L | | 97 |
| 90) 1,4-DICHLOROBENZENE | 9.882 | 146 | 67906 | 9.23 | UG/L | | 95 |
| 91) 1,2,3-TRIMETHYLBENZENE | 9.941 | 105 | 116079 | 8.59 | UG/L | # | 100 |
| 92) N-BUTYLBENZENE | 10.251 | 91 | 106135 | 8.78 | UG/L | | 99 |
| 93) 1,2-DICHLOROBENZENE | 10.246 | 146 | 59274 | 9.04 | UG/L | | 97 |
| 94) 1,2-DIBROMO-3-CHLOROPR... | 11.033 | 75 | 5035 | 6.82 | UG/L | | 86 |
| 95) 1,3,5-TRICHLOROBENZENE | 11.223 | 180 | 44936 | 8.67 | UG/L | | 93 |
| 96) 1,2,4-TRICHLOROBENZENE | 11.840 | 180 | 33135 | 8.42 | UG/L | | 97 |
| 97) HEXACHLOROBUTADIENE | 12.013 | 225 | 17677 | 8.83 | UG/L | | 99 |
| 98) NAPHTHALENE | 12.079 | 128 | 63883 | 7.22 | UG/L | | 99 |
| 99) 1,2,3-TRICHLOROBENZENE | 12.317 | 180 | 24707 | 7.67 | UG/L | | 95 |

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

Data Path : \\Voa2\MSDChem\1\DATA\B111422\
Data File : B22V31831.D
Acq On : 14 Nov 2022 7:29 pm
Operator :
Sample : 22K1604-01MS1 @ 4X Inst : GCMSVOA2
Misc : 4
ALS Vial : 31 Sample Multiplier: 1



Quant Time: Nov 14 19:48:14 2022
Quant Method : C:\MSDCHEM\1\METHODS\B092322W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Mon Oct 03 14:02:43 2022
Response via : Initial Calibration



# 1 - FORM I
# ANALYSIS DATA SHEET

## Matrix Spike Dup

| | | | | | |
|---|---|---|---|---|---|
| Laboratory: | Pace New England | | | Work Order: | 22K1604 |
| Client: | NYDEC_GES - Amherst, NY | | Project: | 275 Franklin St, Buffalo - CO 144192 | |
| Matrix: | Water | Laboratory ID: | B322925-MSD1 | File ID: | B22V31832.D |
| Sampled: | | Prepared: | 11/14/22 07:02 | Analyzed: | 11/14/22 19:55 |
| Solids: | | Preparation: | SW-846 5030B | Dilution: | |
| Batch: | B322925 | Sequence: | S079358 | Calibration: | 2200668 |
| Column: | 1 | | | | |

Instrument: GCMSVOA2

| CAS NO. | COMPOUND | CONC. (µg/L) | MDL | RL | Q |
|---|---|---|---|---|---|
| 67-64-1 | Acetone | 403 | 8.1 | 200 | |
| 71-43-2 | Benzene | 38.2 | 0.80 | 4.0 | |
| 74-97-5 | Bromochloromethane | 42.3 | 1.2 | 4.0 | |
| 75-27-4 | Bromodichloromethane | 36.2 | 0.72 | 2.0 | |
| 75-25-2 | Bromoform | 33.1 | 1.5 | 4.0 | |
| 74-83-9 | Bromomethane | 16.6 | 6.2 | 8.0 | MS-07A, V-05 |
| 78-93-3 | 2-Butanone (MEK) | 423 | 6.5 | 80 | |
| 75-15-0 | Carbon Disulfide | 394 | 5.8 | 20 | |
| 56-23-5 | Carbon Tetrachloride | 38.8 | 0.66 | 20 | |
| 108-90-7 | Chlorobenzene | 40.0 | 0.42 | 4.0 | |
| 124-48-1 | Chlorodibromomethane | 36.3 | 0.89 | 2.0 | |
| 75-00-3 | Chloroethane | 43.1 | 1.3 | 8.0 | |
| 67-66-3 | Chloroform | 39.8 | 0.67 | 8.0 | |
| 74-87-3 | Chloromethane | 31.8 | 2.1 | 8.0 | |
| 110-82-7 | Cyclohexane | 40.1 | 7.0 | 20 | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane (DBCP) | 25.5 | 3.2 | 20 | MS-07A, V-05 |
| 106-93-4 | 1,2-Dibromoethane (EDB) | 39.8 | 0.68 | 2.0 | |
| 95-50-1 | 1,2-Dichlorobenzene | 34.5 | 0.49 | 4.0 | |
| 541-73-1 | 1,3-Dichlorobenzene | 34.1 | 0.47 | 4.0 | |
| 106-46-7 | 1,4-Dichlorobenzene | 35.2 | 0.52 | 4.0 | |
| 75-71-8 | Dichlorodifluoromethane (Freon 12) | 40.6 | 0.77 | 8.0 | |
| 75-34-3 | 1,1-Dichloroethane | 40.4 | 0.57 | 4.0 | |
| 107-06-2 | 1,2-Dichloroethane | 40.4 | 1.2 | 4.0 | |
| 75-35-4 | 1,1-Dichloroethylene | 42.6 | 0.57 | 4.0 | |
| 156-59-2 | cis-1,2-Dichloroethylene | 400 | 0.59 | 4.0 | MS-19 |
| 156-60-5 | trans-1,2-Dichloroethylene | 45.3 | 0.67 | 4.0 | |
| 78-87-5 | 1,2-Dichloropropane | 40.8 | 0.72 | 4.0 | |
| 10061-01-5 | cis-1,3-Dichloropropene | 34.8 | 0.63 | 2.0 | |
| 10061-02-6 | trans-1,3-Dichloropropene | 34.7 | 0.67 | 2.0 | |
| 123-91-1 | 1,4-Dioxane | 332 | 82 | 200 | |

# 1 - FORM I
# ANALYSIS DATA SHEET

## Matrix Spike Dup

| | | | | | |
|---|---|---|---|---|---|
| Laboratory: | Pace New England | | | Work Order: | 22K1604 |
| Client: | NYDEC_GES - Amherst, NY | | Project: | 275 Franklin St, Buffalo - CO 144192 | |
| Matrix: | Water | Laboratory ID: | B322925-MSD1 | File ID: | B22V31832.D |
| Sampled: | | Prepared: | 11/14/22 07:02 | Analyzed: | 11/14/22 19:55 |
| Solids: | | Preparation: | SW-846 5030B | Dilution: | |
| Batch: | B322925 | Sequence: | S079358 | Calibration: | 2200668 |
| Instrument: | GCMSVOA2 | | | | |
| Column: | 1 | | | | |

| CAS NO. | COMPOUND | CONC. (µg/L) | MDL | RL | Q |
|---|---|---|---|---|---|
| 100-41-4 | Ethylbenzene | 39.9 | 0.86 | 4.0 | |
| 591-78-6 | 2-Hexanone (MBK) | 399 | 4.5 | 40 | |
| 98-82-8 | Isopropylbenzene (Cumene) | 38.0 | 0.43 | 4.0 | |
| 79-20-9 | Methyl Acetate | 39.9 | 1.8 | 4.0 | V-20 |
| 1634-04-4 | Methyl tert-Butyl Ether (MTBE) | 35.9 | 0.69 | 4.0 | |
| 108-87-2 | Methyl Cyclohexane | 39.6 | 0.98 | 4.0 | |
| 75-09-2 | Methylene Chloride | 43.1 | 0.94 | 20 | |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | 402 | 5.1 | 40 | |
| 100-42-5 | Styrene | 37.6 | 0.42 | 4.0 | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 36.1 | 0.51 | 2.0 | |
| 127-18-4 | Tetrachloroethylene | 298 | 0.75 | 4.0 | |
| 108-88-3 | Toluene | 41.1 | 0.90 | 4.0 | |
| 87-61-6 | 1,2,3-Trichlorobenzene | 30.7 | 1.2 | 20 | |
| 120-82-1 | 1,2,4-Trichlorobenzene | 32.1 | 0.99 | 4.0 | |
| 71-55-6 | 1,1,1-Trichloroethane | 39.8 | 0.68 | 4.0 | |
| 79-00-5 | 1,1,2-Trichloroethane | 40.8 | 0.73 | 4.0 | |
| 79-01-6 | Trichloroethylene | 90.8 | 0.76 | 4.0 | |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | 42.6 | 0.70 | 8.0 | |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1 | 42.9 | 0.91 | 4.0 | |
| 75-01-4 | Vinyl Chloride | 43.6 | 0.83 | 8.0 | |
| 108383/106423 | m+p Xylene | 80.5 | 1.8 | 8.0 | |
| 95-47-6 | o-Xylene | 39.5 | 0.92 | 4.0 | |
| 1330-20-7 | Xylenes (total) | 120 | 4.0 | 4.0 | |

Data Path : \\Voa2\MSDChem\1\DATA\B111422\
Data File : B22V31832.D
Acq On : 14 Nov 2022 7:55 pm
Operator :
Sample : 22K1604-01MSD1 @ 4X Inst : GCMSVOA2
Misc : 4
ALS Vial : 32 Sample Multiplier: 1



Quant Time: Nov 14 20:14:20 2022
Quant Method : C:\MSDCHEM\1\METHODS\B092322W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Mon Oct 03 14:02:43 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) PENTAFLUOROBENZENE - ISTD | 3.993 | 168 | 175903 | 30.00 | UG/L | | 0.00 |
| 44) 1,4-DIFLOUROBENZENE - ... | 4.718 | 114 | 260665 | 30.00 | UG/L | | 0.00 |
| 65) CHLOROBENZENE-D5 ISTD | 7.563 | 82 | 147747 | 30.00 | UG/L | | 0.00 |
| 84) 1,4-DICHLOROBENZENE-D4... | 9.859 | 152 | 182309 | 30.00 | UG/L | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 2) 1,2-DICHLOROETHANE-D4 SS | 4.272 | 65 | 99178 | 24.41 | UG/L | | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 97.64% | | | | |
| 45) TOLUENE-D8 SS | 6.156 | 98 | 267832 | 24.90 | UG/L | | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 99.60% | | | | |
| 66) 4-BROMOFLUROBENZENE SS | 8.725 | 95 | 122592 | 25.88 | UG/L | | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 103.52% | | | | |
| Target Compounds | | | | | | | Qvalue |
| 3) DICHLORODIFLOUROMETHANE | 1.026 | 85 | 31179 | 10.14 | UG/L | | 99 |
| 4) DIFLUOROCHLOROMETHANE | 1.035 | 51 | 65576 | 11.24 | UG/L | # | 92 |
| 5) CHLOROMETHANE | 1.128 | 50 | 49806 | 7.96 | UG/L | | 99 |
| 6) VINYL CHLORIDE | 1.188 | 62 | 43247 | 10.89 | UG/L | | 99 |
| 7) BROMOMETHANE | 1.356 | 94 | 6124 | 4.16 | UG/L | # | 81 |
| 8) CHLOROETHANE | 1.410 | 64 | 24562 | 10.78 | UG/L | | 95 |
| 9) FLUORODICHLOROMETHANE | 1.532 | 67 | 53904 | 10.59 | UG/L | | 99 |
| 10) TRICHLOROFLUOROMETHANE | 1.558 | 101 | 41180 | 10.64 | UG/L | | 94 |
| 11) ETHANOL | 1.742 | 45 | 34775 | 468.53 | UG/L | # | 60 |
| 12) DI ETHYL ETHER | 1.745 | 59 | 26155 | 9.92 | UG/L | # | 58 |
| 13) ACROLEIN | 1.839 | 56 | 70315 | 78.58 | UG/L | # | 95 |
| 14) ACETONE | 1.944 | 43 | 140907 | 100.64 | UG/L | | 96 |
| 15) 1,1-DICHLOROETHENE | 1.887 | 61 | 52433 | 10.64 | UG/L | | 93 |
| 16) 1,1,2-TRICL-1,2,2-TRIF... | 1.879 | 101 | 24160 | 10.72 | UG/L | | 97 |
| 17) IODOMETHANE | 2.001 | 142 | 183680 | 51.39 | UG/L | | 99 |
| 18) METHYL ACETATE | 2.171 | 43 | 46941 | 9.97 | UG/L | # | 89 |
| 19) T-BUTYL ALCOHOL | 2.359 | 59 | 39413 | 89.09 | UG/L | | 96 |
| 20) ACRYLONITRILE | 2.464 | 53 | 16973 | 9.19 | UG/L | | 98 |
| 21) METHYLENE CHLORIDE | 2.245 | 49 | 62356 | 10.78 | UG/L | # | 82 |
| 22) CARBON DISULFIDE | 2.044 | 76 | 680514 | 98.55 | UG/L | | 100 |
| 23) METHYL TERT-BUTYL ETHE... | 2.461 | 73 | 64185 | 8.98 | UG/L | # | 82 |
| 24) TRANS 1,2-DICHLOROETHENE | 2.453 | 61 | 52886 | 11.33 | UG/L | | 92 |
| 25) 1,1-DICHLOROETHANE | 2.839 | 63 | 55536 | 10.11 | UG/L | | 97 |
| 26) VINYL ACETATE | 2.902 | 43 | 977317 | 93.34 | UG/L | # | 95 |
| 27) DI ISOPROPYL ETHER | 2.908 | 45 | 147342 | 9.87 | UG/L | # | 90 |
| 28) 2-BUTANONE | 3.479 | 43 | 221575 | 105.80 | UG/L | # | 90 |
| 29) T-BUTYL ETHYL ETHER | 3.288 | 59 | 108824 | 9.54 | UG/L | | 94 |
| 30) CIS-1,2-DICHLOROETHENE | 3.439 | 61 | 532011 | 100.04 | UG/L | | 100 |
| 31) 2,2-DICHLOROPROPANE | 3.428 | 77 | 30622 | 7.51 | UG/L | # | 72 |
| 33) BROMOCHLOROMETHANE | 3.683 | 128 | 12212 | 10.58 | UG/L | # | 75 |
| 34) TETRAHYDROFURAN | 3.740 | 42 | 14592 | 9.15 | UG/L | # | 94 |
| 36) CHLOROFORM | 3.774 | 83 | 45932 | 9.95 | UG/L | | 99 |
| 37) 1,1,1-TRICHLOROETHANE | 3.936 | 97 | 41151 | 9.94 | UG/L | | 95 |
| 38) CYCLOHEXANE | 3.976 | 56 | 83733 | 10.02 | UG/L | # | 89 |
| 39) CARBON TETRACHLORIDE | 4.093 | 117 | 38240 | 9.70 | UG/L | | 97 |
| 40) 1,1-DICHLOROPROPENE | 4.101 | 75 | 35858 | 10.03 | UG/L | | 98 |
| 41) BENZENE | 4.311 | 78 | 92258 | 9.54 | UG/L | | 99 |
| 43) T-AMYLMETHYL ETHER | 4.439 | 73 | 64201 | 8.71 | UG/L | # | 86 |
| 46) 1,2-DICHLOROETHANE | 4.351 | 62 | 44016 | 10.11 | UG/L | | 96 |
| 47) TRICHLOROETHENE | 4.959 | 95 | 57159 | 22.70 | UG/L | | 97 |
| 48) METHYLCYCLOHEXANE | 5.127 | 83 | 44191 | 9.90 | UG/L | # | 78 |
| 49) 1,2-DICHLOROPROPANE | 5.187 | 63 | 31881 | 10.21 | UG/L | | 94 |
| 50) DIBROMOMETHANE | 5.303 | 93 | 14806 | 10.07 | UG/L | | 92 |

Data Path : \\Voa2\MSDChem\1\DATA\B111422\
Data File : B22V31832.D
Acq On : 14 Nov 2022 7:55 pm
Operator :
Sample : 22K1604-01MSD1 @ 4X Inst : GCMSVOA2
Misc : 4
ALS Vial : 32 Sample Multiplier: 1



Quant Time: Nov 14 20:14:20 2022
Quant Method : C:\MSDCHEM\1\METHODS\B092322W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Mon Oct 03 14:02:43 2022
Response via : Initial Calibration

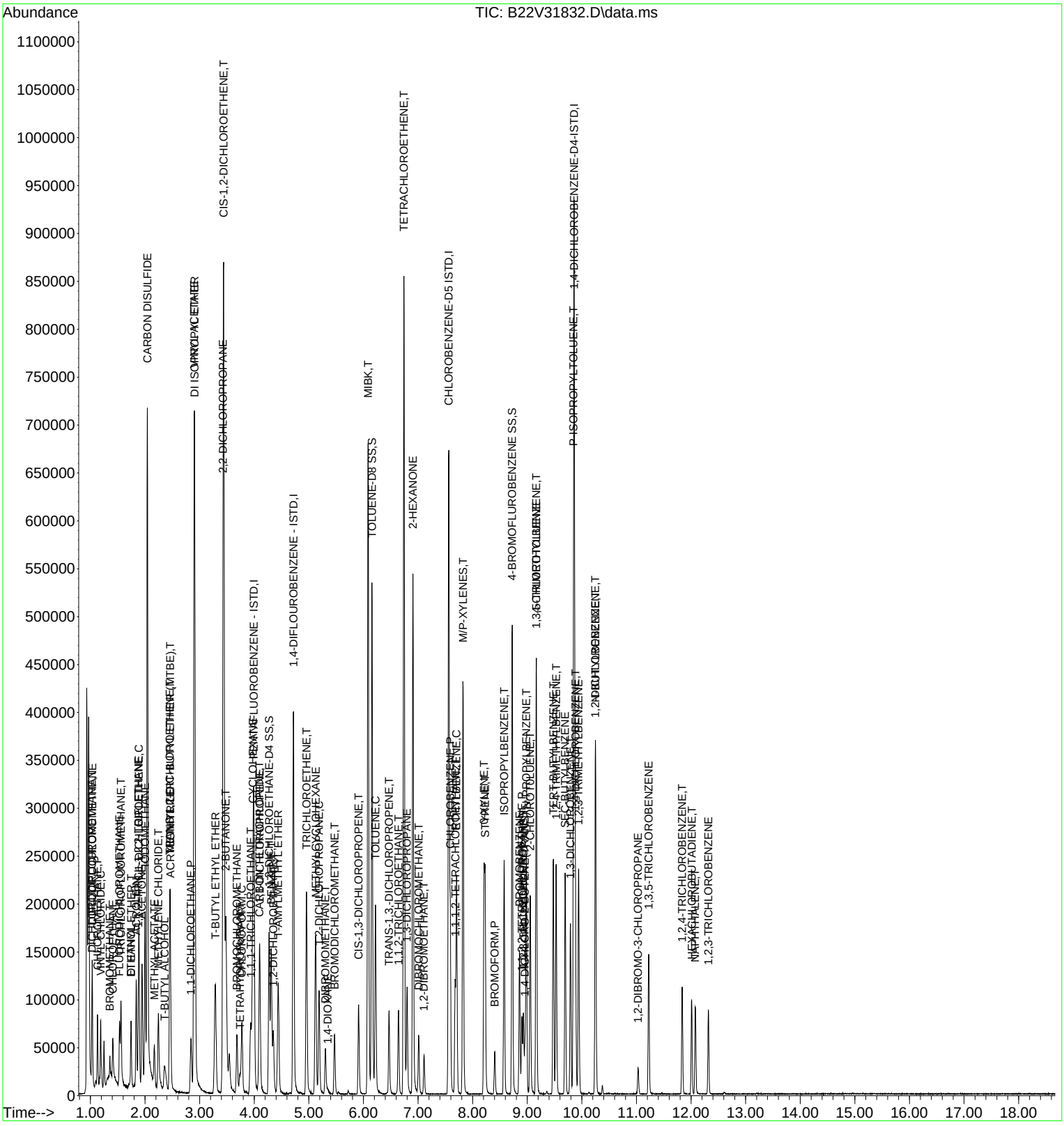
| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 51) 1,4-DIOXANE | 5.346 | 88 | 3037 | 83.07 | UG/L | # | 81 |
| 52) BROMODICHLOROMETHANE | 5.471 | 83 | 30677 | 9.05 | UG/L | | 97 |
| 54) MIBK | 6.085 | 43 | 473113 | 100.51 | UG/L | # | 94 |
| 55) CIS-1,3-DICHLOROPROPENE | 5.911 | 75 | 34402 | 8.71 | UG/L | # | 83 |
| 56) TOLUENE | 6.221 | 91 | 105706 | 10.27 | UG/L | | 98 |
| 57) TRANS-1,3,-DICHLOROPRO... | 6.468 | 75 | 29772 | 8.67 | UG/L | # | 83 |
| 59) 1,1,2-TRICHLOROETHANE | 6.642 | 97 | 21327 | 10.20 | UG/L | | 95 |
| 60) 2-HEXANONE | 6.906 | 43 | 350972 | 99.83 | UG/L | # | 95 |
| 61) TETRACHLOROETHENE | 6.741 | 164 | 170086 | 74.51 | UG/L | | 96 |
| 62) 1,3-DICHLOROPROPANE | 6.798 | 76 | 37098 | 9.98 | UG/L | # | 78 |
| 63) DIBROMOCHLOROMETHANE | 7.011 | 129 | 25066 | 9.07 | UG/L | | 99 |
| 64) 1,2-DIBROMOETHANE | 7.108 | 107 | 23412 | 9.96 | UG/L | # | 97 |
| 67) CHLOROBENZENE | 7.588 | 112 | 73856 | 10.00 | UG/L | | 98 |
| 68) 1,1,1,2-TETRACHLOROETHANE | 7.682 | 131 | 26519 | 9.25 | UG/L | | 98 |
| 69) ETHYLBENZENE | 7.705 | 91 | 125752 | 9.98 | UG/L | | 99 |
| 70) M/P-XYLENES | 7.824 | 91 | 201550 | 20.12 | UG/L | | 98 |
| 71) 0-XYLENE | 8.208 | 91 | 101448 | 9.87 | UG/L | | 97 |
| 72) STYRENE | 8.231 | 104 | 79008 | 9.41 | UG/L | # | 89 |
| 73) BROMOFORM | 8.404 | 173 | 18713 | 8.28 | UG/L | # | 97 |
| 74) ISOPROPYLBENZENE | 8.577 | 105 | 127986 | 9.49 | UG/L | | 100 |
| 76) 1,1,2,2-TETRACHLOROETHANE | 8.901 | 83 | 31300 | 9.03 | UG/L | | 98 |
| 77) 1,4-DICHLORO-2-BUTENE(... | 8.955 | 53 | 13367 | 6.46 | UG/L | | 91 |
| 78) BROMOBENZENE | 8.859 | 77 | 46758 | 9.32 | UG/L | | 91 |
| 79) 1,2,3-TRICHLOROPROPANE | 8.930 | 110 | 9559 | 9.13 | UG/L | | 87 |
| 80) N-PROPYLBENZENE | 8.984 | 91 | 155659 | 9.68 | UG/L | | 98 |
| 81) 2-CHLOROT0LUENE | 9.055 | 91 | 90406 | 9.83 | UG/L | | 97 |
| 82) 1,3,5-TRIMETHYLBENZENE | 9.163 | 105 | 111583 | 9.70 | UG/L | | 98 |
| 83) 4-CHLOROTOLUENE | 9.166 | 91 | 105295 | 9.87 | UG/L | | 96 |
| 85) TERT-BUTYLBENZENE | 9.478 | 119 | 95588 | 8.89 | UG/L | | 95 |
| 86) 1,2,4-TRIMETHYLBENZENE | 9.529 | 105 | 110018 | 8.88 | UG/L | | 98 |
| 87) SEC-BUTYLBENZENE | 9.694 | 105 | 132748 | 8.58 | UG/L | | 100 |
| 88) 1,3-DICHLOROBENZENE | 9.791 | 146 | 62514 | 8.53 | UG/L | | 98 |
| 89) P-ISOPROPYLTOLUENE | 9.848 | 119 | 117509 | 8.67 | UG/L | | 96 |
| 90) 1,4-DICHLOROBENZENE | 9.882 | 146 | 65185 | 8.79 | UG/L | | 96 |
| 91) 1,2,3-TRIMETHYLBENZENE | 9.939 | 105 | 112756 | 8.28 | UG/L | # | 100 |
| 92) N-BUTYLBENZENE | 10.251 | 91 | 102710 | 8.43 | UG/L | | 99 |
| 93) 1,2-DICHLOROBENZENE | 10.245 | 146 | 57044 | 8.63 | UG/L | | 97 |
| 94) 1,2-DIBROMO-3-CHLOROPR... | 11.030 | 75 | 4739 | 6.37 | UG/L | | 88 |
| 95) 1,3,5-TRICHLOROBENZENE | 11.226 | 180 | 42636 | 8.16 | UG/L | | 94 |
| 96) 1,2,4-TRICHLOROBENZENE | 11.837 | 180 | 31835 | 8.02 | UG/L | | 97 |
| 97) HEXACHLOROBUTADIENE | 12.013 | 225 | 17181 | 8.52 | UG/L | | 96 |
| 98) NAPHTHALENE | 12.076 | 128 | 61838 | 6.93 | UG/L | | 100 |
| 99) 1,2,3-TRICHLOROBENZENE | 12.317 | 180 | 24949 | 7.68 | UG/L | | 93 |

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

Data Path : \\Voa2\MSDChem\1\DATA\B111422\
Data File : B22V31832.D
Acq On : 14 Nov 2022 7:55 pm
Operator :
Sample : 22K1604-01MSD1 @ 4X Inst : GCMSVOA2
Misc : 4
ALS Vial : 32 Sample Multiplier: 1



Quant Time: Nov 14 20:14:20 2022
Quant Method : C:\MSDCHEM\1\METHODS\B092322W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Mon Oct 03 14:02:43 2022
Response via : Initial Calibration



## VOC DEPARTMENT | PREPARATION BENCH SHEET

B322925

**CON-TEST ANALYTICAL LABORATORY**

**Printed: 11/15/2022 11:47:45AM**

**Matrix: Water** **Prepared using: VOC - SW-846 5030B** **Surrogate used: 2208422**

| 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 22K1604-01 | MW-25S | | 8260 ASP DEC TCL | 11/28/22 15:30 | 10 | 5 | 5 | | | | LOG-IN | MS/MSD |
| 22K1604-02 | MW-26S | | 8260 ASP DEC TCL | 11/28/22 15:30 | 10 | 5 | 5 | | | | LOG-IN | |
| 22K1604-03 | MW-27S | | 8260 ASP DEC TCL | 11/28/22 15:30 | 10 | 5 | 5 | | | | LOG-IN | |
| 22K1604-04 | MW-23D | | 8260 ASP DEC TCL | 11/28/22 15:30 | 10 | 5 | 5 | | | | LOG-IN | |
| 22K1604-05 | DUP | | 8260 ASP DEC TCL | 11/28/22 15:30 | 10 | 5 | 5 | | | | LOG-IN | |
| 22K1604-06 | Trip Blank | | 8260 ASP DEC TCL | 11/28/22 15:30 | 10 | 5 | 5 | | | | LOG-IN | |
| 22K1652-06 | 152098-TB-11922 | | 8260 ASP DEC TCL | 11/28/22 15:30 | 10 | 5 | 5 | | | | Refrigerator 26-D4 | Cat B Report to MDL |
| 22K1659-06 | 152098-TB-11/8/22 | | 8260 ASP DEC TCL | 11/28/22 15:30 | 10 | 5 | 5 | | | | Refrigerator 26-D4 | Cat B Report to MDL |
| 22K1697-04 | 152098-TB-11722 | | 8260 ASP DEC TCL | 11/28/22 15:30 | 10 | 5 | 5 | | | | Refrigerator 26-E1 | Cat B Report to MDL |
| 22K1841-04 | 152098-TB-111022 | | 8260 ASP DEC TCL | 11/29/22 15:30 | 10 | 5 | 5 | | | | Refrigerator 26-E2 | Cat B Report to MDL |
| 22K1841-05 | 152098-RB-111022 | | 8260 ASP DEC TCL | 11/29/22 15:30 | 10 | 5 | 5 | | | | Refrigerator 26-E2 | Cat B Report to MDL |
| B322925-BLK1 | Blank | | QC | | | 5 | 5 | | | | | |
| B322925-BS1 | LCS | | QC | | | 5 | 5 | 2211275 | | 5 | | |
| B322925-BSD1 | LCS Dup | | QC | | | 5 | 5 | 2211275 | | 5 | | |
| B322925-MS1 | Matrix Spike | | QC | | | 5 | 5 | 2211275 | 22K1604-01 | 20 | | |
| B322925-MSD1 | Matrix Spike Dup | | QC | | | 5 | 5 | 2211275 | 22K1604-01 | 20 | | |

**11/14/22#2 1ST**

249

Spiking Witnessed By Date

Preparation Reviewed By Date

Extracts Received By Date

\\Voa2\MSDChem\1\DATA\B111422\

| Date | Filename | Lab ID | Sample Info |
|---|---|---|---|
| 14 Nov 2022 6:15 am | B22V31801.D | BLK | |
| 14 Nov 2022 6:51 am | B22V31802.D | 22K1870-04 @ 100X | |
| 14 Nov 2022 7:17 am | B22V31803.D | 22K1845-03 @ 100X | |
| 14 Nov 2022 7:43 am | B22V31804.D | 22K1845-04 @ 100X | |
| 14 Nov 2022 8:09 am | B22V31805.D | 22K1845-05 @ 100X | |
| 14 Nov 2022 8:35 am | B22V31806.D | BFB/8260 STD 10PPB 2211048 | |
| 14 Nov 2022 9:02 am | B22V31807.D | B0-BS1 @ (RCP) | |
| 14 Nov 2022 9:28 am | B22V31808.D | B0-BSD1 @ (RCP) | |
| 14 Nov 2022 9:54 am | B22V31809.D | BLK | |
| 14 Nov 2022 10:20 am | B22V31810.D | B0-BLK1 | |
| 14 Nov 2022 10:46 am | B22V31811.D | 22K1604-06 | |
| 14 Nov 2022 11:12 am | B22V31812.D | 22K1652-06 | |
| 14 Nov 2022 11:38 am | B22V31813.D | 22K1659-06 | |
| 14 Nov 2022 12:04 pm | B22V31814.D | 22K1697-04 | |
| 14 Nov 2022 12:31 pm | B22V31815.D | 22K1841-04 | |
| 14 Nov 2022 12:57 pm | B22V31816.D | 22K1841-05 | |
| 14 Nov 2022 1:23 pm | B22V31817.D | 22K1604-03 | |
| 14 Nov 2022 1:49 pm | B22V31818.D | 22K1786-02 | |
| 14 Nov 2022 2:15 pm | B22V31819.D | 22K1786-05 | |
| 14 Nov 2022 2:42 pm | B22V31820.D | 22K1786-06 | |
| 14 Nov 2022 3:08 pm | B22V31821.D | 22K1786-07 | |
| 14 Nov 2022 3:34 pm | B22V31822.D | 22K1604-01 @ 4X | 4 |
| 14 Nov 2022 4:00 pm | B22V31823.D | 22K1604-02 @ 10X | 10 |
| 14 Nov 2022 4:26 pm | B22V31824.D | 22K1604-04 @ 5X | 5 |
| 14 Nov 2022 4:52 pm | B22V31825.D | 22K1604-05 @ 10X | 10 |
| 14 Nov 2022 5:18 pm | B22V31826.D | BLK | |
| 14 Nov 2022 5:44 pm | B22V31827.D | 22K1786-03 | |
| 14 Nov 2022 6:10 pm | B22V31828.D | 22K1785-01 @ 4X | 4 |
| 14 Nov 2022 6:37 pm | B22V31829.D | 22K1786-01 @ 4X | 4 |
| 14 Nov 2022 7:03 pm | B22V31830.D | 22K1786-04 @ 5X | 5 |
| 14 Nov 2022 7:29 pm | B22V31831.D | 22K1604-01MS1 @ 4X | 4 |
| 14 Nov 2022 7:55 pm | B22V31832.D | 22K1604-01MSD1 @ 4X | 4 |
| 14 Nov 2022 8:21 pm | B22V31833.D | CLEAN UP | |
| 14 Nov 2022 8:47 pm | B22V31834.D | BFB | |
| 14 Nov 2022 9:14 pm | B22V31835.D | 8260STD 10PPB 2211086 | |
| 14 Nov 2022 9:40 pm | B22V31836.D | B0-BS1 @ (RCP) | |
| 14 Nov 2022 10:06 pm | B22V31837.D | B0-BSD1 @ (RCP) | |
| 14 Nov 2022 10:32 pm | B22V31838.D | BLK | |
| 14 Nov 2022 10:58 pm | B22V31839.D | B0-BLK1 | |
| 14 Nov 2022 11:24 pm | B22V31840.D | 22K1661-13 | |
| 14 Nov 2022 11:51 pm | B22V31841.D | 22K1661-02 | |
| 15 Nov 2022 12:17 am | B22V31842.D | 22K1661-05 | |
| 15 Nov 2022 12:43 am | B22V31843.D | 22K1661-07 | |
| 15 Nov 2022 1:09 am | B22V31844.D | 22K1661-09 | |
| 15 Nov 2022 1:35 am | B22V31845.D | 22K1718-01 | |
| 15 Nov 2022 2:01 am | B22V31846.D | 22K1718-02 @ 2X M | 2 |
| 15 Nov 2022 2:27 am | B22V31847.D | 22K1718-03 | |
| 15 Nov 2022 2:54 am | B22V31848.D | 22K1661-15 @ 2X M | 2 |
| 15 Nov 2022 3:20 am | B22V31849.D | 22K1661-14 | |
| 15 Nov 2022 3:46 am | B22V31850.D | 22K1661-01 @ 2X | 2 |
| 15 Nov 2022 4:12 am | B22V31851.D | 22K1661-03 @ 4X | 4 |
| 15 Nov 2022 4:38 am | B22V31852.D | 22K1661-04 @ 5X | 5 |
| 15 Nov 2022 5:04 am | B22V31853.D | 22K1661-06 @ 5X | 5 |
| 15 Nov 2022 5:31 am | B22V31854.D | CHECK1661-08 @ 10X | 10 |
| 15 Nov 2022 5:57 am | B22V31855.D | 22K1661-10 @ 10X | 10 |
| 15 Nov 2022 6:23 am | B22V31856.D | 22K1661-11 @ 20X | 20 |
| 15 Nov 2022 6:49 am | B22V31857.D | 22K1661-12 @ 20X | 20 |
| 15 Nov 2022 7:15 am | B22V31858.D | 22K1661-08 | |
| 15 Nov 2022 7:42 am | B22V31859.D | 22K1718-04 @ 5X | 5 |
| 15 Nov 2022 8:08 am | B22V31860.D | 22K1718-05 @ 5X | 5 |
| 15 Nov 2022 8:34 am | B22V31861.D | 22K1718-06 @ 5X | 5 |

pH<2

# WELL PURGING RECORD
# LOW-FLOW SAMPLING METHOD

| | | | |
|---|---|---|---|
| **Site:** | NYSDEC Franklin Street | **Tubing Diameter (ID):** | 1/4x3/8 |
| **Project #:** | 0901718 | **Initial Depth to Water (ft, TOC)** | 12.70 |
| **Date:** | 11/9/2022 | **Depth to Bottom of Well (ft, TOC)** | 18.40 |
| **Sampling Device:** | Peri-Pump | **Feet of Water in Well (ft)** | 5.70 |
| **Well ID:** | MW-25S | **Volume of Water in Well (gal)** | 3 Gal |

**Meter(s):** YSI Pro DSS

| Time | Depth to Water (ft, TOC) | Temperature (ºC) | pH | Specific Conductance (mS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) |
|---|---|---|---|---|---|---|---|
| 0943 | 12.72 | 18.1 | 6.89 | 2.941 | 170.9 | 0.58 | 13.30 |
| 0946 | 12.72 | 18.2 | 6.90 | 2.955 | 161.1 | 0.50 | 3.51 |
| 0949 | 12.72 | 18.3 | 6.91 | 2.953 | 152.0 | 0.49 | 2.85 |
| 0951 | 12.72 | 18.3 | 6.92 | 2.949 | 147.0 | 0.43 | 2.15 |
| 0954 | 12.72 | 18.3 | 6.93 | 2.940 | 141.5 | 0.38 | 1.77 |
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| | | ±3% | ±0.1 | ±3% | ±10mV | ±10% or <0.5mg/L | ±10% or <5NTU |

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|---|---|---|---|---|
| Purge Start Time: | 0935 | Notes: | Sample Time | gal purged |
| Purge End Time: | 0955 | | 10:00 | 1.5 Gal |
| Weather: | Sunny 44 | | Purge Rate: 250 mL/min | |
| Purge/Sampled by: | JP | | MS/MSD collected | |

# WELL PURGING RECORD
# LOW-FLOW SAMPLING METHOD

| | | | |
|---|---|---|---|
| **Site:** | NYSDEC Franklin Street | **Tubing Diameter (ID):** | 1/4x3/8 |
| **Project #:** | 0901718 | **Initial Depth to Water (ft, TOC)** | 13.08 |
| **Date:** | 11/9/2022 | **Depth to Bottom of Well (ft, TOC)** | 18.25 |
| **Sampling Device:** | Peri-Pump | **Feet of Water in Well (ft)** | 5.17 |
| **Well ID:** | MW-26S | **Volume of Water in Well (gal)** | 2.5 Gal |

**Meter(s):** YSI Pro DSS

| Time | Depth to Water (ft, TOC) | Temperature (ºC) | pH | Specific Conductance (mS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) |
|---|---|---|---|---|---|---|---|
| 1120 | 13.17 | 16.7 | 7.15 | 2.899 | 110.7 | 1.59 | -0.42 |
| 1123 | 13.18 | 16.8 | 7.17 | 2.925 | 109.3 | 1.42 | -1.65 |
| 1126 | 13.18 | 16.9 | 7.18 | 2.941 | 107.8 | 1.33 | 0.08 |
| 1129 | 13.18 | 16.9 | 7.18 | 2.938 | 106.9 | 1.14 | -0.01 |
| 1131 | 13.18 | 16.9 | 7.19 | 2.946 | 106.1 | 1.20 | -0.06 |
| 1133 | 13.18 | 16.9 | 7.19 | 2.950 | 105.6 | 1.16 | 0.12 |
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| | | ±3% | ±0.1 | ±3% | ±10mV | ±10% or <0.5mg/L | ±10% or <5NTU |

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|---|---|---|---|---|
| Purge Start Time: | 1115 | Notes: | Sample Time | gal purged |
| Purge End Time: | 1135 | | 11:35 | 1.5 Gal |
| Weather: | Sunny 46 | | Purge rate 250 mL/min, purge water clear | |
| Purge/Sampled by: | JP | | DUP Collected | |

# WELL PURGING RECORD
# LOW-FLOW SAMPLING METHOD

| | | | |
|---|---|---|---|
| **Site:** | NYSDEC Franklin Street | **Tubing Diameter (ID):** | 1/4x3/8 |
| **Project #:** | 0901718 | **Initial Depth to Water (ft, TOC)** | 13.72 |
| **Date:** | 11/9/2022 | **Depth to Bottom of Well (ft, TOC)** | 18.36 |
| **Sampling Device:** | Peri-Pump | **Feet of Water in Well (ft)** | 4.64 |
| **Well ID:** | MW-27S | **Volume of Water in Well (gal)** | 2.2 Gal |

**Meter(s):** YSI Pro DSS

| Time | Depth to Water (ft, TOC) | Temperature (ºC) | pH | Specific Conductance (mS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) |
|---|---|---|---|---|---|---|---|
| 1245 | 13.74 | 16.4 | 6.92 | 3.103 | 118.3 | 3.83 | 10.15 |
| 1248 | 13.74 | 16.5 | 6.95 | 3.126 | 116.7 | 3.75 | 28.52 |
| 1251 | 13.74 | 16.5 | 6.96 | 3.158 | 116.2 | 3.79 | 55.43 |
| 1254 | 13.74 | 16.5 | 6.96 | 3.174 | 116.0 | 3.82 | 1.08 |
| 1257 | 13.74 | 16.5 | 6.97 | 3.182 | 115.8 | 3.81 | -0.79 |
| 1300 | 13.74 | 16.5 | 6.97 | 3.202 | 115.9 | 3.86 | 2.38 |
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| | | ±3% | ±0.1 | ±3% | ±10mV | ±10% or <0.5mg/L | ±10% or <5NTU |

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|---|---|---|---|---|
| Purge Start Time: | 1240 | Notes: | Sample Time | gal purged |
| Purge End Time: | 1300 | | 1300 | 1 Gal |
| Weather: | Sunny 48 | | Purge Rate 250 mL/min, purge water clear | |
| Purge/Sampled by: | JP | | | |

# WELL PURGING RECORD
# LOW-FLOW SAMPLING METHOD

| | | | |
|---|---|---|---|
| **Site:** | NYSDEC Franklin Street | **Tubing Diameter (ID):** | 1/4x3/8 |
| **Project #:** | 0901718 | **Initial Depth to Water (ft, TOC)** | 11.56 |
| **Date:** | 11/9/2022 | **Depth to Bottom of Well (ft, TOC)** | 18.51 |
| **Sampling Device:** | Peri-Pump | **Feet of Water in Well (ft)** | 6.95 |
| **Well ID:** | MW-23D | **Volume of Water in Well (gal)** | 3.3 Gal |

| | **Meter(s):** YSI Pro DSS | | | | | | |
|---|---|---|---|---|---|---|---|
| **Time** | **Depth to Water (ft, TOC)** | **Temperature (ºC)** | **pH** | **Specific Conductance (mS/cm)** | **ORP (mV)** | **DO (mg/L)** | **Turbidity (NTU)** |
| 1430 | 11.61 | 17.7 | 7.01 | 3.000 | 129.4 | 2.03 | 31.33 |
| 1433 | 11.62 | 17.9 | 7.15 | 3.012 | 125.6 | 2.08 | 55.31 |
| 1436 | 11.62 | 17.9 | 7.26 | 3.052 | 122.2 | 2.16 | 23.46 |
| 1439 | 11.62 | 18.0 | 7.27 | 3.085 | 120.9 | 2.15 | 66.23 |
| 1442 | 11.62 | 18.0 | 7.25 | 3.107 | 120.2 | 2.12 | 66.77 |
| 1445 | 11.62 | 18.1 | 7.23 | 3.153 | 119.3 | 2.05 | 70.02 |
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| | | ±3% | ±0.1 | ±3% | ±10mV | ±10% or <0.5mg/L | ±10% or <5NTU |

| | | | | |
|---|---|---|---|---|
| Purge Start Time: | 1425 | Notes: | Sample Time | gal purged |
| Purge End Time: | 1445 | | 1445 | 1.5 Gal |
| Weather: | Sunny 49 | | Purge Rate 240 mL/Min | |
| Purge/Sampled by: | JP | | Purge water cloudy grey, no sheen | |

# Data Package


ANALYTICAL. LIFE. SERVICE.

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

April 27, 2023

Thomas Palmer
NYDEC_GES - Amherst, NY
6010 North Bailey Ave., Suite 1
Amherst, NY 14226

Project Location: 275 Franklin St, Buffalo, NY
Client Job Number:
Project Number: C915208A
Laboratory Work Order Number: 23D0848

Enclosed are results of analyses for samples as received by the laboratory on April 7, 2023. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kyle A. Murray
Project Manager

# Table of Contents

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

NYDEC_GES - Amherst, NY
6010 North Bailey Ave., Suite 1
Amherst, NY 14226
ATTN: Thomas Palmer

REPORT DATE: 4/27/2023

PURCHASE ORDER NUMBER: 144192

PROJECT NUMBER: C915208A

**ANALYTICAL SUMMARY**

WORK ORDER NUMBER: 23D0848

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

PROJECT LOCATION: 275 Franklin St, Buffalo, NY

| FIELD SAMPLE # | LAB ID: | MATRIX | SAMPLE DESCRIPTION | TEST | SUB LAB |
|---|---|---|---|---|---|
| MW-27S | 23D0848-01 | Ground Water | | SW-846 8260D | |
| DUP-1 | 23D0848-02 | Ground Water | | SW-846 8260D | |
| MW-26S | 23D0848-03 | Ground Water | | SW-846 8260D | |
| MW-25S | 23D0848-04 | Ground Water | | SW-846 8260D | |
| MW-23D | 23D0848-05 | Ground Water | | SW-846 8260D | |
| Trip Blank | 23D0848-06 | 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.

REVISED 4-27-23: Project location updated per client request.

**SW-846 8260D**

**Qualifications:**

**RL-11**

Elevated reporting limit due to high concentration of target compounds.

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

23D0848-03[MW-26S], 23D0848-04[MW-25S]

**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:**

**Methyl Acetate**

23D0848-02[DUP-1], 23D0848-03[MW-26S], 23D0848-04[MW-25S], 23D0848-05[MW-23D], 23D0848-06[ Trip Blank], B337043-BLK1, B337043-BS1, B337043-BSD1, S085958-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

con-test® A Pace Analytical® Laboratory
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 275 Franklin St, Buffalo, NY | Sample Description: | Work Order: 23D0848

Date Received: 4/7/2023

**Field Sample #: MW-27S** | Sampled: 4/6/2023 09:35

**Sample ID: 23D0848-01**

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 | ND | 50 | 2.0 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/16/23 4:54 | MFF |
| Benzene | ND | 1.0 | 0.18 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/16/23 4:54 | MFF |
| Bromochloromethane | ND | 1.0 | 0.28 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/16/23 4:54 | MFF |
| Bromodichloromethane | ND | 0.50 | 0.16 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/16/23 4:54 | MFF |
| Bromoform | ND | 1.0 | 0.41 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/16/23 4:54 | MFF |
| Bromomethane | ND | 2.0 | 1.3 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/16/23 4:54 | MFF |
| 2-Butanone (MEK) | ND | 20 | 1.7 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/16/23 4:54 | MFF |
| Carbon Disulfide | ND | 5.0 | 1.6 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/16/23 4:54 | MFF |
| Carbon Tetrachloride | ND | 5.0 | 0.16 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/16/23 4:54 | MFF |
| Chlorobenzene | ND | 1.0 | 0.12 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/16/23 4:54 | MFF |
| Chlorodibromomethane | ND | 0.50 | 0.20 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/16/23 4:54 | MFF |
| Chloroethane | ND | 2.0 | 0.34 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/16/23 4:54 | MFF |
| Chloroform | 2.4 | 2.0 | 0.14 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/16/23 4:54 | MFF |
| Chloromethane | ND | 2.0 | 0.50 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/16/23 4:54 | MFF |
| Cyclohexane | ND | 5.0 | 1.8 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/16/23 4:54 | MFF |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND | 5.0 | 0.85 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/16/23 4:54 | MFF |
| 1,2-Dibromoethane (EDB) | ND | 0.50 | 0.16 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/16/23 4:54 | MFF |
| 1,2-Dichlorobenzene | ND | 1.0 | 0.13 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/16/23 4:54 | MFF |
| 1,3-Dichlorobenzene | ND | 1.0 | 0.14 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/16/23 4:54 | MFF |
| 1,4-Dichlorobenzene | ND | 1.0 | 0.13 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/16/23 4:54 | MFF |
| Dichlorodifluoromethane (Freon 12) | ND | 2.0 | 0.16 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/16/23 4:54 | MFF |
| 1,1-Dichloroethane | ND | 1.0 | 0.14 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/16/23 4:54 | MFF |
| 1,2-Dichloroethane | ND | 1.0 | 0.30 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/16/23 4:54 | MFF |
| 1,1-Dichloroethylene | ND | 1.0 | 0.14 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/16/23 4:54 | MFF |
| cis-1,2-Dichloroethylene | ND | 1.0 | 0.14 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/16/23 4:54 | MFF |
| trans-1,2-Dichloroethylene | ND | 1.0 | 0.17 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/16/23 4:54 | MFF |
| 1,2-Dichloropropane | ND | 1.0 | 0.19 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/16/23 4:54 | MFF |
| cis-1,3-Dichloropropene | ND | 0.50 | 0.16 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/16/23 4:54 | MFF |
| trans-1,3-Dichloropropene | ND | 0.50 | 0.14 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/16/23 4:54 | MFF |
| 1,4-Dioxane | ND | 50 | 18 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/16/23 4:54 | MFF |
| Ethylbenzene | ND | 1.0 | 0.22 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/16/23 4:54 | MFF |
| 2-Hexanone (MBK) | ND | 10 | 1.2 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/16/23 4:54 | MFF |
| Isopropylbenzene (Cumene) | ND | 1.0 | 0.15 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/16/23 4:54 | MFF |
| Methyl Acetate | ND | 1.0 | 0.61 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/16/23 4:54 | MFF |
| Methyl tert-Butyl Ether (MTBE) | ND | 1.0 | 0.17 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/16/23 4:54 | MFF |
| Methyl Cyclohexane | ND | 1.0 | 0.16 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/16/23 4:54 | MFF |
| Methylene Chloride | ND | 5.0 | 0.18 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/16/23 4:54 | MFF |
| 4-Methyl-2-pentanone (MIBK) | ND | 10 | 1.3 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/16/23 4:54 | MFF |
| Styrene | ND | 1.0 | 0.15 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/16/23 4:54 | MFF |
| 1,1,2,2-Tetrachloroethane | ND | 0.50 | 0.14 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/16/23 4:54 | MFF |
| Tetrachloroethylene | 4.1 | 1.0 | 0.17 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/16/23 4:54 | MFF |
| Toluene | ND | 1.0 | 0.22 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/16/23 4:54 | MFF |
| 1,2,3-Trichlorobenzene | ND | 5.0 | 0.34 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/16/23 4:54 | MFF |
| 1,2,4-Trichlorobenzene | ND | 1.0 | 0.30 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/16/23 4:54 | MFF |

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

Project Location: 275 Franklin St, Buffalo, NY | Sample Description: | Work Order: 23D0848

Date Received: 4/7/2023

**Field Sample #: MW-27S** | Sampled: 4/6/2023 09:35

**Sample ID: 23D0848-01**

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 |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | ND | 1.0 | 0.15 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/16/23 4:54 | MFF |
| 1,1,2-Trichloroethane | ND | 1.0 | 0.19 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/16/23 4:54 | MFF |
| Trichloroethylene | ND | 1.0 | 0.17 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/16/23 4:54 | MFF |
| Trichlorofluoromethane (Freon 11) | ND | 2.0 | 0.15 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/16/23 4:54 | MFF |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND | 1.0 | 0.21 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/16/23 4:54 | MFF |
| Vinyl Chloride | ND | 2.0 | 0.24 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/16/23 4:54 | MFF |
| Xylenes (total) | ND | 1.0 | 1.0 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/16/23 4:54 | MFF |

| Surrogates | % Recovery | Recovery Limits | Flag/Qual | |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 103 | 70-130 | | 4/16/23 4:54 |
| Toluene-d8 | 98.4 | 70-130 | | 4/16/23 4:54 |
| 4-Bromofluorobenzene | 92.6 | 70-130 | | 4/16/23 4:54 |

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

Project Location: 275 Franklin St, Buffalo, NY | Sample Description: | Work Order: 23D0848

Date Received: 4/7/2023

**Field Sample #: DUP-1** | Sampled: 4/6/2023 09:35

**Sample ID: 23D0848-02**

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 | 4/13/23 | 4/13/23 19:59 | MFF |
| Benzene | ND | 1.0 | 0.18 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 19:59 | MFF |
| Bromochloromethane | ND | 1.0 | 0.28 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 19:59 | MFF |
| Bromodichloromethane | ND | 0.50 | 0.16 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 19:59 | MFF |
| Bromoform | ND | 1.0 | 0.41 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 19:59 | MFF |
| Bromomethane | ND | 2.0 | 1.3 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 19:59 | MFF |
| 2-Butanone (MEK) | ND | 20 | 1.7 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 19:59 | MFF |
| Carbon Disulfide | ND | 5.0 | 1.6 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 19:59 | MFF |
| Carbon Tetrachloride | ND | 5.0 | 0.16 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 19:59 | MFF |
| Chlorobenzene | ND | 1.0 | 0.12 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 19:59 | MFF |
| Chlorodibromomethane | ND | 0.50 | 0.20 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 19:59 | MFF |
| Chloroethane | ND | 2.0 | 0.34 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 19:59 | MFF |
| Chloroform | 2.6 | 2.0 | 0.14 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 19:59 | MFF |
| Chloromethane | ND | 2.0 | 0.50 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 19:59 | MFF |
| Cyclohexane | ND | 5.0 | 1.8 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 19:59 | MFF |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND | 5.0 | 0.85 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 19:59 | MFF |
| 1,2-Dibromoethane (EDB) | ND | 0.50 | 0.16 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 19:59 | MFF |
| 1,2-Dichlorobenzene | ND | 1.0 | 0.13 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 19:59 | MFF |
| 1,3-Dichlorobenzene | ND | 1.0 | 0.14 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 19:59 | MFF |
| 1,4-Dichlorobenzene | ND | 1.0 | 0.13 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 19:59 | MFF |
| Dichlorodifluoromethane (Freon 12) | ND | 2.0 | 0.16 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 19:59 | MFF |
| 1,1-Dichloroethane | ND | 1.0 | 0.14 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 19:59 | MFF |
| 1,2-Dichloroethane | ND | 1.0 | 0.30 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 19:59 | MFF |
| 1,1-Dichloroethylene | ND | 1.0 | 0.14 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 19:59 | MFF |
| cis-1,2-Dichloroethylene | ND | 1.0 | 0.14 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 19:59 | MFF |
| trans-1,2-Dichloroethylene | ND | 1.0 | 0.17 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 19:59 | MFF |
| 1,2-Dichloropropane | ND | 1.0 | 0.19 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 19:59 | MFF |
| cis-1,3-Dichloropropene | ND | 0.50 | 0.16 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 19:59 | MFF |
| trans-1,3-Dichloropropene | ND | 0.50 | 0.14 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 19:59 | MFF |
| 1,4-Dioxane | ND | 50 | 18 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 19:59 | MFF |
| Ethylbenzene | ND | 1.0 | 0.22 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 19:59 | MFF |
| 2-Hexanone (MBK) | ND | 10 | 1.2 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 19:59 | MFF |
| Isopropylbenzene (Cumene) | ND | 1.0 | 0.15 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 19:59 | MFF |
| Methyl Acetate | ND | 1.0 | 0.61 | µg/L | 1 | V-05 | SW-846 8260D | 4/13/23 | 4/13/23 19:59 | MFF |
| Methyl tert-Butyl Ether (MTBE) | ND | 1.0 | 0.17 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 19:59 | MFF |
| Methyl Cyclohexane | ND | 1.0 | 0.16 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 19:59 | MFF |
| Methylene Chloride | ND | 5.0 | 0.18 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 19:59 | MFF |
| 4-Methyl-2-pentanone (MIBK) | ND | 10 | 1.3 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 19:59 | MFF |
| Styrene | ND | 1.0 | 0.15 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 19:59 | MFF |
| 1,1,2,2-Tetrachloroethane | ND | 0.50 | 0.14 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 19:59 | MFF |
| Tetrachloroethylene | 4.6 | 1.0 | 0.17 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 19:59 | MFF |
| Toluene | ND | 1.0 | 0.22 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 19:59 | MFF |
| 1,2,3-Trichlorobenzene | ND | 5.0 | 0.34 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 19:59 | MFF |
| 1,2,4-Trichlorobenzene | ND | 1.0 | 0.30 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 19:59 | MFF |

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

Project Location: 275 Franklin St, Buffalo, NY | Sample Description: | Work Order: 23D0848

Date Received: 4/7/2023

**Field Sample #: DUP-1** | Sampled: 4/6/2023 09:35

**Sample ID: 23D0848-02**

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 |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | ND | 1.0 | 0.15 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 19:59 | MFF |
| 1,1,2-Trichloroethane | ND | 1.0 | 0.19 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 19:59 | MFF |
| Trichloroethylene | ND | 1.0 | 0.17 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 19:59 | MFF |
| Trichlorofluoromethane (Freon 11) | ND | 2.0 | 0.15 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 19:59 | MFF |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND | 1.0 | 0.21 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 19:59 | MFF |
| Vinyl Chloride | ND | 2.0 | 0.24 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 19:59 | MFF |
| Xylenes (total) | ND | 1.0 | 1.0 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 19:59 | MFF |

| Surrogates | % Recovery | Recovery Limits | Flag/Qual | |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 104 | 70-130 | | 4/13/23 19:59 |
| Toluene-d8 | 103 | 70-130 | | 4/13/23 19:59 |
| 4-Bromofluorobenzene | 94.4 | 70-130 | | 4/13/23 19:59 |

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

Project Location: 275 Franklin St, Buffalo, NY | Sample Description: | Work Order: 23D0848

Date Received: 4/7/2023

**Field Sample #: MW-26S** | Sampled: 4/6/2023 11:05

**Sample ID: 23D0848-03**

Sample Matrix: Ground Water

Sample Flags: RL-11

**Volatile Organic Compounds by GC/MS**

| Analyte | Results | RL | DL | Units | Dilution | Flag/Qual | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | 200 | 8.0 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 20:52 | MFF |
| Benzene | ND | 4.0 | 0.74 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 20:52 | MFF |
| Bromochloromethane | ND | 4.0 | 1.1 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 20:52 | MFF |
| Bromodichloromethane | ND | 2.0 | 0.63 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 20:52 | MFF |
| Bromoform | ND | 4.0 | 1.6 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 20:52 | MFF |
| Bromomethane | ND | 8.0 | 5.3 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 20:52 | MFF |
| 2-Butanone (MEK) | ND | 80 | 6.7 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 20:52 | MFF |
| Carbon Disulfide | ND | 20 | 6.2 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 20:52 | MFF |
| Carbon Tetrachloride | ND | 20 | 0.65 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 20:52 | MFF |
| Chlorobenzene | ND | 4.0 | 0.48 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 20:52 | MFF |
| Chlorodibromomethane | ND | 2.0 | 0.80 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 20:52 | MFF |
| Chloroethane | ND | 8.0 | 1.4 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 20:52 | MFF |
| Chloroform | 1.1 | 8.0 | 0.56 | µg/L | 4 | J | SW-846 8260D | 4/13/23 | 4/13/23 20:52 | MFF |
| Chloromethane | ND | 8.0 | 2.0 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 20:52 | MFF |
| Cyclohexane | ND | 20 | 7.1 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 20:52 | MFF |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND | 20 | 3.4 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 20:52 | MFF |
| 1,2-Dibromoethane (EDB) | ND | 2.0 | 0.64 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 20:52 | MFF |
| 1,2-Dichlorobenzene | ND | 4.0 | 0.52 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 20:52 | MFF |
| 1,3-Dichlorobenzene | ND | 4.0 | 0.55 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 20:52 | MFF |
| 1,4-Dichlorobenzene | ND | 4.0 | 0.51 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 20:52 | MFF |
| Dichlorodifluoromethane (Freon 12) | ND | 8.0 | 0.64 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 20:52 | MFF |
| 1,1-Dichloroethane | ND | 4.0 | 0.55 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 20:52 | MFF |
| 1,2-Dichloroethane | ND | 4.0 | 1.2 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 20:52 | MFF |
| 1,1-Dichloroethylene | ND | 4.0 | 0.56 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 20:52 | MFF |
| cis-1,2-Dichloroethylene | 43 | 4.0 | 0.56 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 20:52 | MFF |
| trans-1,2-Dichloroethylene | ND | 4.0 | 0.69 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 20:52 | MFF |
| 1,2-Dichloropropane | ND | 4.0 | 0.77 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 20:52 | MFF |
| cis-1,3-Dichloropropene | ND | 2.0 | 0.65 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 20:52 | MFF |
| trans-1,3-Dichloropropene | ND | 2.0 | 0.57 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 20:52 | MFF |
| 1,4-Dioxane | ND | 200 | 72 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 20:52 | MFF |
| Ethylbenzene | ND | 4.0 | 0.88 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 20:52 | MFF |
| 2-Hexanone (MBK) | ND | 40 | 4.8 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 20:52 | MFF |
| Isopropylbenzene (Cumene) | ND | 4.0 | 0.60 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 20:52 | MFF |
| Methyl Acetate | ND | 4.0 | 2.4 | µg/L | 4 | V-05 | SW-846 8260D | 4/13/23 | 4/13/23 20:52 | MFF |
| Methyl tert-Butyl Ether (MTBE) | ND | 4.0 | 0.68 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 20:52 | MFF |
| Methyl Cyclohexane | ND | 4.0 | 0.62 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 20:52 | MFF |
| Methylene Chloride | ND | 20 | 0.71 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 20:52 | MFF |
| 4-Methyl-2-pentanone (MIBK) | ND | 40 | 5.3 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 20:52 | MFF |
| Styrene | ND | 4.0 | 0.60 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 20:52 | MFF |
| 1,1,2,2-Tetrachloroethane | ND | 2.0 | 0.55 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 20:52 | MFF |
| Tetrachloroethylene | 290 | 4.0 | 0.67 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 20:52 | MFF |
| Toluene | ND | 4.0 | 0.89 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 20:52 | MFF |
| 1,2,3-Trichlorobenzene | ND | 20 | 1.4 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 20:52 | MFF |
| 1,2,4-Trichlorobenzene | ND | 4.0 | 1.2 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 20:52 | MFF |

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

Project Location: 275 Franklin St, Buffalo, NY | Sample Description: | Work Order: 23D0848

Date Received: 4/7/2023

**Field Sample #: MW-26S** | Sampled: 4/6/2023 11:05

**Sample ID: 23D0848-03**

Sample Matrix: Ground Water

Sample Flags: RL-11

**Volatile Organic Compounds by GC/MS**

| Analyte | Results | RL | DL | Units | Dilution | Flag/Qual | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | ND | 4.0 | 0.60 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 20:52 | MFF |
| 1,1,2-Trichloroethane | ND | 4.0 | 0.76 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 20:52 | MFF |
| Trichloroethylene | 14 | 4.0 | 0.70 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 20:52 | MFF |
| Trichlorofluoromethane (Freon 11) | ND | 8.0 | 0.62 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 20:52 | MFF |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND | 4.0 | 0.83 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 20:52 | MFF |
| Vinyl Chloride | ND | 8.0 | 0.95 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 20:52 | MFF |
| Xylenes (total) | ND | 4.0 | 4.0 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 20:52 | MFF |

| Surrogates | % Recovery | Recovery Limits | Flag/Qual | |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 103 | 70-130 | | 4/13/23 20:52 |
| Toluene-d8 | 98.8 | 70-130 | | 4/13/23 20:52 |
| 4-Bromofluorobenzene | 94.6 | 70-130 | | 4/13/23 20:52 |

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Project Location: 275 Franklin St, Buffalo, NY | Sample Description: | Work Order: 23D0848

Date Received: 4/7/2023

**Field Sample #: MW-25S** | Sampled: 4/6/2023 12:40

**Sample ID: 23D0848-04**

Sample Matrix: Ground Water

Sample Flags: RL-11

**Volatile Organic Compounds by GC/MS**

| Analyte | Results | RL | DL | Units | Dilution | Flag/Qual | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| Acetone | 13 | 200 | 8.0 | µg/L | 4 | J | SW-846 8260D | 4/13/23 | 4/13/23 21:19 | MFF |
| Benzene | ND | 4.0 | 0.74 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 21:19 | MFF |
| Bromochloromethane | ND | 4.0 | 1.1 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 21:19 | MFF |
| Bromodichloromethane | ND | 2.0 | 0.63 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 21:19 | MFF |
| Bromoform | ND | 4.0 | 1.6 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 21:19 | MFF |
| Bromomethane | ND | 8.0 | 5.3 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 21:19 | MFF |
| 2-Butanone (MEK) | 21 | 80 | 6.7 | µg/L | 4 | J | SW-846 8260D | 4/13/23 | 4/13/23 21:19 | MFF |
| Carbon Disulfide | ND | 20 | 6.2 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 21:19 | MFF |
| Carbon Tetrachloride | ND | 20 | 0.65 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 21:19 | MFF |
| Chlorobenzene | ND | 4.0 | 0.48 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 21:19 | MFF |
| Chlorodibromomethane | ND | 2.0 | 0.80 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 21:19 | MFF |
| Chloroethane | ND | 8.0 | 1.4 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 21:19 | MFF |
| Chloroform | ND | 8.0 | 0.56 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 21:19 | MFF |
| Chloromethane | ND | 8.0 | 2.0 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 21:19 | MFF |
| Cyclohexane | ND | 20 | 7.1 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 21:19 | MFF |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND | 20 | 3.4 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 21:19 | MFF |
| 1,2-Dibromoethane (EDB) | ND | 2.0 | 0.64 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 21:19 | MFF |
| 1,2-Dichlorobenzene | ND | 4.0 | 0.52 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 21:19 | MFF |
| 1,3-Dichlorobenzene | ND | 4.0 | 0.55 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 21:19 | MFF |
| 1,4-Dichlorobenzene | ND | 4.0 | 0.51 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 21:19 | MFF |
| Dichlorodifluoromethane (Freon 12) | ND | 8.0 | 0.64 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 21:19 | MFF |
| 1,1-Dichloroethane | ND | 4.0 | 0.55 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 21:19 | MFF |
| 1,2-Dichloroethane | ND | 4.0 | 1.2 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 21:19 | MFF |
| 1,1-Dichloroethylene | ND | 4.0 | 0.56 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 21:19 | MFF |
| cis-1,2-Dichloroethylene | 210 | 4.0 | 0.56 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 21:19 | MFF |
| trans-1,2-Dichloroethylene | 1.5 | 4.0 | 0.69 | µg/L | 4 | J | SW-846 8260D | 4/13/23 | 4/13/23 21:19 | MFF |
| 1,2-Dichloropropane | ND | 4.0 | 0.77 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 21:19 | MFF |
| cis-1,3-Dichloropropene | ND | 2.0 | 0.65 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 21:19 | MFF |
| trans-1,3-Dichloropropene | ND | 2.0 | 0.57 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 21:19 | MFF |
| 1,4-Dioxane | ND | 200 | 72 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 21:19 | MFF |
| Ethylbenzene | ND | 4.0 | 0.88 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 21:19 | MFF |
| 2-Hexanone (MBK) | ND | 40 | 4.8 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 21:19 | MFF |
| Isopropylbenzene (Cumene) | ND | 4.0 | 0.60 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 21:19 | MFF |
| Methyl Acetate | ND | 4.0 | 2.4 | µg/L | 4 | V-05 | SW-846 8260D | 4/13/23 | 4/13/23 21:19 | MFF |
| Methyl tert-Butyl Ether (MTBE) | ND | 4.0 | 0.68 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 21:19 | MFF |
| Methyl Cyclohexane | ND | 4.0 | 0.62 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 21:19 | MFF |
| Methylene Chloride | ND | 20 | 0.71 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 21:19 | MFF |
| 4-Methyl-2-pentanone (MIBK) | ND | 40 | 5.3 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 21:19 | MFF |
| Styrene | ND | 4.0 | 0.60 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 21:19 | MFF |
| 1,1,2,2-Tetrachloroethane | ND | 2.0 | 0.55 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 21:19 | MFF |
| Tetrachloroethylene | 220 | 4.0 | 0.67 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 21:19 | MFF |
| Toluene | ND | 4.0 | 0.89 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 21:19 | MFF |
| 1,2,3-Trichlorobenzene | ND | 20 | 1.4 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 21:19 | MFF |
| 1,2,4-Trichlorobenzene | ND | 4.0 | 1.2 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 21:19 | MFF |

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

Project Location: 275 Franklin St, Buffalo, NY | Sample Description: | Work Order: 23D0848

Date Received: 4/7/2023

**Field Sample #: MW-25S** | Sampled: 4/6/2023 12:40

**Sample ID: 23D0848-04**

Sample Matrix: Ground Water

Sample Flags: RL-11

**Volatile Organic Compounds by GC/MS**

| Analyte | Results | RL | DL | Units | Dilution | Flag/Qual | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | ND | 4.0 | 0.60 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 21:19 | MFF |
| 1,1,2-Trichloroethane | ND | 4.0 | 0.76 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 21:19 | MFF |
| Trichloroethylene | 24 | 4.0 | 0.70 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 21:19 | MFF |
| Trichlorofluoromethane (Freon 11) | ND | 8.0 | 0.62 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 21:19 | MFF |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND | 4.0 | 0.83 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 21:19 | MFF |
| Vinyl Chloride | ND | 8.0 | 0.95 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 21:19 | MFF |
| Xylenes (total) | ND | 4.0 | 4.0 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 21:19 | MFF |

| Surrogates | % Recovery | Recovery Limits | Flag/Qual | |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 103 | 70-130 | | 4/13/23 21:19 |
| Toluene-d8 | 102 | 70-130 | | 4/13/23 21:19 |
| 4-Bromofluorobenzene | 95.4 | 70-130 | | 4/13/23 21:19 |

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

Project Location: 275 Franklin St, Buffalo, NY | Sample Description: | Work Order: 23D0848

Date Received: 4/7/2023

**Field Sample #: MW-23D** | Sampled: 4/6/2023 15:15

**Sample ID: 23D0848-05**

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 | 4/13/23 | 4/13/23 20:25 | MFF |
| Benzene | ND | 1.0 | 0.18 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 20:25 | MFF |
| Bromochloromethane | ND | 1.0 | 0.28 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 20:25 | MFF |
| Bromodichloromethane | ND | 0.50 | 0.16 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 20:25 | MFF |
| Bromoform | ND | 1.0 | 0.41 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 20:25 | MFF |
| Bromomethane | ND | 2.0 | 1.3 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 20:25 | MFF |
| 2-Butanone (MEK) | ND | 20 | 1.7 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 20:25 | MFF |
| Carbon Disulfide | ND | 5.0 | 1.6 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 20:25 | MFF |
| Carbon Tetrachloride | ND | 5.0 | 0.16 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 20:25 | MFF |
| Chlorobenzene | ND | 1.0 | 0.12 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 20:25 | MFF |
| Chlorodibromomethane | ND | 0.50 | 0.20 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 20:25 | MFF |
| Chloroethane | ND | 2.0 | 0.34 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 20:25 | MFF |
| Chloroform | 0.31 | 2.0 | 0.14 | µg/L | 1 | J | SW-846 8260D | 4/13/23 | 4/13/23 20:25 | MFF |
| Chloromethane | ND | 2.0 | 0.50 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 20:25 | MFF |
| Cyclohexane | ND | 5.0 | 1.8 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 20:25 | MFF |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND | 5.0 | 0.85 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 20:25 | MFF |
| 1,2-Dibromoethane (EDB) | ND | 0.50 | 0.16 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 20:25 | MFF |
| 1,2-Dichlorobenzene | ND | 1.0 | 0.13 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 20:25 | MFF |
| 1,3-Dichlorobenzene | ND | 1.0 | 0.14 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 20:25 | MFF |
| 1,4-Dichlorobenzene | ND | 1.0 | 0.13 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 20:25 | MFF |
| Dichlorodifluoromethane (Freon 12) | ND | 2.0 | 0.16 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 20:25 | MFF |
| 1,1-Dichloroethane | ND | 1.0 | 0.14 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 20:25 | MFF |
| 1,2-Dichloroethane | ND | 1.0 | 0.30 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 20:25 | MFF |
| 1,1-Dichloroethylene | ND | 1.0 | 0.14 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 20:25 | MFF |
| cis-1,2-Dichloroethylene | ND | 1.0 | 0.14 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 20:25 | MFF |
| trans-1,2-Dichloroethylene | ND | 1.0 | 0.17 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 20:25 | MFF |
| 1,2-Dichloropropane | ND | 1.0 | 0.19 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 20:25 | MFF |
| cis-1,3-Dichloropropene | ND | 0.50 | 0.16 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 20:25 | MFF |
| trans-1,3-Dichloropropene | ND | 0.50 | 0.14 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 20:25 | MFF |
| 1,4-Dioxane | ND | 50 | 18 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 20:25 | MFF |
| Ethylbenzene | ND | 1.0 | 0.22 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 20:25 | MFF |
| 2-Hexanone (MBK) | ND | 10 | 1.2 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 20:25 | MFF |
| Isopropylbenzene (Cumene) | ND | 1.0 | 0.15 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 20:25 | MFF |
| Methyl Acetate | ND | 1.0 | 0.61 | µg/L | 1 | V-05 | SW-846 8260D | 4/13/23 | 4/13/23 20:25 | MFF |
| Methyl tert-Butyl Ether (MTBE) | ND | 1.0 | 0.17 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 20:25 | MFF |
| Methyl Cyclohexane | ND | 1.0 | 0.16 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 20:25 | MFF |
| Methylene Chloride | ND | 5.0 | 0.18 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 20:25 | MFF |
| 4-Methyl-2-pentanone (MIBK) | ND | 10 | 1.3 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 20:25 | MFF |
| Styrene | ND | 1.0 | 0.15 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 20:25 | MFF |
| 1,1,2,2-Tetrachloroethane | ND | 0.50 | 0.14 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 20:25 | MFF |
| Tetrachloroethylene | 0.70 | 1.0 | 0.17 | µg/L | 1 | J | SW-846 8260D | 4/13/23 | 4/13/23 20:25 | MFF |
| Toluene | ND | 1.0 | 0.22 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 20:25 | MFF |
| 1,2,3-Trichlorobenzene | ND | 5.0 | 0.34 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 20:25 | MFF |
| 1,2,4-Trichlorobenzene | ND | 1.0 | 0.30 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 20:25 | MFF |

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

Project Location: 275 Franklin St, Buffalo, NY | Sample Description: | Work Order: 23D0848

Date Received: 4/7/2023

**Field Sample #: MW-23D** | Sampled: 4/6/2023 15:15

**Sample ID: 23D0848-05**

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 |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | ND | 1.0 | 0.15 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 20:25 | MFF |
| 1,1,2-Trichloroethane | ND | 1.0 | 0.19 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 20:25 | MFF |
| Trichloroethylene | ND | 1.0 | 0.17 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 20:25 | MFF |
| Trichlorofluoromethane (Freon 11) | ND | 2.0 | 0.15 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 20:25 | MFF |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND | 1.0 | 0.21 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 20:25 | MFF |
| Vinyl Chloride | ND | 2.0 | 0.24 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 20:25 | MFF |
| Xylenes (total) | ND | 1.0 | 1.0 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 20:25 | MFF |

| Surrogates | % Recovery | Recovery Limits | Flag/Qual | |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 101 | 70-130 | | 4/13/23 20:25 |
| Toluene-d8 | 100 | 70-130 | | 4/13/23 20:25 |
| 4-Bromofluorobenzene | 96.9 | 70-130 | | 4/13/23 20:25 |

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

Project Location: 275 Franklin St, Buffalo, NY | Sample Description: | Work Order: 23D0848

Date Received: 4/7/2023

**Field Sample #: Trip Blank** | Sampled: 4/6/2023 12:40

**Sample ID: 23D0848-06**

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 | ND | 50 | 2.0 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 13:45 | MFF |
| Benzene | ND | 1.0 | 0.18 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 13:45 | MFF |
| Bromochloromethane | ND | 1.0 | 0.28 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 13:45 | MFF |
| Bromodichloromethane | ND | 0.50 | 0.16 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 13:45 | MFF |
| Bromoform | ND | 1.0 | 0.41 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 13:45 | MFF |
| Bromomethane | ND | 2.0 | 1.3 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 13:45 | MFF |
| 2-Butanone (MEK) | ND | 20 | 1.7 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 13:45 | MFF |
| Carbon Disulfide | ND | 5.0 | 1.6 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 13:45 | MFF |
| Carbon Tetrachloride | ND | 5.0 | 0.16 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 13:45 | MFF |
| Chlorobenzene | ND | 1.0 | 0.12 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 13:45 | MFF |
| Chlorodibromomethane | ND | 0.50 | 0.20 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 13:45 | MFF |
| Chloroethane | ND | 2.0 | 0.34 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 13:45 | MFF |
| Chloroform | ND | 2.0 | 0.14 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 13:45 | MFF |
| Chloromethane | ND | 2.0 | 0.50 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 13:45 | MFF |
| Cyclohexane | ND | 5.0 | 1.8 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 13:45 | MFF |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND | 5.0 | 0.85 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 13:45 | MFF |
| 1,2-Dibromoethane (EDB) | ND | 0.50 | 0.16 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 13:45 | MFF |
| 1,2-Dichlorobenzene | ND | 1.0 | 0.13 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 13:45 | MFF |
| 1,3-Dichlorobenzene | ND | 1.0 | 0.14 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 13:45 | MFF |
| 1,4-Dichlorobenzene | ND | 1.0 | 0.13 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 13:45 | MFF |
| Dichlorodifluoromethane (Freon 12) | ND | 2.0 | 0.16 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 13:45 | MFF |
| 1,1-Dichloroethane | ND | 1.0 | 0.14 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 13:45 | MFF |
| 1,2-Dichloroethane | ND | 1.0 | 0.30 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 13:45 | MFF |
| 1,1-Dichloroethylene | ND | 1.0 | 0.14 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 13:45 | MFF |
| cis-1,2-Dichloroethylene | ND | 1.0 | 0.14 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 13:45 | MFF |
| trans-1,2-Dichloroethylene | ND | 1.0 | 0.17 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 13:45 | MFF |
| 1,2-Dichloropropane | ND | 1.0 | 0.19 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 13:45 | MFF |
| cis-1,3-Dichloropropene | ND | 0.50 | 0.16 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 13:45 | MFF |
| trans-1,3-Dichloropropene | ND | 0.50 | 0.14 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 13:45 | MFF |
| 1,4-Dioxane | ND | 50 | 18 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 13:45 | MFF |
| Ethylbenzene | ND | 1.0 | 0.22 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 13:45 | MFF |
| 2-Hexanone (MBK) | ND | 10 | 1.2 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 13:45 | MFF |
| Isopropylbenzene (Cumene) | ND | 1.0 | 0.15 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 13:45 | MFF |
| Methyl Acetate | ND | 1.0 | 0.61 | µg/L | 1 | V-05 | SW-846 8260D | 4/13/23 | 4/13/23 13:45 | MFF |
| Methyl tert-Butyl Ether (MTBE) | ND | 1.0 | 0.17 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 13:45 | MFF |
| Methyl Cyclohexane | ND | 1.0 | 0.16 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 13:45 | MFF |
| Methylene Chloride | ND | 5.0 | 0.18 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 13:45 | MFF |
| 4-Methyl-2-pentanone (MIBK) | ND | 10 | 1.3 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 13:45 | MFF |
| Styrene | ND | 1.0 | 0.15 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 13:45 | MFF |
| 1,1,2,2-Tetrachloroethane | ND | 0.50 | 0.14 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 13:45 | MFF |
| Tetrachloroethylene | ND | 1.0 | 0.17 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 13:45 | MFF |
| Toluene | ND | 1.0 | 0.22 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 13:45 | MFF |
| 1,2,3-Trichlorobenzene | ND | 5.0 | 0.34 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 13:45 | MFF |
| 1,2,4-Trichlorobenzene | ND | 1.0 | 0.30 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 13:45 | MFF |

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

Project Location: 275 Franklin St, Buffalo, NY | Sample Description: | Work Order: 23D0848

Date Received: 4/7/2023

**Field Sample #: Trip Blank** | Sampled: 4/6/2023 12:40

**Sample ID: 23D0848-06**

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 |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | ND | 1.0 | 0.15 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 13:45 | MFF |
| 1,1,2-Trichloroethane | ND | 1.0 | 0.19 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 13:45 | MFF |
| Trichloroethylene | ND | 1.0 | 0.17 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 13:45 | MFF |
| Trichlorofluoromethane (Freon 11) | ND | 2.0 | 0.15 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 13:45 | MFF |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND | 1.0 | 0.21 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 13:45 | MFF |
| Vinyl Chloride | ND | 2.0 | 0.24 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 13:45 | MFF |
| Xylenes (total) | ND | 1.0 | 1.0 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 13:45 | MFF |

| Surrogates | % Recovery | Recovery Limits | Flag/Qual | |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 97.7 | 70-130 | | 4/13/23 13:45 |
| Toluene-d8 | 98.5 | 70-130 | | 4/13/23 13:45 |
| 4-Bromofluorobenzene | 96.0 | 70-130 | | 4/13/23 13:45 |

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## Sample Extraction Data

**Prep Method: SW-846 5030B** **Analytical Method: SW-846 8260D**

| Lab Number [Field ID] | Batch | Initial [mL] | Final [mL] | Date |
|---|---|---|---|---|
| 23D0848-02 [DUP-1] | B337043 | 5 | 5.00 | 04/13/23 |
| 23D0848-03 [MW-26S] | B337043 | 1.25 | 5.00 | 04/13/23 |
| 23D0848-04 [MW-25S] | B337043 | 1.25 | 5.00 | 04/13/23 |
| 23D0848-05 [MW-23D] | B337043 | 5 | 5.00 | 04/13/23 |
| 23D0848-06 [Trip Blank] | B337043 | 5 | 5.00 | 04/13/23 |

**Prep Method: SW-846 5030B** **Analytical Method: SW-846 8260D**

| Lab Number [Field ID] | Batch | Initial [mL] | Final [mL] | Date |
|---|---|---|---|---|
| 23D0848-01 [MW-27S] | B337044 | 5 | 5.00 | 04/13/23 |

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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 B337043 - SW-846 5030B** | | | | | | | | | | |
| **Blank (B337043-BLK1)** | | | | Prepared & Analyzed: 04/13/23 | | | | | | |
| 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 | | | | | | | |
| Carbon Disulfide | ND | 5.0 | µg/L | | | | | | | |
| Carbon Tetrachloride | ND | 5.0 | µg/L | | | | | | | |
| 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 | | | | | | | |
| 1,4-Dioxane | ND | 50 | µg/L | | | | | | | |
| Ethylbenzene | ND | 1.0 | µg/L | | | | | | | |
| 2-Hexanone (MBK) | ND | 10 | µg/L | | | | | | | |
| Isopropylbenzene (Cumene) | ND | 1.0 | µg/L | | | | | | | |
| Methyl Acetate | ND | 1.0 | µg/L | | | | | | | V-05 |
| 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 | | | | | | | |
| 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 | | | | | | | |
| 1,1,1-Trichloroethane | ND | 1.0 | µg/L | | | | | | | |
| 1,1,2-Trichloroethane | ND | 1.0 | µg/L | | | | | | | |
| Trichloroethylene | ND | 1.0 | µg/L | | | | | | | |
| Trichlorofluoromethane (Freon 11) | ND | 2.0 | µg/L | | | | | | | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND | 1.0 | µg/L | | | | | | | |
| Vinyl Chloride | ND | 2.0 | µg/L | | | | | | | |
| m+p Xylene | ND | 2.0 | 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 B337043 - SW-846 5030B** | | | | | | | | | | | |
| **Blank (B337043-BLK1)** | | | | Prepared & Analyzed: 04/13/23 | | | | | | | |
| o-Xylene | ND | 1.0 | µg/L | | | | | | | | |
| Xylenes (total) | ND | 1.0 | µg/L | | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | *24.3* | | µg/L | 25.0 | | 97.4 | 70-130 | | | | |
| Surrogate: Toluene-d8 | *25.8* | | µg/L | 25.0 | | 103 | 70-130 | | | | |
| Surrogate: 4-Bromofluorobenzene | *23.9* | | µg/L | 25.0 | | 95.7 | 70-130 | | | | |
| **LCS (B337043-BS1)** | | | | Prepared & Analyzed: 04/13/23 | | | | | | | |
| Acetone | 99.5 | 50 | µg/L | 100 | | 99.5 | 70-160 | | | | † |
| Benzene | 10.4 | 1.0 | µg/L | 10.0 | | 104 | 70-130 | | | | |
| Bromochloromethane | 10.9 | 1.0 | µg/L | 10.0 | | 109 | 70-130 | | | | |
| Bromodichloromethane | 9.48 | 0.50 | µg/L | 10.0 | | 94.8 | 70-130 | | | | |
| Bromoform | 8.57 | 1.0 | µg/L | 10.0 | | 85.7 | 70-130 | | | | |
| Bromomethane | 10.7 | 2.0 | µg/L | 10.0 | | 107 | 40-160 | | | | † |
| 2-Butanone (MEK) | 111 | 20 | µg/L | 100 | | 111 | 40-160 | | | | † |
| Carbon Disulfide | 96.3 | 5.0 | µg/L | 100 | | 96.3 | 70-130 | | | | |
| Carbon Tetrachloride | 9.24 | 5.0 | µg/L | 10.0 | | 92.4 | 70-130 | | | | |
| Chlorobenzene | 9.81 | 1.0 | µg/L | 10.0 | | 98.1 | 70-130 | | | | |
| Chlorodibromomethane | 9.44 | 0.50 | µg/L | 10.0 | | 94.4 | 70-130 | | | | |
| Chloroethane | 9.07 | 2.0 | µg/L | 10.0 | | 90.7 | 70-130 | | | | |
| Chloroform | 9.81 | 2.0 | µg/L | 10.0 | | 98.1 | 70-130 | | | | |
| Chloromethane | 8.95 | 2.0 | µg/L | 10.0 | | 89.5 | 40-160 | | | | † |
| Cyclohexane | 10.7 | 5.0 | µg/L | 10.0 | | 107 | 70-130 | | | | |
| 1,2-Dibromo-3-chloropropane (DBCP) | 9.00 | 5.0 | µg/L | 10.0 | | 90.0 | 70-130 | | | | |
| 1,2-Dibromoethane (EDB) | 10.2 | 0.50 | µg/L | 10.0 | | 102 | 70-130 | | | | |
| 1,2-Dichlorobenzene | 10.1 | 1.0 | µg/L | 10.0 | | 101 | 70-130 | | | | |
| 1,3-Dichlorobenzene | 10.0 | 1.0 | µg/L | 10.0 | | 100 | 70-130 | | | | |
| 1,4-Dichlorobenzene | 9.43 | 1.0 | µg/L | 10.0 | | 94.3 | 70-130 | | | | |
| Dichlorodifluoromethane (Freon 12) | 10.6 | 2.0 | µg/L | 10.0 | | 106 | 40-160 | | | | † |
| 1,1-Dichloroethane | 9.82 | 1.0 | µg/L | 10.0 | | 98.2 | 70-130 | | | | |
| 1,2-Dichloroethane | 9.38 | 1.0 | µg/L | 10.0 | | 93.8 | 70-130 | | | | |
| 1,1-Dichloroethylene | 9.30 | 1.0 | µg/L | 10.0 | | 93.0 | 70-130 | | | | |
| cis-1,2-Dichloroethylene | 10.0 | 1.0 | µg/L | 10.0 | | 100 | 70-130 | | | | |
| trans-1,2-Dichloroethylene | 9.36 | 1.0 | µg/L | 10.0 | | 93.6 | 70-130 | | | | |
| 1,2-Dichloropropane | 10.7 | 1.0 | µg/L | 10.0 | | 107 | 70-130 | | | | |
| cis-1,3-Dichloropropene | 10.3 | 0.50 | µg/L | 10.0 | | 103 | 70-130 | | | | |
| trans-1,3-Dichloropropene | 10.5 | 0.50 | µg/L | 10.0 | | 105 | 70-130 | | | | |
| 1,4-Dioxane | 87.0 | 50 | µg/L | 100 | | 87.0 | 40-130 | | | | † |
| Ethylbenzene | 10.3 | 1.0 | µg/L | 10.0 | | 103 | 70-130 | | | | |
| 2-Hexanone (MBK) | 99.0 | 10 | µg/L | 100 | | 99.0 | 70-160 | | | | † |
| Isopropylbenzene (Cumene) | 9.91 | 1.0 | µg/L | 10.0 | | 99.1 | 70-130 | | | | |
| Methyl Acetate | 7.82 | 1.0 | µg/L | 10.0 | | 78.2 | 70-130 | | | V-05 | |
| Methyl tert-Butyl Ether (MTBE) | 10.4 | 1.0 | µg/L | 10.0 | | 104 | 70-130 | | | | |
| Methyl Cyclohexane | 11.1 | 1.0 | µg/L | 10.0 | | 111 | 70-130 | | | | |
| Methylene Chloride | 9.55 | 5.0 | µg/L | 10.0 | | 95.5 | 70-130 | | | | |
| 4-Methyl-2-pentanone (MIBK) | 96.8 | 10 | µg/L | 100 | | 96.8 | 70-160 | | | | † |
| Styrene | 10.0 | 1.0 | µg/L | 10.0 | | 100 | 70-130 | | | | |
| 1,1,2,2-Tetrachloroethane | 9.41 | 0.50 | µg/L | 10.0 | | 94.1 | 70-130 | | | | |
| Tetrachloroethylene | 10.5 | 1.0 | µg/L | 10.0 | | 105 | 70-130 | | | | |
| Toluene | 10.3 | 1.0 | µg/L | 10.0 | | 103 | 70-130 | | | | |
| 1,2,3-Trichlorobenzene | 9.69 | 5.0 | µg/L | 10.0 | | 96.9 | 70-130 | | | | |
| 1,2,4-Trichlorobenzene | 10.1 | 1.0 | µg/L | 10.0 | | 101 | 70-130 | | | | |
| 1,1,1-Trichloroethane | 9.66 | 1.0 | µg/L | 10.0 | | 96.6 | 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 B337043 - SW-846 5030B** | | | | | | | | | | |
| **LCS (B337043-BS1)** | | | | Prepared & Analyzed: 04/13/23 | | | | | | |
| 1,1,2-Trichloroethane | 10.5 | 1.0 | µg/L | 10.0 | | 105 | 70-130 | | | |
| Trichloroethylene | 9.72 | 1.0 | µg/L | 10.0 | | 97.2 | 70-130 | | | |
| Trichlorofluoromethane (Freon 11) | 9.23 | 2.0 | µg/L | 10.0 | | 92.3 | 70-130 | | | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | 9.88 | 1.0 | µg/L | 10.0 | | 98.8 | 70-130 | | | |
| Vinyl Chloride | 10.8 | 2.0 | µg/L | 10.0 | | 108 | 40-160 | | | † |
| m+p Xylene | 19.9 | 2.0 | µg/L | 20.0 | | 99.6 | 70-130 | | | |
| o-Xylene | 9.86 | 1.0 | µg/L | 10.0 | | 98.6 | 70-130 | | | |
| Xylenes (total) | 29.8 | 1.0 | µg/L | 30.0 | | 99.3 | 0-200 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | *23.7* | | µg/L | 25.0 | | 94.8 | 70-130 | | | |
| Surrogate: Toluene-d8 | *25.6* | | µg/L | 25.0 | | 103 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | *24.0* | | µg/L | 25.0 | | 96.1 | 70-130 | | | |
| **LCS Dup (B337043-BSD1)** | | | | Prepared & Analyzed: 04/13/23 | | | | | | |
| Acetone | 102 | 50 | µg/L | 100 | | 102 | 70-160 | 2.91 | 25 | † |
| Benzene | 10.6 | 1.0 | µg/L | 10.0 | | 106 | 70-130 | 2.00 | 25 | |
| Bromochloromethane | 11.0 | 1.0 | µg/L | 10.0 | | 110 | 70-130 | 1.28 | 25 | |
| Bromodichloromethane | 9.76 | 0.50 | µg/L | 10.0 | | 97.6 | 70-130 | 2.91 | 25 | |
| Bromoform | 9.10 | 1.0 | µg/L | 10.0 | | 91.0 | 70-130 | 6.00 | 25 | |
| Bromomethane | 10.4 | 2.0 | µg/L | 10.0 | | 104 | 40-160 | 2.47 | 25 | † |
| 2-Butanone (MEK) | 116 | 20 | µg/L | 100 | | 116 | 40-160 | 4.52 | 25 | † |
| Carbon Disulfide | 96.2 | 5.0 | µg/L | 100 | | 96.2 | 70-130 | 0.0208 | 25 | |
| Carbon Tetrachloride | 9.12 | 5.0 | µg/L | 10.0 | | 91.2 | 70-130 | 1.31 | 25 | |
| Chlorobenzene | 9.88 | 1.0 | µg/L | 10.0 | | 98.8 | 70-130 | 0.711 | 25 | |
| Chlorodibromomethane | 9.32 | 0.50 | µg/L | 10.0 | | 93.2 | 70-130 | 1.28 | 25 | |
| Chloroethane | 9.18 | 2.0 | µg/L | 10.0 | | 91.8 | 70-130 | 1.21 | 25 | |
| Chloroform | 9.62 | 2.0 | µg/L | 10.0 | | 96.2 | 70-130 | 1.96 | 25 | |
| Chloromethane | 8.86 | 2.0 | µg/L | 10.0 | | 88.6 | 40-160 | 1.01 | 25 | † |
| Cyclohexane | 10.7 | 5.0 | µg/L | 10.0 | | 107 | 70-130 | 0.187 | 25 | |
| 1,2-Dibromo-3-chloropropane (DBCP) | 9.46 | 5.0 | µg/L | 10.0 | | 94.6 | 70-130 | 4.98 | 25 | |
| 1,2-Dibromoethane (EDB) | 10.1 | 0.50 | µg/L | 10.0 | | 101 | 70-130 | 0.787 | 25 | |
| 1,2-Dichlorobenzene | 9.85 | 1.0 | µg/L | 10.0 | | 98.5 | 70-130 | 2.90 | 25 | |
| 1,3-Dichlorobenzene | 10.0 | 1.0 | µg/L | 10.0 | | 100 | 70-130 | 0.399 | 25 | |
| 1,4-Dichlorobenzene | 9.64 | 1.0 | µg/L | 10.0 | | 96.4 | 70-130 | 2.20 | 25 | |
| Dichlorodifluoromethane (Freon 12) | 10.8 | 2.0 | µg/L | 10.0 | | 108 | 40-160 | 1.88 | 25 | † |
| 1,1-Dichloroethane | 9.86 | 1.0 | µg/L | 10.0 | | 98.6 | 70-130 | 0.407 | 25 | |
| 1,2-Dichloroethane | 9.03 | 1.0 | µg/L | 10.0 | | 90.3 | 70-130 | 3.80 | 25 | |
| 1,1-Dichloroethylene | 9.24 | 1.0 | µg/L | 10.0 | | 92.4 | 70-130 | 0.647 | 25 | |
| cis-1,2-Dichloroethylene | 9.60 | 1.0 | µg/L | 10.0 | | 96.0 | 70-130 | 4.38 | 25 | |
| trans-1,2-Dichloroethylene | 9.35 | 1.0 | µg/L | 10.0 | | 93.5 | 70-130 | 0.107 | 25 | |
| 1,2-Dichloropropane | 10.7 | 1.0 | µg/L | 10.0 | | 107 | 70-130 | 0.00 | 25 | |
| cis-1,3-Dichloropropene | 10.2 | 0.50 | µg/L | 10.0 | | 102 | 70-130 | 0.586 | 25 | |
| trans-1,3-Dichloropropene | 10.0 | 0.50 | µg/L | 10.0 | | 100 | 70-130 | 4.48 | 25 | |
| 1,4-Dioxane | 104 | 50 | µg/L | 100 | | 104 | 40-130 | 17.6 | 50 | † ‡ |
| Ethylbenzene | 10.2 | 1.0 | µg/L | 10.0 | | 102 | 70-130 | 0.979 | 25 | |
| 2-Hexanone (MBK) | 113 | 10 | µg/L | 100 | | 113 | 70-160 | 13.3 | 25 | † |
| Isopropylbenzene (Cumene) | 10.1 | 1.0 | µg/L | 10.0 | | 101 | 70-130 | 2.20 | 25 | |
| Methyl Acetate | 8.41 | 1.0 | µg/L | 10.0 | | 84.1 | 70-130 | 7.27 | 25 | V-05 |
| Methyl tert-Butyl Ether (MTBE) | 10.4 | 1.0 | µg/L | 10.0 | | 104 | 70-130 | 0.672 | 25 | |
| Methyl Cyclohexane | 11.3 | 1.0 | µg/L | 10.0 | | 113 | 70-130 | 1.43 | 25 | |
| Methylene Chloride | 9.32 | 5.0 | µg/L | 10.0 | | 93.2 | 70-130 | 2.44 | 25 | |
| 4-Methyl-2-pentanone (MIBK) | 106 | 10 | µg/L | 100 | | 106 | 70-160 | 8.85 | 25 | † |
| Styrene | 10.4 | 1.0 | µg/L | 10.0 | | 104 | 70-130 | 3.42 | 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 B337043 - SW-846 5030B** | | | | | | | | | | |
| **LCS Dup (B337043-BSD1)** | | | | Prepared & Analyzed: 04/13/23 | | | | | | |
| 1,1,2,2-Tetrachloroethane | 9.51 | 0.50 | µg/L | 10.0 | | 95.1 | 70-130 | 1.06 | 25 | |
| Tetrachloroethylene | 10.1 | 1.0 | µg/L | 10.0 | | 101 | 70-130 | 3.97 | 25 | |
| Toluene | 10.1 | 1.0 | µg/L | 10.0 | | 101 | 70-130 | 2.06 | 25 | |
| 1,2,3-Trichlorobenzene | 9.53 | 5.0 | µg/L | 10.0 | | 95.3 | 70-130 | 1.66 | 25 | |
| 1,2,4-Trichlorobenzene | 10.4 | 1.0 | µg/L | 10.0 | | 104 | 70-130 | 3.02 | 25 | |
| 1,1,1-Trichloroethane | 9.45 | 1.0 | µg/L | 10.0 | | 94.5 | 70-130 | 2.20 | 25 | |
| 1,1,2-Trichloroethane | 10.2 | 1.0 | µg/L | 10.0 | | 102 | 70-130 | 2.99 | 25 | |
| Trichloroethylene | 10.0 | 1.0 | µg/L | 10.0 | | 100 | 70-130 | 3.24 | 25 | |
| Trichlorofluoromethane (Freon 11) | 9.08 | 2.0 | µg/L | 10.0 | | 90.8 | 70-130 | 1.64 | 25 | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | 9.79 | 1.0 | µg/L | 10.0 | | 97.9 | 70-130 | 0.915 | 25 | |
| Vinyl Chloride | 10.9 | 2.0 | µg/L | 10.0 | | 109 | 40-160 | 1.29 | 25 | † |
| m+p Xylene | 20.1 | 2.0 | µg/L | 20.0 | | 100 | 70-130 | 0.700 | 25 | |
| o-Xylene | 10.0 | 1.0 | µg/L | 10.0 | | 100 | 70-130 | 1.41 | 25 | |
| Xylenes (total) | 30.1 | 1.0 | µg/L | 30.0 | | 100 | 0-200 | 0.936 | | |
| Surrogate: 1,2-Dichloroethane-d4 | *23.4* | | µg/L | 25.0 | | 93.4 | 70-130 | | | |
| Surrogate: Toluene-d8 | *25.1* | | µg/L | 25.0 | | 100 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | *24.1* | | µg/L | 25.0 | | 96.5 | 70-130 | | | |
| **Batch B337044 - SW-846 5030B** | | | | | | | | | | |
| **Blank (B337044-BLK1)** | | | | Prepared: 04/13/23 Analyzed: 04/16/23 | | | | | | |
| 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 | | | | | | | |
| tert-Butyl Alcohol (TBA) | ND | 20 | µg/L | | | | | | | |
| Carbon Disulfide | ND | 5.0 | µg/L | | | | | | | |
| Carbon Tetrachloride | ND | 5.0 | µg/L | | | | | | | |
| 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 | | | | | | | |
| 1,4-Dioxane | ND | 50 | 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 B337044 - SW-846 5030B** | | | | | | | | | | |
| **Blank (B337044-BLK1)** | | | | Prepared: 04/13/23 Analyzed: 04/16/23 | | | | | | |
| Ethylbenzene | ND | 1.0 | µg/L | | | | | | | |
| 2-Hexanone (MBK) | ND | 10 | µg/L | | | | | | | |
| Isopropylbenzene (Cumene) | 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 | | | | | | | |
| 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 | | | | | | | |
| 1,1,1-Trichloroethane | ND | 1.0 | µg/L | | | | | | | |
| 1,1,2-Trichloroethane | ND | 1.0 | µg/L | | | | | | | |
| Trichloroethylene | ND | 1.0 | µg/L | | | | | | | |
| Trichlorofluoromethane (Freon 11) | ND | 2.0 | µg/L | | | | | | | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND | 1.0 | µg/L | | | | | | | |
| 1,2,3-Trimethylbenzene | ND | 0.50 | 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 | *24.9* | | µg/L | 25.0 | | 99.7 | 70-130 | | | |
| Surrogate: Toluene-d8 | *24.8* | | µg/L | 25.0 | | 99.0 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | *23.7* | | µg/L | 25.0 | | 94.7 | 70-130 | | | |
| **LCS (B337044-BS1)** | | | | Prepared: 04/13/23 Analyzed: 04/16/23 | | | | | | |
| Acetone | 90.5 | 50 | µg/L | 100 | | 90.5 | 70-160 | | | † |
| Benzene | 10.7 | 1.0 | µg/L | 10.0 | | 107 | 70-130 | | | |
| Bromochloromethane | 10.7 | 1.0 | µg/L | 10.0 | | 107 | 70-130 | | | |
| Bromodichloromethane | 9.63 | 0.50 | µg/L | 10.0 | | 96.3 | 70-130 | | | |
| Bromoform | 8.28 | 1.0 | µg/L | 10.0 | | 82.8 | 70-130 | | | |
| Bromomethane | 11.2 | 2.0 | µg/L | 10.0 | | 112 | 40-160 | | | † |
| 2-Butanone (MEK) | 102 | 20 | µg/L | 100 | | 102 | 40-160 | | | † |
| tert-Butyl Alcohol (TBA) | 76.5 | 20 | µg/L | 100 | | 76.5 | 40-160 | | | † |
| Carbon Disulfide | 93.4 | 5.0 | µg/L | 100 | | 93.4 | 70-130 | | | |
| Carbon Tetrachloride | 9.31 | 5.0 | µg/L | 10.0 | | 93.1 | 70-130 | | | |
| Chlorobenzene | 9.75 | 1.0 | µg/L | 10.0 | | 97.5 | 70-130 | | | |
| Chlorodibromomethane | 8.73 | 0.50 | µg/L | 10.0 | | 87.3 | 70-130 | | | |
| Chloroethane | 9.39 | 2.0 | µg/L | 10.0 | | 93.9 | 70-130 | | | |
| Chloroform | 9.63 | 2.0 | µg/L | 10.0 | | 96.3 | 70-130 | | | |
| Chloromethane | 9.53 | 2.0 | µg/L | 10.0 | | 95.3 | 40-160 | | | † |
| Cyclohexane | 10.5 | 5.0 | µg/L | 10.0 | | 105 | 70-130 | | | |
| 1,2-Dibromo-3-chloropropane (DBCP) | 8.36 | 5.0 | µg/L | 10.0 | | 83.6 | 70-130 | | | |
| 1,2-Dibromoethane (EDB) | 9.80 | 0.50 | µg/L | 10.0 | | 98.0 | 70-130 | | | |
| 1,2-Dichlorobenzene | 9.98 | 1.0 | µg/L | 10.0 | | 99.8 | 70-130 | | | |
| 1,3-Dichlorobenzene | 9.79 | 1.0 | µg/L | 10.0 | | 97.9 | 70-130 | | | |
| 1,4-Dichlorobenzene | 9.27 | 1.0 | µg/L | 10.0 | | 92.7 | 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 B337044 - SW-846 5030B** | | | | | | | | | | |
| **LCS (B337044-BS1)** | | | | Prepared: 04/13/23 Analyzed: 04/16/23 | | | | | | |
| Dichlorodifluoromethane (Freon 12) | 11.1 | 2.0 | µg/L | 10.0 | | 111 | 40-160 | | | † |
| 1,1-Dichloroethane | 9.61 | 1.0 | µg/L | 10.0 | | 96.1 | 70-130 | | | |
| 1,2-Dichloroethane | 9.69 | 1.0 | µg/L | 10.0 | | 96.9 | 70-130 | | | |
| 1,1-Dichloroethylene | 9.23 | 1.0 | µg/L | 10.0 | | 92.3 | 70-130 | | | |
| cis-1,2-Dichloroethylene | 9.21 | 1.0 | µg/L | 10.0 | | 92.1 | 70-130 | | | |
| trans-1,2-Dichloroethylene | 9.07 | 1.0 | µg/L | 10.0 | | 90.7 | 70-130 | | | |
| 1,2-Dichloropropane | 10.5 | 1.0 | µg/L | 10.0 | | 105 | 70-130 | | | |
| cis-1,3-Dichloropropene | 9.18 | 0.50 | µg/L | 10.0 | | 91.8 | 70-130 | | | |
| trans-1,3-Dichloropropene | 9.00 | 0.50 | µg/L | 10.0 | | 90.0 | 70-130 | | | |
| 1,4-Dioxane | 93.4 | 50 | µg/L | 100 | | 93.4 | 40-130 | | | † |
| Ethylbenzene | 10.1 | 1.0 | µg/L | 10.0 | | 101 | 70-130 | | | |
| 2-Hexanone (MBK) | 99.0 | 10 | µg/L | 100 | | 99.0 | 70-160 | | | † |
| Isopropylbenzene (Cumene) | 9.88 | 1.0 | µg/L | 10.0 | | 98.8 | 70-130 | | | |
| Methyl Acetate | 8.12 | 1.0 | µg/L | 10.0 | | 81.2 | 70-130 | | | |
| Methyl tert-Butyl Ether (MTBE) | 9.77 | 1.0 | µg/L | 10.0 | | 97.7 | 70-130 | | | |
| Methyl Cyclohexane | 10.7 | 1.0 | µg/L | 10.0 | | 107 | 70-130 | | | |
| Methylene Chloride | 9.28 | 5.0 | µg/L | 10.0 | | 92.8 | 70-130 | | | |
| 4-Methyl-2-pentanone (MIBK) | 96.2 | 10 | µg/L | 100 | | 96.2 | 70-160 | | | † |
| Styrene | 10.1 | 1.0 | µg/L | 10.0 | | 101 | 70-130 | | | |
| 1,1,2,2-Tetrachloroethane | 8.88 | 0.50 | µg/L | 10.0 | | 88.8 | 70-130 | | | |
| Tetrachloroethylene | 9.74 | 1.0 | µg/L | 10.0 | | 97.4 | 70-130 | | | |
| Toluene | 10.1 | 1.0 | µg/L | 10.0 | | 101 | 70-130 | | | |
| 1,2,3-Trichlorobenzene | 8.65 | 5.0 | µg/L | 10.0 | | 86.5 | 70-130 | | | |
| 1,2,4-Trichlorobenzene | 9.26 | 1.0 | µg/L | 10.0 | | 92.6 | 70-130 | | | |
| 1,1,1-Trichloroethane | 9.44 | 1.0 | µg/L | 10.0 | | 94.4 | 70-130 | | | |
| 1,1,2-Trichloroethane | 9.97 | 1.0 | µg/L | 10.0 | | 99.7 | 70-130 | | | |
| Trichloroethylene | 10.5 | 1.0 | µg/L | 10.0 | | 105 | 70-130 | | | |
| Trichlorofluoromethane (Freon 11) | 9.32 | 2.0 | µg/L | 10.0 | | 93.2 | 70-130 | | | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | 9.59 | 1.0 | µg/L | 10.0 | | 95.9 | 70-130 | | | |
| 1,2,3-Trimethylbenzene | 10.6 | 0.50 | µg/L | 10.0 | | 106 | 70-130 | | | |
| 1,2,4-Trimethylbenzene | 9.79 | 1.0 | µg/L | 10.0 | | 97.9 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 9.77 | 1.0 | µg/L | 10.0 | | 97.7 | 70-130 | | | |
| Vinyl Chloride | 11.3 | 2.0 | µg/L | 10.0 | | 113 | 40-160 | | | † |
| m+p Xylene | 19.8 | 2.0 | µg/L | 20.0 | | 98.9 | 70-130 | | | |
| o-Xylene | 9.95 | 1.0 | µg/L | 10.0 | | 99.5 | 70-130 | | | |
| Xylenes (total) | 29.7 | 1.0 | µg/L | 30.0 | | 99.1 | 0-200 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | *24.4* | | µg/L | 25.0 | | 97.5 | 70-130 | | | |
| Surrogate: Toluene-d8 | *24.9* | | µg/L | 25.0 | | 99.6 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | *23.4* | | µg/L | 25.0 | | 93.4 | 70-130 | | | |
| **LCS Dup (B337044-BSD1)** | | | | Prepared: 04/13/23 Analyzed: 04/16/23 | | | | | | |
| Acetone | 93.9 | 50 | µg/L | 100 | | 93.9 | 70-160 | 3.73 | 25 | † |
| Benzene | 10.4 | 1.0 | µg/L | 10.0 | | 104 | 70-130 | 2.09 | 25 | |
| Bromochloromethane | 10.4 | 1.0 | µg/L | 10.0 | | 104 | 70-130 | 2.57 | 25 | |
| Bromodichloromethane | 9.14 | 0.50 | µg/L | 10.0 | | 91.4 | 70-130 | 5.22 | 25 | |
| Bromoform | 8.11 | 1.0 | µg/L | 10.0 | | 81.1 | 70-130 | 2.07 | 25 | |
| Bromomethane | 10.6 | 2.0 | µg/L | 10.0 | | 106 | 40-160 | 5.04 | 25 | † |
| 2-Butanone (MEK) | 105 | 20 | µg/L | 100 | | 105 | 40-160 | 2.59 | 25 | † |
| tert-Butyl Alcohol (TBA) | 77.1 | 20 | µg/L | 100 | | 77.1 | 40-160 | 0.729 | 25 | † |
| Carbon Disulfide | 91.2 | 5.0 | µg/L | 100 | | 91.2 | 70-130 | 2.37 | 25 | |
| Carbon Tetrachloride | 8.71 | 5.0 | µg/L | 10.0 | | 87.1 | 70-130 | 6.66 | 25 | |
| Chlorobenzene | 9.39 | 1.0 | µg/L | 10.0 | | 93.9 | 70-130 | 3.76 | 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 B337044 - SW-846 5030B** | | | | | | | | | | |
| **LCS Dup (B337044-BSD1)** | | | | Prepared: 04/13/23 Analyzed: 04/16/23 | | | | | | |
| Chlorodibromomethane | 8.42 | 0.50 | µg/L | 10.0 | | 84.2 | 70-130 | 3.62 | 25 | |
| Chloroethane | 8.98 | 2.0 | µg/L | 10.0 | | 89.8 | 70-130 | 4.46 | 25 | |
| Chloroform | 9.43 | 2.0 | µg/L | 10.0 | | 94.3 | 70-130 | 2.10 | 25 | |
| Chloromethane | 9.23 | 2.0 | µg/L | 10.0 | | 92.3 | 40-160 | 3.20 | 25 | † |
| Cyclohexane | 9.81 | 5.0 | µg/L | 10.0 | | 98.1 | 70-130 | 6.79 | 25 | |
| 1,2-Dibromo-3-chloropropane (DBCP) | 8.28 | 5.0 | µg/L | 10.0 | | 82.8 | 70-130 | 0.962 | 25 | |
| 1,2-Dibromoethane (EDB) | 9.79 | 0.50 | µg/L | 10.0 | | 97.9 | 70-130 | 0.102 | 25 | |
| 1,2-Dichlorobenzene | 9.46 | 1.0 | µg/L | 10.0 | | 94.6 | 70-130 | 5.35 | 25 | |
| 1,3-Dichlorobenzene | 9.68 | 1.0 | µg/L | 10.0 | | 96.8 | 70-130 | 1.13 | 25 | |
| 1,4-Dichlorobenzene | 9.09 | 1.0 | µg/L | 10.0 | | 90.9 | 70-130 | 1.96 | 25 | |
| Dichlorodifluoromethane (Freon 12) | 10.6 | 2.0 | µg/L | 10.0 | | 106 | 40-160 | 4.23 | 25 | † |
| 1,1-Dichloroethane | 9.25 | 1.0 | µg/L | 10.0 | | 92.5 | 70-130 | 3.82 | 25 | |
| 1,2-Dichloroethane | 9.32 | 1.0 | µg/L | 10.0 | | 93.2 | 70-130 | 3.89 | 25 | |
| 1,1-Dichloroethylene | 8.76 | 1.0 | µg/L | 10.0 | | 87.6 | 70-130 | 5.23 | 25 | |
| cis-1,2-Dichloroethylene | 8.98 | 1.0 | µg/L | 10.0 | | 89.8 | 70-130 | 2.53 | 25 | |
| trans-1,2-Dichloroethylene | 8.99 | 1.0 | µg/L | 10.0 | | 89.9 | 70-130 | 0.886 | 25 | |
| 1,2-Dichloropropane | 10.2 | 1.0 | µg/L | 10.0 | | 102 | 70-130 | 2.71 | 25 | |
| cis-1,3-Dichloropropene | 8.96 | 0.50 | µg/L | 10.0 | | 89.6 | 70-130 | 2.43 | 25 | |
| trans-1,3-Dichloropropene | 8.96 | 0.50 | µg/L | 10.0 | | 89.6 | 70-130 | 0.445 | 25 | |
| 1,4-Dioxane | 87.3 | 50 | µg/L | 100 | | 87.3 | 40-130 | 6.79 | 50 | † ‡ |
| Ethylbenzene | 9.65 | 1.0 | µg/L | 10.0 | | 96.5 | 70-130 | 4.36 | 25 | |
| 2-Hexanone (MBK) | 98.6 | 10 | µg/L | 100 | | 98.6 | 70-160 | 0.374 | 25 | † |
| Isopropylbenzene (Cumene) | 9.38 | 1.0 | µg/L | 10.0 | | 93.8 | 70-130 | 5.19 | 25 | |
| Methyl Acetate | 8.21 | 1.0 | µg/L | 10.0 | | 82.1 | 70-130 | 1.10 | 25 | |
| Methyl tert-Butyl Ether (MTBE) | 9.72 | 1.0 | µg/L | 10.0 | | 97.2 | 70-130 | 0.513 | 25 | |
| Methyl Cyclohexane | 10.2 | 1.0 | µg/L | 10.0 | | 102 | 70-130 | 5.17 | 25 | |
| Methylene Chloride | 9.01 | 5.0 | µg/L | 10.0 | | 90.1 | 70-130 | 2.95 | 25 | |
| 4-Methyl-2-pentanone (MIBK) | 97.0 | 10 | µg/L | 100 | | 97.0 | 70-160 | 0.808 | 25 | † |
| Styrene | 9.51 | 1.0 | µg/L | 10.0 | | 95.1 | 70-130 | 5.62 | 25 | |
| 1,1,2,2-Tetrachloroethane | 8.78 | 0.50 | µg/L | 10.0 | | 87.8 | 70-130 | 1.13 | 25 | |
| Tetrachloroethylene | 9.19 | 1.0 | µg/L | 10.0 | | 91.9 | 70-130 | 5.81 | 25 | |
| Toluene | 9.79 | 1.0 | µg/L | 10.0 | | 97.9 | 70-130 | 3.02 | 25 | |
| 1,2,3-Trichlorobenzene | 8.75 | 5.0 | µg/L | 10.0 | | 87.5 | 70-130 | 1.15 | 25 | |
| 1,2,4-Trichlorobenzene | 8.84 | 1.0 | µg/L | 10.0 | | 88.4 | 70-130 | 4.64 | 25 | |
| 1,1,1-Trichloroethane | 9.04 | 1.0 | µg/L | 10.0 | | 90.4 | 70-130 | 4.33 | 25 | |
| 1,1,2-Trichloroethane | 9.60 | 1.0 | µg/L | 10.0 | | 96.0 | 70-130 | 3.78 | 25 | |
| Trichloroethylene | 9.82 | 1.0 | µg/L | 10.0 | | 98.2 | 70-130 | 6.98 | 25 | |
| Trichlorofluoromethane (Freon 11) | 8.83 | 2.0 | µg/L | 10.0 | | 88.3 | 70-130 | 5.40 | 25 | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | 8.82 | 1.0 | µg/L | 10.0 | | 88.2 | 70-130 | 8.37 | 25 | |
| 1,2,3-Trimethylbenzene | 9.94 | 0.50 | µg/L | 10.0 | | 99.4 | 70-130 | 6.05 | 25 | |
| 1,2,4-Trimethylbenzene | 9.28 | 1.0 | µg/L | 10.0 | | 92.8 | 70-130 | 5.35 | 25 | |
| 1,3,5-Trimethylbenzene | 9.38 | 1.0 | µg/L | 10.0 | | 93.8 | 70-130 | 4.07 | 25 | |
| Vinyl Chloride | 10.5 | 2.0 | µg/L | 10.0 | | 105 | 40-160 | 7.52 | 25 | † |
| m+p Xylene | 18.9 | 2.0 | µg/L | 20.0 | | 94.7 | 70-130 | 4.34 | 25 | |
| o-Xylene | 9.46 | 1.0 | µg/L | 10.0 | | 94.6 | 70-130 | 5.05 | 25 | |
| Xylenes (total) | 28.4 | 1.0 | µg/L | 30.0 | | 94.7 | 0-200 | 4.58 | | |
| Surrogate: 1,2-Dichloroethane-d4 | *24.6* | | µg/L | 25.0 | | 98.3 | 70-130 | | | |
| Surrogate: Toluene-d8 | *24.7* | | µg/L | 25.0 | | 98.8 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | *23.8* | | µg/L | 25.0 | | 95.3 | 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 B337044 - SW-846 5030B** | | | | | | | | | | | |
| **Matrix Spike (B337044-MS1)** | **Source: 23D0848-01** | | | Prepared: 04/13/23 Analyzed: 04/16/23 | | | | | | | |
| Acetone | 90.9 | 50 | µg/L | 100 | ND | 90.9 | | 70-130 | | | |
| Benzene | 9.72 | 1.0 | µg/L | 10.0 | ND | 97.2 | | 70-130 | | | |
| Bromochloromethane | 10.8 | 1.0 | µg/L | 10.0 | ND | 108 | | 70-130 | | | |
| Bromodichloromethane | 8.86 | 0.50 | µg/L | 10.0 | ND | 88.6 | | 70-130 | | | |
| Bromoform | 7.24 | 1.0 | µg/L | 10.0 | ND | 72.4 | | 70-130 | | | |
| Bromomethane | 9.59 | 2.0 | µg/L | 10.0 | ND | 95.9 | | 70-130 | | | |
| 2-Butanone (MEK) | 96.7 | 20 | µg/L | 100 | ND | 96.7 | | 70-130 | | | |
| Carbon Disulfide | 87.0 | 5.0 | µg/L | 100 | ND | 87.0 | | 70-130 | | | |
| Carbon Tetrachloride | 9.56 | 5.0 | µg/L | 10.0 | ND | 95.6 | | 70-130 | | | |
| Chlorobenzene | 8.20 | 1.0 | µg/L | 10.0 | ND | 82.0 | | 70-130 | | | |
| Chlorodibromomethane | 8.32 | 0.50 | µg/L | 10.0 | ND | 83.2 | | 70-130 | | | |
| Chloroethane | 9.10 | 2.0 | µg/L | 10.0 | ND | 91.0 | | 70-130 | | | |
| Chloroform | 12.2 | 2.0 | µg/L | 10.0 | 2.38 | 97.7 | | 70-130 | | | |
| Chloromethane | 9.49 | 2.0 | µg/L | 10.0 | ND | 94.9 | | 70-130 | | | |
| Cyclohexane | 10.4 | 5.0 | µg/L | 10.0 | ND | 104 | | 70-130 | | | |
| 1,2-Dibromo-3-chloropropane (DBCP) | 7.54 | 5.0 | µg/L | 10.0 | ND | 75.4 | | 70-130 | | | |
| 1,2-Dibromoethane (EDB) | 8.99 | 0.50 | µg/L | 10.0 | ND | 89.9 | | 70-130 | | | |
| 1,2-Dichlorobenzene | 8.57 | 1.0 | µg/L | 10.0 | ND | 85.7 | | 70-130 | | | |
| 1,3-Dichlorobenzene | 8.40 | 1.0 | µg/L | 10.0 | ND | 84.0 | | 70-130 | | | |
| 1,4-Dichlorobenzene | 8.32 | 1.0 | µg/L | 10.0 | ND | 83.2 | | 70-130 | | | |
| Dichlorodifluoromethane (Freon 12) | 10.7 | 2.0 | µg/L | 10.0 | ND | 107 | | 70-130 | | | |
| 1,1-Dichloroethane | 9.52 | 1.0 | µg/L | 10.0 | ND | 95.2 | | 70-130 | | | |
| 1,2-Dichloroethane | 9.41 | 1.0 | µg/L | 10.0 | ND | 94.1 | | 70-130 | | | |
| 1,1-Dichloroethylene | 9.22 | 1.0 | µg/L | 10.0 | ND | 92.2 | | 70-130 | | | |
| cis-1,2-Dichloroethylene | 8.73 | 1.0 | µg/L | 10.0 | ND | 87.3 | | 70-130 | | | |
| trans-1,2-Dichloroethylene | 8.59 | 1.0 | µg/L | 10.0 | ND | 85.9 | | 70-130 | | | |
| 1,2-Dichloropropane | 9.58 | 1.0 | µg/L | 10.0 | ND | 95.8 | | 70-130 | | | |
| cis-1,3-Dichloropropene | 7.60 | 0.50 | µg/L | 10.0 | ND | 76.0 | | 70-130 | | | |
| trans-1,3-Dichloropropene | 7.59 | 0.50 | µg/L | 10.0 | ND | 75.9 | | 70-130 | | | |
| 1,4-Dioxane | 75.9 | 50 | µg/L | 100 | ND | 75.9 | | 70-130 | | | |
| Ethylbenzene | 8.95 | 1.0 | µg/L | 10.0 | ND | 89.5 | | 70-130 | | | |
| 2-Hexanone (MBK) | 90.5 | 10 | µg/L | 100 | ND | 90.5 | | 70-130 | | | |
| Isopropylbenzene (Cumene) | 8.52 | 1.0 | µg/L | 10.0 | ND | 85.2 | | 70-130 | | | |
| **Methyl Acetate** | 4.32 | 1.0 | µg/L | 10.0 | ND | **43.2** | * | 70-130 | | | |
| Methyl tert-Butyl Ether (MTBE) | 9.19 | 1.0 | µg/L | 10.0 | ND | 91.9 | | 70-130 | | | |
| Methyl Cyclohexane | 9.22 | 1.0 | µg/L | 10.0 | ND | 92.2 | | 70-130 | | | |
| Methylene Chloride | 9.14 | 5.0 | µg/L | 10.0 | ND | 91.4 | | 70-130 | | | |
| 4-Methyl-2-pentanone (MIBK) | 92.1 | 10 | µg/L | 100 | ND | 92.1 | | 70-130 | | | |
| Styrene | 8.22 | 1.0 | µg/L | 10.0 | ND | 82.2 | | 70-130 | | | |
| 1,1,2,2-Tetrachloroethane | 8.06 | 0.50 | µg/L | 10.0 | ND | 80.6 | | 70-130 | | | |
| Tetrachloroethylene | 12.8 | 1.0 | µg/L | 10.0 | 4.14 | 86.4 | | 70-130 | | | |
| Toluene | 9.28 | 1.0 | µg/L | 10.0 | ND | 92.8 | | 70-130 | | | |
| **1,2,3-Trichlorobenzene** | 6.41 | 5.0 | µg/L | 10.0 | ND | **64.1** | * | 70-130 | | | |
| 1,2,4-Trichlorobenzene | 7.11 | 1.0 | µg/L | 10.0 | ND | 71.1 | | 70-130 | | | |
| 1,1,1-Trichloroethane | 9.60 | 1.0 | µg/L | 10.0 | ND | 96.0 | | 70-130 | | | |
| 1,1,2-Trichloroethane | 8.94 | 1.0 | µg/L | 10.0 | ND | 89.4 | | 70-130 | | | |
| Trichloroethylene | 9.11 | 1.0 | µg/L | 10.0 | ND | 91.1 | | 70-130 | | | |
| Trichlorofluoromethane (Freon 11) | 9.52 | 2.0 | µg/L | 10.0 | ND | 95.2 | | 70-130 | | | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | 9.13 | 1.0 | µg/L | 10.0 | ND | 91.3 | | 70-130 | | | |
| Vinyl Chloride | 10.8 | 2.0 | µg/L | 10.0 | ND | 108 | | 70-130 | | | |
| m+p Xylene | 18.4 | 2.0 | µg/L | 20.0 | ND | 92.0 | | 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 B337044 - SW-846 5030B** | | | | | | | | | | | |
| **Matrix Spike (B337044-MS1)** | **Source: 23D0848-01** | | | Prepared: 04/13/23 Analyzed: 04/16/23 | | | | | | | |
| o-Xylene | 8.73 | 1.0 | µg/L | 10.0 | ND | 87.3 | | 70-130 | | | |
| Xylenes (total) | 27.1 | 1.0 | µg/L | 30.0 | ND | 90.4 | | 0-200 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | *26.8* | | µg/L | 25.0 | | 107 | | 70-130 | | | |
| Surrogate: Toluene-d8 | *25.6* | | µg/L | 25.0 | | 102 | | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | *23.4* | | µg/L | 25.0 | | 93.8 | | 70-130 | | | |
| **Matrix Spike Dup (B337044-MSD1)** | **Source: 23D0848-01** | | | Prepared: 04/13/23 Analyzed: 04/16/23 | | | | | | | |
| Acetone | 89.2 | 50 | µg/L | 100 | ND | 89.2 | | 70-130 | 1.89 | 30 | |
| Benzene | 9.70 | 1.0 | µg/L | 10.0 | ND | 97.0 | | 70-130 | 0.206 | 30 | |
| Bromochloromethane | 10.3 | 1.0 | µg/L | 10.0 | ND | 103 | | 70-130 | 4.17 | 30 | |
| Bromodichloromethane | 9.09 | 0.50 | µg/L | 10.0 | ND | 90.9 | | 70-130 | 2.56 | 30 | |
| Bromoform | 7.27 | 1.0 | µg/L | 10.0 | ND | 72.7 | | 70-130 | 0.414 | 30 | |
| Bromomethane | 9.49 | 2.0 | µg/L | 10.0 | ND | 94.9 | | 70-130 | 1.05 | 30 | |
| 2-Butanone (MEK) | 97.2 | 20 | µg/L | 100 | ND | 97.2 | | 70-130 | 0.547 | 30 | |
| Carbon Disulfide | 87.3 | 5.0 | µg/L | 100 | ND | 87.3 | | 70-130 | 0.298 | 30 | |
| Carbon Tetrachloride | 9.64 | 5.0 | µg/L | 10.0 | ND | 96.4 | | 70-130 | 0.833 | 30 | |
| Chlorobenzene | 8.47 | 1.0 | µg/L | 10.0 | ND | 84.7 | | 70-130 | 3.24 | 30 | |
| Chlorodibromomethane | 7.99 | 0.50 | µg/L | 10.0 | ND | 79.9 | | 70-130 | 4.05 | 30 | |
| Chloroethane | 8.93 | 2.0 | µg/L | 10.0 | ND | 89.3 | | 70-130 | 1.89 | 30 | |
| Chloroform | 11.6 | 2.0 | µg/L | 10.0 | 2.38 | 91.8 | | 70-130 | 4.98 | 30 | |
| Chloromethane | 9.68 | 2.0 | µg/L | 10.0 | ND | 96.8 | | 70-130 | 1.98 | 30 | |
| Cyclohexane | 10.2 | 5.0 | µg/L | 10.0 | ND | 102 | | 70-130 | 1.55 | 30 | |
| 1,2-Dibromo-3-chloropropane (DBCP) | 7.67 | 5.0 | µg/L | 10.0 | ND | 76.7 | | 70-130 | 1.71 | 30 | |
| 1,2-Dibromoethane (EDB) | 8.36 | 0.50 | µg/L | 10.0 | ND | 83.6 | | 70-130 | 7.26 | 30 | |
| 1,2-Dichlorobenzene | 8.27 | 1.0 | µg/L | 10.0 | ND | 82.7 | | 70-130 | 3.56 | 30 | |
| 1,3-Dichlorobenzene | 8.23 | 1.0 | µg/L | 10.0 | ND | 82.3 | | 70-130 | 2.04 | 30 | |
| 1,4-Dichlorobenzene | 7.89 | 1.0 | µg/L | 10.0 | ND | 78.9 | | 70-130 | 5.31 | 30 | |
| Dichlorodifluoromethane (Freon 12) | 11.1 | 2.0 | µg/L | 10.0 | ND | 111 | | 70-130 | 3.85 | 30 | |
| 1,1-Dichloroethane | 9.24 | 1.0 | µg/L | 10.0 | ND | 92.4 | | 70-130 | 2.99 | 30 | |
| 1,2-Dichloroethane | 9.00 | 1.0 | µg/L | 10.0 | ND | 90.0 | | 70-130 | 4.45 | 30 | |
| 1,1-Dichloroethylene | 9.49 | 1.0 | µg/L | 10.0 | ND | 94.9 | | 70-130 | 2.89 | 30 | |
| cis-1,2-Dichloroethylene | 8.64 | 1.0 | µg/L | 10.0 | ND | 86.4 | | 70-130 | 1.04 | 30 | |
| trans-1,2-Dichloroethylene | 8.56 | 1.0 | µg/L | 10.0 | ND | 85.6 | | 70-130 | 0.350 | 30 | |
| 1,2-Dichloropropane | 9.52 | 1.0 | µg/L | 10.0 | ND | 95.2 | | 70-130 | 0.628 | 30 | |
| cis-1,3-Dichloropropene | 7.34 | 0.50 | µg/L | 10.0 | ND | 73.4 | | 70-130 | 3.48 | 30 | |
| trans-1,3-Dichloropropene | 7.45 | 0.50 | µg/L | 10.0 | ND | 74.5 | | 70-130 | 1.86 | 30 | |
| 1,4-Dioxane | 77.8 | 50 | µg/L | 100 | ND | 77.8 | | 70-130 | 2.53 | 30 | |
| Ethylbenzene | 8.86 | 1.0 | µg/L | 10.0 | ND | 88.6 | | 70-130 | 1.01 | 30 | |
| 2-Hexanone (MBK) | 91.5 | 10 | µg/L | 100 | ND | 91.5 | | 70-130 | 1.04 | 30 | |
| Isopropylbenzene (Cumene) | 8.29 | 1.0 | µg/L | 10.0 | ND | 82.9 | | 70-130 | 2.74 | 30 | |
| **Methyl Acetate** | 4.35 | 1.0 | µg/L | 10.0 | ND | **43.5** | * | 70-130 | 0.692 | 30 | |
| Methyl tert-Butyl Ether (MTBE) | 9.07 | 1.0 | µg/L | 10.0 | ND | 90.7 | | 70-130 | 1.31 | 30 | |
| Methyl Cyclohexane | 9.23 | 1.0 | µg/L | 10.0 | ND | 92.3 | | 70-130 | 0.108 | 30 | |
| Methylene Chloride | 9.27 | 5.0 | µg/L | 10.0 | ND | 92.7 | | 70-130 | 1.41 | 30 | |
| 4-Methyl-2-pentanone (MIBK) | 88.9 | 10 | µg/L | 100 | ND | 88.9 | | 70-130 | 3.54 | 30 | |
| Styrene | 8.30 | 1.0 | µg/L | 10.0 | ND | 83.0 | | 70-130 | 0.969 | 30 | |
| 1,1,2,2-Tetrachloroethane | 7.71 | 0.50 | µg/L | 10.0 | ND | 77.1 | | 70-130 | 4.44 | 30 | |
| Tetrachloroethylene | 12.3 | 1.0 | µg/L | 10.0 | 4.14 | 81.7 | | 70-130 | 3.75 | 30 | |
| Toluene | 8.90 | 1.0 | µg/L | 10.0 | ND | 89.0 | | 70-130 | 4.18 | 30 | |
| **1,2,3-Trichlorobenzene** | 6.27 | 5.0 | µg/L | 10.0 | ND | **62.7** | * | 70-130 | 2.21 | 30 | |
| **1,2,4-Trichlorobenzene** | 6.92 | 1.0 | µg/L | 10.0 | ND | **69.2** | * | 70-130 | 2.71 | 30 | |
| 1,1,1-Trichloroethane | 9.61 | 1.0 | µg/L | 10.0 | ND | 96.1 | | 70-130 | 0.104 | 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 B337044 - SW-846 5030B** | | | | | | | | | | |
| **Matrix Spike Dup (B337044-MSD1)** | **Source: 23D0848-01** | | | Prepared: 04/13/23 Analyzed: 04/16/23 | | | | | | |
| 1,1,2-Trichloroethane | 8.74 | 1.0 | µg/L | 10.0 | ND | 87.4 | 70-130 | 2.26 | 30 | |
| Trichloroethylene | 8.91 | 1.0 | µg/L | 10.0 | ND | 89.1 | 70-130 | 2.22 | 30 | |
| Trichlorofluoromethane (Freon 11) | 9.29 | 2.0 | µg/L | 10.0 | ND | 92.9 | 70-130 | 2.45 | 30 | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | 9.05 | 1.0 | µg/L | 10.0 | ND | 90.5 | 70-130 | 0.880 | 30 | |
| Vinyl Chloride | 10.9 | 2.0 | µg/L | 10.0 | ND | 109 | 70-130 | 0.739 | 30 | |
| m+p Xylene | 17.2 | 2.0 | µg/L | 20.0 | ND | 85.9 | 70-130 | 6.86 | 20 | |
| o-Xylene | 8.40 | 1.0 | µg/L | 10.0 | ND | 84.0 | 70-130 | 3.85 | 30 | |
| Xylenes (total) | 25.6 | 1.0 | µg/L | 30.0 | ND | 85.3 | 0-200 | 5.88 | | |
| Surrogate: 1,2-Dichloroethane-d4 | *27.3* | | µg/L | 25.0 | | 109 | 70-130 | | | |
| Surrogate: Toluene-d8 | *24.8* | | µg/L | 25.0 | | 99.4 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | *23.9* | | µg/L | 25.0 | | 95.5 | 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). |
| RL-11 | Elevated reporting limit due to high concentration of target compounds. |
| V-05 | Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound. |

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**CERTIFICATIONS**

**Certified Analyses included in this Report**

| Analyte | Certifications |
|---|---|
| ***SW-846 8260D in Water*** | |
| 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 |
| 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 |
| 1,4-Dioxane | ME,NY |
| Ethylbenzene | CT,ME,NH,VA,NY |
| 2-Hexanone (MBK) | CT,ME,NH,VA,NY |
| Isopropylbenzene (Cumene) | ME,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 |
| 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 |
| 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 |

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**CERTIFICATIONS**

**Certified Analyses included in this Report**

| Analyte | Certifications |
|---|---|
| ***SW-846 8260D in Water*** | |
| Trichlorofluoromethane (Freon 11) | CT,ME,NH,VA,NY |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | VA,NY |
| Vinyl Chloride | 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 | 04/1/2024 |
| NH | New Hampshire Environmental Lab | 2516 NELAP | 02/5/2024 |
| ME | State of Maine | MA00100 | 06/9/2023 |
| VA | Commonwealth of Virginia | 460217 | 12/14/2023 |

230848

# CHAIN OF CUSTODY

**Client: New York State Dept. of Environmental Conservation**

PAGE 1 OF 1

| FED-EX Tracking # | Bottle Order Control # |
|---|---|
| Lab Quote # | Lab Job # |

| CLIENT/REPORTING INFORMATION | PROJECT INFORMATION | BILLING INFORMATION |
|---|---|---|
| Groundwater & Environmental Services, Inc.<br>495 Aero Drive, Cheektowaga, NY 14225<br>**Project Manager:** Thomas Palmer **Phone #:** 800-287-7857<br>**PM Email:** tpalmer@gesonline.com **Fax #:** 866-902-2187 | **Project Name:** NYSDEC/Kennedy/NY/StateRte394/683<br>**Project Address:** 683 Route 394, Kennedy, NY<br>**Project PSID #:** 825915 | NYSDEC Region 8<br>NYSDEC Project Manager: Meghan Kucza<br>Phone #: 716-851-7200<br>**Invoice Instructions**<br>NYSDEC Site No. C915208A<br>Lab Project Manager: Kaitlyn Feliciano |

Sampler(s) Name: Barbara Delaney

Sampler(s) Name:

| Lab Sample # | Field ID / Point of Collection (Sys_loc_code) | Depth Interval (ft) | Date Sampled | Time Sampled | Sampler | Matrix | Total # Bottles | number of preserved bottles: HCl | NaOH | HNO3 | H2SO4 | NONE | DI Water | Methanol | ENCORE | Amber | REQUESTED ANALYSIS (see Test Code sheet): TCL VOCs via Method 8260 | MS/MSD | LAB USE ONLY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | MW-27S | - | 4/6/23 | 0935 | BD | GW | 6 | 6 | | | | | | | | | X | X | |
| 2 | DUP-1 | - | 4/6/23 | 0935 | BD | GW | 2 | 2 | | | | | | | | | X | | |
| 3 | MW-26S | - | 4/6/23 | 1105 | BD | GW | 2 | 2 | | | | | | | | | X | | |
| 4 | MW-25S | - | 4/6/23 | 1246 | BD | GW | 2 | 2 | | | | | | | | | X | | |
| 5 | MW-23D | - | 4/6/23 | 1515 | BD | GW | 2 | 2 | | | | | | | | | X | | |

**Turnaround Time (Business Days) Approved By (Lab PM) / Date**

- [x] Standard _____/
- [ ] 1 day RUSH _____/
- [x] Other 14 day TA _____/

**Laboratory Information**

**Lab:** ConTest Pace Analytical
**Address:** 39 Spruce St. East Longmeadow, MA 01028
**Phone:** 413.525.2332 or 413.885.8837
**Lab PM:** Kaitlyn Feliciano
**Lab PM Email:** Kaitlyn.feliciano@pacelabs.com

**Data Deliverable Information**

- [ ] Commercial 'A' (Level 1) = Results Only
- [ ] Commercial 'B" (Level 2) = Results + QC Summary
- [ ] FULLT1 (Level 3 & 4)
- [ ] NJ Reduced = Results + QC Summary + Partial Raw Data
- [ ] Commercial 'C'
- [ ] *NJ Data of Known Quality Protocol Reporting*
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [x] EQEDD (for GES)
- [x] NYDEC EDD (for NYSDEC)

**Please Email the EQ EDD Package to ges@equisonline.com**

**EQEDD Name:** NYSDEC/Kennedy/NY/StateRte394/683_LabReport#.30006.EQEDD.zip

**Sample Custody must be documented below each time samples change possession, including courier.**

| | Relinquished By Sampler: | Date / Time: | Received By: |
|---|---|---|---|
| 1 | Barbara Delany | 4/6/2023 1540 | OGW 4.7.23 |
| 2 | Relinquished By : | Date / Time: | Received By: |
| 3 | Relinquished By : | Date / Time: | Received By: |

Custody Seal Number: [ ] Intact [ ] Not Intact [x] Preserved where applicable [x] On Ice Cooler Temp 3.6°C

FedEx® Tracking

**DELIVERED**

# Friday

4/7/2023 at 9:14 am

Signed for by: L.ARROYO

Obtain Proof of delivery

**DELIVERY STATUS**

Delivered

**TRACKING ID**

791346669194

**FROM**
AMHERST, NY US

*Label Created*
3/29/2023 10:02 AM

**PACKAGE RECEIVED BY FEDEX**
CHEEKTOWAGA, NY
4/6/2023 4:18 PM

**IN TRANSIT**
WINDSOR LOCKS, CT
4/7/2023 7:53 AM

**OUT FOR DELIVERY**
WINDSOR LOCKS, CT
4/7/2023 8:01 AM

**DELIVERED**
East Longmeadow, MA US

*Delivered*
4/7/2023 at 9:14 AM

View travel history

Want updates on this shipment? Enter your email and we will do the rest!

**YOUR EMAIL**

**SUBMIT**

MORE OPTIONS

Manage Delivery

Shipment facts

39 Spruce St.
East Longmeadow, MA. 01028
P: 413-525-2332
F:413-525-6405
www.pacelabs.com



# 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

PEOPLE ADVANCING SCIENCE

Client GES

Project N/A

MCP/RCP Required N/A

Deliverable Package Req. N/A

Location 683 Route 3A, Hanover, MA

PWSID# (When Applicable) N/A

Arrival Method:

Courier ☐ Fed Ex ☑ Walk In ☐ Other ☐

Received By / Date / Time ALYSSA 4/7/23 9:14

Back-Sheet By / Date / Time LA 4/7/23 1345

Temperature Method Gun #5

Temp ☐ < 6° C Actual Temperature 3.6

Rush Samples: Yes / (No) Notify

Short Hold: Yes / (No) Notify

**Notes regarding Samples/COC outside of SOP:**

| | 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 | ☐ | ☐ |
| MS/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: (N/A) ☐ ☐

| Container (Circle when applicable) | UnP | HCl | HNO3 | H2SO4 | NaOH | Trizma | NaS2O3 | Other Preservative |
|---|---|---|---|---|---|---|---|---|
| 1L Amber Plastic | | | | | | | | |
| 500 mL Amber Plastic | | | | | | | | |
| 250 mL Amber Plastic | | | | | | | | |
| Other Amber Clear Plastic | | | | | | | | |
| 16oz Amber Clear | | | | | | | | |
| 8oz Amber Clear | | | | | | | | |
| 4oz Amber Clear | | | | | | | | |
| 2oz Amber Clear | | | | | | | | |
| Col/Bacteria | | | | | | | | |
| Flashpoint | | | | | | | | |
| Plastic Bag | | | | | | | | |
| SOC Kit | | | | | | | | |
| Perchlorate | | | | | | | | |
| Encore | | | | | | | | |
| Frozen | | | | | | | | |

| | Proper Headspace | UnP | HCl | MeOH | Bisulfate | DI | Thiosulfate | Sulfuric | Other |
|---|---|---|---|---|---|---|---|---|---|
| Vials | N/A | | 4 | | | | | | |

VOA

# SAMPLE DATA

# 1 - FORM I
# ANALYSIS DATA SHEET

## MW-27S

| | | | | | |
|---|---|---|---|---|---|
| Laboratory: | Pace New England | | | Work Order: | 23D0848 |
| Client: | NYDEC_GES - Amherst, NY | | | Project: | 275 Franklin St, Buffalo, NY - CO 144192 |
| Matrix: | Ground Water | Laboratory ID: | 23D0848-01 | File ID: | C22V10496.D |
| Sampled: | 04/06/23 09:35 | Prepared: | 04/13/23 07:13 | Analyzed: | 04/16/23 04:54 |
| Solids: | | Preparation: | SW-846 5030B | Dilution: | 1 |
| Initial/Final: | 5 mL / 5 mL | | | | |
| Batch: | B337044 | Sequence: | S086046 | Calibration: | 2200537 | Instrument: | GCMSVOA3 |

| CAS NO. | COMPOUND | CONC. (µg/L) | MDL | RL | Q |
|---|---|---|---|---|---|
| 67-64-1 | Acetone | | 2.0 | 50 | |
| 71-43-2 | Benzene | | 0.18 | 1.0 | |
| 74-97-5 | Bromochloromethane | | 0.28 | 1.0 | |
| 75-27-4 | Bromodichloromethane | | 0.16 | 0.50 | |
| 75-25-2 | Bromoform | | 0.41 | 1.0 | |
| 74-83-9 | Bromomethane | | 1.3 | 2.0 | |
| 78-93-3 | 2-Butanone (MEK) | | 1.7 | 20 | |
| 75-15-0 | Carbon Disulfide | | 1.6 | 5.0 | |
| 56-23-5 | Carbon Tetrachloride | | 0.16 | 5.0 | |
| 108-90-7 | Chlorobenzene | | 0.12 | 1.0 | |
| 124-48-1 | Chlorodibromomethane | | 0.20 | 0.50 | |
| 75-00-3 | Chloroethane | | 0.34 | 2.0 | |
| 67-66-3 | Chloroform | 2.4 | 0.14 | 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) | | 0.85 | 5.0 | |
| 106-93-4 | 1,2-Dibromoethane (EDB) | | 0.16 | 0.50 | |
| 95-50-1 | 1,2-Dichlorobenzene | | 0.13 | 1.0 | |
| 541-73-1 | 1,3-Dichlorobenzene | | 0.14 | 1.0 | |
| 106-46-7 | 1,4-Dichlorobenzene | | 0.13 | 1.0 | |
| 75-71-8 | Dichlorodifluoromethane (Freon 12) | | 0.16 | 2.0 | |
| 75-34-3 | 1,1-Dichloroethane | | 0.14 | 1.0 | |
| 107-06-2 | 1,2-Dichloroethane | | 0.30 | 1.0 | |
| 75-35-4 | 1,1-Dichloroethylene | | 0.14 | 1.0 | |
| 156-59-2 | cis-1,2-Dichloroethylene | | 0.14 | 1.0 | |
| 156-60-5 | trans-1,2-Dichloroethylene | | 0.17 | 1.0 | |
| 78-87-5 | 1,2-Dichloropropane | | 0.19 | 1.0 | |
| 10061-01-5 | cis-1,3-Dichloropropene | | 0.16 | 0.50 | |
| 10061-02-6 | trans-1,3-Dichloropropene | | 0.14 | 0.50 | |
| 123-91-1 | 1,4-Dioxane | | 18 | 50 | |

# 1 - FORM I
# ANALYSIS DATA SHEET

## MW-27S

| | | | | | |
|---|---|---|---|---|---|
| Laboratory: | Pace New England | | | Work Order: | 23D0848 |
| Client: | NYDEC_GES - Amherst, NY | | | Project: | 275 Franklin St, Buffalo, NY - CO 144192 |
| Matrix: | Ground Water | Laboratory ID: | 23D0848-01 | File ID: | C22V10496.D |
| Sampled: | 04/06/23 09:35 | Prepared: | 04/13/23 07:13 | Analyzed: | 04/16/23 04:54 |
| Solids: | | Preparation: | SW-846 5030B | Dilution: | 1 |
| Initial/Final: | 5 mL / 5 mL | | | | |
| Batch: | B337044 | Sequence: | S086046 | Calibration: | 2200537 |
| Instrument: | GCMSVOA3 | | | | |

| CAS NO. | COMPOUND | CONC. (µg/L) | MDL | RL | Q |
|---|---|---|---|---|---|
| 100-41-4 | Ethylbenzene | | 0.22 | 1.0 | |
| 591-78-6 | 2-Hexanone (MBK) | | 1.2 | 10 | |
| 98-82-8 | Isopropylbenzene (Cumene) | | 0.15 | 1.0 | |
| 79-20-9 | Methyl Acetate | | 0.61 | 1.0 | |
| 1634-04-4 | Methyl tert-Butyl Ether (MTBE) | | 0.17 | 1.0 | |
| 108-87-2 | Methyl Cyclohexane | | 0.16 | 1.0 | |
| 75-09-2 | Methylene Chloride | | 0.18 | 5.0 | |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | | 1.3 | 10 | |
| 100-42-5 | Styrene | | 0.15 | 1.0 | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | | 0.14 | 0.50 | |
| 127-18-4 | Tetrachloroethylene | 4.1 | 0.17 | 1.0 | |
| 108-88-3 | Toluene | | 0.22 | 1.0 | |
| 87-61-6 | 1,2,3-Trichlorobenzene | | 0.34 | 5.0 | |
| 120-82-1 | 1,2,4-Trichlorobenzene | | 0.30 | 1.0 | |
| 71-55-6 | 1,1,1-Trichloroethane | | 0.15 | 1.0 | |
| 79-00-5 | 1,1,2-Trichloroethane | | 0.19 | 1.0 | |
| 79-01-6 | Trichloroethylene | | 0.17 | 1.0 | |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | | 0.15 | 2.0 | |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1 | | 0.21 | 1.0 | |
| 75-01-4 | Vinyl Chloride | | 0.24 | 2.0 | |
| 1330-20-7 | Xylenes (total) | | 1.0 | 1.0 | |

Data Path : C:\msdchem\1\data\C041423\
Data File : C22V10496.D
Acq On : 16 Apr 2023 4:54 am
Operator :
Sample : 23D0848-01 Inst : GCMSVOA3
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Apr 17 10:01:26 2023
Quant Method : C:\msdchem\1\methods\C080822.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
QLast Update : Thu Dec 08 06:26:11 2022
Response via : Initial Calibration

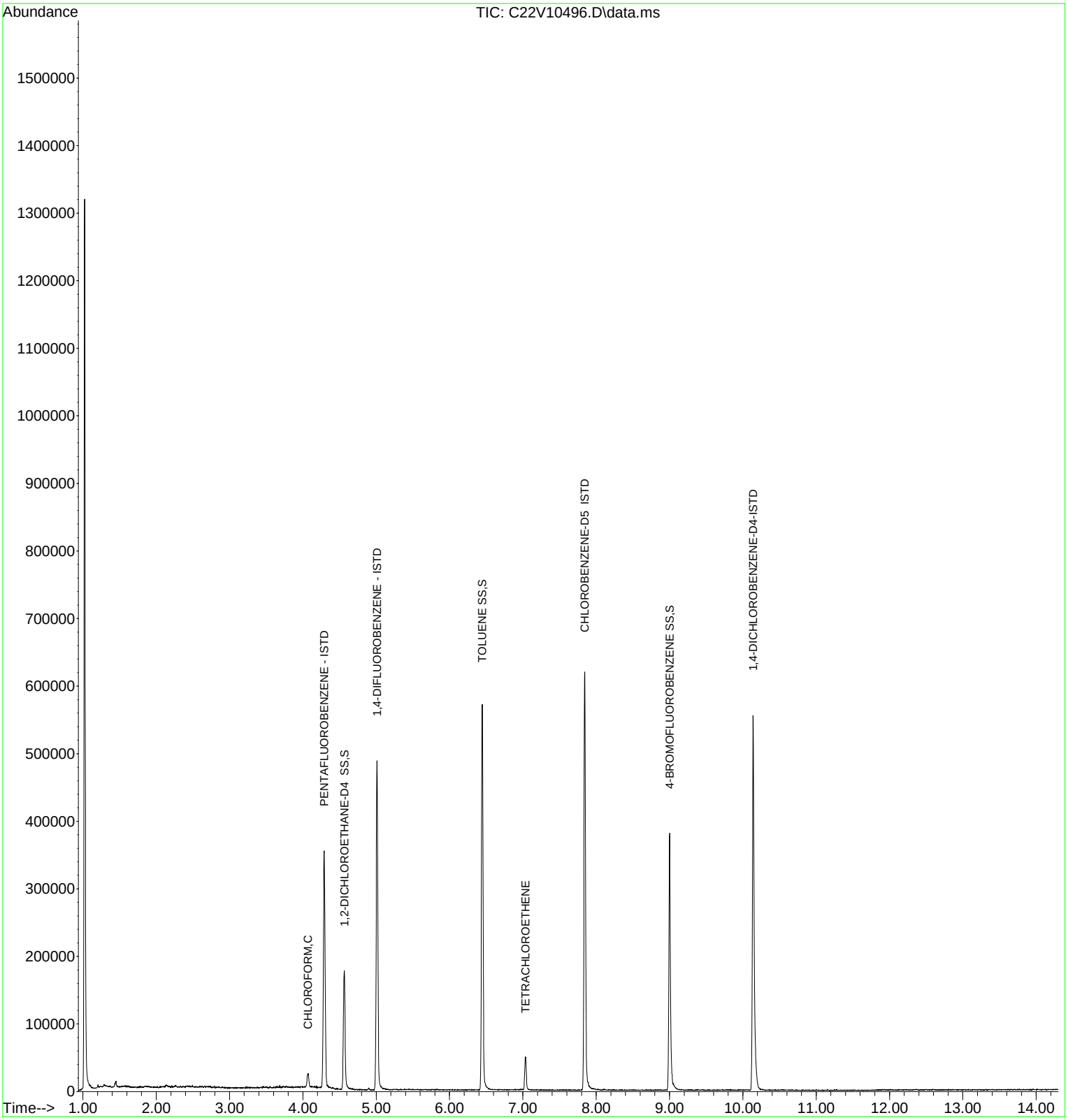
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) PENTAFLUOROBENZENE - ISTD | 4.292 | 168 | 212475 | 30.00 | UG/L | -0.02 |
| 48) 1,4-DIFLUOROBENZENE - ... | 5.011 | 114 | 327702 | 30.00 | UG/L | -0.01 |
| 70) CHLOROBENZENE-D5 ISTD | 7.842 | 82 | 166266 | 30.00 | UG/L | 0.00 |
| 89) 1,4-DICHLOROBENZENE-D4... | 10.139 | 152 | 153687 | 30.00 | UG/L | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 2) 1,2-DICHLOROETHANE-D4 SS | 4.565 | 65 | 102287 | 25.65 | UG/L | -0.01 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 102.60% | | | |
| 49) TOLUENE SS | 6.444 | 98 | 319395 | 24.61 | UG/L | -0.01 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 98.44% | | | |
| 71) 4-BROMOFLUOROBENZENE SS | 9.002 | 95 | 114087 | 23.14 | UG/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 92.56% | | | |
| Target Compounds | | | | | | Qvalue |
| 40) CHLOROFORM | 4.069 | 83 | 12773 | 2.38 | UG/L | 98 |
| 66) TETRACHLOROETHENE | 7.036 | 166 | 12700 | 4.14 | UG/L | 96 |

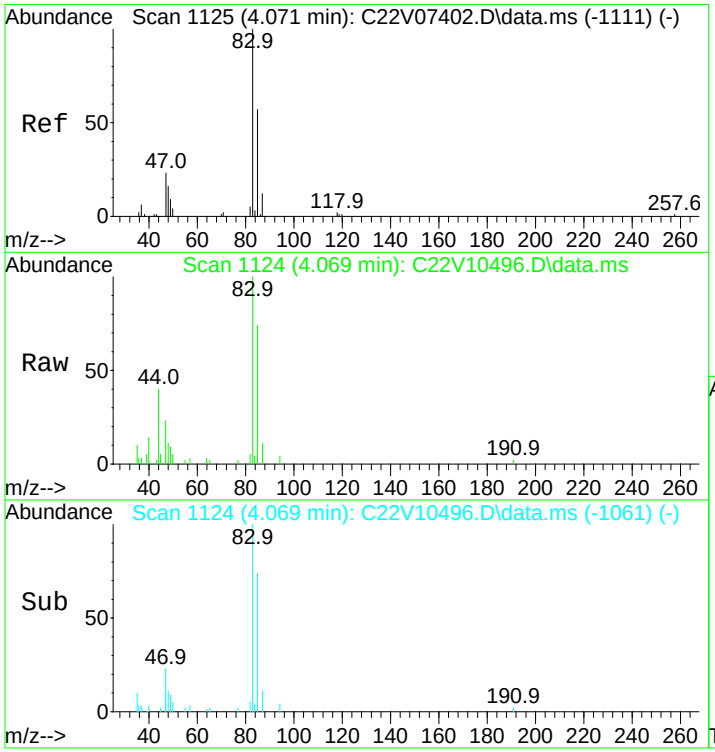
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\data\C041423\
Data File : C22V10496.D
Acq On : 16 Apr 2023 4:54 am
Operator :
Sample : 23D0848-01 Inst : GCMSVOA3
Misc :
ALS Vial : 16 Sample Multiplier: 1



Quant Time: Apr 17 10:01:26 2023
Quant Method : C:\msdchem\1\methods\C080822.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
QLast Update : Thu Dec 08 06:26:11 2022
Response via : Initial Calibration

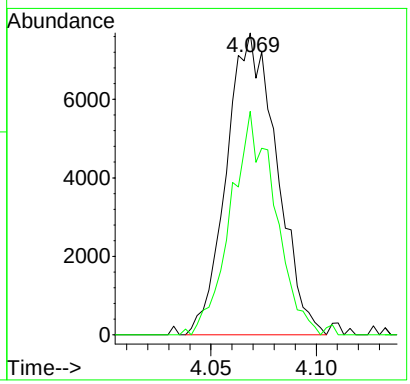


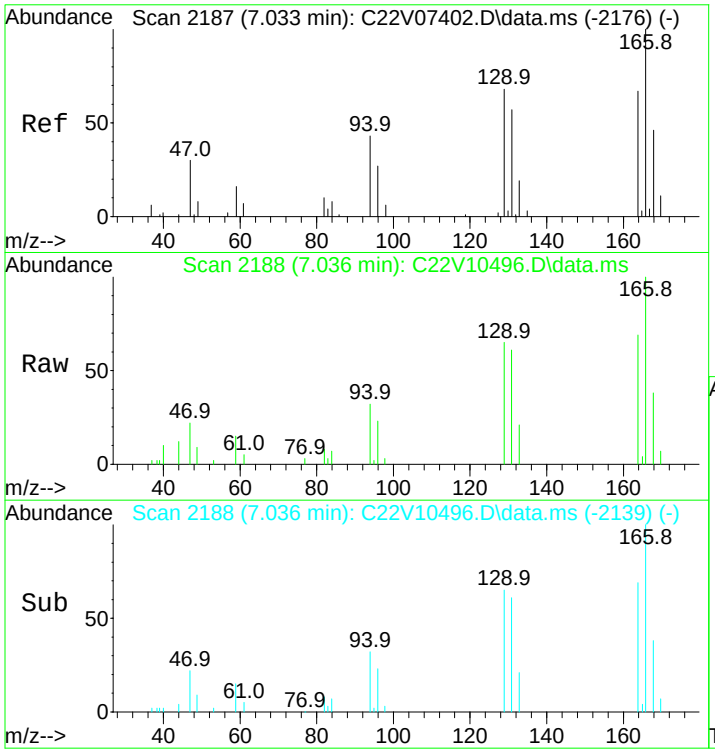



#40
CHLOROFORM
Concen: 2.38 UG/L
RT: 4.069 min Scan# 1124
Delta R.T. -0.014 min
Lab File: C22V10496.D
Acq: 16 Apr 2023 4:54 am

Tgt Ion: 83 Resp: 12773

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 65.3 | 53.8 | 80.6 |

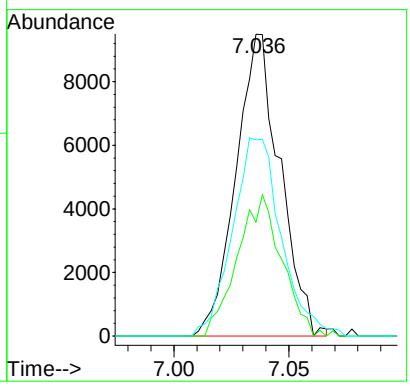



#66
TETRACHLOROETHENE
Concen: 4.14 UG/L
RT: 7.036 min Scan# 2188
Delta R.T. -0.008 min
Lab File: C22V10496.D
Acq: 16 Apr 2023 4:54 am

Tgt Ion:166 Resp: 12700

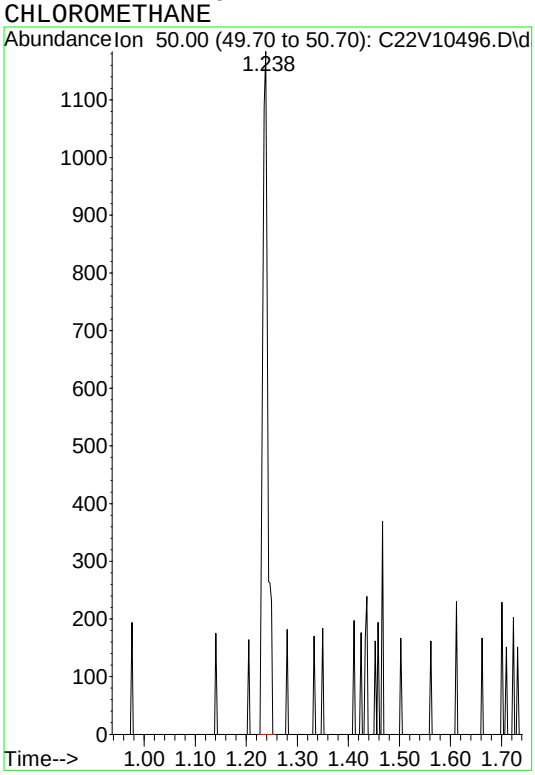
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 168 | 47.0 | 37.6 | 56.4 |
| 129 | 72.4 | 53.4 | 80.2 |



Data Path : C:\msdchem\1\data\C041423\
Data File : C22V10496.D
Acq On : 16 Apr 2023 4:54 am
Operator :
Sample : 23D0848-01
Misc :

Quant Time : Mon Apr 17 10:01:26 2023
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Thu Dec 08 06:26:11 2022

Original Integration
CHLOROMETHANE




Original Int. Results
---

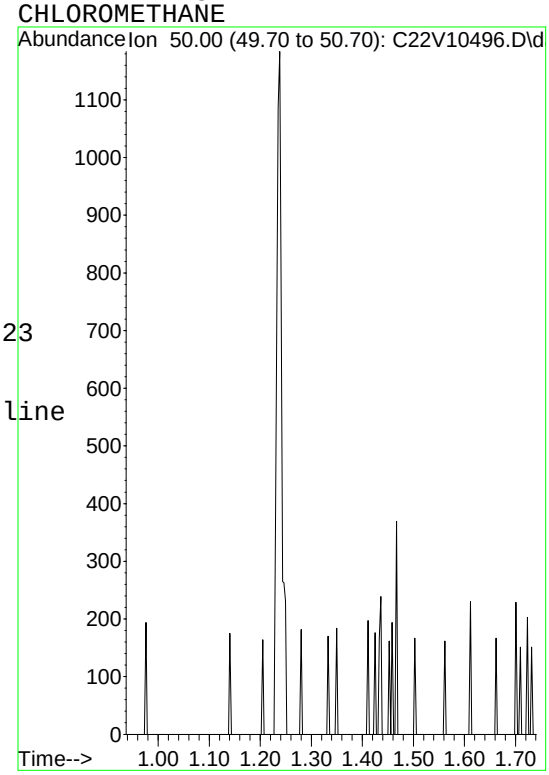
RT : 1.24
Area : 831
Amount: 0.165363

Manual Int. Results
---

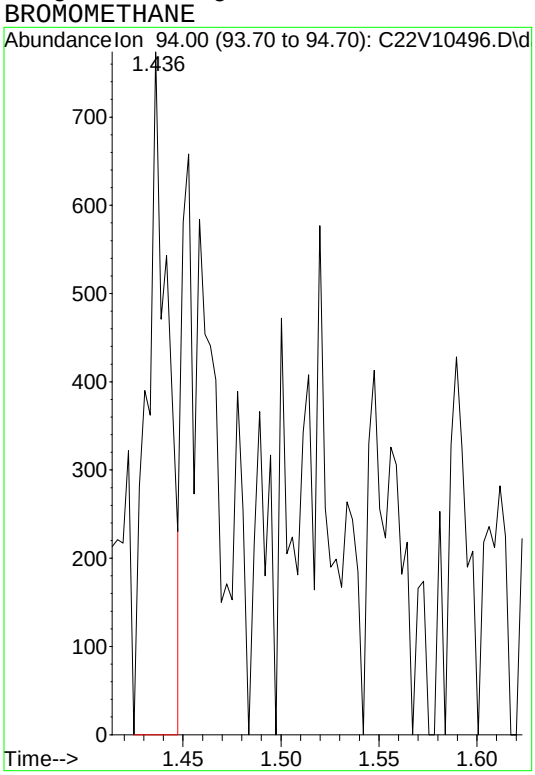
Mon Apr 17 10:00:35 2023

MIuser: MFF
Reason: Incorrect Baseline
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CHLOROMETHANE




Original Integration
BROMOMETHANE




Original Int. Results
---

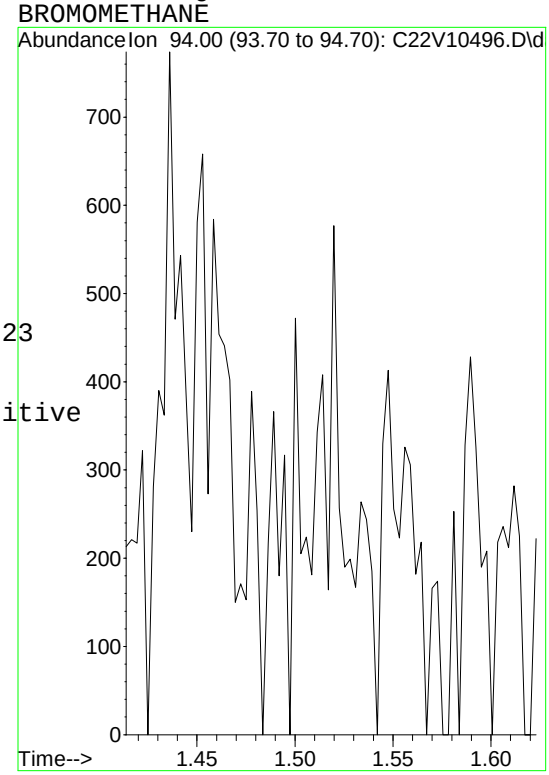
RT : 1.44
Area : 576
Amount: 0.264084

Manual Int. Results
---

Mon Apr 17 10:00:38 2023

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

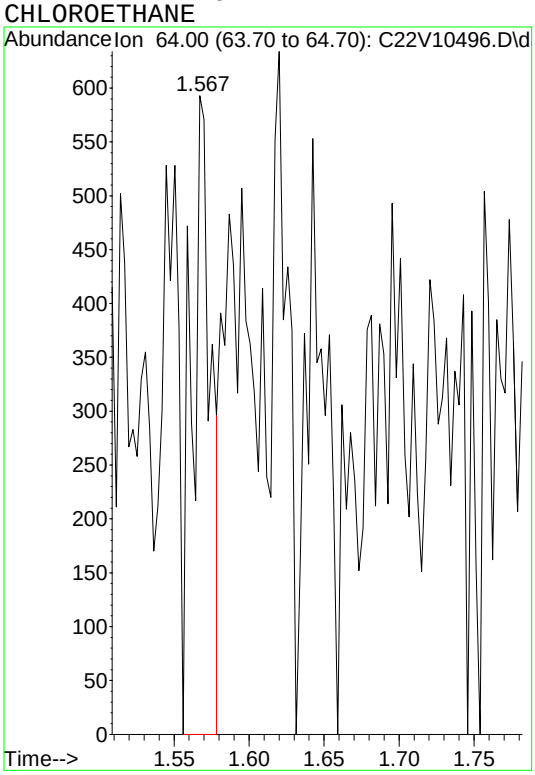
Manual Integration
BROMOMETHANE



Data Path : C:\msdchem\1\data\C041423\
Data File : C22V10496.D
Acq On : 16 Apr 2023 4:54 am
Operator :
Sample : 23D0848-01
Misc :

Quant Time : Mon Apr 17 10:01:26 2023
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Thu Dec 08 06:26:11 2022

Original Integration
CHLOROETHANE




Original Int. Results
---

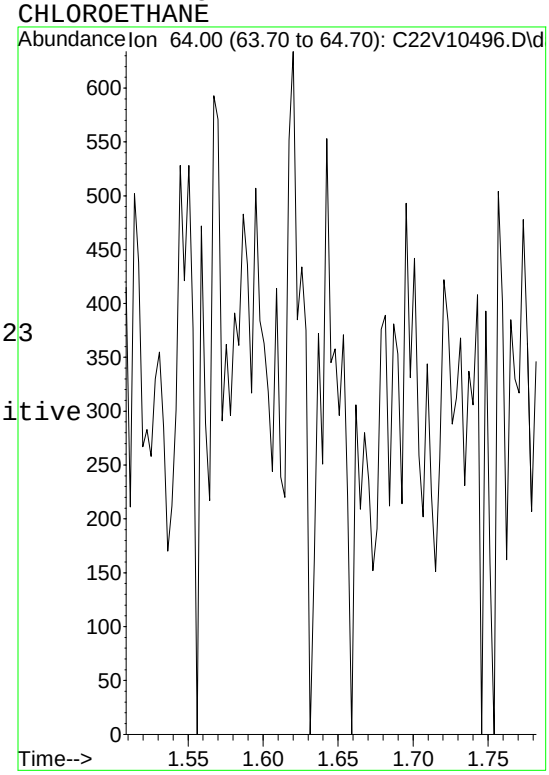
RT : 1.57
Area : 517
Amount: 0.202701

Manual Int. Results
---

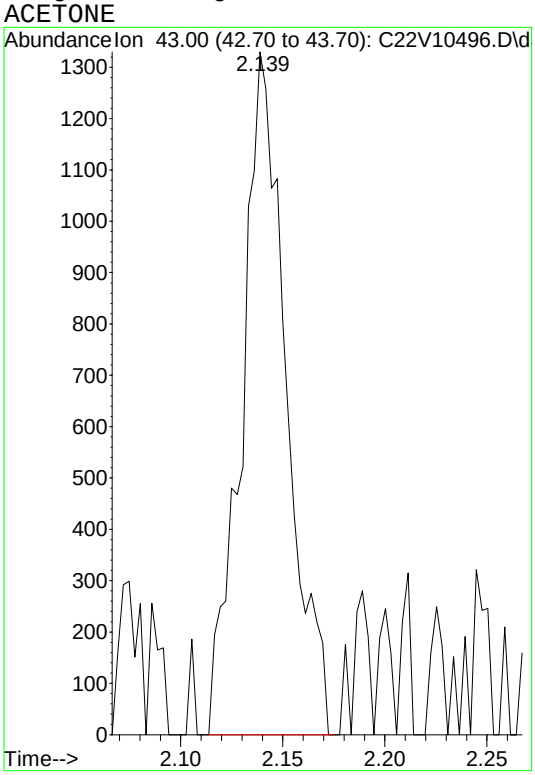
Mon Apr 17 10:01:06 2023

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

Manual Integration
CHLOROETHANE




Original Integration
ACETONE




Original Int. Results
---

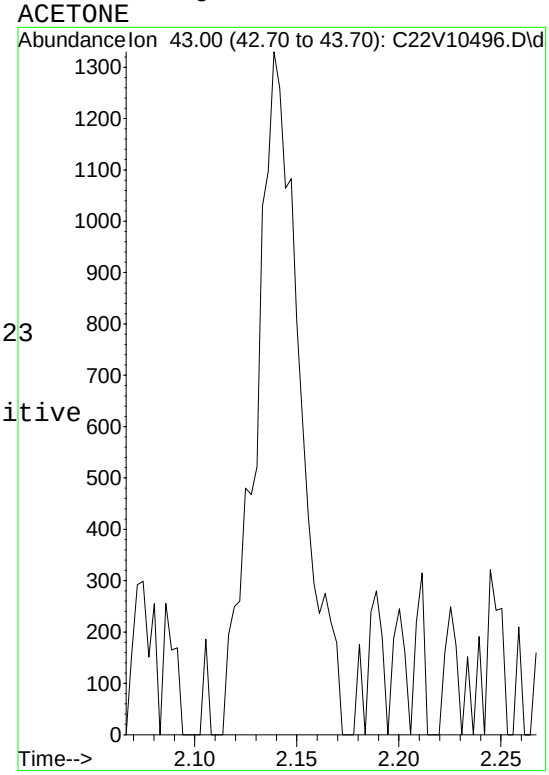
RT : 2.14
Area : 2022
Amount: 1.56784

Manual Int. Results
---

Mon Apr 17 10:01:09 2023

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

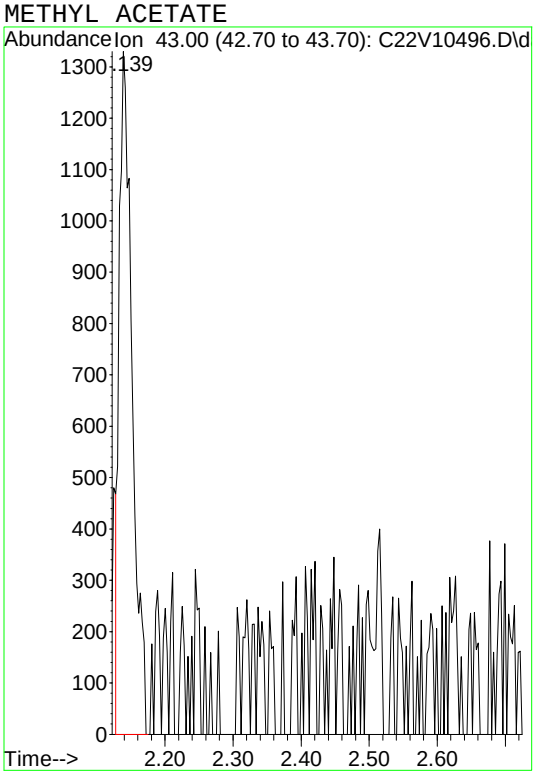
Manual Integration
ACETONE



Data Path : C:\msdchem\1\data\C041423\
Data File : C22V10496.D
Acq On : 16 Apr 2023 4:54 am
Operator :
Sample : 23D0848-01
Misc :

Quant Time : Mon Apr 17 10:01:26 2023
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Thu Dec 08 06:26:11 2022

Original Integration
METHYL ACETATE




Original Int. Results
---

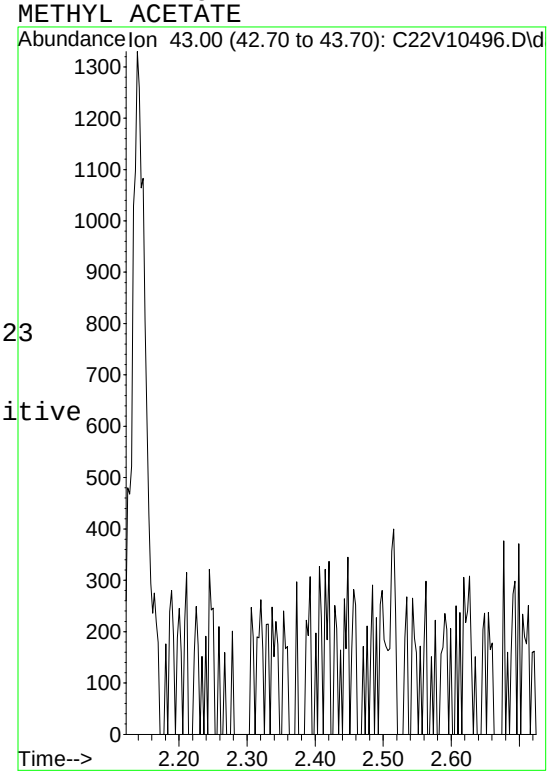
RT : 2.14
Area : 1746
Amount: 0.347773

Manual Int. Results
---

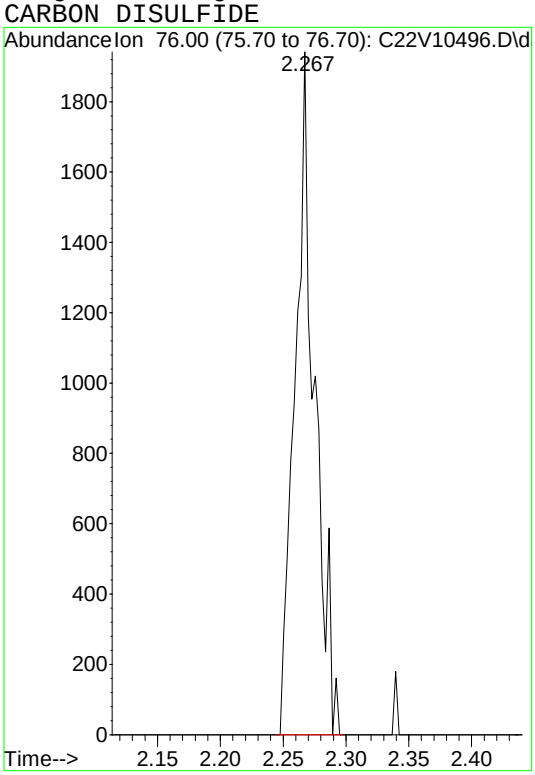
Mon Apr 17 10:01:13 2023

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

Manual Integration
METHYL ACETATE




Original Integration
CARBON DISULFIDE




Original Int. Results
---

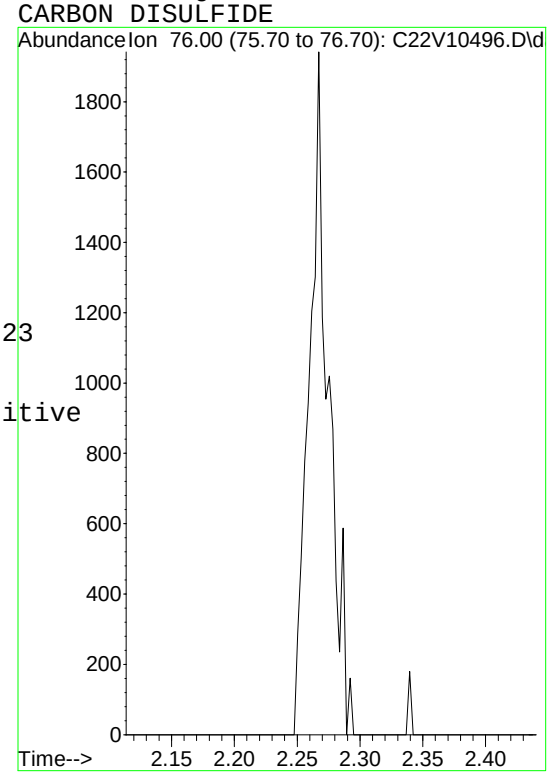
RT : 2.27
Area : 2076
Amount: 0.234403

Manual Int. Results
---

Mon Apr 17 10:01:16 2023

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

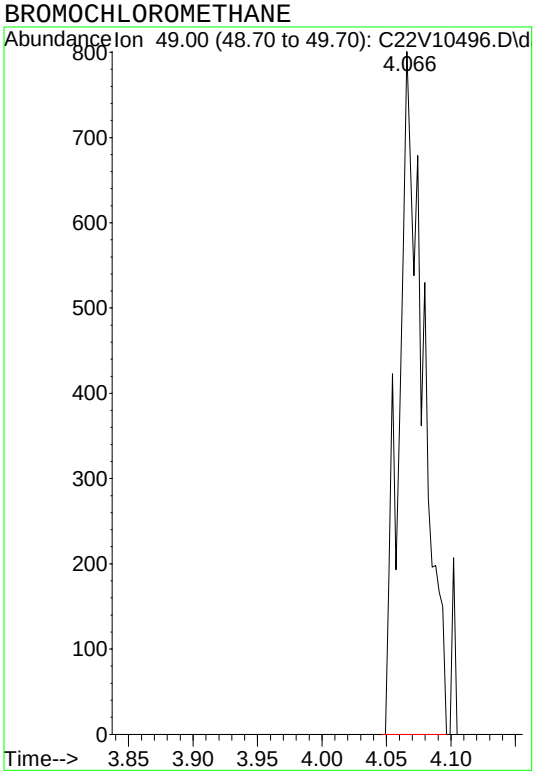
Manual Integration
CARBON DISULFIDE



Data Path : C:\msdchem\1\data\C041423\
Data File : C22V10496.D
Acq On : 16 Apr 2023 4:54 am
Operator :
Sample : 23D0848-01
Misc :

Quant Time : Mon Apr 17 10:01:26 2023
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Thu Dec 08 06:26:11 2022

Original Integration
BROMOCHLOROMETHANE




Original Int. Results
---

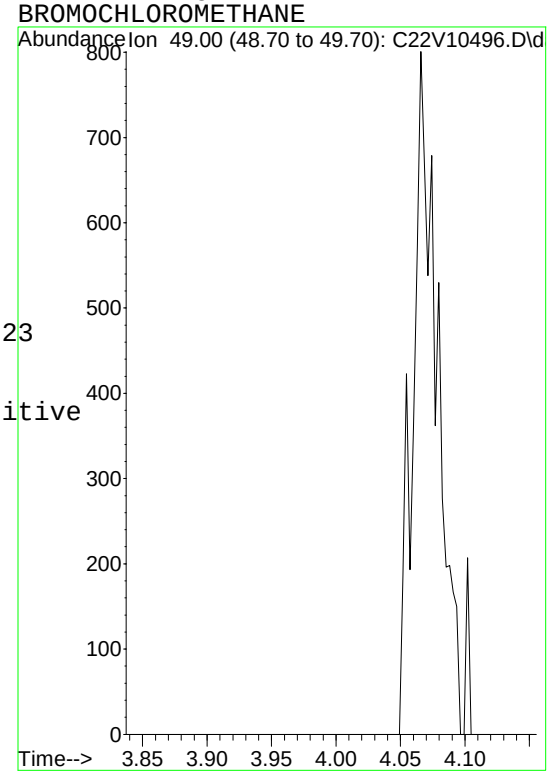
RT : 4.07
Area : 1055
Amount: 0.392718

Manual Int. Results
---

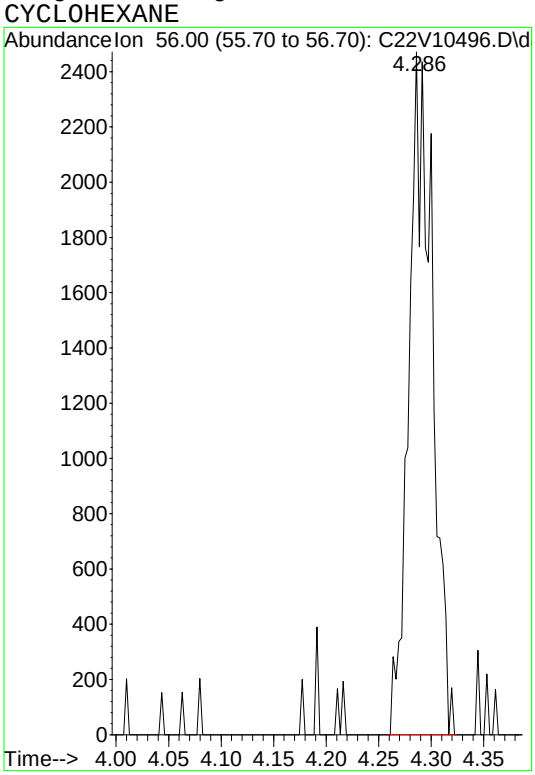
Mon Apr 17 10:01:21 2023

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

Manual Integration
BROMOCHLOROMETHANE




Original Integration
CYCLOHEXANE




Original Int. Results
---

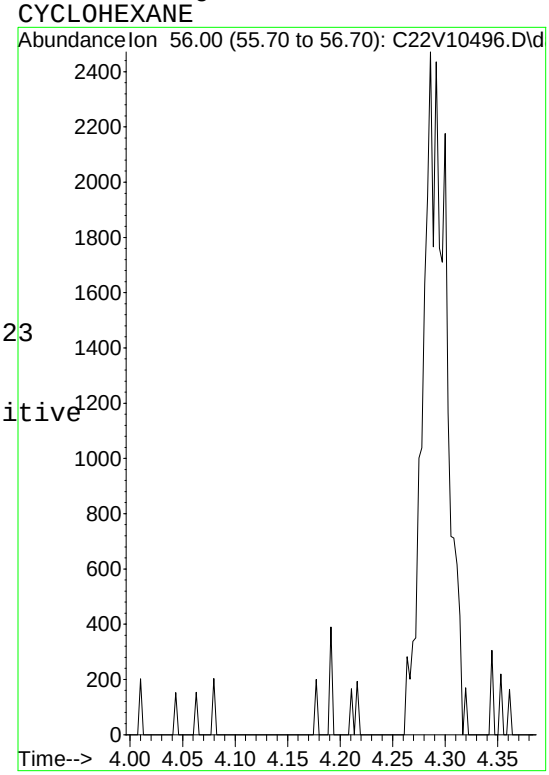
RT : 4.29
Area : 3835
Amount: 0.764783

Manual Int. Results
---

Mon Apr 17 10:01:25 2023

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

Manual Integration
CYCLOHEXANE



# 1 - FORM I
# ANALYSIS DATA SHEET

## DUP-1

| | | | | | |
|---|---|---|---|---|---|
| Laboratory: | Pace New England | | | Work Order: | 23D0848 |
| Client: | NYDEC_GES - Amherst, NY | | | Project: | 275 Franklin St, Buffalo, NY - CO 144192 |
| Matrix: | Ground Water | Laboratory ID: | 23D0848-02 | File ID: | C22V10323.D |
| Sampled: | 04/06/23 09:35 | Prepared: | 04/13/23 07:07 | Analyzed: | 04/13/23 19:59 |
| Solids: | | Preparation: | SW-846 5030B | Dilution: | 1 |
| Initial/Final: | 5 mL / 5 mL | | | | |
| Batch: | B337043 | Sequence: | S085958 | Calibration: | 2200537 |
| | | | | Instrument: | GCMSVOA3 |

| CAS NO. | COMPOUND | CONC. (µg/L) | MDL | RL | Q |
|---|---|---|---|---|---|
| 67-64-1 | Acetone | | 2.0 | 50 | |
| 71-43-2 | Benzene | | 0.18 | 1.0 | |
| 74-97-5 | Bromochloromethane | | 0.28 | 1.0 | |
| 75-27-4 | Bromodichloromethane | | 0.16 | 0.50 | |
| 75-25-2 | Bromoform | | 0.41 | 1.0 | |
| 74-83-9 | Bromomethane | | 1.3 | 2.0 | |
| 78-93-3 | 2-Butanone (MEK) | | 1.7 | 20 | |
| 75-15-0 | Carbon Disulfide | | 1.6 | 5.0 | |
| 56-23-5 | Carbon Tetrachloride | | 0.16 | 5.0 | |
| 108-90-7 | Chlorobenzene | | 0.12 | 1.0 | |
| 124-48-1 | Chlorodibromomethane | | 0.20 | 0.50 | |
| 75-00-3 | Chloroethane | | 0.34 | 2.0 | |
| 67-66-3 | Chloroform | 2.6 | 0.14 | 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) | | 0.85 | 5.0 | |
| 106-93-4 | 1,2-Dibromoethane (EDB) | | 0.16 | 0.50 | |
| 95-50-1 | 1,2-Dichlorobenzene | | 0.13 | 1.0 | |
| 541-73-1 | 1,3-Dichlorobenzene | | 0.14 | 1.0 | |
| 106-46-7 | 1,4-Dichlorobenzene | | 0.13 | 1.0 | |
| 75-71-8 | Dichlorodifluoromethane (Freon 12) | | 0.16 | 2.0 | |
| 75-34-3 | 1,1-Dichloroethane | | 0.14 | 1.0 | |
| 107-06-2 | 1,2-Dichloroethane | | 0.30 | 1.0 | |
| 75-35-4 | 1,1-Dichloroethylene | | 0.14 | 1.0 | |
| 156-59-2 | cis-1,2-Dichloroethylene | | 0.14 | 1.0 | |
| 156-60-5 | trans-1,2-Dichloroethylene | | 0.17 | 1.0 | |
| 78-87-5 | 1,2-Dichloropropane | | 0.19 | 1.0 | |
| 10061-01-5 | cis-1,3-Dichloropropene | | 0.16 | 0.50 | |
| 10061-02-6 | trans-1,3-Dichloropropene | | 0.14 | 0.50 | |
| 123-91-1 | 1,4-Dioxane | | 18 | 50 | |

# 1 - FORM I
# ANALYSIS DATA SHEET

## DUP-1

| | | | | | |
|---|---|---|---|---|---|
| Laboratory: | Pace New England | | | Work Order: | 23D0848 |
| Client: | NYDEC_GES - Amherst, NY | | | Project: | 275 Franklin St, Buffalo, NY - CO 144192 |
| Matrix: | Ground Water | Laboratory ID: | 23D0848-02 | File ID: | C22V10323.D |
| Sampled: | 04/06/23 09:35 | Prepared: | 04/13/23 07:07 | Analyzed: | 04/13/23 19:59 |
| Solids: | | Preparation: | SW-846 5030B | Dilution: | 1 |
| Initial/Final: | 5 mL / 5 mL | | | | |
| Batch: | B337043 | Sequence: | S085958 | Calibration: | 2200537 |
| Instrument: | GCMSVOA3 | | | | |

| CAS NO. | COMPOUND | CONC. (µg/L) | MDL | RL | Q |
|---|---|---|---|---|---|
| 100-41-4 | Ethylbenzene | | 0.22 | 1.0 | |
| 591-78-6 | 2-Hexanone (MBK) | | 1.2 | 10 | |
| 98-82-8 | Isopropylbenzene (Cumene) | | 0.15 | 1.0 | |
| 79-20-9 | Methyl Acetate | | 0.61 | 1.0 | V-05 |
| 1634-04-4 | Methyl tert-Butyl Ether (MTBE) | | 0.17 | 1.0 | |
| 108-87-2 | Methyl Cyclohexane | | 0.16 | 1.0 | |
| 75-09-2 | Methylene Chloride | | 0.18 | 5.0 | |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | | 1.3 | 10 | |
| 100-42-5 | Styrene | | 0.15 | 1.0 | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | | 0.14 | 0.50 | |
| 127-18-4 | Tetrachloroethylene | 4.6 | 0.17 | 1.0 | |
| 108-88-3 | Toluene | | 0.22 | 1.0 | |
| 87-61-6 | 1,2,3-Trichlorobenzene | | 0.34 | 5.0 | |
| 120-82-1 | 1,2,4-Trichlorobenzene | | 0.30 | 1.0 | |
| 71-55-6 | 1,1,1-Trichloroethane | | 0.15 | 1.0 | |
| 79-00-5 | 1,1,2-Trichloroethane | | 0.19 | 1.0 | |
| 79-01-6 | Trichloroethylene | | 0.17 | 1.0 | |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | | 0.15 | 2.0 | |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1 | | 0.21 | 1.0 | |
| 75-01-4 | Vinyl Chloride | | 0.24 | 2.0 | |
| 1330-20-7 | Xylenes (total) | | 1.0 | 1.0 | |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\C041323\
Data File : C22V10323.D
Acq On : 13 Apr 2023 7:59 pm
Operator :
Sample : 23D0848-02 Inst : GCMSVOA3
Misc :
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Apr 14 06:19:45 2023
Quant Method : C:\msdchem\1\methods\C080822.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
QLast Update : Thu Dec 08 06:26:11 2022
Response via : Initial Calibration

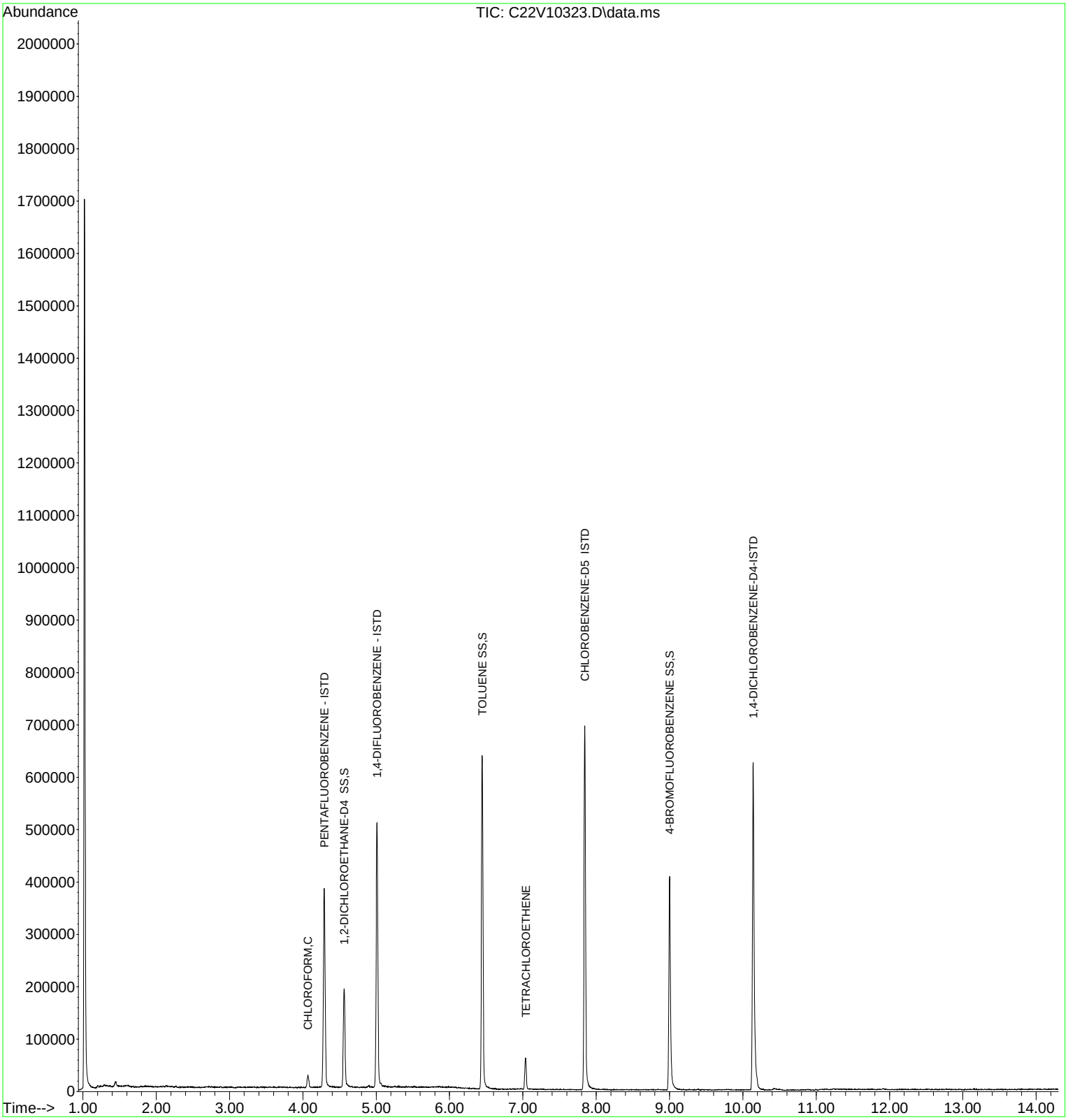
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) PENTAFLUOROBENZENE - ISTD | 4.294 | 168 | 231407 | 30.00 | UG/L | -0.01 |
| 48) 1,4-DIFLUOROBENZENE - ... | 5.011 | 114 | 350238 | 30.00 | UG/L | -0.01 |
| 70) CHLOROBENZENE-D5 ISTD | 7.844 | 82 | 185618 | 30.00 | UG/L | 0.00 |
| 89) 1,4-DICHLOROBENZENE-D4... | 10.142 | 152 | 170694 | 30.00 | UG/L | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 2) 1,2-DICHLOROETHANE-D4 SS | 4.562 | 65 | 113131 | 26.05 | UG/L | -0.02 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 104.20% | | | |
| 49) TOLUENE SS | 6.447 | 98 | 357852 | 25.80 | UG/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 103.20% | | | |
| 71) 4-BROMOFLUOROBENZENE SS | 8.999 | 95 | 129882 | 23.60 | UG/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 94.40% | | | |
| Target Compounds | | | | | | Qvalue |
| 40) CHLOROFORM | 4.069 | 83 | 15165 | 2.59 | UG/L | 93 |
| 66) TETRACHLOROETHENE | 7.041 | 166 | 15119 | 4.61 | UG/L | 97 |

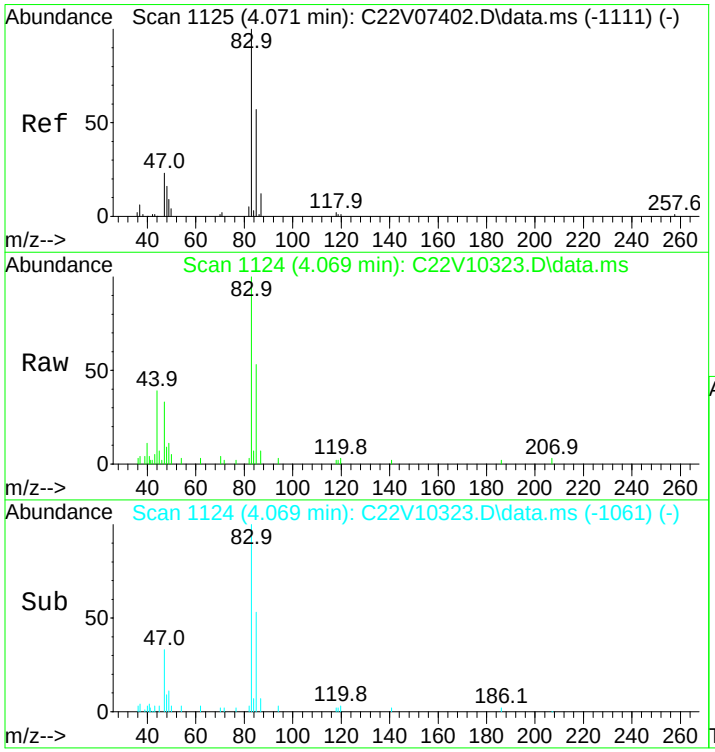
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\data\C041323\
Data File : C22V10323.D
Acq On : 13 Apr 2023 7:59 pm
Operator :
Sample : 23D0848-02 Inst : GCMSVOA3
Misc :
ALS Vial : 23 Sample Multiplier: 1



Quant Time: Apr 14 06:19:45 2023
Quant Method : C:\msdchem\1\methods\C080822.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
QLast Update : Thu Dec 08 06:26:11 2022
Response via : Initial Calibration

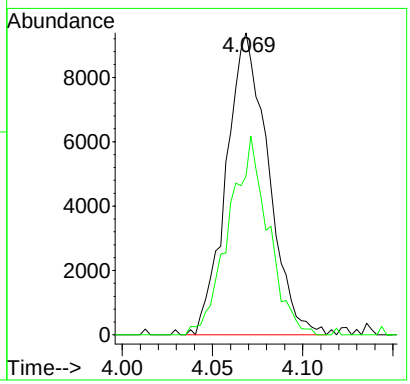


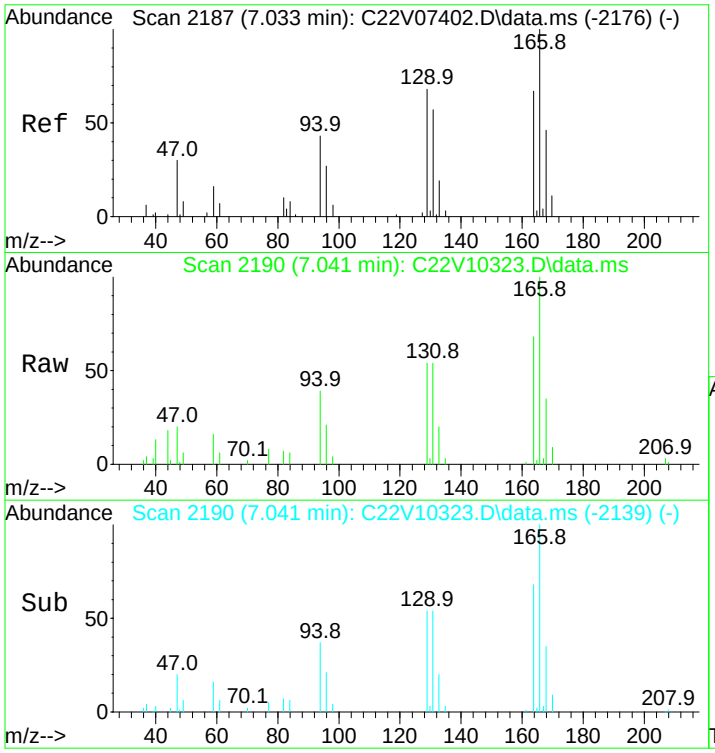



#40
CHLOROFORM
Concen: 2.59 UG/L
RT: 4.069 min Scan# 1124
Delta R.T. -0.014 min
Lab File: C22V10323.D
Acq: 13 Apr 2023 7:59 pm

Tgt Ion: 83 Resp: 15165

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 61.7 | 53.8 | 80.6 |

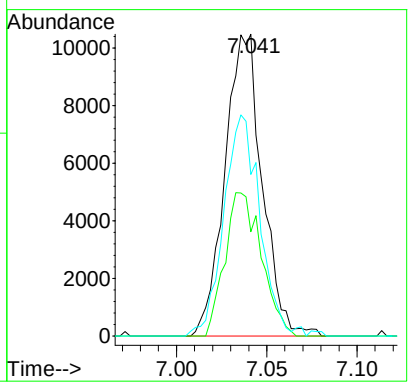



#66
TETRACHLOROETHENE
Concen: 4.61 UG/L
RT: 7.041 min Scan# 2190
Delta R.T. -0.003 min
Lab File: C22V10323.D
Acq: 13 Apr 2023 7:59 pm

Tgt Ion:166 Resp: 15119

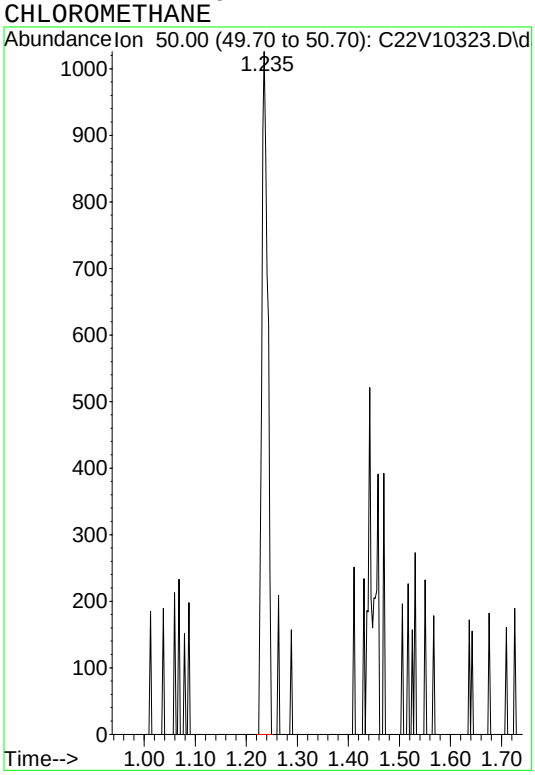
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 168 | 46.4 | 37.6 | 56.4 |
| 129 | 69.9 | 53.4 | 80.2 |



Data Path : C:\msdchem\1\data\C041323\
Data File : C22V10323.D
Acq On : 13 Apr 2023 7:59 pm
Operator :
Sample : 23D0848-02
Misc :

Quant Time : Fri Apr 14 06:19:45 2023
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Thu Dec 08 06:26:11 2022

Original Integration
CHLOROMETHANE




Original Int. Results
---

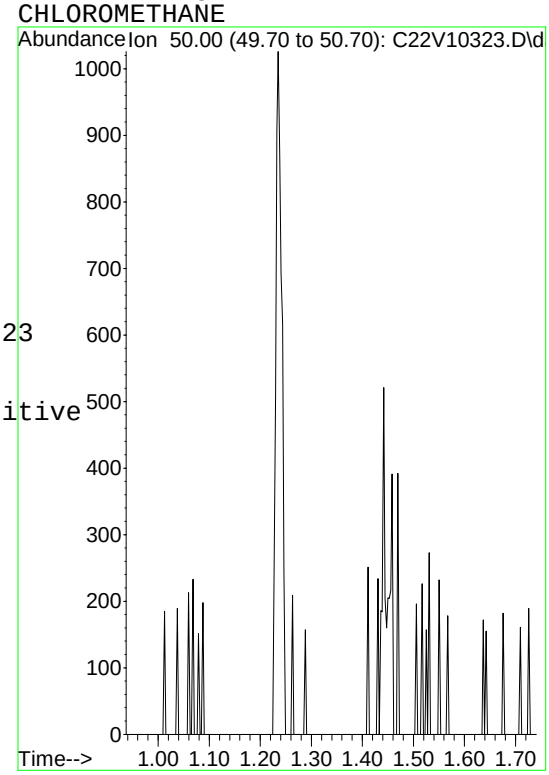
RT : 1.24
Area : 853
Amount: 0.155854

Manual Int. Results
---

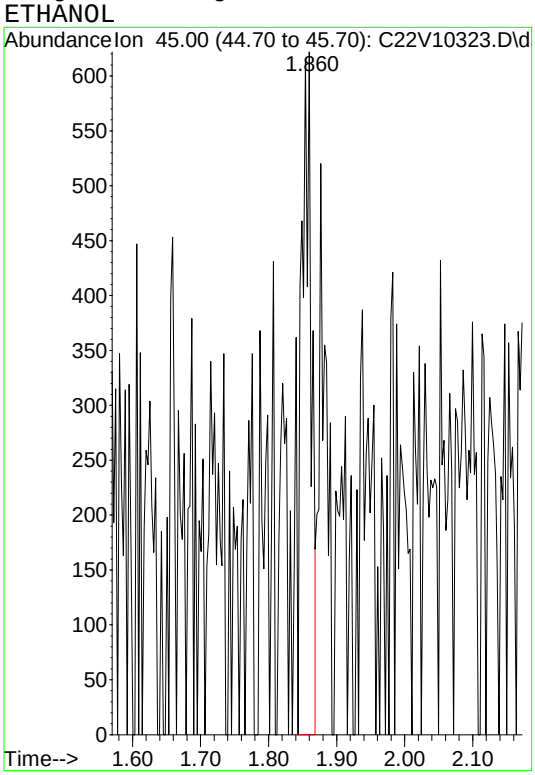
Fri Apr 14 06:17:49 2023

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

Manual Integration
CHLOROMETHANE




Original Integration
ETHANOL




Original Int. Results
---

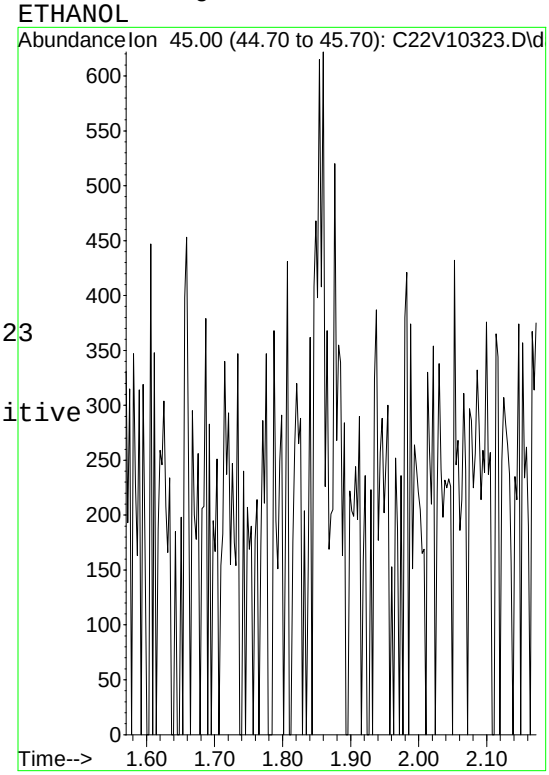
RT : 1.86
Area : 616
Amount: 7.70316

Manual Int. Results
---

Fri Apr 14 06:17:53 2023

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

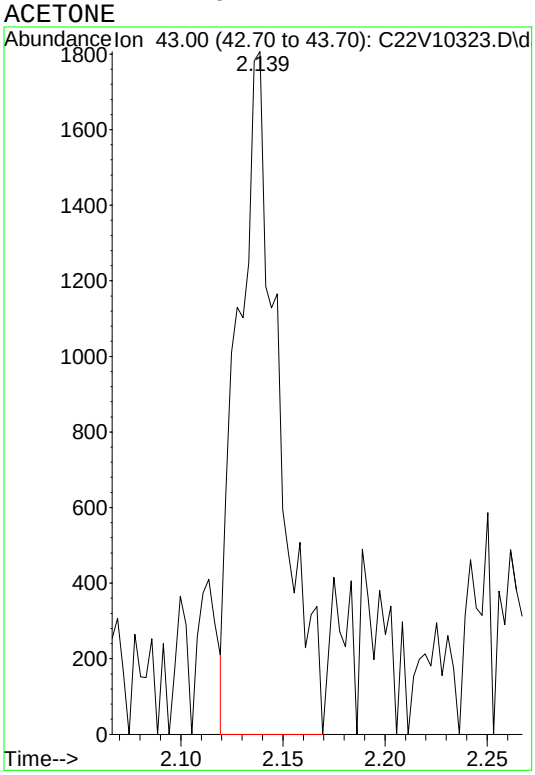
Manual Integration
ETHANOL



Data Path : C:\msdchem\1\data\C041323\
Data File : C22V10323.D
Acq On : 13 Apr 2023 7:59 pm
Operator :
Sample : 23D0848-02
Misc :

Quant Time : Fri Apr 14 06:19:45 2023
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Thu Dec 08 06:26:11 2022

Original Integration
ACETONE




Original Int. Results
---

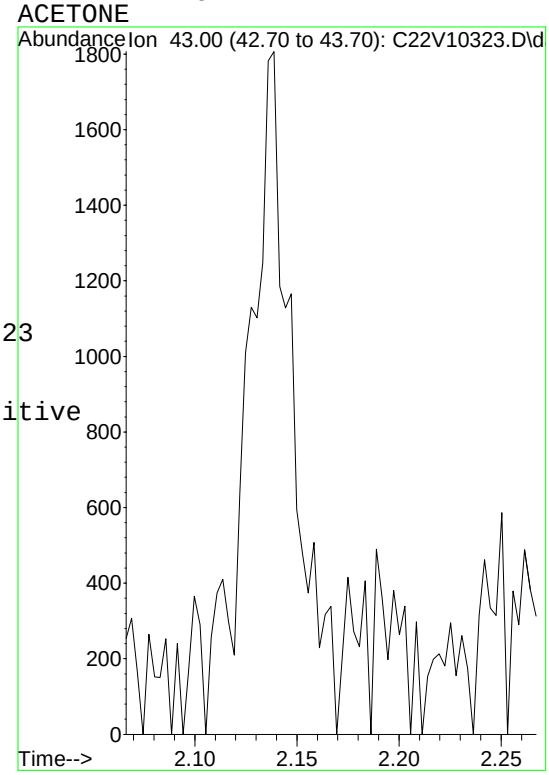
RT : 2.14
Area : 2515
Amount: 1.79057

Manual Int. Results
---

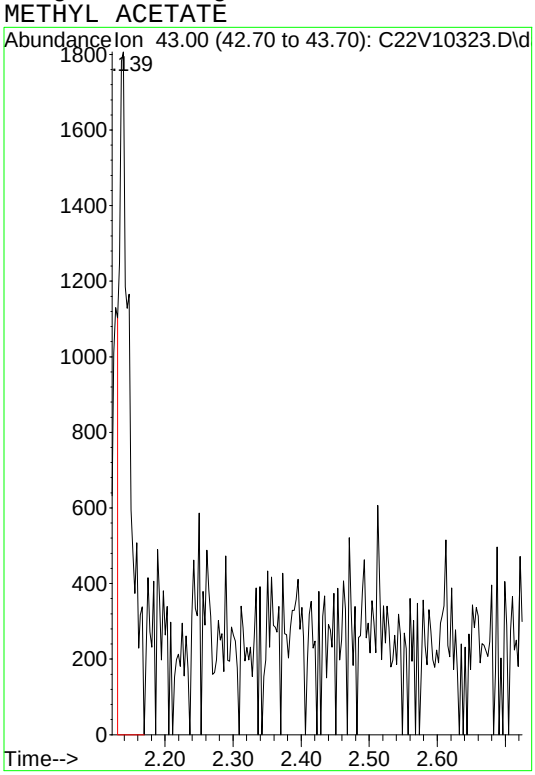
Fri Apr 14 06:17:57 2023

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

Manual Integration
ACETONE




Original Integration
METHYL ACETATE




Original Int. Results
---

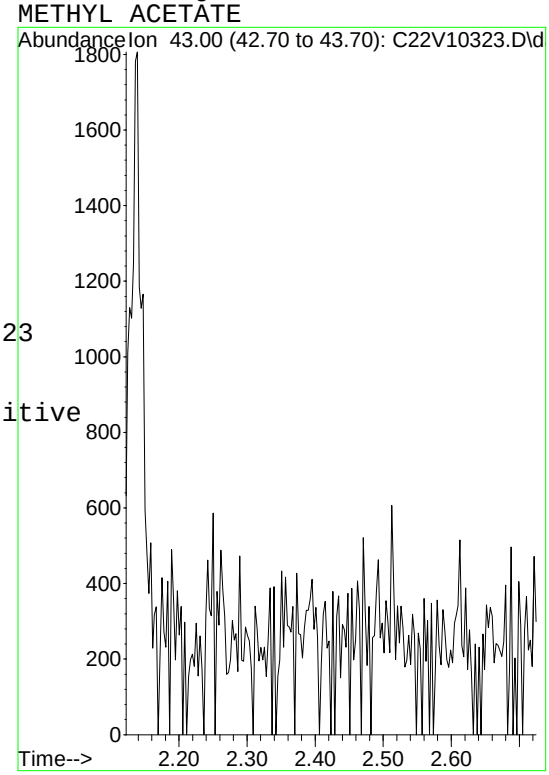
RT : 2.14
Area : 1866
Amount: 0.341267

Manual Int. Results
---

Fri Apr 14 06:18:00 2023

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

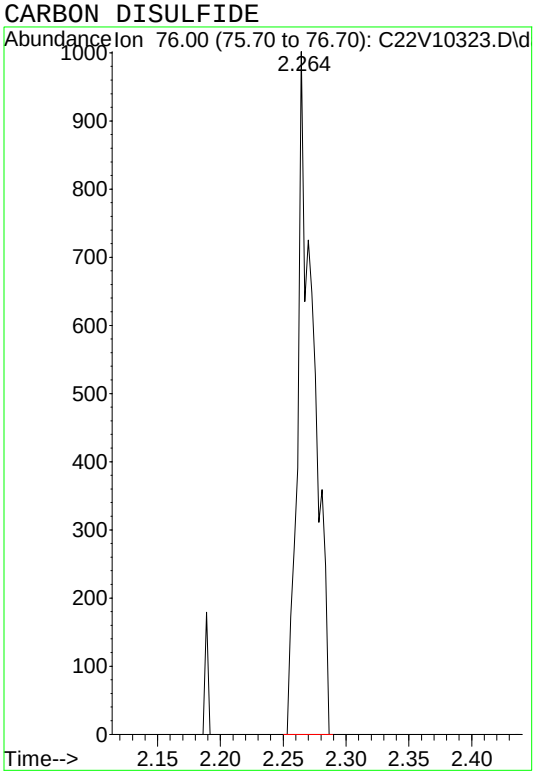
Manual Integration
METHYL ACETATE



Data Path : C:\msdchem\1\data\C041323\
Data File : C22V10323.D
Acq On : 13 Apr 2023 7:59 pm
Operator :
Sample : 23D0848-02
Misc :

Quant Time : Fri Apr 14 06:19:45 2023
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Thu Dec 08 06:26:11 2022

Original Integration
CARBON DISULFIDE




Original Int. Results
---

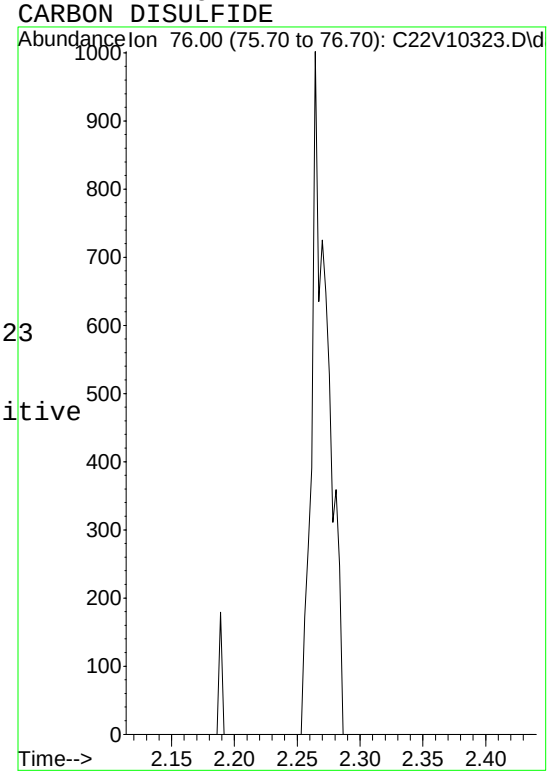
RT : 2.26
Area : 886
Amount: 0.0918546

Manual Int. Results
---

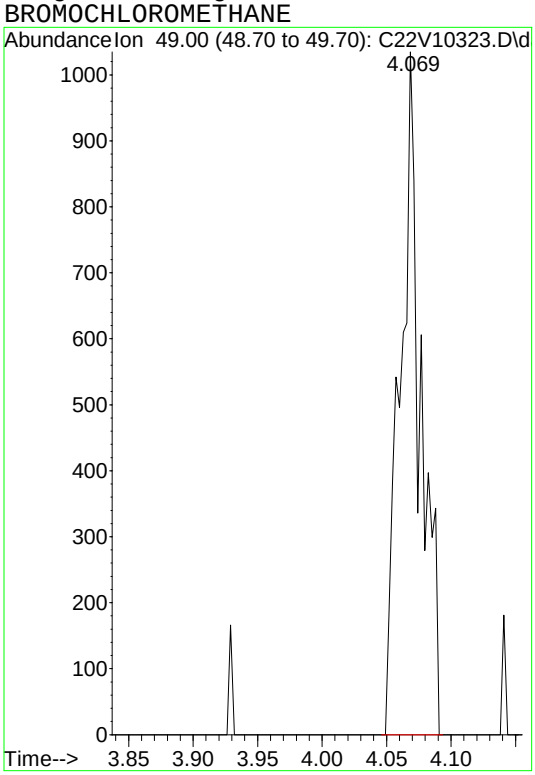
Fri Apr 14 06:18:05 2023

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

Manual Integration
CARBON DISULFIDE




Original Integration
BROMOCHLOROMETHANE




Original Int. Results
---

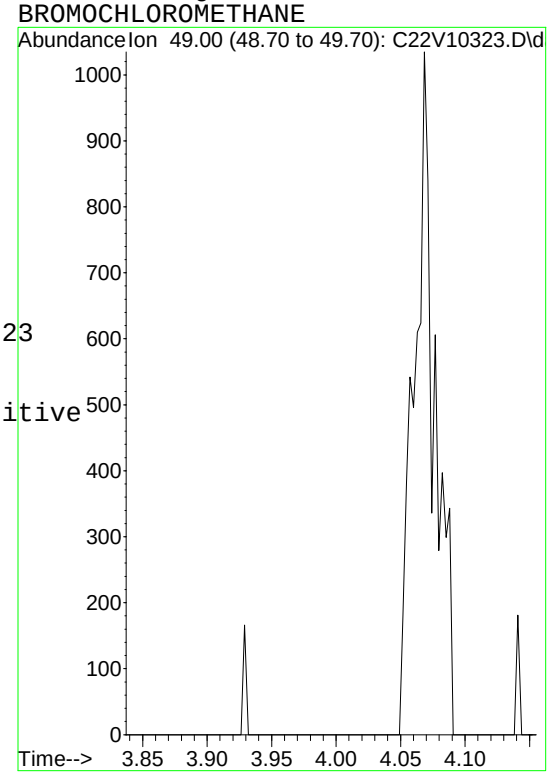
RT : 4.07
Area : 1166
Amount: 0.398528

Manual Int. Results
---

Fri Apr 14 06:18:09 2023

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

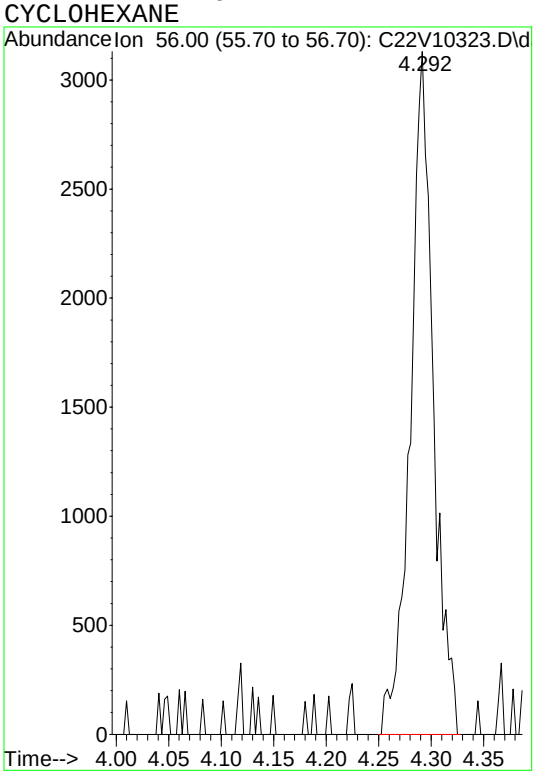
Manual Integration
BROMOCHLOROMETHANE



Data Path : C:\msdchem\1\data\C041323\
Data File : C22V10323.D
Acq On : 13 Apr 2023 7:59 pm
Operator :
Sample : 23D0848-02
Misc :

Quant Time : Fri Apr 14 06:19:45 2023
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Thu Dec 08 06:26:11 2022

Original Integration
CYCLOHEXANE




Original Int. Results
---

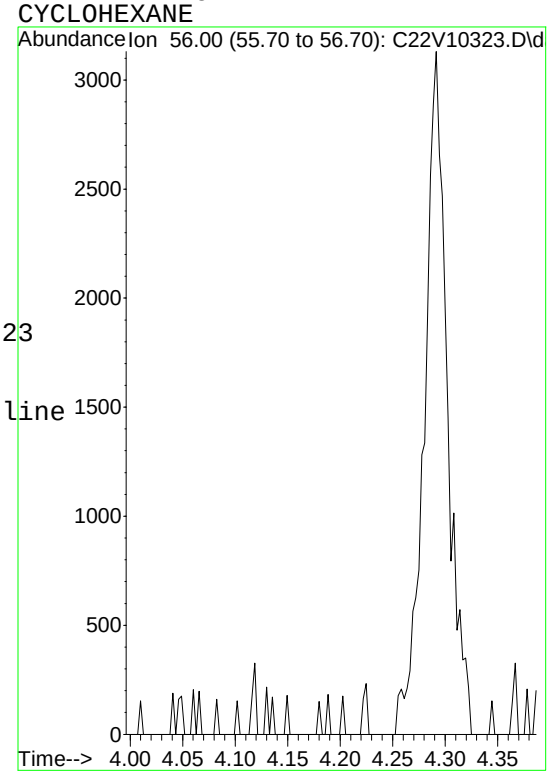
RT : 4.29
Area : 4751
Amount: 0.86994

Manual Int. Results
---

Fri Apr 14 06:19:44 2023

MIuser: MFF
Reason: Incorrect Baseline
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CYCLOHEXANE



# 1 - FORM I
# ANALYSIS DATA SHEET

## MW-26S

| | | | | | |
|---|---|---|---|---|---|
| Laboratory: | Pace New England | | | Work Order: | 23D0848 |
| Client: | NYDEC_GES - Amherst, NY | | | Project: | 275 Franklin St, Buffalo, NY - CO 144192 |
| Matrix: | Ground Water | Laboratory ID: | 23D0848-03 | File ID: | C22V10325.D |
| Sampled: | 04/06/23 11:05 | Prepared: | 04/13/23 07:07 | Analyzed: | 04/13/23 20:52 |
| Solids: | | Preparation: | SW-846 5030B | Dilution: | 4 |
| Initial/Final: | 5 mL / 5 mL | | | | |
| Batch: | B337043 | Sequence: | S085958 | Calibration: | 2200537 | Instrument: | GCMSVOA3 |

| CAS NO. | COMPOUND | CONC. (µg/L) | MDL | RL | Q |
|---|---|---|---|---|---|
| 67-64-1 | Acetone | | 8.0 | 200 | |
| 71-43-2 | Benzene | | 0.74 | 4.0 | |
| 74-97-5 | Bromochloromethane | | 1.1 | 4.0 | |
| 75-27-4 | Bromodichloromethane | | 0.63 | 2.0 | |
| 75-25-2 | Bromoform | | 1.6 | 4.0 | |
| 74-83-9 | Bromomethane | | 5.3 | 8.0 | |
| 78-93-3 | 2-Butanone (MEK) | | 6.7 | 80 | |
| 75-15-0 | Carbon Disulfide | | 6.2 | 20 | |
| 56-23-5 | Carbon Tetrachloride | | 0.65 | 20 | |
| 108-90-7 | Chlorobenzene | | 0.48 | 4.0 | |
| 124-48-1 | Chlorodibromomethane | | 0.80 | 2.0 | |
| 75-00-3 | Chloroethane | | 1.4 | 8.0 | |
| 67-66-3 | Chloroform | 1.1 | 0.56 | 8.0 | J |
| 74-87-3 | Chloromethane | | 2.0 | 8.0 | |
| 110-82-7 | Cyclohexane | | 7.1 | 20 | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane (DBCP) | | 3.4 | 20 | |
| 106-93-4 | 1,2-Dibromoethane (EDB) | | 0.64 | 2.0 | |
| 95-50-1 | 1,2-Dichlorobenzene | | 0.52 | 4.0 | |
| 541-73-1 | 1,3-Dichlorobenzene | | 0.55 | 4.0 | |
| 106-46-7 | 1,4-Dichlorobenzene | | 0.51 | 4.0 | |
| 75-71-8 | Dichlorodifluoromethane (Freon 12) | | 0.64 | 8.0 | |
| 75-34-3 | 1,1-Dichloroethane | | 0.55 | 4.0 | |
| 107-06-2 | 1,2-Dichloroethane | | 1.2 | 4.0 | |
| 75-35-4 | 1,1-Dichloroethylene | | 0.56 | 4.0 | |
| 156-59-2 | cis-1,2-Dichloroethylene | 43 | 0.56 | 4.0 | |
| 156-60-5 | trans-1,2-Dichloroethylene | | 0.69 | 4.0 | |
| 78-87-5 | 1,2-Dichloropropane | | 0.77 | 4.0 | |
| 10061-01-5 | cis-1,3-Dichloropropene | | 0.65 | 2.0 | |
| 10061-02-6 | trans-1,3-Dichloropropene | | 0.57 | 2.0 | |
| 123-91-1 | 1,4-Dioxane | | 72 | 200 | |

# 1 - FORM I
# ANALYSIS DATA SHEET

## MW-26S

| | | | | | |
|---|---|---|---|---|---|
| Laboratory: | Pace New England | | | Work Order: | 23D0848 |
| Client: | NYDEC_GES - Amherst, NY | | | Project: | 275 Franklin St, Buffalo, NY - CO 144192 |
| Matrix: | Ground Water | Laboratory ID: | 23D0848-03 | File ID: | C22V10325.D |
| Sampled: | 04/06/23 11:05 | Prepared: | 04/13/23 07:07 | Analyzed: | 04/13/23 20:52 |
| Solids: | | Preparation: | SW-846 5030B | Dilution: | 4 |
| Initial/Final: | 5 mL / 5 mL | | | | |
| Batch: | B337043 | Sequence: | S085958 | Calibration: | 2200537 | Instrument: | GCMSVOA3 |

| CAS NO. | COMPOUND | CONC. (µg/L) | MDL | RL | Q |
|---|---|---|---|---|---|
| 100-41-4 | Ethylbenzene | | 0.88 | 4.0 | |
| 591-78-6 | 2-Hexanone (MBK) | | 4.8 | 40 | |
| 98-82-8 | Isopropylbenzene (Cumene) | | 0.60 | 4.0 | |
| 79-20-9 | Methyl Acetate | | 2.4 | 4.0 | V-05 |
| 1634-04-4 | Methyl tert-Butyl Ether (MTBE) | | 0.68 | 4.0 | |
| 108-87-2 | Methyl Cyclohexane | | 0.62 | 4.0 | |
| 75-09-2 | Methylene Chloride | | 0.71 | 20 | |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | | 5.3 | 40 | |
| 100-42-5 | Styrene | | 0.60 | 4.0 | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | | 0.55 | 2.0 | |
| 127-18-4 | Tetrachloroethylene | 290 | 0.67 | 4.0 | |
| 108-88-3 | Toluene | | 0.89 | 4.0 | |
| 87-61-6 | 1,2,3-Trichlorobenzene | | 1.4 | 20 | |
| 120-82-1 | 1,2,4-Trichlorobenzene | | 1.2 | 4.0 | |
| 71-55-6 | 1,1,1-Trichloroethane | | 0.60 | 4.0 | |
| 79-00-5 | 1,1,2-Trichloroethane | | 0.76 | 4.0 | |
| 79-01-6 | Trichloroethylene | 14 | 0.70 | 4.0 | |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | | 0.62 | 8.0 | |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1 | | 0.83 | 4.0 | |
| 75-01-4 | Vinyl Chloride | | 0.95 | 8.0 | |
| 1330-20-7 | Xylenes (total) | | 4.0 | 4.0 | |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\C041323\
Data File : C22V10325.D
Acq On : 13 Apr 2023 8:52 pm
Operator :
Sample : 23D0848-03 @ 4X Inst : GCMSVOA3
Misc : 4
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Apr 14 06:24:02 2023
Quant Method : C:\msdchem\1\methods\C080822.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
QLast Update : Thu Dec 08 06:26:11 2022
Response via : Initial Calibration

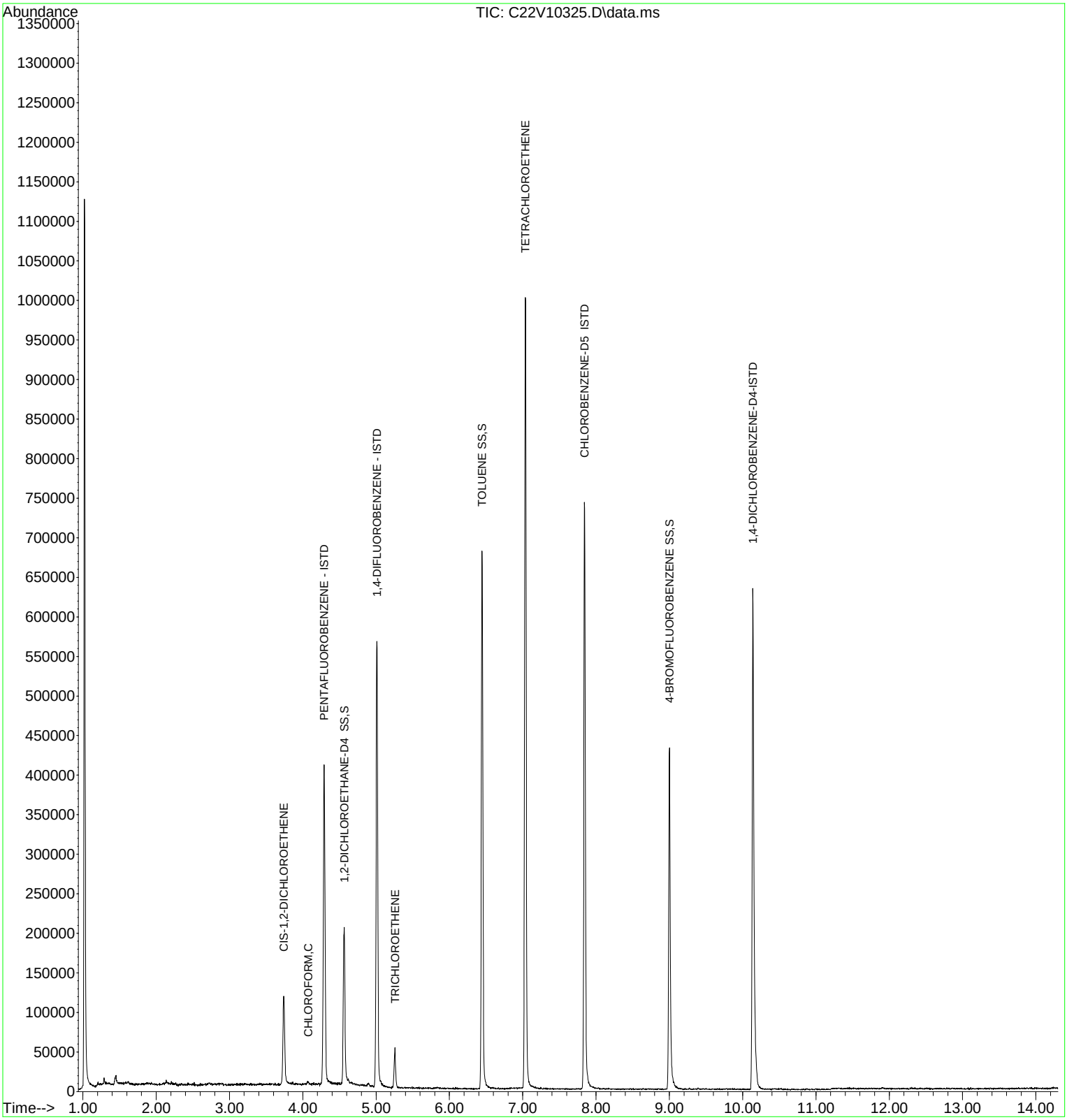
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) PENTAFLUOROBENZENE - ISTD | 4.292 | 168 | 242636 | 30.00 | UG/L | -0.02 |
| 48) 1,4-DIFLUOROBENZENE - ... | 5.011 | 114 | 383577 | 30.00 | UG/L | -0.01 |
| 70) CHLOROBENZENE-D5 ISTD | 7.842 | 82 | 194267 | 30.00 | UG/L | 0.00 |
| 89) 1,4-DICHLOROBENZENE-D4... | 10.139 | 152 | 177924 | 30.00 | UG/L | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 2) 1,2-DICHLOROETHANE-D4 SS | 4.565 | 65 | 117488 | 25.80 | UG/L | -0.01 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 103.20% | | | |
| 49) TOLUENE SS | 6.444 | 98 | 375063 | 24.69 | UG/L | -0.01 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 98.76% | | | |
| 71) 4-BROMOFLUOROBENZENE SS | 9.002 | 95 | 136173 | 23.64 | UG/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 94.56% | | | |
| Target Compounds | | | | | | Qvalue |
| 33) CIS-1,2-DICHLOROETHENE | 3.742 | 61 | 59039 | 10.63 | UG/L | 98 |
| 40) CHLOROFORM | 4.074 | 83 | 1739 | 0.28 | UG/L # | 66 |
| 51) TRICHLOROETHENE | 5.257 | 95 | 12263 | 3.46 | UG/L | 98 |
| 66) TETRACHLOROETHENE | 7.036 | 166 | 259582 | 72.30 | UG/L | 97 |

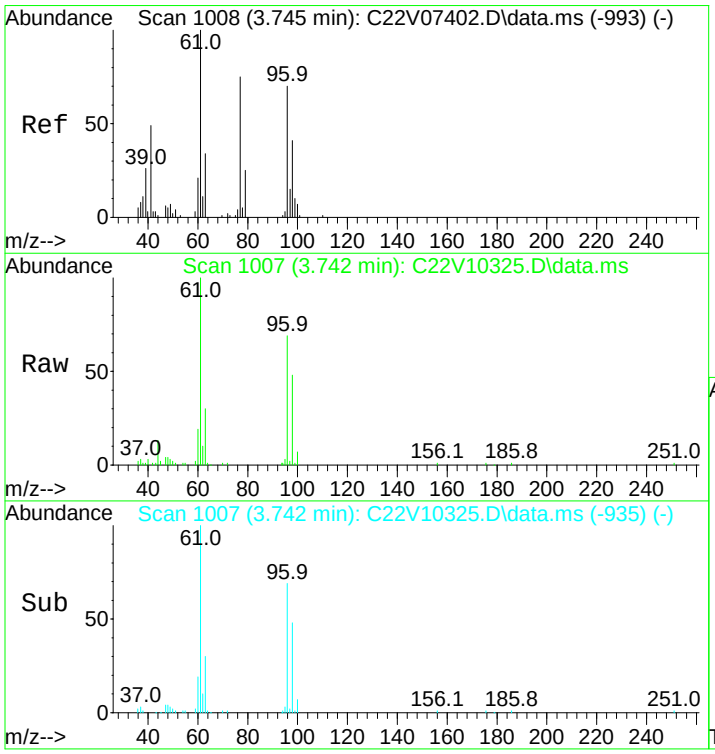
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\data\C041323\
Data File : C22V10325.D
Acq On : 13 Apr 2023 8:52 pm
Operator :
Sample : 23D0848-03 @ 4X Inst : GCMSVOA3
Misc : 4
ALS Vial : 25 Sample Multiplier: 1



Quant Time: Apr 14 06:24:02 2023
Quant Method : C:\msdchem\1\methods\C080822.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
QLast Update : Thu Dec 08 06:26:11 2022
Response via : Initial Calibration

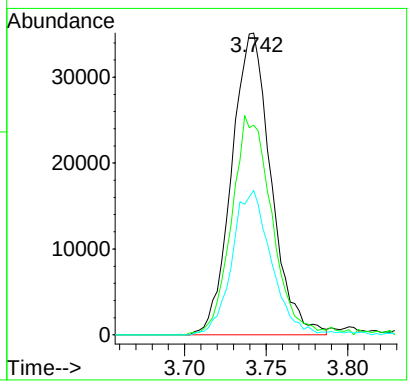


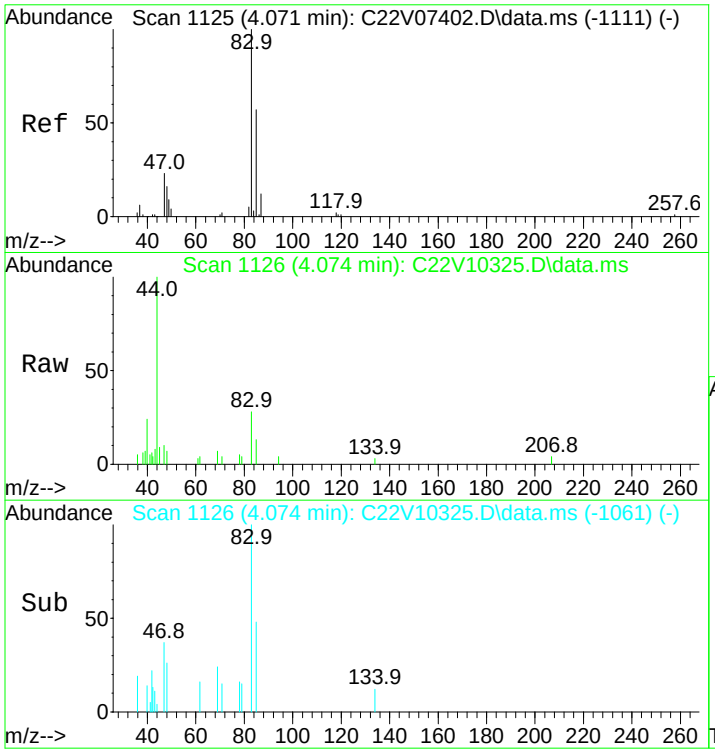



#33
CIS-1,2-DICHLOROETHENE
Concen: 10.63 UG/L
RT: 3.742 min Scan# 1007
Delta R.T. -0.014 min
Lab File: C22V10325.D
Acq: 13 Apr 2023 8:52 pm

Tgt Ion: 61 Resp: 59039

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 61 | 100 | | |
| 96 | 73.6 | 58.1 | 87.1 |
| 98 | 47.4 | 36.1 | 54.1 |

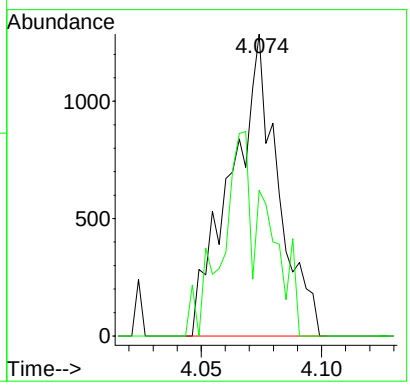


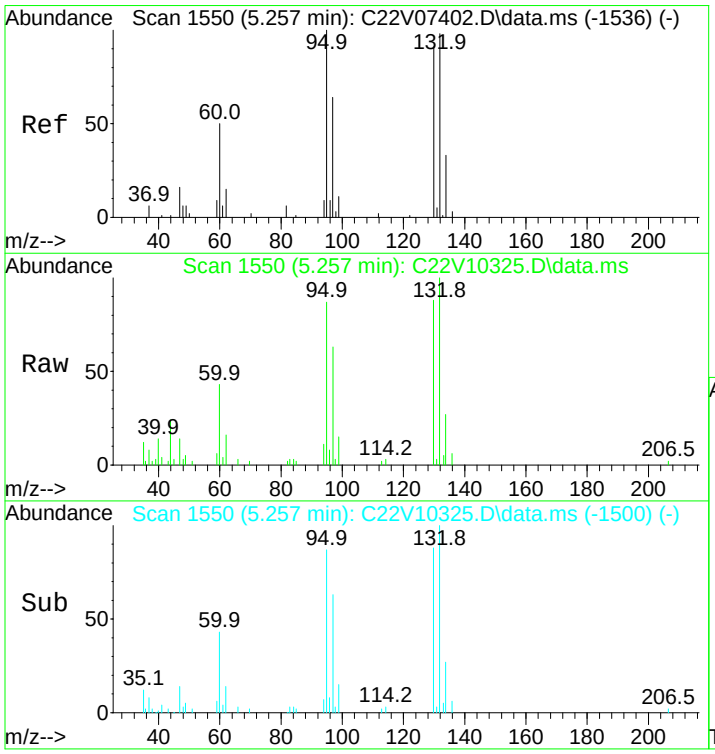




#40
CHLOROFORM
Concen: 0.28 UG/L
RT: 4.074 min Scan# 1126
Delta R.T. -0.008 min
Lab File: C22V10325.D
Acq: 13 Apr 2023 8:52 pm

Tgt Ion: 83 Resp: 1739

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 40.2 | 53.8 | 80.6# |

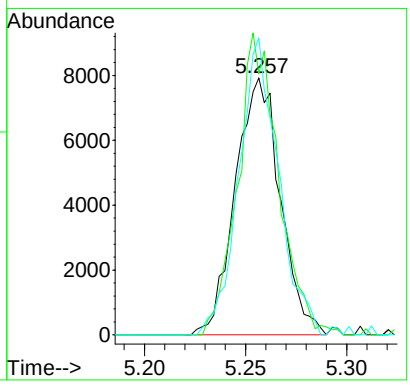


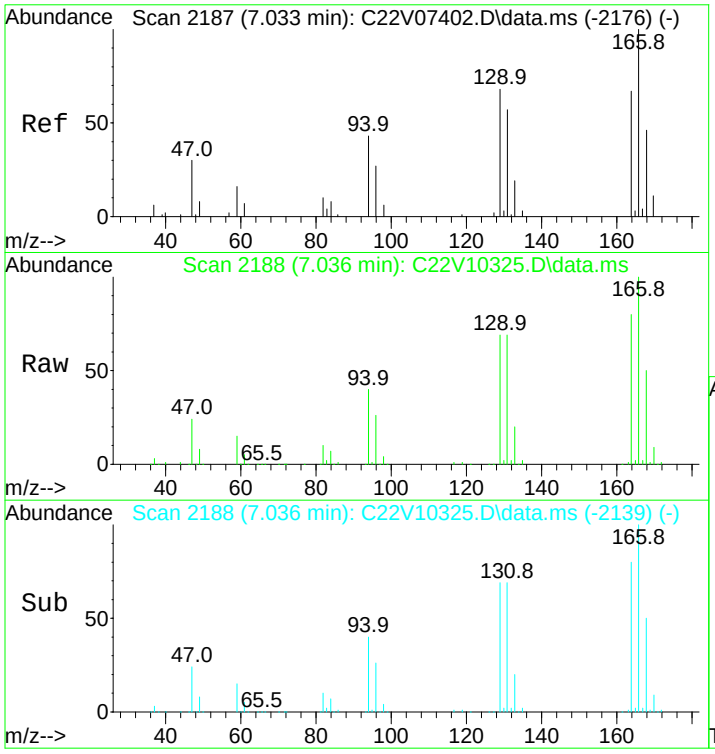



#51
TRICHLOROETHENE
Concen: 3.46 UG/L
RT: 5.257 min Scan# 1550
Delta R.T. -0.011 min
Lab File: C22V10325.D
Acq: 13 Apr 2023 8:52 pm

Tgt Ion: 95 Resp: 12263

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 130 | 107.0 | 85.7 | 128.5 |
| 132 | 101.8 | 84.7 | 127.1 |

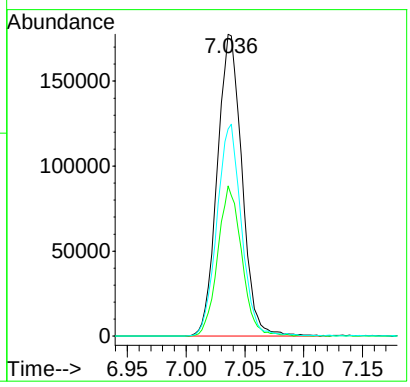



#66
TETRACHLOROETHENE
Concen: 72.30 UG/L
RT: 7.036 min Scan# 2188
Delta R.T. -0.008 min
Lab File: C22V10325.D
Acq: 13 Apr 2023 8:52 pm

Tgt Ion:166 Resp: 259582

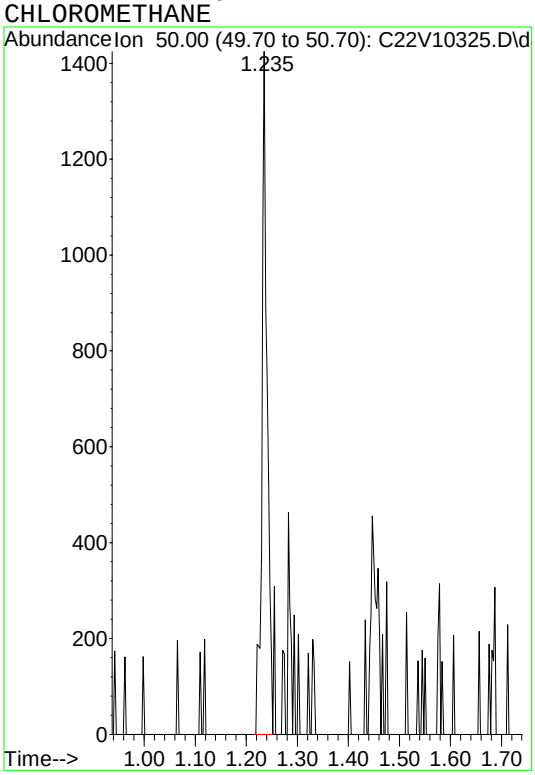
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 168 | 48.2 | 37.6 | 56.4 |
| 129 | 69.7 | 53.4 | 80.2 |



Data Path : C:\msdchem\1\data\C041323\
Data File : C22V10325.D
Acq On : 13 Apr 2023 8:52 pm
Operator :
Sample : 23D0848-03 @ 4X
Misc : 4

Quant Time : Fri Apr 14 06:24:02 2023
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Thu Dec 08 06:26:11 2022

Original Integration
CHLOROMETHANE




Original Int. Results
---

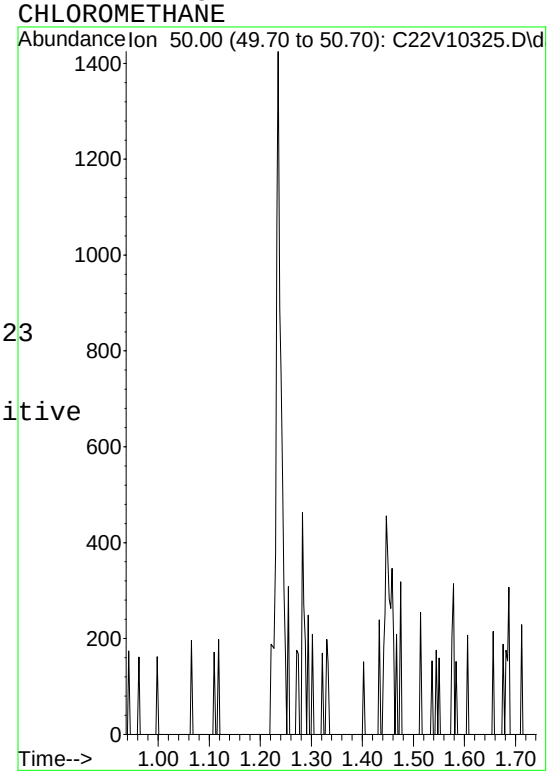
RT : 1.24
Area : 1014
Amount: 0.176696

Manual Int. Results
---

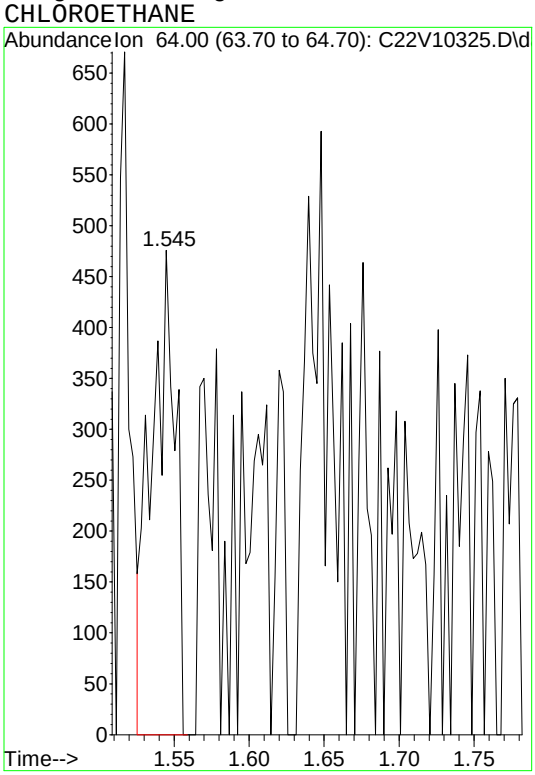
Fri Apr 14 06:20:54 2023

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

Manual Integration
CHLOROMETHANE




Original Integration
CHLOROETHANE




Original Int. Results
---

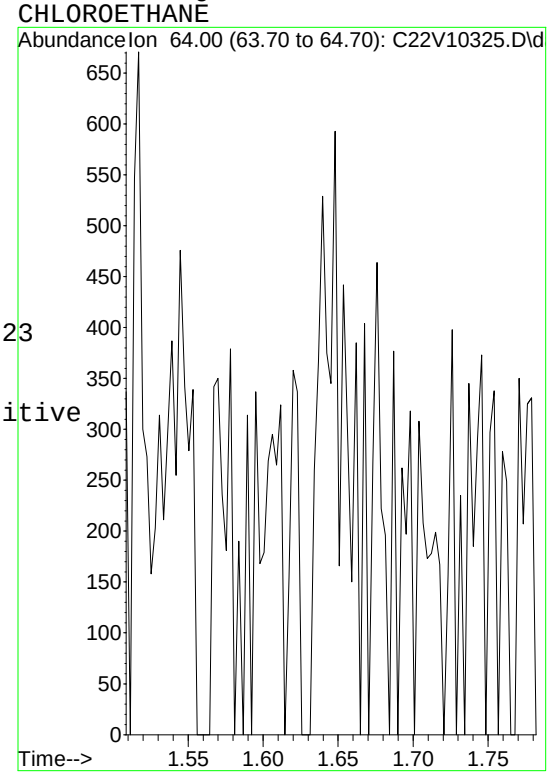
RT : 1.54
Area : 519
Amount: 0.178191

Manual Int. Results
---

Fri Apr 14 06:23:26 2023

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

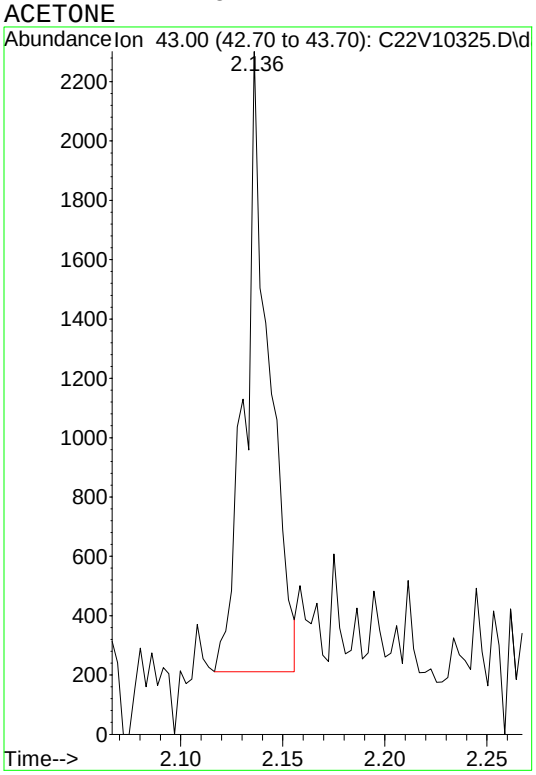
Manual Integration
CHLOROETHANE



Data Path : C:\msdchem\1\data\C041323\
Data File : C22V10325.D
Acq On : 13 Apr 2023 8:52 pm
Operator :
Sample : 23D0848-03 @ 4X
Misc : 4

Quant Time : Fri Apr 14 06:24:02 2023
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Thu Dec 08 06:26:11 2022

Original Integration
ACETONE




Original Int. Results
---

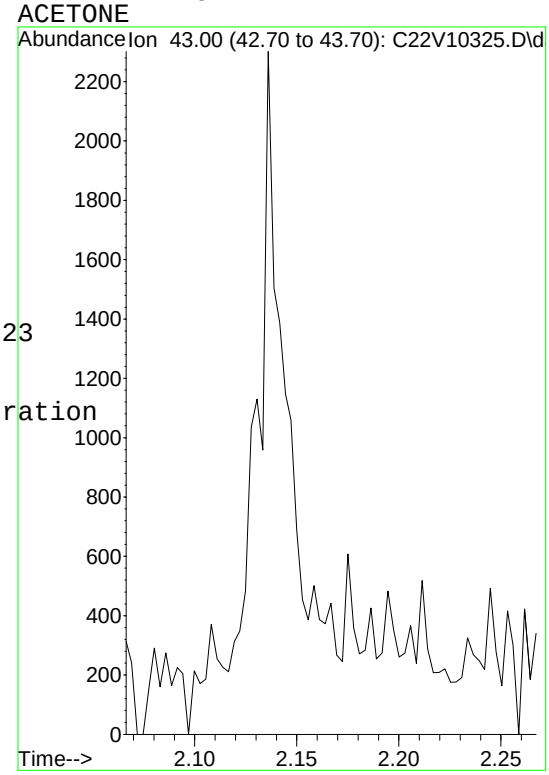
RT : 2.14
Area : 1714
Amount: 1.16382

Manual Int. Results
---

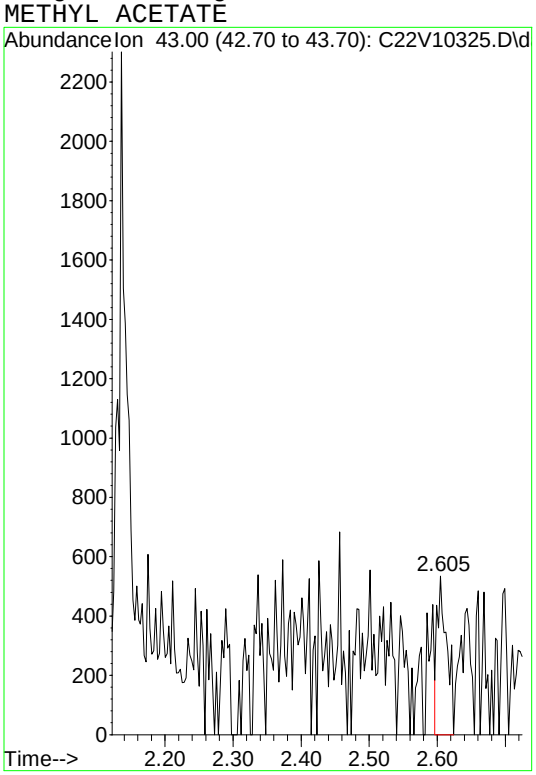
Fri Apr 14 06:23:30 2023

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

Manual Integration
ACETONE




Original Integration
METHYL ACETATE




Original Int. Results
---

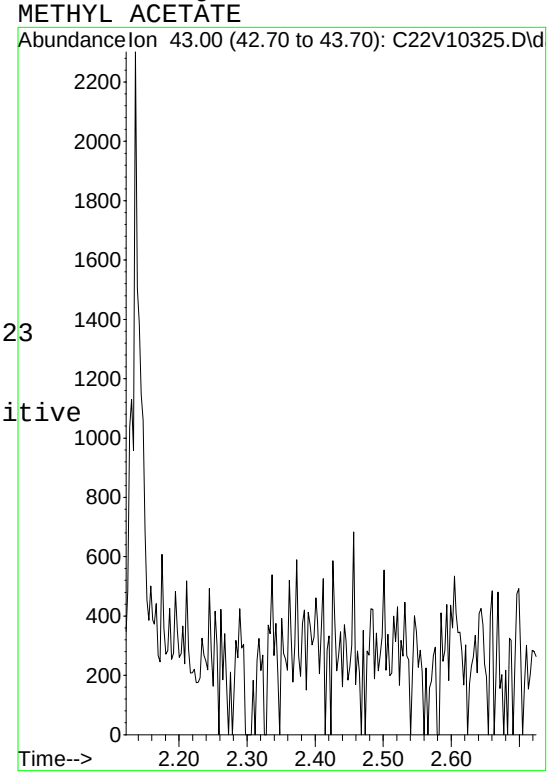
RT : 2.60
Area : 533
Amount: 0.0929675

Manual Int. Results
---

Fri Apr 14 06:23:34 2023

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

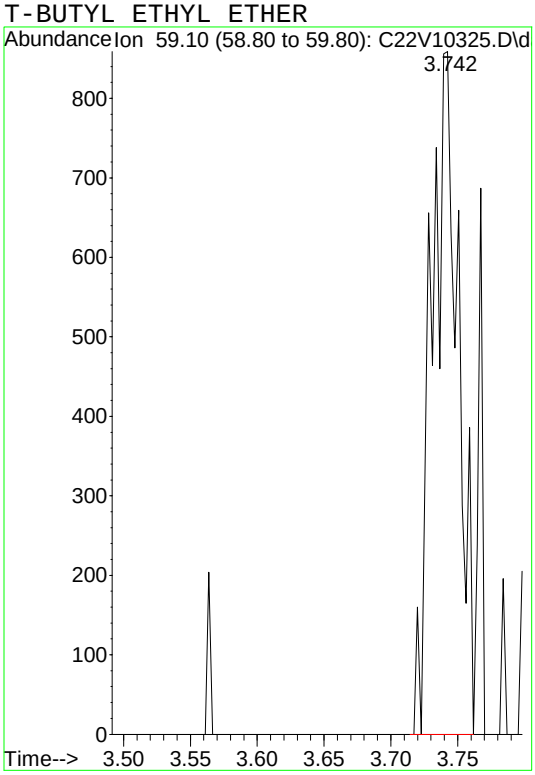
Manual Integration
METHYL ACETATE



Data Path : C:\msdchem\1\data\C041323\
Data File : C22V10325.D
Acq On : 13 Apr 2023 8:52 pm
Operator :
Sample : 23D0848-03 @ 4X
Misc : 4

Quant Time : Fri Apr 14 06:24:02 2023
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Thu Dec 08 06:26:11 2022

Original Integration
T-BUTYL ETHYL ETHER




Original Int. Results
---

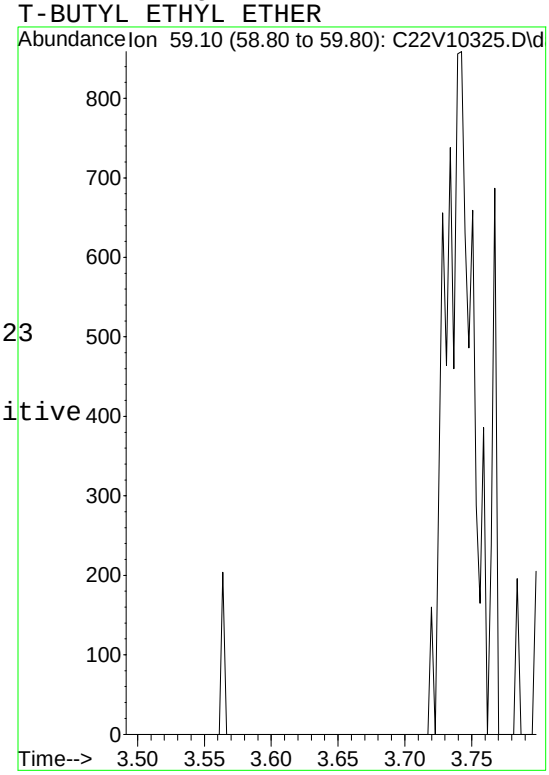
RT : 3.74
Area : 1196
Amount: 0.106896

Manual Int. Results
---

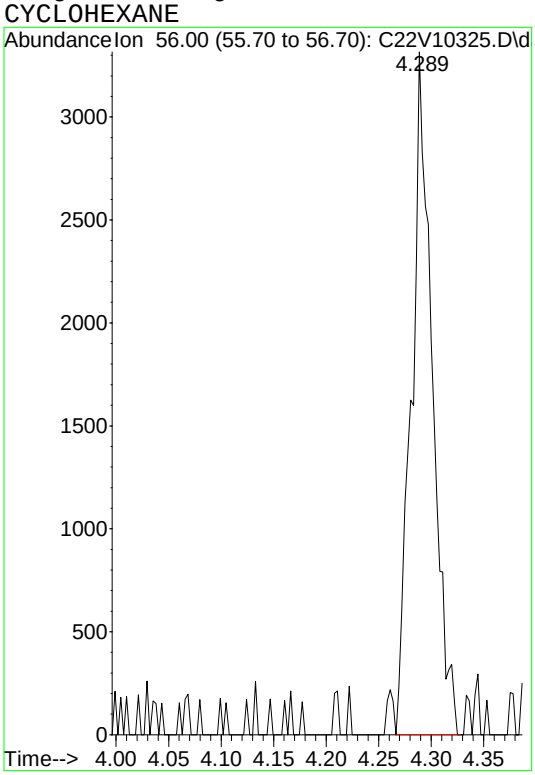
Fri Apr 14 06:23:39 2023

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

Manual Integration
T-BUTYL ETHYL ETHER




Original Integration
CYCLOHEXANE




Original Int. Results
---

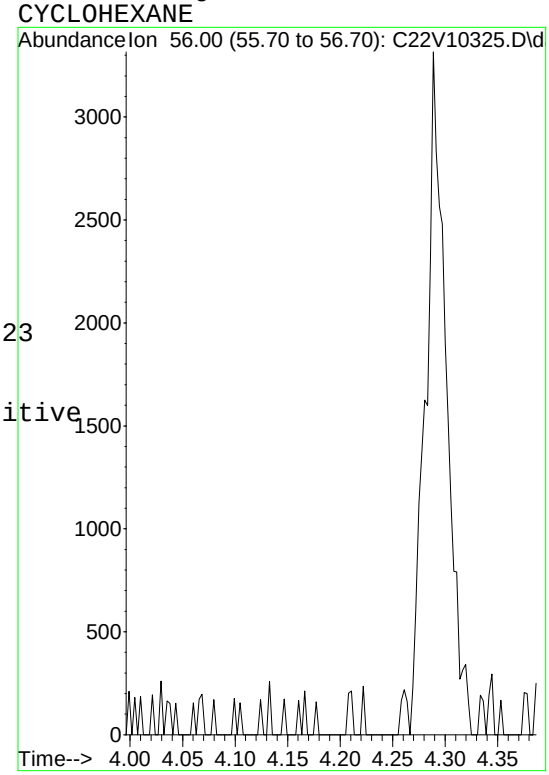
RT : 4.29
Area : 4570
Amount: 0.798071

Manual Int. Results
---

Fri Apr 14 06:23:49 2023

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

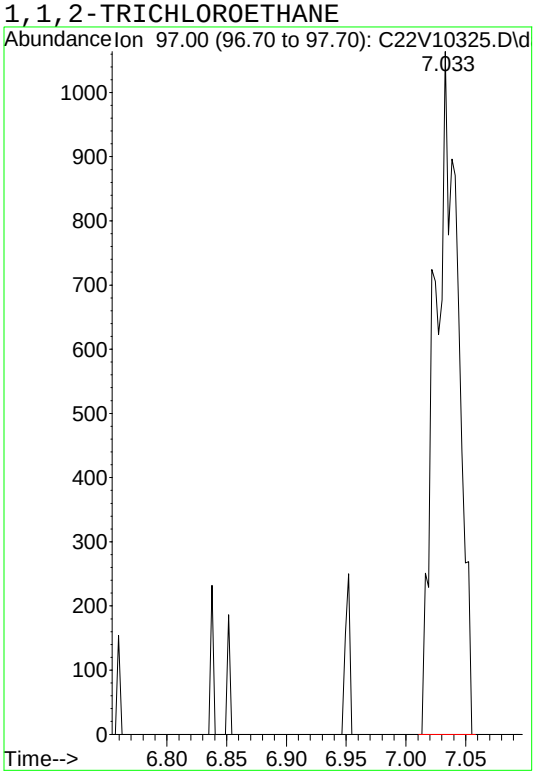
Manual Integration
CYCLOHEXANE



Data Path : C:\msdchem\1\data\C041323\
Data File : C22V10325.D
Acq On : 13 Apr 2023 8:52 pm
Operator :
Sample : 23D0848-03 @ 4X
Misc : 4

Quant Time : Fri Apr 14 06:24:02 2023
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Thu Dec 08 06:26:11 2022

Original Integration
1,1,2-TRICHLOROETHANE




Original Int. Results
---

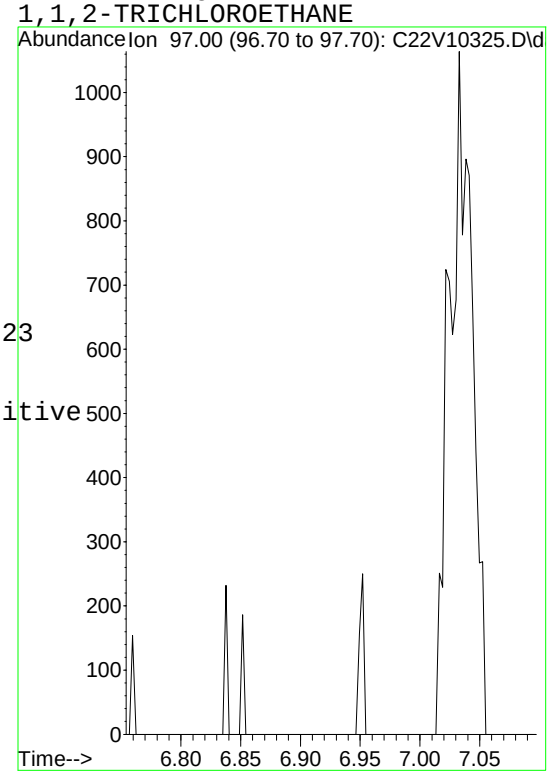
RT : 7.03
Area : 1415
Amount: 0.395662

Manual Int. Results
---

Fri Apr 14 06:24:01 2023

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

Manual Integration
1,1,2-TRICHLOROETHANE



# 1 - FORM I
# ANALYSIS DATA SHEET

## MW-25S

| | | | | | |
|---|---|---|---|---|---|
| Laboratory: | Pace New England | | | Work Order: | 23D0848 |
| Client: | NYDEC_GES - Amherst, NY | | | Project: | 275 Franklin St, Buffalo, NY - CO 144192 |
| Matrix: | Ground Water | Laboratory ID: | 23D0848-04 | File ID: | C22V10326.D |
| Sampled: | 04/06/23 12:40 | Prepared: | 04/13/23 07:07 | Analyzed: | 04/13/23 21:19 |
| Solids: | | Preparation: | SW-846 5030B | Dilution: | 4 |
| Initial/Final: | 5 mL / 5 mL | | | | |
| Batch: | B337043 | Sequence: | S085958 | Calibration: | 2200537 | Instrument: | GCMSVOA3 |

| CAS NO. | COMPOUND | CONC. (µg/L) | MDL | RL | Q |
|---|---|---|---|---|---|
| 67-64-1 | Acetone | 13 | 8.0 | 200 | J |
| 71-43-2 | Benzene | | 0.74 | 4.0 | |
| 74-97-5 | Bromochloromethane | | 1.1 | 4.0 | |
| 75-27-4 | Bromodichloromethane | | 0.63 | 2.0 | |
| 75-25-2 | Bromoform | | 1.6 | 4.0 | |
| 74-83-9 | Bromomethane | | 5.3 | 8.0 | |
| 78-93-3 | 2-Butanone (MEK) | 21 | 6.7 | 80 | J |
| 75-15-0 | Carbon Disulfide | | 6.2 | 20 | |
| 56-23-5 | Carbon Tetrachloride | | 0.65 | 20 | |
| 108-90-7 | Chlorobenzene | | 0.48 | 4.0 | |
| 124-48-1 | Chlorodibromomethane | | 0.80 | 2.0 | |
| 75-00-3 | Chloroethane | | 1.4 | 8.0 | |
| 67-66-3 | Chloroform | | 0.56 | 8.0 | |
| 74-87-3 | Chloromethane | | 2.0 | 8.0 | |
| 110-82-7 | Cyclohexane | | 7.1 | 20 | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane (DBCP) | | 3.4 | 20 | |
| 106-93-4 | 1,2-Dibromoethane (EDB) | | 0.64 | 2.0 | |
| 95-50-1 | 1,2-Dichlorobenzene | | 0.52 | 4.0 | |
| 541-73-1 | 1,3-Dichlorobenzene | | 0.55 | 4.0 | |
| 106-46-7 | 1,4-Dichlorobenzene | | 0.51 | 4.0 | |
| 75-71-8 | Dichlorodifluoromethane (Freon 12) | | 0.64 | 8.0 | |
| 75-34-3 | 1,1-Dichloroethane | | 0.55 | 4.0 | |
| 107-06-2 | 1,2-Dichloroethane | | 1.2 | 4.0 | |
| 75-35-4 | 1,1-Dichloroethylene | | 0.56 | 4.0 | |
| 156-59-2 | cis-1,2-Dichloroethylene | 210 | 0.56 | 4.0 | |
| 156-60-5 | trans-1,2-Dichloroethylene | 1.5 | 0.69 | 4.0 | J |
| 78-87-5 | 1,2-Dichloropropane | | 0.77 | 4.0 | |
| 10061-01-5 | cis-1,3-Dichloropropene | | 0.65 | 2.0 | |
| 10061-02-6 | trans-1,3-Dichloropropene | | 0.57 | 2.0 | |
| 123-91-1 | 1,4-Dioxane | | 72 | 200 | |

# 1 - FORM I
# ANALYSIS DATA SHEET

## MW-25S

| | | | | | |
|---|---|---|---|---|---|
| Laboratory: | Pace New England | | | Work Order: | 23D0848 |
| Client: | NYDEC_GES - Amherst, NY | | | Project: | 275 Franklin St, Buffalo, NY - CO 144192 |
| Matrix: | Ground Water | Laboratory ID: | 23D0848-04 | File ID: | C22V10326.D |
| Sampled: | 04/06/23 12:40 | Prepared: | 04/13/23 07:07 | Analyzed: | 04/13/23 21:19 |
| Solids: | | Preparation: | SW-846 5030B | Dilution: | 4 |
| Initial/Final: | 5 mL / 5 mL | | | | |
| Batch: | B337043 | Sequence: | S085958 | Calibration: | 2200537 | Instrument: | GCMSVOA3 |

| CAS NO. | COMPOUND | CONC. (µg/L) | MDL | RL | Q |
|---|---|---|---|---|---|
| 100-41-4 | Ethylbenzene | | 0.88 | 4.0 | |
| 591-78-6 | 2-Hexanone (MBK) | | 4.8 | 40 | |
| 98-82-8 | Isopropylbenzene (Cumene) | | 0.60 | 4.0 | |
| 79-20-9 | Methyl Acetate | | 2.4 | 4.0 | V-05 |
| 1634-04-4 | Methyl tert-Butyl Ether (MTBE) | | 0.68 | 4.0 | |
| 108-87-2 | Methyl Cyclohexane | | 0.62 | 4.0 | |
| 75-09-2 | Methylene Chloride | | 0.71 | 20 | |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | | 5.3 | 40 | |
| 100-42-5 | Styrene | | 0.60 | 4.0 | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | | 0.55 | 2.0 | |
| 127-18-4 | Tetrachloroethylene | 220 | 0.67 | 4.0 | |
| 108-88-3 | Toluene | | 0.89 | 4.0 | |
| 87-61-6 | 1,2,3-Trichlorobenzene | | 1.4 | 20 | |
| 120-82-1 | 1,2,4-Trichlorobenzene | | 1.2 | 4.0 | |
| 71-55-6 | 1,1,1-Trichloroethane | | 0.60 | 4.0 | |
| 79-00-5 | 1,1,2-Trichloroethane | | 0.76 | 4.0 | |
| 79-01-6 | Trichloroethylene | 24 | 0.70 | 4.0 | |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | | 0.62 | 8.0 | |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1 | | 0.83 | 4.0 | |
| 75-01-4 | Vinyl Chloride | | 0.95 | 8.0 | |
| 1330-20-7 | Xylenes (total) | | 4.0 | 4.0 | |

Data Path : C:\msdchem\1\data\C041323\
Data File : C22V10326.D
Acq On : 13 Apr 2023 9:19 pm
Operator :
Sample : 23D0848-04 @ 4X Inst : GCMSVOA3
Misc : 4
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Apr 14 06:25:48 2023
Quant Method : C:\msdchem\1\methods\C080822.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
QLast Update : Thu Dec 08 06:26:11 2022
Response via : Initial Calibration

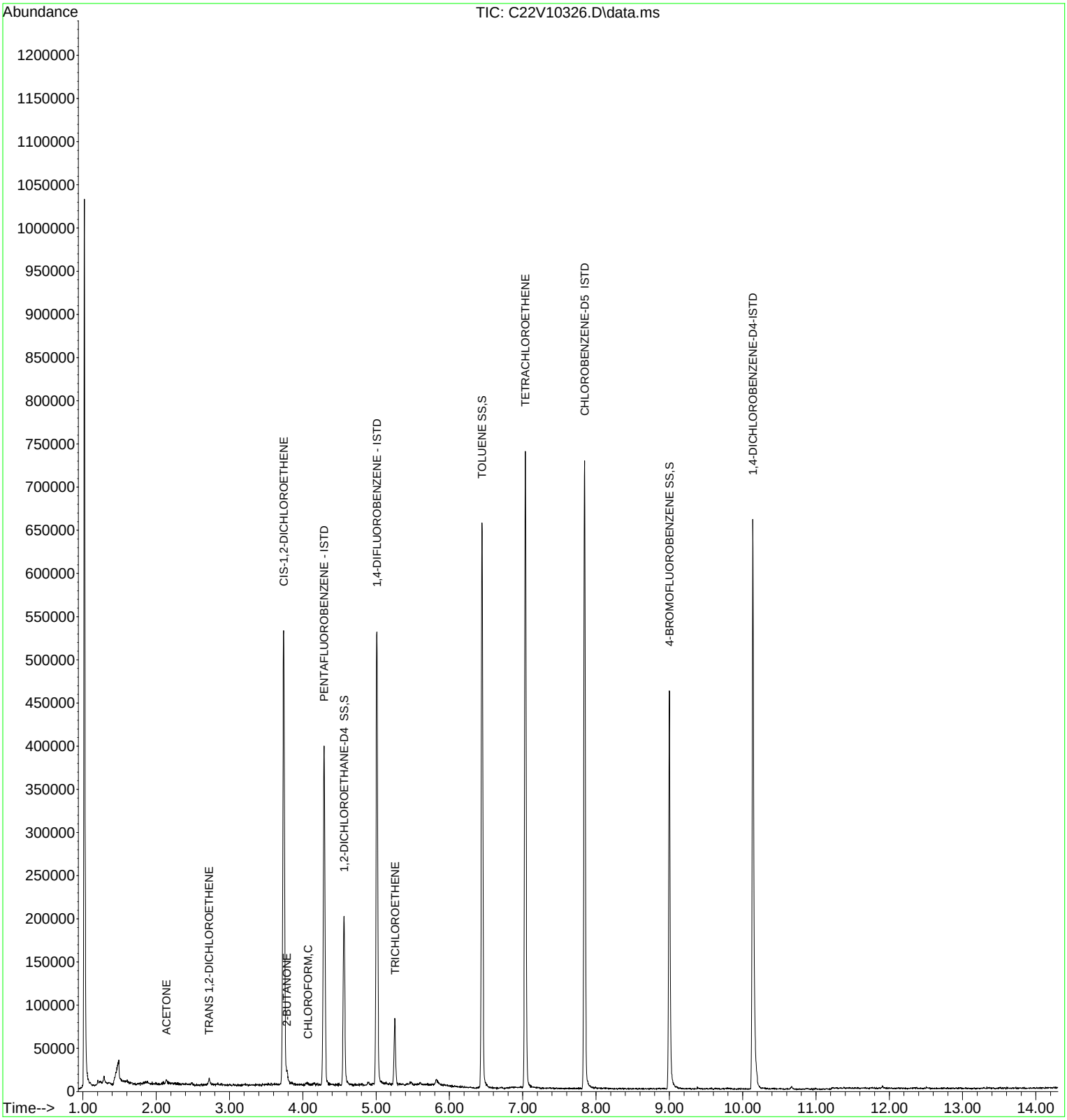
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) PENTAFLUOROBENZENE - ISTD | 4.292 | 168 | 234535 | 30.00 | UG/L | -0.02 |
| 48) 1,4-DIFLUOROBENZENE - ... | 5.011 | 114 | 356314 | 30.00 | UG/L | -0.01 |
| 70) CHLOROBENZENE-D5 ISTD | 7.844 | 82 | 183445 | 30.00 | UG/L | 0.00 |
| 89) 1,4-DICHLOROBENZENE-D4... | 10.139 | 152 | 173794 | 30.00 | UG/L | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 2) 1,2-DICHLOROETHANE-D4 SS | 4.562 | 65 | 113634 | 25.82 | UG/L | -0.02 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 103.28% | | | |
| 49) TOLUENE SS | 6.444 | 98 | 358988 | 25.44 | UG/L | -0.01 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 101.76% | | | |
| 71) 4-BROMOFLUOROBENZENE SS | 8.999 | 95 | 129774 | 23.86 | UG/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 95.44% | | | |
| Target Compounds | | | | | | Qvalue |
| 14) ACETONE | 2.139 | 43 | 4535 | 3.19 | UG/L # | 81 |
| 26) TRANS 1,2-DICHLOROETHENE | 2.719 | 61 | 1804 | 0.37 | UG/L # | 60 |
| 31) 2-BUTANONE | 3.781 | 43 | 10878 | 5.28 | UG/L # | 82 |
| 33) CIS-1,2-DICHLOROETHENE | 3.739 | 61 | 276367 | 51.50 | UG/L | 99 |
| 40) CHLOROFORM | 4.071 | 83 | 656 | 0.11 | UG/L # | 16 |
| 51) TRICHLOROETHENE | 5.256 | 95 | 19859 | 6.04 | UG/L | 94 |
| 66) TETRACHLOROETHENE | 7.036 | 166 | 184410 | 55.29 | UG/L | 97 |

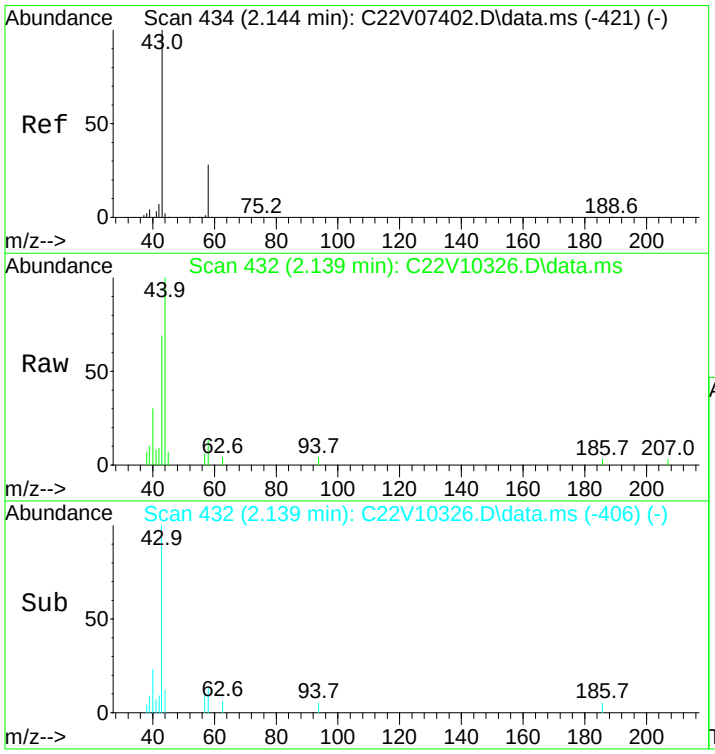
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\data\C041323\
Data File : C22V10326.D
Acq On : 13 Apr 2023 9:19 pm
Operator :
Sample : 23D0848-04 @ 4X Inst : GCMSVOA3
Misc : 4
ALS Vial : 26 Sample Multiplier: 1



Quant Time: Apr 14 06:25:48 2023
Quant Method : C:\msdchem\1\methods\C080822.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
QLast Update : Thu Dec 08 06:26:11 2022
Response via : Initial Calibration

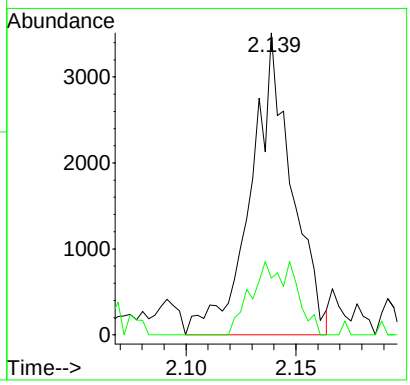


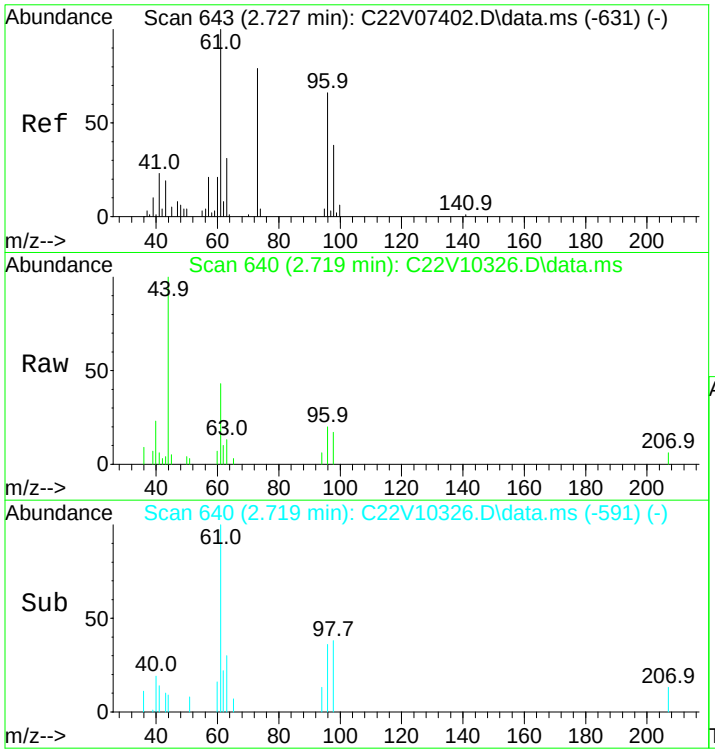



#14
ACETONE
Concen: 3.19 UG/L
RT: 2.139 min Scan# 432
Delta R.T. -0.022 min
Lab File: C22V10326.D
Acq: 13 Apr 2023 9:19 pm

Tgt Ion: 43 Resp: 4535

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 17.8 | 22.1 | 33.1# |

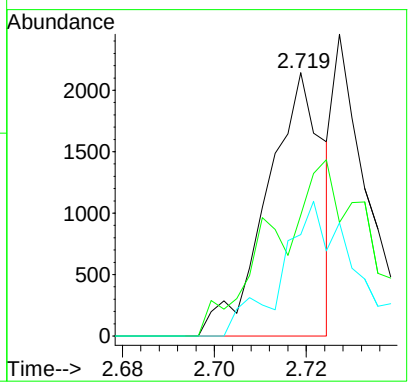


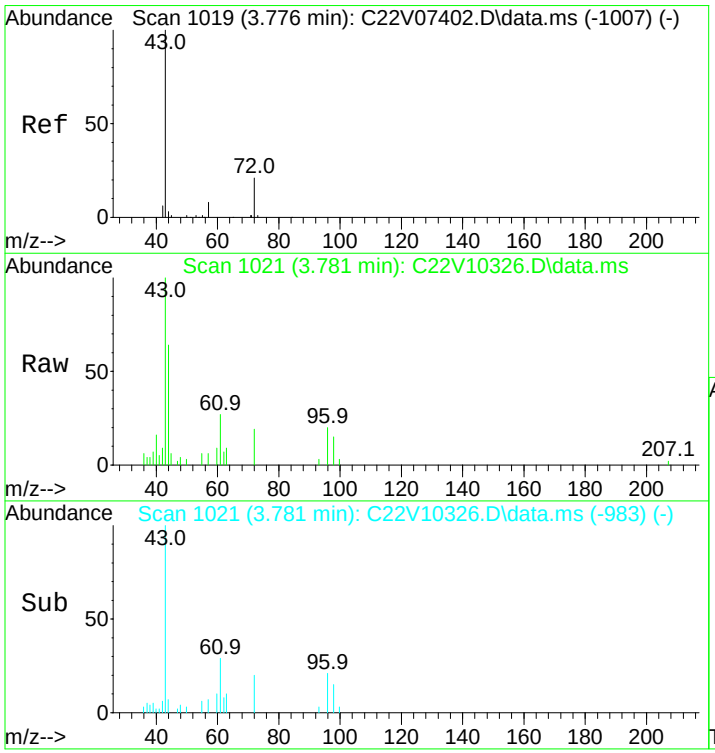




#26
TRANS 1,2-DICHLOROETHENE
Concen: 0.37 UG/L
RT: 2.719 min Scan# 640
Delta R.T. -0.020 min
Lab File: C22V10326.D
Acq: 13 Apr 2023 9:19 pm

Tgt Ion: 61 Resp: 1804

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 61 | 100 | | |
| 96 | 109.9 | 57.4 | 86.2# |
| 98 | 65.1 | 36.2 | 54.4# |

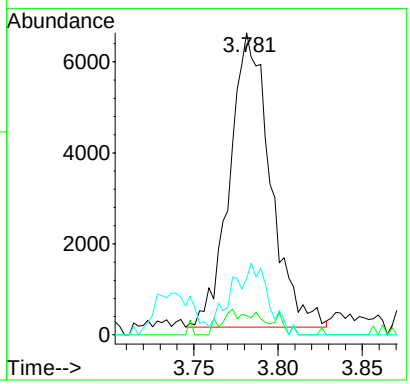


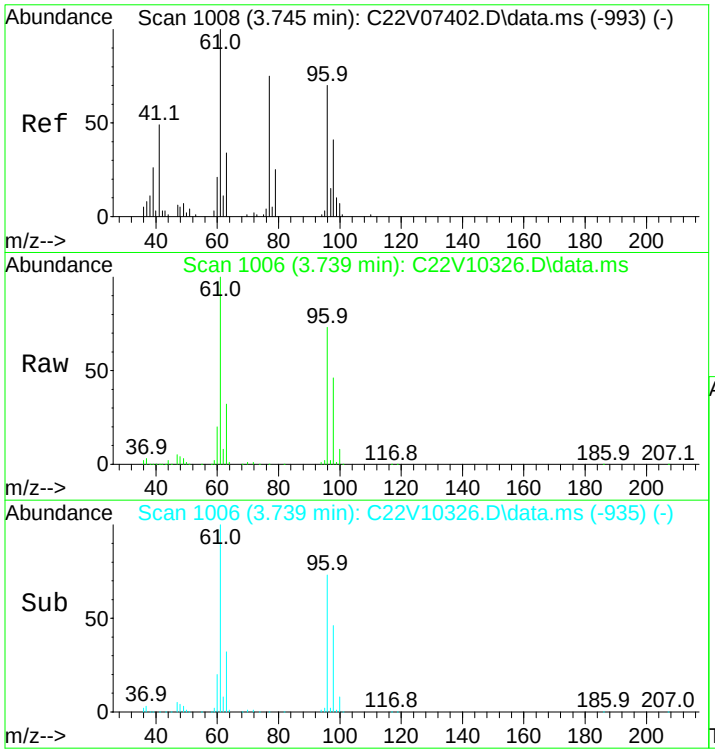



#31
2-BUTANONE
Concen: 5.28 UG/L
RT: 3.781 min Scan# 1021
Delta R.T. -0.028 min
Lab File: C22V10326.D
Acq: 13 Apr 2023 9:19 pm

Tgt Ion: 43 Resp: 10878

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 57 | 0.0 | 5.8 | 8.6# |
| 72 | 13.4 | 17.0 | 25.4# |

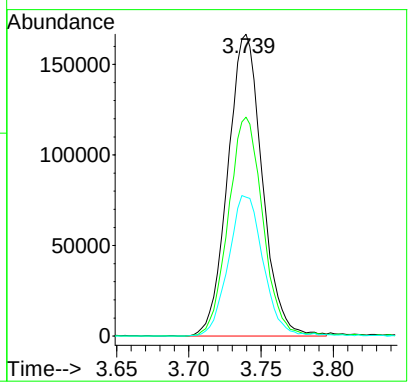


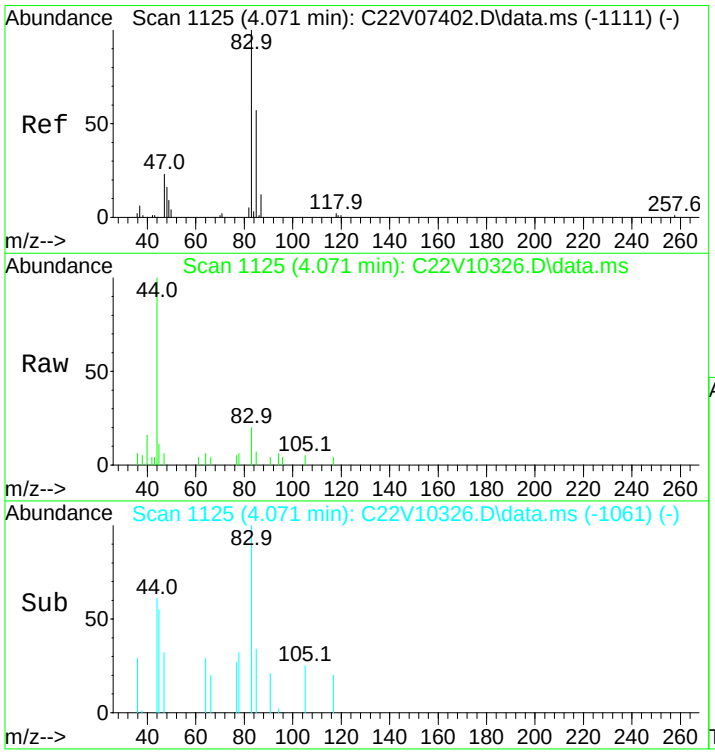




#33
CIS-1,2-DICHLOROETHENE
Concen: 51.50 UG/L
RT: 3.739 min Scan# 1006
Delta R.T. -0.017 min
Lab File: C22V10326.D
Acq: 13 Apr 2023 9:19 pm

Tgt Ion: 61 Resp: 276367

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 61 | 100 | | |
| 96 | 72.4 | 58.1 | 87.1 |
| 98 | 47.1 | 36.1 | 54.1 |

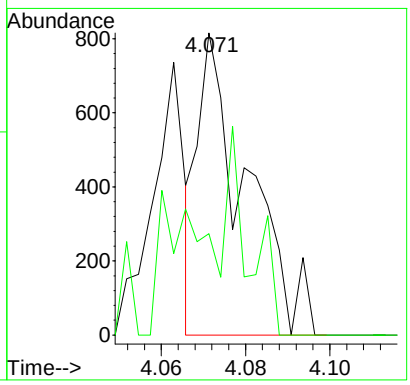


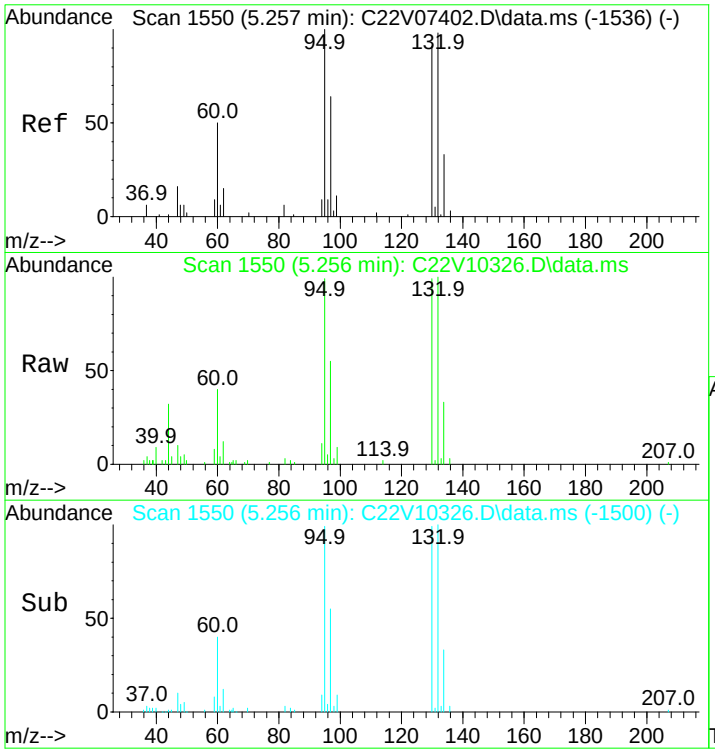



#40
CHLOROFORM
Concen: 0.11 UG/L
RT: 4.071 min Scan# 1125
Delta R.T. -0.011 min
Lab File: C22V10326.D
Acq: 13 Apr 2023 9:19 pm

Tgt Ion: 83 Resp: 656

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 0.0 | 53.8 | 80.6# |

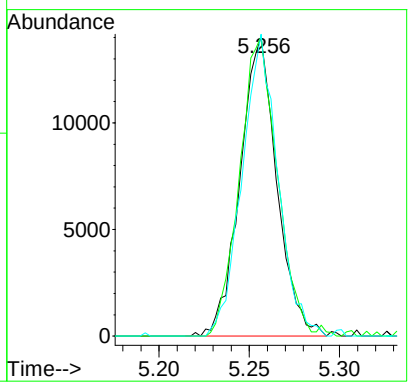


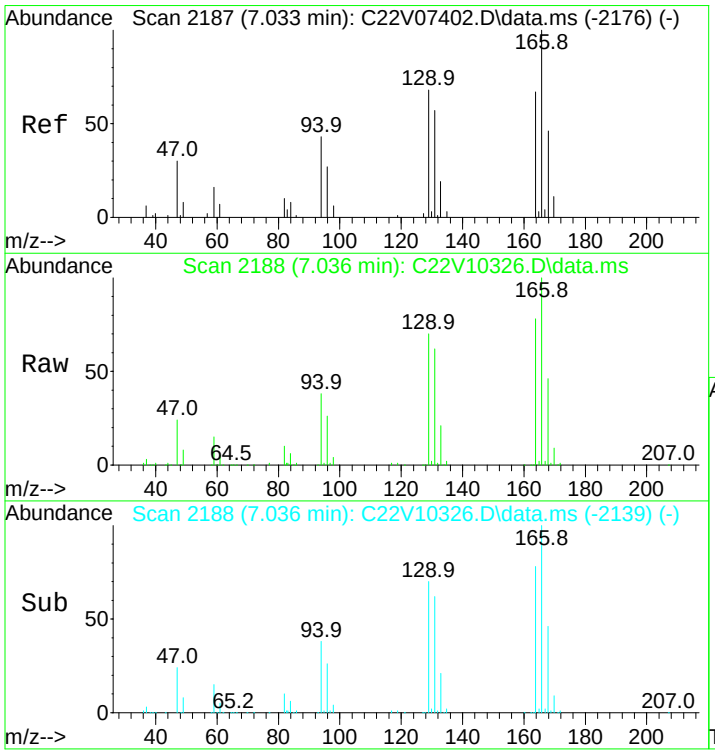




#51
TRICHLOROETHENE
Concen: 6.04 UG/L
RT: 5.256 min Scan# 1550
Delta R.T. -0.011 min
Lab File: C22V10326.D
Acq: 13 Apr 2023 9:19 pm

Tgt Ion: 95 Resp: 19859

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 130 | 102.6 | 85.7 | 128.5 |
| 132 | 98.2 | 84.7 | 127.1 |

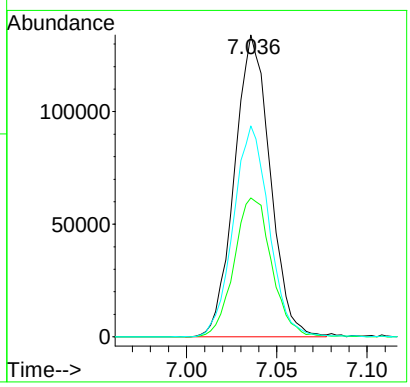





#66
TETRACHLOROETHENE
Concen: 55.29 UG/L
RT: 7.036 min Scan# 2188
Delta R.T. -0.008 min
Lab File: C22V10326.D
Acq: 13 Apr 2023 9:19 pm

Tgt Ion:166 Resp: 184410

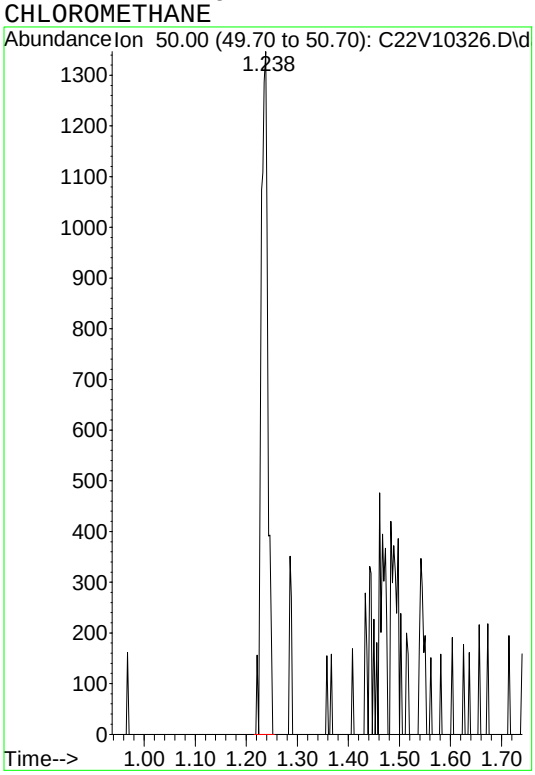
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 168 | 48.4 | 37.6 | 56.4 |
| 129 | 70.1 | 53.4 | 80.2 |



Data Path : C:\msdchem\1\data\C041323\
Data File : C22V10326.D
Acq On : 13 Apr 2023 9:19 pm
Operator :
Sample : 23D0848-04 @ 4X
Misc : 4

Quant Time : Fri Apr 14 06:25:48 2023
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Thu Dec 08 06:26:11 2022

Original Integration
CHLOROMETHANE




Original Int. Results
---

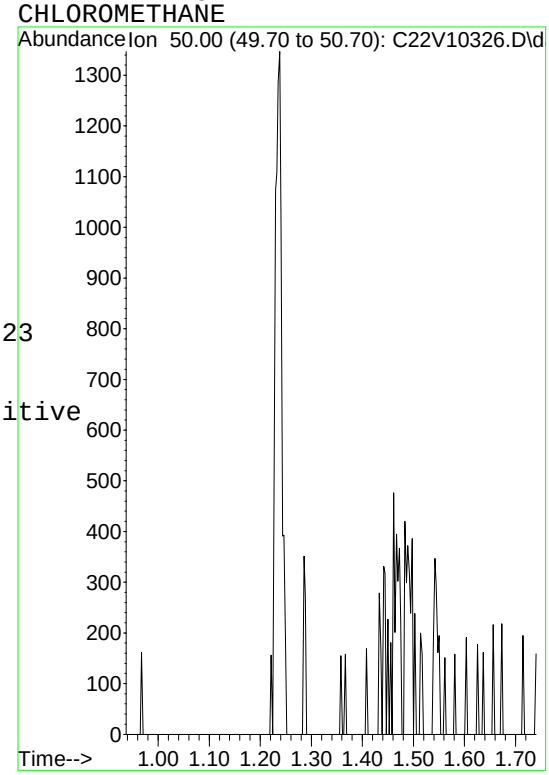
RT : 1.24
Area : 1239
Amount: 0.223361

Manual Int. Results
---

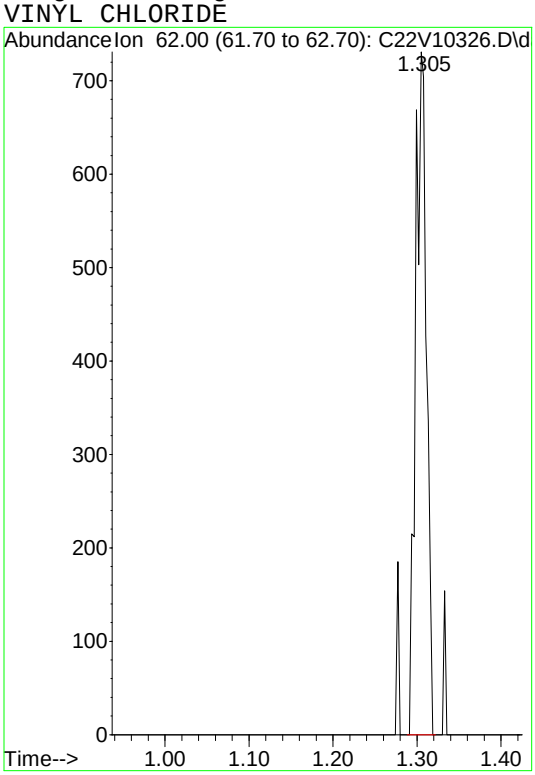
Fri Apr 14 06:25:01 2023

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

Manual Integration
CHLOROMETHANE




Original Integration
VINYL CHLORIDE




Original Int. Results
---

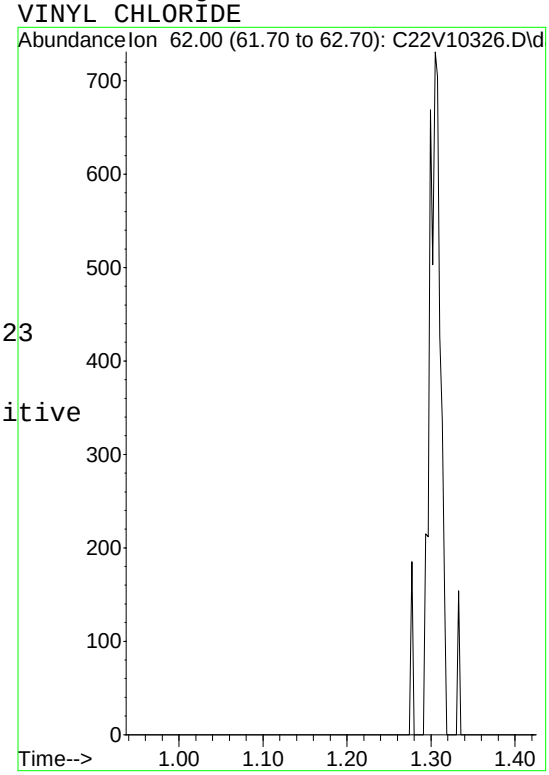
RT : 1.30
Area : 661
Amount: 0.161925

Manual Int. Results
---

Fri Apr 14 06:25:04 2023

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

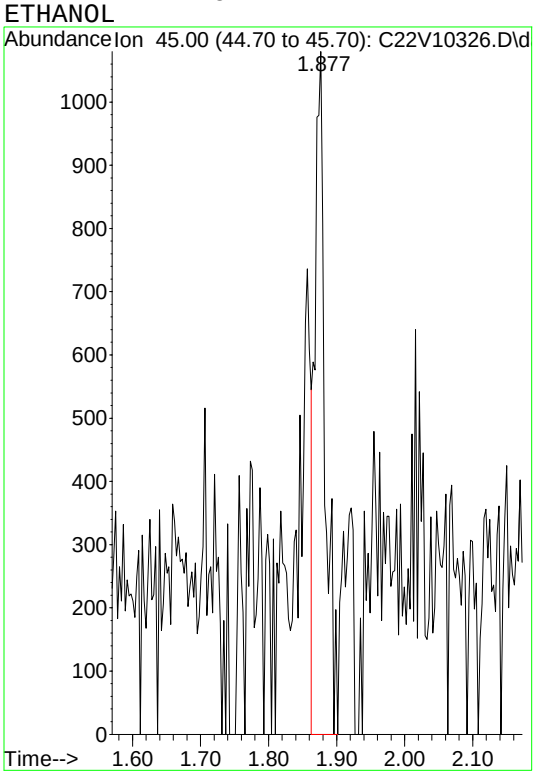
Manual Integration
VINYL CHLORIDE



Data Path : C:\msdchem\1\data\C041323\
Data File : C22V10326.D
Acq On : 13 Apr 2023 9:19 pm
Operator :
Sample : 23D0848-04 @ 4X
Misc : 4

Quant Time : Fri Apr 14 06:25:48 2023
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Thu Dec 08 06:26:11 2022

Original Integration
ETHANOL




Original Int. Results
---

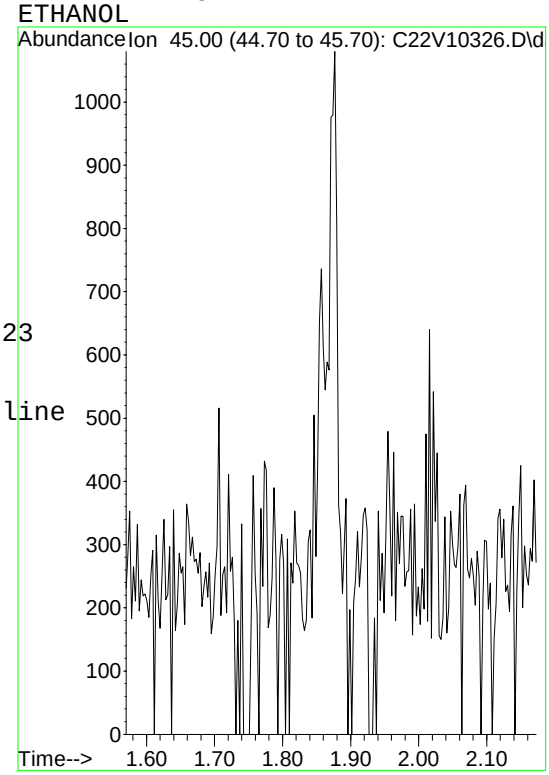
RT : 1.88
Area : 1136
Amount: 14.0164

Manual Int. Results
---

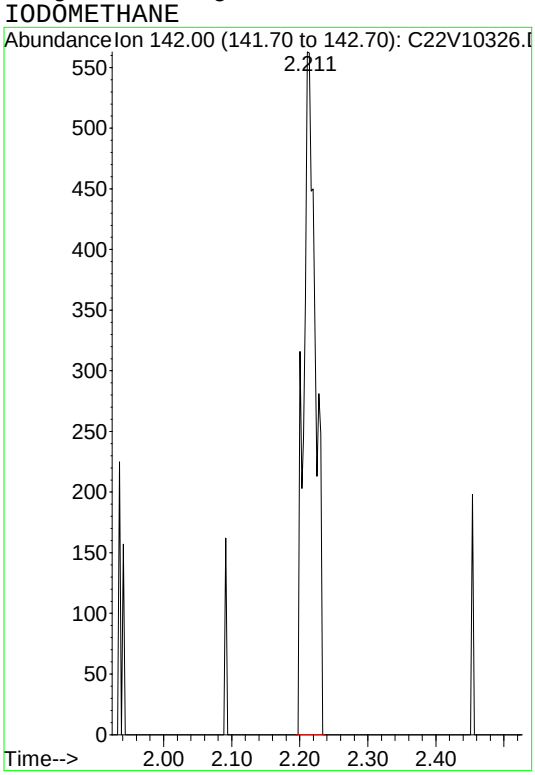
Fri Apr 14 06:25:08 2023

MIuser: MFF
Reason: Incorrect Baseline
RT : 0.00
Area : 0
Amount: 0

Manual Integration
ETHANOL




Original Integration
IODOMETHANE




Original Int. Results
---

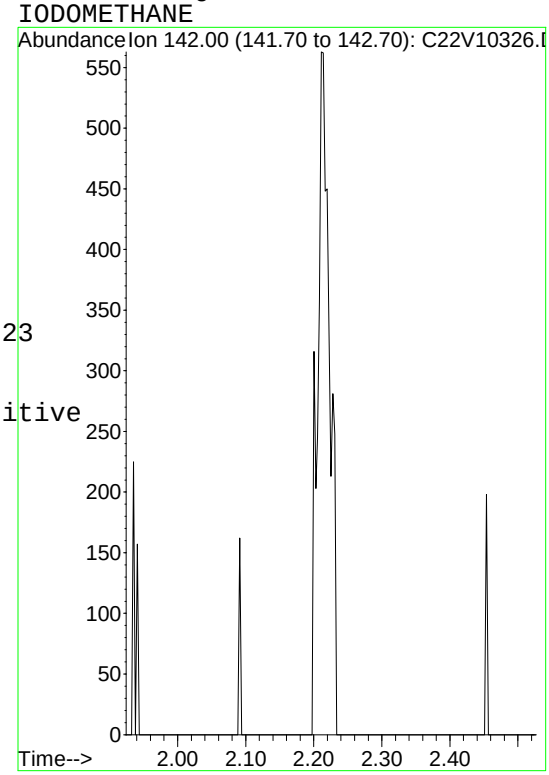
RT : 2.21
Area : 706
Amount: 0.166615

Manual Int. Results
---

Fri Apr 14 06:25:15 2023

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

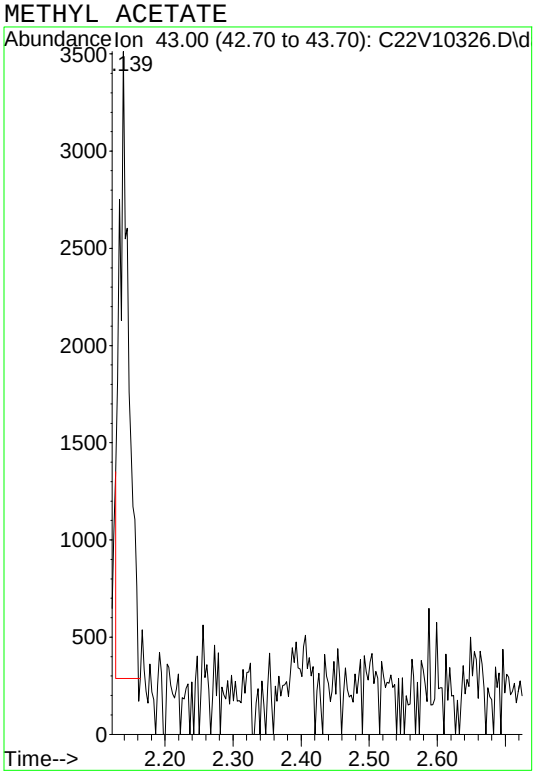
Manual Integration
IODOMETHANE



Data Path : C:\msdchem\1\data\C041323\
Data File : C22V10326.D
Acq On : 13 Apr 2023 9:19 pm
Operator :
Sample : 23D0848-04 @ 4X
Misc : 4

Quant Time : Fri Apr 14 06:25:48 2023
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Thu Dec 08 06:26:11 2022

Original Integration
METHYL ACETATE




Original Int. Results
---

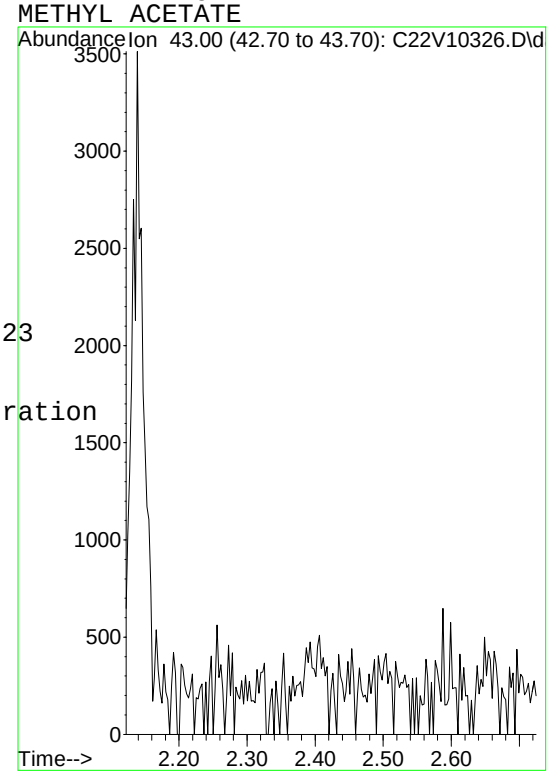
RT : 2.14
Area : 3075
Amount: 0.554877

Manual Int. Results
---

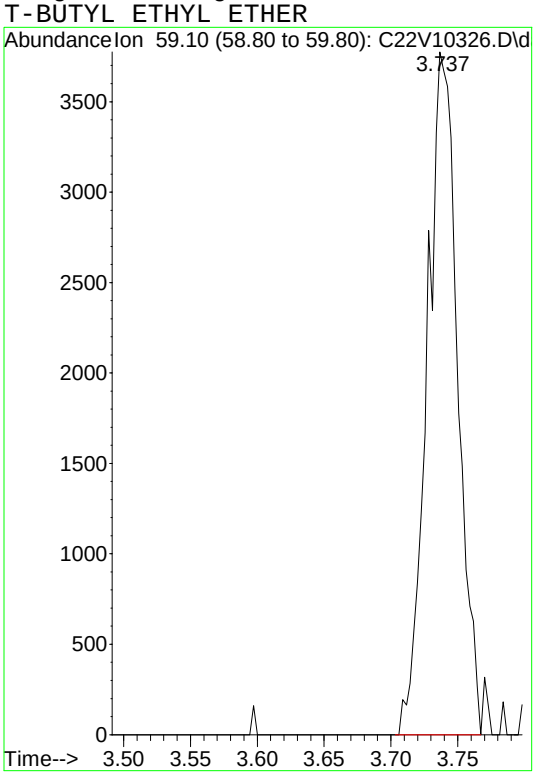
Fri Apr 14 06:25:18 2023

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

Manual Integration
METHYL ACETATE




Original Integration
T-BUTYL ETHYL ETHER




Original Int. Results
---

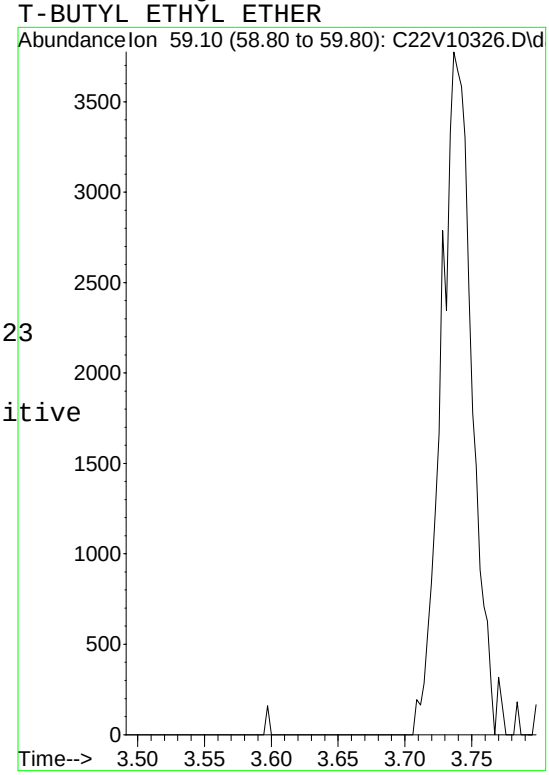
RT : 3.74
Area : 6025
Amount: 0.557101

Manual Int. Results
---

Fri Apr 14 06:25:29 2023

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

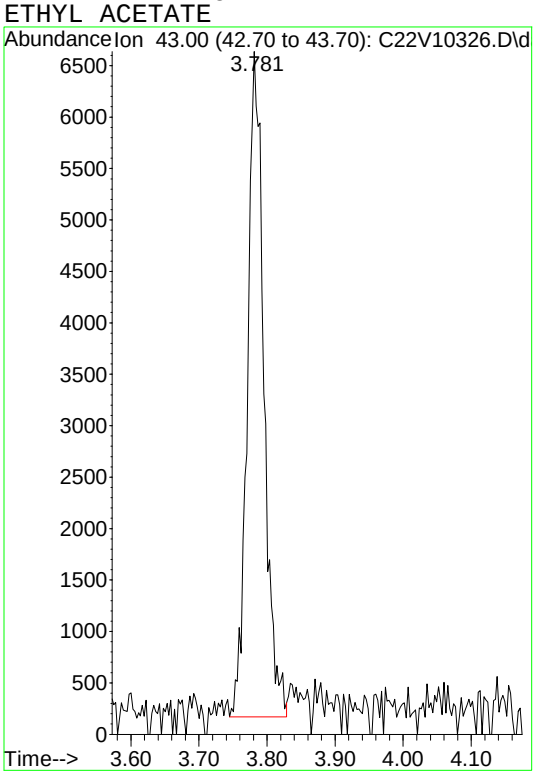
Manual Integration
T-BUTYL ETHYL ETHER



Data Path : C:\msdchem\1\data\C041323\
Data File : C22V10326.D
Acq On : 13 Apr 2023 9:19 pm
Operator :
Sample : 23D0848-04 @ 4X
Misc : 4

Quant Time : Fri Apr 14 06:25:48 2023
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Thu Dec 08 06:26:11 2022

Original Integration
ETHYL ACETATE




Original Int. Results
---

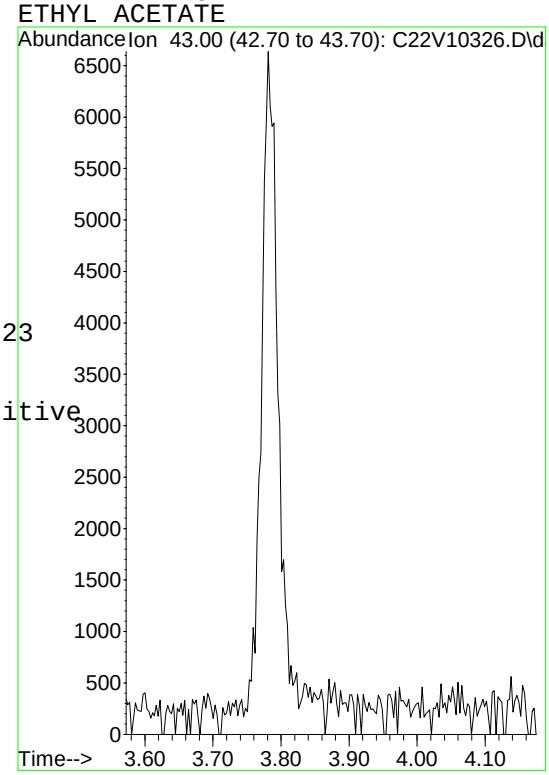
RT : 3.78
Area : 10878
Amount: 2.13866

Manual Int. Results
---

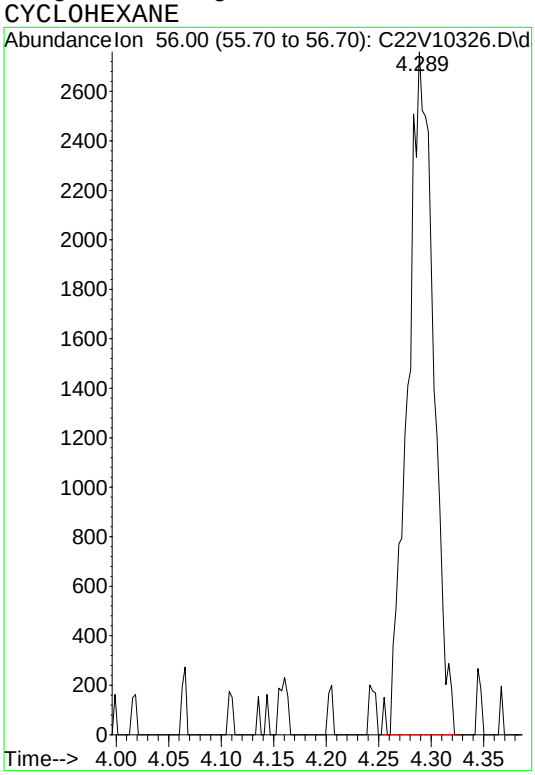
Fri Apr 14 06:25:36 2023

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

Manual Integration
ETHYL ACETATE




Original Integration
CYCLOHEXANE




Original Int. Results
---

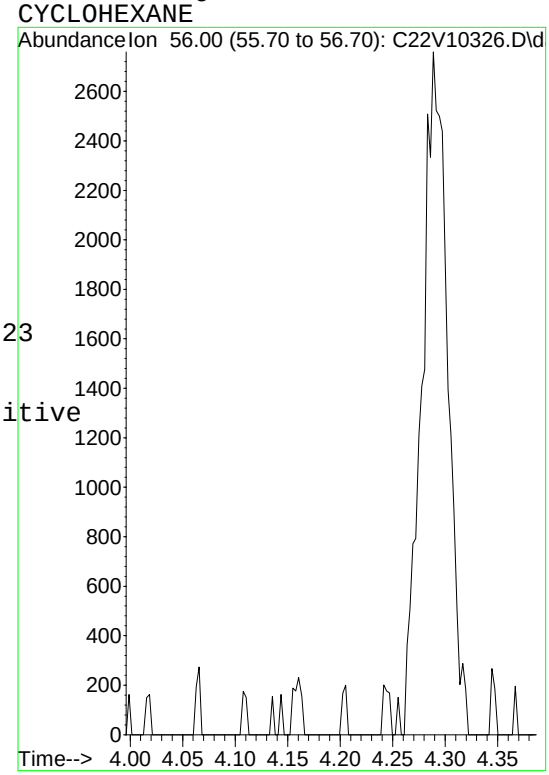
RT : 4.29
Area : 4746
Amount: 0.857434

Manual Int. Results
---

Fri Apr 14 06:25:41 2023

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

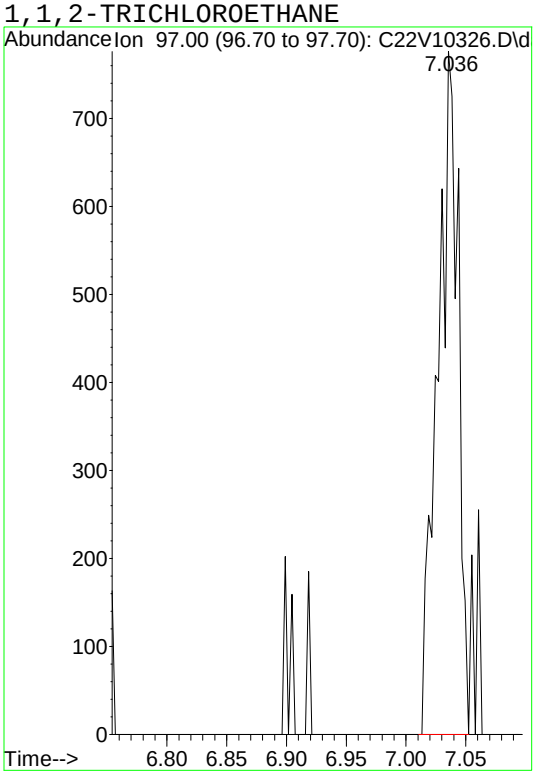
Manual Integration
CYCLOHEXANE



Data Path : C:\msdchem\1\data\C041323\
Data File : C22V10326.D
Acq On : 13 Apr 2023 9:19 pm
Operator :
Sample : 23D0848-04 @ 4X
Misc : 4

Quant Time : Fri Apr 14 06:25:48 2023
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Thu Dec 08 06:26:11 2022

Original Integration
1,1,2-TRICHLOROETHANE




Original Int. Results
---

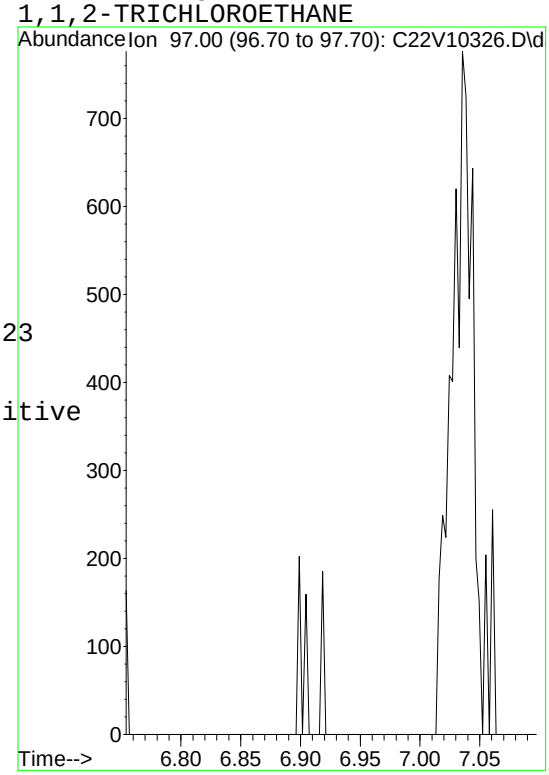
RT : 7.04
Area : 921
Amount: 0.277234

Manual Int. Results
---

Fri Apr 14 06:25:48 2023

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

Manual Integration
1,1,2-TRICHLOROETHANE



# 1 - FORM I
# ANALYSIS DATA SHEET

## MW-23D

| | | | | | |
|---|---|---|---|---|---|
| Laboratory: | Pace New England | | | Work Order: | 23D0848 |
| Client: | NYDEC_GES - Amherst, NY | | | Project: | 275 Franklin St, Buffalo, NY - CO 144192 |
| Matrix: | Ground Water | Laboratory ID: | 23D0848-05 | File ID: | C22V10324.D |
| Sampled: | 04/06/23 15:15 | Prepared: | 04/13/23 07:07 | Analyzed: | 04/13/23 20:25 |
| Solids: | | Preparation: | SW-846 5030B | Dilution: | 1 |
| Initial/Final: | 5 mL / 5 mL | | | | |
| Batch: | B337043 | Sequence: | S085958 | Calibration: | 2200537 | Instrument: | GCMSVOA3 |

| CAS NO. | COMPOUND | CONC. (µg/L) | MDL | RL | Q |
|---|---|---|---|---|---|
| 67-64-1 | Acetone | | 2.0 | 50 | |
| 71-43-2 | Benzene | | 0.18 | 1.0 | |
| 74-97-5 | Bromochloromethane | | 0.28 | 1.0 | |
| 75-27-4 | Bromodichloromethane | | 0.16 | 0.50 | |
| 75-25-2 | Bromoform | | 0.41 | 1.0 | |
| 74-83-9 | Bromomethane | | 1.3 | 2.0 | |
| 78-93-3 | 2-Butanone (MEK) | | 1.7 | 20 | |
| 75-15-0 | Carbon Disulfide | | 1.6 | 5.0 | |
| 56-23-5 | Carbon Tetrachloride | | 0.16 | 5.0 | |
| 108-90-7 | Chlorobenzene | | 0.12 | 1.0 | |
| 124-48-1 | Chlorodibromomethane | | 0.20 | 0.50 | |
| 75-00-3 | Chloroethane | | 0.34 | 2.0 | |
| 67-66-3 | Chloroform | 0.31 | 0.14 | 2.0 | J |
| 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) | | 0.85 | 5.0 | |
| 106-93-4 | 1,2-Dibromoethane (EDB) | | 0.16 | 0.50 | |
| 95-50-1 | 1,2-Dichlorobenzene | | 0.13 | 1.0 | |
| 541-73-1 | 1,3-Dichlorobenzene | | 0.14 | 1.0 | |
| 106-46-7 | 1,4-Dichlorobenzene | | 0.13 | 1.0 | |
| 75-71-8 | Dichlorodifluoromethane (Freon 12) | | 0.16 | 2.0 | |
| 75-34-3 | 1,1-Dichloroethane | | 0.14 | 1.0 | |
| 107-06-2 | 1,2-Dichloroethane | | 0.30 | 1.0 | |
| 75-35-4 | 1,1-Dichloroethylene | | 0.14 | 1.0 | |
| 156-59-2 | cis-1,2-Dichloroethylene | | 0.14 | 1.0 | |
| 156-60-5 | trans-1,2-Dichloroethylene | | 0.17 | 1.0 | |
| 78-87-5 | 1,2-Dichloropropane | | 0.19 | 1.0 | |
| 10061-01-5 | cis-1,3-Dichloropropene | | 0.16 | 0.50 | |
| 10061-02-6 | trans-1,3-Dichloropropene | | 0.14 | 0.50 | |
| 123-91-1 | 1,4-Dioxane | | 18 | 50 | |

# 1 - FORM I
# ANALYSIS DATA SHEET

## MW-23D

| | | | | | |
|---|---|---|---|---|---|
| Laboratory: | Pace New England | | | Work Order: | 23D0848 |
| Client: | NYDEC_GES - Amherst, NY | | | Project: | 275 Franklin St, Buffalo, NY - CO 144192 |
| Matrix: | Ground Water | Laboratory ID: | 23D0848-05 | File ID: | C22V10324.D |
| Sampled: | 04/06/23 15:15 | Prepared: | 04/13/23 07:07 | Analyzed: | 04/13/23 20:25 |
| Solids: | | Preparation: | SW-846 5030B | Dilution: | 1 |
| Initial/Final: | 5 mL / 5 mL | | | | |
| Batch: | B337043 | Sequence: | S085958 | Calibration: | 2200537 | Instrument: | GCMSVOA3 |

| CAS NO. | COMPOUND | CONC. (µg/L) | MDL | RL | Q |
|---|---|---|---|---|---|
| 100-41-4 | Ethylbenzene | | 0.22 | 1.0 | |
| 591-78-6 | 2-Hexanone (MBK) | | 1.2 | 10 | |
| 98-82-8 | Isopropylbenzene (Cumene) | | 0.15 | 1.0 | |
| 79-20-9 | Methyl Acetate | | 0.61 | 1.0 | V-05 |
| 1634-04-4 | Methyl tert-Butyl Ether (MTBE) | | 0.17 | 1.0 | |
| 108-87-2 | Methyl Cyclohexane | | 0.16 | 1.0 | |
| 75-09-2 | Methylene Chloride | | 0.18 | 5.0 | |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | | 1.3 | 10 | |
| 100-42-5 | Styrene | | 0.15 | 1.0 | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | | 0.14 | 0.50 | |
| 127-18-4 | Tetrachloroethylene | 0.70 | 0.17 | 1.0 | J |
| 108-88-3 | Toluene | | 0.22 | 1.0 | |
| 87-61-6 | 1,2,3-Trichlorobenzene | | 0.34 | 5.0 | |
| 120-82-1 | 1,2,4-Trichlorobenzene | | 0.30 | 1.0 | |
| 71-55-6 | 1,1,1-Trichloroethane | | 0.15 | 1.0 | |
| 79-00-5 | 1,1,2-Trichloroethane | | 0.19 | 1.0 | |
| 79-01-6 | Trichloroethylene | | 0.17 | 1.0 | |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | | 0.15 | 2.0 | |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1 | | 0.21 | 1.0 | |
| 75-01-4 | Vinyl Chloride | | 0.24 | 2.0 | |
| 1330-20-7 | Xylenes (total) | | 1.0 | 1.0 | |

Quantitation Report (QT Reviewed)



Data Path : C:\msdchem\1\data\C041323\
Data File : C22V10324.D
Acq On : 13 Apr 2023 8:25 pm
Operator :
Sample : 23D0848-05 Inst : GCMSVOA3
Misc :
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Apr 14 06:20:34 2023
Quant Method : C:\msdchem\1\methods\C080822.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
QLast Update : Thu Dec 08 06:26:11 2022
Response via : Initial Calibration

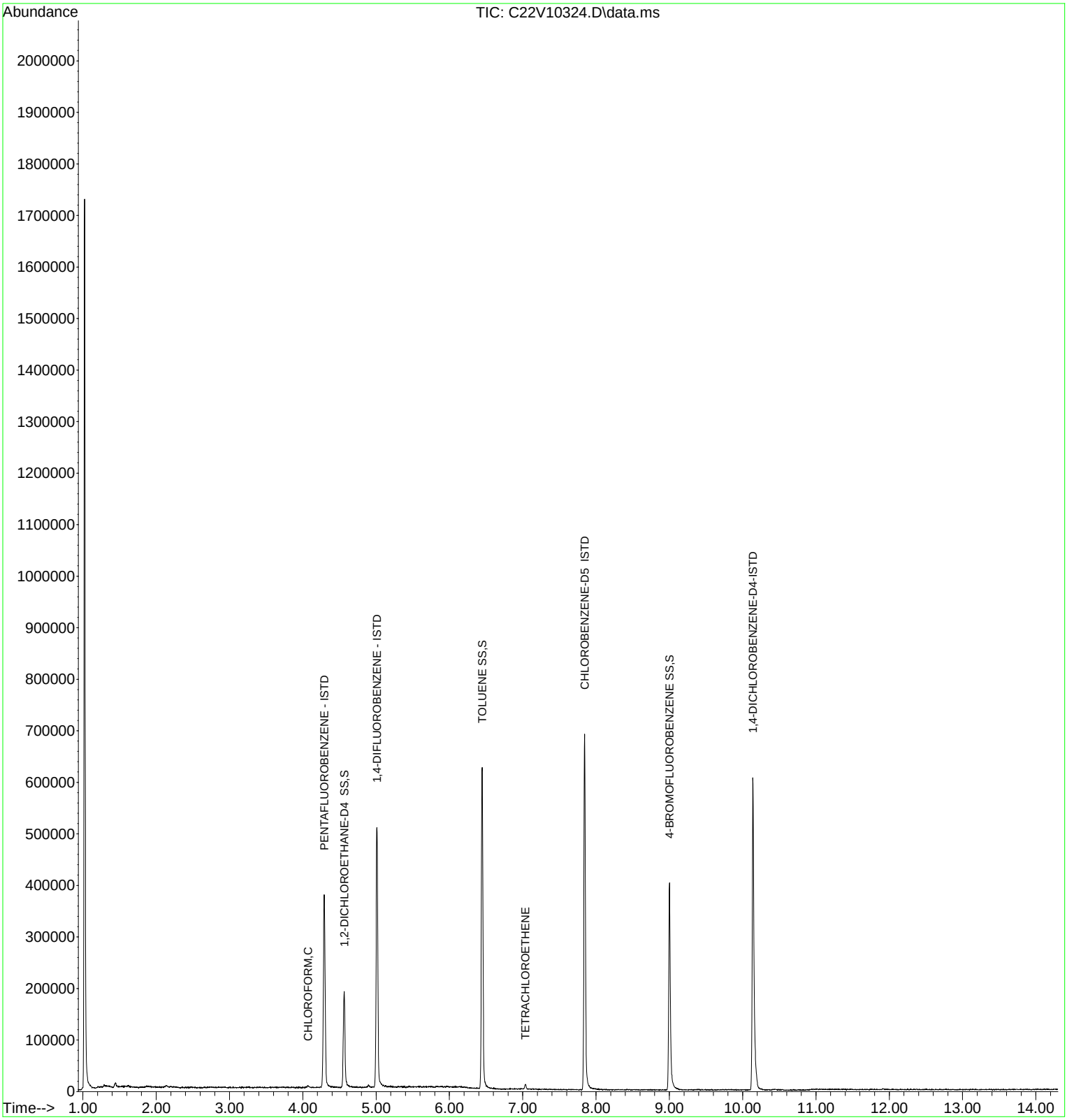
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) PENTAFLUOROBENZENE - ISTD | 4.294 | 168 | 230502 | 30.00 | UG/L | -0.01 |
| 48) 1,4-DIFLUOROBENZENE - ... | 5.011 | 114 | 353083 | 30.00 | UG/L | -0.01 |
| 70) CHLOROBENZENE-D5 ISTD | 7.844 | 82 | 180051 | 30.00 | UG/L | 0.00 |
| 89) 1,4-DICHLOROBENZENE-D4... | 10.139 | 152 | 170222 | 30.00 | UG/L | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 2) 1,2-DICHLOROETHANE-D4 SS | 4.565 | 65 | 108950 | 25.19 | UG/L | -0.01 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 100.76% | | | |
| 49) TOLUENE SS | 6.447 | 98 | 350220 | 25.04 | UG/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 100.16% | | | |
| 71) 4-BROMOFLUOROBENZENE SS | 9.002 | 95 | 129271 | 24.22 | UG/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 96.88% | | | |
| Target Compounds | | | | | | Qvalue |
| 40) CHLOROFORM | 4.071 | 83 | 1826 | 0.31 | UG/L | 84 |
| 66) TETRACHLOROETHENE | 7.036 | 166 | 2315 | 0.70 | UG/L | 96 |

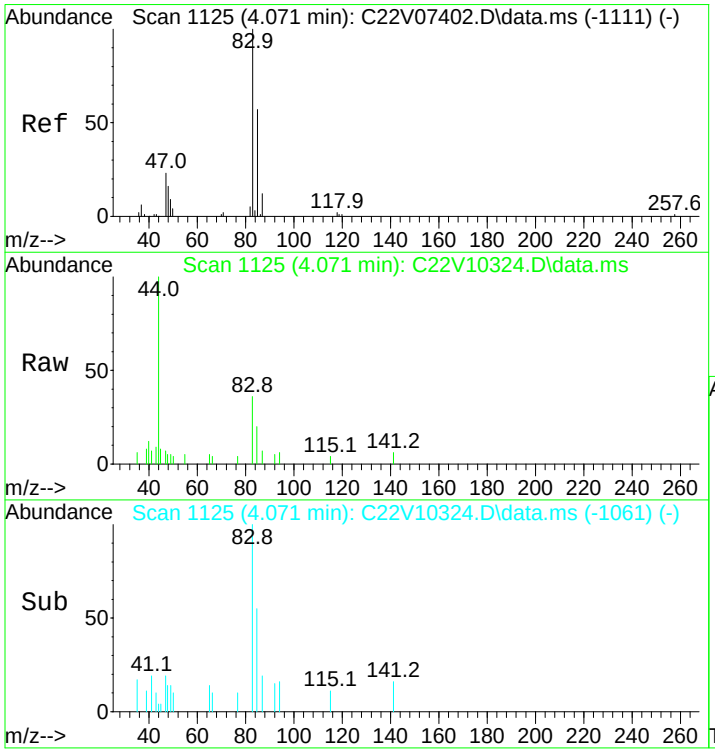
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\data\C041323\
Data File : C22V10324.D
Acq On : 13 Apr 2023 8:25 pm
Operator :
Sample : 23D0848-05 Inst : GCMSVOA3
Misc :
ALS Vial : 24 Sample Multiplier: 1



Quant Time: Apr 14 06:20:34 2023
Quant Method : C:\msdchem\1\methods\C080822.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
QLast Update : Thu Dec 08 06:26:11 2022
Response via : Initial Calibration

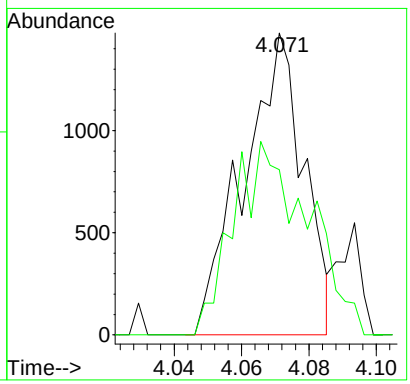


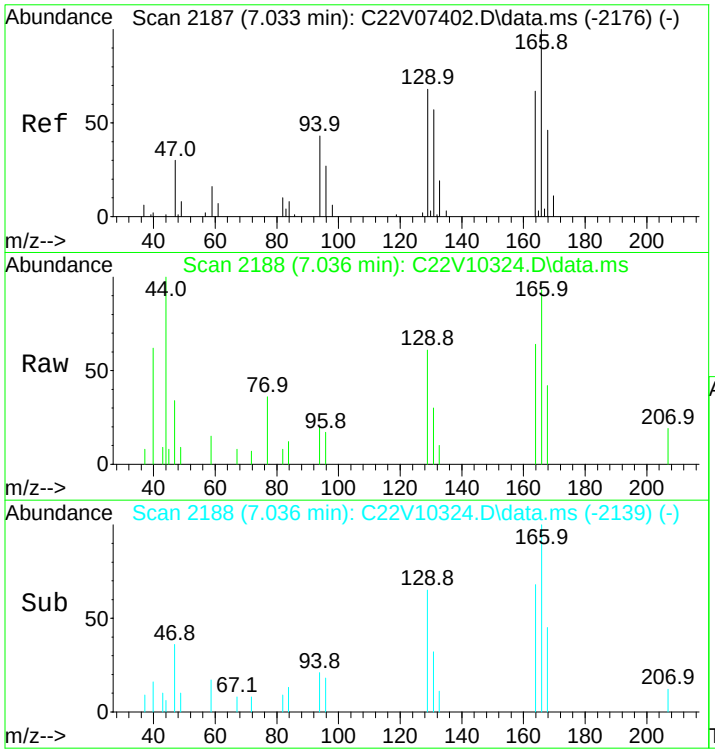



#40
CHLOROFORM
Concen: 0.31 UG/L
RT: 4.071 min Scan# 1125
Delta R.T. -0.011 min
Lab File: C22V10324.D
Acq: 13 Apr 2023 8:25 pm

Tgt Ion: 83 Resp: 1826

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 80.2 | 53.8 | 80.6 |

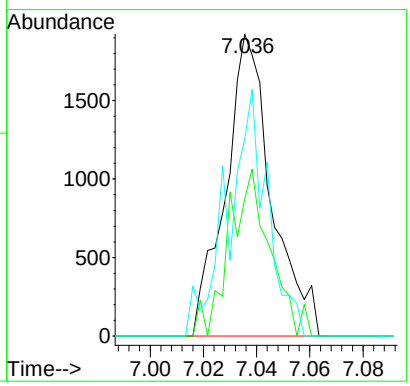



#66
TETRACHLOROETHENE
Concen: 0.70 UG/L
RT: 7.036 min Scan# 2188
Delta R.T. -0.008 min
Lab File: C22V10324.D
Acq: 13 Apr 2023 8:25 pm

Tgt Ion:166 Resp: 2315

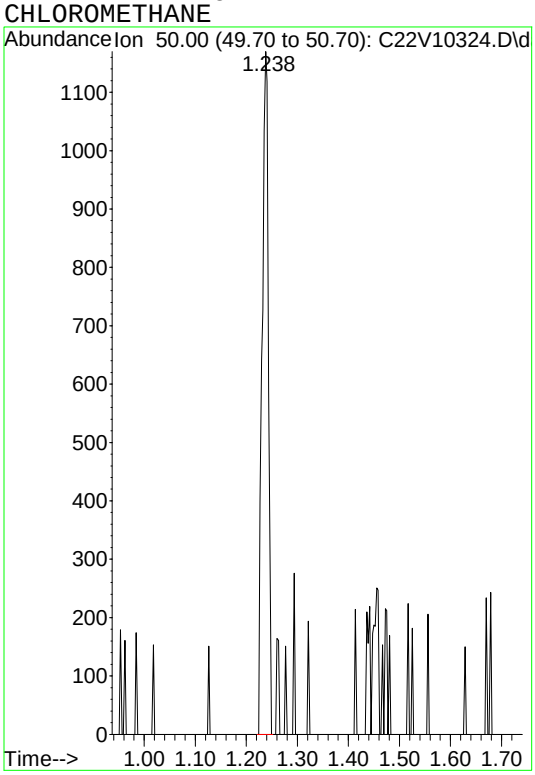
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 168 | 49.3 | 37.6 | 56.4 |
| 129 | 70.2 | 53.4 | 80.2 |



Data Path : C:\msdchem\1\data\C041323\
Data File : C22V10324.D
Acq On : 13 Apr 2023 8:25 pm
Operator :
Sample : 23D0848-05
Misc :

Quant Time : Fri Apr 14 06:20:34 2023
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Thu Dec 08 06:26:11 2022

Original Integration
CHLOROMETHANE




Original Int. Results
---

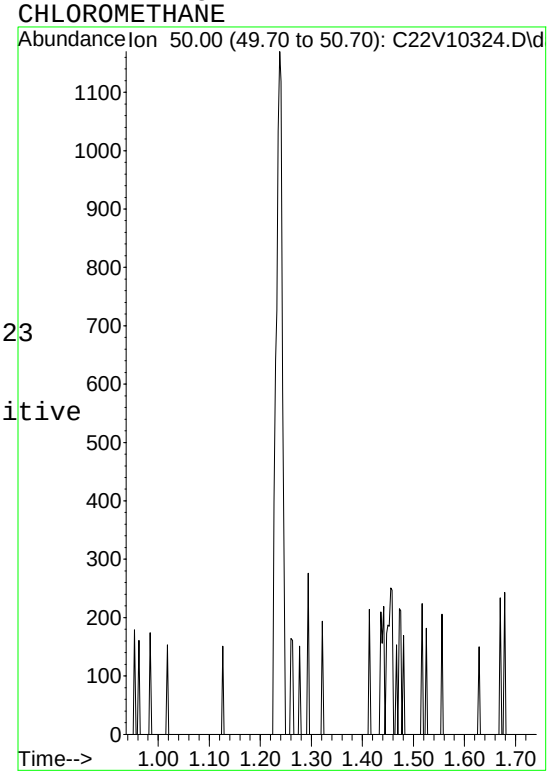
RT : 1.24
Area : 1005
Amount: 0.184347

Manual Int. Results
---

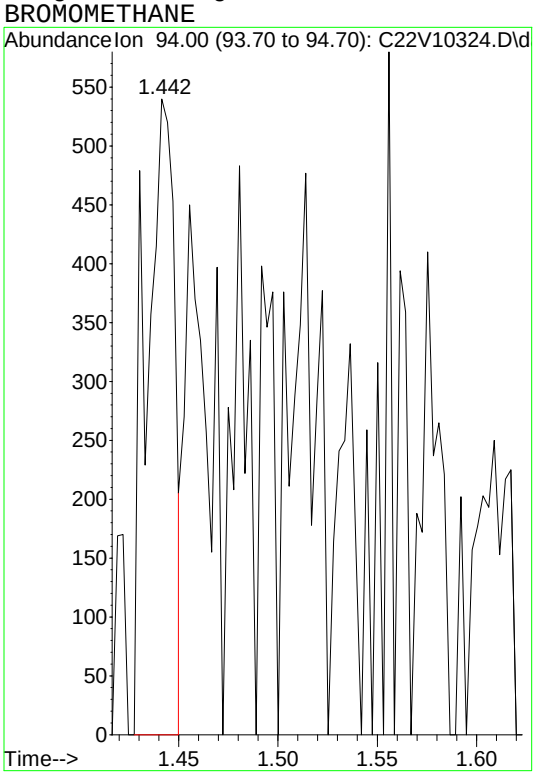
Fri Apr 14 06:20:12 2023

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

Manual Integration
CHLOROMETHANE




Original Integration
BROMOMETHANE




Original Int. Results
---

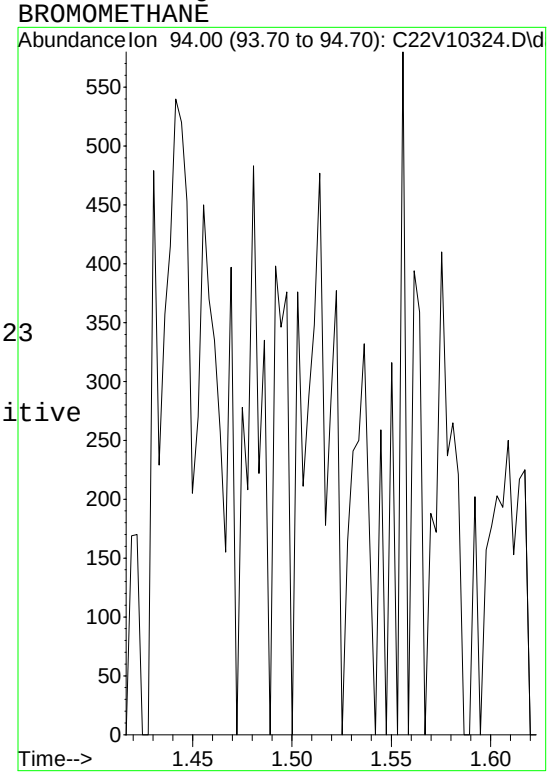
RT : 1.44
Area : 535
Amount: 0.226103

Manual Int. Results
---

Fri Apr 14 06:20:18 2023

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

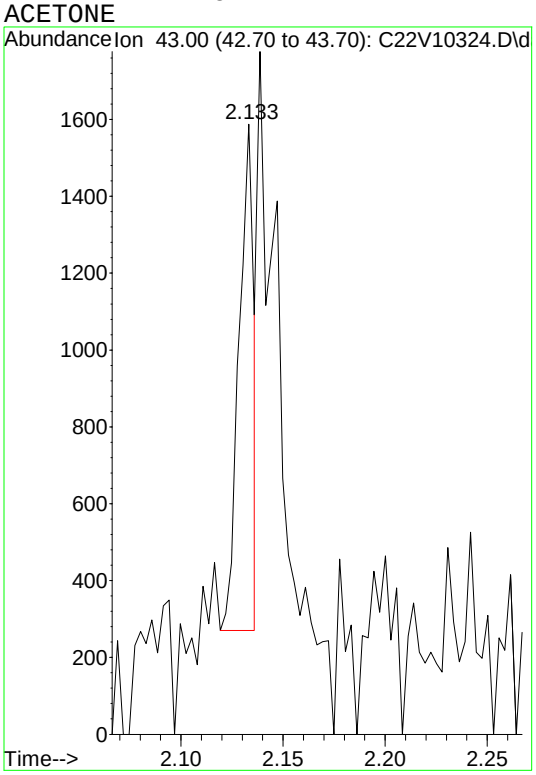
Manual Integration
BROMOMETHANE



Data Path : C:\msdchem\1\data\C041323\
Data File : C22V10324.D
Acq On : 13 Apr 2023 8:25 pm
Operator :
Sample : 23D0848-05
Misc :

Quant Time : Fri Apr 14 06:20:34 2023
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Thu Dec 08 06:26:11 2022

Original Integration
ACETONE




Original Int. Results
---

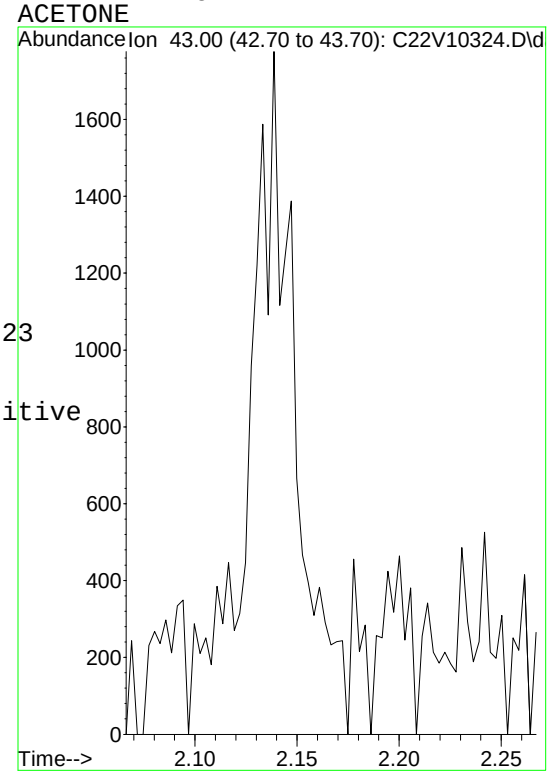
RT : 2.13
Area : 669
Amount: 0.478168

Manual Int. Results
---

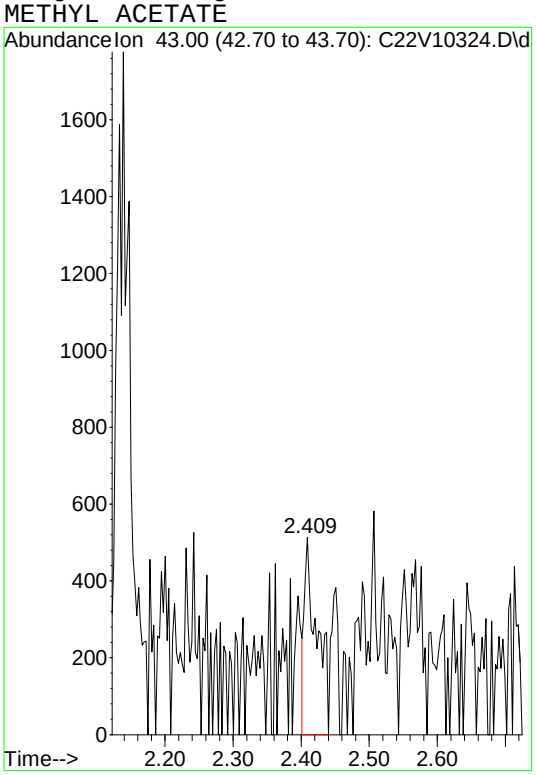
Fri Apr 14 06:20:21 2023

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

Manual Integration
ACETONE




Original Integration
METHYL ACETATE




Original Int. Results
---

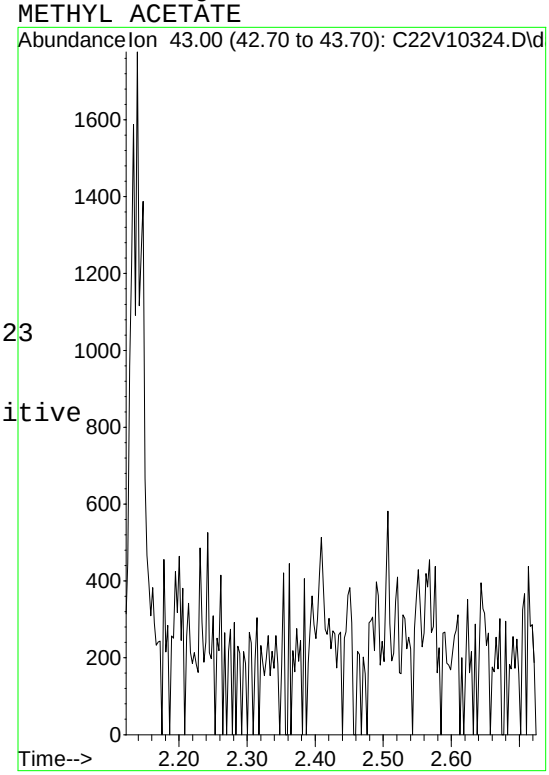
RT : 2.41
Area : 655
Amount: 0.120261

Manual Int. Results
---

Fri Apr 14 06:20:25 2023

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

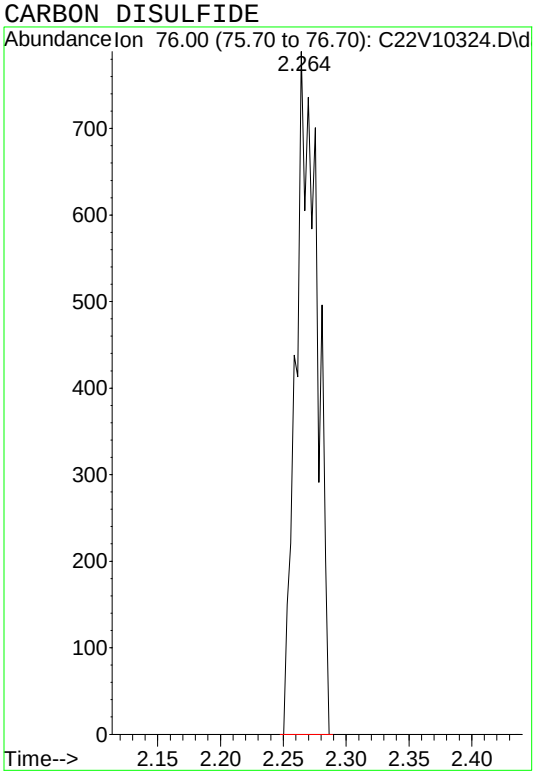
Manual Integration
METHYL ACETATE



Data Path : C:\msdchem\1\data\C041323\
Data File : C22V10324.D
Acq On : 13 Apr 2023 8:25 pm
Operator :
Sample : 23D0848-05
Misc :

Quant Time : Fri Apr 14 06:20:34 2023
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Thu Dec 08 06:26:11 2022

Original Integration
CARBON DISULFIDE




Original Int. Results
---

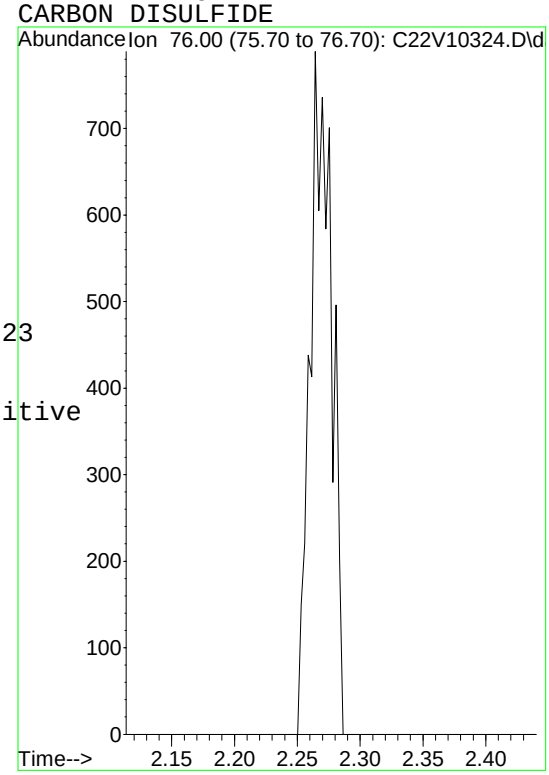
RT : 2.26
Area : 941
Amount: 0.0979396

Manual Int. Results
---

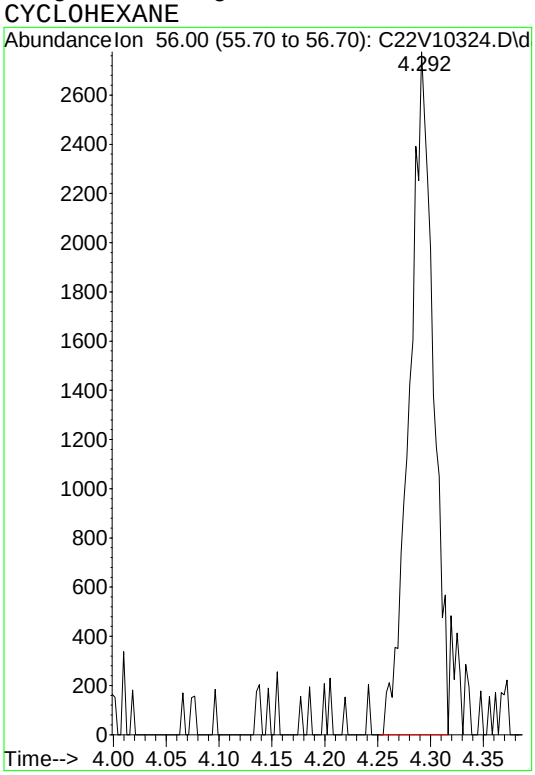
Fri Apr 14 06:20:27 2023

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

Manual Integration
CARBON DISULFIDE




Original Integration
CYCLOHEXANE




Original Int. Results
---

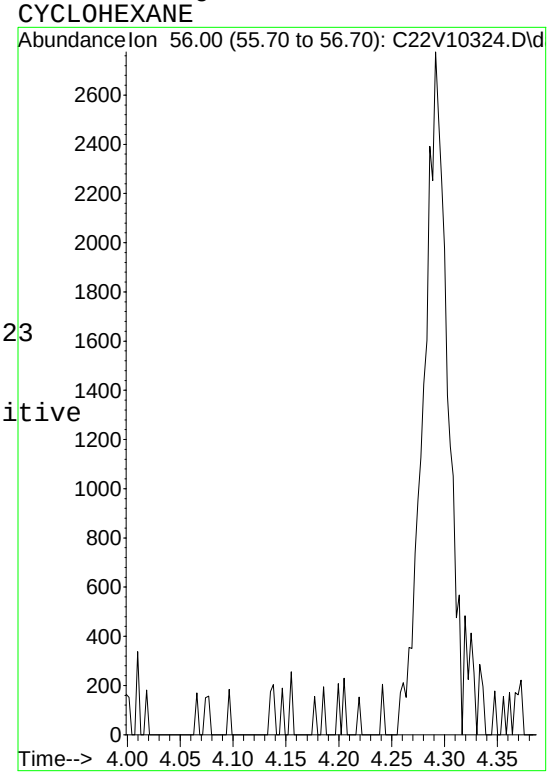
RT : 4.29
Area : 4332
Amount: 0.796332

Manual Int. Results
---

Fri Apr 14 06:20:33 2023

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

Manual Integration
CYCLOHEXANE



# 1 - FORM I
# ANALYSIS DATA SHEET

## Trip Blank

| | | | | | |
|---|---|---|---|---|---|
| Laboratory: | Pace New England | | | Work Order: | 23D0848 |
| Client: | NYDEC_GES - Amherst, NY | | | Project: | 275 Franklin St, Buffalo, NY - CO 144192 |
| Matrix: | Trip Blank Water | Laboratory ID: | 23D0848-06 | File ID: | C22V10309.D |
| Sampled: | 04/06/23 12:40 | Prepared: | 04/13/23 07:07 | Analyzed: | 04/13/23 13:45 |
| Solids: | | Preparation: | SW-846 5030B | Dilution: | 1 |
| Initial/Final: | 5 mL / 5 mL | | | | |
| Batch: | B337043 | Sequence: | S085958 | Calibration: | 2200537 | Instrument: | GCMSVOA3 |

| CAS NO. | COMPOUND | CONC. (µg/L) | MDL | RL | Q |
|---|---|---|---|---|---|
| 67-64-1 | Acetone | | 2.0 | 50 | |
| 71-43-2 | Benzene | | 0.18 | 1.0 | |
| 74-97-5 | Bromochloromethane | | 0.28 | 1.0 | |
| 75-27-4 | Bromodichloromethane | | 0.16 | 0.50 | |
| 75-25-2 | Bromoform | | 0.41 | 1.0 | |
| 74-83-9 | Bromomethane | | 1.3 | 2.0 | |
| 78-93-3 | 2-Butanone (MEK) | | 1.7 | 20 | |
| 75-15-0 | Carbon Disulfide | | 1.6 | 5.0 | |
| 56-23-5 | Carbon Tetrachloride | | 0.16 | 5.0 | |
| 108-90-7 | Chlorobenzene | | 0.12 | 1.0 | |
| 124-48-1 | Chlorodibromomethane | | 0.20 | 0.50 | |
| 75-00-3 | Chloroethane | | 0.34 | 2.0 | |
| 67-66-3 | Chloroform | | 0.14 | 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) | | 0.85 | 5.0 | |
| 106-93-4 | 1,2-Dibromoethane (EDB) | | 0.16 | 0.50 | |
| 95-50-1 | 1,2-Dichlorobenzene | | 0.13 | 1.0 | |
| 541-73-1 | 1,3-Dichlorobenzene | | 0.14 | 1.0 | |
| 106-46-7 | 1,4-Dichlorobenzene | | 0.13 | 1.0 | |
| 75-71-8 | Dichlorodifluoromethane (Freon 12) | | 0.16 | 2.0 | |
| 75-34-3 | 1,1-Dichloroethane | | 0.14 | 1.0 | |
| 107-06-2 | 1,2-Dichloroethane | | 0.30 | 1.0 | |
| 75-35-4 | 1,1-Dichloroethylene | | 0.14 | 1.0 | |
| 156-59-2 | cis-1,2-Dichloroethylene | | 0.14 | 1.0 | |
| 156-60-5 | trans-1,2-Dichloroethylene | | 0.17 | 1.0 | |
| 78-87-5 | 1,2-Dichloropropane | | 0.19 | 1.0 | |
| 10061-01-5 | cis-1,3-Dichloropropene | | 0.16 | 0.50 | |
| 10061-02-6 | trans-1,3-Dichloropropene | | 0.14 | 0.50 | |
| 123-91-1 | 1,4-Dioxane | | 18 | 50 | |

# 1 - FORM I
# ANALYSIS DATA SHEET

## Trip Blank

| | | | | | |
|---|---|---|---|---|---|
| Laboratory: | Pace New England | | | Work Order: | 23D0848 |
| Client: | NYDEC_GES - Amherst, NY | | | Project: | 275 Franklin St, Buffalo, NY - CO 144192 |
| Matrix: | Trip Blank Water | Laboratory ID: | 23D0848-06 | File ID: | C22V10309.D |
| Sampled: | 04/06/23 12:40 | Prepared: | 04/13/23 07:07 | Analyzed: | 04/13/23 13:45 |
| Solids: | | Preparation: | SW-846 5030B | Dilution: | 1 |
| Initial/Final: | 5 mL / 5 mL | | | | |
| Batch: | B337043 | Sequence: | S085958 | Calibration: | 2200537 |
| | | | | Instrument: | GCMSVOA3 |

| CAS NO. | COMPOUND | CONC. (µg/L) | MDL | RL | Q |
|---|---|---|---|---|---|
| 100-41-4 | Ethylbenzene | | 0.22 | 1.0 | |
| 591-78-6 | 2-Hexanone (MBK) | | 1.2 | 10 | |
| 98-82-8 | Isopropylbenzene (Cumene) | | 0.15 | 1.0 | |
| 79-20-9 | Methyl Acetate | | 0.61 | 1.0 | V-05 |
| 1634-04-4 | Methyl tert-Butyl Ether (MTBE) | | 0.17 | 1.0 | |
| 108-87-2 | Methyl Cyclohexane | | 0.16 | 1.0 | |
| 75-09-2 | Methylene Chloride | | 0.18 | 5.0 | |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | | 1.3 | 10 | |
| 100-42-5 | Styrene | | 0.15 | 1.0 | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | | 0.14 | 0.50 | |
| 127-18-4 | Tetrachloroethylene | | 0.17 | 1.0 | |
| 108-88-3 | Toluene | | 0.22 | 1.0 | |
| 87-61-6 | 1,2,3-Trichlorobenzene | | 0.34 | 5.0 | |
| 120-82-1 | 1,2,4-Trichlorobenzene | | 0.30 | 1.0 | |
| 71-55-6 | 1,1,1-Trichloroethane | | 0.15 | 1.0 | |
| 79-00-5 | 1,1,2-Trichloroethane | | 0.19 | 1.0 | |
| 79-01-6 | Trichloroethylene | | 0.17 | 1.0 | |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | | 0.15 | 2.0 | |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1 | | 0.21 | 1.0 | |
| 75-01-4 | Vinyl Chloride | | 0.24 | 2.0 | |
| 1330-20-7 | Xylenes (total) | | 1.0 | 1.0 | |

Quantitation Report (QT Reviewed)



Data Path : C:\msdchem\1\data\C041323\
Data File : C22V10309.D
Acq On : 13 Apr 2023 1:45 pm
Operator :
Sample : 23D0848-06 Inst : GCMSVOA3
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 13 14:45:37 2023
Quant Method : C:\msdchem\1\methods\C080822.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
QLast Update : Thu Dec 08 06:26:11 2022
Response via : Initial Calibration

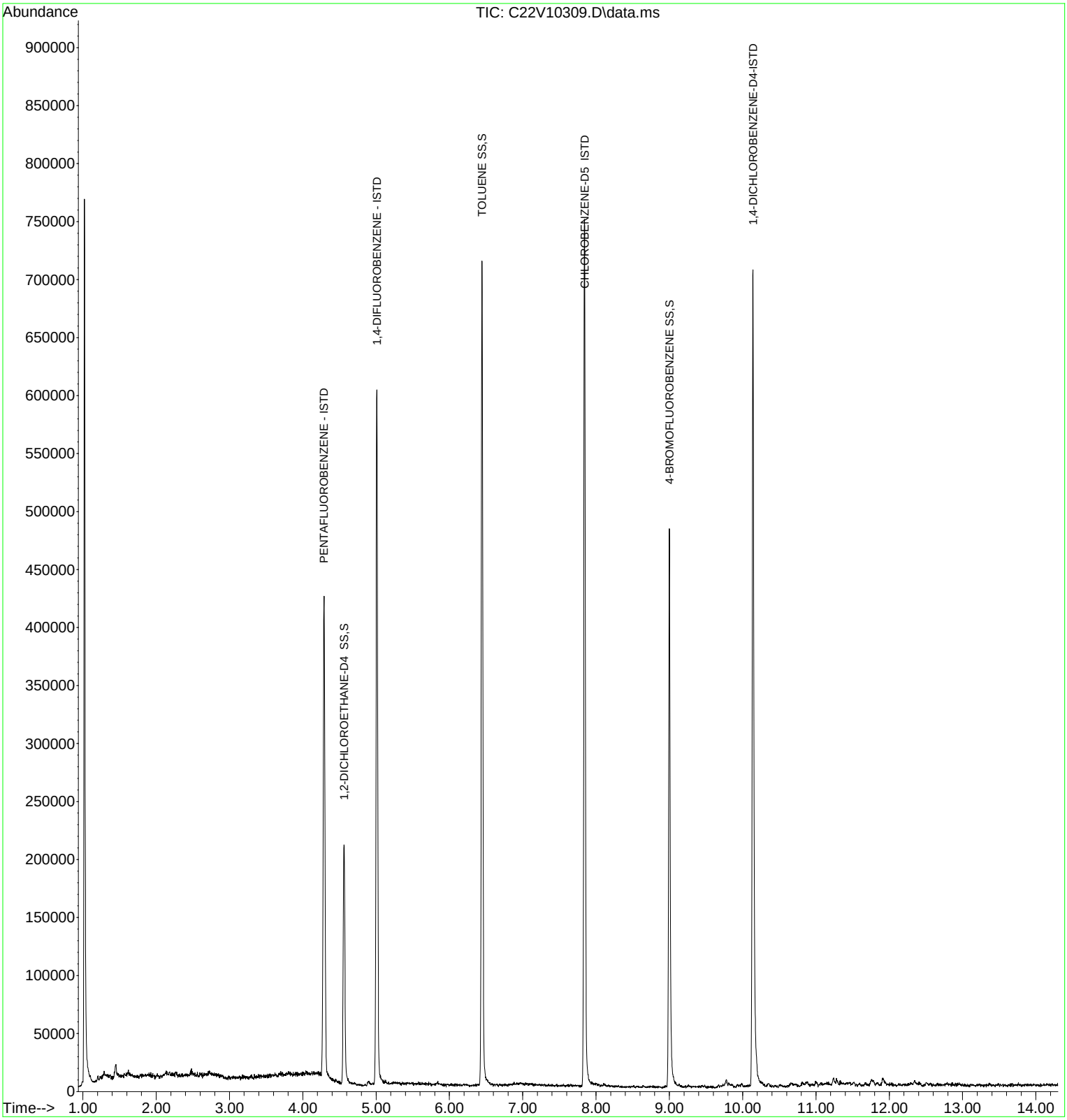
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) PENTAFLUOROBENZENE - ISTD | 4.289 | 168 | 260318 | 30.00 | UG/L | -0.02 |
| 48) 1,4-DIFLUOROBENZENE - ... | 5.011 | 114 | 403401 | 30.00 | UG/L | -0.01 |
| 70) CHLOROBENZENE-D5 ISTD | 7.844 | 82 | 200832 | 30.00 | UG/L | 0.00 |
| 89) 1,4-DICHLOROBENZENE-D4... | 10.142 | 152 | 193558 | 30.00 | UG/L | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 2) 1,2-DICHLOROETHANE-D4 SS | 4.562 | 65 | 119342 | 24.43 | UG/L | -0.02 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 97.72% | | | |
| 49) TOLUENE SS | 6.444 | 98 | 393399 | 24.62 | UG/L | -0.01 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 98.48% | | | |
| 71) 4-BROMOFLUOROBENZENE SS | 8.999 | 95 | 142941 | 24.01 | UG/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 96.04% | | | |
| Target Compounds | | | | | | Qvalue |

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

Data Path : C:\msdchem\1\data\C041323\
Data File : C22V10309.D
Acq On : 13 Apr 2023 1:45 pm
Operator :
Sample : 23D0848-06 Inst : GCMSVOA3
Misc :
ALS Vial : 9 Sample Multiplier: 1



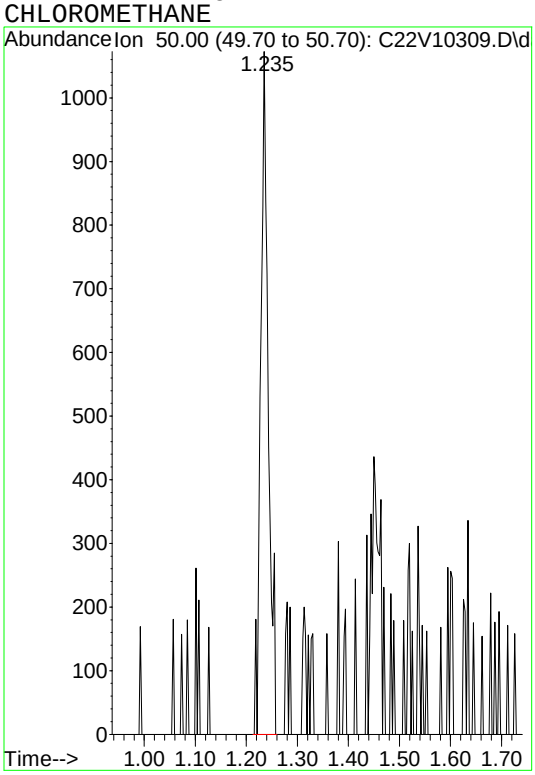
Quant Time: Apr 13 14:45:37 2023
Quant Method : C:\msdchem\1\methods\C080822.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
QLast Update : Thu Dec 08 06:26:11 2022
Response via : Initial Calibration



Data Path : C:\msdchem\1\data\C041323\
Data File : C22V10309.D
Acq On : 13 Apr 2023 1:45 pm
Operator :
Sample : 23D0848-06
Misc :

Quant Time : Thu Apr 13 14:45:37 2023
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Thu Dec 08 06:26:11 2022

Original Integration
CHLOROMETHANE




Original Int. Results
---

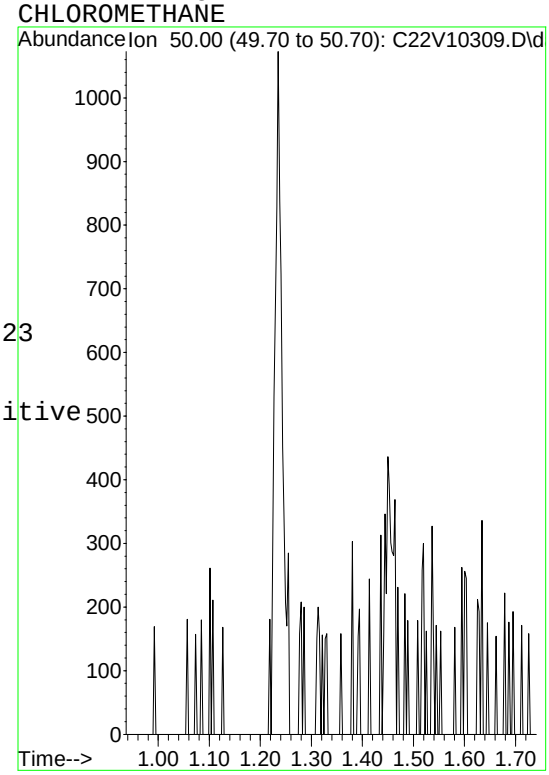
RT : 1.24
Area : 1108
Amount: 0.179962

Manual Int. Results
---

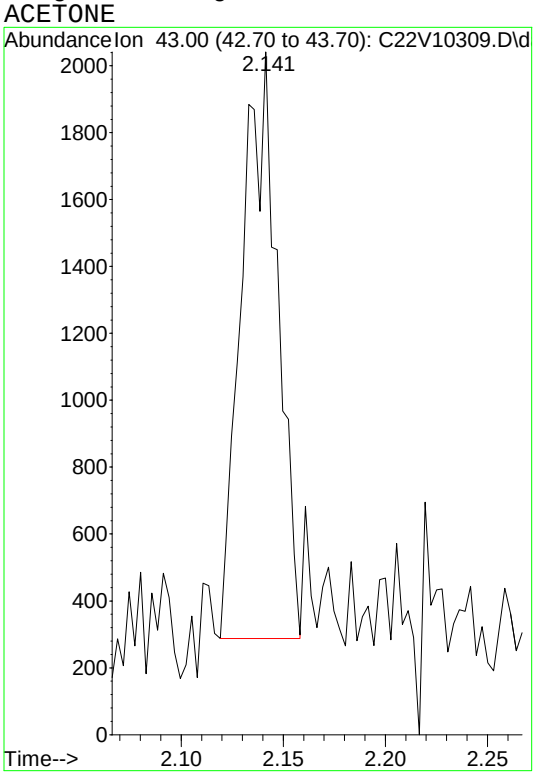
Thu Apr 13 14:44:25 2023

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

Manual Integration
CHLOROMETHANE




Original Integration
ACETONE




Original Int. Results
---

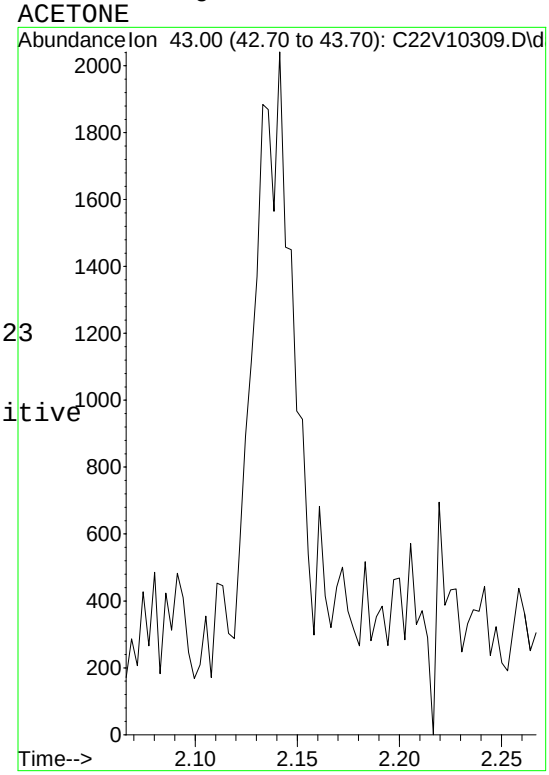
RT : 2.14
Area : 2163
Amount: 1.36893

Manual Int. Results
---

Thu Apr 13 14:44:35 2023

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

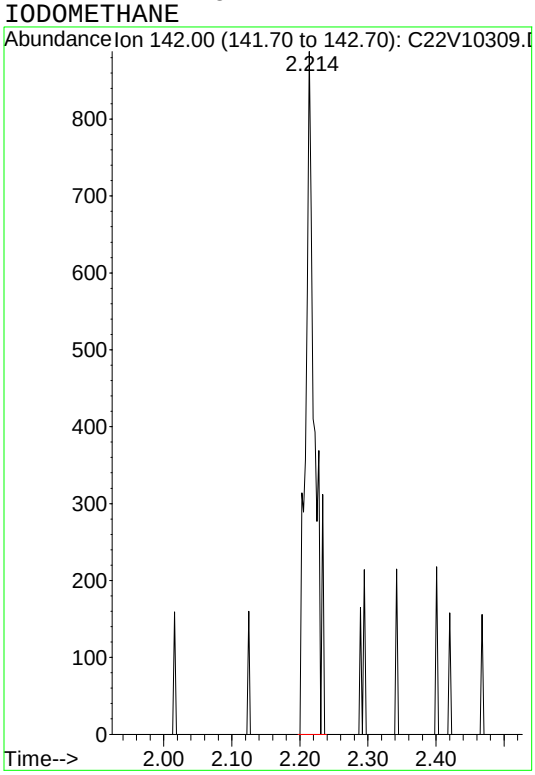
Manual Integration
ACETONE



Data Path : C:\msdchem\1\data\C041323\
Data File : C22V10309.D
Acq On : 13 Apr 2023 1:45 pm
Operator :
Sample : 23D0848-06
Misc :

Quant Time : Thu Apr 13 14:45:37 2023
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Thu Dec 08 06:26:11 2022

Original Integration
IODOMETHANE




Original Int. Results
---

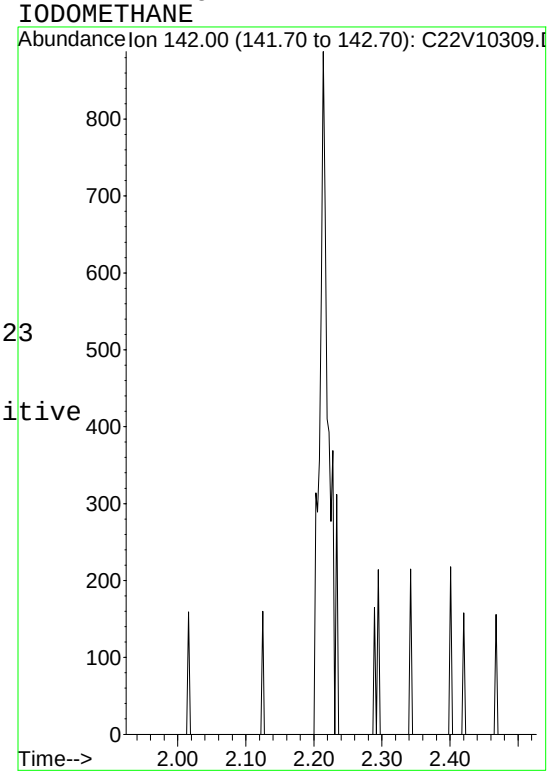
RT : 2.21
Area : 814
Amount: 0.173076

Manual Int. Results
---

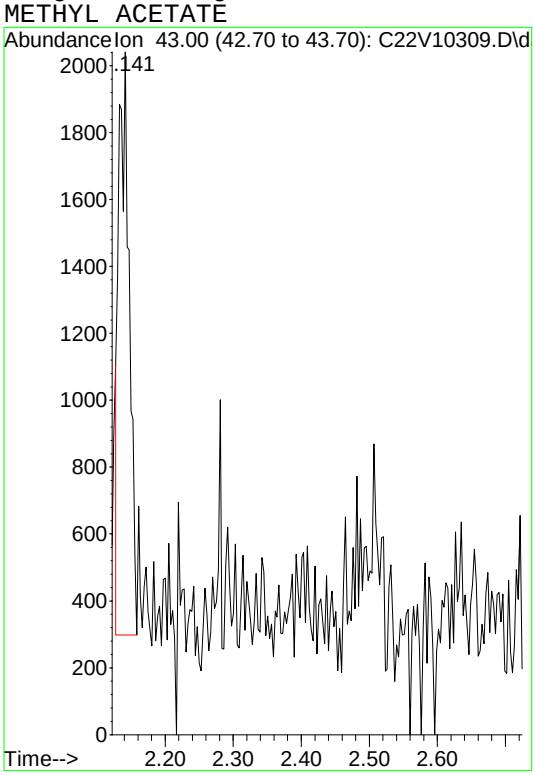
Thu Apr 13 14:44:37 2023

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

Manual Integration
IODOMETHANE




Original Integration
METHYL ACETATE




Original Int. Results
---

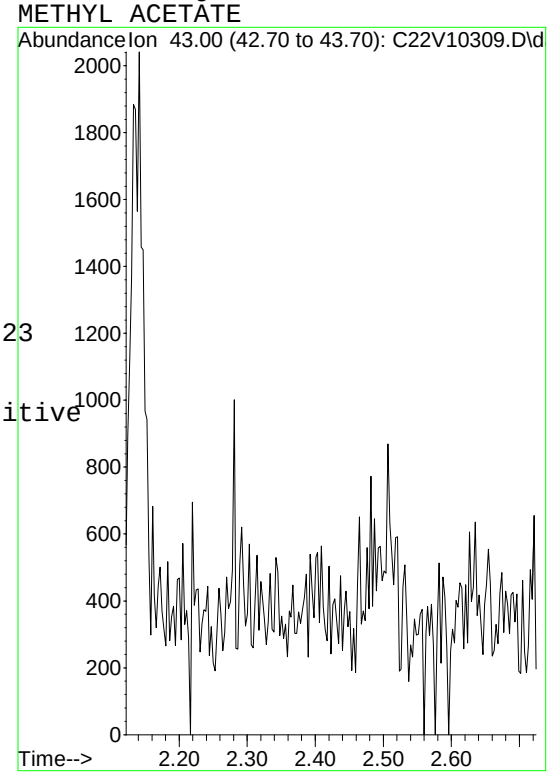
RT : 2.14
Area : 1859
Amount: 0.302228

Manual Int. Results
---

Thu Apr 13 14:45:14 2023

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

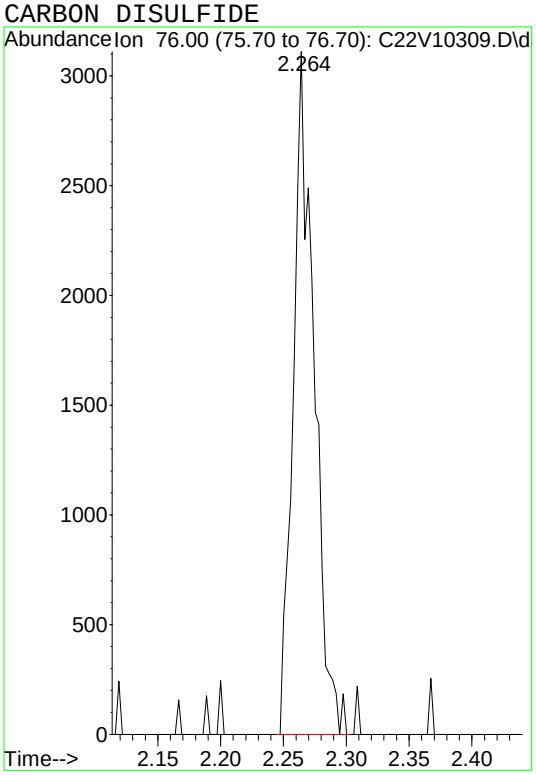
Manual Integration
METHYL ACETATE



Data Path : C:\msdchem\1\data\C041323\
Data File : C22V10309.D
Acq On : 13 Apr 2023 1:45 pm
Operator :
Sample : 23D0848-06
Misc :

Quant Time : Thu Apr 13 14:45:37 2023
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Thu Dec 08 06:26:11 2022

Original Integration
CARBON DISULFIDE




Original Int. Results
---

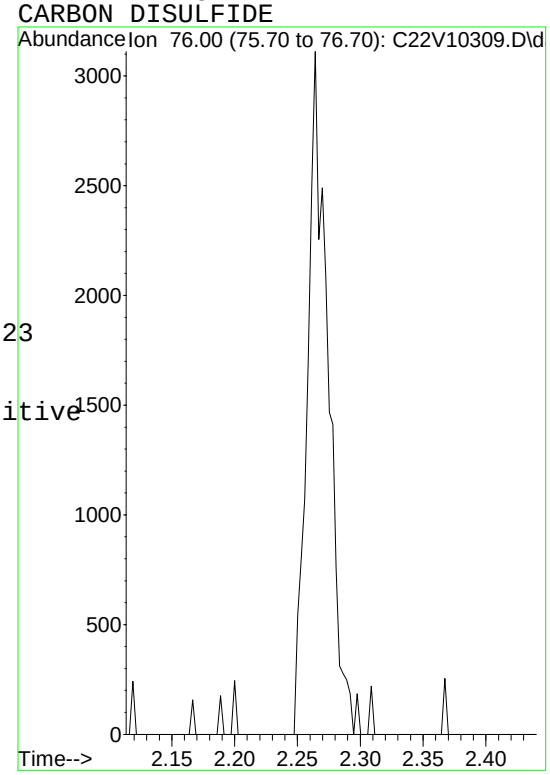
RT : 2.26
Area : 3579
Amount: 0.329838

Manual Int. Results
---

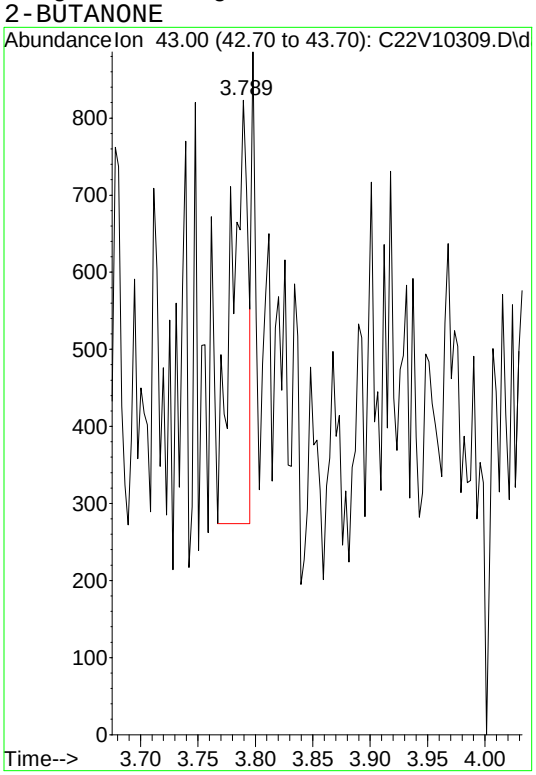
Thu Apr 13 14:45:17 2023

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

Manual Integration
CARBON DISULFIDE




Original Integration
2-BUTANONE




Original Int. Results
---

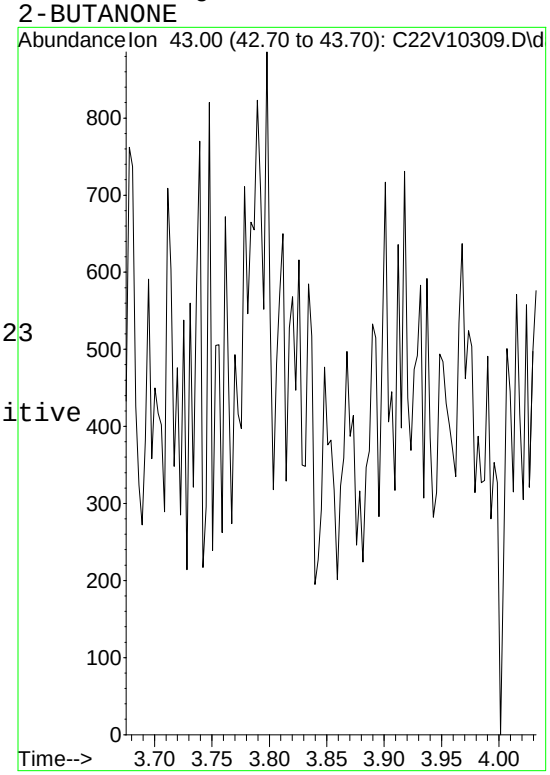
RT : 3.79
Area : 540
Amount: 0.236254

Manual Int. Results
---

Thu Apr 13 14:45:21 2023

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

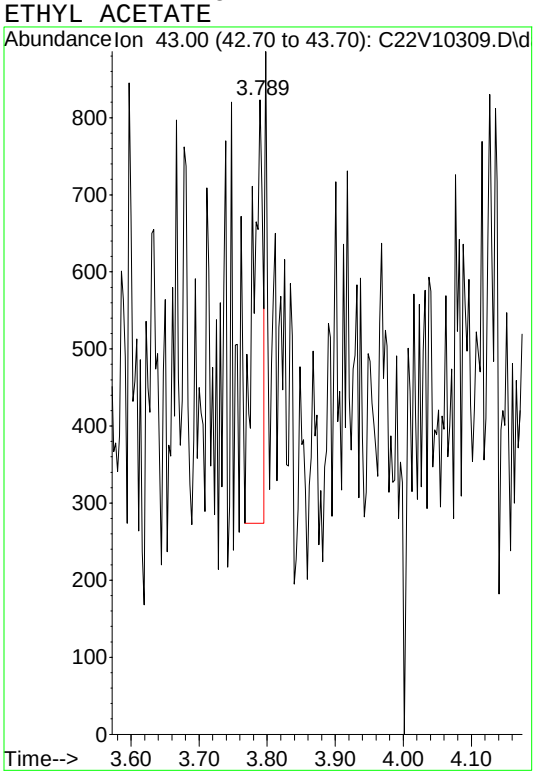
Manual Integration
2-BUTANONE



Data Path : C:\msdchem\1\data\C041323\
Data File : C22V10309.D
Acq On : 13 Apr 2023 1:45 pm
Operator :
Sample : 23D0848-06
Misc :

Quant Time : Thu Apr 13 14:45:37 2023
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Thu Dec 08 06:26:11 2022

Original Integration
ETHYL ACETATE




Original Int. Results
---

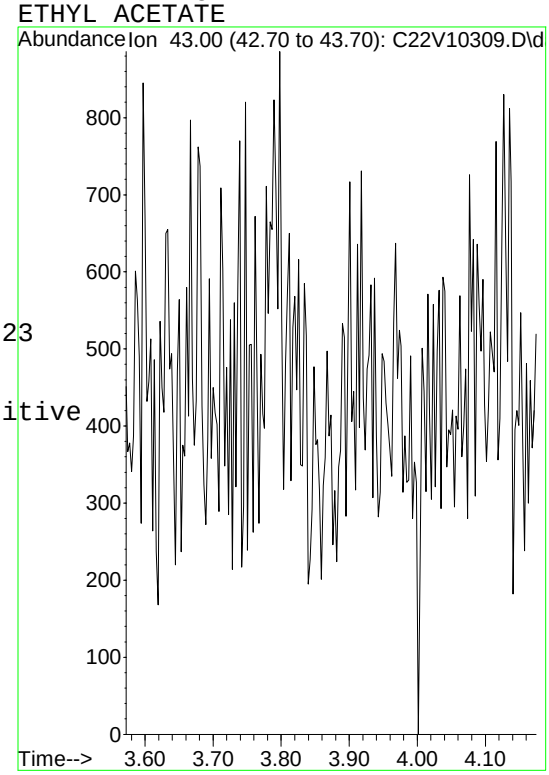
RT : 3.79
Area : 540
Amount: 0.0956511

Manual Int. Results
---

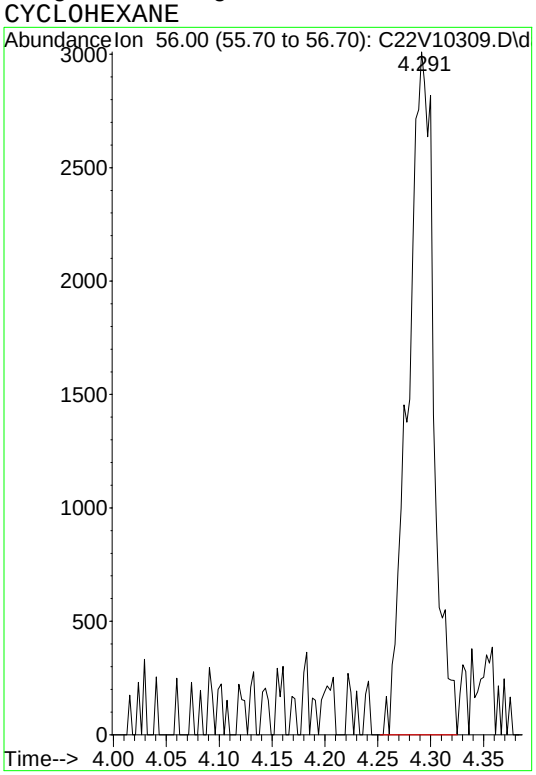
Thu Apr 13 14:45:25 2023

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

Manual Integration
ETHYL ACETATE




Original Integration
CYCLOHEXANE




Original Int. Results
---

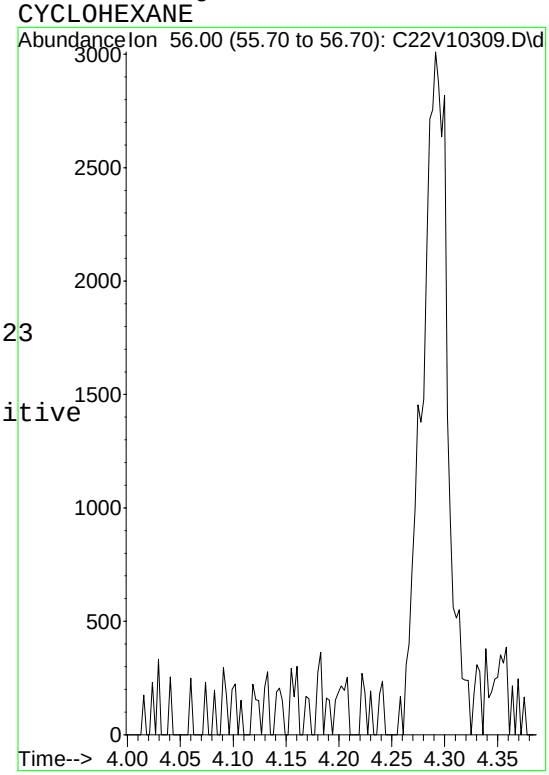
RT : 4.29
Area : 5119
Amount: 0.833224

Manual Int. Results
---

Thu Apr 13 14:45:29 2023

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

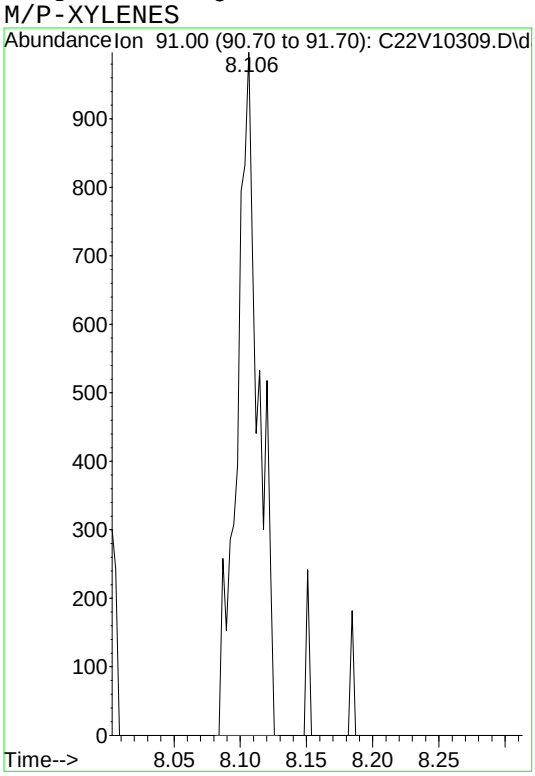
Manual Integration
CYCLOHEXANE



Data Path : C:\msdchem\1\data\C041323\
Data File : C22V10309.D
Acq On : 13 Apr 2023 1:45 pm
Operator :
Sample : 23D0848-06
Misc :

Quant Time : Thu Apr 13 14:45:37 2023
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Thu Dec 08 06:26:11 2022

Original Integration
M/P-XYLENES




Original Int. Results
---

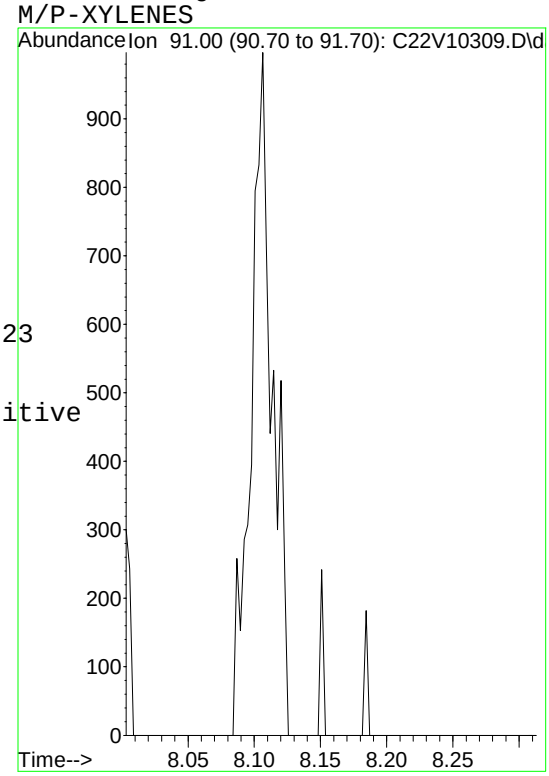
RT : 8.11
Area : 1131
Amount: 0.0848891

Manual Int. Results
---

Thu Apr 13 14:45:36 2023

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

Manual Integration
M/P-XYLENES



# QC DATA

# 2 - FORM II

## SYSTEM MONITORING COMPOUND SUMMARY

### SW-846 8260D

| | | | |
|---|---|---|---|
| Laboratory: | Pace New England | SDG: | 23D0848 |
| Client: | NYDEC_GES - Amherst, NY | Project: | 275 Franklin St, Buffalo, NY - CO 144192 |
| Matrix: | Water | Instrument: | GCMSVOA3 |

| | 1,2-DCA-d4 (70% - 130%) | BFB (70% - 130%) | TOL-d8 (70% - 130%) |
|---|---|---|---|
| **23D0848-02** | 104 | 94.4 | 103 |
| **23D0848-03** | 103 | 94.6 | 98.8 |
| **23D0848-04** | 103 | 95.4 | 102 |
| **23D0848-05** | 101 | 96.9 | 100 |
| **23D0848-06** | 97.7 | 96.0 | 98.5 |
| **B337043-BLK1** | 97.4 | 95.7 | 103 |
| **B337043-BS1** | 94.8 | 96.1 | 103 |
| **B337043-BSD1** | 93.4 | 96.5 | 100 |

# 2 - FORM II

## SYSTEM MONITORING COMPOUND SUMMARY

### SW-846 8260D

| | | | |
|---|---|---|---|
| Laboratory: | Pace New England | SDG: | 23D0848 |
| Client: | NYDEC_GES - Amherst, NY | Project: | 275 Franklin St, Buffalo, NY - CO 144192 |
| Matrix: | Water | Instrument: | GCMSVOA3 |

| | 1,2-DCA-d4 (70% - 130%) | BFB (70% - 130%) | TOL-d8 (70% - 130%) |
|---|---|---|---|
| **23D0848-01** | 103 | 92.6 | 98.4 |
| **B337044-BLK1** | 99.7 | 94.7 | 99.0 |
| **B337044-BS1** | 97.5 | 93.4 | 99.6 |
| **B337044-BSD1** | 98.3 | 95.3 | 98.8 |
| **B337044-MS1** | 107 | 93.8 | 102 |
| **B337044-MSD1** | 109 | 95.5 | 99.4 |

# 3 - FORM III

## MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

MW-27S

| | | | |
|---|---|---|---|
| Laboratory: | Pace New England | Work Order: | 23D0848 |
| Client: | NYDEC_GES - Amherst, NY | Project: | 275 Franklin St, Buffalo, NY - CO 144192 |
| Matrix: | Water | Analysis: | SW-846 8260D |
| Batch: | B337044 | Preparation: | SW-846 5030B |
| % Solids: | | Laboratory ID: | B337044-MS1 |
| Initial/Final: | 5 mL / 5 mL | Sample Lab ID: | 23D0848-01 |
| Column: | | | |

| ANALYTE | SPIKE ADDED (µg/L) | SAMPLE CONCENTRATION (µg/L) | MS CONCENTRATION (µg/L) | MS % REC. | QC LIMITS REC. |
|---|---|---|---|---|---|
| Acetone | 100 | ND | 90.9 | 90.9 | 70 - 130 |
| Benzene | 10.0 | ND | 9.72 | 97.2 | 70 - 130 |
| Bromochloromethane | 10.0 | ND | 10.8 | 108 | 70 - 130 |
| Bromodichloromethane | 10.0 | ND | 8.86 | 88.6 | 70 - 130 |
| Bromoform | 10.0 | ND | 7.24 | 72.4 | 70 - 130 |
| Bromomethane | 10.0 | ND | 9.59 | 95.9 | 70 - 130 |
| 2-Butanone (MEK) | 100 | ND | 96.7 | 96.7 | 70 - 130 |
| Carbon Disulfide | 100 | ND | 87.0 | 87.0 | 70 - 130 |
| Carbon Tetrachloride | 10.0 | ND | 9.56 | 95.6 | 70 - 130 |
| Chlorobenzene | 10.0 | ND | 8.20 | 82.0 | 70 - 130 |
| Chlorodibromomethane | 10.0 | ND | 8.32 | 83.2 | 70 - 130 |
| Chloroethane | 10.0 | ND | 9.10 | 91.0 | 70 - 130 |
| Chloroform | 10.0 | 2.38 | 12.2 | 97.7 | 70 - 130 |
| Chloromethane | 10.0 | ND | 9.49 | 94.9 | 70 - 130 |
| Cyclohexane | 10.0 | ND | 10.4 | 104 | 70 - 130 |
| 1,2-Dibromo-3-chloropropane (DBCP) | 10.0 | ND | 7.54 | 75.4 | 70 - 130 |
| 1,2-Dibromoethane (EDB) | 10.0 | ND | 8.99 | 89.9 | 70 - 130 |
| 1,2-Dichlorobenzene | 10.0 | ND | 8.57 | 85.7 | 70 - 130 |
| 1,3-Dichlorobenzene | 10.0 | ND | 8.40 | 84.0 | 70 - 130 |
| 1,4-Dichlorobenzene | 10.0 | ND | 8.32 | 83.2 | 70 - 130 |
| Dichlorodifluoromethane (Freon 12) | 10.0 | ND | 10.7 | 107 | 70 - 130 |
| 1,1-Dichloroethane | 10.0 | ND | 9.52 | 95.2 | 70 - 130 |
| 1,2-Dichloroethane | 10.0 | ND | 9.41 | 94.1 | 70 - 130 |
| 1,1-Dichloroethylene | 10.0 | ND | 9.22 | 92.2 | 70 - 130 |
| cis-1,2-Dichloroethylene | 10.0 | ND | 8.73 | 87.3 | 70 - 130 |
| trans-1,2-Dichloroethylene | 10.0 | ND | 8.59 | 85.9 | 70 - 130 |
| 1,2-Dichloropropane | 10.0 | ND | 9.58 | 95.8 | 70 - 130 |
| cis-1,3-Dichloropropene | 10.0 | ND | 7.60 | 76.0 | 70 - 130 |
| trans-1,3-Dichloropropene | 10.0 | ND | 7.59 | 75.9 | 70 - 130 |

# MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

## MW-27S

| | | | |
|---|---|---|---|
| Laboratory: | Pace New England | Work Order: | 23D0848 |
| Client: | NYDEC_GES - Amherst, NY | Project: | 275 Franklin St, Buffalo, NY - CO 144192 |
| Matrix: | Water | Analysis: | SW-846 8260D |
| Batch: | B337044 | Preparation: | SW-846 5030B |
| % Solids: | | Laboratory ID: | B337044-MS1 |
| Initial/Final: | 5 mL / 5 mL | Sample Lab ID: | 23D0848-01 |
| Column: | | | |

| ANALYTE | SPIKE ADDED (µg/L) | SAMPLE CONCENTRATION (µg/L) | MS CONCENTRATION (µg/L) | MS % REC. | | QC LIMITS REC. |
|---|---|---|---|---|---|---|
| 1,4-Dioxane | 100 | ND | 75.9 | 75.9 | | 70 - 130 |
| Ethylbenzene | 10.0 | ND | 8.95 | 89.5 | | 70 - 130 |
| 2-Hexanone (MBK) | 100 | ND | 90.5 | 90.5 | | 70 - 130 |
| Isopropylbenzene (Cumene) | 10.0 | ND | 8.52 | 85.2 | | 70 - 130 |
| Methyl Acetate | 10.0 | ND | 4.32 | 43.2 | * | 70 - 130 |
| Methyl tert-Butyl Ether (MTBE) | 10.0 | ND | 9.19 | 91.9 | | 70 - 130 |
| Methyl Cyclohexane | 10.0 | ND | 9.22 | 92.2 | | 70 - 130 |
| Methylene Chloride | 10.0 | ND | 9.14 | 91.4 | | 70 - 130 |
| 4-Methyl-2-pentanone (MIBK) | 100 | ND | 92.1 | 92.1 | | 70 - 130 |
| Styrene | 10.0 | ND | 8.22 | 82.2 | | 70 - 130 |
| 1,1,2,2-Tetrachloroethane | 10.0 | ND | 8.06 | 80.6 | | 70 - 130 |
| Tetrachloroethylene | 10.0 | 4.14 | 12.8 | 86.4 | | 70 - 130 |
| Toluene | 10.0 | ND | 9.28 | 92.8 | | 70 - 130 |
| 1,2,3-Trichlorobenzene | 10.0 | ND | 6.41 | 64.1 | * | 70 - 130 |
| 1,2,4-Trichlorobenzene | 10.0 | ND | 7.11 | 71.1 | | 70 - 130 |
| 1,1,1-Trichloroethane | 10.0 | ND | 9.60 | 96.0 | | 70 - 130 |
| 1,1,2-Trichloroethane | 10.0 | ND | 8.94 | 89.4 | | 70 - 130 |
| Trichloroethylene | 10.0 | ND | 9.11 | 91.1 | | 70 - 130 |
| Trichlorofluoromethane (Freon 11) | 10.0 | ND | 9.52 | 95.2 | | 70 - 130 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | 10.0 | ND | 9.13 | 91.3 | | 70 - 130 |
| Vinyl Chloride | 10.0 | ND | 10.8 | 108 | | 70 - 130 |
| Xylenes (total) | 30.0 | ND | 27.1 | 90.4 | | 0 - 200 |

# 3 - FORM III

## MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

MW-27S

| | | | |
|---|---|---|---|
| Laboratory: | Pace New England | Work Order: | 23D0848 |
| Client: | NYDEC_GES - Amherst, NY | Project: | 275 Franklin St, Buffalo, NY - CO 144192 |
| Matrix: | Water | Analysis: | SW-846 8260D |
| Batch: | B337044 | Preparation: | SW-846 5030B |
| % Solids: | | Laboratory ID: | B337044-MSD1 |
| Initial/Final: | 5 mL / 5 mL | Sample Lab ID: | 23D0848-01 |
| Column: | | | |

| ANALYTE | SPIKE ADDED (µg/L) | MSD CONCENTRATION (µg/L) | MSD % REC. # | % RPD | QC LIMITS RPD | QC LIMITS REC. |
|---|---|---|---|---|---|---|
| Acetone | 100 | 89.2 | 89.2 | 1.89 | 30 | 70 - 130 |
| Benzene | 10.0 | 9.70 | 97.0 | 0.206 | 30 | 70 - 130 |
| Bromochloromethane | 10.0 | 10.3 | 103 | 4.17 | 30 | 70 - 130 |
| Bromodichloromethane | 10.0 | 9.09 | 90.9 | 2.56 | 30 | 70 - 130 |
| Bromoform | 10.0 | 7.27 | 72.7 | 0.414 | 30 | 70 - 130 |
| Bromomethane | 10.0 | 9.49 | 94.9 | 1.05 | 30 | 70 - 130 |
| 2-Butanone (MEK) | 100 | 97.2 | 97.2 | 0.547 | 30 | 70 - 130 |
| Carbon Disulfide | 100 | 87.3 | 87.3 | 0.298 | 30 | 70 - 130 |
| Carbon Tetrachloride | 10.0 | 9.64 | 96.4 | 0.833 | 30 | 70 - 130 |
| Chlorobenzene | 10.0 | 8.47 | 84.7 | 3.24 | 30 | 70 - 130 |
| Chlorodibromomethane | 10.0 | 7.99 | 79.9 | 4.05 | 30 | 70 - 130 |
| Chloroethane | 10.0 | 8.93 | 89.3 | 1.89 | 30 | 70 - 130 |
| Chloroform | 10.0 | 11.6 | 91.8 | 4.98 | 30 | 70 - 130 |
| Chloromethane | 10.0 | 9.68 | 96.8 | 1.98 | 30 | 70 - 130 |
| Cyclohexane | 10.0 | 10.2 | 102 | 1.55 | 30 | 70 - 130 |
| 1,2-Dibromo-3-chloropropane (DBCP) | 10.0 | 7.67 | 76.7 | 1.71 | 30 | 70 - 130 |
| 1,2-Dibromoethane (EDB) | 10.0 | 8.36 | 83.6 | 7.26 | 30 | 70 - 130 |
| 1,2-Dichlorobenzene | 10.0 | 8.27 | 82.7 | 3.56 | 30 | 70 - 130 |
| 1,3-Dichlorobenzene | 10.0 | 8.23 | 82.3 | 2.04 | 30 | 70 - 130 |
| 1,4-Dichlorobenzene | 10.0 | 7.89 | 78.9 | 5.31 | 30 | 70 - 130 |
| Dichlorodifluoromethane (Freon 12) | 10.0 | 11.1 | 111 | 3.85 | 30 | 70 - 130 |
| 1,1-Dichloroethane | 10.0 | 9.24 | 92.4 | 2.99 | 30 | 70 - 130 |
| 1,2-Dichloroethane | 10.0 | 9.00 | 90.0 | 4.45 | 30 | 70 - 130 |
| 1,1-Dichloroethylene | 10.0 | 9.49 | 94.9 | 2.89 | 30 | 70 - 130 |
| cis-1,2-Dichloroethylene | 10.0 | 8.64 | 86.4 | 1.04 | 30 | 70 - 130 |
| trans-1,2-Dichloroethylene | 10.0 | 8.56 | 85.6 | 0.350 | 30 | 70 - 130 |
| 1,2-Dichloropropane | 10.0 | 9.52 | 95.2 | 0.628 | 30 | 70 - 130 |
| cis-1,3-Dichloropropene | 10.0 | 7.34 | 73.4 | 3.48 | 30 | 70 - 130 |
| trans-1,3-Dichloropropene | 10.0 | 7.45 | 74.5 | 1.86 | 30 | 70 - 130 |

# 3 - FORM III

## MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

MW-27S

| | | | |
|---|---|---|---|
| Laboratory: | Pace New England | Work Order: | 23D0848 |
| Client: | NYDEC_GES - Amherst, NY | Project: | 275 Franklin St, Buffalo, NY - CO 144192 |
| Matrix: | Water | Analysis: | SW-846 8260D |
| Batch: | B337044 | Preparation: | SW-846 5030B |
| % Solids: | | Laboratory ID: | B337044-MSD1 |
| Initial/Final: | 5 mL / 5 mL | Sample Lab ID: | 23D0848-01 |
| Column: | | | |

| ANALYTE | SPIKE ADDED (µg/L) | MSD CONCENTRATION (µg/L) | MSD % REC. # | | % RPD | QC LIMITS RPD | QC LIMITS REC. |
|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | 100 | 77.8 | 77.8 | | 2.53 | 30 | 70 - 130 |
| Ethylbenzene | 10.0 | 8.86 | 88.6 | | 1.01 | 30 | 70 - 130 |
| 2-Hexanone (MBK) | 100 | 91.5 | 91.5 | | 1.04 | 30 | 70 - 130 |
| Isopropylbenzene (Cumene) | 10.0 | 8.29 | 82.9 | | 2.74 | 30 | 70 - 130 |
| Methyl Acetate | 10.0 | 4.35 | 43.5 | * | 0.692 | 30 | 70 - 130 |
| Methyl tert-Butyl Ether (MTBE) | 10.0 | 9.07 | 90.7 | | 1.31 | 30 | 70 - 130 |
| Methyl Cyclohexane | 10.0 | 9.23 | 92.3 | | 0.108 | 30 | 70 - 130 |
| Methylene Chloride | 10.0 | 9.27 | 92.7 | | 1.41 | 30 | 70 - 130 |
| 4-Methyl-2-pentanone (MIBK) | 100 | 88.9 | 88.9 | | 3.54 | 30 | 70 - 130 |
| Styrene | 10.0 | 8.30 | 83.0 | | 0.969 | 30 | 70 - 130 |
| 1,1,2,2-Tetrachloroethane | 10.0 | 7.71 | 77.1 | | 4.44 | 30 | 70 - 130 |
| Tetrachloroethylene | 10.0 | 12.3 | 81.7 | | 3.75 | 30 | 70 - 130 |
| Toluene | 10.0 | 8.90 | 89.0 | | 4.18 | 30 | 70 - 130 |
| 1,2,3-Trichlorobenzene | 10.0 | 6.27 | 62.7 | * | 2.21 | 30 | 70 - 130 |
| 1,2,4-Trichlorobenzene | 10.0 | 6.92 | 69.2 | * | 2.71 | 30 | 70 - 130 |
| 1,1,1-Trichloroethane | 10.0 | 9.61 | 96.1 | | 0.104 | 30 | 70 - 130 |
| 1,1,2-Trichloroethane | 10.0 | 8.74 | 87.4 | | 2.26 | 30 | 70 - 130 |
| Trichloroethylene | 10.0 | 8.91 | 89.1 | | 2.22 | 30 | 70 - 130 |
| Trichlorofluoromethane (Freon 11) | 10.0 | 9.29 | 92.9 | | 2.45 | 30 | 70 - 130 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | 10.0 | 9.05 | 90.5 | | 0.880 | 30 | 70 - 130 |
| Vinyl Chloride | 10.0 | 10.9 | 109 | | 0.739 | 30 | 70 - 130 |
| Xylenes (total) | 30.0 | 25.6 | 85.3 | | 5.88 | 200 | 0 - 200 |

# 3 - FORM III

## LCS / LCS DUPLICATE RECOVERY

SW-846 8260D

| | | | |
|---|---|---|---|
| Laboratory: | Pace New England | Work Order: | 23D0848 |
| Client: | NYDEC_GES - Amherst, NY | Project: | 275 Franklin St, Buffalo, NY - CO 144192 |
| Matrix: | Water | Preparation: | SW-846 5030B |
| Batch: | B337043 | Laboratory ID: | B337043-BS1 |
| Column: | | Initial/Final: | 5 mL / 5 mL |

| ANALYTE | SPIKE ADDED (µg/L) | LCS CONCENTRATION (µg/L) | LCS % REC. | QC LIMITS REC. |
|---|---|---|---|---|
| Acetone | 100 | 99.5 | 99.5 | 70 - 160 |
| Benzene | 10.0 | 10.4 | 104 | 70 - 130 |
| Bromochloromethane | 10.0 | 10.9 | 109 | 70 - 130 |
| Bromodichloromethane | 10.0 | 9.48 | 94.8 | 70 - 130 |
| Bromoform | 10.0 | 8.57 | 85.7 | 70 - 130 |
| Bromomethane | 10.0 | 10.7 | 107 | 40 - 160 |
| 2-Butanone (MEK) | 100 | 111 | 111 | 40 - 160 |
| Carbon Disulfide | 100 | 96.3 | 96.3 | 70 - 130 |
| Carbon Tetrachloride | 10.0 | 9.24 | 92.4 | 70 - 130 |
| Chlorobenzene | 10.0 | 9.81 | 98.1 | 70 - 130 |
| Chlorodibromomethane | 10.0 | 9.44 | 94.4 | 70 - 130 |
| Chloroethane | 10.0 | 9.07 | 90.7 | 70 - 130 |
| Chloroform | 10.0 | 9.81 | 98.1 | 70 - 130 |
| Chloromethane | 10.0 | 8.95 | 89.5 | 40 - 160 |
| Cyclohexane | 10.0 | 10.7 | 107 | 70 - 130 |
| 1,2-Dibromo-3-chloropropane (DBCP) | 10.0 | 9.00 | 90.0 | 70 - 130 |
| 1,2-Dibromoethane (EDB) | 10.0 | 10.2 | 102 | 70 - 130 |
| 1,2-Dichlorobenzene | 10.0 | 10.1 | 101 | 70 - 130 |
| 1,3-Dichlorobenzene | 10.0 | 10.0 | 100 | 70 - 130 |
| 1,4-Dichlorobenzene | 10.0 | 9.43 | 94.3 | 70 - 130 |
| Dichlorodifluoromethane (Freon 12) | 10.0 | 10.6 | 106 | 40 - 160 |
| 1,1-Dichloroethane | 10.0 | 9.82 | 98.2 | 70 - 130 |
| 1,2-Dichloroethane | 10.0 | 9.38 | 93.8 | 70 - 130 |
| 1,1-Dichloroethylene | 10.0 | 9.30 | 93.0 | 70 - 130 |
| cis-1,2-Dichloroethylene | 10.0 | 10.0 | 100 | 70 - 130 |
| trans-1,2-Dichloroethylene | 10.0 | 9.36 | 93.6 | 70 - 130 |
| 1,2-Dichloropropane | 10.0 | 10.7 | 107 | 70 - 130 |
| cis-1,3-Dichloropropene | 10.0 | 10.3 | 103 | 70 - 130 |
| trans-1,3-Dichloropropene | 10.0 | 10.5 | 105 | 70 - 130 |
| 1,4-Dioxane | 100 | 87.0 | 87.0 | 40 - 130 |
| Ethylbenzene | 10.0 | 10.3 | 103 | 70 - 130 |
| 2-Hexanone (MBK) | 100 | 99.0 | 99.0 | 70 - 160 |
| Isopropylbenzene (Cumene) | 10.0 | 9.91 | 99.1 | 70 - 130 |
| Methyl Acetate | 10.0 | 7.82 | 78.2 | 70 - 130 |
| Methyl tert-Butyl Ether (MTBE) | 10.0 | 10.4 | 104 | 70 - 130 |
| Methyl Cyclohexane | 10.0 | 11.1 | 111 | 70 - 130 |
| Methylene Chloride | 10.0 | 9.55 | 95.5 | 70 - 130 |

# 3 - FORM III

## LCS / LCS DUPLICATE RECOVERY

SW-846 8260D

| | | | |
|---|---|---|---|
| Laboratory: | Pace New England | Work Order: | 23D0848 |
| Client: | NYDEC_GES - Amherst, NY | Project: | 275 Franklin St, Buffalo, NY - CO 144192 |
| Matrix: | Water | Preparation: | SW-846 5030B |
| Batch: | B337043 | Laboratory ID: | B337043-BS1 |
| Column: | | Initial/Final: | 5 mL / 5 mL |

| ANALYTE | SPIKE ADDED (µg/L) | LCS CONCENTRATION (µg/L) | LCS % REC. | QC LIMITS REC. |
|---|---|---|---|---|
| 4-Methyl-2-pentanone (MIBK) | 100 | 96.8 | 96.8 | 70 - 160 |
| Styrene | 10.0 | 10.0 | 100 | 70 - 130 |
| 1,1,2,2-Tetrachloroethane | 10.0 | 9.41 | 94.1 | 70 - 130 |
| Tetrachloroethylene | 10.0 | 10.5 | 105 | 70 - 130 |
| Toluene | 10.0 | 10.3 | 103 | 70 - 130 |
| 1,2,3-Trichlorobenzene | 10.0 | 9.69 | 96.9 | 70 - 130 |
| 1,2,4-Trichlorobenzene | 10.0 | 10.1 | 101 | 70 - 130 |
| 1,1,1-Trichloroethane | 10.0 | 9.66 | 96.6 | 70 - 130 |
| 1,1,2-Trichloroethane | 10.0 | 10.5 | 105 | 70 - 130 |
| Trichloroethylene | 10.0 | 9.72 | 97.2 | 70 - 130 |
| Trichlorofluoromethane (Freon 11) | 10.0 | 9.23 | 92.3 | 70 - 130 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | 10.0 | 9.88 | 98.8 | 70 - 130 |
| Vinyl Chloride | 10.0 | 10.8 | 108 | 40 - 160 |
| m+p Xylene | 20.0 | 19.9 | 99.6 | 70 - 130 |
| o-Xylene | 10.0 | 9.86 | 98.6 | 70 - 130 |
| Xylenes (total) | 30.0 | 29.8 | 99.3 | 0 - 200 |

| ANALYTE | SPIKE ADDED (µg/L) | LCSD CONCENTRATION (µg/L) | LCSD % REC. # | % RPD # | QC LIMITS RPD | QC LIMITS REC. |
|---|---|---|---|---|---|---|
| Acetone | 100 | 102 | 102 | 2.91 | 25 | 70 - 160 |
| Benzene | 10.0 | 10.6 | 106 | 2.00 | 25 | 70 - 130 |
| Bromochloromethane | 10.0 | 11.0 | 110 | 1.28 | 25 | 70 - 130 |
| Bromodichloromethane | 10.0 | 9.76 | 97.6 | 2.91 | 25 | 70 - 130 |
| Bromoform | 10.0 | 9.10 | 91.0 | 6.00 | 25 | 70 - 130 |
| Bromomethane | 10.0 | 10.4 | 104 | 2.47 | 25 | 40 - 160 |
| 2-Butanone (MEK) | 100 | 116 | 116 | 4.52 | 25 | 40 - 160 |
| Carbon Disulfide | 100 | 96.2 | 96.2 | 0.0208 | 25 | 70 - 130 |
| Carbon Tetrachloride | 10.0 | 9.12 | 91.2 | 1.31 | 25 | 70 - 130 |
| Chlorobenzene | 10.0 | 9.88 | 98.8 | 0.711 | 25 | 70 - 130 |
| Chlorodibromomethane | 10.0 | 9.32 | 93.2 | 1.28 | 25 | 70 - 130 |
| Chloroethane | 10.0 | 9.18 | 91.8 | 1.21 | 25 | 70 - 130 |
| Chloroform | 10.0 | 9.62 | 96.2 | 1.96 | 25 | 70 - 130 |
| Chloromethane | 10.0 | 8.86 | 88.6 | 1.01 | 25 | 40 - 160 |
| Cyclohexane | 10.0 | 10.7 | 107 | 0.187 | 25 | 70 - 130 |

# 3 - FORM III

## LCS / LCS DUPLICATE RECOVERY

SW-846 8260D

| | | | |
|---|---|---|---|
| Laboratory: | Pace New England | Work Order: | 23D0848 |
| Client: | NYDEC_GES - Amherst, NY | Project: | 275 Franklin St, Buffalo, NY - CO 144192 |
| Matrix: | Water | Preparation: | SW-846 5030B |
| Batch: | B337043 | Laboratory ID: | B337043-BSD1 |
| Column: | | Initial/Final: | 5 mL / 5 mL |

| ANALYTE | SPIKE ADDED (µg/L) | LCSD CONCENTRATION (µg/L) | LCSD % REC. # | % RPD # | QC LIMITS RPD | QC LIMITS REC. |
|---|---|---|---|---|---|---|
| 1,2-Dibromo-3-chloropropane (DBCP) | 10.0 | 9.46 | 94.6 | 4.98 | 25 | 70 - 130 |
| 1,2-Dibromoethane (EDB) | 10.0 | 10.1 | 101 | 0.787 | 25 | 70 - 130 |
| 1,2-Dichlorobenzene | 10.0 | 9.85 | 98.5 | 2.90 | 25 | 70 - 130 |
| 1,3-Dichlorobenzene | 10.0 | 10.0 | 100 | 0.399 | 25 | 70 - 130 |
| 1,4-Dichlorobenzene | 10.0 | 9.64 | 96.4 | 2.20 | 25 | 70 - 130 |
| Dichlorodifluoromethane (Freon 12) | 10.0 | 10.8 | 108 | 1.88 | 25 | 40 - 160 |
| 1,1-Dichloroethane | 10.0 | 9.86 | 98.6 | 0.407 | 25 | 70 - 130 |
| 1,2-Dichloroethane | 10.0 | 9.03 | 90.3 | 3.80 | 25 | 70 - 130 |
| 1,1-Dichloroethylene | 10.0 | 9.24 | 92.4 | 0.647 | 25 | 70 - 130 |
| cis-1,2-Dichloroethylene | 10.0 | 9.60 | 96.0 | 4.38 | 25 | 70 - 130 |
| trans-1,2-Dichloroethylene | 10.0 | 9.35 | 93.5 | 0.107 | 25 | 70 - 130 |
| 1,2-Dichloropropane | 10.0 | 10.7 | 107 | 0.00 | 25 | 70 - 130 |
| cis-1,3-Dichloropropene | 10.0 | 10.2 | 102 | 0.586 | 25 | 70 - 130 |
| trans-1,3-Dichloropropene | 10.0 | 10.0 | 100 | 4.48 | 25 | 70 - 130 |
| 1,4-Dioxane | 100 | 104 | 104 | 17.6 | 50 | 40 - 130 |
| Ethylbenzene | 10.0 | 10.2 | 102 | 0.979 | 25 | 70 - 130 |
| 2-Hexanone (MBK) | 100 | 113 | 113 | 13.3 | 25 | 70 - 160 |
| Isopropylbenzene (Cumene) | 10.0 | 10.1 | 101 | 2.20 | 25 | 70 - 130 |
| Methyl Acetate | 10.0 | 8.41 | 84.1 | 7.27 | 25 | 70 - 130 |
| Methyl tert-Butyl Ether (MTBE) | 10.0 | 10.4 | 104 | 0.672 | 25 | 70 - 130 |
| Methyl Cyclohexane | 10.0 | 11.3 | 113 | 1.43 | 25 | 70 - 130 |
| Methylene Chloride | 10.0 | 9.32 | 93.2 | 2.44 | 25 | 70 - 130 |
| 4-Methyl-2-pentanone (MIBK) | 100 | 106 | 106 | 8.85 | 25 | 70 - 160 |
| Styrene | 10.0 | 10.4 | 104 | 3.42 | 25 | 70 - 130 |
| 1,1,2,2-Tetrachloroethane | 10.0 | 9.51 | 95.1 | 1.06 | 25 | 70 - 130 |
| Tetrachloroethylene | 10.0 | 10.1 | 101 | 3.97 | 25 | 70 - 130 |
| Toluene | 10.0 | 10.1 | 101 | 2.06 | 25 | 70 - 130 |
| 1,2,3-Trichlorobenzene | 10.0 | 9.53 | 95.3 | 1.66 | 25 | 70 - 130 |
| 1,2,4-Trichlorobenzene | 10.0 | 10.4 | 104 | 3.02 | 25 | 70 - 130 |
| 1,1,1-Trichloroethane | 10.0 | 9.45 | 94.5 | 2.20 | 25 | 70 - 130 |
| 1,1,2-Trichloroethane | 10.0 | 10.2 | 102 | 2.99 | 25 | 70 - 130 |
| Trichloroethylene | 10.0 | 10.0 | 100 | 3.24 | 25 | 70 - 130 |
| Trichlorofluoromethane (Freon 11) | 10.0 | 9.08 | 90.8 | 1.64 | 25 | 70 - 130 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | 10.0 | 9.79 | 97.9 | 0.915 | 25 | 70 - 130 |

# 3 - FORM III

## LCS / LCS DUPLICATE RECOVERY

SW-846 8260D

| | | | |
|---|---|---|---|
| Laboratory: | Pace New England | Work Order: | 23D0848 |
| Client: | NYDEC_GES - Amherst, NY | Project: | 275 Franklin St, Buffalo, NY - CO 144192 |
| Matrix: | Water | Preparation: | SW-846 5030B |
| Batch: | B337043 | Laboratory ID: | B337043-BSD1 |
| Column: | | Initial/Final: | 5 mL / 5 mL |

| ANALYTE | SPIKE ADDED (µg/L) | LCSD CONCENTRATION (µg/L) | LCSD % REC. # | % RPD # | QC LIMITS RPD | QC LIMITS REC. |
|---|---|---|---|---|---|---|
| Vinyl Chloride | 10.0 | 10.9 | 109 | 1.29 | 25 | 40 - 160 |
| m+p Xylene | 20.0 | 20.1 | 100 | 0.700 | 25 | 70 - 130 |
| o-Xylene | 10.0 | 10.0 | 100 | 1.41 | 25 | 70 - 130 |
| Xylenes (total) | 30.0 | 30.1 | 100 | 0.936 | 200 | 0 - 200 |

# 3 - FORM III

## LCS / LCS DUPLICATE RECOVERY

SW-846 8260D

| | | | |
|---|---|---|---|
| Laboratory: | Pace New England | Work Order: | 23D0848 |
| Client: | NYDEC_GES - Amherst, NY | Project: | 275 Franklin St, Buffalo, NY - CO 144192 |
| Matrix: | Water | Preparation: | SW-846 5030B |
| Batch: | B337044 | Laboratory ID: | B337044-BS1 |
| Column: | | Initial/Final: | 5 mL / 5 mL |

| ANALYTE | SPIKE ADDED (µg/L) | LCS CONCENTRATION (µg/L) | LCS % REC. | QC LIMITS REC. |
|---|---|---|---|---|
| Acetone | 100 | 90.5 | 90.5 | 70 - 160 |
| Benzene | 10.0 | 10.7 | 107 | 70 - 130 |
| Bromochloromethane | 10.0 | 10.7 | 107 | 70 - 130 |
| Bromodichloromethane | 10.0 | 9.63 | 96.3 | 70 - 130 |
| Bromoform | 10.0 | 8.28 | 82.8 | 70 - 130 |
| Bromomethane | 10.0 | 11.2 | 112 | 40 - 160 |
| 2-Butanone (MEK) | 100 | 102 | 102 | 40 - 160 |
| tert-Butyl Alcohol (TBA) | 100 | 76.5 | 76.5 | 40 - 160 |
| Carbon Disulfide | 100 | 93.4 | 93.4 | 70 - 130 |
| Carbon Tetrachloride | 10.0 | 9.31 | 93.1 | 70 - 130 |
| Chlorobenzene | 10.0 | 9.75 | 97.5 | 70 - 130 |
| Chlorodibromomethane | 10.0 | 8.73 | 87.3 | 70 - 130 |
| Chloroethane | 10.0 | 9.39 | 93.9 | 70 - 130 |
| Chloroform | 10.0 | 9.63 | 96.3 | 70 - 130 |
| Chloromethane | 10.0 | 9.53 | 95.3 | 40 - 160 |
| Cyclohexane | 10.0 | 10.5 | 105 | 70 - 130 |
| 1,2-Dibromo-3-chloropropane (DBCP) | 10.0 | 8.36 | 83.6 | 70 - 130 |
| 1,2-Dibromoethane (EDB) | 10.0 | 9.80 | 98.0 | 70 - 130 |
| 1,2-Dichlorobenzene | 10.0 | 9.98 | 99.8 | 70 - 130 |
| 1,3-Dichlorobenzene | 10.0 | 9.79 | 97.9 | 70 - 130 |
| 1,4-Dichlorobenzene | 10.0 | 9.27 | 92.7 | 70 - 130 |
| Dichlorodifluoromethane (Freon 12) | 10.0 | 11.1 | 111 | 40 - 160 |
| 1,1-Dichloroethane | 10.0 | 9.61 | 96.1 | 70 - 130 |
| 1,2-Dichloroethane | 10.0 | 9.69 | 96.9 | 70 - 130 |
| 1,1-Dichloroethylene | 10.0 | 9.23 | 92.3 | 70 - 130 |
| cis-1,2-Dichloroethylene | 10.0 | 9.21 | 92.1 | 70 - 130 |
| trans-1,2-Dichloroethylene | 10.0 | 9.07 | 90.7 | 70 - 130 |
| 1,2-Dichloropropane | 10.0 | 10.5 | 105 | 70 - 130 |
| cis-1,3-Dichloropropene | 10.0 | 9.18 | 91.8 | 70 - 130 |
| trans-1,3-Dichloropropene | 10.0 | 9.00 | 90.0 | 70 - 130 |
| 1,4-Dioxane | 100 | 93.4 | 93.4 | 40 - 130 |
| Ethylbenzene | 10.0 | 10.1 | 101 | 70 - 130 |
| 2-Hexanone (MBK) | 100 | 99.0 | 99.0 | 70 - 160 |
| Isopropylbenzene (Cumene) | 10.0 | 9.88 | 98.8 | 70 - 130 |
| Methyl Acetate | 10.0 | 8.12 | 81.2 | 70 - 130 |
| Methyl tert-Butyl Ether (MTBE) | 10.0 | 9.77 | 97.7 | 70 - 130 |
| Methyl Cyclohexane | 10.0 | 10.7 | 107 | 70 - 130 |

# 3 - FORM III

## LCS / LCS DUPLICATE RECOVERY

SW-846 8260D

| | | | |
|---|---|---|---|
| Laboratory: | Pace New England | Work Order: | 23D0848 |
| Client: | NYDEC_GES - Amherst, NY | Project: | 275 Franklin St, Buffalo, NY - CO 144192 |
| Matrix: | Water | Preparation: | SW-846 5030B |
| Batch: | B337044 | Laboratory ID: | B337044-BS1 |
| Column: | | Initial/Final: | 5 mL / 5 mL |

| ANALYTE | SPIKE ADDED (µg/L) | LCS CONCENTRATION (µg/L) | LCS % REC. | QC LIMITS REC. |
|---|---|---|---|---|
| Methylene Chloride | 10.0 | 9.28 | 92.8 | 70 - 130 |
| 4-Methyl-2-pentanone (MIBK) | 100 | 96.2 | 96.2 | 70 - 160 |
| Styrene | 10.0 | 10.1 | 101 | 70 - 130 |
| 1,1,2,2-Tetrachloroethane | 10.0 | 8.88 | 88.8 | 70 - 130 |
| Tetrachloroethylene | 10.0 | 9.74 | 97.4 | 70 - 130 |
| Toluene | 10.0 | 10.1 | 101 | 70 - 130 |
| 1,2,3-Trichlorobenzene | 10.0 | 8.65 | 86.5 | 70 - 130 |
| 1,2,4-Trichlorobenzene | 10.0 | 9.26 | 92.6 | 70 - 130 |
| 1,1,1-Trichloroethane | 10.0 | 9.44 | 94.4 | 70 - 130 |
| 1,1,2-Trichloroethane | 10.0 | 9.97 | 99.7 | 70 - 130 |
| Trichloroethylene | 10.0 | 10.5 | 105 | 70 - 130 |
| Trichlorofluoromethane (Freon 11) | 10.0 | 9.32 | 93.2 | 70 - 130 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | 10.0 | 9.59 | 95.9 | 70 - 130 |
| 1,2,3-Trimethylbenzene | 10.0 | 10.6 | 106 | 70 - 130 |
| 1,2,4-Trimethylbenzene | 10.0 | 9.79 | 97.9 | 70 - 130 |
| 1,3,5-Trimethylbenzene | 10.0 | 9.77 | 97.7 | 70 - 130 |
| Vinyl Chloride | 10.0 | 11.3 | 113 | 40 - 160 |
| m+p Xylene | 20.0 | 19.8 | 98.9 | 70 - 130 |
| o-Xylene | 10.0 | 9.95 | 99.5 | 70 - 130 |
| Xylenes (total) | 30.0 | 29.7 | 99.1 | 0 - 200 |

| ANALYTE | SPIKE ADDED (µg/L) | LCSD CONCENTRATION (µg/L) | LCSD % REC. # | % RPD # | QC LIMITS RPD | QC LIMITS REC. |
|---|---|---|---|---|---|---|
| Acetone | 100 | 93.9 | 93.9 | 3.73 | 25 | 70 - 160 |
| Benzene | 10.0 | 10.4 | 104 | 2.09 | 25 | 70 - 130 |
| Bromochloromethane | 10.0 | 10.4 | 104 | 2.57 | 25 | 70 - 130 |
| Bromodichloromethane | 10.0 | 9.14 | 91.4 | 5.22 | 25 | 70 - 130 |
| Bromoform | 10.0 | 8.11 | 81.1 | 2.07 | 25 | 70 - 130 |
| Bromomethane | 10.0 | 10.6 | 106 | 5.04 | 25 | 40 - 160 |
| 2-Butanone (MEK) | 100 | 105 | 105 | 2.59 | 25 | 40 - 160 |
| tert-Butyl Alcohol (TBA) | 100 | 77.1 | 77.1 | 0.729 | 25 | 40 - 160 |
| Carbon Disulfide | 100 | 91.2 | 91.2 | 2.37 | 25 | 70 - 130 |
| Carbon Tetrachloride | 10.0 | 8.71 | 87.1 | 6.66 | 25 | 70 - 130 |
| Chlorobenzene | 10.0 | 9.39 | 93.9 | 3.76 | 25 | 70 - 130 |
| Chlorodibromomethane | 10.0 | 8.42 | 84.2 | 3.62 | 25 | 70 - 130 |

# 3 - FORM III

## LCS / LCS DUPLICATE RECOVERY

SW-846 8260D

| | | | |
|---|---|---|---|
| Laboratory: | Pace New England | Work Order: | 23D0848 |
| Client: | NYDEC_GES - Amherst, NY | Project: | 275 Franklin St, Buffalo, NY - CO 144192 |
| Matrix: | Water | Preparation: | SW-846 5030B |
| Batch: | B337044 | Laboratory ID: | B337044-BSD1 |
| Column: | | Initial/Final: | 5 mL / 5 mL |

| ANALYTE | SPIKE ADDED (µg/L) | LCSD CONCENTRATION (µg/L) | LCSD % REC. # | % RPD # | QC LIMITS RPD | QC LIMITS REC. |
|---|---|---|---|---|---|---|
| Chloroethane | 10.0 | 8.98 | 89.8 | 4.46 | 25 | 70 - 130 |
| Chloroform | 10.0 | 9.43 | 94.3 | 2.10 | 25 | 70 - 130 |
| Chloromethane | 10.0 | 9.23 | 92.3 | 3.20 | 25 | 40 - 160 |
| Cyclohexane | 10.0 | 9.81 | 98.1 | 6.79 | 25 | 70 - 130 |
| 1,2-Dibromo-3-chloropropane (DBCP) | 10.0 | 8.28 | 82.8 | 0.962 | 25 | 70 - 130 |
| 1,2-Dibromoethane (EDB) | 10.0 | 9.79 | 97.9 | 0.102 | 25 | 70 - 130 |
| 1,2-Dichlorobenzene | 10.0 | 9.46 | 94.6 | 5.35 | 25 | 70 - 130 |
| 1,3-Dichlorobenzene | 10.0 | 9.68 | 96.8 | 1.13 | 25 | 70 - 130 |
| 1,4-Dichlorobenzene | 10.0 | 9.09 | 90.9 | 1.96 | 25 | 70 - 130 |
| Dichlorodifluoromethane (Freon 12) | 10.0 | 10.6 | 106 | 4.23 | 25 | 40 - 160 |
| 1,1-Dichloroethane | 10.0 | 9.25 | 92.5 | 3.82 | 25 | 70 - 130 |
| 1,2-Dichloroethane | 10.0 | 9.32 | 93.2 | 3.89 | 25 | 70 - 130 |
| 1,1-Dichloroethylene | 10.0 | 8.76 | 87.6 | 5.23 | 25 | 70 - 130 |
| cis-1,2-Dichloroethylene | 10.0 | 8.98 | 89.8 | 2.53 | 25 | 70 - 130 |
| trans-1,2-Dichloroethylene | 10.0 | 8.99 | 89.9 | 0.886 | 25 | 70 - 130 |
| 1,2-Dichloropropane | 10.0 | 10.2 | 102 | 2.71 | 25 | 70 - 130 |
| cis-1,3-Dichloropropene | 10.0 | 8.96 | 89.6 | 2.43 | 25 | 70 - 130 |
| trans-1,3-Dichloropropene | 10.0 | 8.96 | 89.6 | 0.445 | 25 | 70 - 130 |
| 1,4-Dioxane | 100 | 87.3 | 87.3 | 6.79 | 50 | 40 - 130 |
| Ethylbenzene | 10.0 | 9.65 | 96.5 | 4.36 | 25 | 70 - 130 |
| 2-Hexanone (MBK) | 100 | 98.6 | 98.6 | 0.374 | 25 | 70 - 160 |
| Isopropylbenzene (Cumene) | 10.0 | 9.38 | 93.8 | 5.19 | 25 | 70 - 130 |
| Methyl Acetate | 10.0 | 8.21 | 82.1 | 1.10 | 25 | 70 - 130 |
| Methyl tert-Butyl Ether (MTBE) | 10.0 | 9.72 | 97.2 | 0.513 | 25 | 70 - 130 |
| Methyl Cyclohexane | 10.0 | 10.2 | 102 | 5.17 | 25 | 70 - 130 |
| Methylene Chloride | 10.0 | 9.01 | 90.1 | 2.95 | 25 | 70 - 130 |
| 4-Methyl-2-pentanone (MIBK) | 100 | 97.0 | 97.0 | 0.808 | 25 | 70 - 160 |
| Styrene | 10.0 | 9.51 | 95.1 | 5.62 | 25 | 70 - 130 |
| 1,1,2,2-Tetrachloroethane | 10.0 | 8.78 | 87.8 | 1.13 | 25 | 70 - 130 |
| Tetrachloroethylene | 10.0 | 9.19 | 91.9 | 5.81 | 25 | 70 - 130 |
| Toluene | 10.0 | 9.79 | 97.9 | 3.02 | 25 | 70 - 130 |
| 1,2,3-Trichlorobenzene | 10.0 | 8.75 | 87.5 | 1.15 | 25 | 70 - 130 |
| 1,2,4-Trichlorobenzene | 10.0 | 8.84 | 88.4 | 4.64 | 25 | 70 - 130 |
| 1,1,1-Trichloroethane | 10.0 | 9.04 | 90.4 | 4.33 | 25 | 70 - 130 |
| 1,1,2-Trichloroethane | 10.0 | 9.60 | 96.0 | 3.78 | 25 | 70 - 130 |

# 3 - FORM III

## LCS / LCS DUPLICATE RECOVERY

SW-846 8260D

| | | | |
|---|---|---|---|
| Laboratory: | Pace New England | Work Order: | 23D0848 |
| Client: | NYDEC_GES - Amherst, NY | Project: | 275 Franklin St, Buffalo, NY - CO 144192 |
| Matrix: | Water | Preparation: | SW-846 5030B |
| Batch: | B337044 | Laboratory ID: | B337044-BSD1 |
| Column: | | Initial/Final: | 5 mL / 5 mL |

| ANALYTE | SPIKE ADDED (µg/L) | LCSD CONCENTRATION (µg/L) | LCSD % REC. # | % RPD # | QC LIMITS RPD | QC LIMITS REC. |
|---|---|---|---|---|---|---|
| Trichloroethylene | 10.0 | 9.82 | 98.2 | 6.98 | 25 | 70 - 130 |
| Trichlorofluoromethane (Freon 11) | 10.0 | 8.83 | 88.3 | 5.40 | 25 | 70 - 130 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | 10.0 | 8.82 | 88.2 | 8.37 | 25 | 70 - 130 |
| 1,2,3-Trimethylbenzene | 10.0 | 9.94 | 99.4 | 6.05 | 25 | 70 - 130 |
| 1,2,4-Trimethylbenzene | 10.0 | 9.28 | 92.8 | 5.35 | 25 | 70 - 130 |
| 1,3,5-Trimethylbenzene | 10.0 | 9.38 | 93.8 | 4.07 | 25 | 70 - 130 |
| Vinyl Chloride | 10.0 | 10.5 | 105 | 7.52 | 25 | 40 - 160 |
| m+p Xylene | 20.0 | 18.9 | 94.7 | 4.34 | 25 | 70 - 130 |
| o-Xylene | 10.0 | 9.46 | 94.6 | 5.05 | 25 | 70 - 130 |
| Xylenes (total) | 30.0 | 28.4 | 94.7 | 4.58 | 200 | 0 - 200 |

# 4 - FORM IV
# METHOD BLANK SUMMARY

## SW-846 8260D

| | | | |
|---|---|---|---|
| Laboratory: | Pace New England | Work Order: | 23D0848 |
| Client: | NYDEC_GES - Amherst, NY | Project: | 275 Franklin St, Buffalo, NY - CO 144192 |
| Blank ID: | B337043-BLK1 Batch: B337043 | Prepared: | 04/13/2023 07:07 |

| Client Sample ID | Laboratory Sample ID | Lab File ID | Time Analyzed |
|---|---|---|---|
| LCS | B337043-BS1 | C22V10303.D | 11:06 |
| LCS Dup | B337043-BSD1 | C22V10304.D | 11:32 |
| Trip Blank | 23D0848-06 | C22V10309.D | 13:45 |
| DUP-1 | 23D0848-02 | C22V10323.D | 19:59 |
| MW-23D | 23D0848-05 | C22V10324.D | 20:25 |
| MW-26S | 23D0848-03 | C22V10325.D | 20:52 |
| MW-25S | 23D0848-04 | C22V10326.D | 21:19 |

# 4 - FORM IV
# METHOD BLANK SUMMARY

## SW-846 8260D

| | | | |
|---|---|---|---|
| Laboratory: | Pace New England | Work Order: | 23D0848 |
| Client: | NYDEC_GES - Amherst, NY | Project: | 275 Franklin St, Buffalo, NY - CO 144192 |
| Blank ID: | B337044-BLK1 Batch: B337044 | Prepared: | 04/13/2023 07:13 |

| Client Sample ID | Laboratory Sample ID | Lab File ID | Time Analyzed |
|---|---|---|---|
| LCS | B337044-BS1 | C22V10488.D | 01:21 |
| LCS Dup | B337044-BSD1 | C22V10489.D | 01:48 |
| MW-27S | 23D0848-01 | C22V10496.D | 04:54 |
| Matrix Spike | B337044-MS1 | C22V10512.D | 12:00 |
| Matrix Spike Dup | B337044-MSD1 | C22V10513.D | 12:27 |

# 5 - FORM V
# INSTRUMENT PERFORMANCE CHECK

## SW-846 8260D

| | | | |
|---|---|---|---|
| Laboratory: | Pace New England | Work Order: | 23D0848 |
| Client: | NYDEC_GES - Amherst, NY | Project: | 275 Franklin St, Buffalo, NY - CO 144192 |
| 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 | C22V21921.D | 08/08/2022 | 13:59:00 |
| 100 PPB | S075427-CAL9 | C22V21918.D | 08/08/2022 | 13:59:00 |
| 200 PPB | S075427-CALA | C22V21922.D | 08/08/2022 | 14:23:00 |
| 200 PPB | S075427-CALA | C22V21919.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

*SW-846 8260D*

Client: NYDEC GES - Amherst, NY SDG: 23D0848

Project: 275 Franklin St, Buffalo, NY - CO 144192

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 (D | | | | | 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 |
| 1,2-Dichlorobenzene | 0.4 | 0.9617611 | 0.5 | 0.9632691 | 1 | 1.077844 | 2 | 1.202837 | 5 | 1.271961 | 10 | 1.286543 |

# 6 - FORM VI
# INITIAL CALIBRATION DATA SHEET

*SW-846 8260D*

Client: NYDEC GES - Amherst, NY SDG: 23D0848

Project: 275 Franklin St, Buffalo, NY - CO 144192

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 |
| 1,3-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 | 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 2 | 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 2 | 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 |
| 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 |

# 6 - FORM VI
# INITIAL CALIBRATION DATA SHEET

*SW-846 8260D*

Client: NYDEC GES - Amherst, NY SDG: 23D0848

Project: 275 Franklin St, Buffalo, NY - CO 144192

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 |
| 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 1 | 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-trifluoroeth | 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)

*SW-846 8260D*

Client: NYDEC GES - Amherst, NY SDG: 23D0848

Project: 275 Franklin St, Buffalo, NY - CO 144192

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 | 2000 | 1.142375 | | | | |
| 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 (D | 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 | | | | |
| 1,2-Dichlorobenzene | 20 | 1.327007 | 50 | 1.341933 | 100 | 1.343828 | 200 | 1.359352 | | | | |

# 6 - FORM VI
# INITIAL CALIBRATION DATA SHEET (Continued)

*SW-846 8260D*

Client: NYDEC GES - Amherst, NY SDG: 23D0848

Project: 275 Franklin St, Buffalo, NY - CO 144192

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 |
| 1,3-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 | | | | |
| 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 | | | | |

# 6 - FORM VI
# INITIAL CALIBRATION DATA SHEET (Continued)

*SW-846 8260D*

Client: NYDEC GES - Amherst, NY SDG: 23D0848

Project: 275 Franklin St, Buffalo, NY - CO 144192

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 |
| 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 1 | 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-trifluoroeth | 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: | 23D0848 |
| Client: | NYDEC_GES - Amherst, NY | Project: | 275 Franklin St, Buffalo, NY - CO 144192 |
| 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 | 1.250483 | 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: | 23D0848 |
| Client: | NYDEC_GES - Amherst, NY | Project: | 275 Franklin St, Buffalo, NY - CO 144192 |
| 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: | 23D0848 |
| Client: | NYDEC_GES - Amherst, NY | Project: | 275 Franklin St, Buffalo, NY - CO 144192 |
| 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

## SW-846 8260D

| | | | |
|---|---|---|---|
| Laboratory: | Pace New England | Work Order: | 23D0848 |
| Client: | NYDEC_GES - Amherst, NY | Project: | 275 Franklin St, Buffalo, NY - CO 144192 |
| 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 | |

Response Factor Report GCMSVOA3

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... | ----------ISTD---------- | | | | | | | | | | | |
| 2) | S | 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) | P | 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) | C | 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) | C | 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) | P | 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 ISOPROYL 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-DICHLO... | 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) | C | 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 | 0.658 | 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-AMYLMETHYL 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 |
| 48) | | 1,4-DIFLUOROBENZEN... | ----------ISTD---------- | | | | | | | | | | | |
| 49) | S | 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 |
| 50) | | 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 |
| 51) | | 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 |
| 52) | | 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 |
| 53) | C | 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# |
| 54) | | 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 |
| 55) | | METHYL METHACR... | | | | | | | | | | | 0.000 | -1.00 |
| 56) | | 1,4-DIOXANE | | | | 0.004 | 0.004 | 0.004 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 10.93 |
| 57) | | 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 |
| 58) | | 2-CHLOROETHYLV... | | | 0.125 | 0.130 | 0.153 | 0.158 | 0.173 | 0.182 | 0.186 | 0.199 | 0.163 | 16.34 |
| 59) | | 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 |
| 60) | | CIS-1,3-DICHLO... | 0.388 | 0.370 | 0.455 | 0.451 | 0.464 | 0.489 | 0.507 | 0.533 | 0.528 | 0.550 | 0.473 | 12.72 |
| 61) | C | 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# |
| 62) | | 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 |
| 63) | | ETHYL METHACRY... | | | | | | | | | | | 0.000 | -1.00 |
| 64) | | 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 |
| 65) | | 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 |
| 66) | | 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 |
| 67) | | 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 |
| 68) | | 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 |
| 69) | | 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 |
| 70) | | CHLOROBENZENE-D5 ... | ----------ISTD---------- | | | | | | | | | | | |
| 71) | S | 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 |
| 72) | T | 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 |
| 73) | | 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 |
| 74) | C | 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# |
| 75) | | 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 |
| 76) | | 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 |
| 77) | | 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 |
| 78) | P | BROMOFORM | | 0.320 | 0.457 | 0.473 | 0.520 | 0.530 | 0.565 | 0.591 | 0.617 | 0.639 | 0.523 | 18.74 |
| 79) | | 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 |
| 80) | | CIS-1,4-DICHLO... | | | | | | | | | | | 0.000 | -1.00 |
| 81) | P | 1,1,2,2-TETRAC... | 0.719 | 0.685 | 0.821 | 0.921 | 0.943 | 0.965 | 1.001 | 1.036 | 1.037 | 1.050 | 0.918 | 14.47 |
| 82) | | 1,4-DICHLORO-2... | | | 0.183 | 0.234 | 0.212 | 0.225 | 0.239 | 0.267 | 0.275 | 0.283 | 0.240 | 14.15 |
| 83) | | 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 |
| 84) | | 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 |
| 85) | | 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 |
| 86) | | 2-CHLOROT0LUENE | 1.465 | 1.539 | 1.543 | 1.617 | 1.741 | 1.846 | 1.878 | 1.933 | 1.922 | 1.979 | 1.746 | 10.91 |
| 87) | | 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 |
| 88) | | 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 |
| 89) | | 1,4-DICHLOROBENZEN... | ----------ISTD---------- | | | | | | | | | | | |
| 90) | | 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 |
| 91) | | 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 |
| 92) | | 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 |
| 93) | | 1,3-DICHLOROBE... | 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-ISOPROPYLTOL... | 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-DICHLOROBE... | 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-DICHLOROBE... | 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 |
| 100) | 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 |
| 101) | 1,2,4-TRICHLOR... | | | 0.464 | 0.546 | 0.623 | 0.671 | 0.718 | 0.785 | 0.804 | 0.821 | 0.679 | 18.94 |
| 102) | HEXACHLOROBUTA... | | 0.174 | 0.226 | 0.296 | 0.296 | 0.305 | 0.314 | 0.309 | 0.319 | 0.329 | 0.285 | 17.86 |
| 103) | NAPHTHALENE | | | | 1.429 | 1.654 | 1.863 | 2.062 | 2.366 | 2.437 | 2.441 | 2.036 | 19.84 |
| 104) | 1,2,3-TRICHLOR... | | | 0.483 | 0.522 | 0.635 | 0.641 | 0.695 | 0.773 | 0.782 | 0.779 | 0.664 | 17.46 |

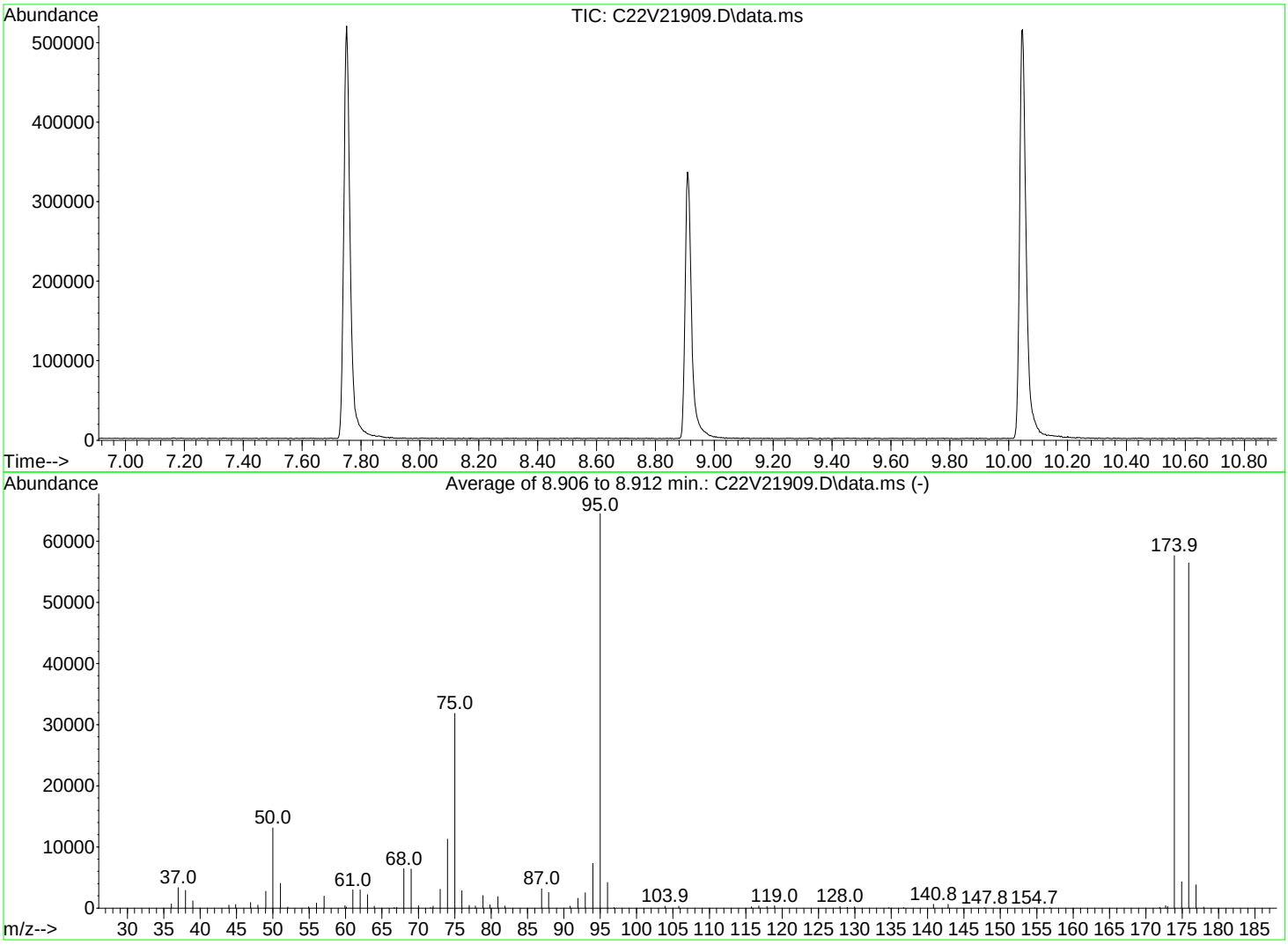
(#) = Out of Range

Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21909.D
Acq On : 8 Aug 2022 10:18 am
Operator :
Sample : BFB Inst : GCMSVOA3
Misc :
ALS Vial : 9 Sample Multiplier: 1



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 Inst : GCMSVOA3
Misc :
ALS Vial : 10 Sample Multiplier: 1

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-AMYLMETHYL 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 Inst : GCMSVOA3
Misc :
ALS Vial : 10 Sample Multiplier: 1



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

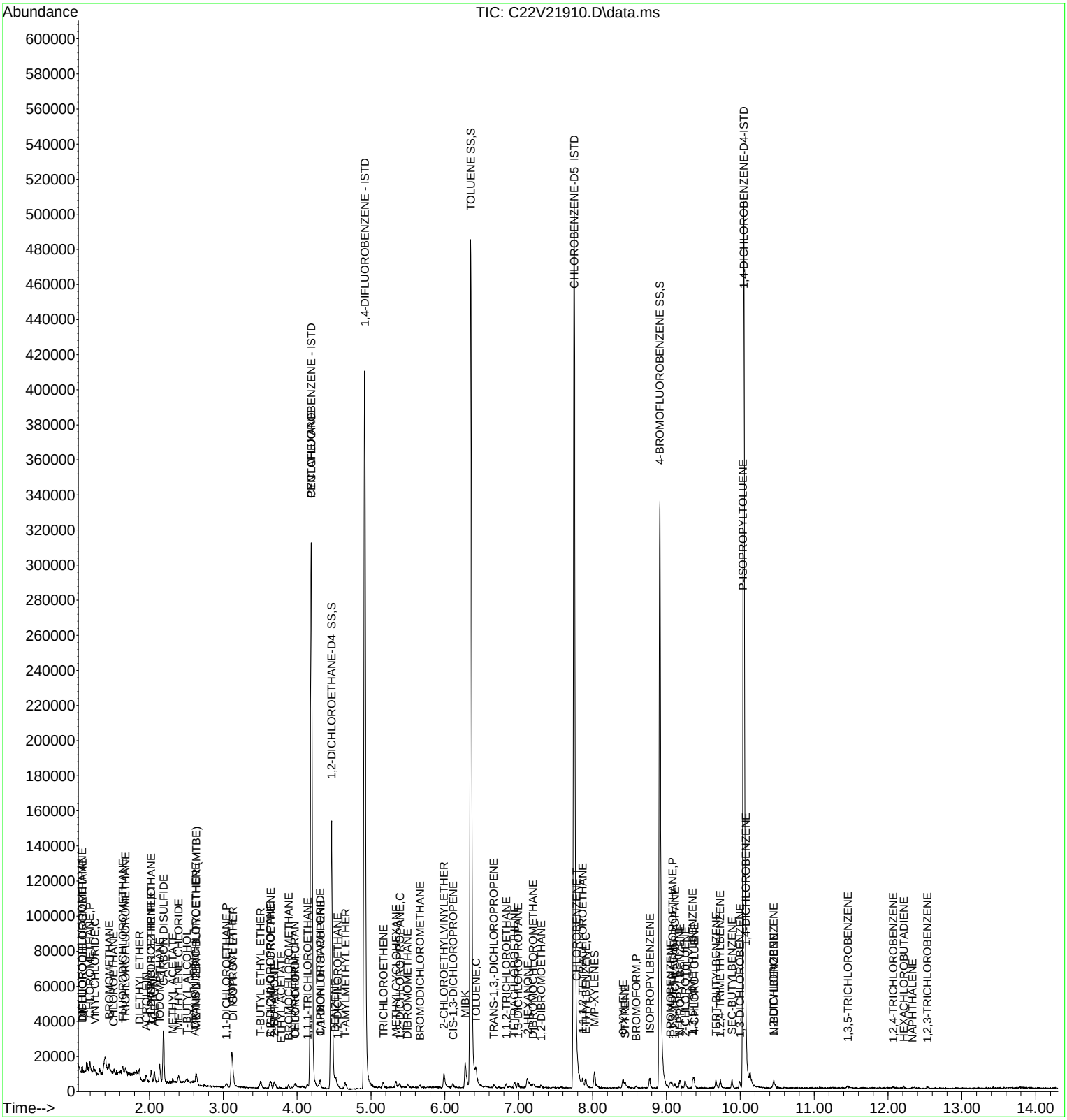
| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 57) | BROMODICHLOROMETHANE | 5.663 | 83 | 1131 | 0.31 | UG/L | # | 95 |
| 58) | 2-CHLOROETHYLVINYLETHER | 5.987 | 63 | 3813m | 2.56 | UG/L | | |
| 59) | MIBK | 6.277 | 43 | 13328m | 2.96 | UG/L | | |
| 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) | 0-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-CHLOROT0LUENE | 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

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 Inst : GCMSVOA3
Misc :
ALS Vial : 10 Sample Multiplier: 1



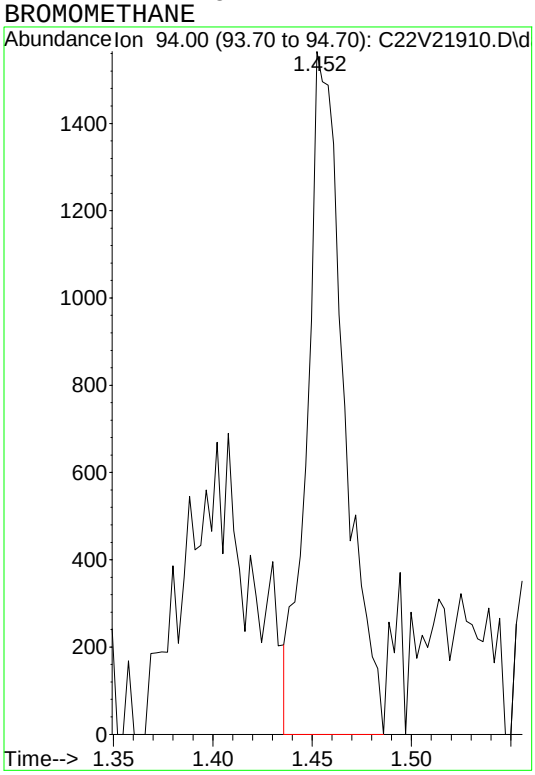
Quant Time: Aug 08 12:14:45 2022
Quant Method : C:\msdchem\1\methods\C051619.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
QLast Update : Mon Aug 08 11:15:01 2022
Response via : Initial Calibration



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
---

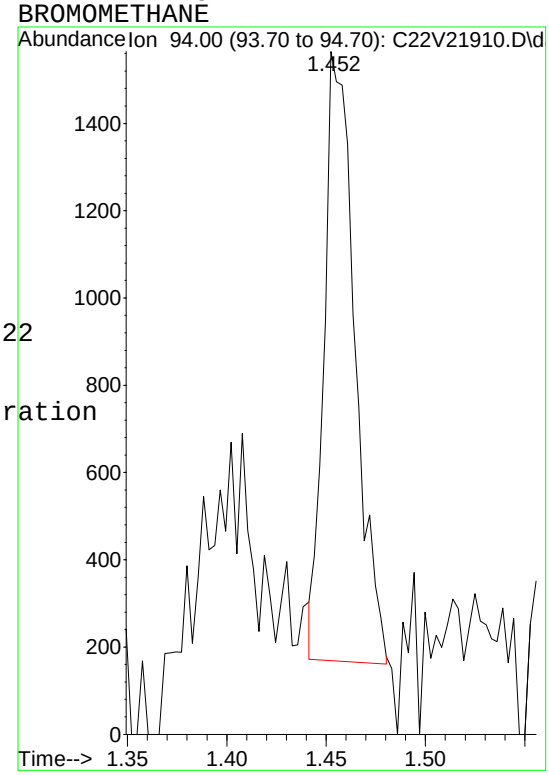
RT : 1.45
Area : 2018
Amount: 1.09191

Manual Int. Results
---

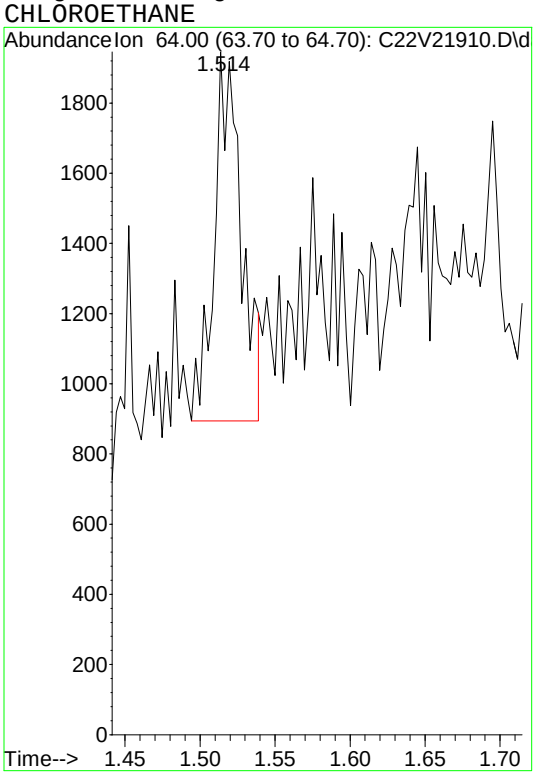
Mon Aug 08 12:12:02 2022

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

Manual Integration
BROMOMETHANE




Original Integration
CHLOROETHANE




Original Int. Results
---

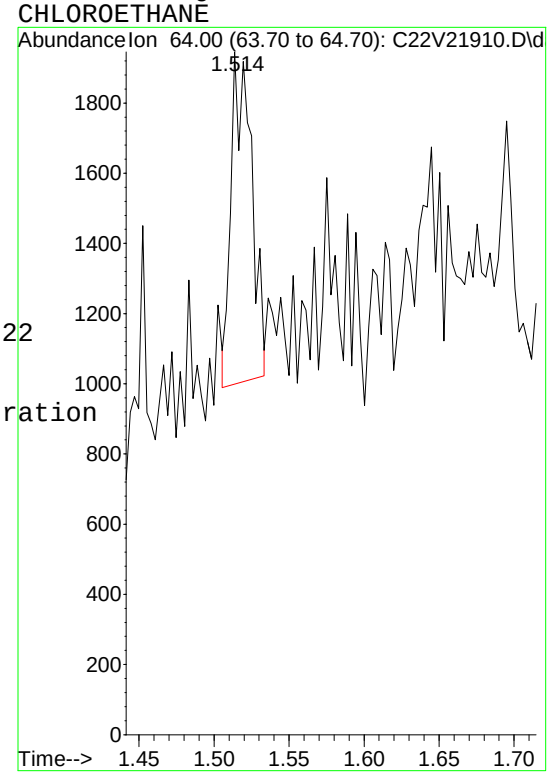
RT : 1.51
Area : 1315
Amount: 0.703036

Manual Int. Results
---

Mon Aug 08 12:12:10 2022

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

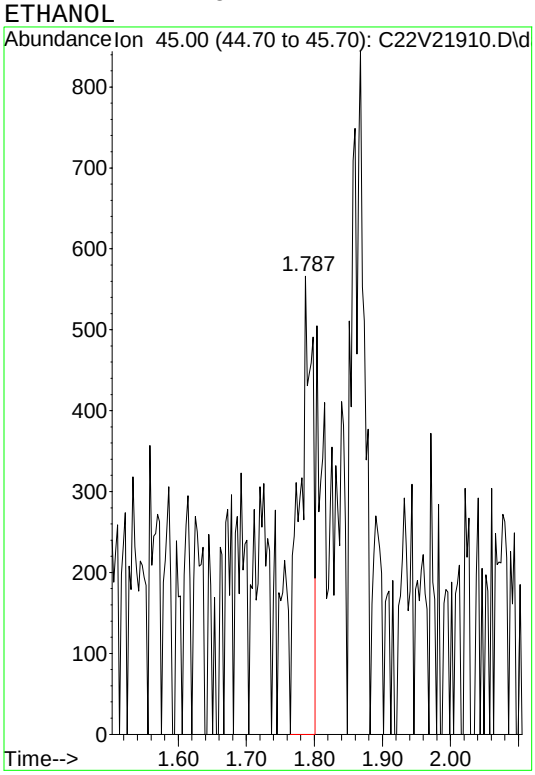
Manual Integration
CHLOROETHANE



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




Original Int. Results
---

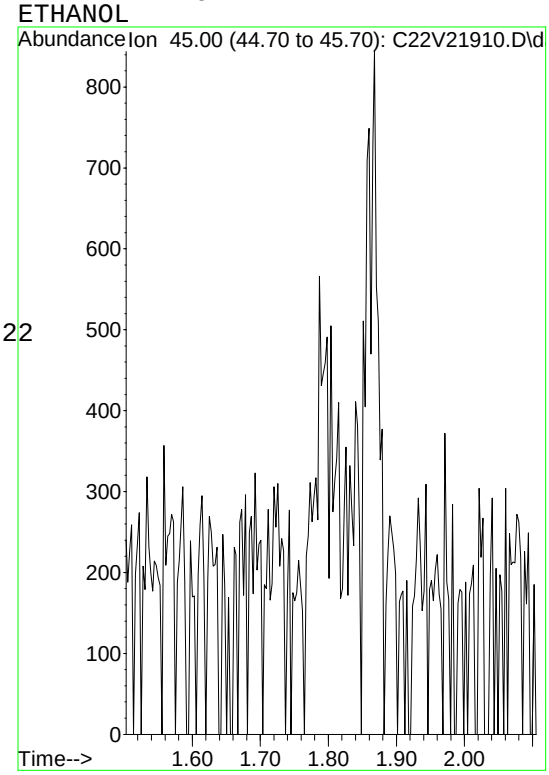
RT : 1.79
Area : 753
Amount: 11.3455

Manual Int. Results
---

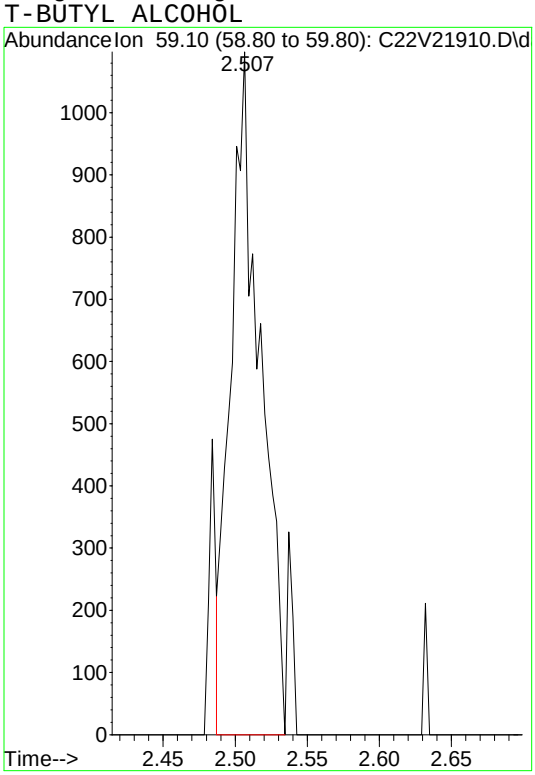
Mon Aug 08 12:12:15 2022

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

Manual Integration
ETHANOL




Original Integration
T-BUTYL ALCOHOL




Original Int. Results
---

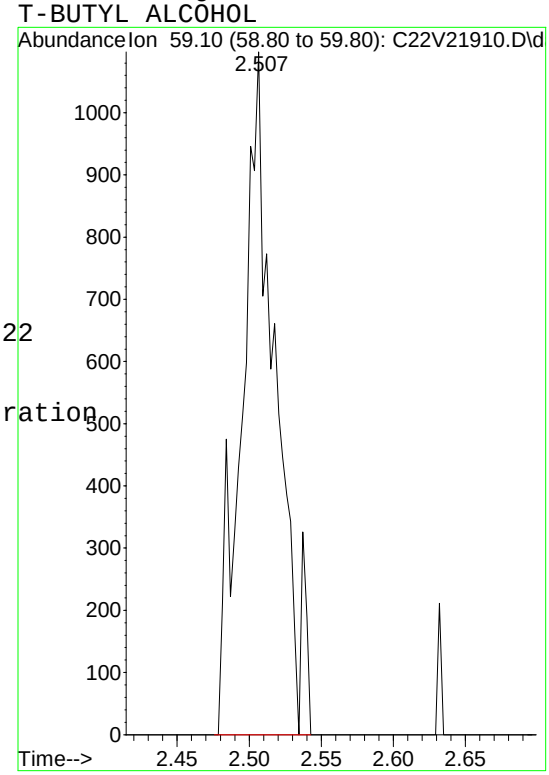
RT : 2.51
Area : 1572
Amount: 3.34549

Manual Int. Results
---

Mon Aug 08 12:12:29 2022

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

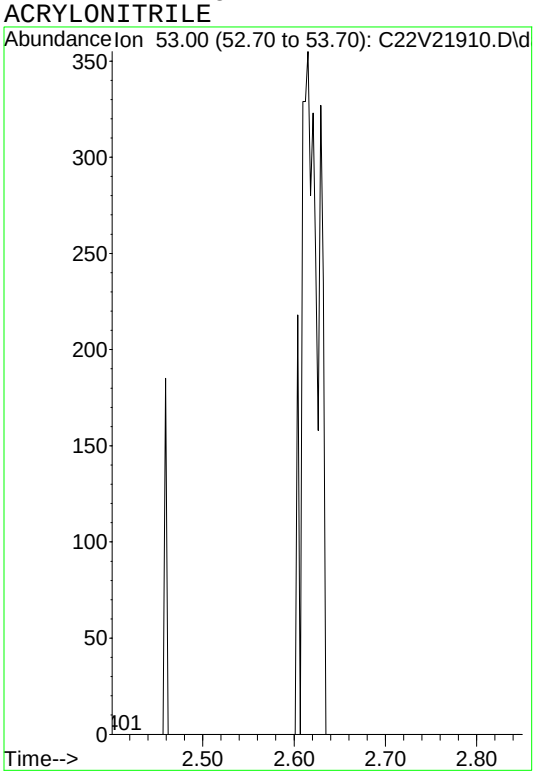
Manual Integration
T-BUTYL ALCOHOL



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




Original Int. Results
---

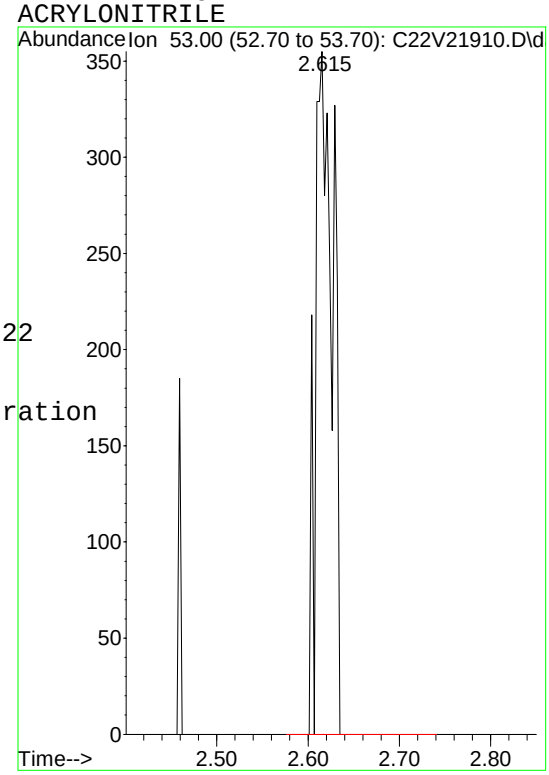
RT : 0.00
Area : 0
Amount: 0

Manual Int. Results
---

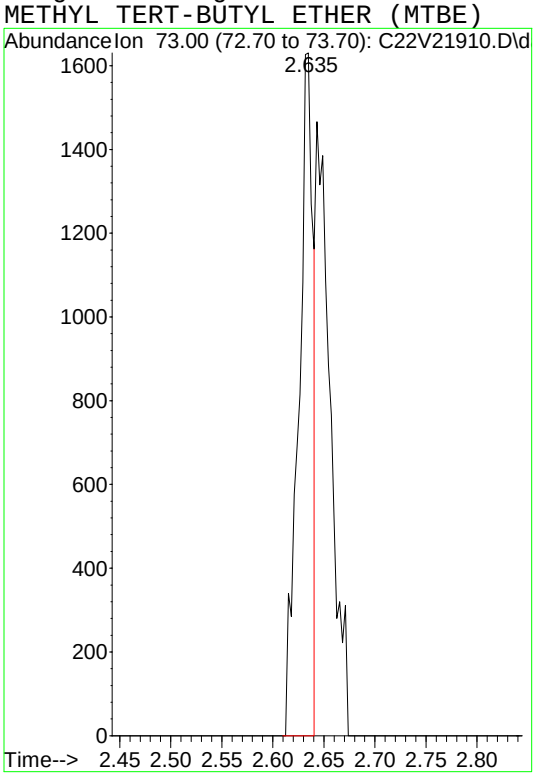
Mon Aug 08 12:12:31 2022

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

Manual Integration
ACRYLONITRILE




Original Integration
METHYL TERT-BUTYL ETHER (MTBE)




Original Int. Results
---

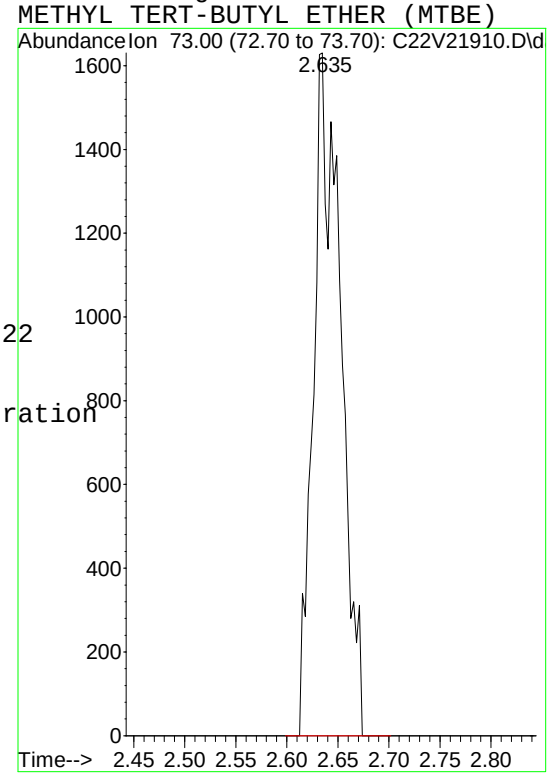
RT : 2.63
Area : 1586
Amount: 0.186439

Manual Int. Results
---

Mon Aug 08 12:12:35 2022

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

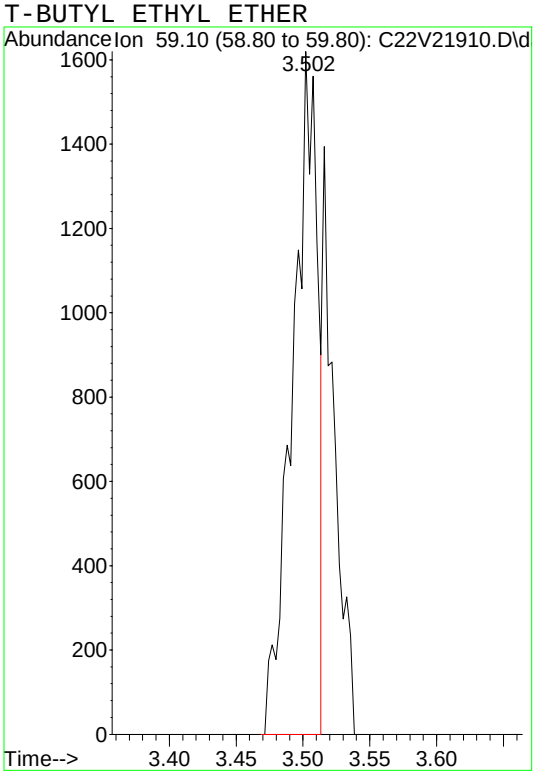
Manual Integration
METHYL TERT-BUTYL ETHER (MTBE)



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
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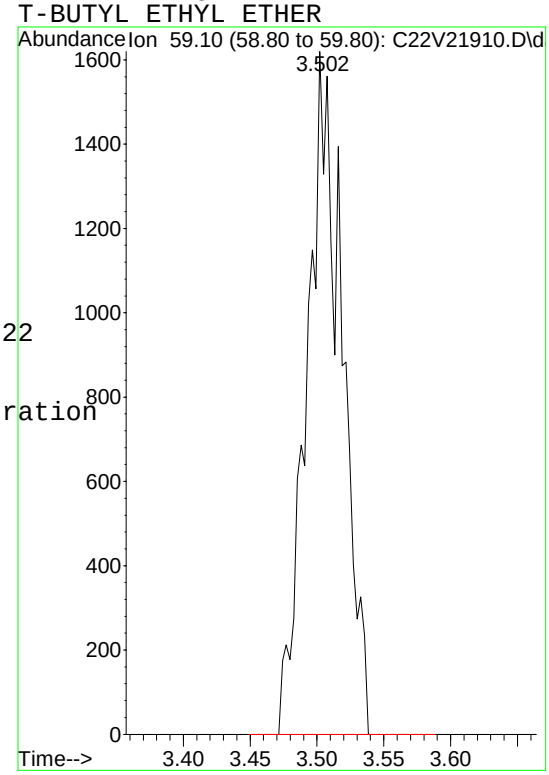
RT : 3.50
Area : 2103
Amount: 0.223231

Manual Int. Results
---

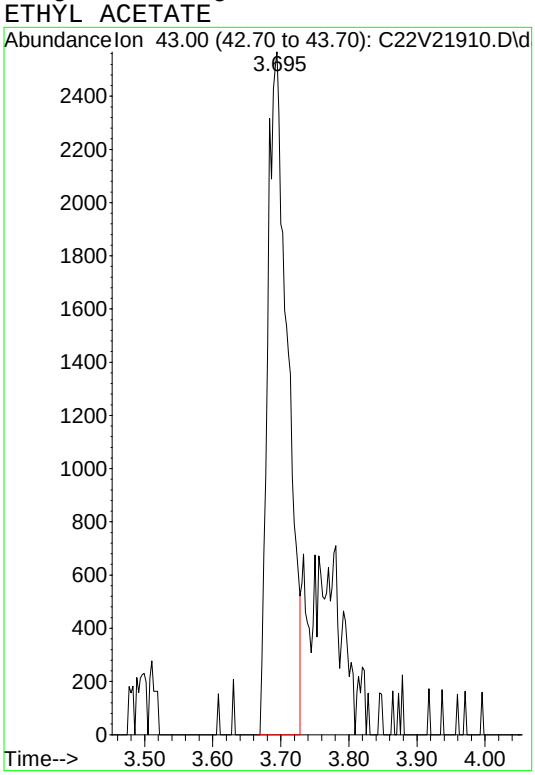
Mon Aug 08 12:12:44 2022

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

Manual Integration
T-BUTYL ETHYL ETHER




Original Integration
ETHYL ACETATE




Original Int. Results
---

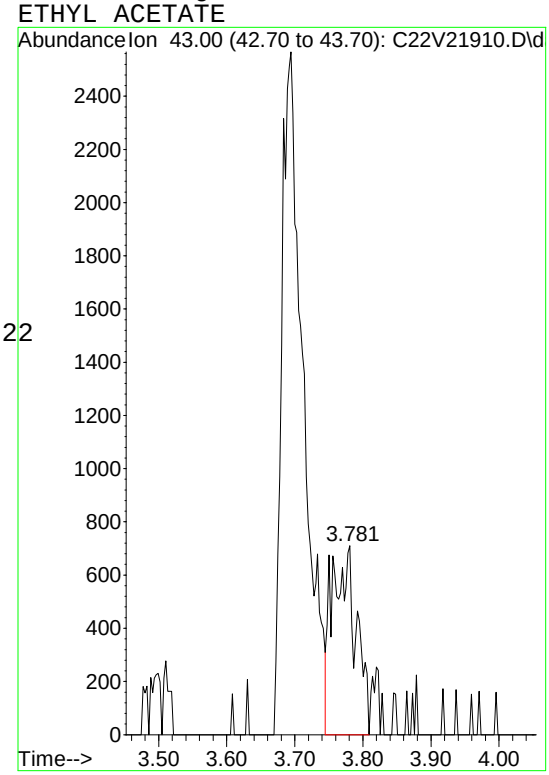
RT : 3.69
Area : 5184
Amount: 1.17002

Manual Int. Results
---

Mon Aug 08 12:12:59 2022

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

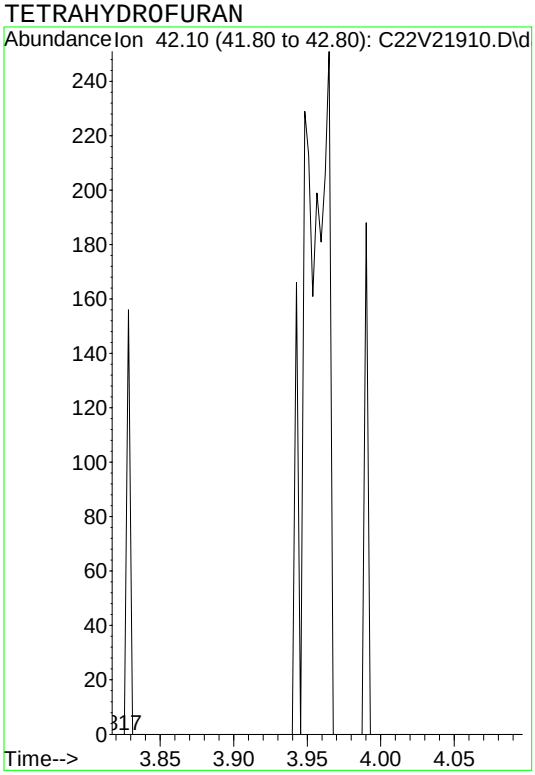
Manual Integration
ETHYL ACETATE



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




Original Int. Results
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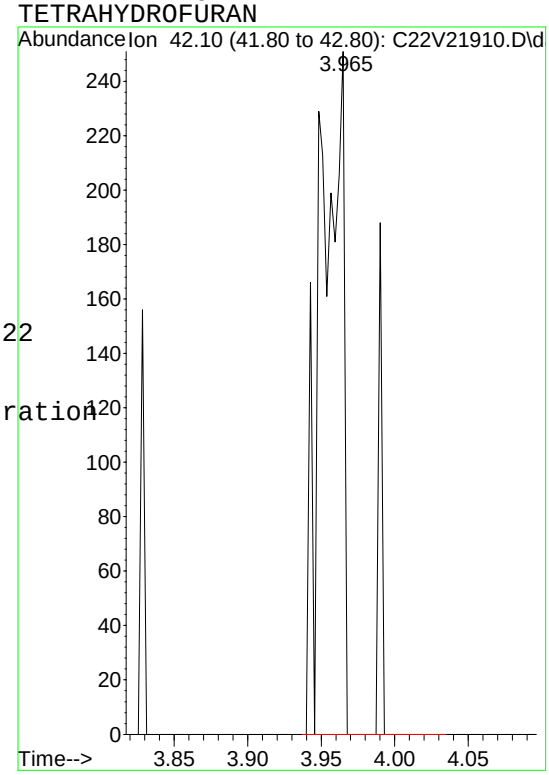
RT : 0.00
Area : 0
Amount: 0

Manual Int. Results
---

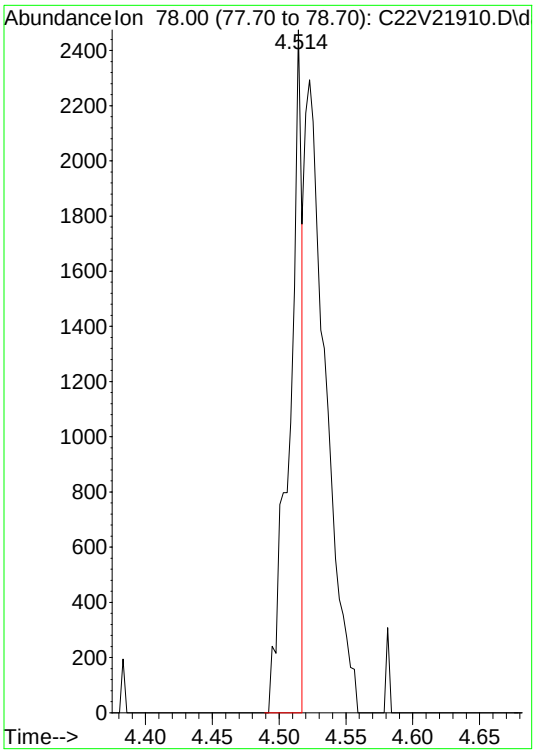
Mon Aug 08 12:13:05 2022

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

Manual Integration
TETRAHYDROFURAN




Original Integration
BENZENE




Original Int. Results
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RT : 4.51
Area : 1613
Amount: 0.143975

Manual Int. Results
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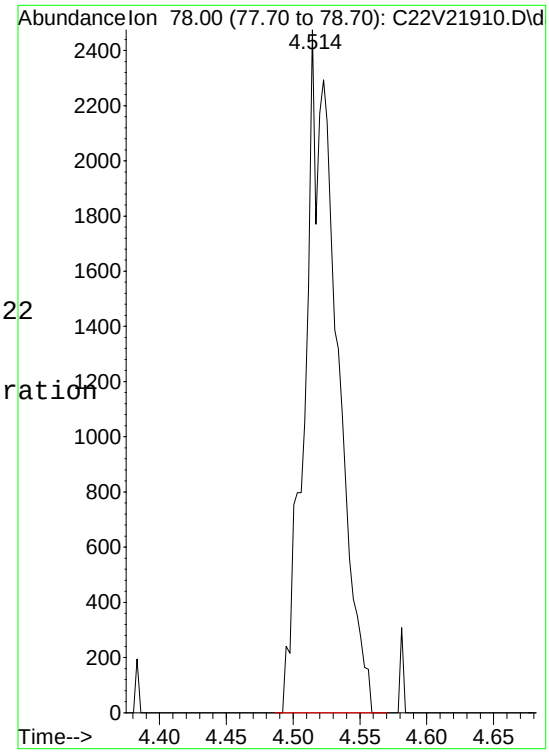
Mon Aug 08 12:13:11 2022

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

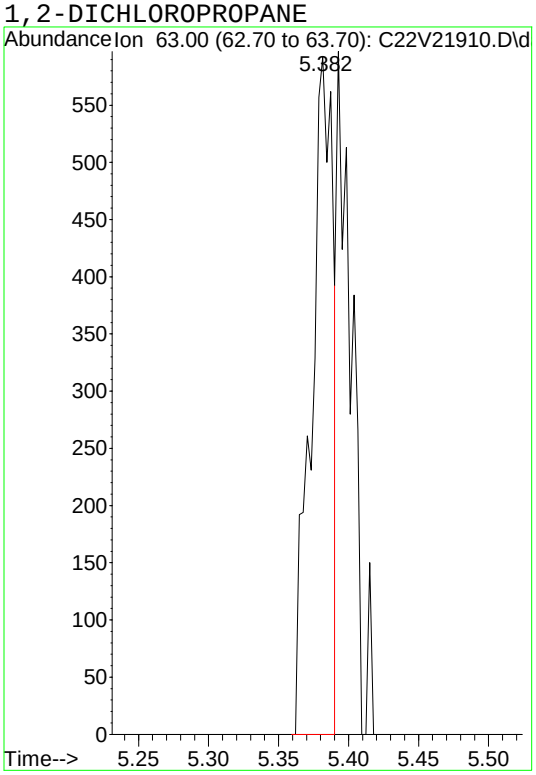
Manual Integration
BENZENE



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




Original Int. Results
---

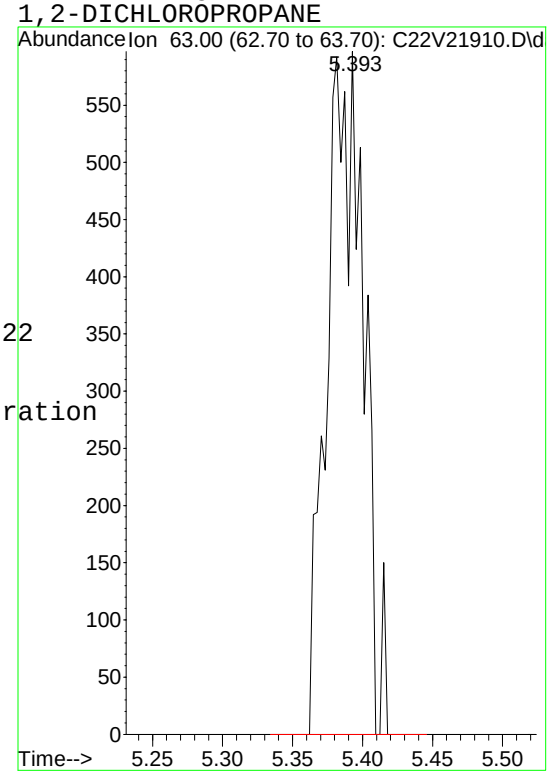
RT : 5.38
Area : 637
Amount: 0.208613

Manual Int. Results
---

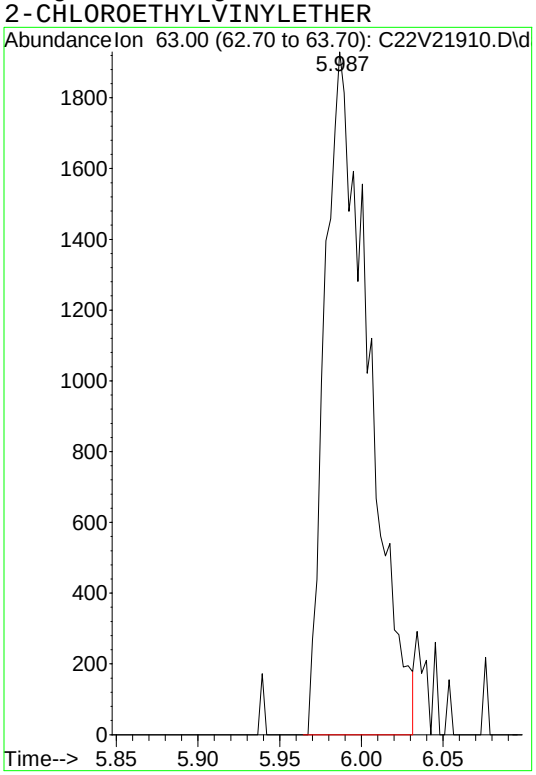
Mon Aug 08 12:13:17 2022

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

Manual Integration
1,2-DICHLOROPROPANE




Original Integration
2-CHLOROETHYLVINYLETHER




Original Int. Results
---

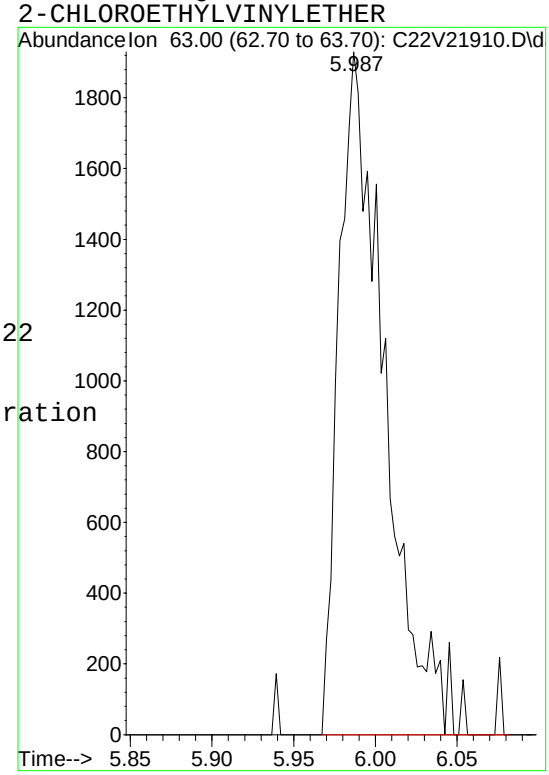
RT : 5.99
Area : 3594
Amount: 2.40983

Manual Int. Results
---

Mon Aug 08 12:13:26 2022

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

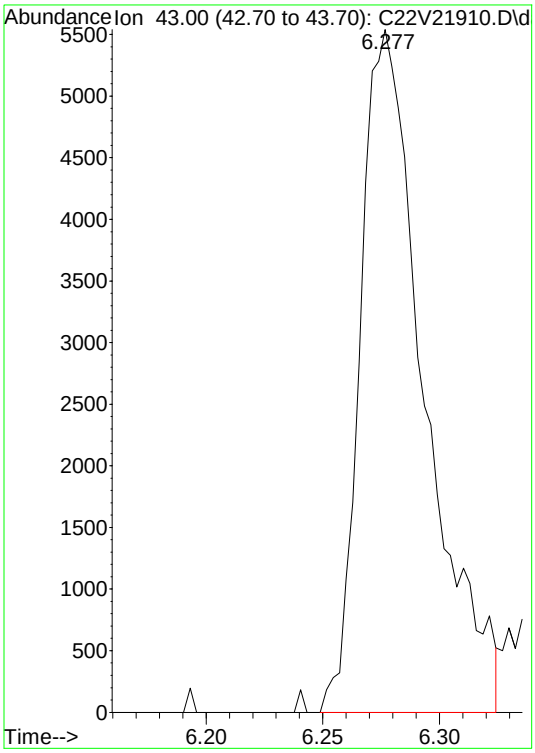
Manual Integration
2-CHLOROETHYLVINYLETHER



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
---

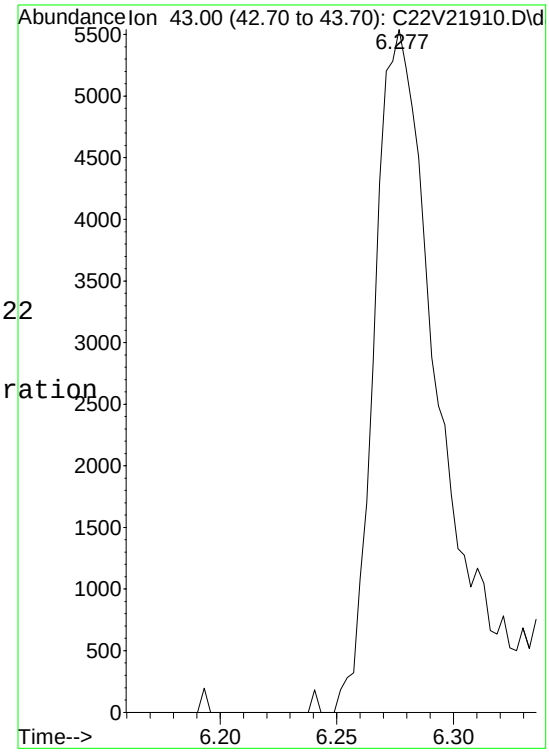
RT : 6.28
Area : 10540
Amount: 2.34447

Manual Int. Results
---

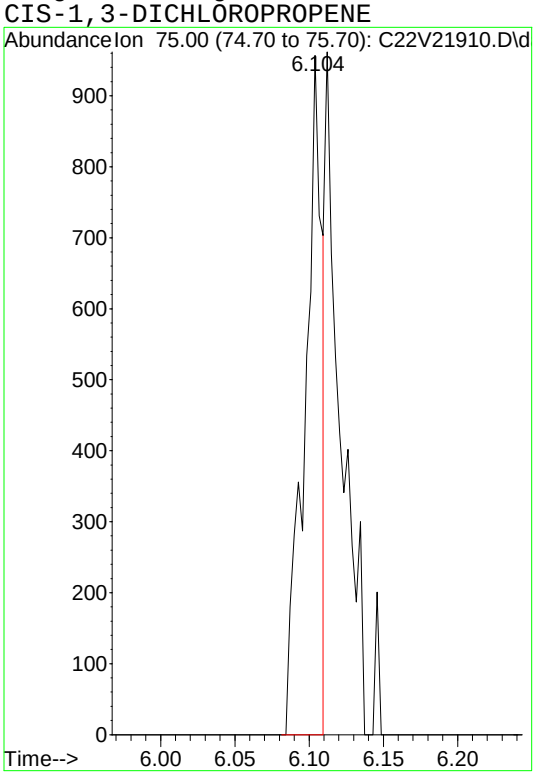
Mon Aug 08 12:13:31 2022

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

Manual Integration
MIBK




Original Integration
CIS-1,3-DICHLOROPROPENE




Original Int. Results
---

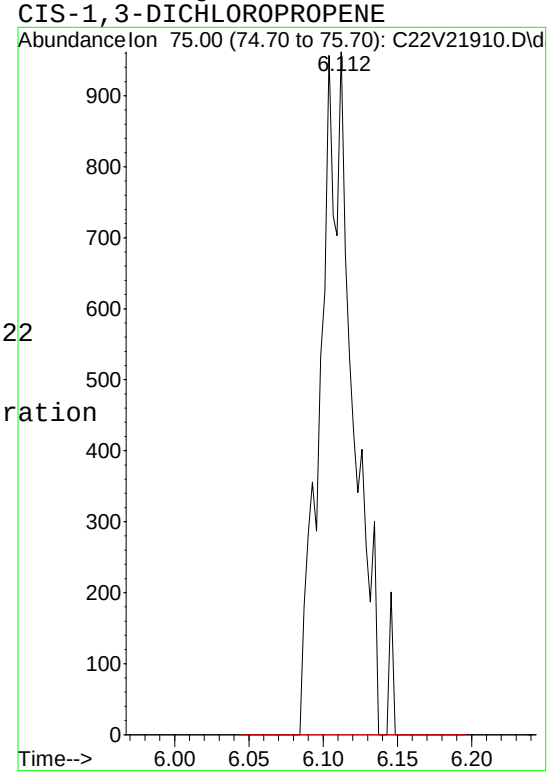
RT : 6.10
Area : 779
Amount: 0.167276

Manual Int. Results
---

Mon Aug 08 12:13:34 2022

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

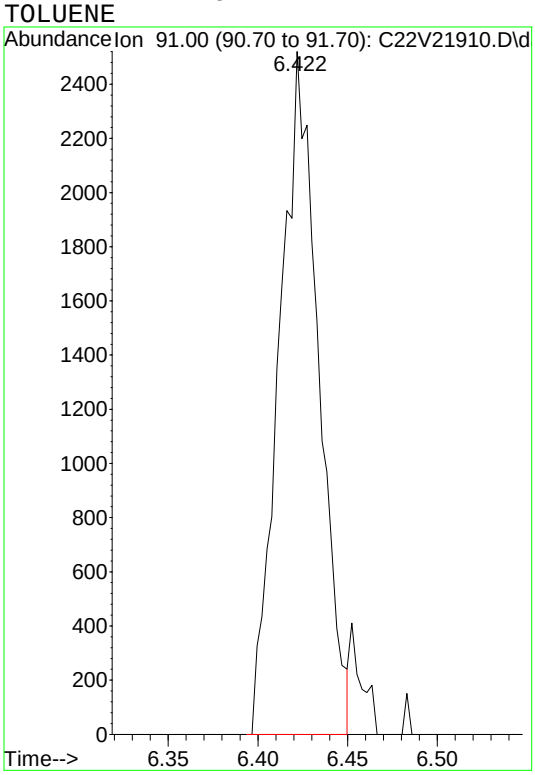
Manual Integration
CIS-1,3-DICHLOROPROPENE



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
---

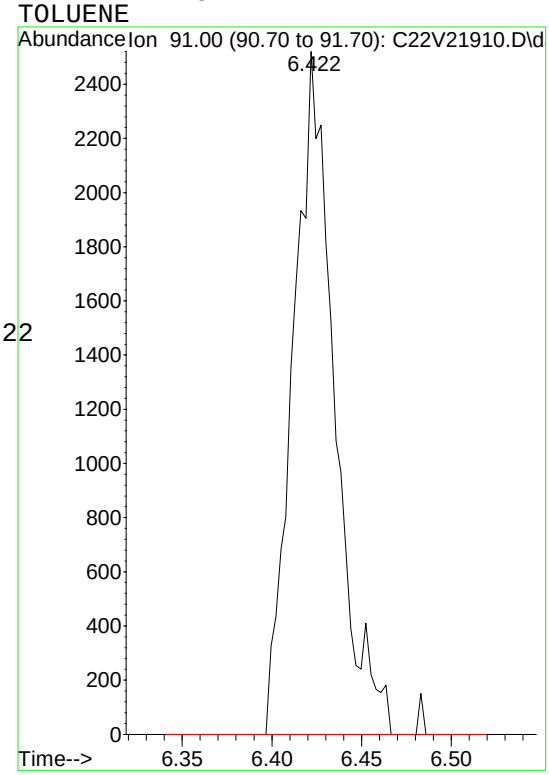
RT : 6.42
Area : 3854
Amount: 0.344261

Manual Int. Results
---

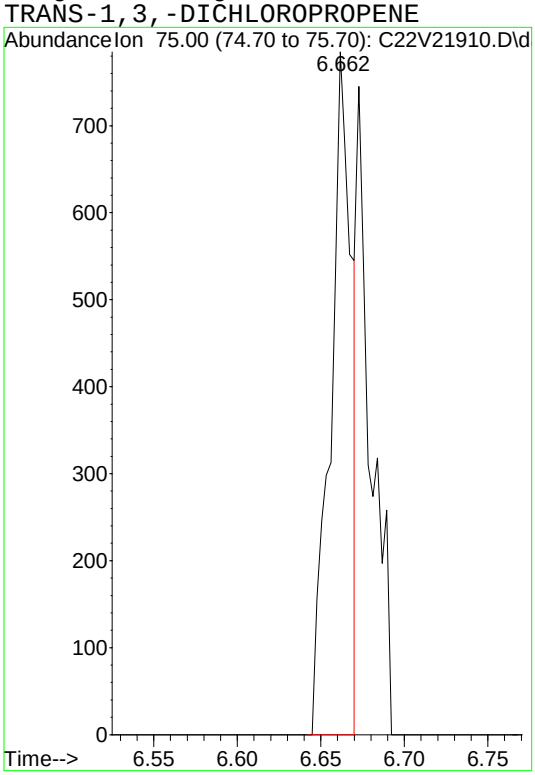
Mon Aug 08 12:13:36 2022

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

Manual Integration
TOLUENE




Original Integration
TRANS-1,3,-DICHLOROPROPENE




Original Int. Results
---

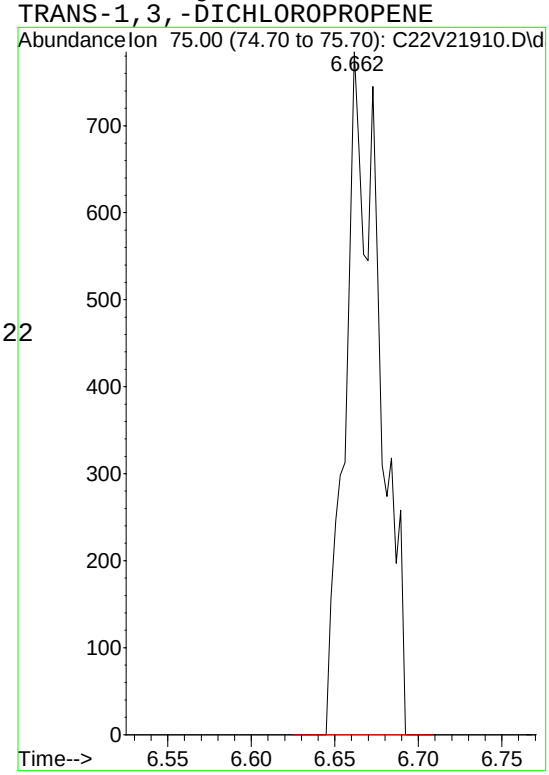
RT : 6.66
Area : 687
Amount: 0.163189

Manual Int. Results
---

Mon Aug 08 12:13:39 2022

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

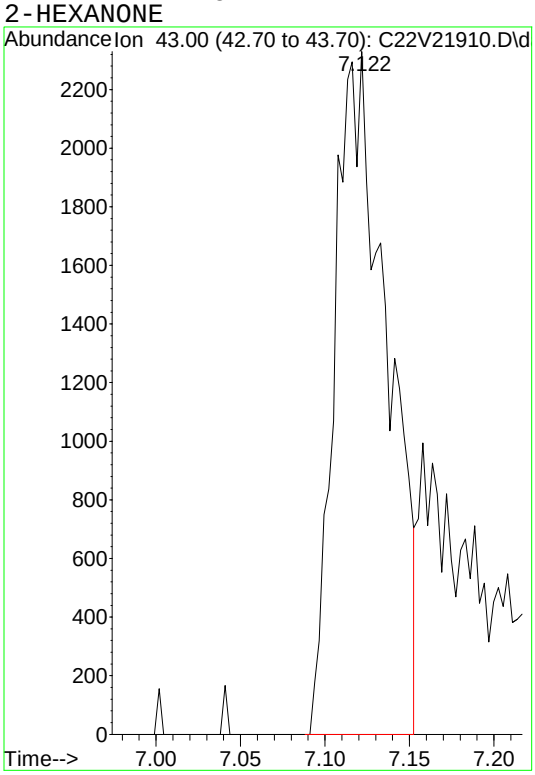
Manual Integration
TRANS-1,3,-DICHLOROPROPENE



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
---

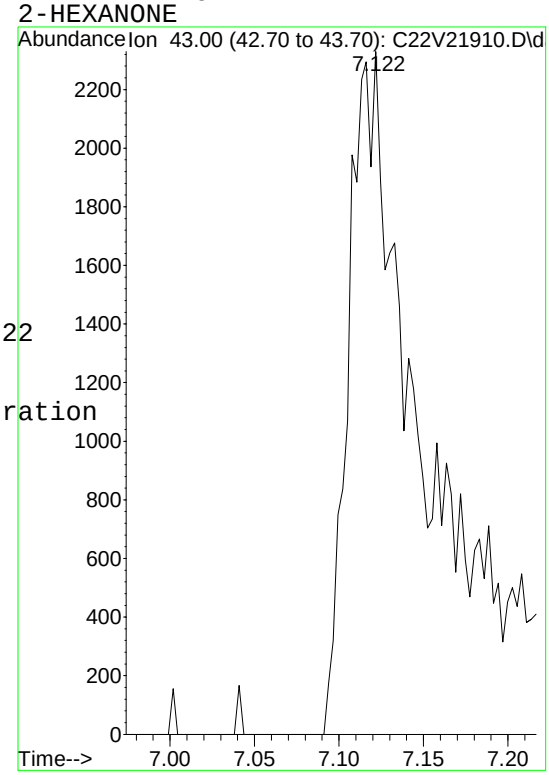
RT : 7.12
Area : 5047
Amount: 1.56305

Manual Int. Results
---

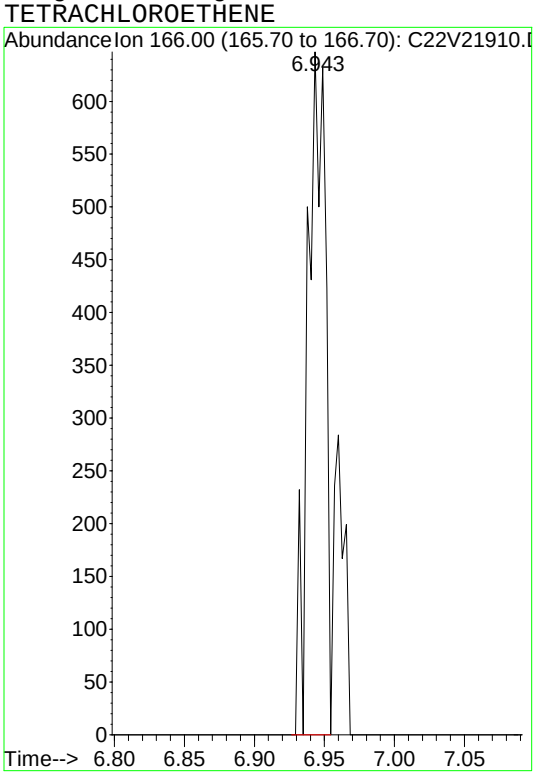
Mon Aug 08 12:13:46 2022

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

Manual Integration
2-HEXANONE




Original Integration
TETRACHLOROETHENE




Original Int. Results
---

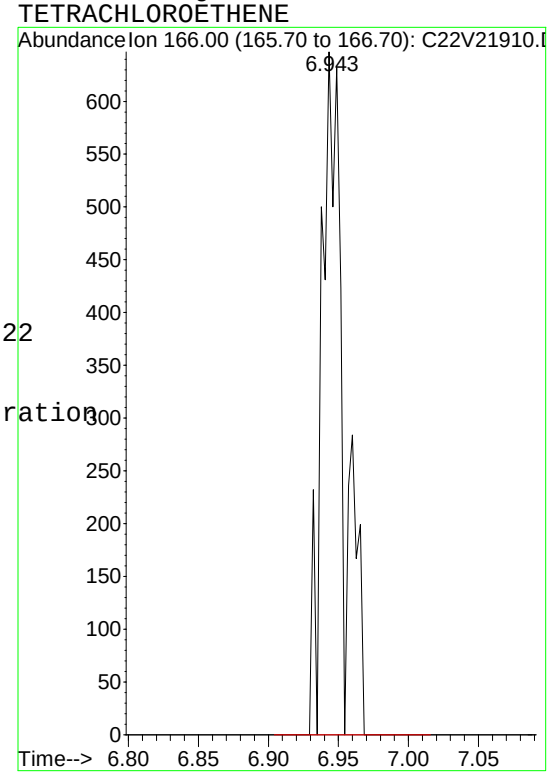
RT : 6.94
Area : 563
Amount: 0.217238

Manual Int. Results
---

Mon Aug 08 12:13:49 2022

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

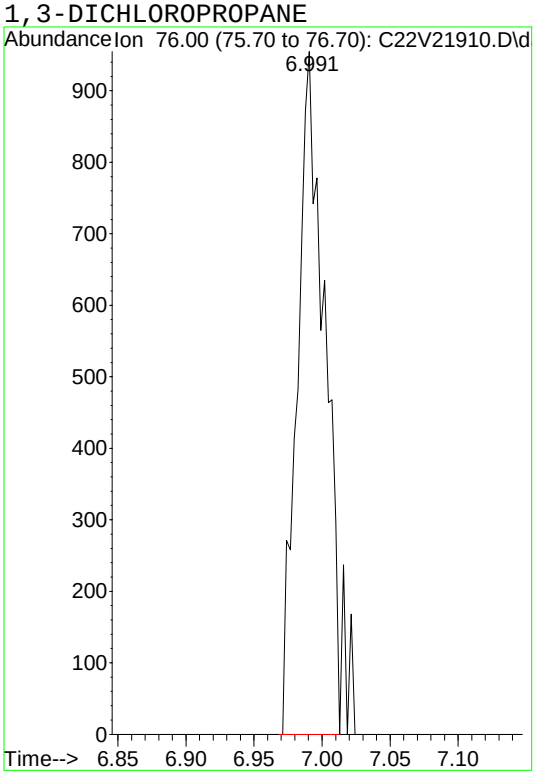
Manual Integration
TETRACHLOROETHENE



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




Original Int. Results
---

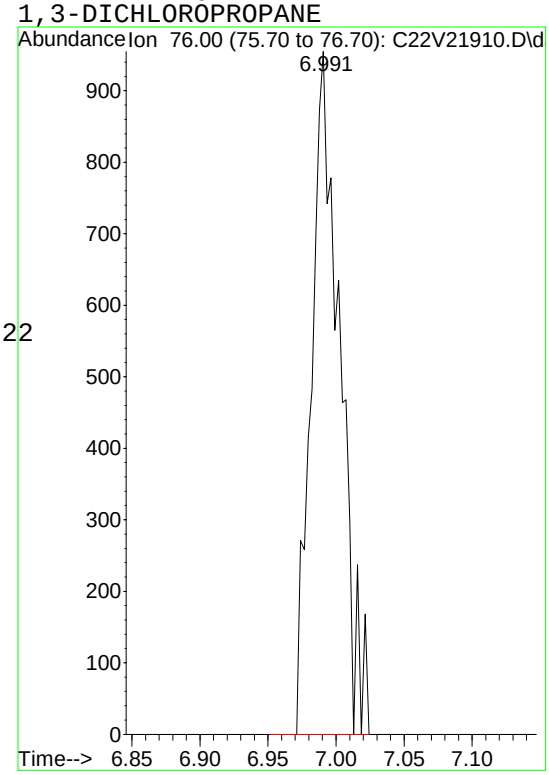
RT : 6.99
Area : 1322
Amount: 0.269115

Manual Int. Results
---

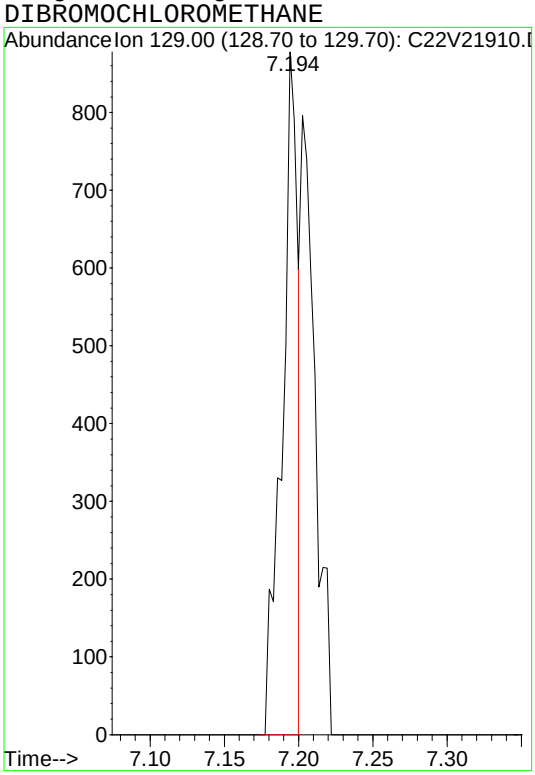
Mon Aug 08 12:13:51 2022

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

Manual Integration
1,3-DICHLOROPROPANE




Original Integration
DIBROMOCHLOROMETHANE




Original Int. Results
---

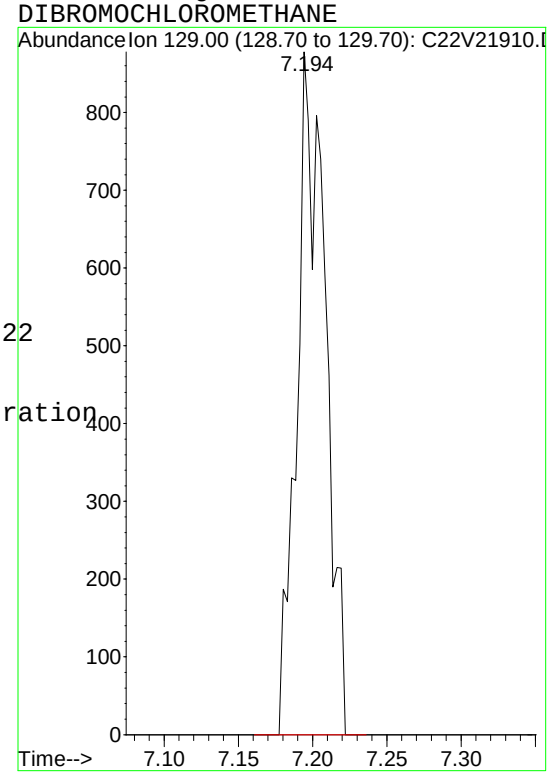
RT : 7.19
Area : 633
Amount: 0.208798

Manual Int. Results
---

Mon Aug 08 12:13:54 2022

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

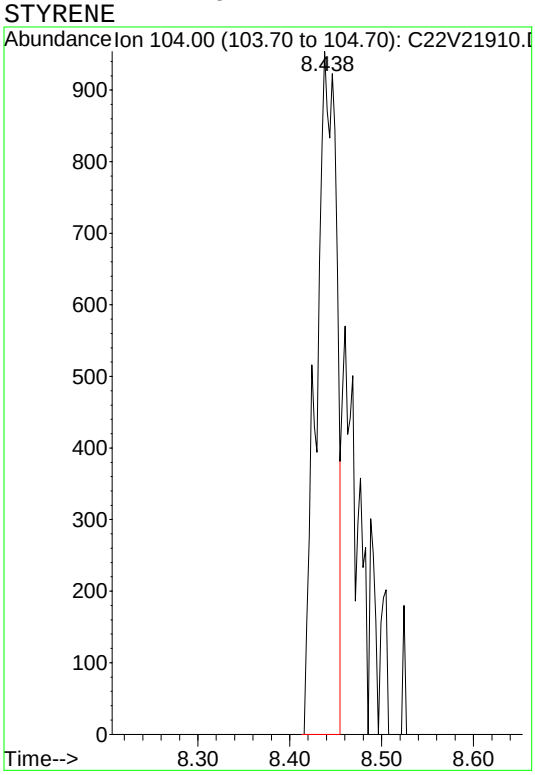
Manual Integration
DIBROMOCHLOROMETHANE



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




Original Int. Results
---

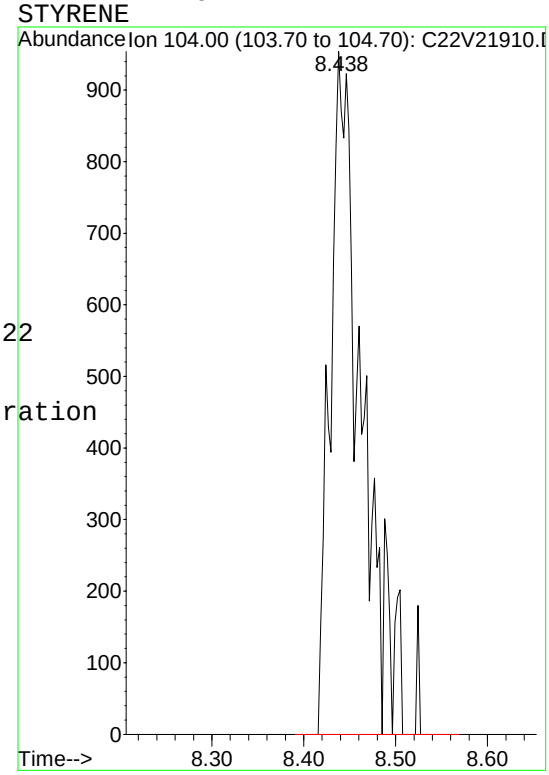
RT : 8.44
Area : 1458
Amount: 0.192486

Manual Int. Results
---

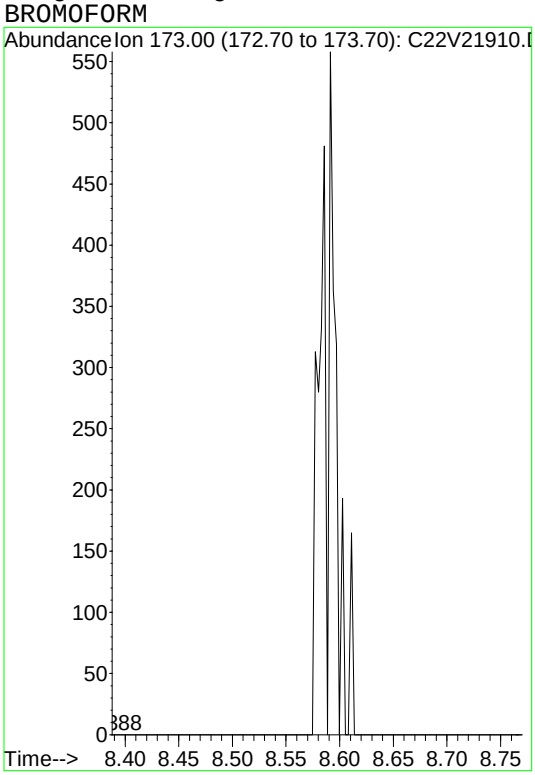
Mon Aug 08 12:14:02 2022

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

Manual Integration
STYRENE




Original Integration
BROMOFORM




Original Int. Results
---

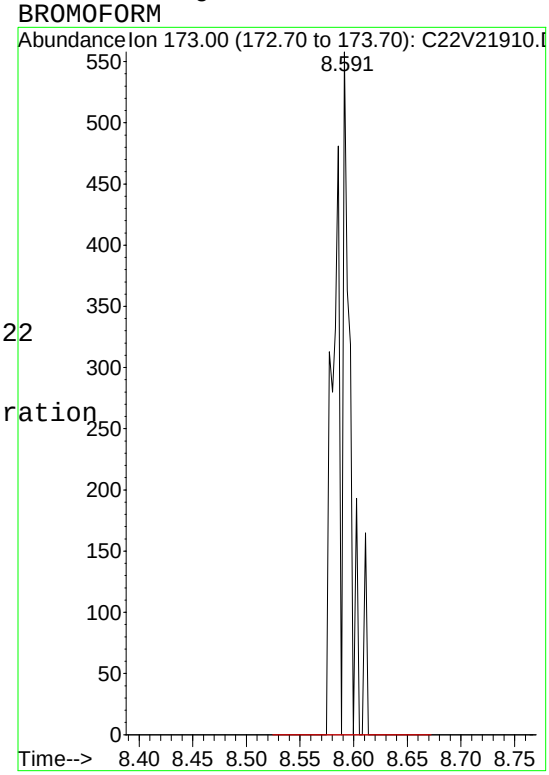
RT : 0.00
Area : 0
Amount: 0

Manual Int. Results
---

Mon Aug 08 12:14:05 2022

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

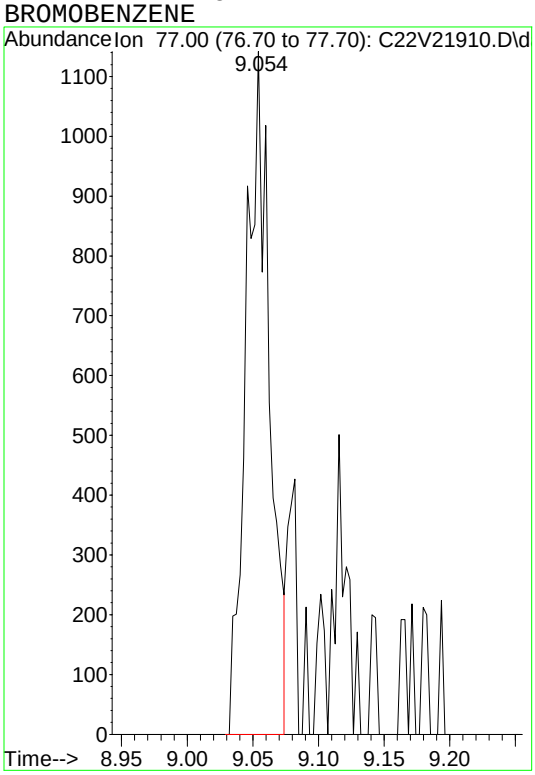
Manual Integration
BROMOFORM



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
---

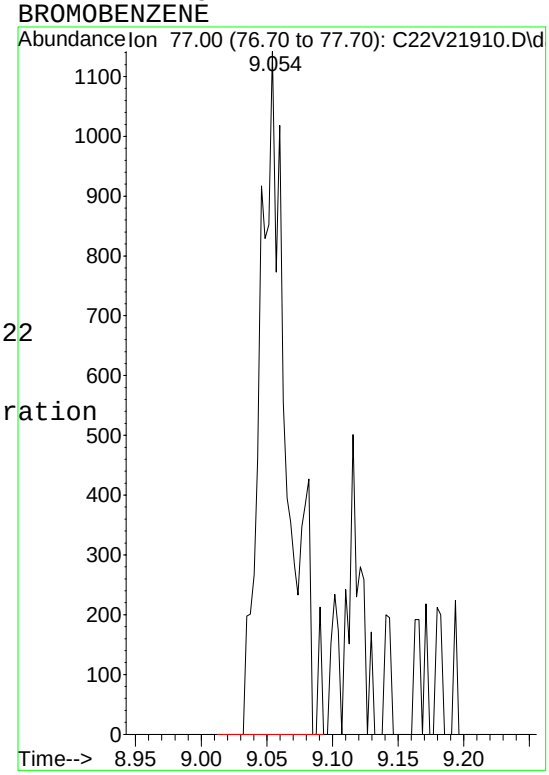
RT : 9.05
Area : 1419
Amount: 0.284194

Manual Int. Results
---

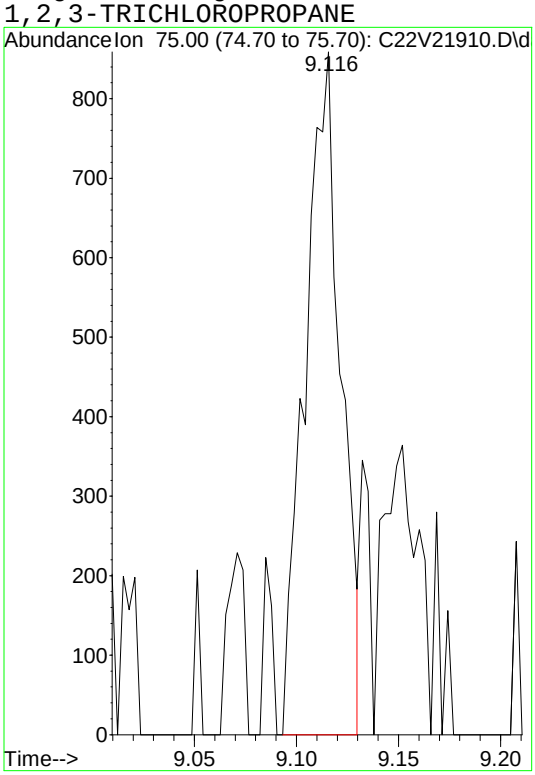
Mon Aug 08 12:14:11 2022

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

Manual Integration
BROMOBENZENE




Original Integration
1,2,3-TRICHLOROPROPANE




Original Int. Results
---

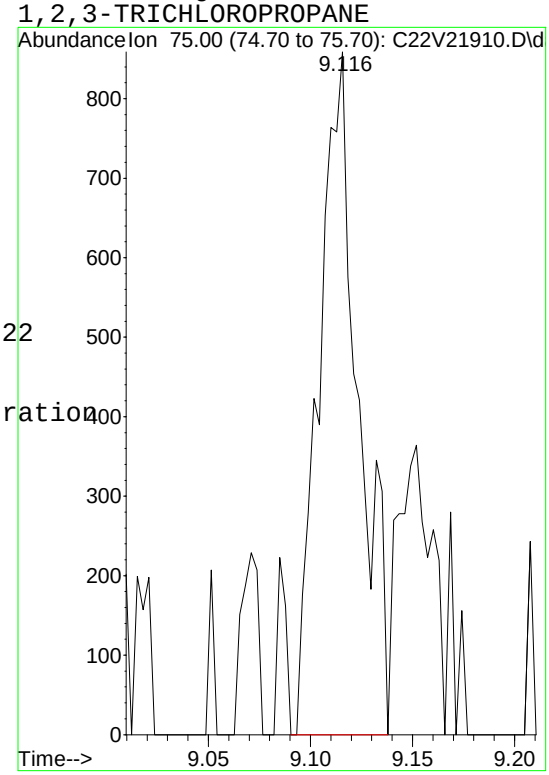
RT : 9.12
Area : 1043
Amount: 0.301014

Manual Int. Results
---

Mon Aug 08 12:14:18 2022

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

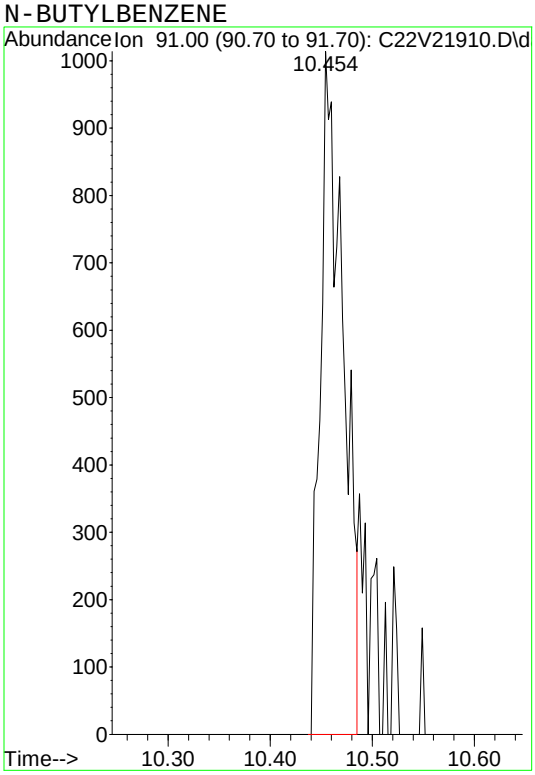
Manual Integration
1,2,3-TRICHLOROPROPANE



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
---

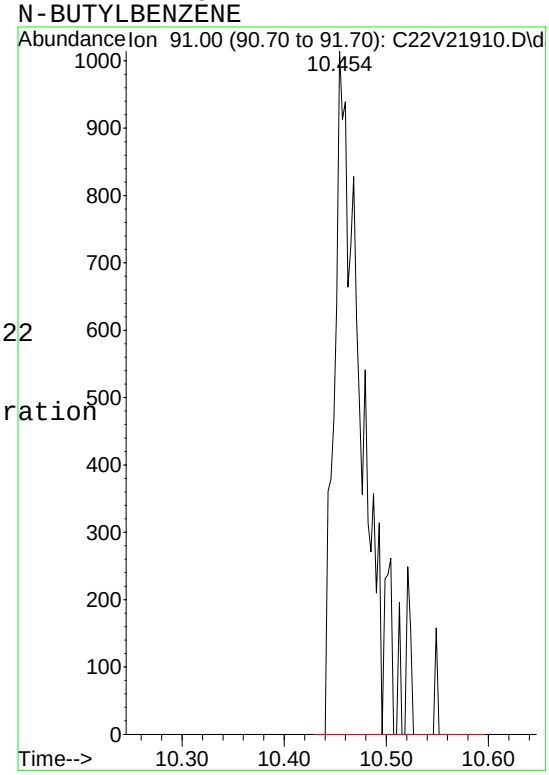
RT : 10.45
Area : 1592
Amount: 0.201569

Manual Int. Results
---

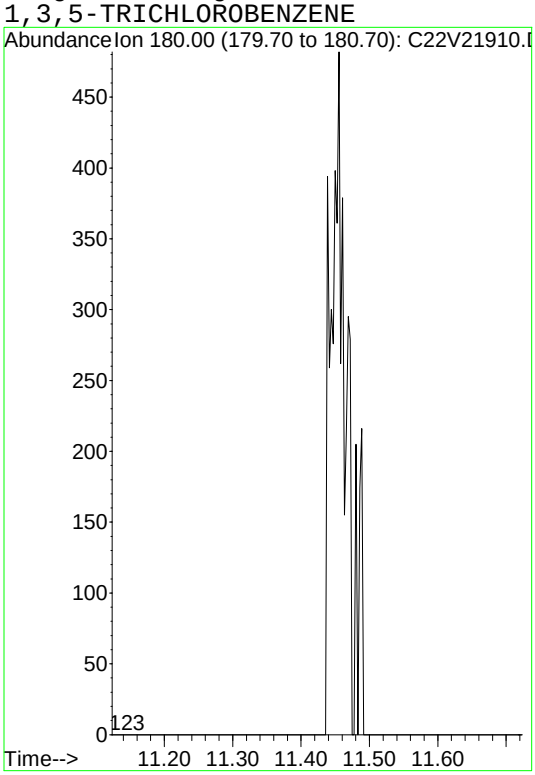
Mon Aug 08 12:14:31 2022

MIuser: EEH
Reason: Incorret Integration
RT : 10.45
Area : 1989
Amount: 0.251835

Manual Integration
N-BUTYLBENZENE




Original Integration
1,3,5-TRICHLOROBENZENE




Original Int. Results
---

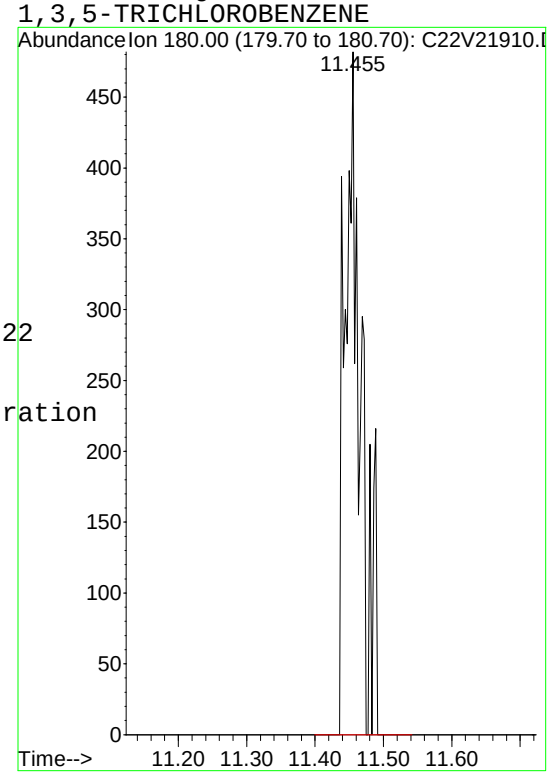
RT : 0.00
Area : 0
Amount: 0

Manual Int. Results
---

Mon Aug 08 12:14:35 2022

MIuser: EEH
Reason: Incorret Integration
RT : 11.46
Area : 778
Amount: 0.213545

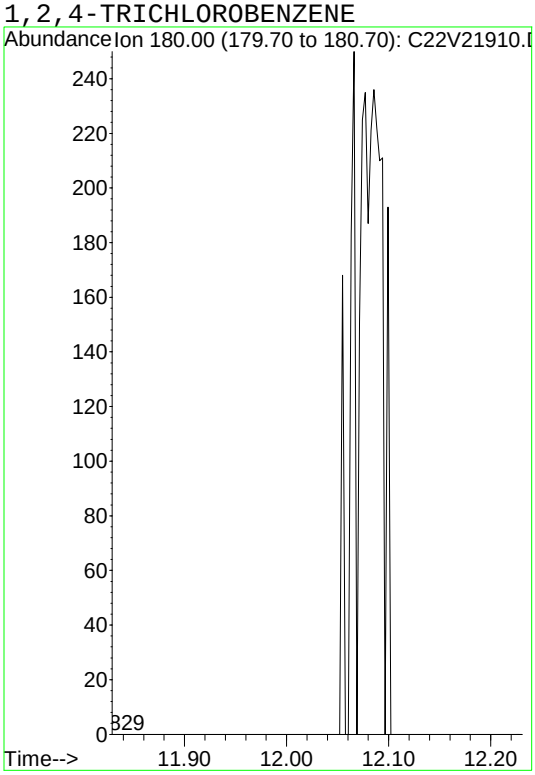
Manual Integration
1,3,5-TRICHLOROBENZENE



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




Original Int. Results
---

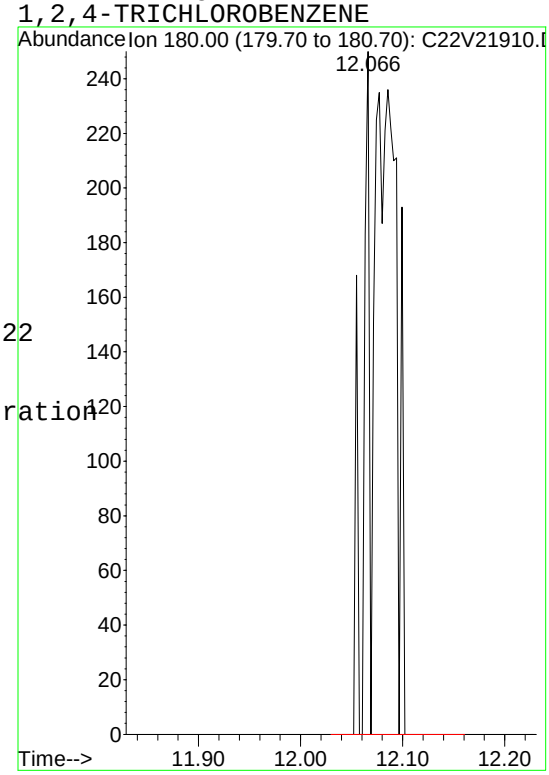
RT : 0.00
Area : 0
Amount: 0

Manual Int. Results
---

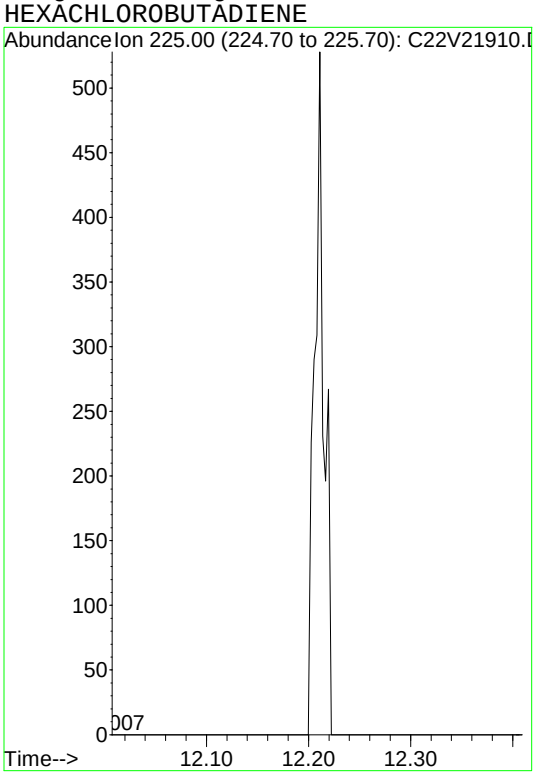
Mon Aug 08 12:14:37 2022

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

Manual Integration
1,2,4-TRICHLOROBENZENE




Original Integration
HEXACHLOROBUTADIENE




Original Int. Results
---

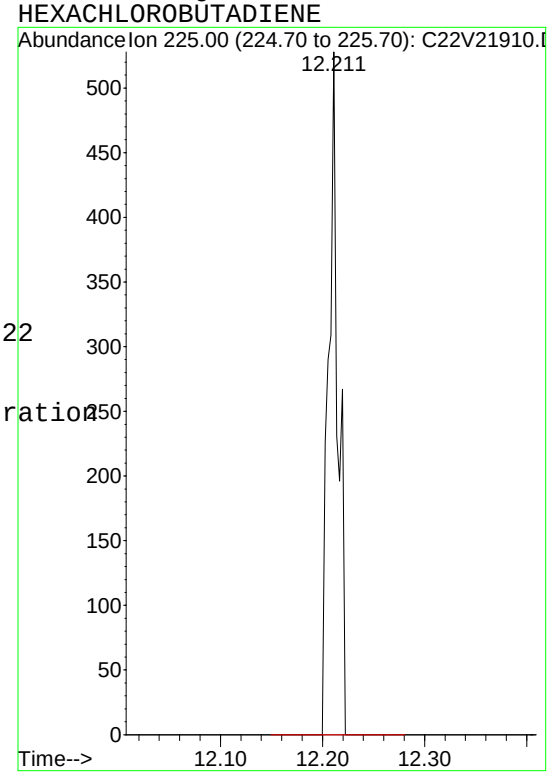
RT : 0.00
Area : 0
Amount: 0

Manual Int. Results
---

Mon Aug 08 12:14:40 2022

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

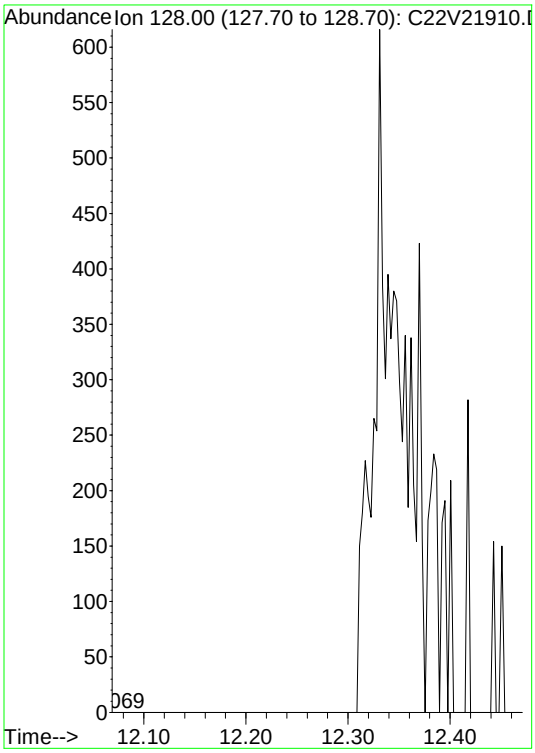
Manual Integration
HEXACHLOROBUTADIENE



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




Original Int. Results
---

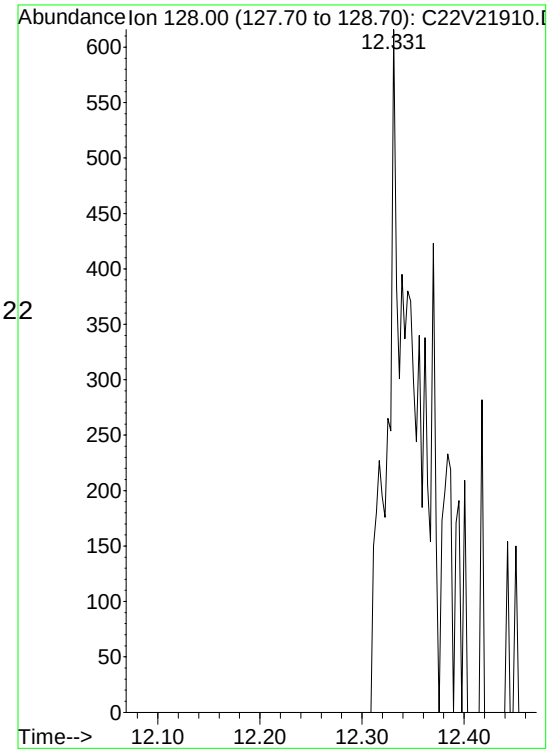
RT : 0.00
Area : 0
Amount: 0

Manual Int. Results
---

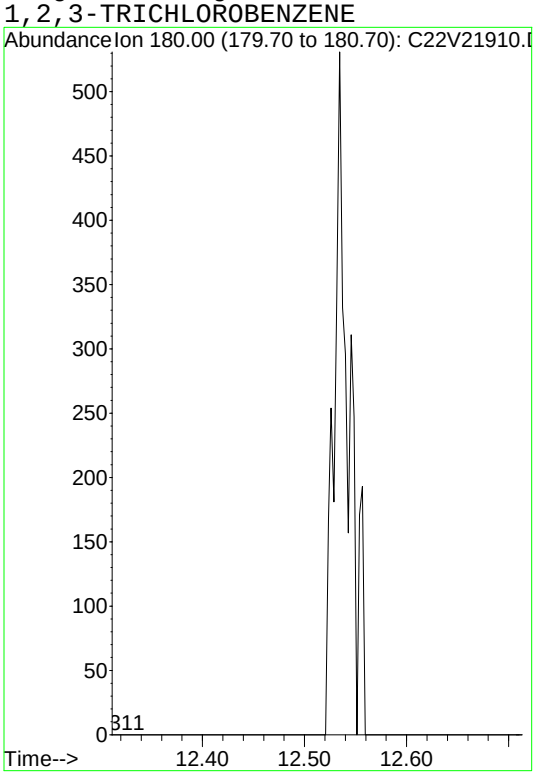
Mon Aug 08 12:14:43 2022

MIuser: EEH
Reason: Other
RT : 12.33
Area : 1432
Amount: 0.139595

Manual Integration
NAPHTHALENE




Original Integration
1,2,3-TRICHLOROBENZENE




Original Int. Results
---

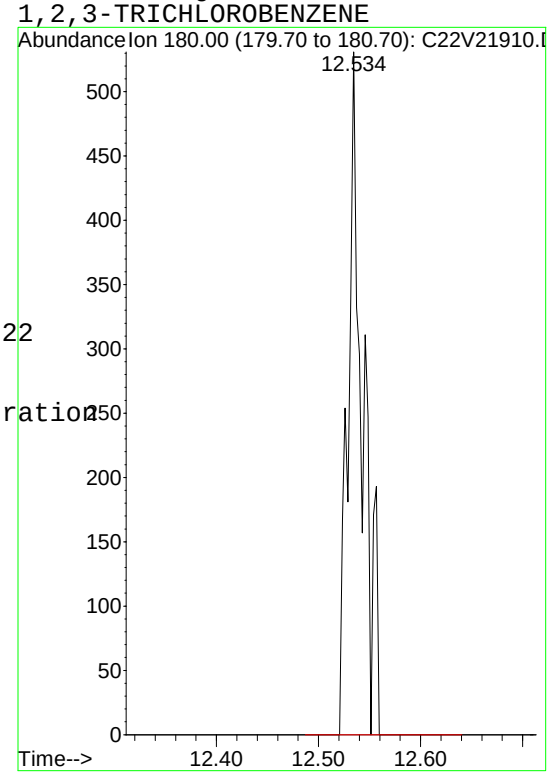
RT : 0.00
Area : 0
Amount: 0

Manual Int. Results
---

Mon Aug 08 12:14:45 2022

MIuser: EEH
Reason: Incorret Integration
RT : 12.53
Area : 532
Amount: 0.156079

Manual Integration
1,2,3-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 Inst : GCMSVOA3
Misc :
ALS Vial : 11 Sample Multiplier: 1

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-AMYLMETHYL 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 Inst : GCMSVOA3
Misc :
ALS Vial : 11 Sample Multiplier: 1



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

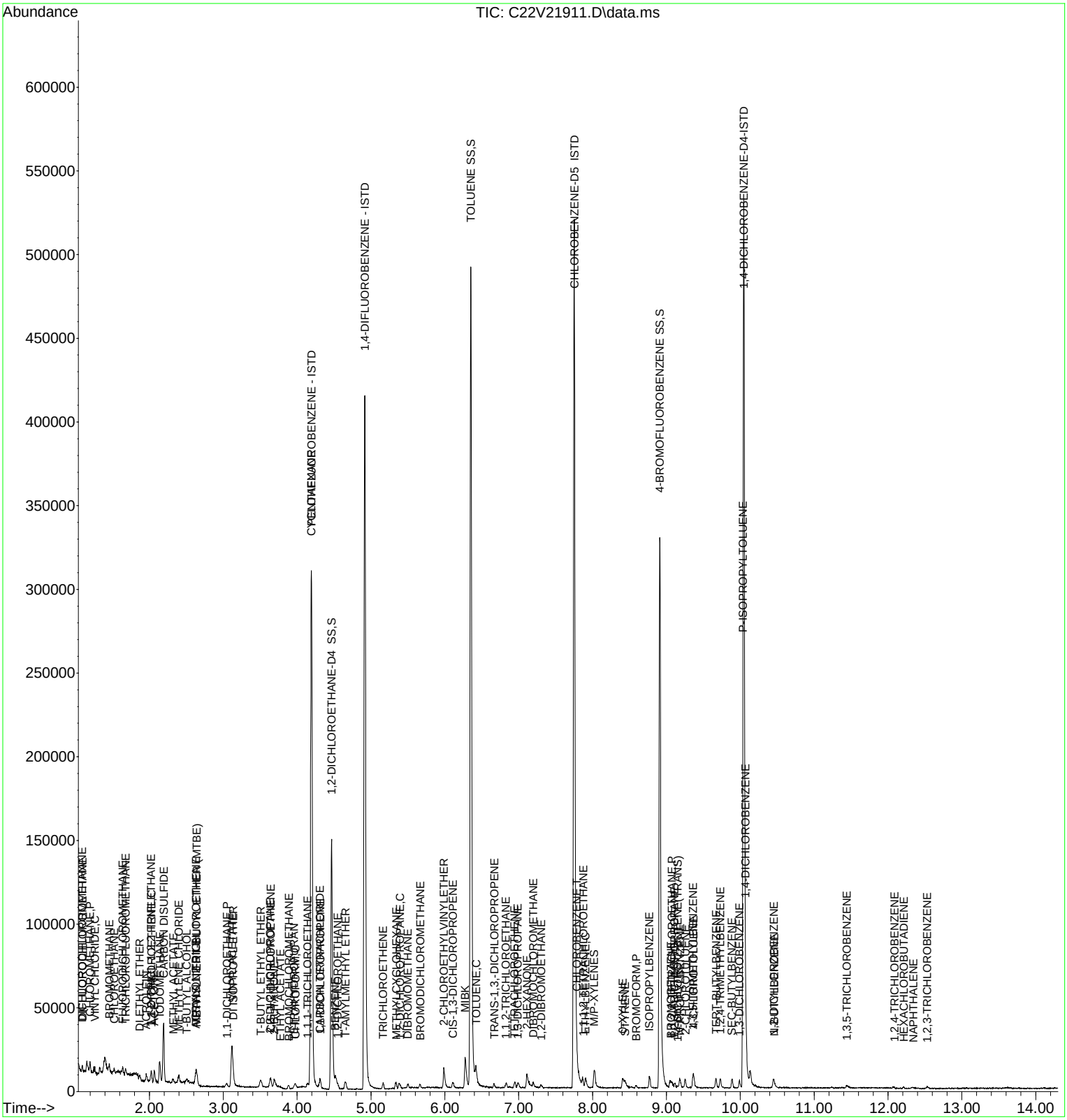
| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 57) | BROMODICHLOROMETHANE | 5.666 | 83 | 1427 | 0.40 | UG/L | # | 72 |
| 58) | 2-CHLOROETHYLVINYLETHER | 5.984 | 63 | 4889m | 3.33 | UG/L | | |
| 59) | MIBK | 6.274 | 43 | 16105m | 3.64 | UG/L | | |
| 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) | 0-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-CHLOROT0LUENE | 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

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 Inst : GCMSVOA3
Misc :
ALS Vial : 11 Sample Multiplier: 1



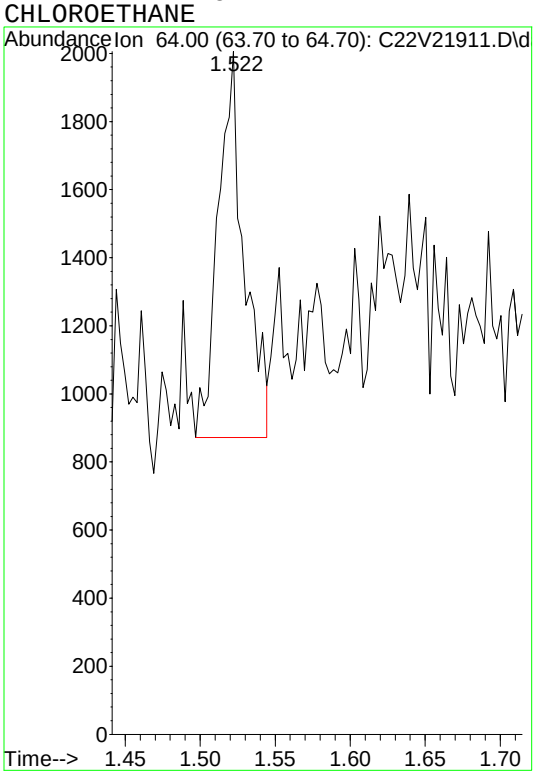
Quant Time: Aug 08 12:17:29 2022
Quant Method : C:\msdchem\1\methods\C051619.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
QLast Update : Mon Aug 08 11:15:01 2022
Response via : Initial Calibration



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
---

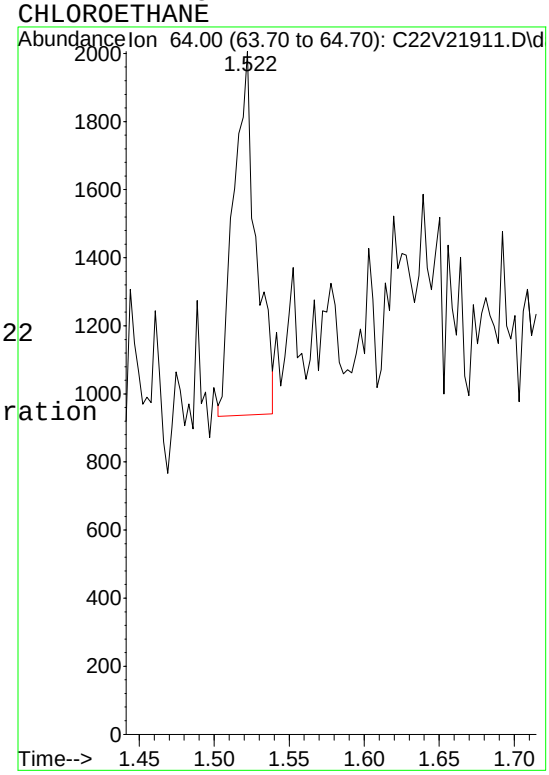
RT : 1.52
Area : 1367
Amount: 0.735156

Manual Int. Results
---

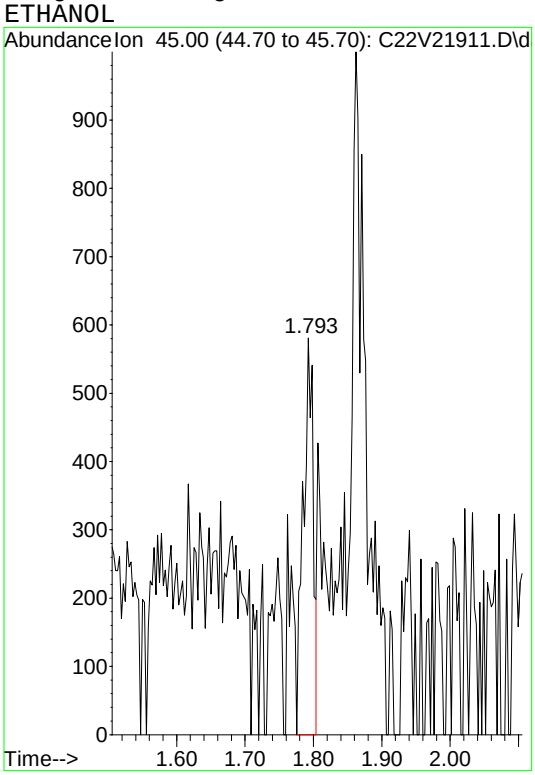
Mon Aug 08 12:15:24 2022

MIuser: EEH
Reason: Incorret Integration
RT : 1.52
Area : 1108
Amount: 0.595869

Manual Integration
CHLOROETHANE




Original Integration
ETHANOL




Original Int. Results
---

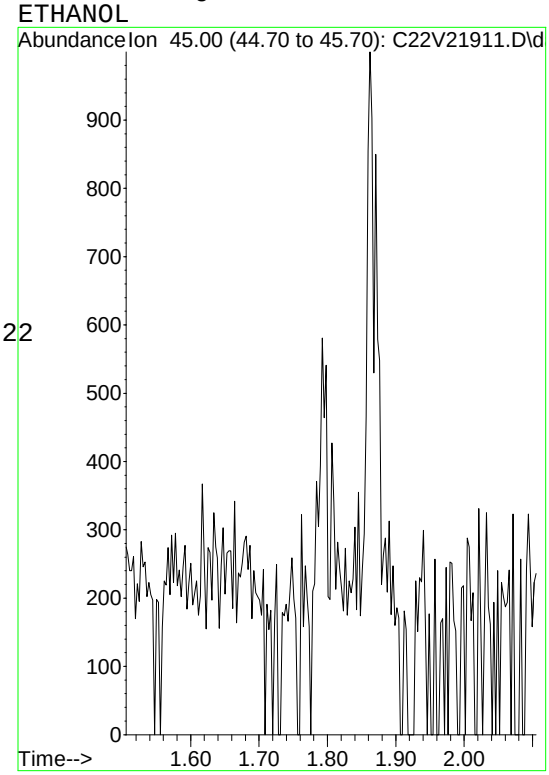
RT : 1.79
Area : 584
Amount: 8.85115

Manual Int. Results
---

Mon Aug 08 12:15:32 2022

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

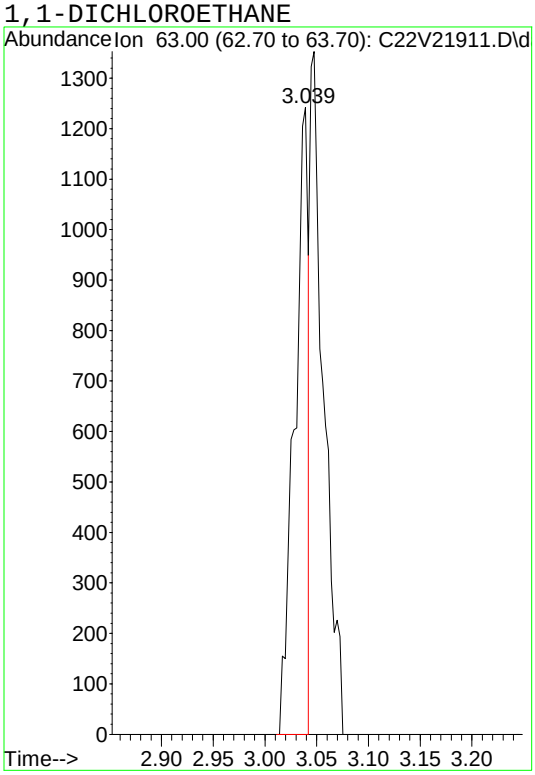
Manual Integration
ETHANOL



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




Original Int. Results
---

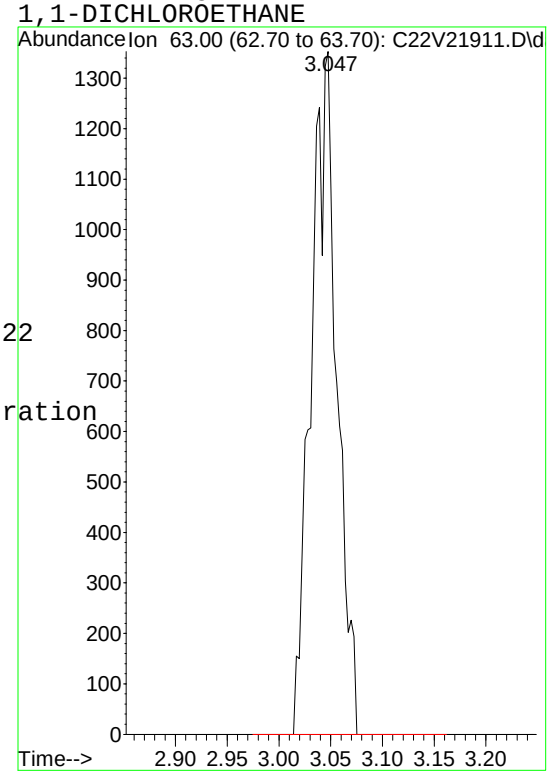
RT : 3.04
Area : 1132
Amount: 0.217899

Manual Int. Results
---

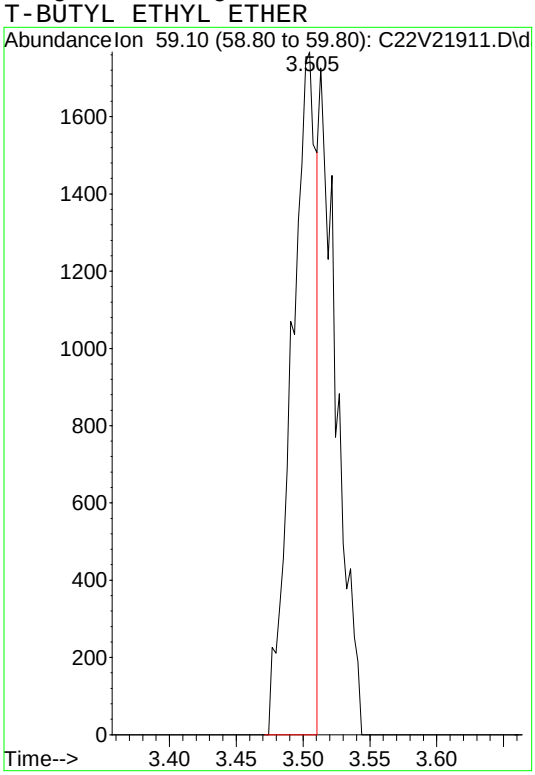
Mon Aug 08 12:15:43 2022

MIuser: EEH
Reason: Incorret Integration
RT : 3.05
Area : 2356
Amount: 0.453508

Manual Integration
1,1-DICHLOROETHANE




Original Integration
T-BUTYL ETHYL ETHER




Original Int. Results
---

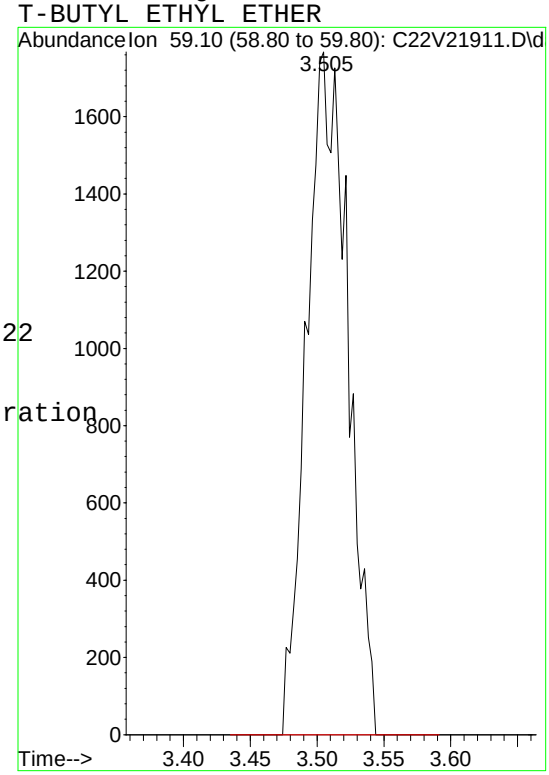
RT : 3.50
Area : 2237
Amount: 0.238858

Manual Int. Results
---

Mon Aug 08 12:15:48 2022

MIuser: EEH
Reason: Incorret Integration
RT : 3.50
Area : 3792
Amount: 0.404895

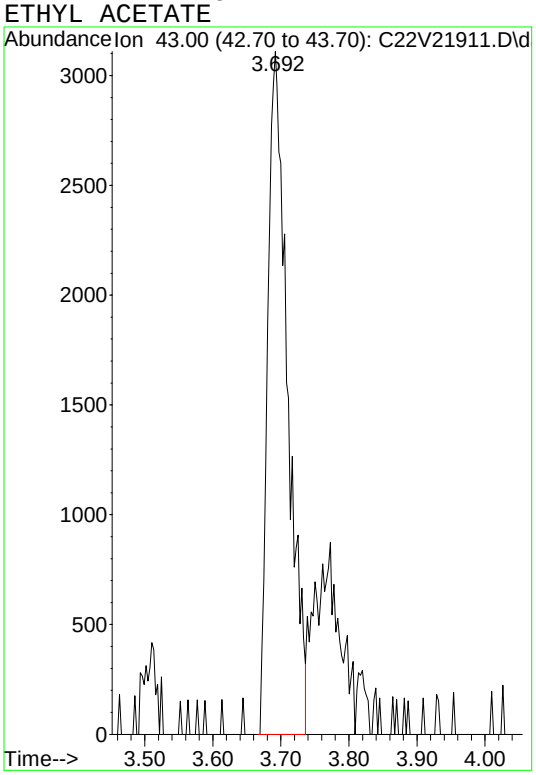
Manual Integration
T-BUTYL ETHYL ETHER



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




Original Int. Results
---

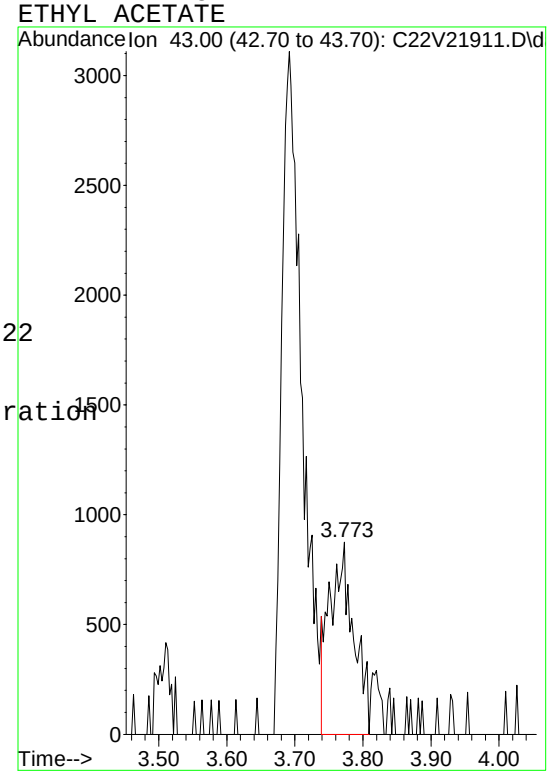
RT : 3.69
Area : 6325
Amount: 1.43597

Manual Int. Results
---

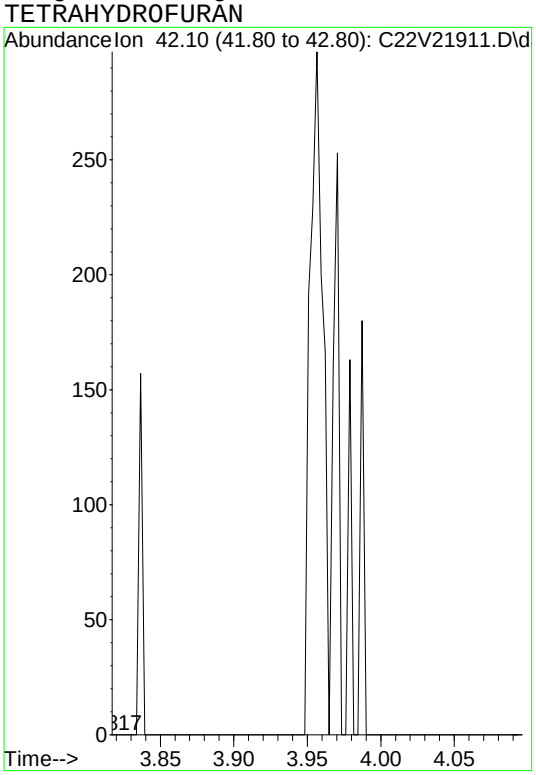
Mon Aug 08 12:15:54 2022

MIuser: EEH
Reason: Incorret Integration
RT : 3.77
Area : 2120
Amount: 0.481306

Manual Integration
ETHYL ACETATE




Original Integration
TETRAHYDROFURAN




Original Int. Results
---

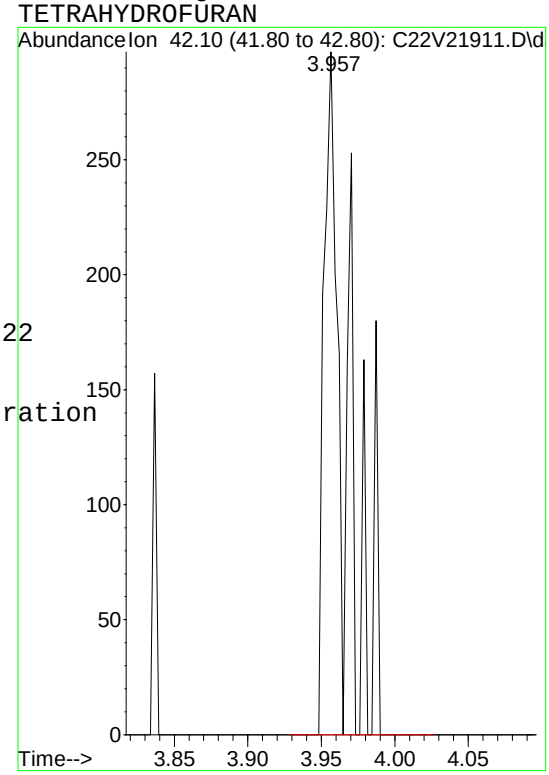
RT : 0.00
Area : 0
Amount: 0

Manual Int. Results
---

Mon Aug 08 12:16:00 2022

MIuser: EEH
Reason: Incorret Integration
RT : 3.96
Area : 308
Amount: 0.236581

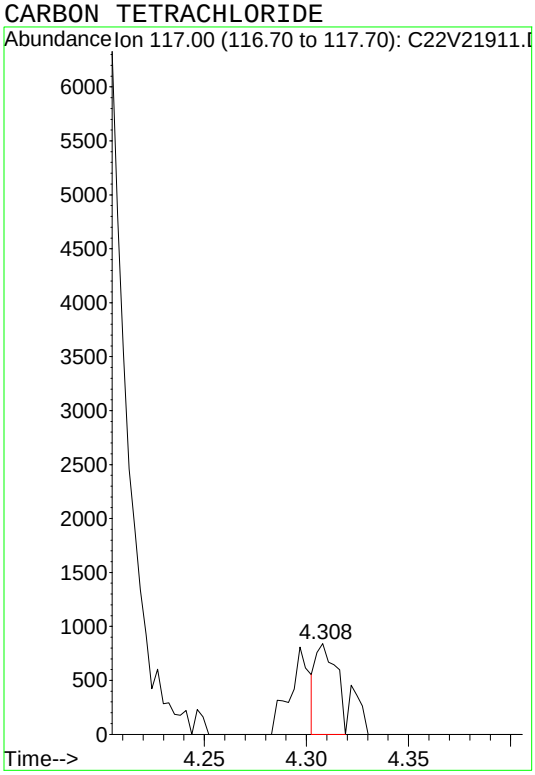
Manual Integration
TETRAHYDROFURAN



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




Original Int. Results
---

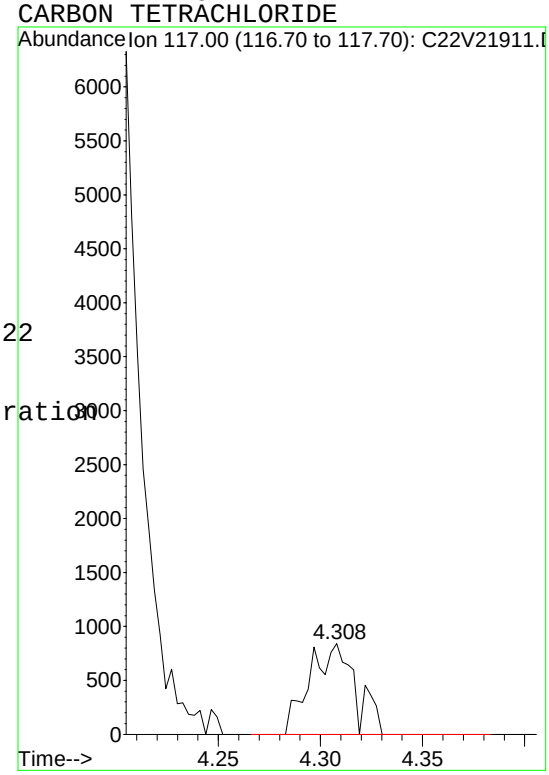
RT : 4.31
Area : 588
Amount: 0.182346

Manual Int. Results
---

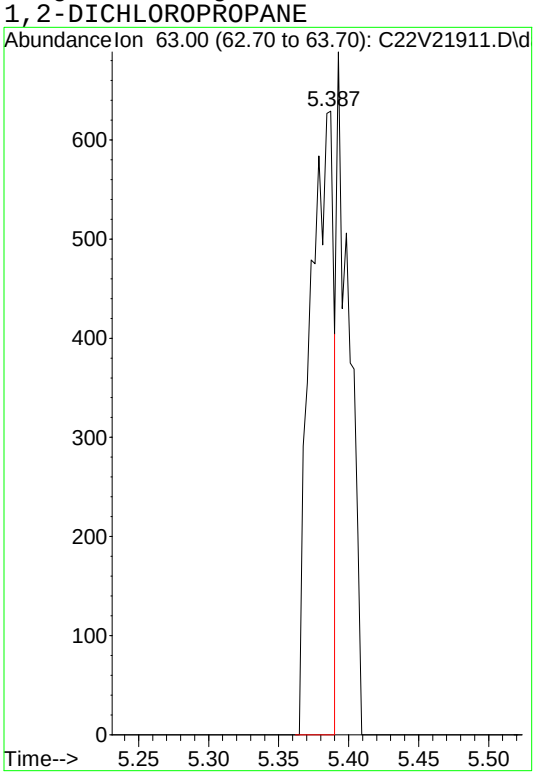
Mon Aug 08 12:16:08 2022

MIuser: EEH
Reason: Incorret Integration
RT : 4.31
Area : 1323
Amount: 0.410278

Manual Integration
CARBON TETRACHLORIDE




Original Integration
1,2-DICHLOROPROPANE




Original Int. Results
---

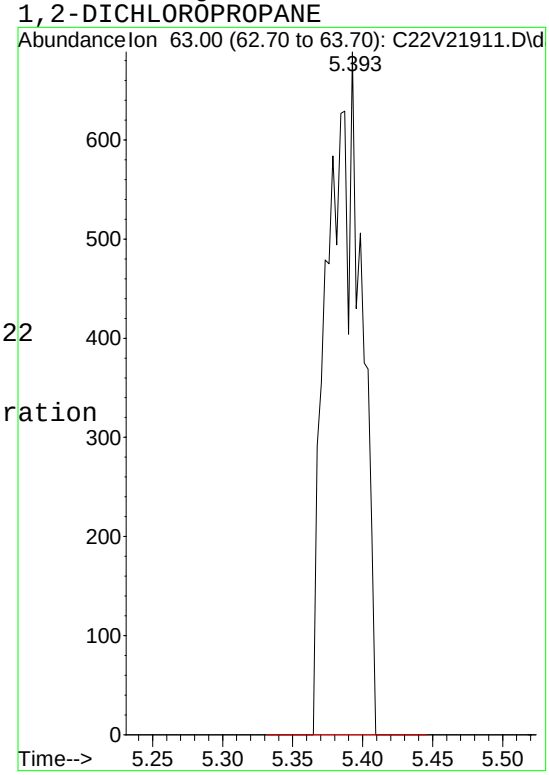
RT : 5.39
Area : 726
Amount: 0.24169

Manual Int. Results
---

Mon Aug 08 12:16:18 2022

MIuser: EEH
Reason: Incorret Integration
RT : 5.39
Area : 1156
Amount: 0.384839

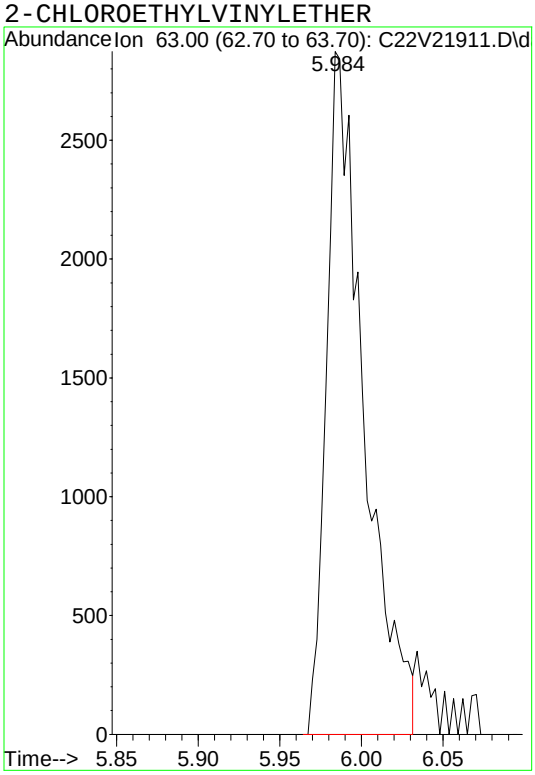
Manual Integration
1,2-DICHLOROPROPANE



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




Original Int. Results
---

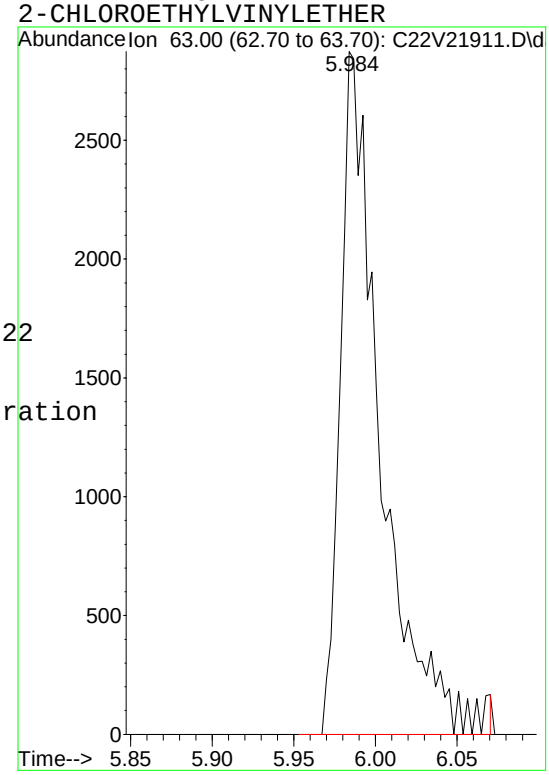
RT : 5.98
Area : 4559
Amount: 3.1074

Manual Int. Results
---

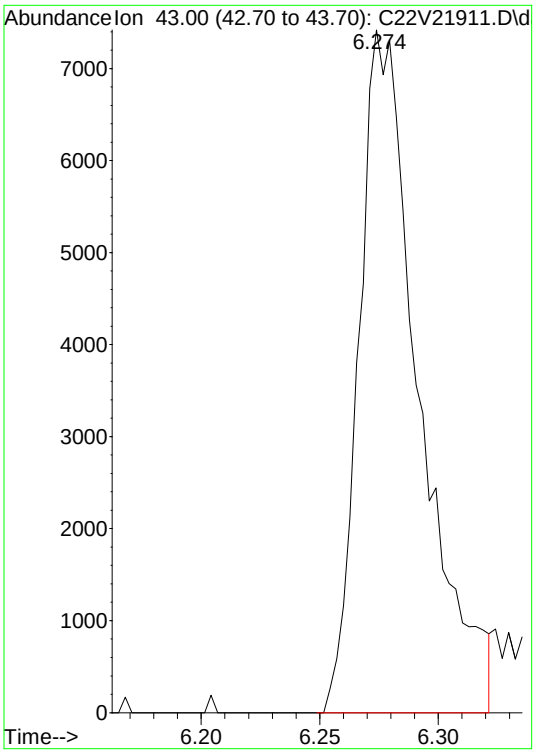
Mon Aug 08 12:16:28 2022

MIuser: EEH
Reason: Incorret Integration
RT : 5.98
Area : 4889
Amount: 3.33232

Manual Integration
2-CHLOROETHYLVINYLETHER




Original Integration
MIBK




Original Int. Results
---

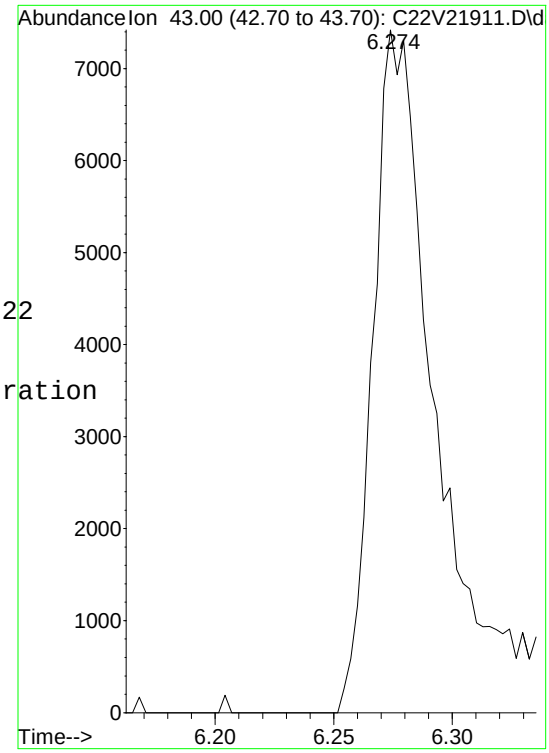
RT : 6.27
Area : 13001
Amount: 2.93969

Manual Int. Results
---

Mon Aug 08 12:16:31 2022

MIuser: EEH
Reason: Incorret Integration
RT : 6.27
Area : 16105
Amount: 3.64154

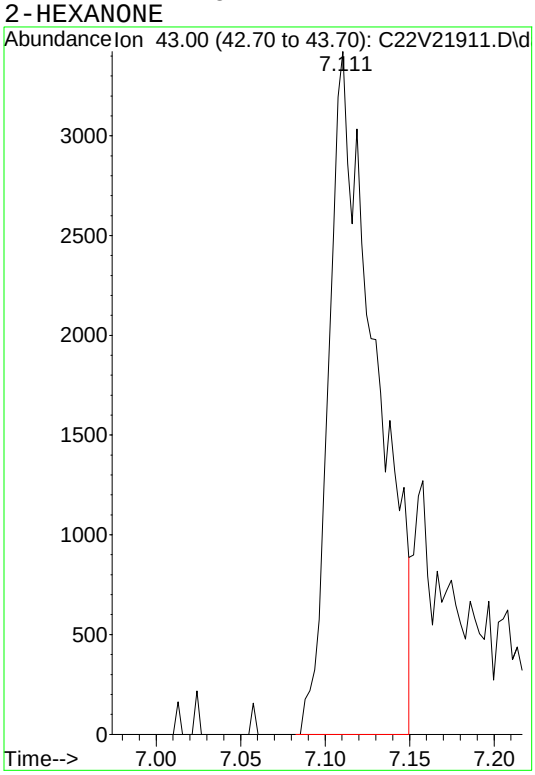
Manual Integration
MIBK



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
---

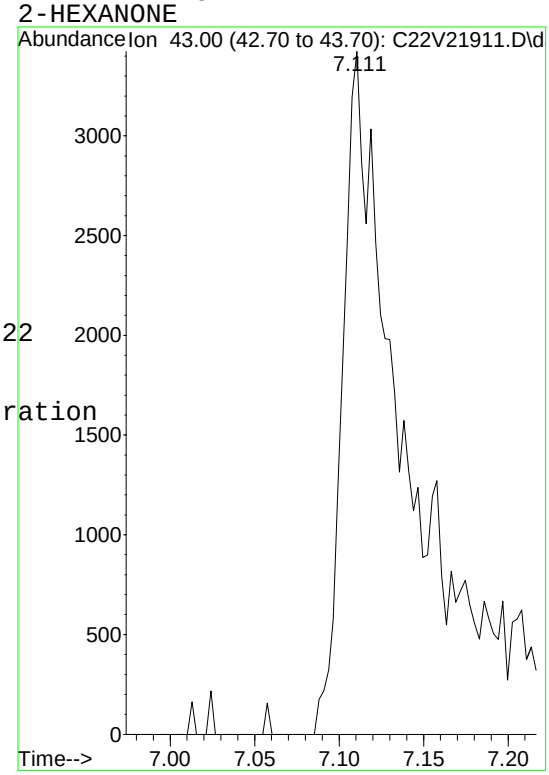
RT : 7.11
Area : 6642
Amount: 2.09102

Manual Int. Results
---

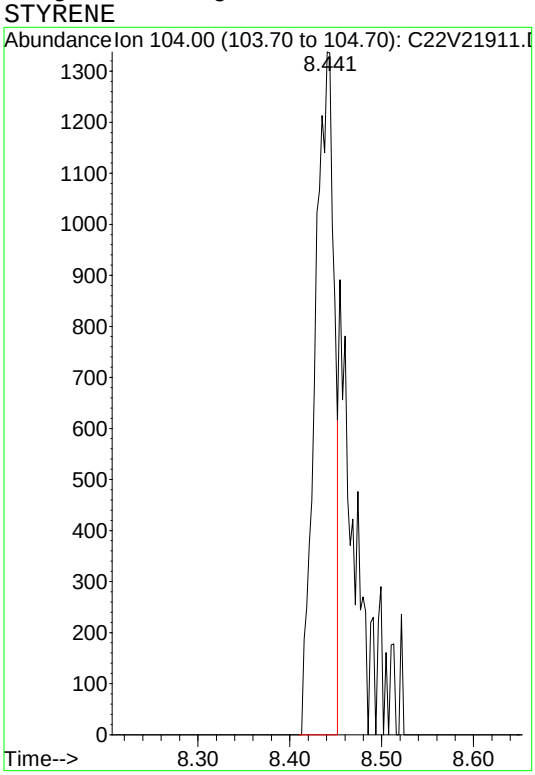
Mon Aug 08 12:16:38 2022

MIuser: EEH
Reason: Incorret Integration
RT : 7.11
Area : 10150
Amount: 3.1954

Manual Integration
2-HEXANONE




Original Integration
STYRENE




Original Int. Results
---

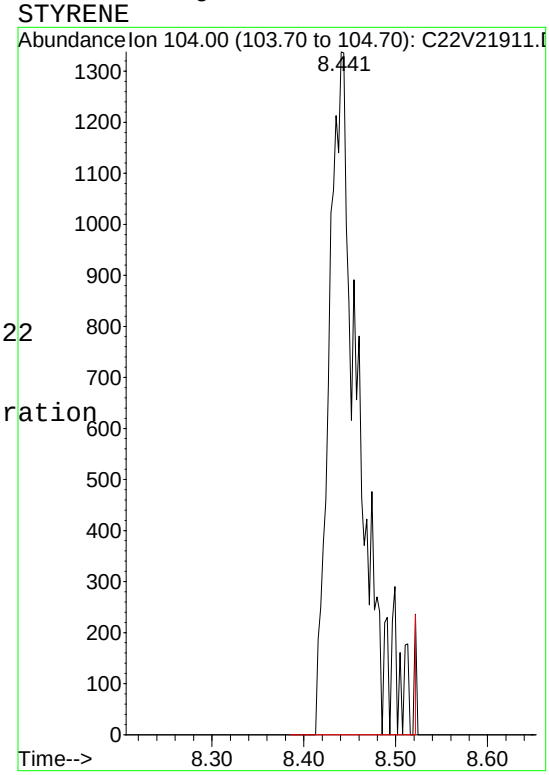
RT : 8.44
Area : 1930
Amount: 0.25909

Manual Int. Results
---

Mon Aug 08 12:16:46 2022

MIuser: EEH
Reason: Incorret Integration
RT : 8.44
Area : 3065
Amount: 0.411457

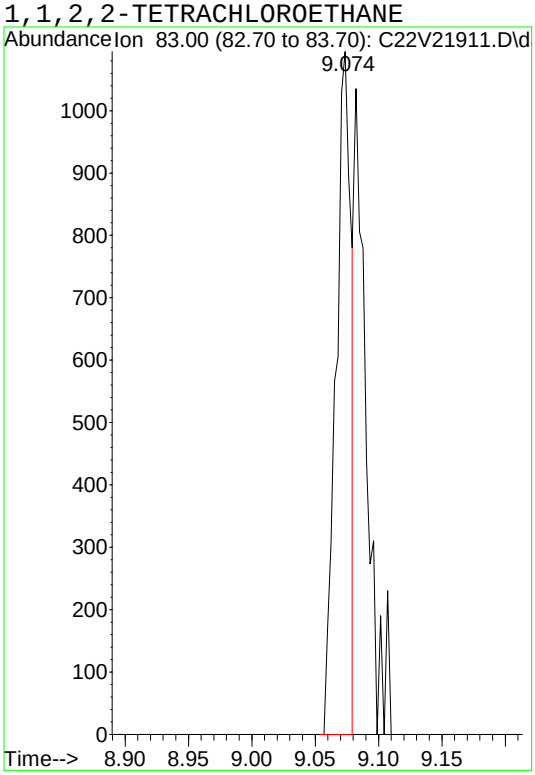
Manual Integration
STYRENE



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




Original Int. Results
---

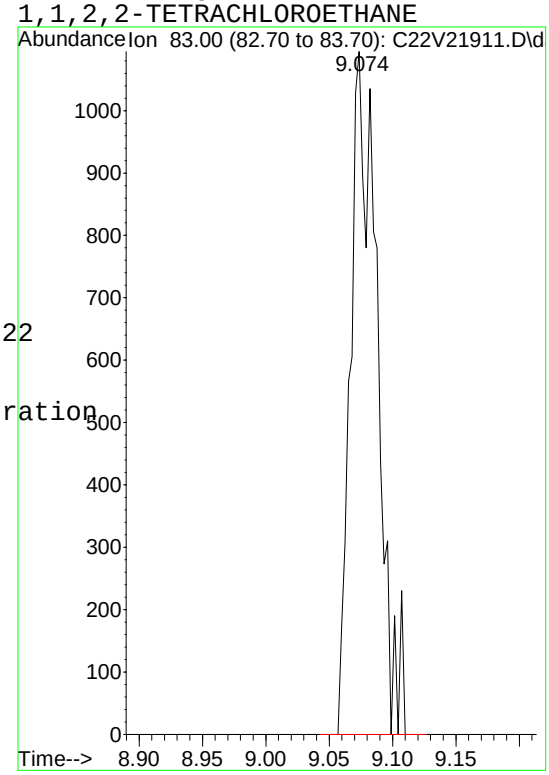
RT : 9.07
Area : 911
Amount: 0.223359

Manual Int. Results
---

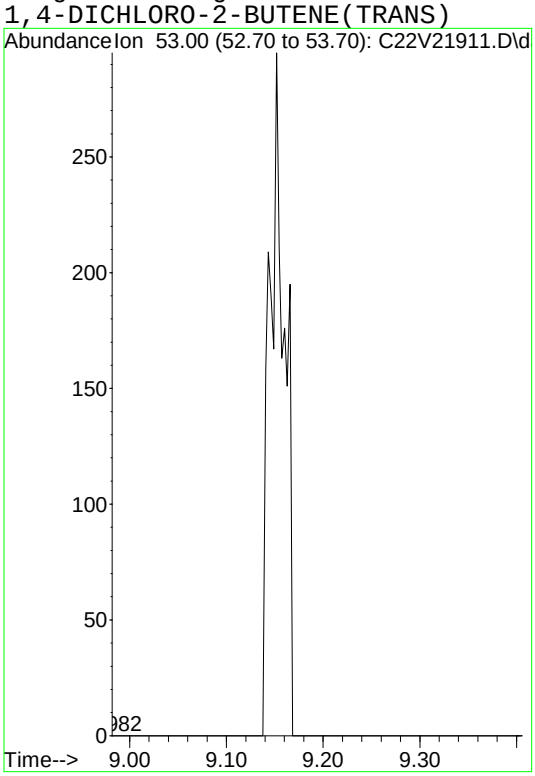
Mon Aug 08 12:16:51 2022

MIuser: EEH
Reason: Incorret Integration
RT : 9.07
Area : 1590
Amount: 0.389836

Manual Integration
1,1,2,2-TETRACHLOROETHANE




Original Integration
1,4-DICHLORO-2-BUTENE(TRANS)




Original Int. Results
---

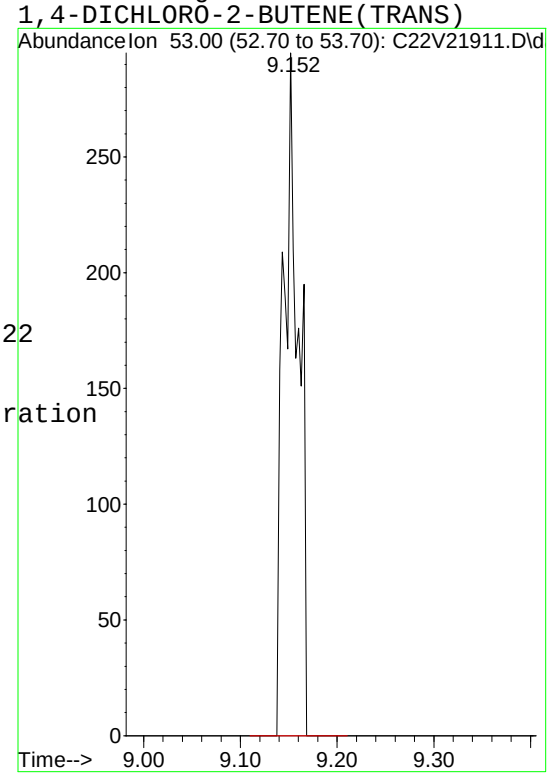
RT : 0.00
Area : 0
Amount: 0

Manual Int. Results
---

Mon Aug 08 12:16:54 2022

MIuser: EEH
Reason: Incorret Integration
RT : 9.15
Area : 320
Amount: 0.310588

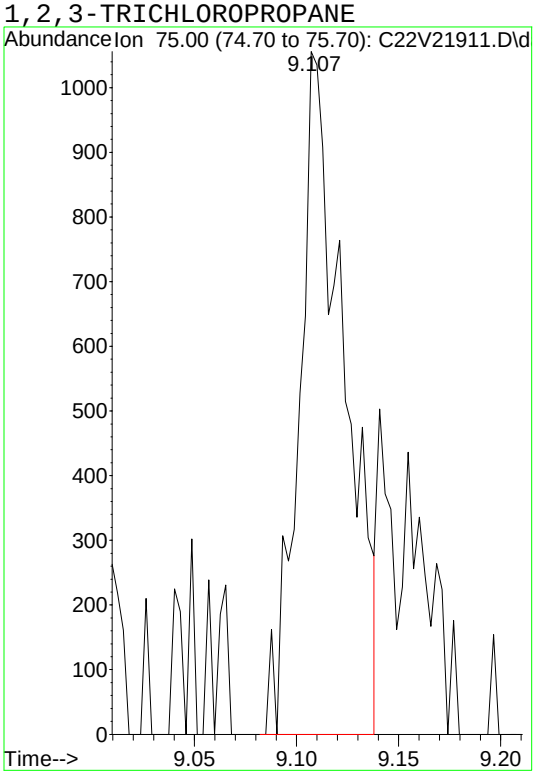
Manual Integration
1,4-DICHLORO-2-BUTENE(TRANS)



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




Original Int. Results
---

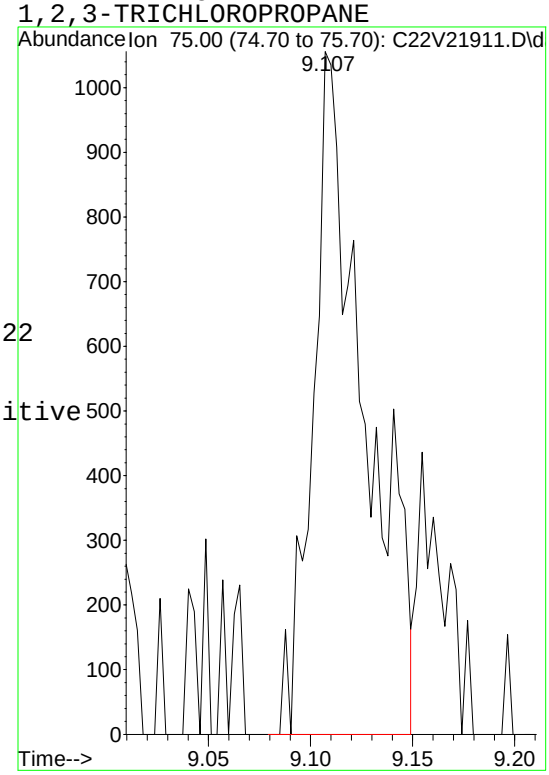
RT : 9.11
Area : 1627
Amount: 0.477466

Manual Int. Results
---

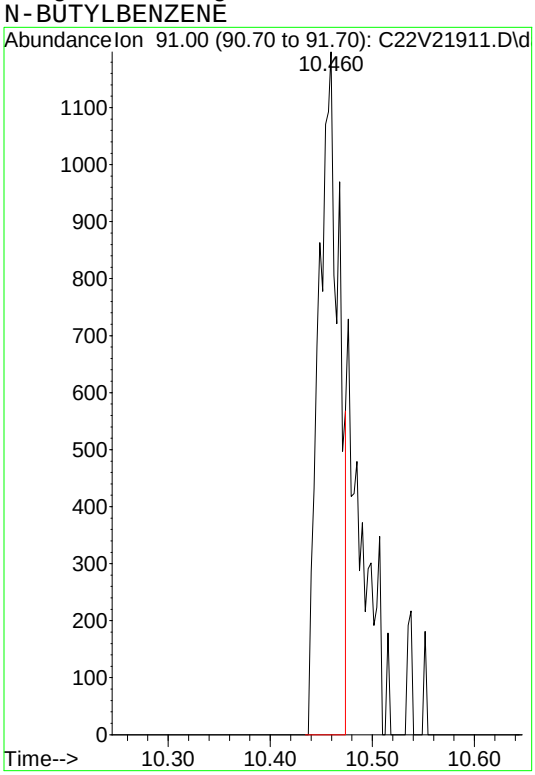
Mon Aug 08 12:16:59 2022

MIuser: EEH
Reason: Qdel False Positive
RT : 9.11
Area : 1858
Amount: 0.545256

Manual Integration
1,2,3-TRICHLOROPROPANE




Original Integration
N-BUTYLBENZENE




Original Int. Results
---

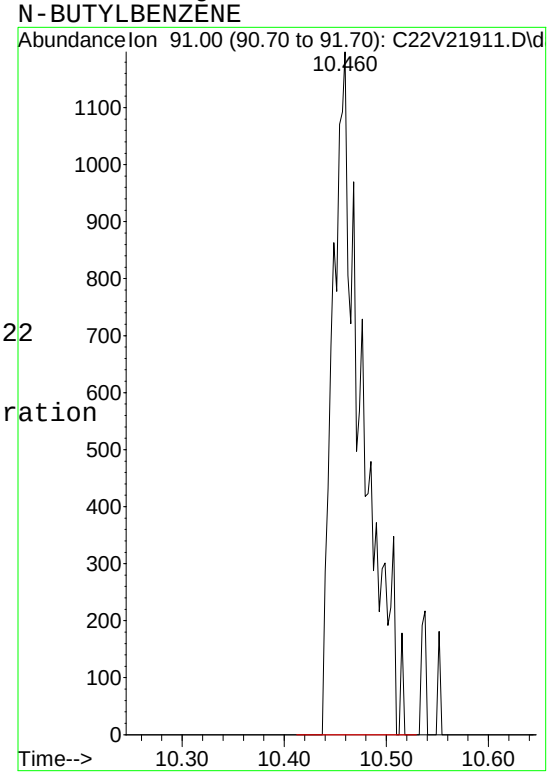
RT : 10.46
Area : 1667
Amount: 0.209662

Manual Int. Results
---

Mon Aug 08 12:17:16 2022

MIuser: EEH
Reason: Incorret Integration
RT : 10.46
Area : 2413
Amount: 0.303488

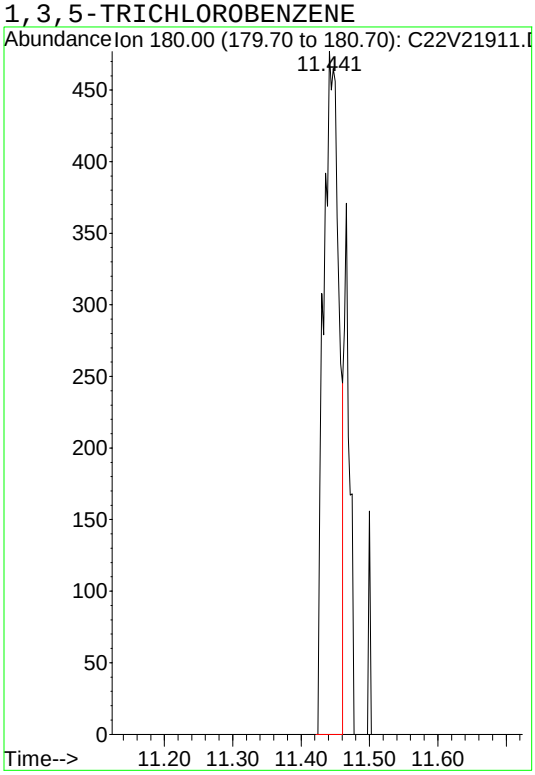
Manual Integration
N-BUTYLBENZENE



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
---

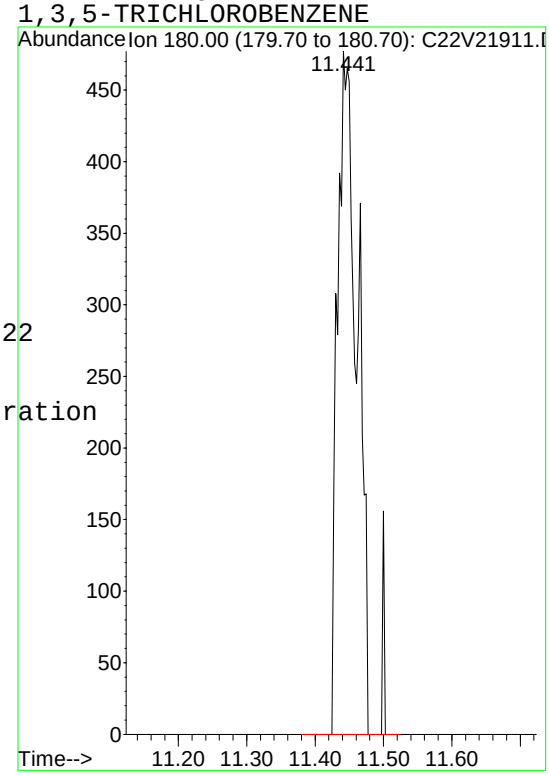
RT : 11.44
Area : 760
Amount: 0.207217

Manual Int. Results
---

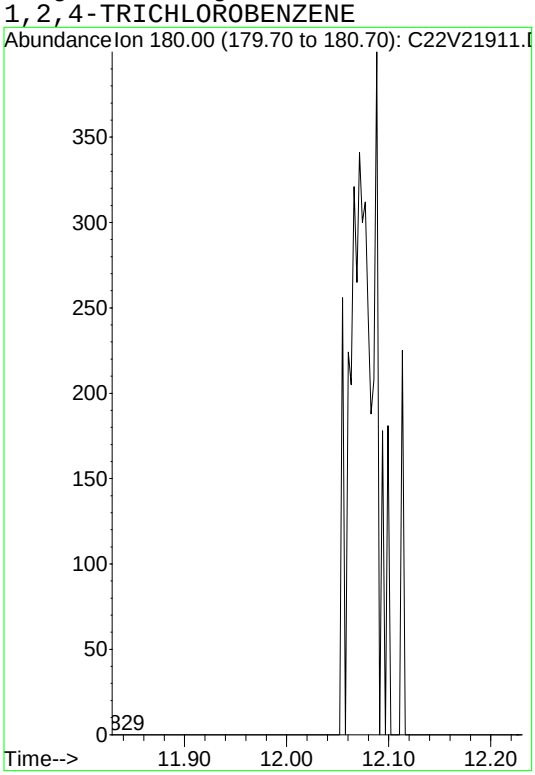
Mon Aug 08 12:17:20 2022

MIuser: EEH
Reason: Incorret Integration
RT : 11.44
Area : 986
Amount: 0.268837

Manual Integration
1,3,5-TRICHLOROBENZENE




Original Integration
1,2,4-TRICHLOROBENZENE




Original Int. Results
---

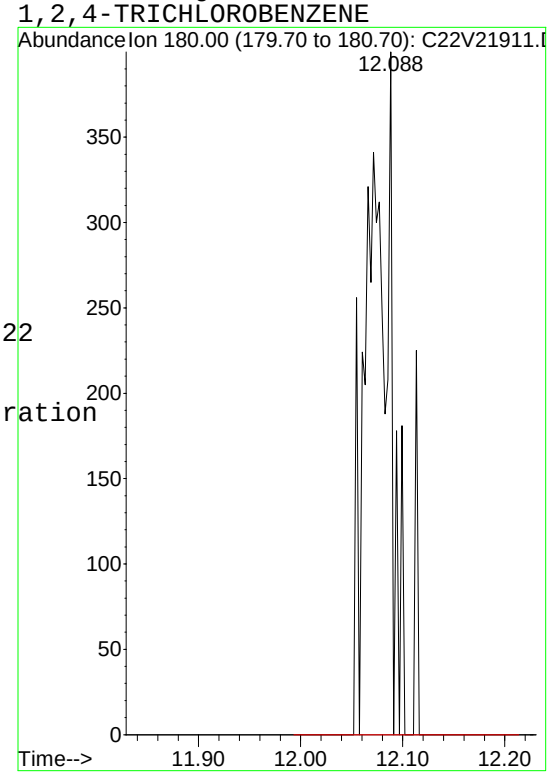
RT : 0.00
Area : 0
Amount: 0

Manual Int. Results
---

Mon Aug 08 12:17:22 2022

MIuser: EEH
Reason: Incorret Integration
RT : 12.09
Area : 644
Amount: 0.186415

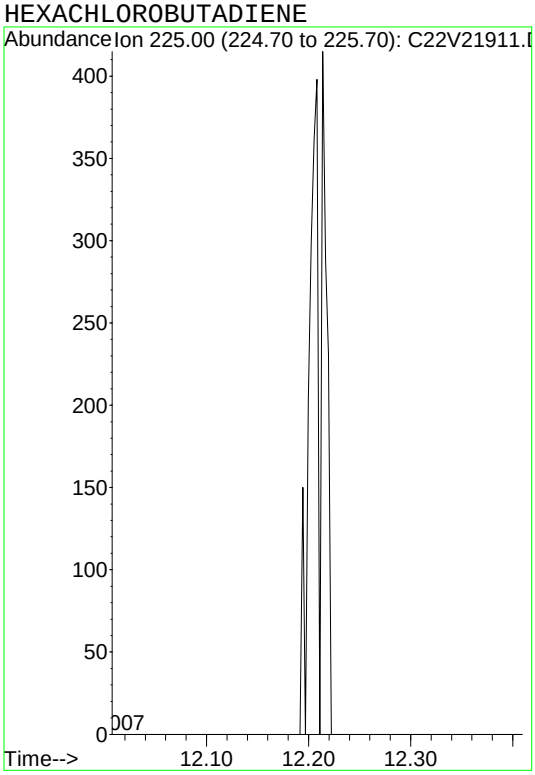
Manual Integration
1,2,4-TRICHLOROBENZENE



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




Original Int. Results
---

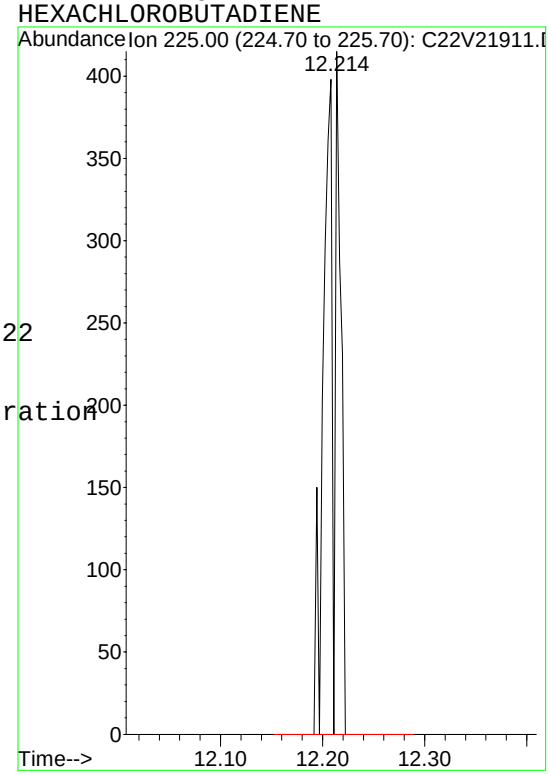
RT : 0.00
Area : 0
Amount: 0

Manual Int. Results
---

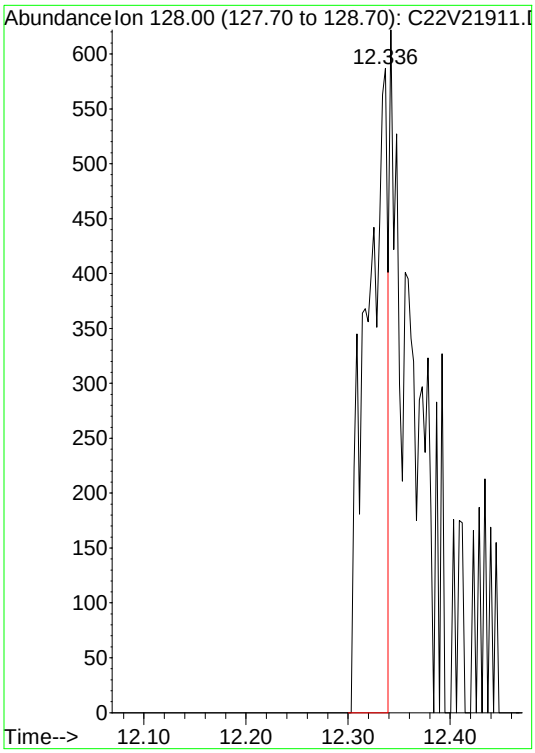
Mon Aug 08 12:17:24 2022

MIuser: EEH
Reason: Incorret Integration
RT : 12.21
Area : 392
Amount: 0.297959

Manual Integration
HEXACHLOROBUTADIENE




Original Integration
NAPHTHALENE




Original Int. Results
---

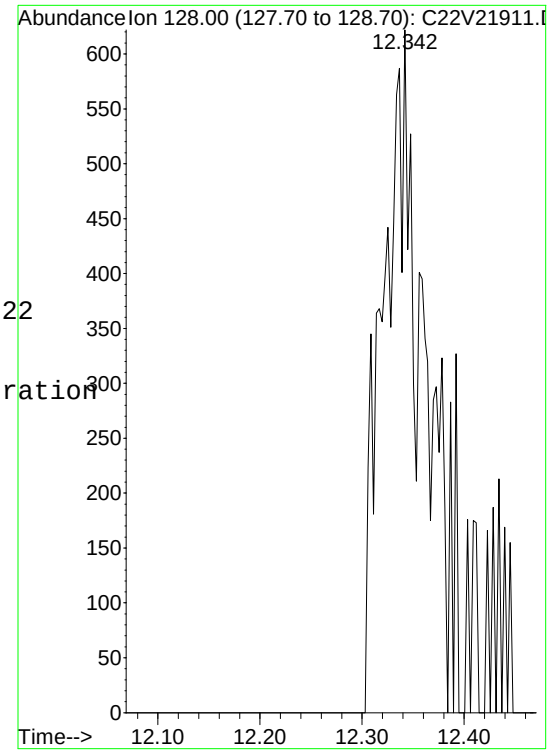
RT : 12.34
Area : 841
Amount: 0.0814378

Manual Int. Results
---

Mon Aug 08 12:17:27 2022

MIuser: EEH
Reason: Incorret Integration
RT : 12.34
Area : 2023
Amount: 0.195896

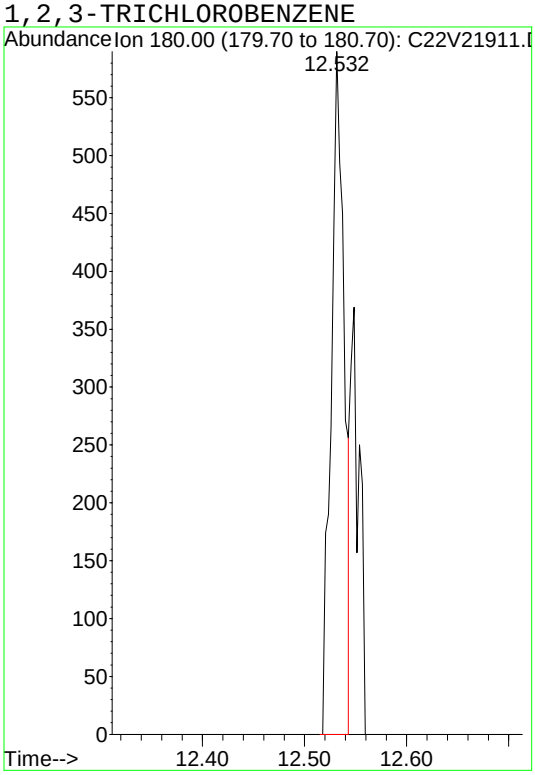
Manual Integration
NAPHTHALENE



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




Original Int. Results
---

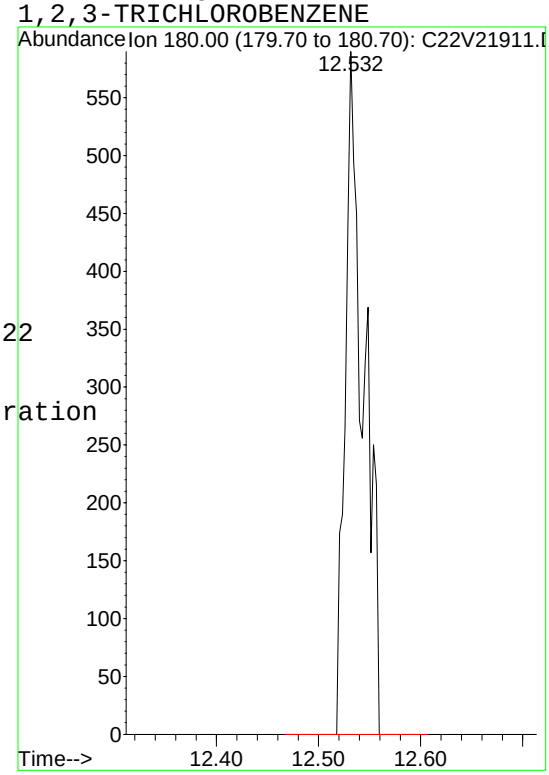
RT : 12.53
Area : 524
Amount: 0.15271

Manual Int. Results
---

Mon Aug 08 12:17:29 2022

MIuser: EEH
Reason: Incorret Integration
RT : 12.53
Area : 743
Amount: 0.216533

Manual Integration
1,2,3-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 Inst : GCMSVOA3
Misc :
ALS Vial : 12 Sample Multiplier: 1



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-AMYLMETHYL 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 Inst : GCMSVOA3
Misc :
ALS Vial : 12 Sample Multiplier: 1



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

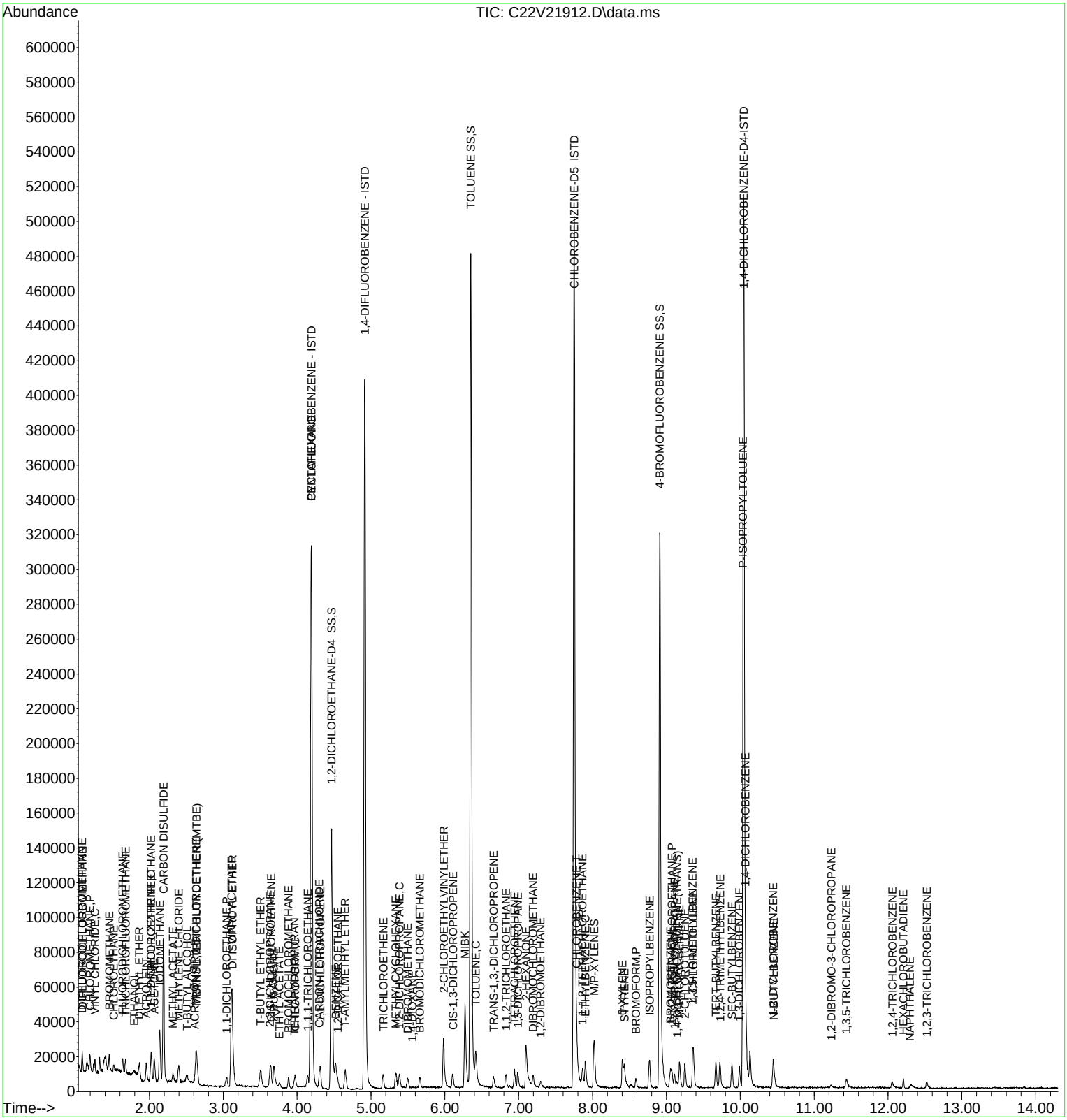
| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 54) DIBROMOMETHANE | 5.499 | 93 | 1756 | 0.94 | UG/L | | 93 |
| 56) 1,4-DIOXANE | 5.557 | 88 | 274m | 6.23 | UG/L | | |
| 57) BROMODICHLOROMETHANE | 5.660 | 83 | 3644 | 1.02 | UG/L | # | 87 |
| 58) 2-CHLOROETHYLVINYLETHER | 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) 0-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-CHLOROT0LUENE | 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

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 Inst : GCMSVOA3
Misc :
ALS Vial : 12 Sample Multiplier: 1



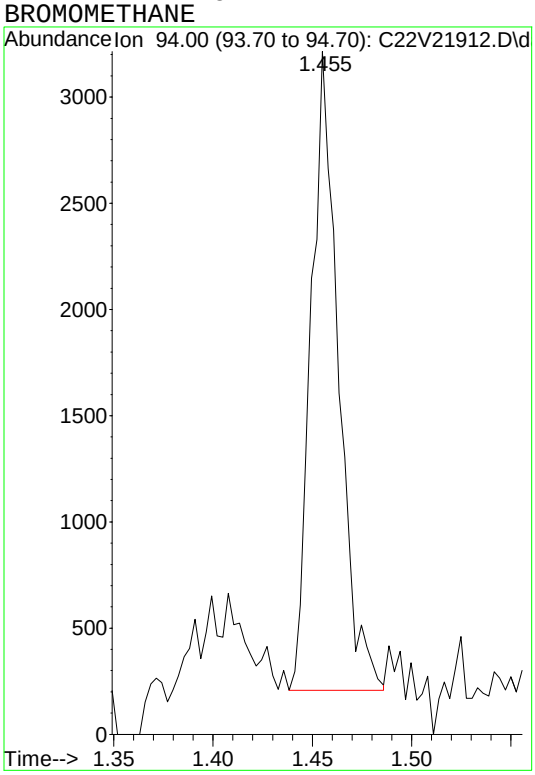
Quant Time: Aug 08 12:19:52 2022
Quant Method : C:\msdchem\1\methods\C051619.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
QLast Update : Mon Aug 08 11:15:01 2022
Response via : Initial Calibration



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
---

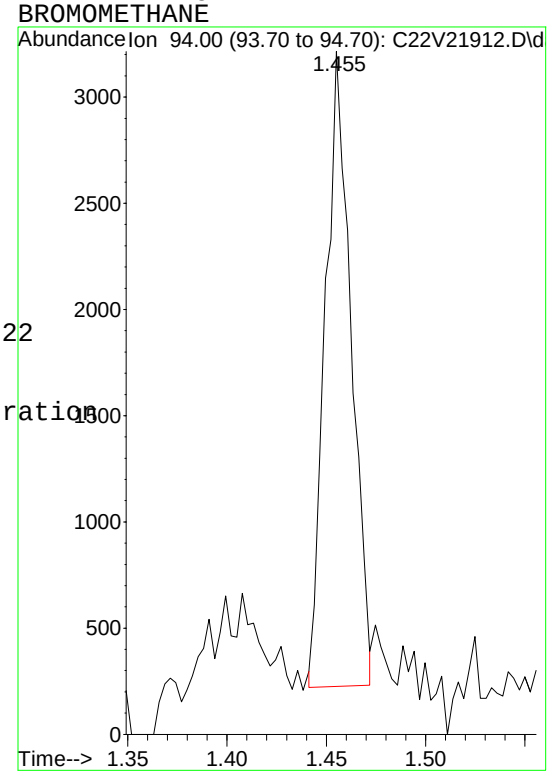
RT : 1.46
Area : 2897
Amount: 1.58617

Manual Int. Results
---

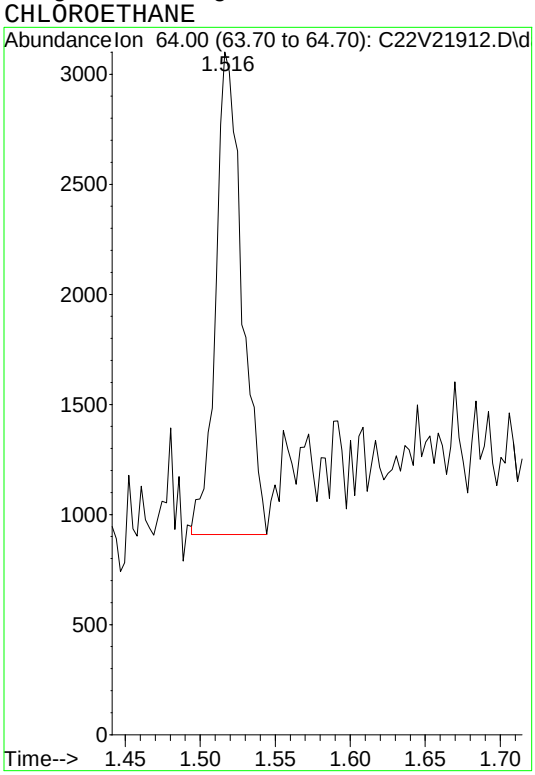
Mon Aug 08 12:17:52 2022

MIuser: EEH
Reason: Incorret Integration
RT : 1.46
Area : 2727
Amount: 1.49309

Manual Integration
BROMOMETHANE




Original Integration
CHLOROETHANE




Original Int. Results
---

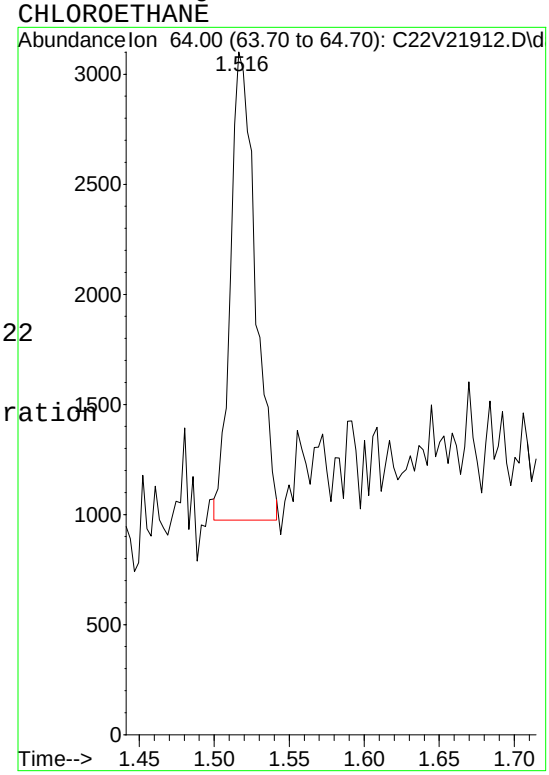
RT : 1.52
Area : 2673
Amount: 1.44605

Manual Int. Results
---

Mon Aug 08 12:17:58 2022

MIuser: EEH
Reason: Incorret Integration
RT : 1.52
Area : 2453
Amount: 1.32704

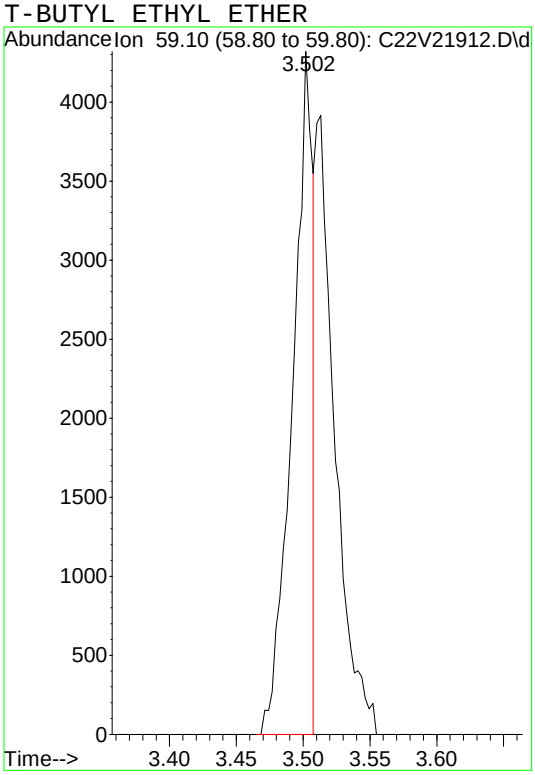
Manual Integration
CHLOROETHANE



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
---

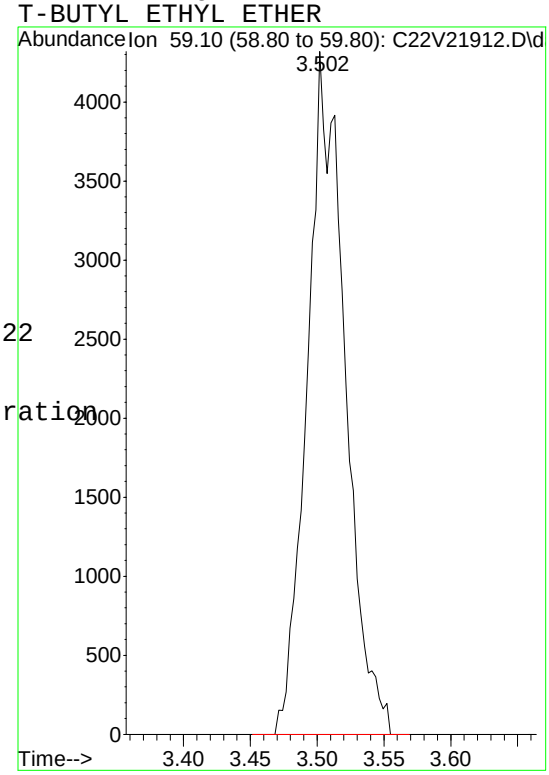
RT : 3.50
Area : 4542
Amount: 0.48786

Manual Int. Results
---

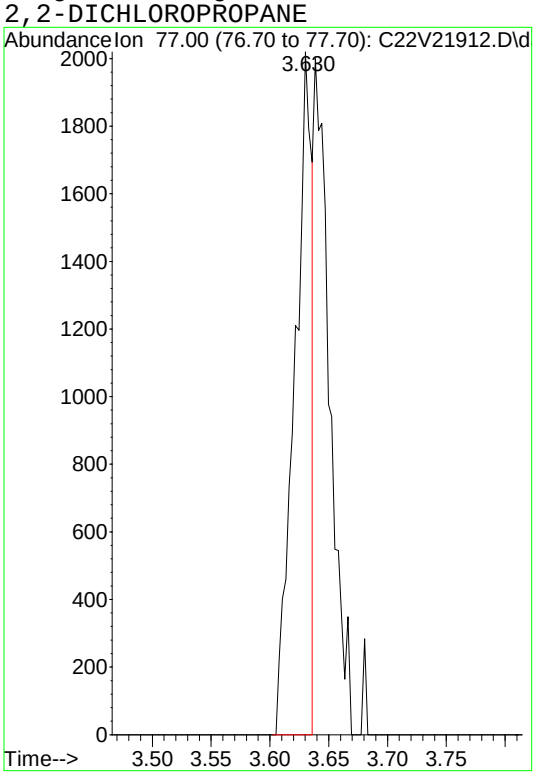
Mon Aug 08 12:18:17 2022

MIuser: EEH
Reason: Incorret Integration
RT : 3.50
Area : 8452
Amount: 0.907836

Manual Integration
T-BUTYL ETHYL ETHER




Original Integration
2,2-DICHLOROPROPANE




Original Int. Results
---

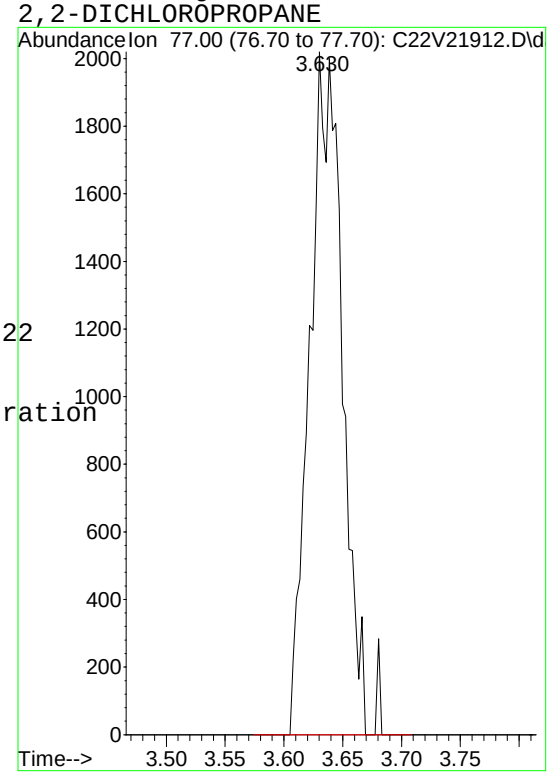
RT : 3.63
Area : 2041
Amount: 0.527574

Manual Int. Results
---

Mon Aug 08 12:18:20 2022

MIuser: EEH
Reason: Incorret Integration
RT : 3.63
Area : 3933
Amount: 1.01663

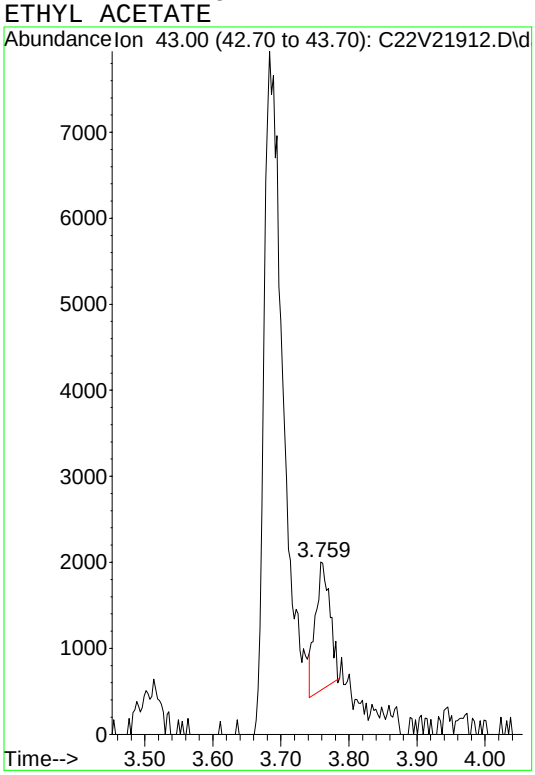
Manual Integration
2,2-DICHLOROPROPANE



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




Original Int. Results
---

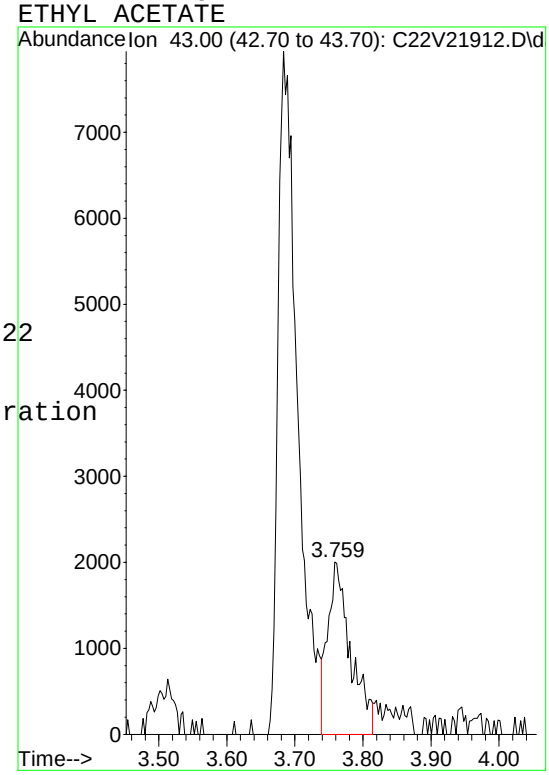
RT : 3.76
Area : 2175
Amount: 0.496728

Manual Int. Results
---

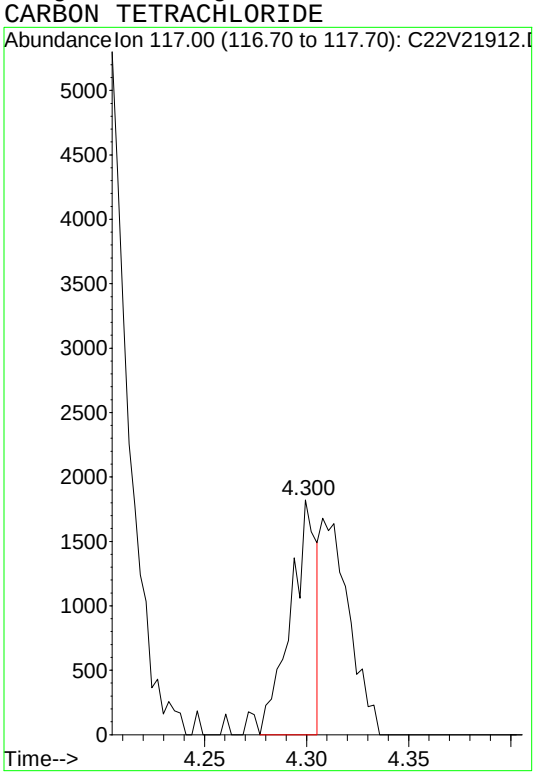
Mon Aug 08 12:18:24 2022

MIuser: EEH
Reason: Incorret Integration
RT : 3.76
Area : 4664
Amount: 1.06517

Manual Integration
ETHYL ACETATE




Original Integration
CARBON TETRACHLORIDE




Original Int. Results
---

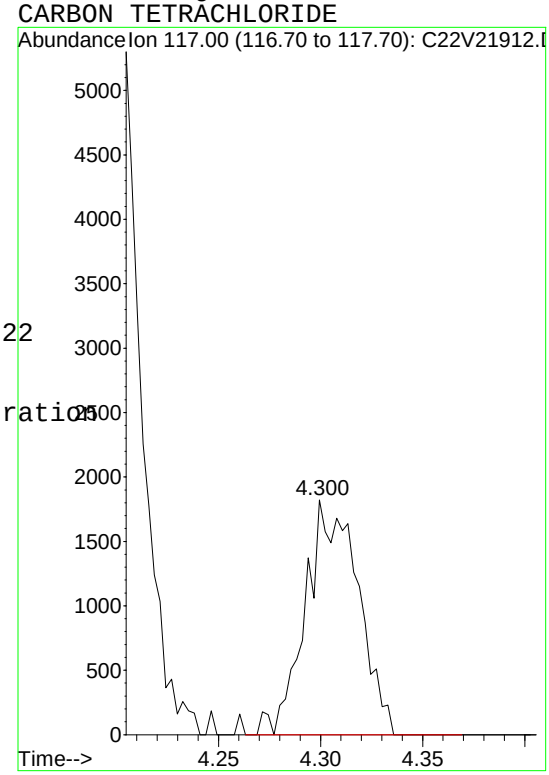
RT : 4.30
Area : 1614
Amount: 0.503496

Manual Int. Results
---

Mon Aug 08 12:18:32 2022

MIuser: EEH
Reason: Incorret Integration
RT : 4.30
Area : 3278
Amount: 1.02259

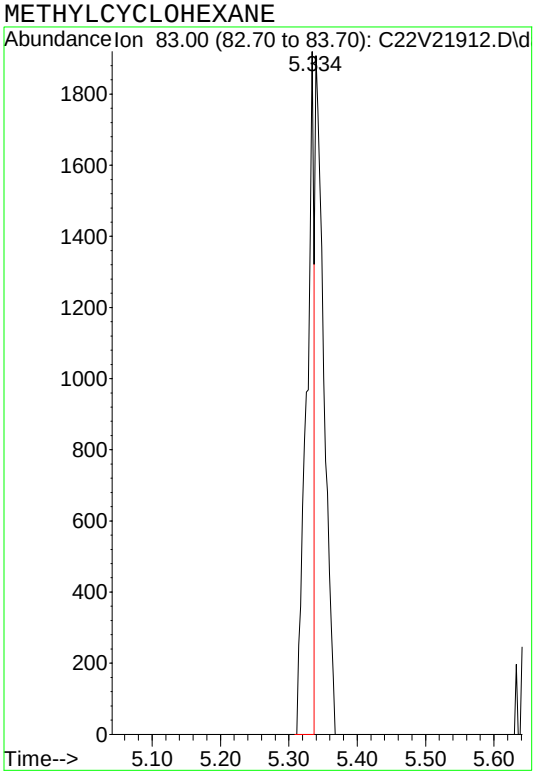
Manual Integration
CARBON TETRACHLORIDE



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




Original Int. Results
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RT : 5.33
Area : 1446
Amount: 0.421656

Manual Int. Results
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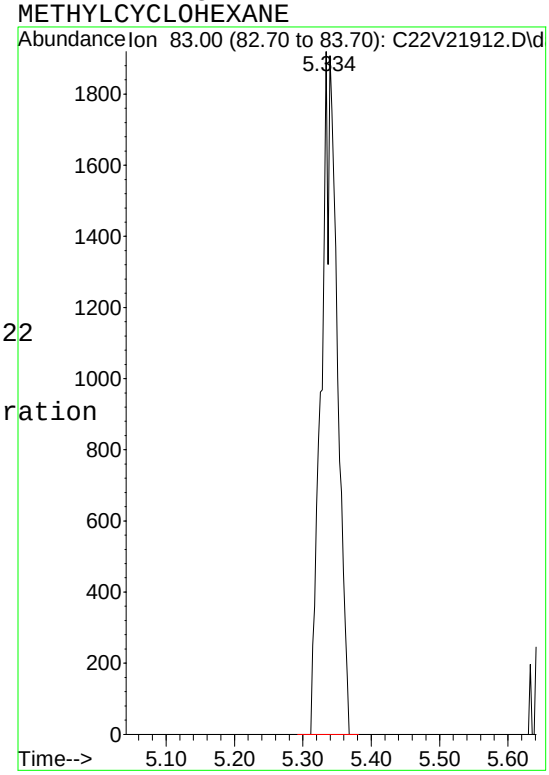
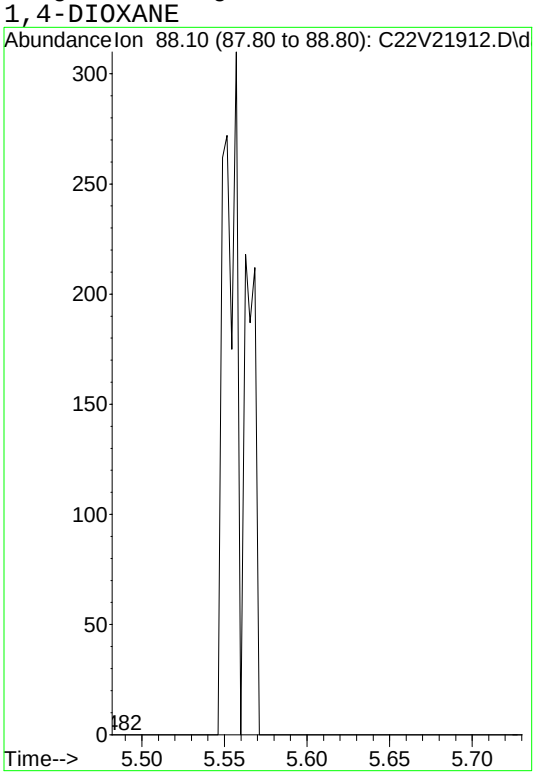
Mon Aug 08 12:18:41 2022

MIuser: EEH
Reason: Incorret Integration
RT : 5.33
Area : 3112
Amount: 0.907465

Manual Integration
METHYLCYCLOHEXANE




Original Integration
1,4-DIOXANE




Original Int. Results
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RT : 0.00
Area : 0
Amount: 0

Manual Int. Results
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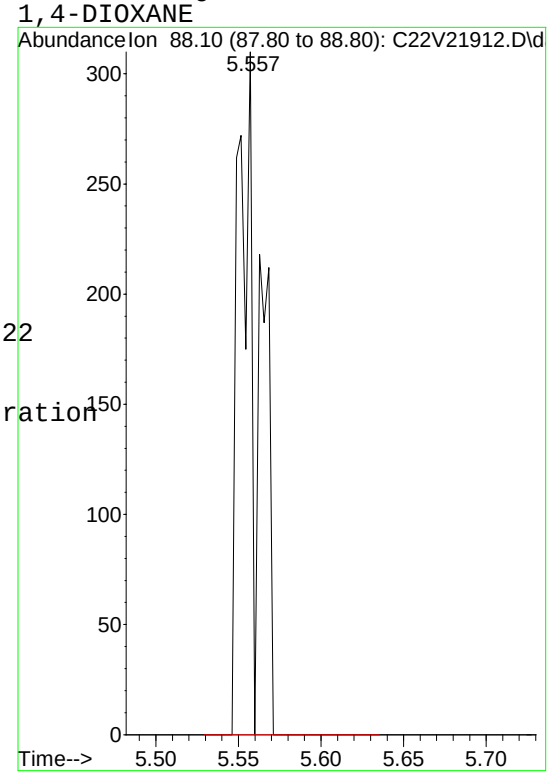
Mon Aug 08 12:18:49 2022

MIuser: EEH
Reason: Incorret Integration
RT : 5.56
Area : 274
Amount: 6.22641

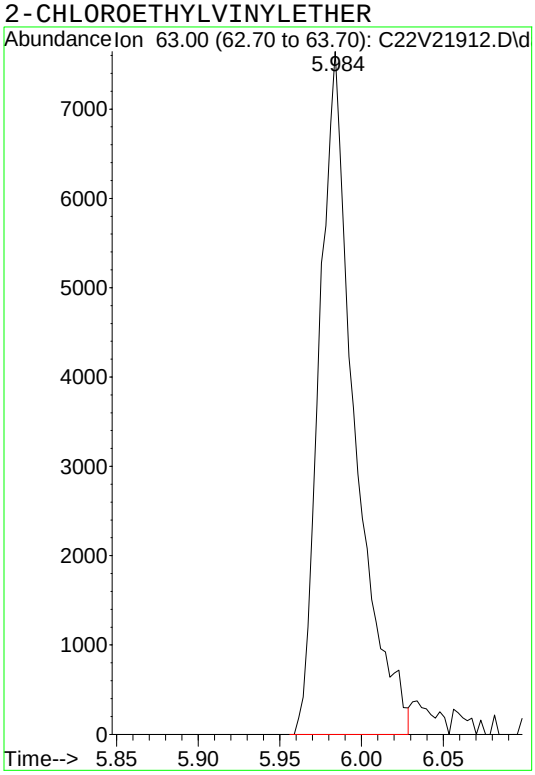
Manual Integration
1,4-DIOXANE



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
---

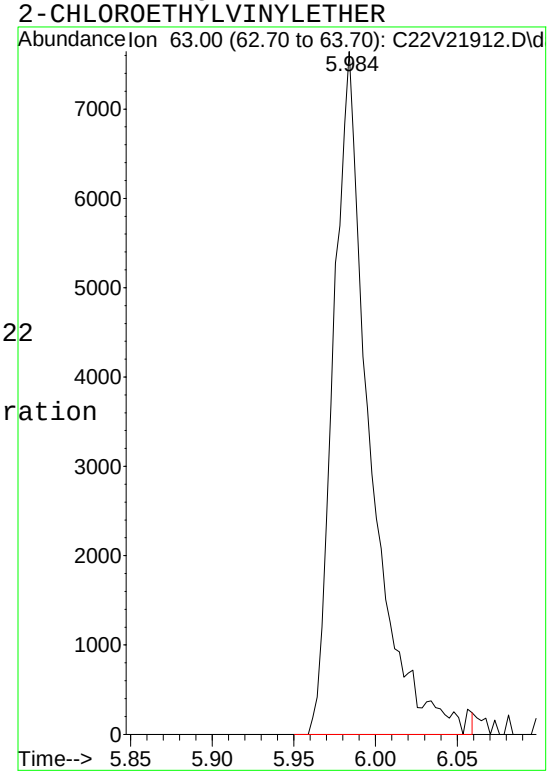
RT : 5.98
Area : 11382
Amount: 7.76174

Manual Int. Results
---

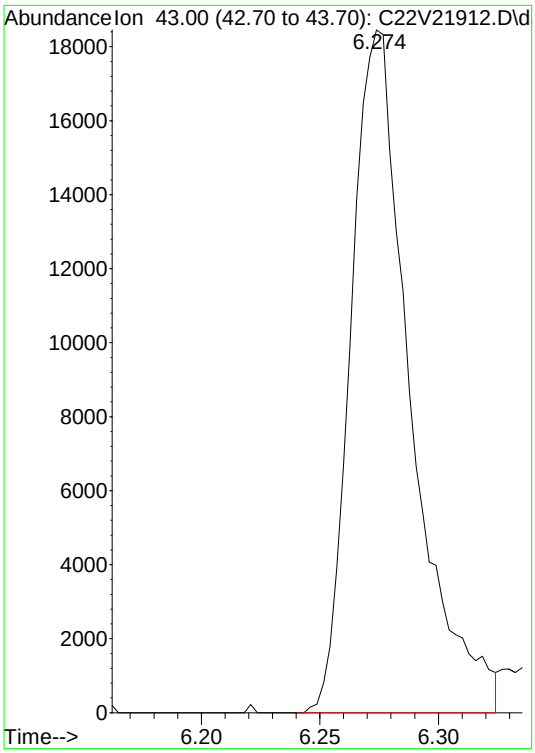
Mon Aug 08 12:18:54 2022

MIuser: EEH
Reason: Incorret Integration
RT : 5.98
Area : 11832
Amount: 8.06861

Manual Integration
2-CHLOROETHYLVINYLETHER




Original Integration
MIBK




Original Int. Results
---

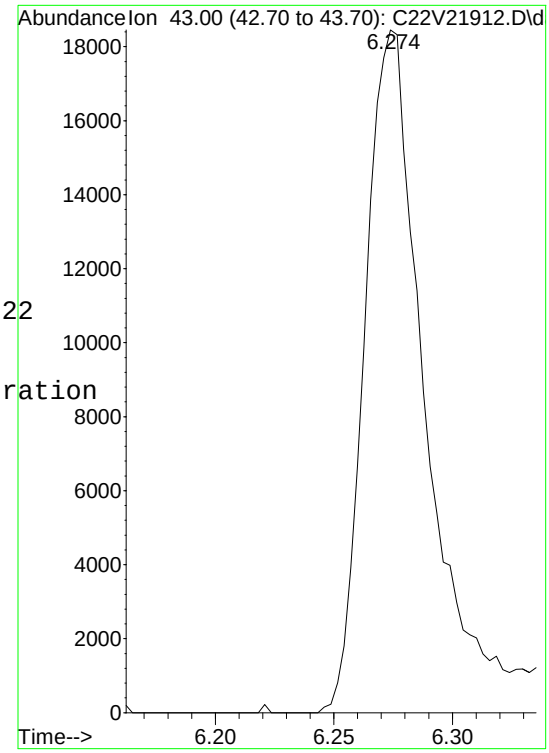
RT : 6.27
Area : 32264
Amount: 7.29887

Manual Int. Results
---

Mon Aug 08 12:18:58 2022

MIuser: EEH
Reason: Incorret Integration
RT : 6.27
Area : 35205
Amount: 7.96419

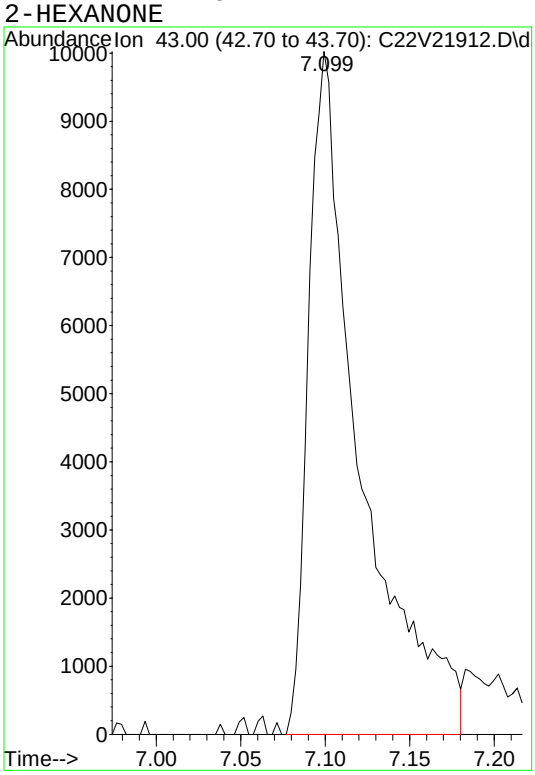
Manual Integration
MIBK



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
---

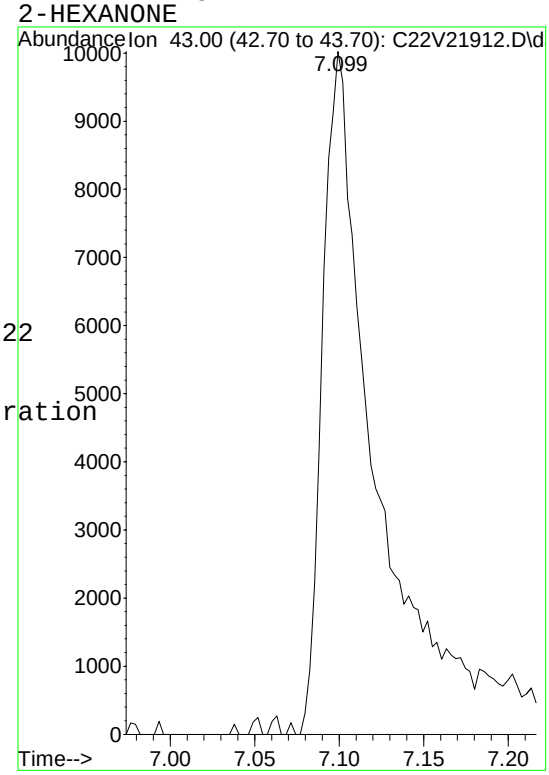
RT : 7.10
Area : 21157
Amount: 6.66388

Manual Int. Results
---

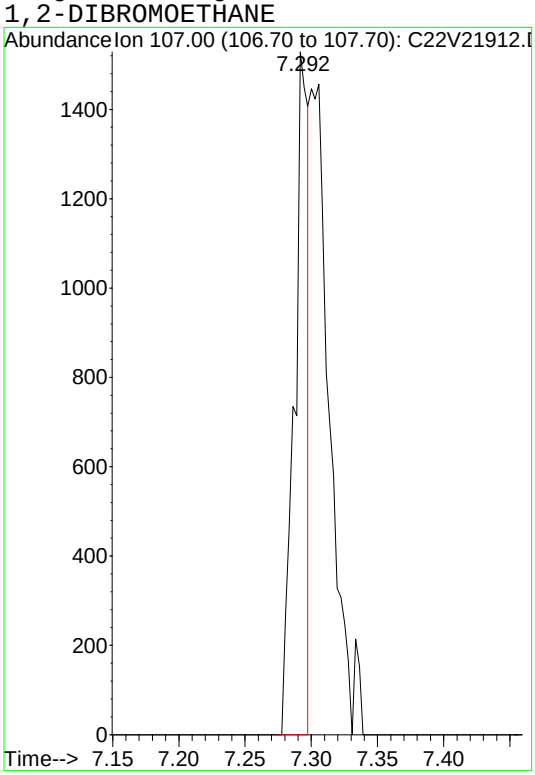
Mon Aug 08 12:19:06 2022

MIuser: EEH
Reason: Incorret Integration
RT : 7.10
Area : 23827
Amount: 7.50486

Manual Integration
2-HEXANONE




Original Integration
1,2-DIBROMOETHANE




Original Int. Results
---

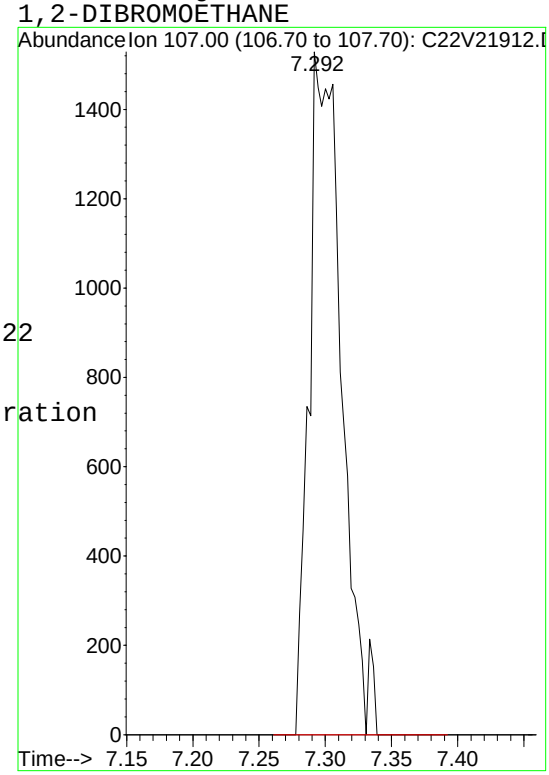
RT : 7.29
Area : 1099
Amount: 0.379955

Manual Int. Results
---

Mon Aug 08 12:19:11 2022

MIuser: EEH
Reason: Incorret Integration
RT : 7.29
Area : 2605
Amount: 0.900622

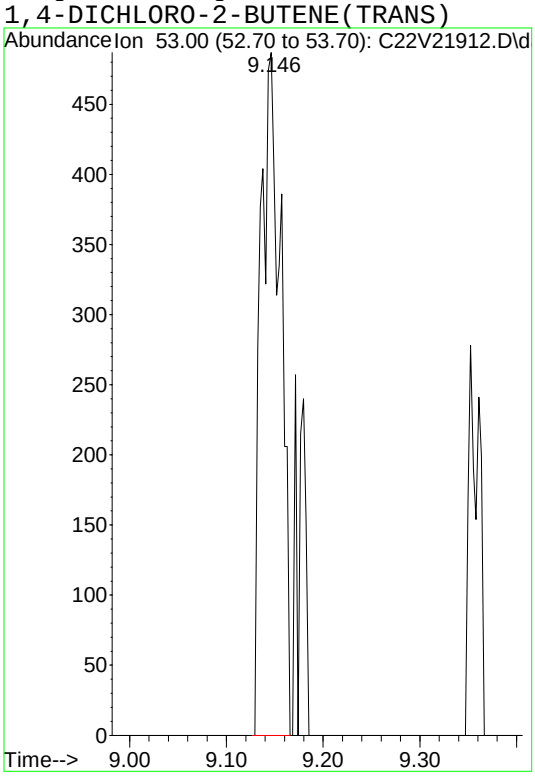
Manual Integration
1,2-DIBROMOETHANE



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)




Original Int. Results
---

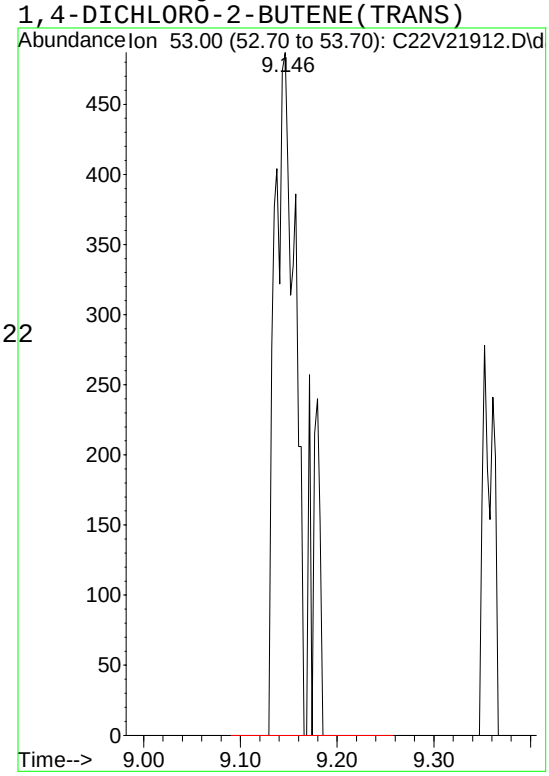
RT : 9.15
Area : 702
Amount: 0.684278

Manual Int. Results
---

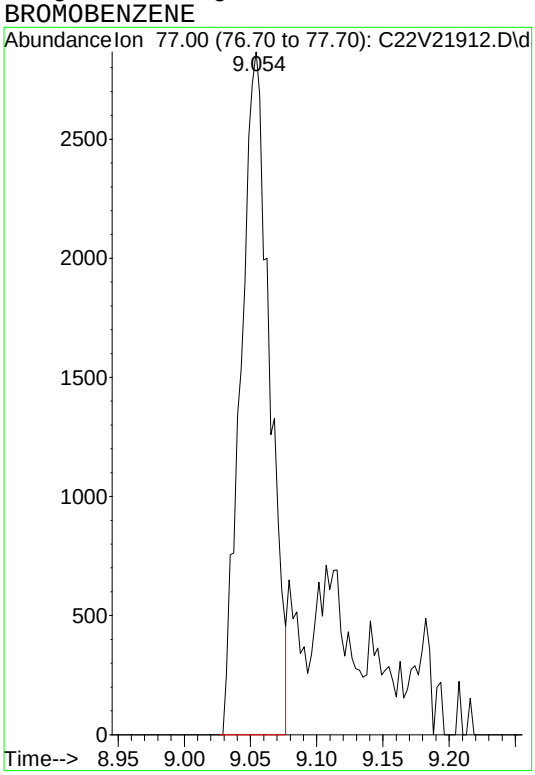
Mon Aug 08 12:19:21 2022

MIuser: EEH
Reason: Other
RT : 9.15
Area : 847
Amount: 0.825617

Manual Integration
1,4-DICHLORO-2-BUTENE(TRANS)




Original Integration
BROMOBENZENE




Original Int. Results
---

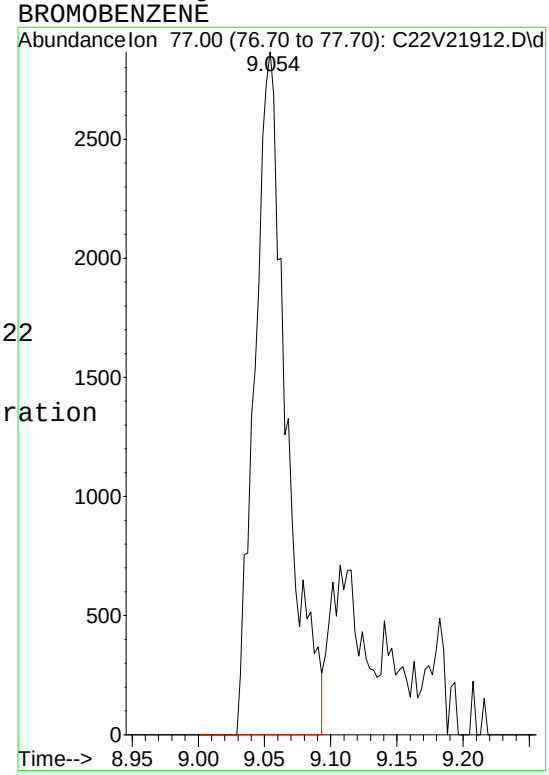
RT : 9.05
Area : 4329
Amount: 0.88539

Manual Int. Results
---

Mon Aug 08 12:19:25 2022

MIuser: EEH
Reason: Incorret Integration
RT : 9.05
Area : 4767
Amount: 0.974972

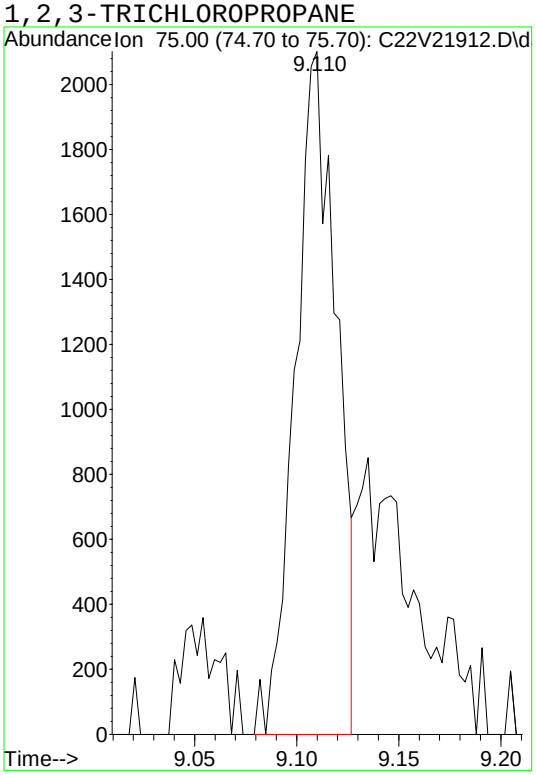
Manual Integration
BROMOBENZENE



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




Original Int. Results
---

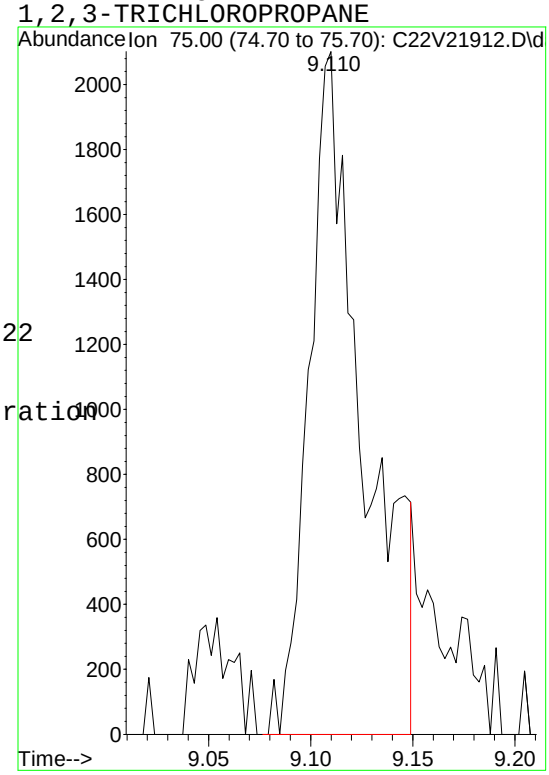
RT : 9.11
Area : 2949
Amount: 0.869142

Manual Int. Results
---

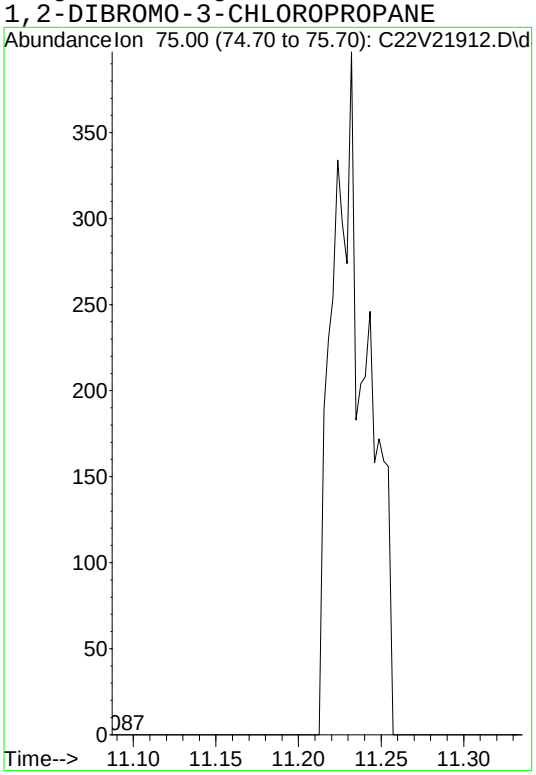
Mon Aug 08 12:19:29 2022

MIuser: EEH
Reason: Incorret Integration
RT : 9.11
Area : 3907
Amount: 1.15149

Manual Integration
1,2,3-TRICHLOROPROPANE




Original Integration
1,2-DIBROMO-3-CHLOROPROPANE




Original Int. Results
---

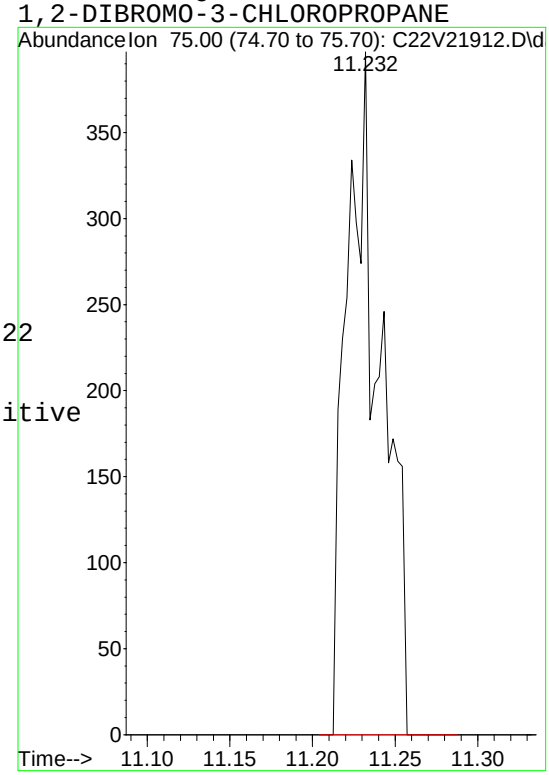
RT : 0.00
Area : 0
Amount: 0

Manual Int. Results
---

Mon Aug 08 12:19:39 2022

MIuser: EEH
Reason: Qdel False Positive
RT : 11.23
Area : 579
Amount: 0.806502

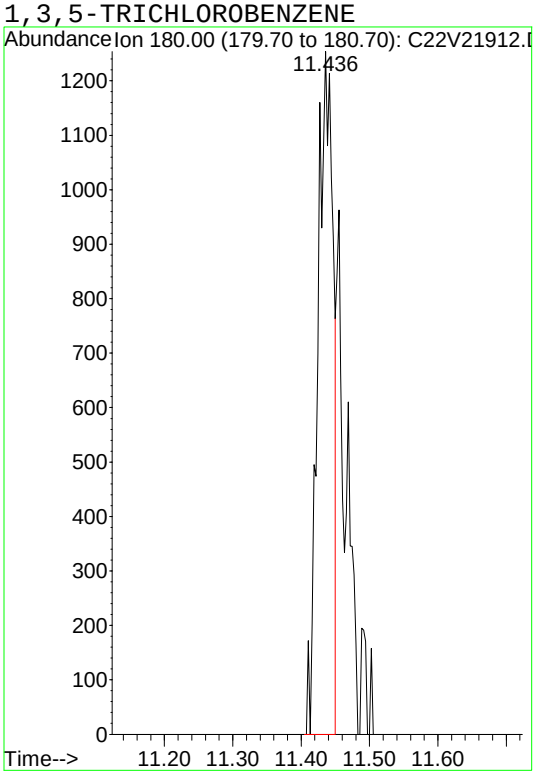
Manual Integration
1,2-DIBROMO-3-CHLOROPROPANE



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
---

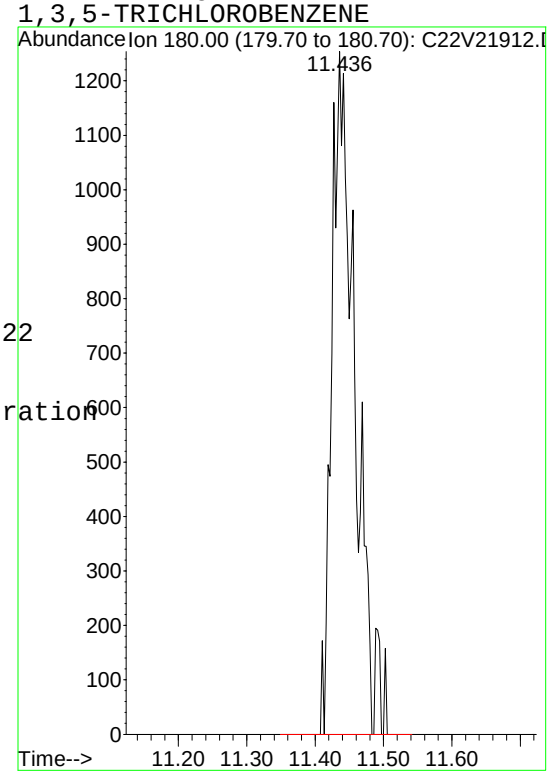
RT : 11.44
Area : 1920
Amount: 0.538942

Manual Int. Results
---

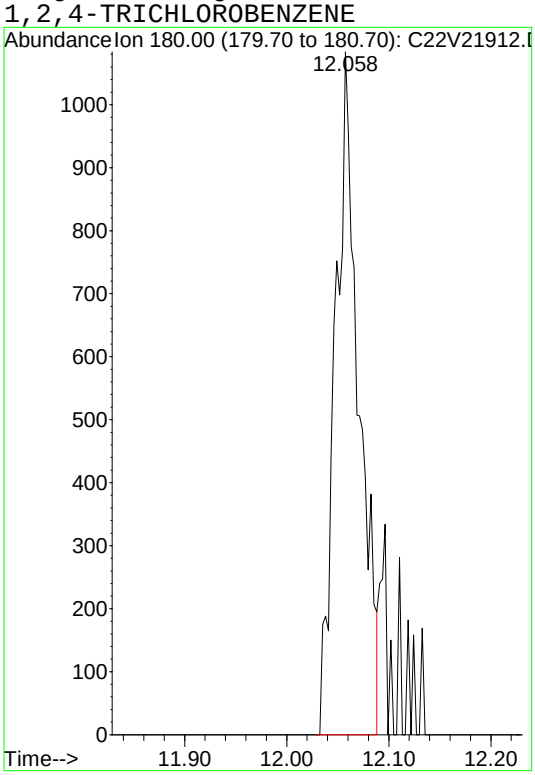
Mon Aug 08 12:19:42 2022

MIuser: EEH
Reason: Incorret Integration
RT : 11.44
Area : 2944
Amount: 0.826378

Manual Integration
1,3,5-TRICHLOROBENZENE




Original Integration
1,2,4-TRICHLOROBENZENE




Original Int. Results
---

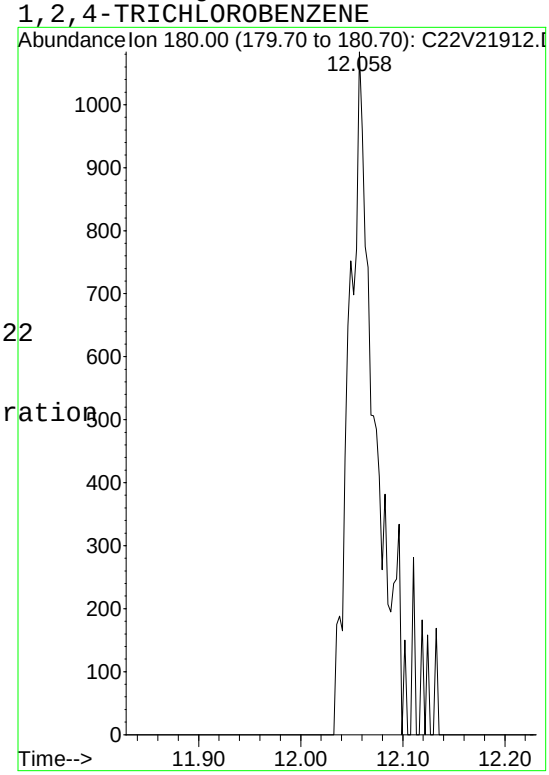
RT : 12.06
Area : 1731
Amount: 0.515846

Manual Int. Results
---

Mon Aug 08 12:19:44 2022

MIuser: EEH
Reason: Incorret Integration
RT : 12.06
Area : 2026
Amount: 0.603758

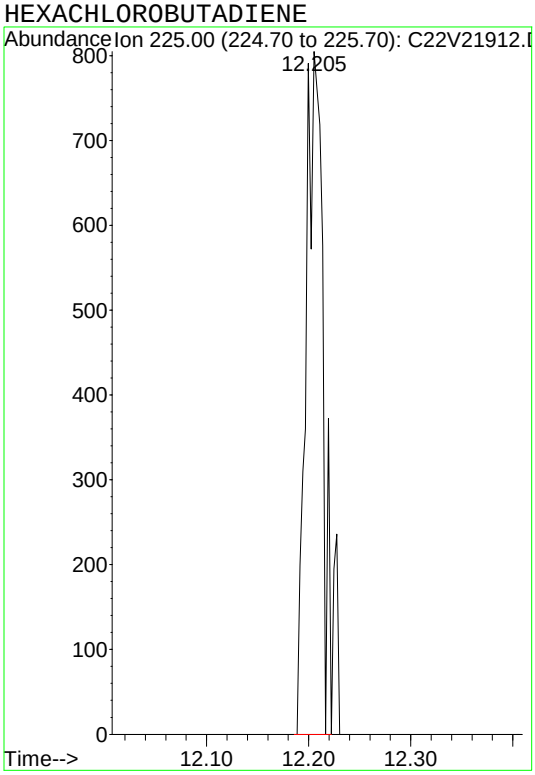
Manual Integration
1,2,4-TRICHLOROBENZENE



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
---

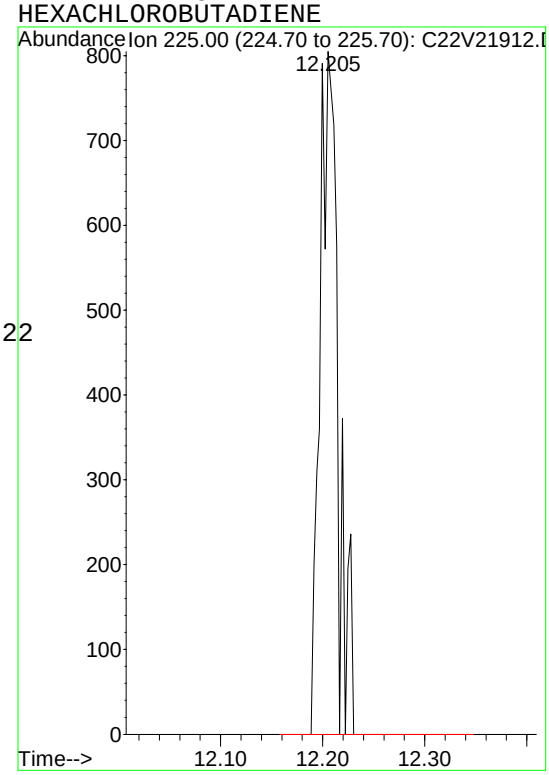
RT : 12.21
Area : 914
Amount: 0.715228

Manual Int. Results
---

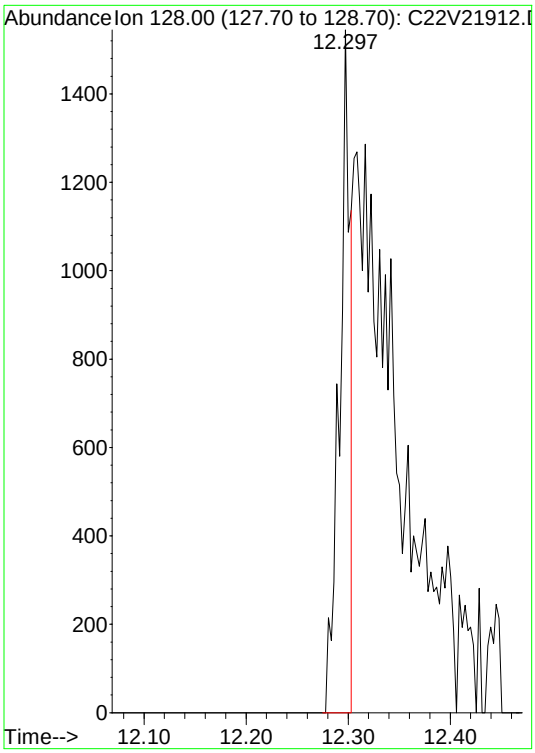
Mon Aug 08 12:19:47 2022

MIuser: EEH
Reason: Other
RT : 12.21
Area : 987
Amount: 0.772352

Manual Integration
HEXACHLOROBUTADIENE




Original Integration
NAPHTHALENE




Original Int. Results
---

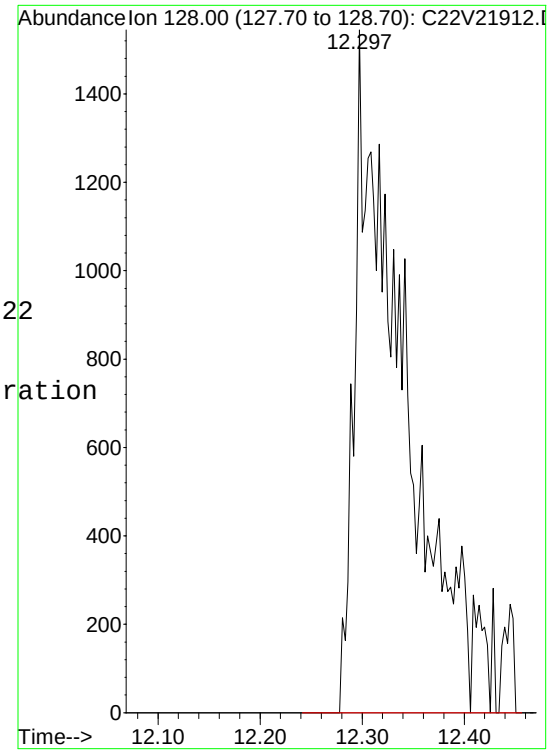
RT : 12.30
Area : 1117
Amount: 0.111355

Manual Int. Results
---

Mon Aug 08 12:19:50 2022

MIuser: EEH
Reason: Incorret Integration
RT : 12.30
Area : 5327
Amount: 0.531057

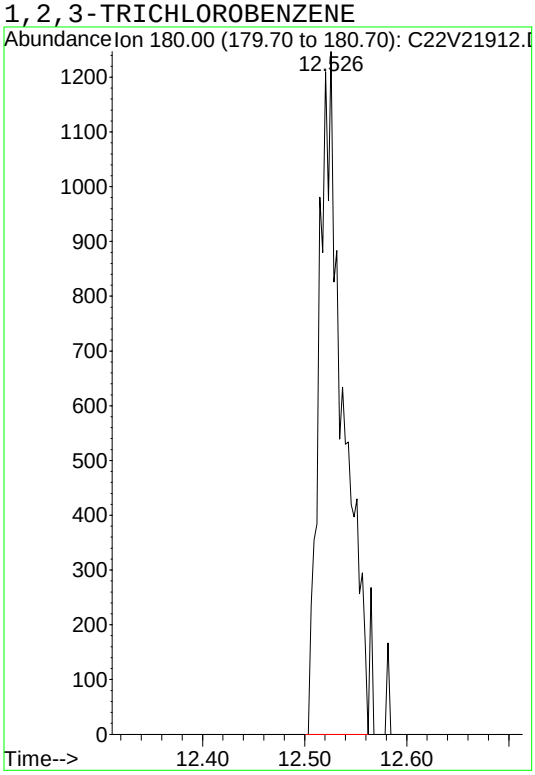
Manual Integration
NAPHTHALENE



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




Original Int. Results
---

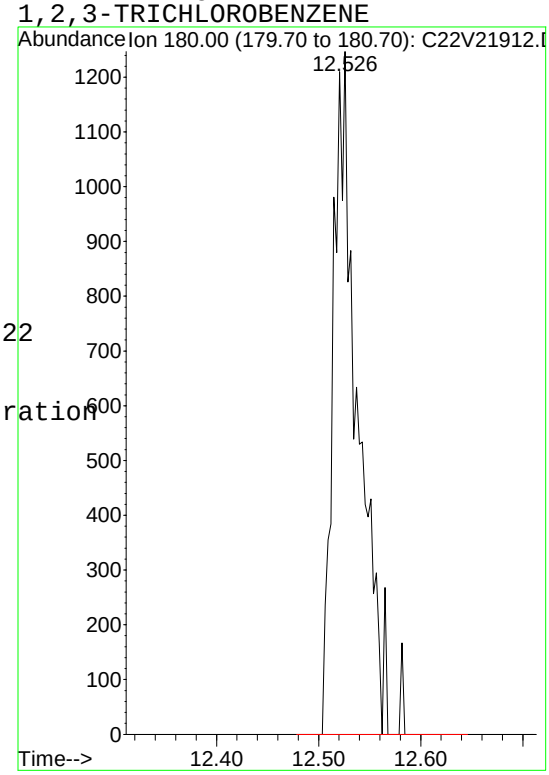
RT : 12.53
Area : 2038
Amount: 0.61146

Manual Int. Results
---

Mon Aug 08 12:19:52 2022

MIuser: EEH
Reason: Incorret Integration
RT : 12.53
Area : 2110
Amount: 0.633062

Manual Integration
1,2,3-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 Inst : GCMSVOA3
Misc :
ALS Vial : 13 Sample Multiplier: 1



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-AMYLMETHYL 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 Inst : GCMSVOA3
Misc :
ALS Vial : 13 Sample Multiplier: 1



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

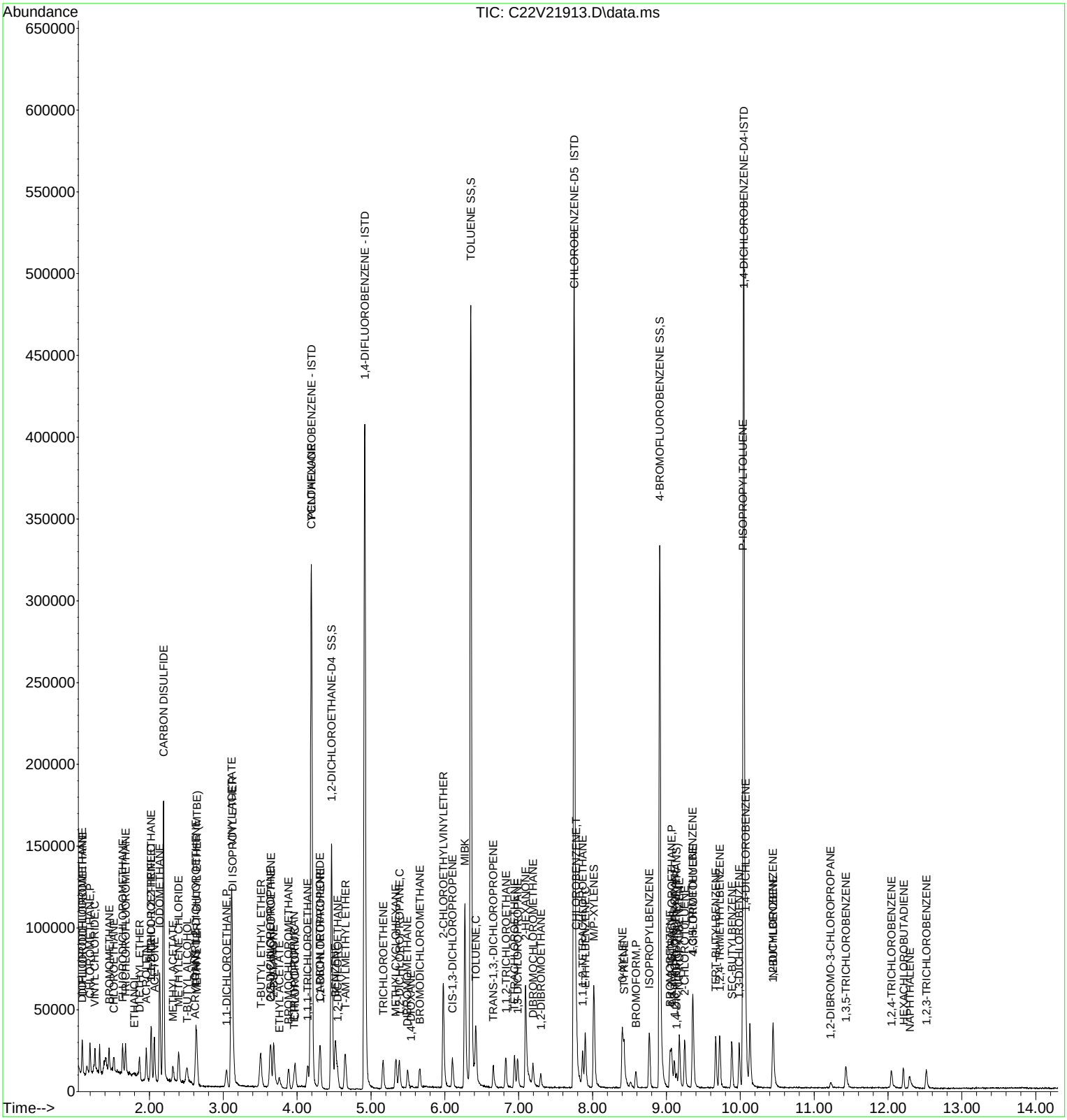
| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 54) DIBROMOMETHANE | 5.493 | 93 | 3526 | 1.92 | UG/L | | 96 |
| 56) 1,4-DIOXANE | 5.541 | 88 | 722m | 16.61 | UG/L | | |
| 57) BROMODICHLOROMETHANE | 5.660 | 83 | 7232 | 2.04 | UG/L | # | 97 |
| 58) 2-CHLOROETHYLVINYLETHER | 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) 0-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-CHLOROT0LUENE | 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

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 Inst : GCMSVOA3
Misc :
ALS Vial : 13 Sample Multiplier: 1



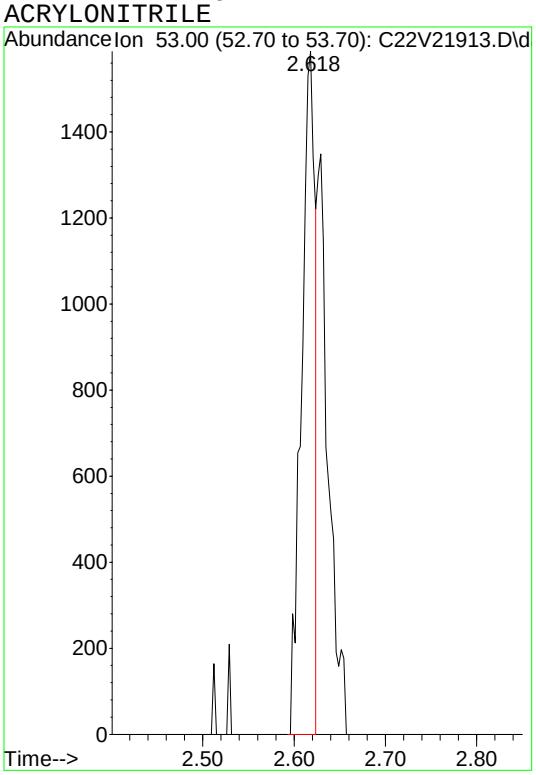
Quant Time: Aug 08 12:21:53 2022
Quant Method : C:\msdchem\1\methods\C051619.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
QLast Update : Mon Aug 08 11:15:01 2022
Response via : Initial Calibration



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
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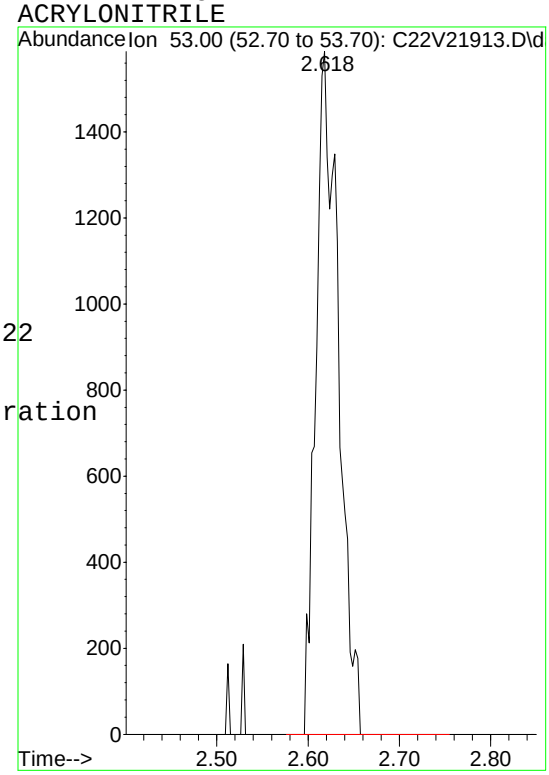
RT : 2.62
Area : 1616
Amount: 1.02042

Manual Int. Results
---

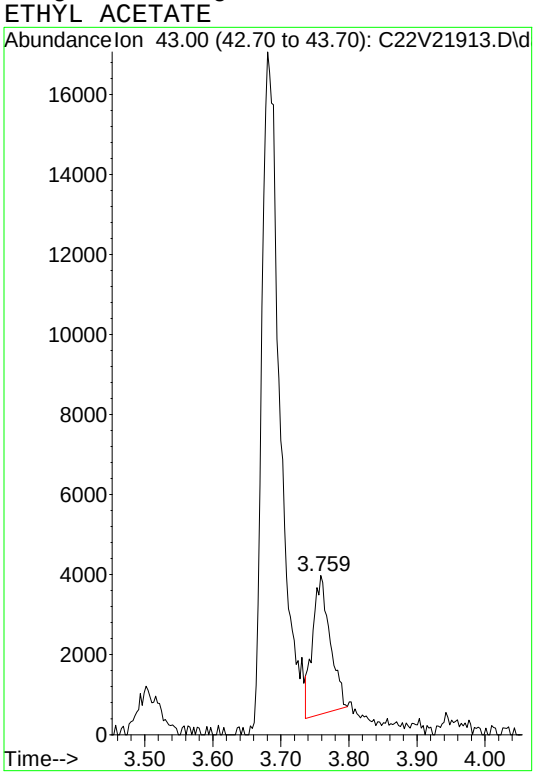
Mon Aug 08 12:20:30 2022

MIuser: EEH
Reason: Incorret Integration
RT : 2.62
Area : 2743
Amount: 1.73207

Manual Integration
ACRYLONITRILE




Original Integration
ETHYL ACETATE




Original Int. Results
---

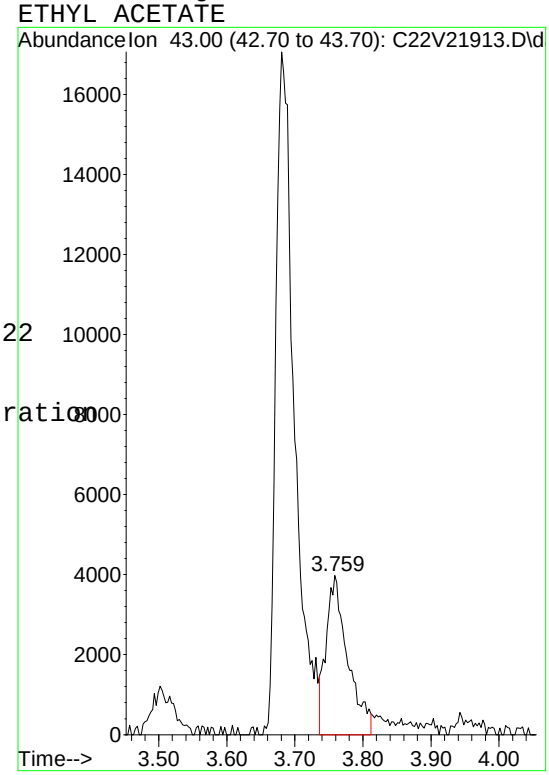
RT : 3.76
Area : 6159
Amount: 1.41543

Manual Int. Results
---

Mon Aug 08 12:20:43 2022

MIuser: EEH
Reason: Incorret Integration
RT : 3.76
Area : 8738
Amount: 2.00812

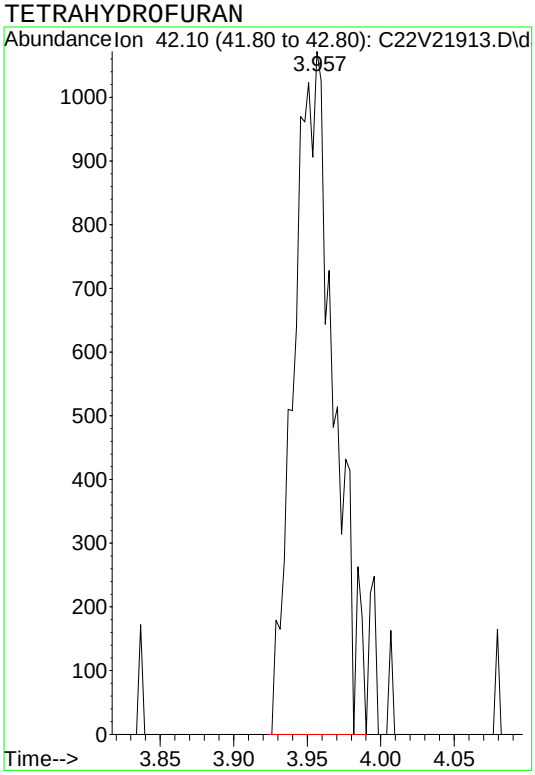
Manual Integration
ETHYL ACETATE



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




Original Int. Results
---

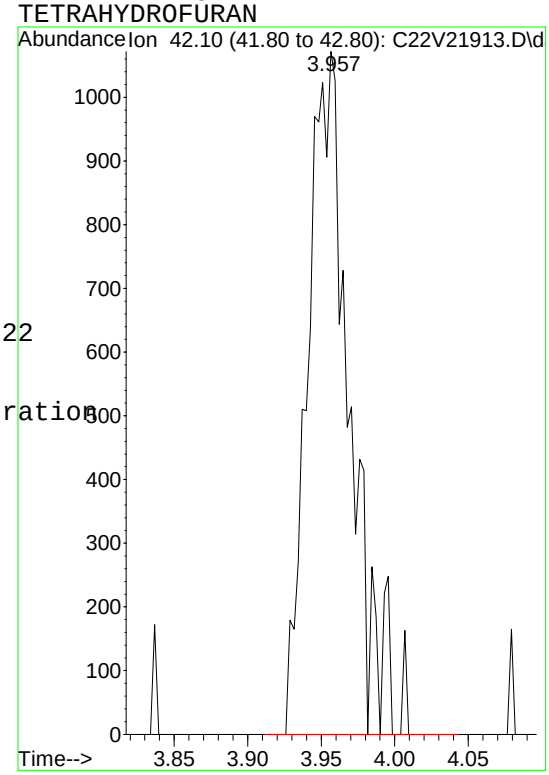
RT : 3.96
Area : 2043
Amount: 1.58851

Manual Int. Results
---

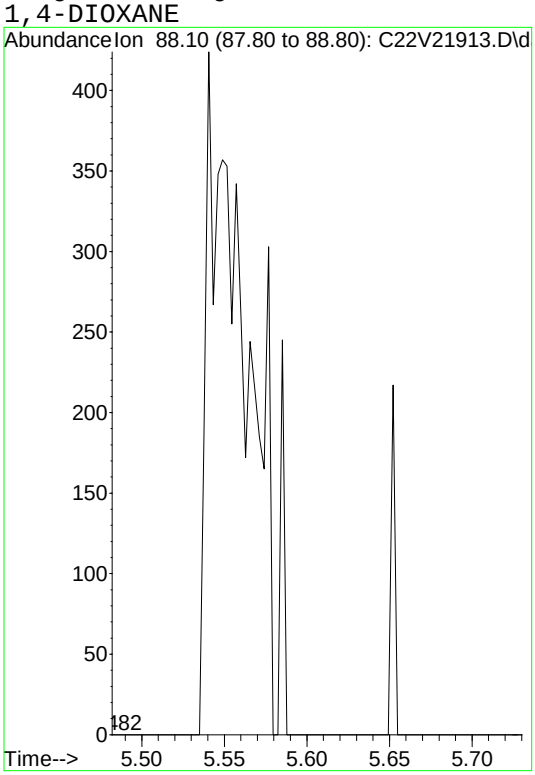
Mon Aug 08 12:20:49 2022

MIuser: EEH
Reason: Incorret Integration
RT : 3.96
Area : 2148
Amount: 1.67015

Manual Integration
TETRAHYDROFURAN




Original Integration
1,4-DIOXANE




Original Int. Results
---

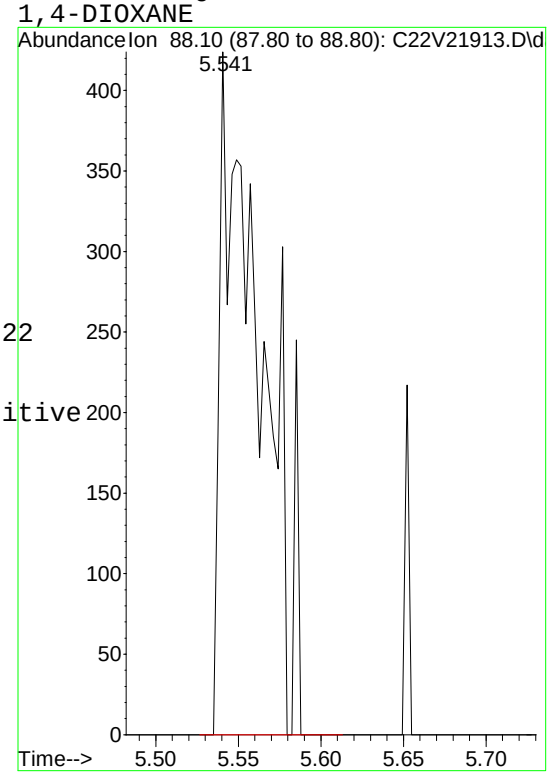
RT : 0.00
Area : 0
Amount: 0

Manual Int. Results
---

Mon Aug 08 12:21:02 2022

MIuser: EEH
Reason: Qdel False Positive
RT : 5.54
Area : 722
Amount: 16.6073

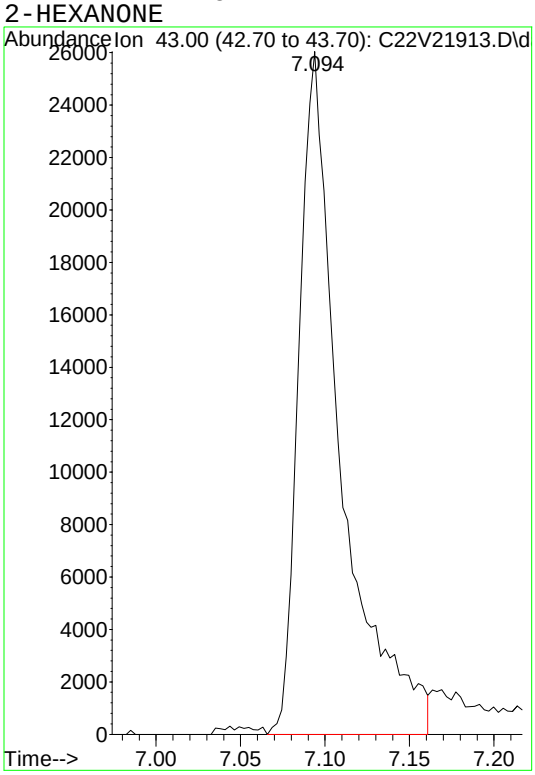
Manual Integration
1,4-DIOXANE



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
---

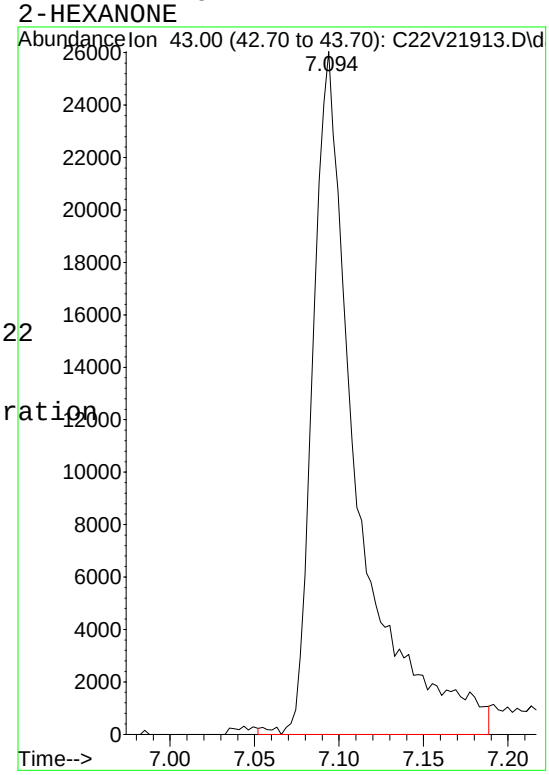
RT : 7.09
Area : 44841
Amount: 14.2963

Manual Int. Results
---

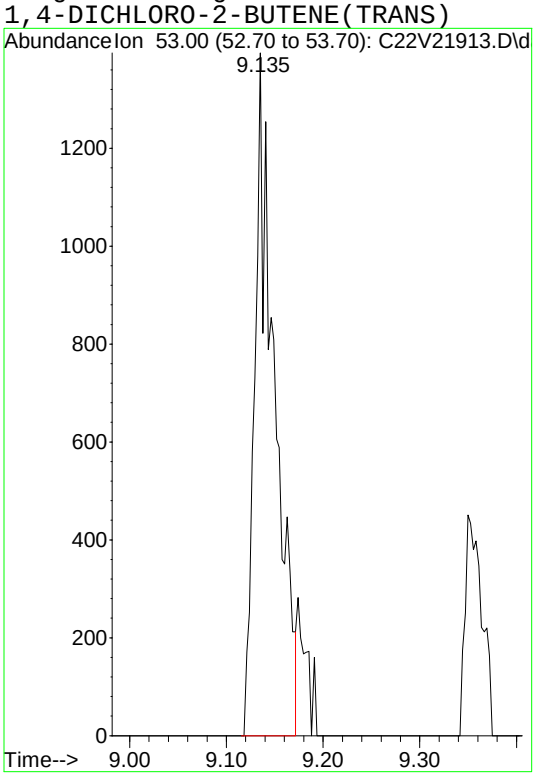
Mon Aug 08 12:21:11 2022

MIuser: EEH
Reason: Incorret Integration
RT : 7.09
Area : 47327
Amount: 15.0889

Manual Integration
2-HEXANONE




Original Integration
1,4-DICHLORO-2-BUTENE(TRANS)




Original Int. Results
---

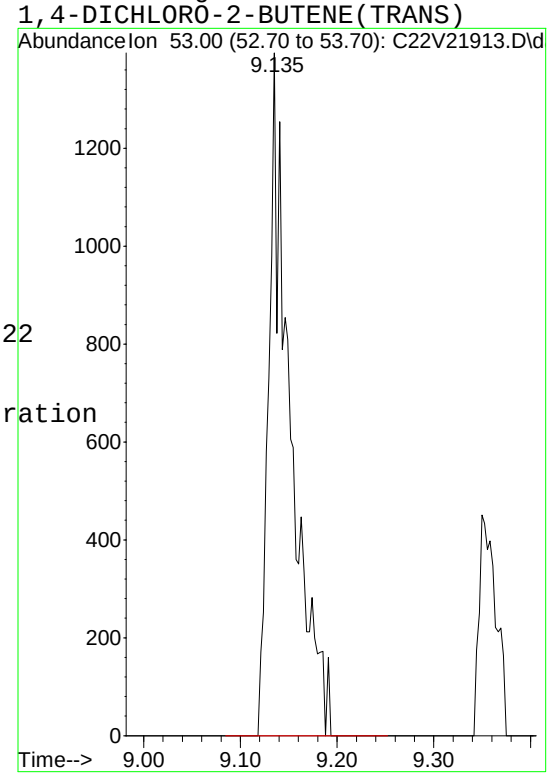
RT : 9.14
Area : 1965
Amount: 1.91798

Manual Int. Results
---

Mon Aug 08 12:21:24 2022

MIuser: EEH
Reason: Incorret Integration
RT : 9.14
Area : 2158
Amount: 2.10636

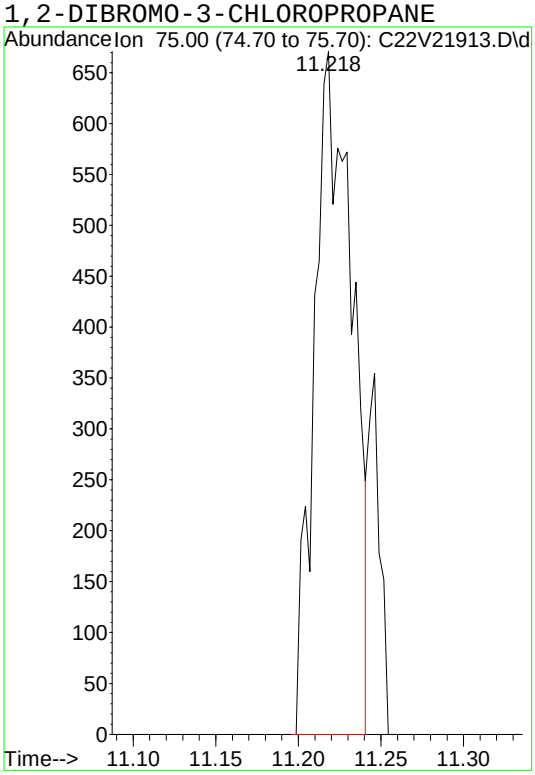
Manual Integration
1,4-DICHLORO-2-BUTENE(TRANS)



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
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RT : 11.22
Area : 1074
Amount: 1.47451

Manual Int. Results
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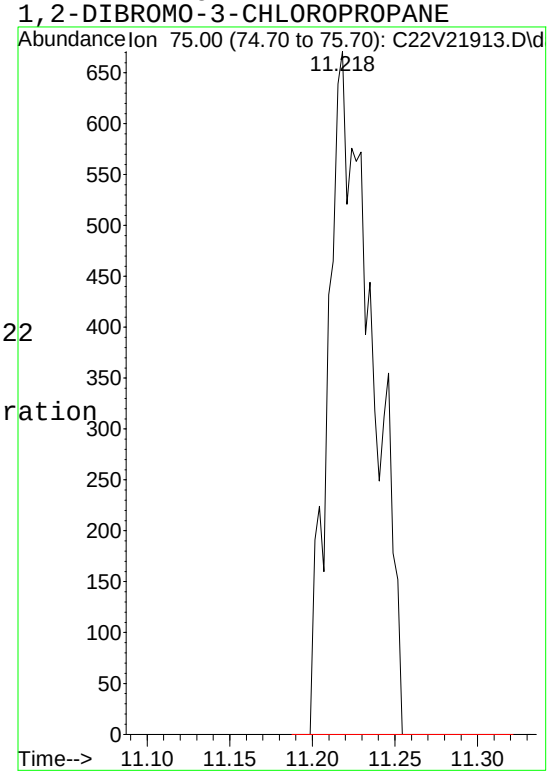
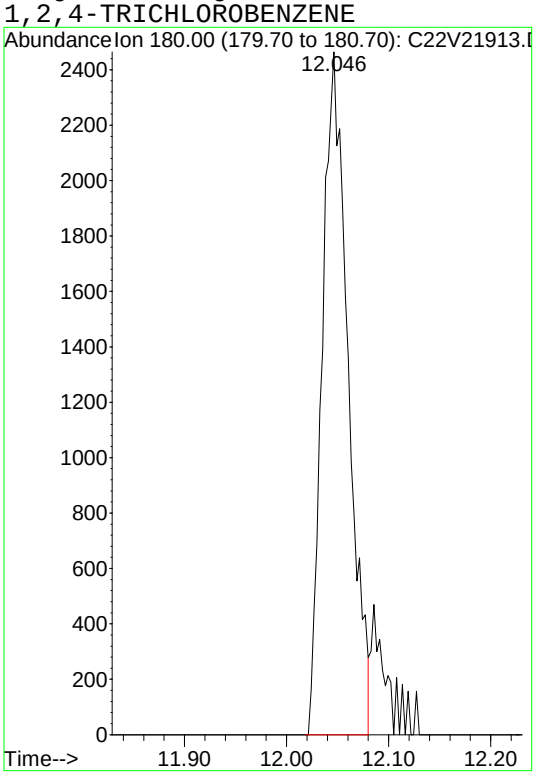
Mon Aug 08 12:21:40 2022

MIuser: EEH
Reason: Incorret 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
---

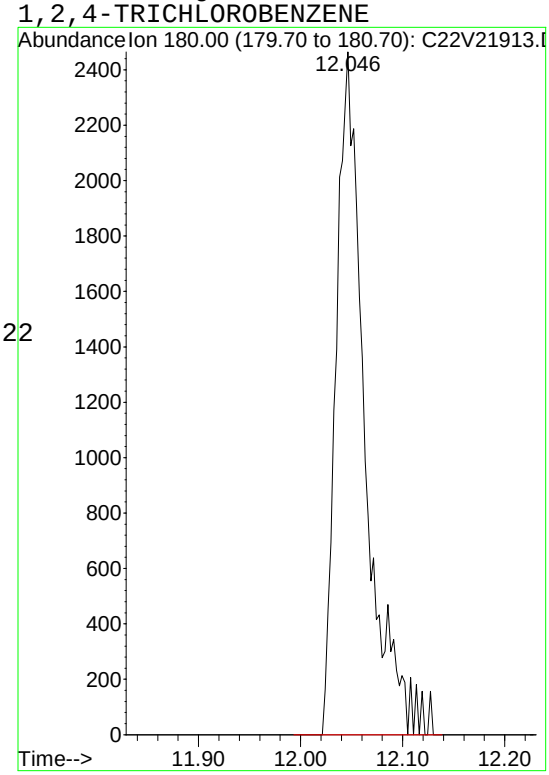
RT : 12.05
Area : 4344
Amount: 1.27594

Manual Int. Results
---

Mon Aug 08 12:21:45 2022

MIuser: EEH
Reason: Other
RT : 12.05
Area : 4834
Amount: 1.41986

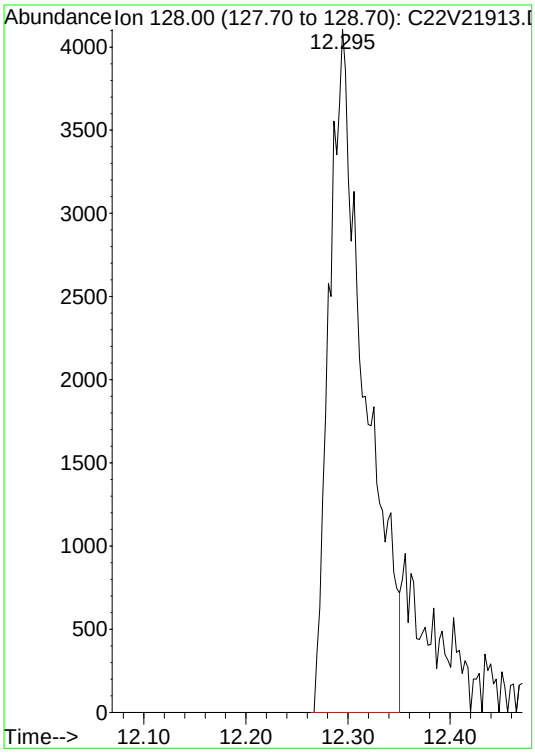
Manual Integration
1,2,4-TRICHLOROBENZENE



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




Original Int. Results
---

RT : 12.29
Area : 10064
Amount: 0.988884

Manual Int. Results
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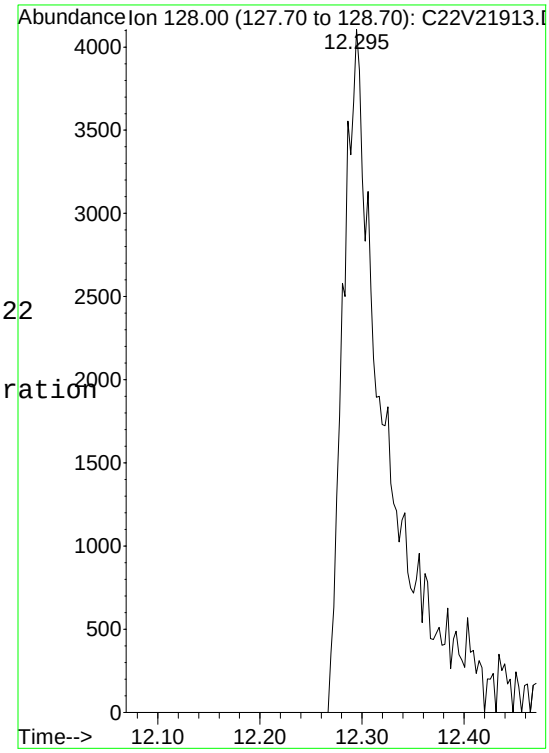
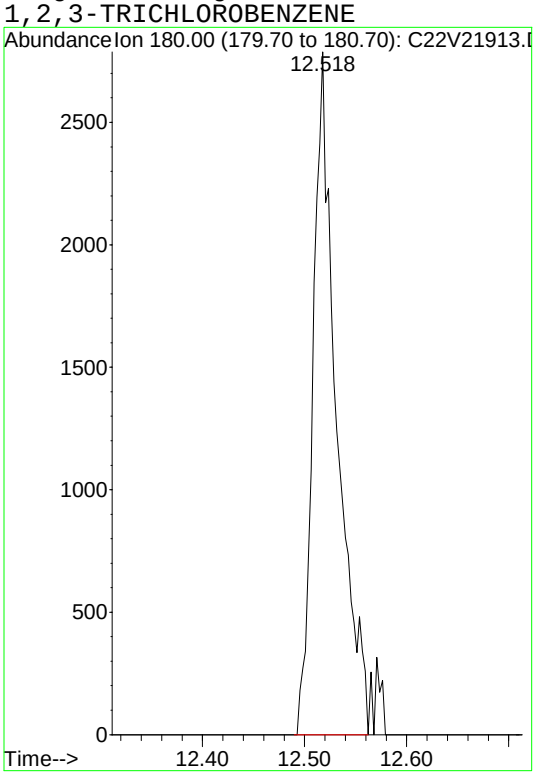
Mon Aug 08 12:21:50 2022

MIuser: EEH
Reason: Incorret Integration
RT : 12.29
Area : 12651
Amount: 1.24308

Manual Integration
NAPHTHALENE




Original Integration
1,2,3-TRICHLOROBENZENE




Original Int. Results
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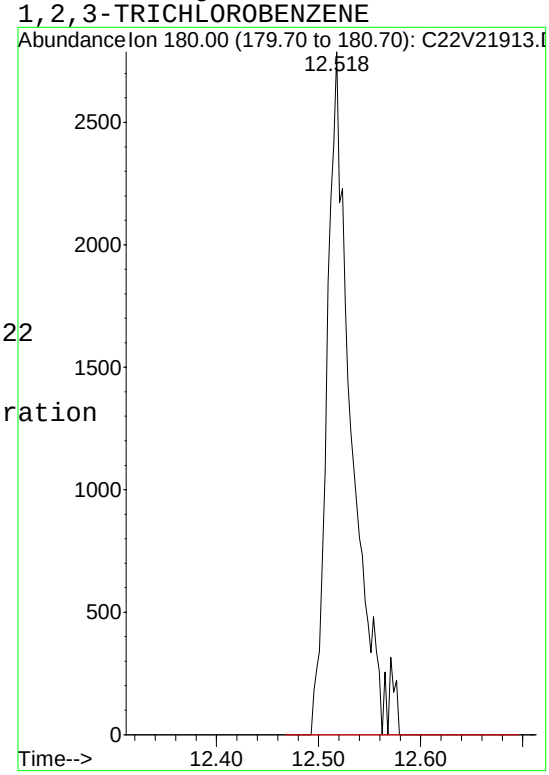
RT : 12.52
Area : 4460
Amount: 1.31891

Manual Int. Results
---

Mon Aug 08 12:21:53 2022

MIuser: EEH
Reason: Incorret Integration
RT : 12.52
Area : 4622
Amount: 1.36682

Manual Integration
1,2,3-TRICHLOROBENZENE



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 Inst : GCMSVOA3
Misc :
ALS Vial : 14 Sample Multiplier: 1



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-AMYLMETHYL 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 Inst : GCMSVOA3
Misc :
ALS Vial : 14 Sample Multiplier: 1



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

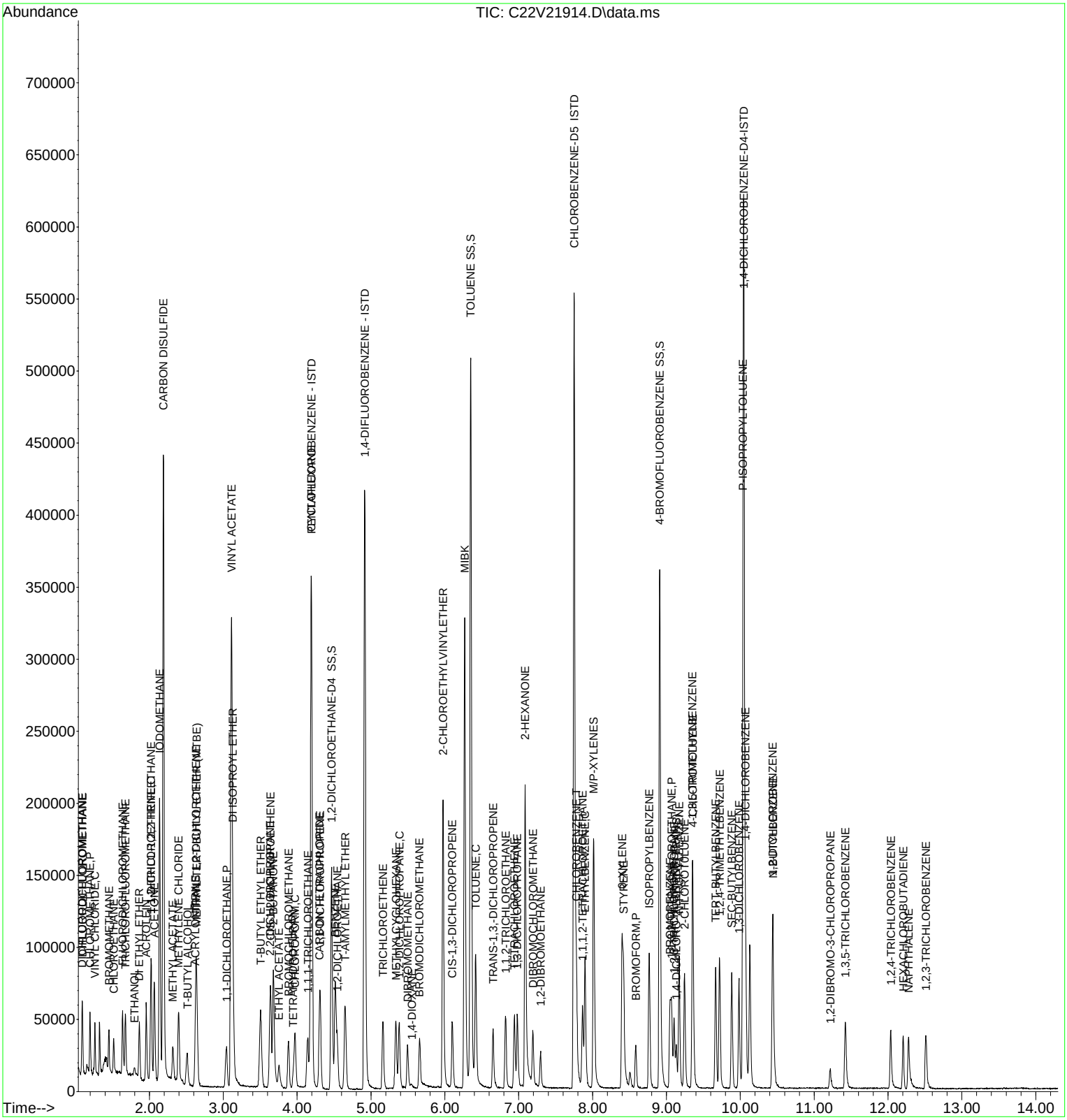
| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 54) DIBROMOMETHANE | 5.499 | 93 | 9766 | 5.15 | UG/L | | 93 |
| 56) 1,4-DIOXANE | 5.552 | 88 | 2162m | 48.32 | UG/L | | |
| 57) BROMODICHLOROMETHANE | 5.655 | 83 | 19440 | 5.33 | UG/L | | 98 |
| 58) 2-CHLOROETHYLVINYLETHER | 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) 0-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-CHLOROT0LUENE | 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 Inst : GCMSVOA3
Misc :
ALS Vial : 14 Sample Multiplier: 1



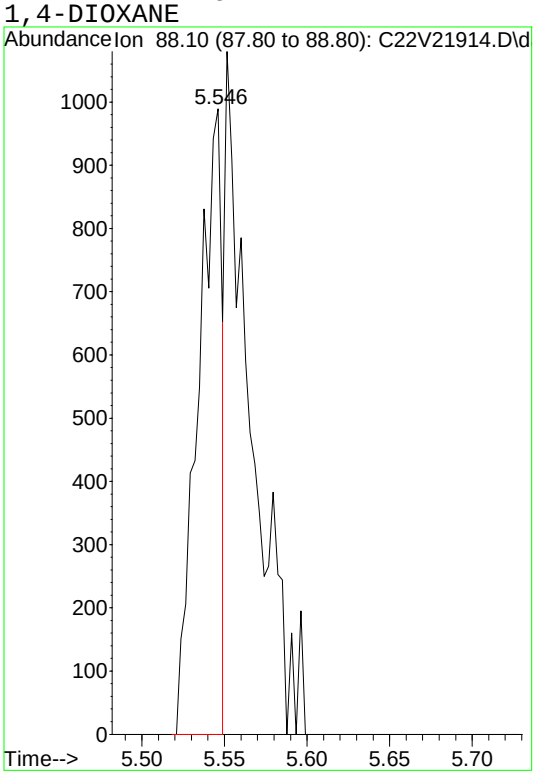
Quant Time: Aug 08 13:48:54 2022
Quant Method : C:\msdchem\1\methods\C051619.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
QLast Update : Mon Aug 08 11:15:01 2022
Response via : Initial Calibration



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




Original Int. Results
---

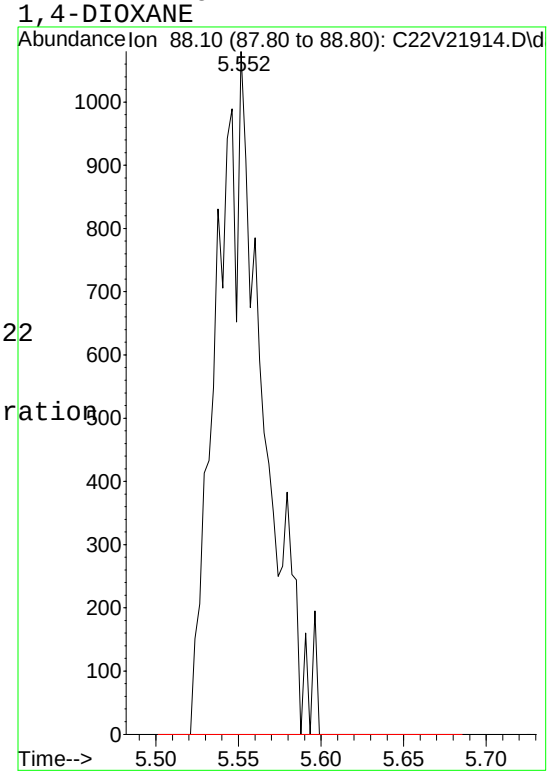
RT : 5.55
Area : 983
Amount: 21.9689

Manual Int. Results
---

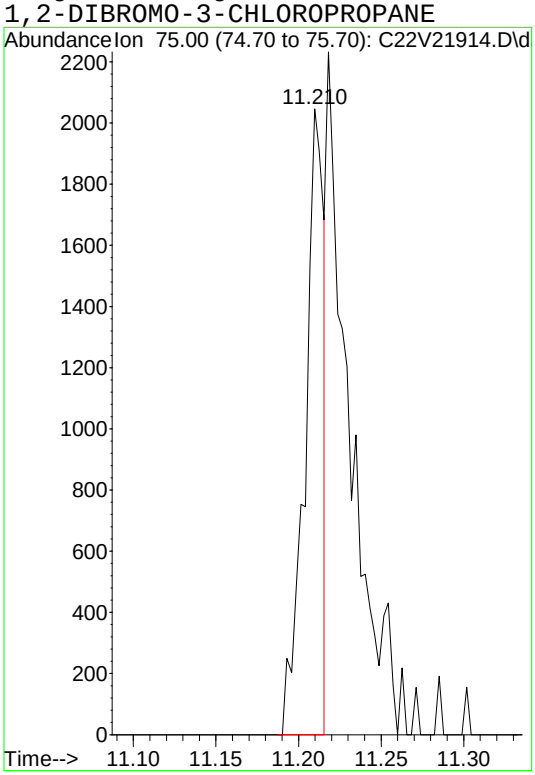
Mon Aug 08 13:48:09 2022

MIuser: EEH
Reason: Incorret Integration
RT : 5.55
Area : 2162
Amount: 48.3181

Manual Integration
1,4-DIOXANE




Original Integration
1,2-DIBROMO-3-CHLOROPROPANE




Original Int. Results
---

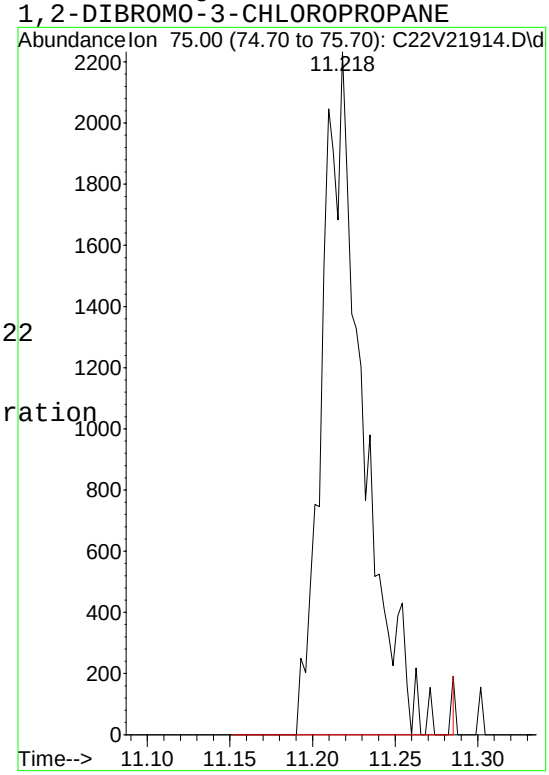
RT : 11.21
Area : 1606
Amount: 2.09844

Manual Int. Results
---

Mon Aug 08 13:48:42 2022

MIuser: EEH
Reason: Incorret Integration
RT : 11.22
Area : 3827
Amount: 5.00046

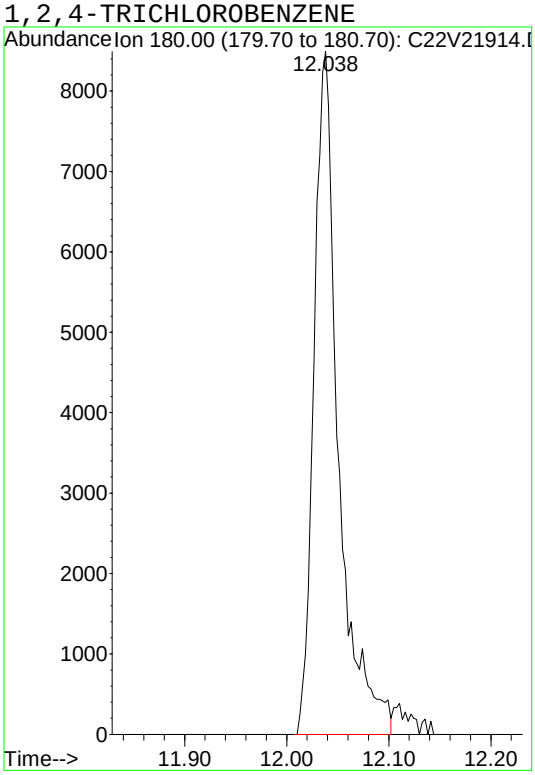
Manual Integration
1,2-DIBROMO-3-CHLOROPROPANE



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




Original Int. Results
---

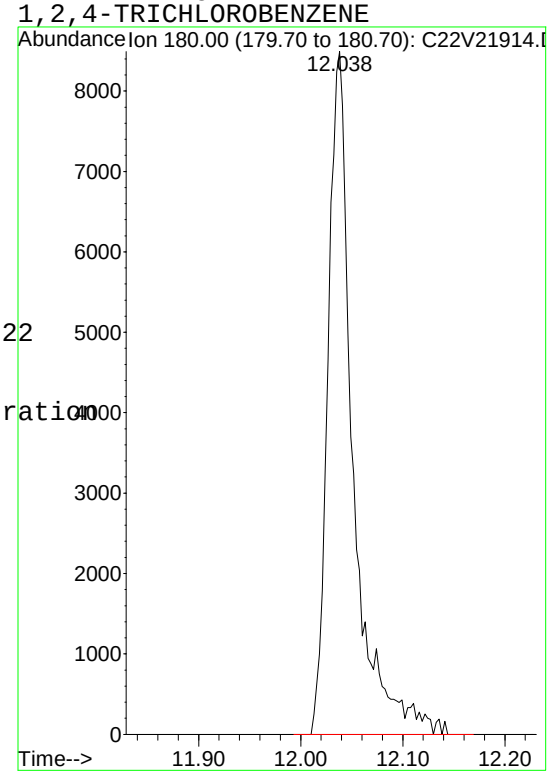
RT : 12.04
Area : 14024
Amount: 3.92031

Manual Int. Results
---

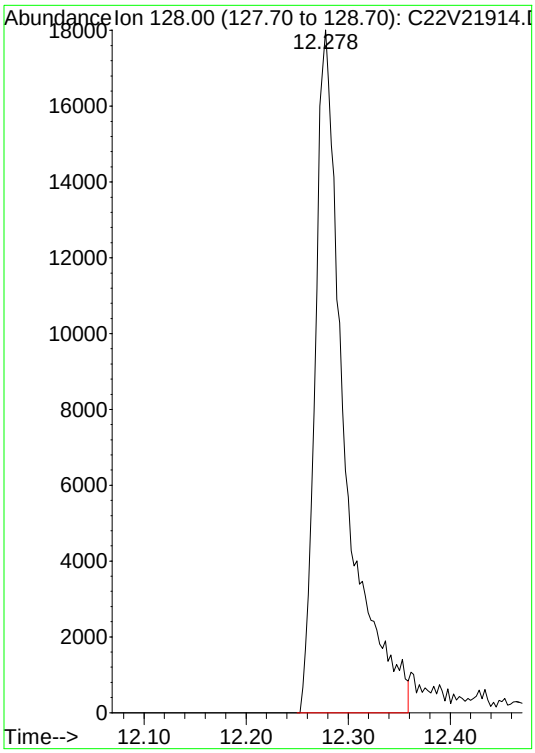
Mon Aug 08 13:48:46 2022

MIuser: EEH
Reason: Incorret Integration
RT : 12.04
Area : 14495
Amount: 4.05197

Manual Integration
1,2,4-TRICHLOROBENZENE




Original Integration
NAPHTHALENE




Original Int. Results
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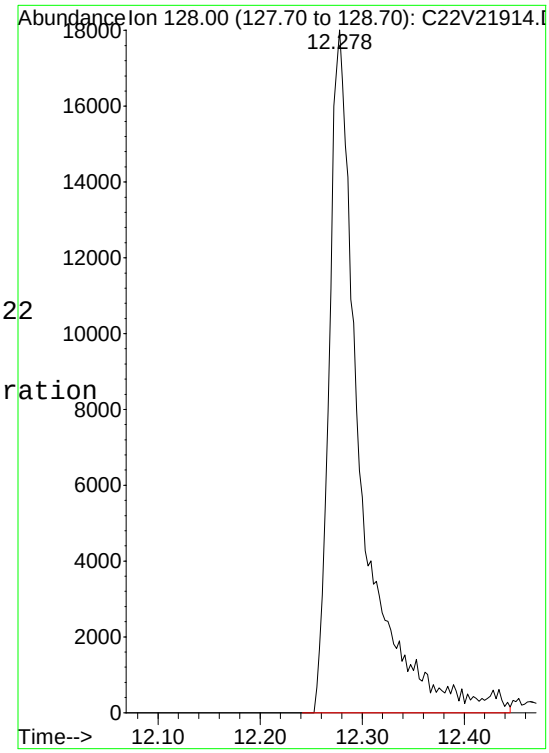
RT : 12.28
Area : 35921
Amount: 3.35917

Manual Int. Results
---

Mon Aug 08 13:48:51 2022

MIuser: EEH
Reason: Incorret Integration
RT : 12.28
Area : 38473
Amount: 3.59782

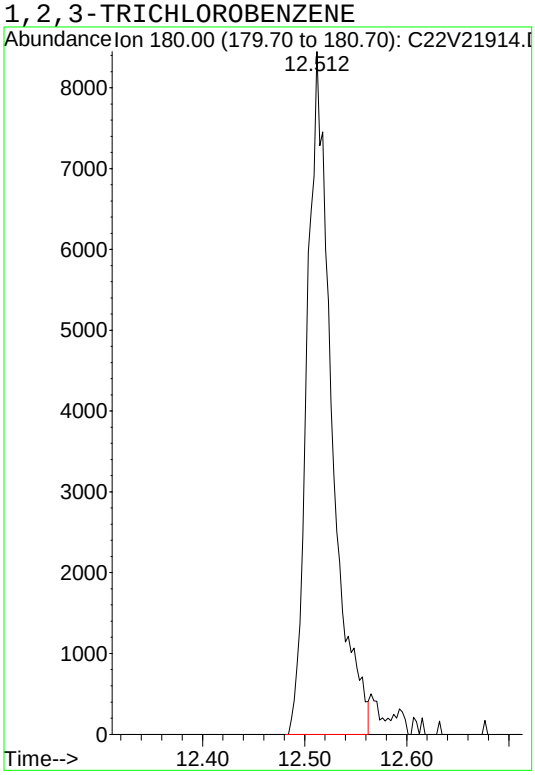
Manual Integration
NAPHTHALENE



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




Original Int. Results
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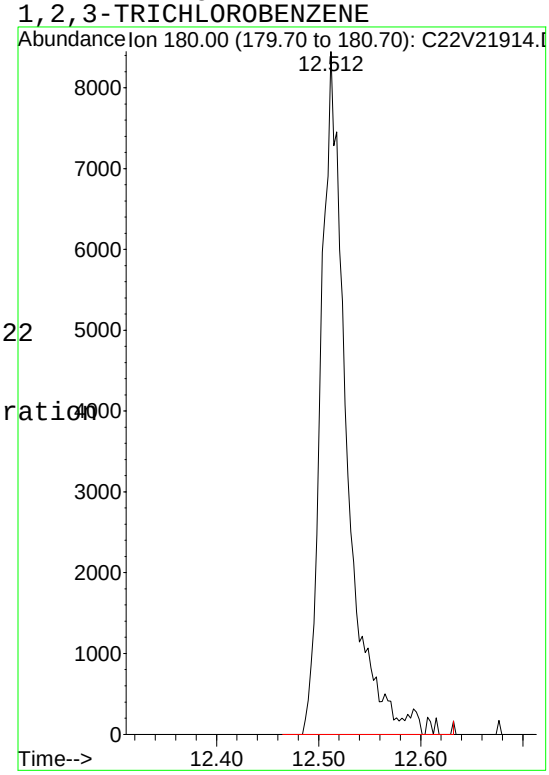
RT : 12.51
Area : 14072
Amount: 3.96045

Manual Int. Results
---

Mon Aug 08 13:48:54 2022

MIuser: EEH
Reason: Incorret Integration
RT : 12.51
Area : 14777
Amount: 4.15886

Manual Integration
1,2,3-TRICHLOROBENZENE



Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21915.D
Acq On : 8 Aug 2022 12:46 pm
Operator :
Sample : 8260STD 10PPB 2206105 Inst : GCMSVOA3
Misc :
ALS Vial : 15 Sample Multiplier: 1

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 | | | | | | | Qvalue |
| 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-AMYLMETHYL 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 Inst : GCMSVOA3
Misc :
ALS Vial : 15 Sample Multiplier: 1



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

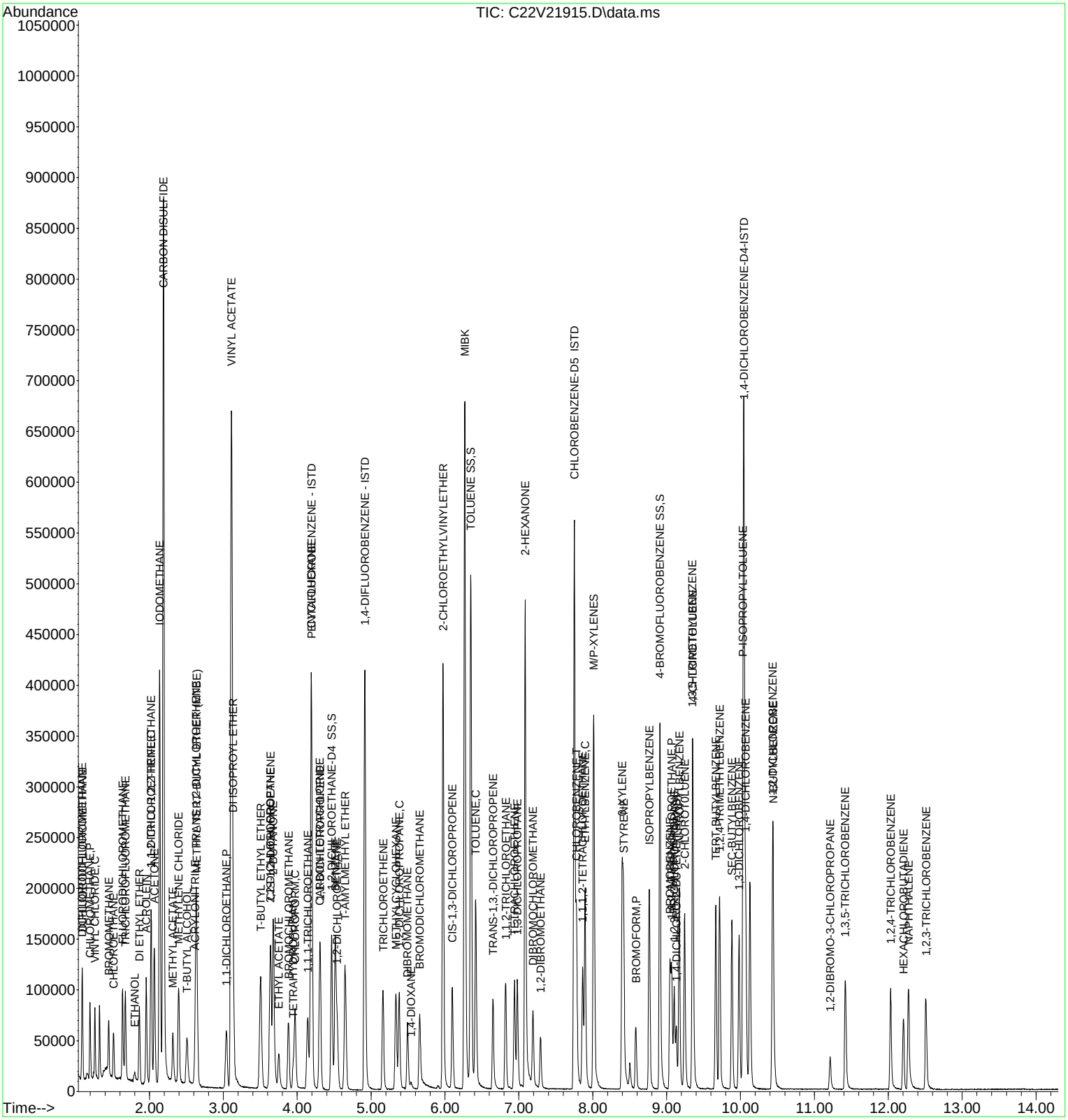
| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 54) DIBROMOMETHANE | 5.493 | 93 | 20571 | 10.94 | UG/L | | 93 |
| 56) 1,4-DIOXANE | 5.540 | 88 | 4230 | 95.23 | UG/L | # | 75 |
| 57) BROMODICHLOROMETHANE | 5.657 | 83 | 39854 | 11.00 | UG/L | | 97 |
| 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) 0-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-CHLOROT0LUENE | 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

Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21915.D
Acq On : 8 Aug 2022 12:46 pm
Operator :
Sample : 8260STD 10PPB 2206105 Inst : GCMSVOA3
Misc :
ALS Vial : 15 Sample Multiplier: 1



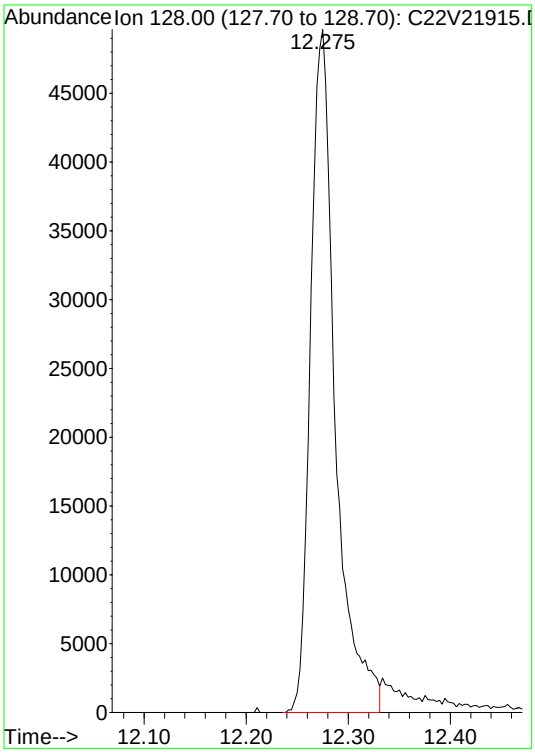
Quant Time: Aug 08 13:57:12 2022
Quant Method : C:\msdchem\1\methods\C051619.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
QLast Update : Mon Aug 08 11:15:01 2022
Response via : Initial Calibration



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




Original Int. Results
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RT : 12.27
Area : 83237
Amount: 7.78165

Manual Int. Results
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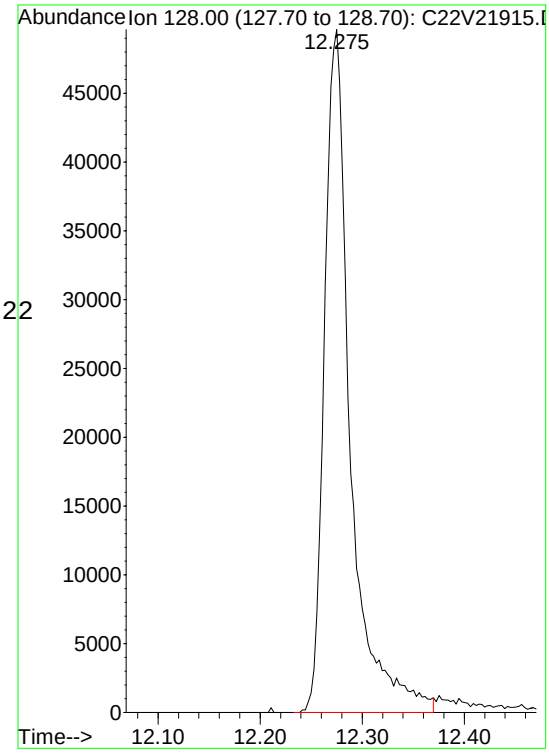
Mon Aug 08 13:57:12 2022

MIuser: EEH
Reason: Other
RT : 12.27
Area : 86722
Amount: 8.10746

Manual Integration
NAPHTHALENE



Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21916.D
Acq On : 8 Aug 2022 1:10 pm
Operator :
Sample : 8260STD 20PPB 2206105 Inst : GCMSVOA3
Misc :
ALS Vial : 16 Sample Multiplier: 1



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 | | | | | | | Qvalue |
| 3) DICHLORODIFLUOROMETHANE | 1.087 | 85 | 61712 | 19.33 | UG/L | | 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-AMYLMETHYL 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 Inst : GCMSVOA3
Misc :
ALS Vial : 16 Sample Multiplier: 1



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

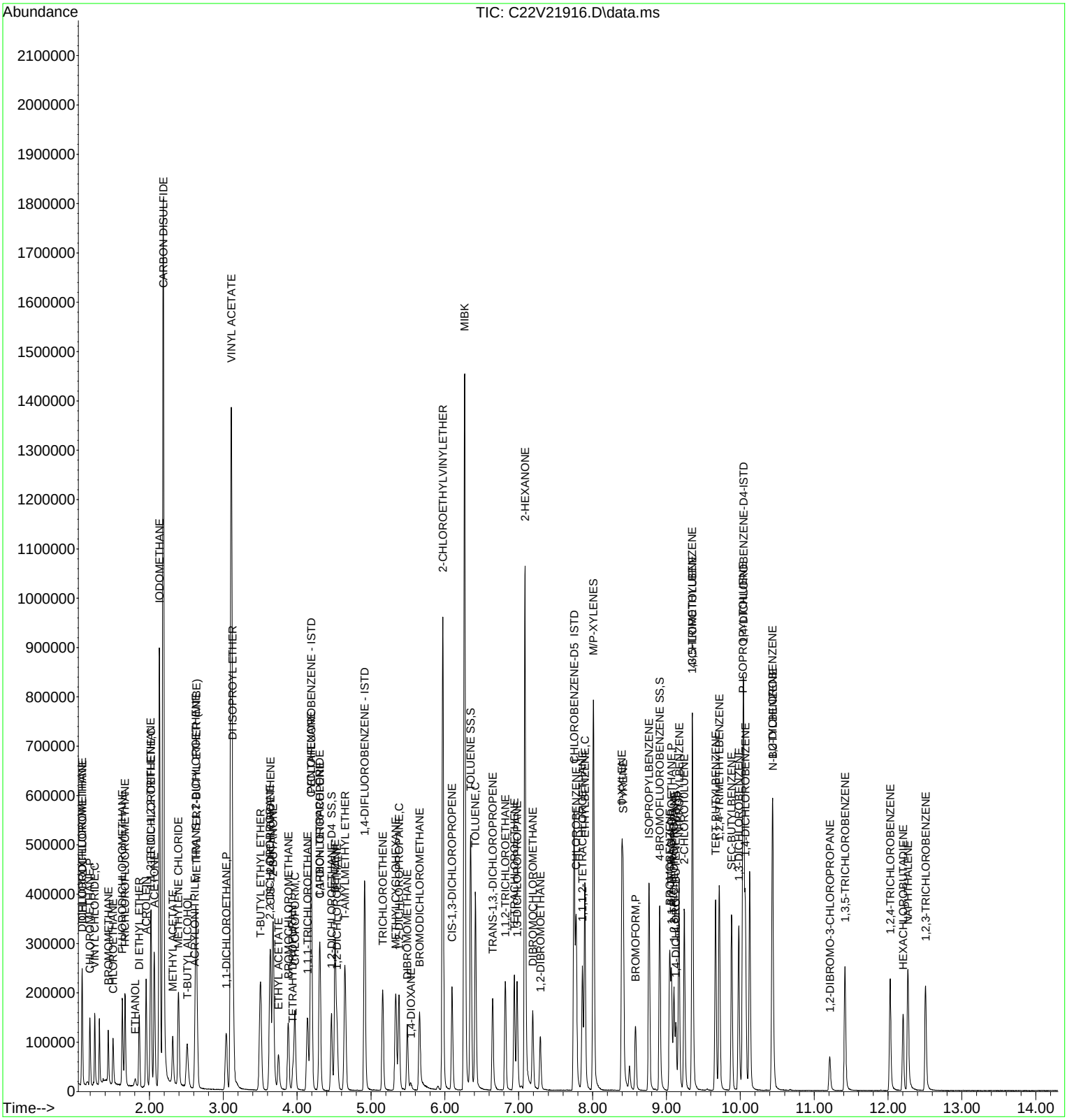
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 54) DIBROMOMETHANE | 5.490 | 93 | 41749 | 22.16 | UG/L | 94 |
| 56) 1,4-DIOXANE | 5.540 | 88 | 9614 | 216.06 | UG/L # | 82 |
| 57) BROMODICHLOROMETHANE | 5.657 | 83 | 82091 | 22.62 | UG/L | 97 |
| 58) 2-CHLOROETHYLVINYLETHER | 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) 0-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-CHLOROT0LUENE | 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

Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21916.D
Acq On : 8 Aug 2022 1:10 pm
Operator :
Sample : 8260STD 20PPB 2206105 Inst : GCMSVOA3
Misc :
ALS Vial : 16 Sample Multiplier: 1



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



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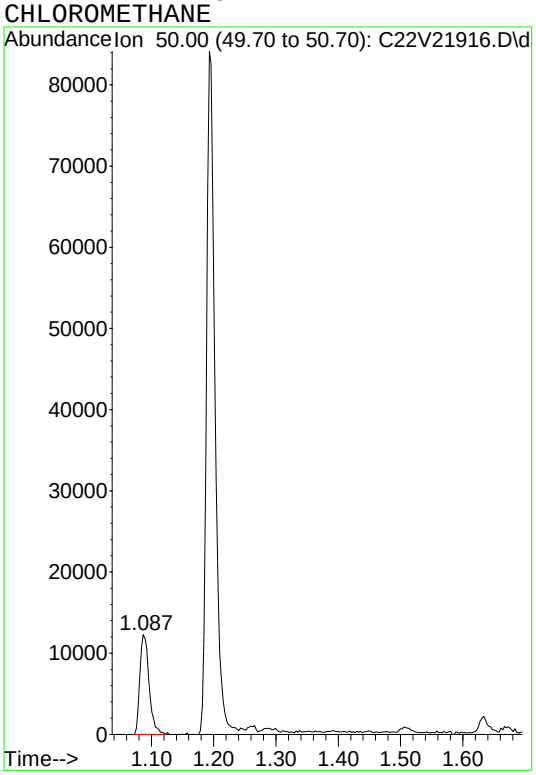
Data File : C22V21916.D
Acq On : 8 Aug 2022 1:10 pm
Operator :
Sample : 8260STD 20PPB 2206105
Misc :

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




Original Int. Results
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RT : 1.09
Area : 12609
Amount: 2.96009

Manual Int. Results
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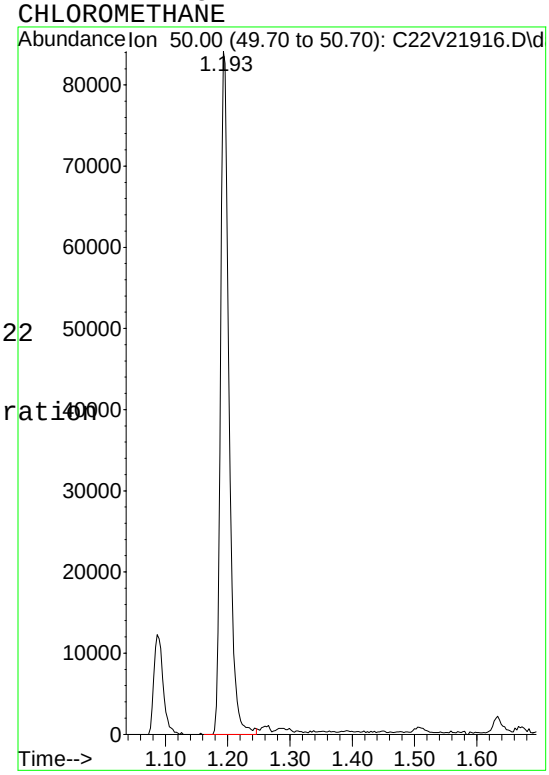
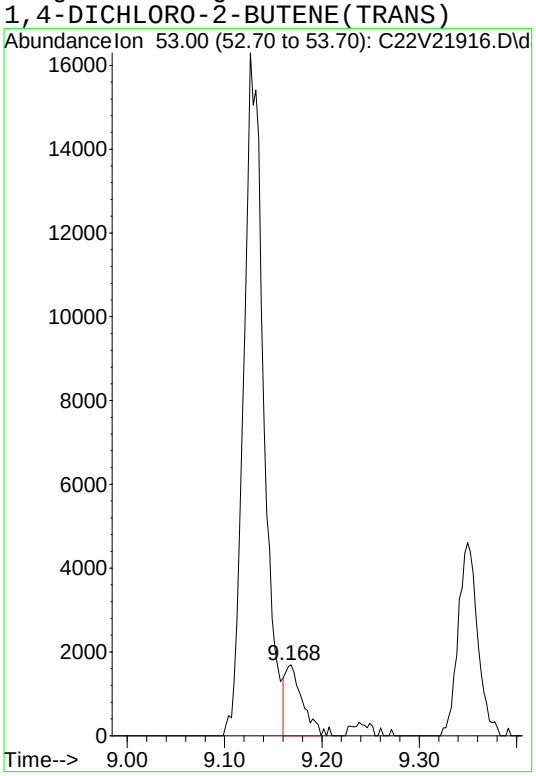
Mon Aug 08 13:57:39 2022

MIuser: EEH
Reason: Incorret Integration
RT : 1.19
Area : 80145
Amount: 18.8148

Manual Integration
CHLOROMETHANE




Original Integration
1,4-DICHLORO-2-BUTENE(TRANS)




Original Int. Results
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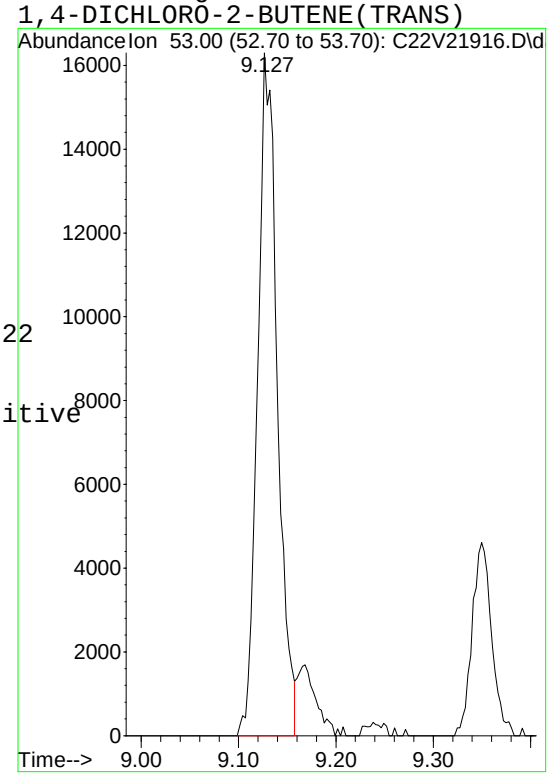
RT : 9.17
Area : 2015
Amount: 1.89949

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)



Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21917.D
Acq On : 8 Aug 2022 1:34 pm
Operator :
Sample : 8260STD 50PPB 2206105 Inst : GCMSVOA3
Misc :
ALS Vial : 17 Sample Multiplier: 1



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 | | | | | | Qvalue |
| 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) ACROLEIN | 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-AMYLMETHYL 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 Inst : GCMSVOA3
Misc :
ALS Vial : 17 Sample Multiplier: 1



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

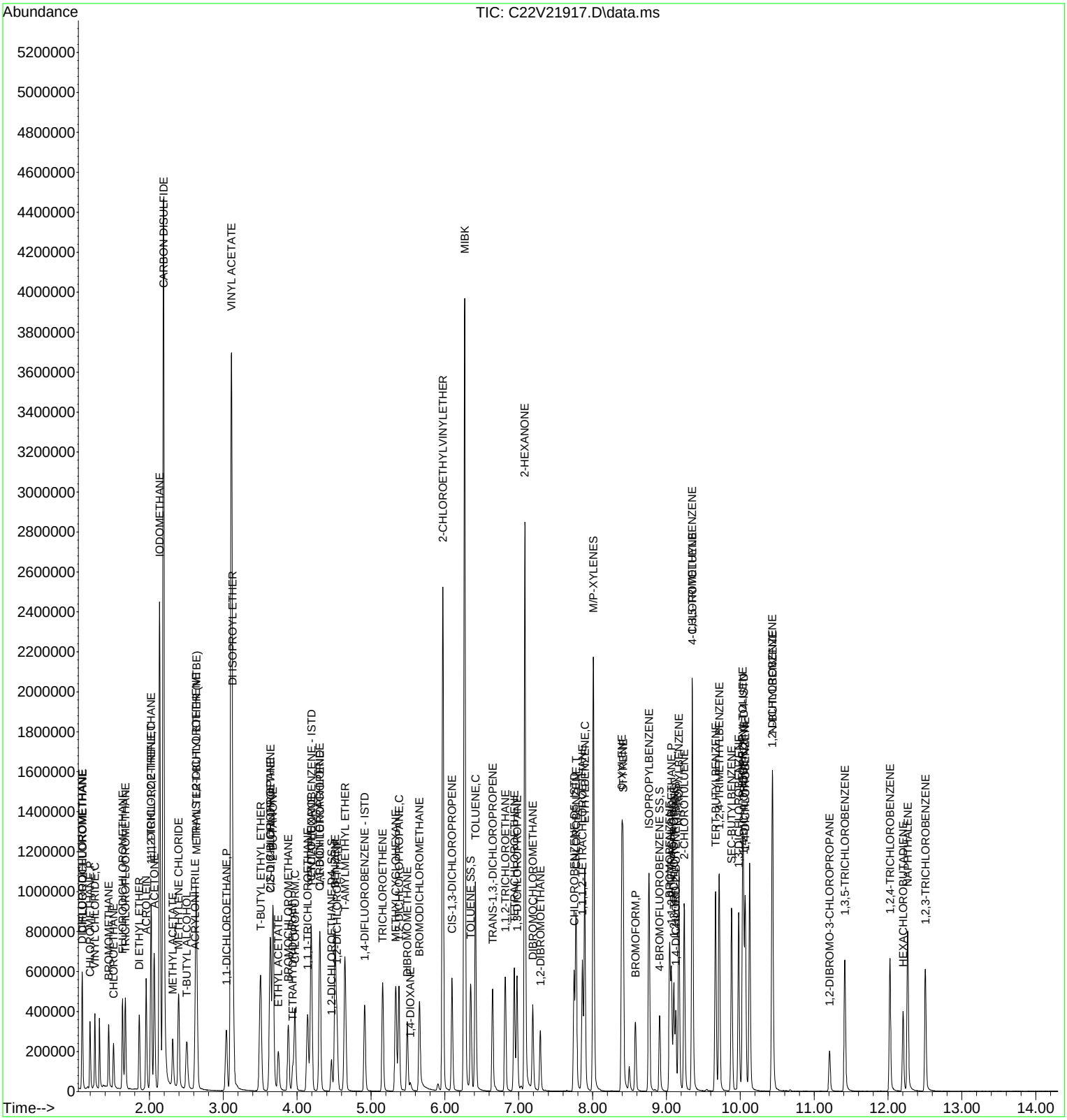
| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 56) 1,4-DIOXANE | 5.532 | 88 | 24518 | 538.52 | UG/L | # | 71 |
| 57) BROMODICHLOROMETHANE | 5.655 | 83 | 215959 | 58.15 | UG/L | | 97 |
| 58) 2-CHLOROETHYLVINYLETHER | 5.973 | 63 | 896251 | 590.74 | 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,-DICHLOROPRO... | 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) 0-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(... | 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-CHLOROT0LUENE | 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-CHLOROPR... | 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

Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21917.D
Acq On : 8 Aug 2022 1:34 pm
Operator :
Sample : 8260STD 50PPB 2206105 Inst : GCMSVOA3
Misc :
ALS Vial : 17 Sample Multiplier: 1



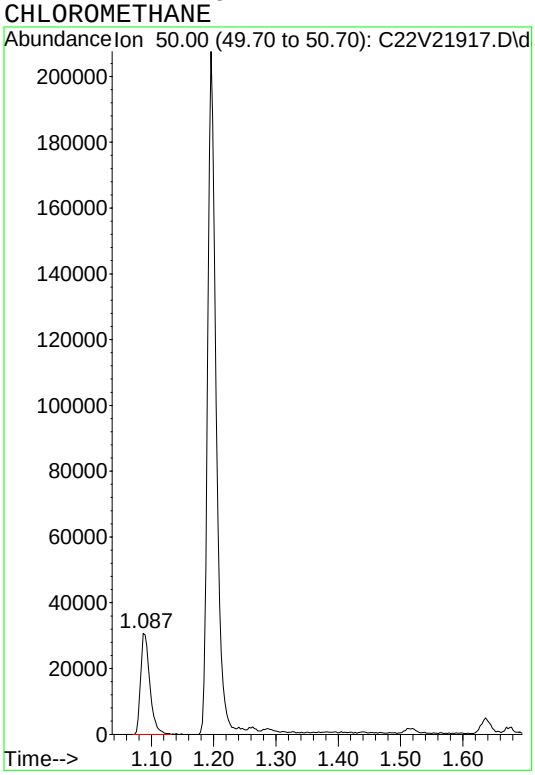
Quant Time: Aug 08 13:59:14 2022
Quant Method : C:\msdchem\1\methods\C051619.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
QLast Update : Mon Aug 08 11:15:01 2022
Response via : Initial Calibration



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




Original Int. Results
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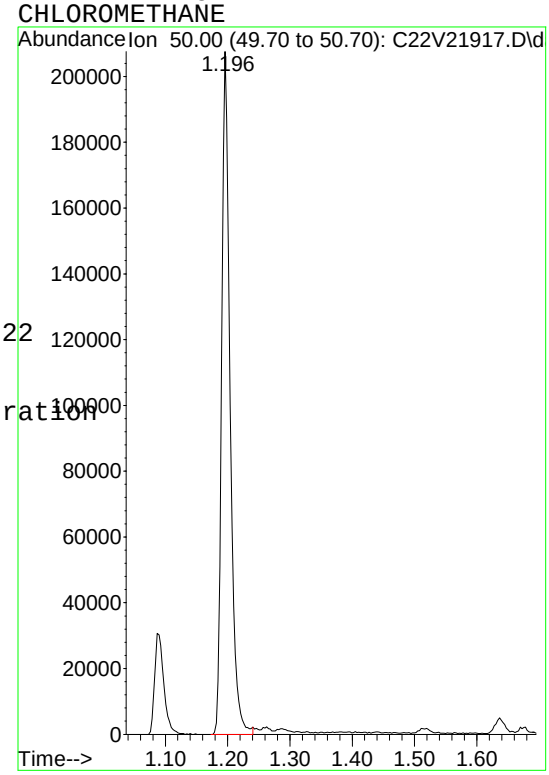
RT : 1.09
Area : 31509
Amount: 7.17858

Manual Int. Results
---

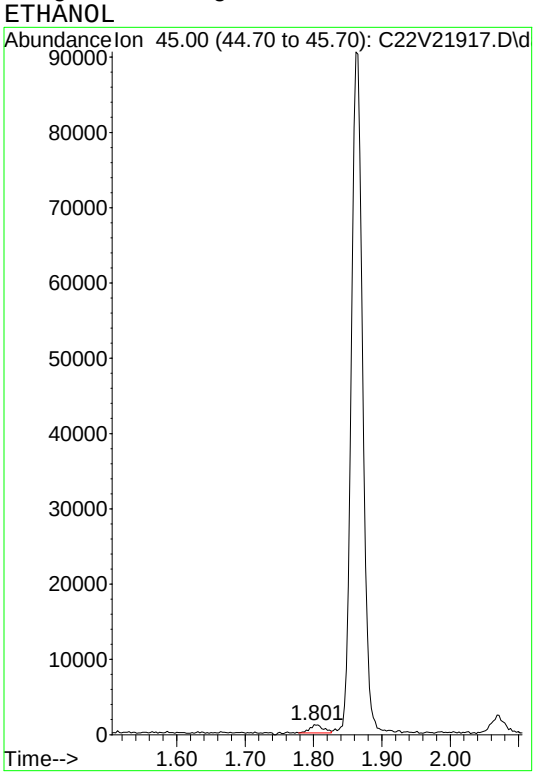
Mon Aug 08 13:59:05 2022

MIuser: EEH
Reason: Incorret Integration
RT : 1.20
Area : 196280
Amount: 44.7178

Manual Integration
CHLOROMETHANE




Original Integration
ETHANOL




Original Int. Results
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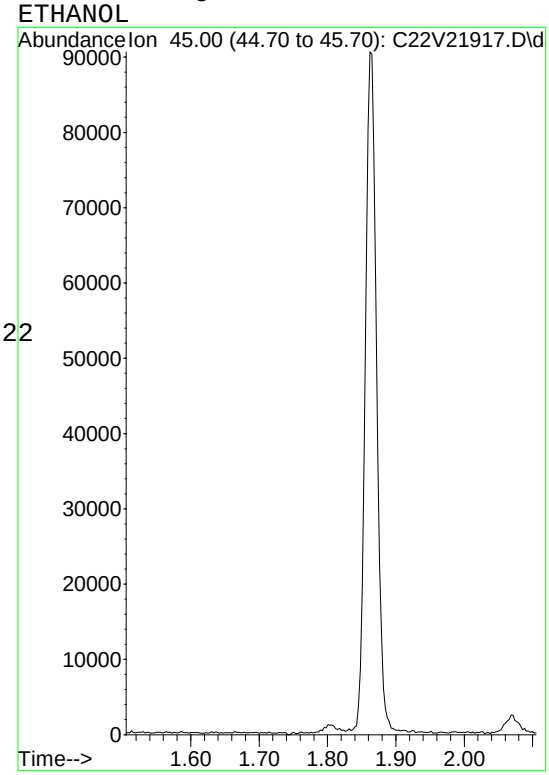
RT : 1.80
Area : 1575
Amount: 22.9002

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



Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21918.D
Acq On : 8 Aug 2022 1:59 pm
Operator :
Sample : 8260STD 100PPB 2206105 Inst : GCMSVOA3
Misc :
ALS Vial : 18 Sample Multiplier: 1



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 | | | | | | Qvalue |
| 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-AMYLMETHYL 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 Inst : GCMSVOA3
Misc :
ALS Vial : 18 Sample Multiplier: 1



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

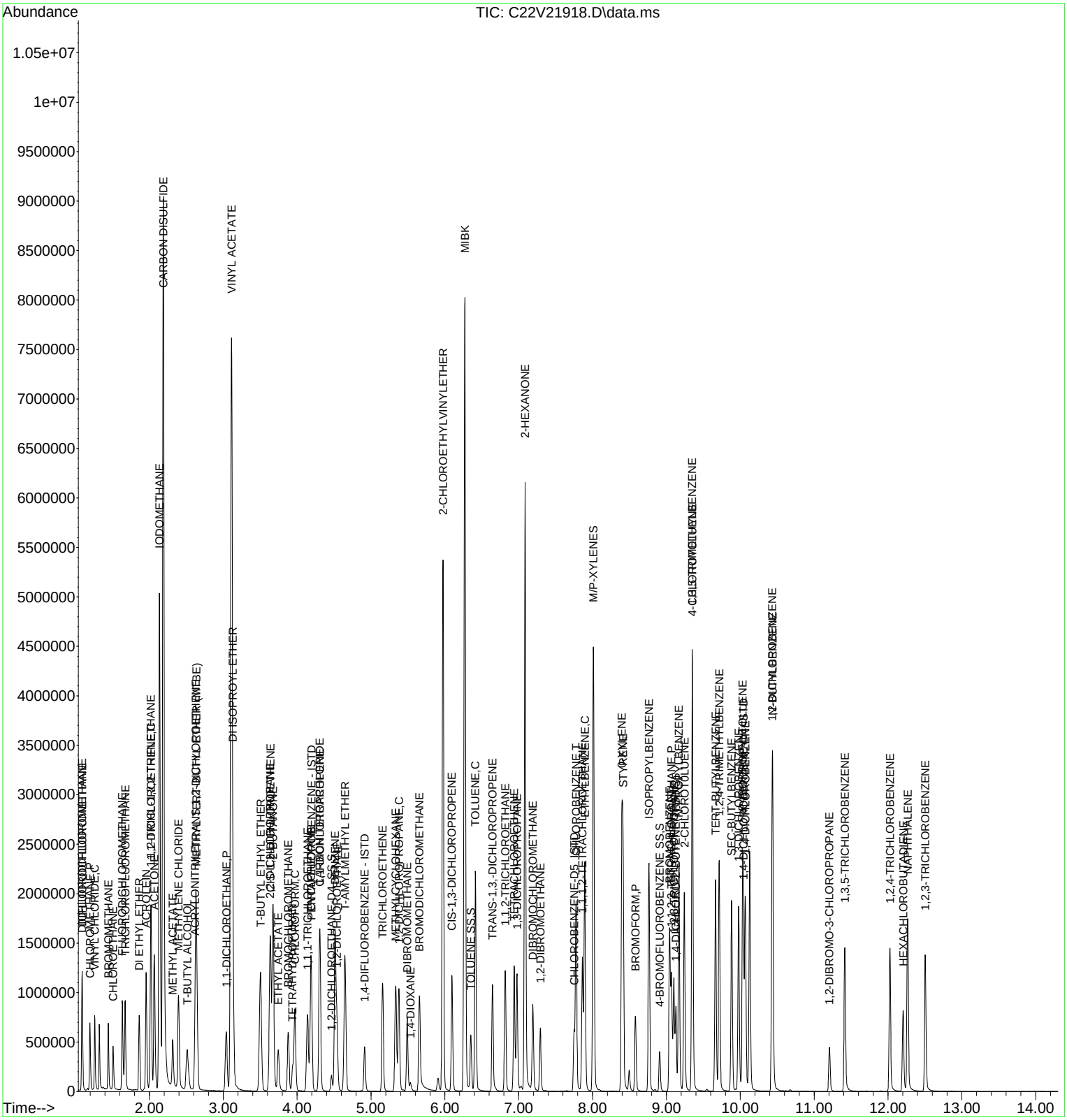
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 56) 1,4-DIOXANE | 5.535 | 88 | 50642 | 1071.56 | UG/L # | 68 |
| 57) BROMODICHLOROMETHANE | 5.655 | 83 | 446288 | 115.77 | UG/L | 98 |
| 58) 2-CHLOROETHYLVINYLETHER | 5.976 | 63 | 1892822 | 1201.90 | UG/L | 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,-DICHLOROPRO... | 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) 0-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-CHLOROT0LUENE | 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-CHLOROPR... | 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

Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21918.D
Acq On : 8 Aug 2022 1:59 pm
Operator :
Sample : 8260STD 100PPB 2206105 Inst : GCMSVOA3
Misc :
ALS Vial : 18 Sample Multiplier: 1



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



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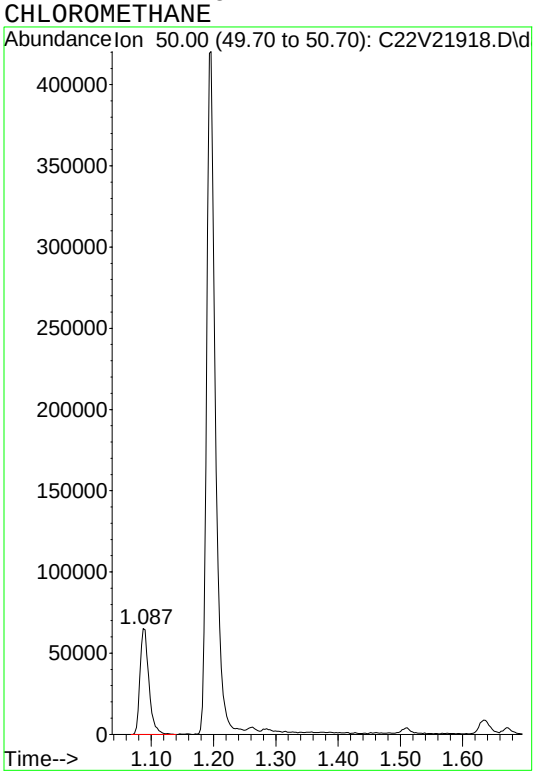
Data File : C22V21918.D
Acq On : 8 Aug 2022 1:59 pm
Operator :
Sample : 8260STD 100PPB 2206105
Misc :

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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RT : 1.09
Area : 63977
Amount: 14.1733

Manual Int. Results
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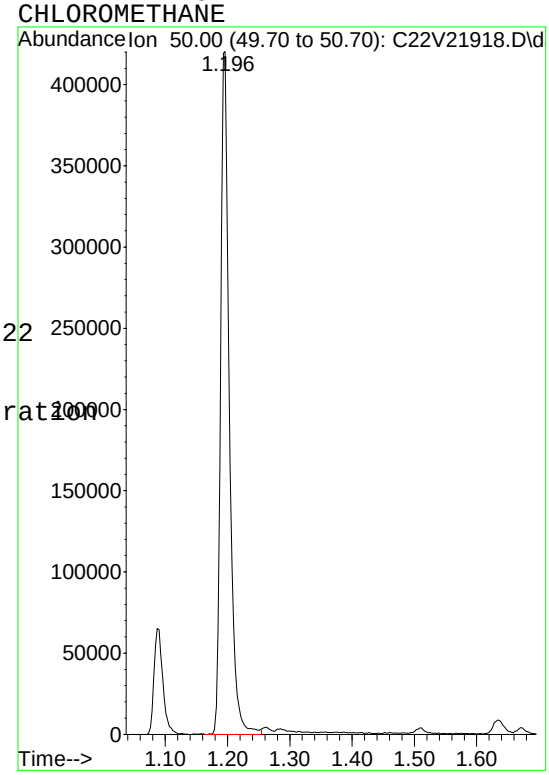
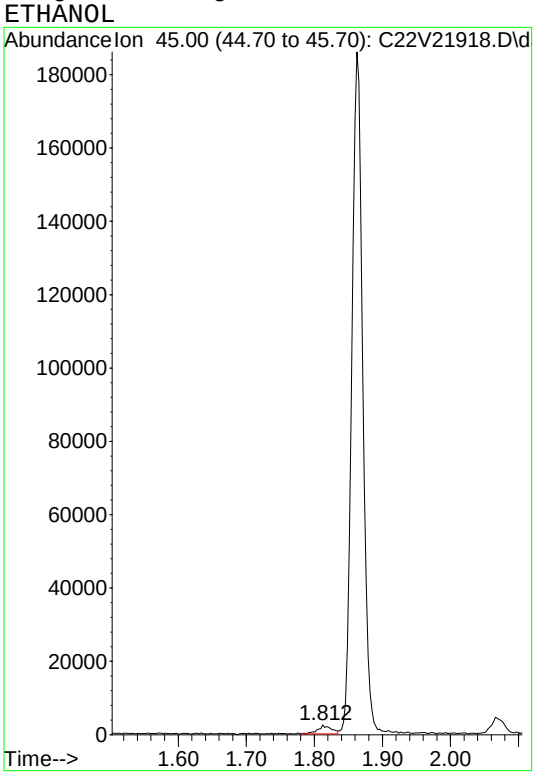
Tue Aug 09 06:23:46 2022

MIuser: EEH
Reason: Incorret Integration
RT : 1.20
Area : 411266
Amount: 91.1106

Manual Integration
CHLOROMETHANE




Original Integration
ETHANOL




Original Int. Results
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RT : 1.81
Area : 3248
Amount: 45.9217

Manual Int. Results
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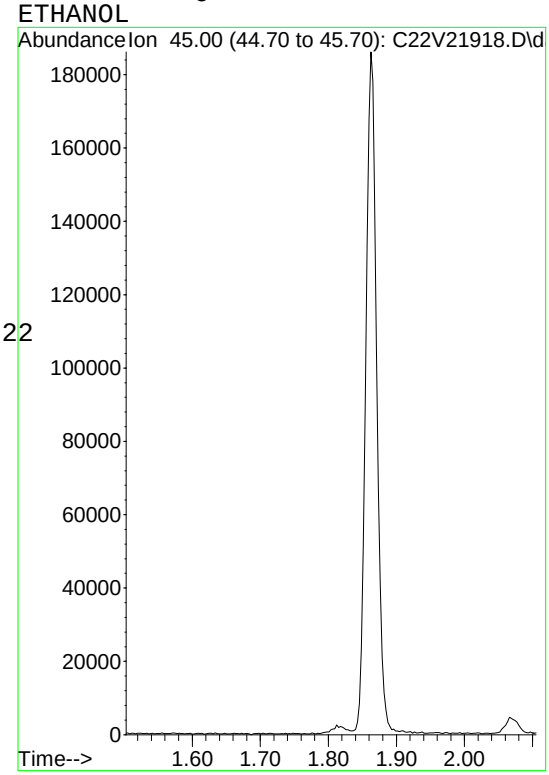
Tue Aug 09 06:23:54 2022

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

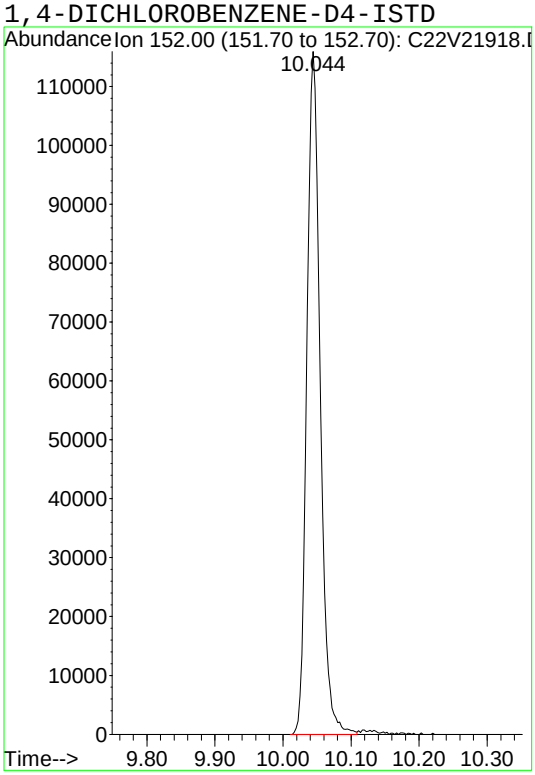
Manual Integration
ETHANOL



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




Original Int. Results
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RT : 10.04
Area : 156597
Amount: 30

Manual Int. Results
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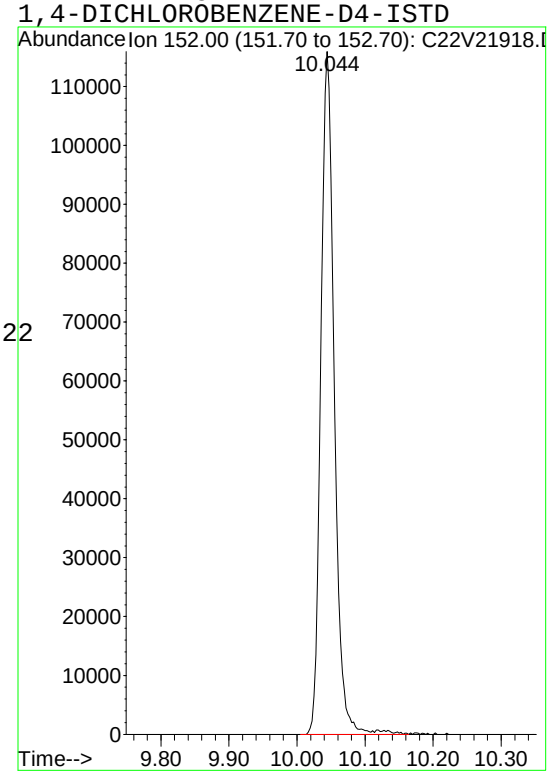
Tue Aug 09 06:41:46 2022

MIuser: EEH
Reason: Split Peak
RT : 10.04
Area : 157880
Amount: 30

Manual Integration
1,4-DICHLOROBENZENE-D4-ISTD



Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21919.D
Acq On : 8 Aug 2022 2:23 pm
Operator :
Sample : 8260STD 200PPB 2206105 Inst : GCMSVOA3
Misc :
ALS Vial : 19 Sample Multiplier: 1



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 | | | | | | Qvalue |
| 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) ACROLEIN | 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-AMYLMETHYL 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 Inst : GCMSVOA3
Misc :
ALS Vial : 19 Sample Multiplier: 1



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

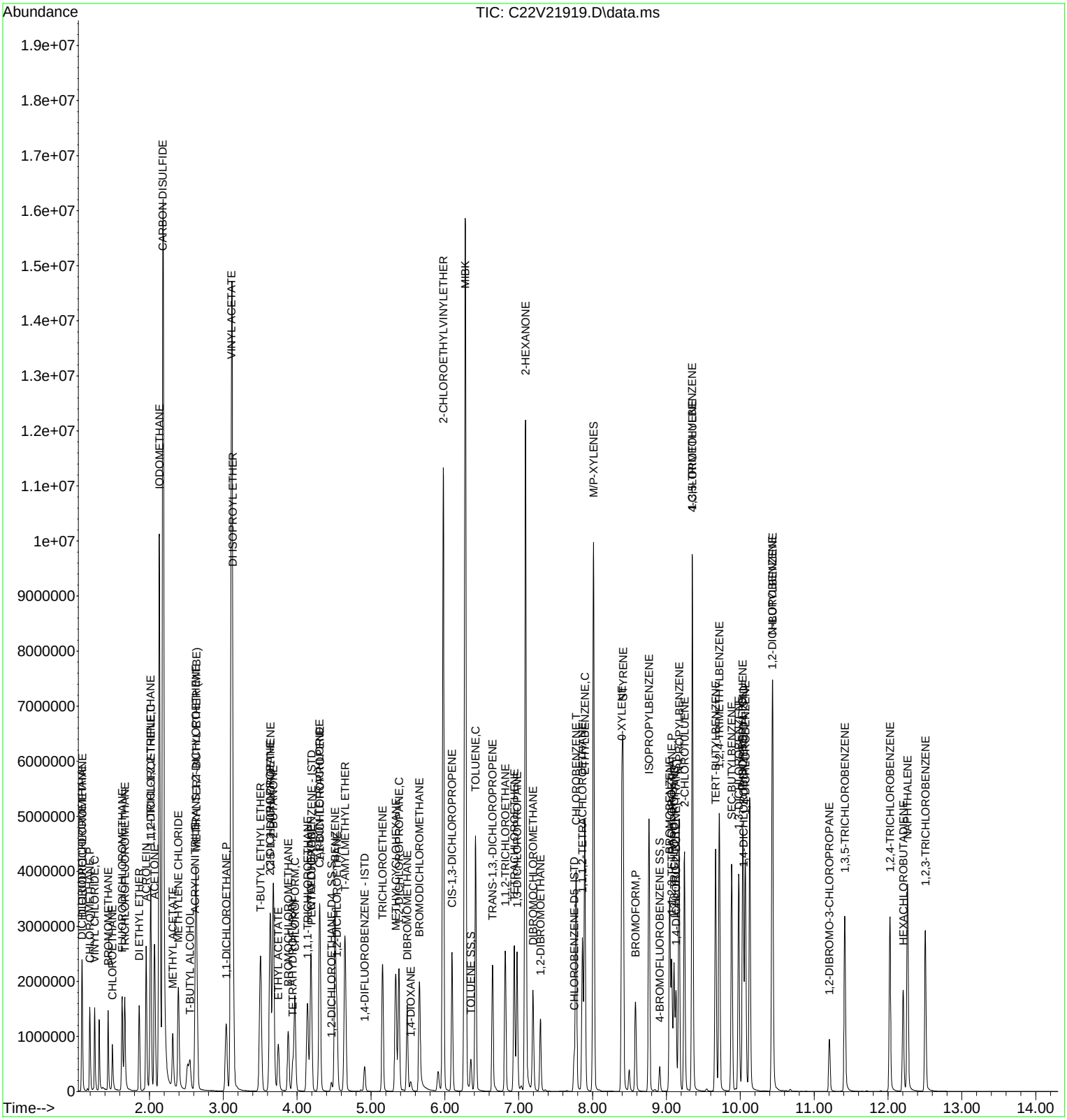
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 56) 1,4-DIOXANE | 5.538 | 88 | 110598 | 2335.29 | UG/L # | 72 |
| 57) BROMODICHLOROMETHANE | 5.655 | 83 | 927628 | 240.13 | UG/L | 97 |
| 58) 2-CHLOROETHYLVINYLETHER | 5.978 | 63 | 4058349 | 2571.56 | UG/L | 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,-DICHLOROPRO... | 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) 0-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-CHLOROT0LUENE | 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-CHLOROPR... | 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

Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21919.D
Acq On : 8 Aug 2022 2:23 pm
Operator :
Sample : 8260STD 200PPB 2206105 Inst : GCMSVOA3
Misc :
ALS Vial : 19 Sample Multiplier: 1



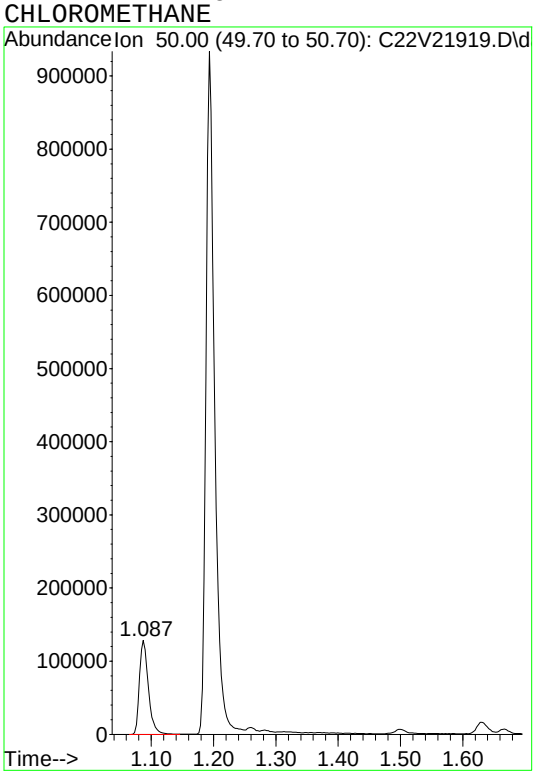
Quant Time: Aug 09 06:41:16 2022
Quant Method : C:\msdchem\1\methods\C051619.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
QLast Update : Mon Aug 08 11:15:01 2022
Response via : Initial Calibration



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
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RT : 1.09
Area : 127378
Amount: 27.709

Manual Int. Results
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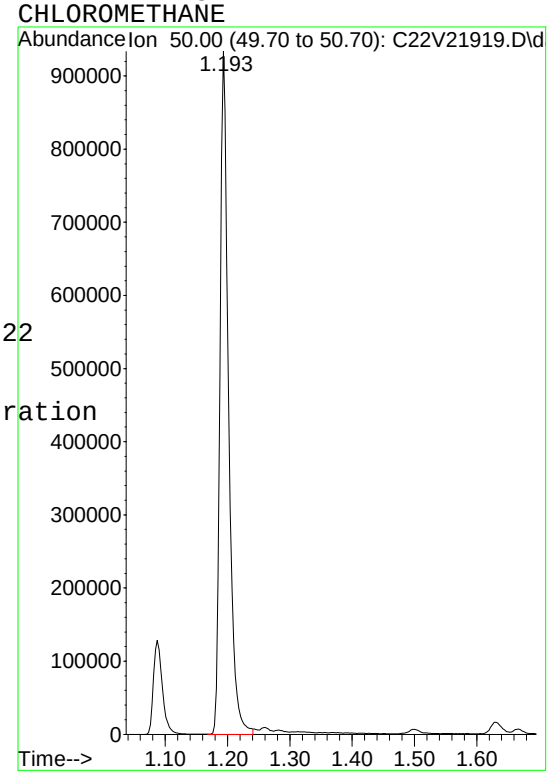
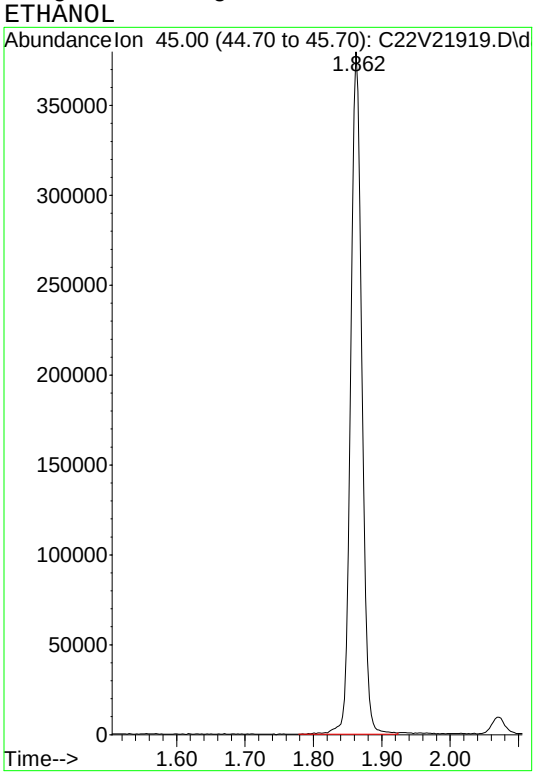
Tue Aug 09 06:25:08 2022

MIuser: EEH
Reason: Incorret Integration
RT : 1.19
Area : 896006
Amount: 194.912

Manual Integration
CHLOROMETHANE




Original Integration
ETHANOL




Original Int. Results
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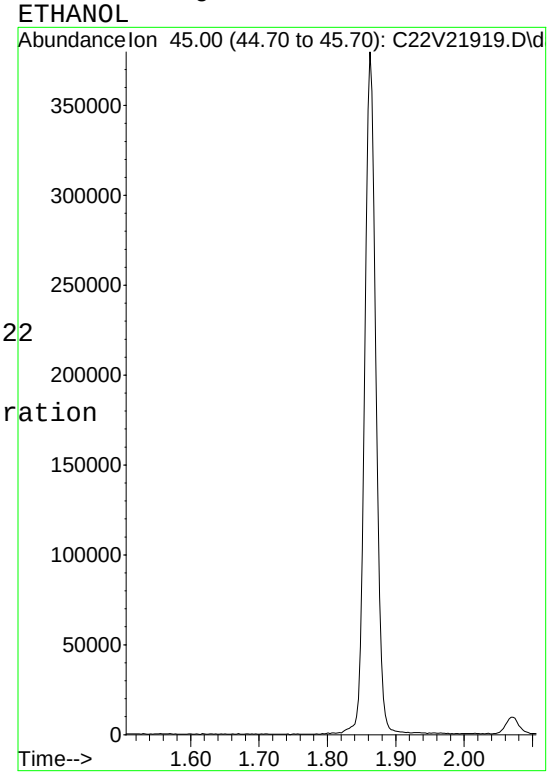
RT : 1.86
Area : 430350
Amount: 5974.53

Manual Int. Results
---

Tue Aug 09 06:25:18 2022

MIuser: EEH
Reason: Incorret Integration
RT : 0.00
Area : 0
Amount: 0

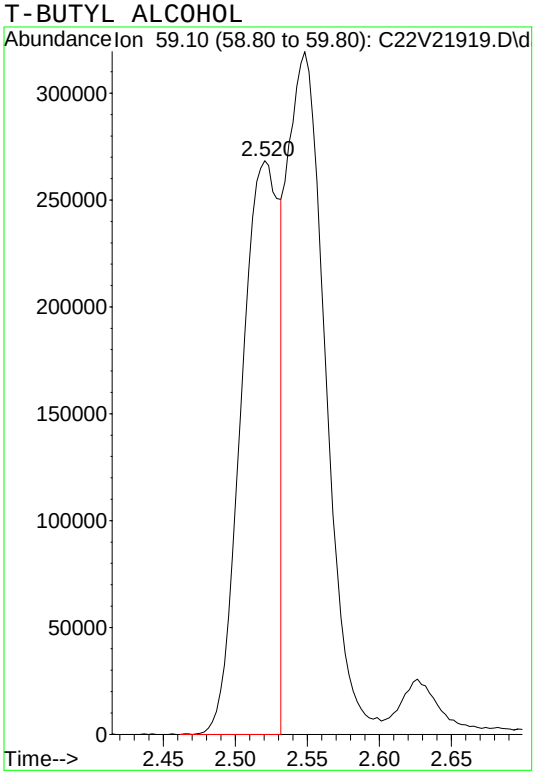
Manual Integration
ETHANOL



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




Original Int. Results
---

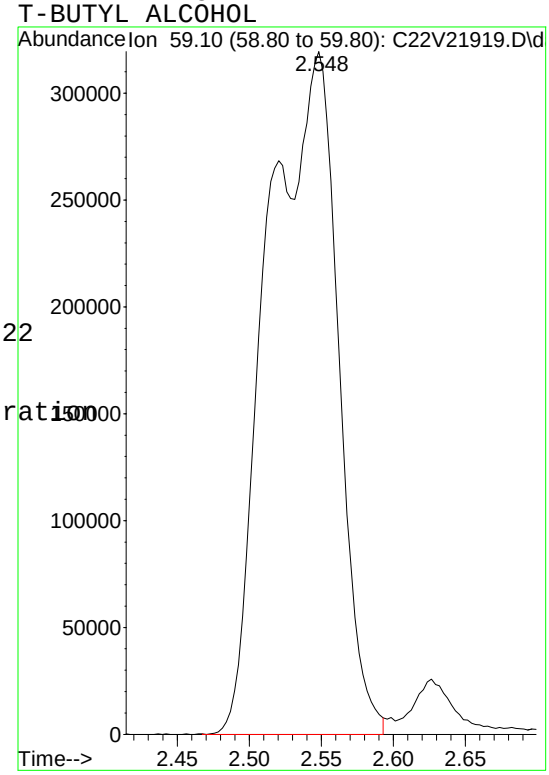
RT : 2.52
Area : 491853
Amount: 964.489

Manual Int. Results
---

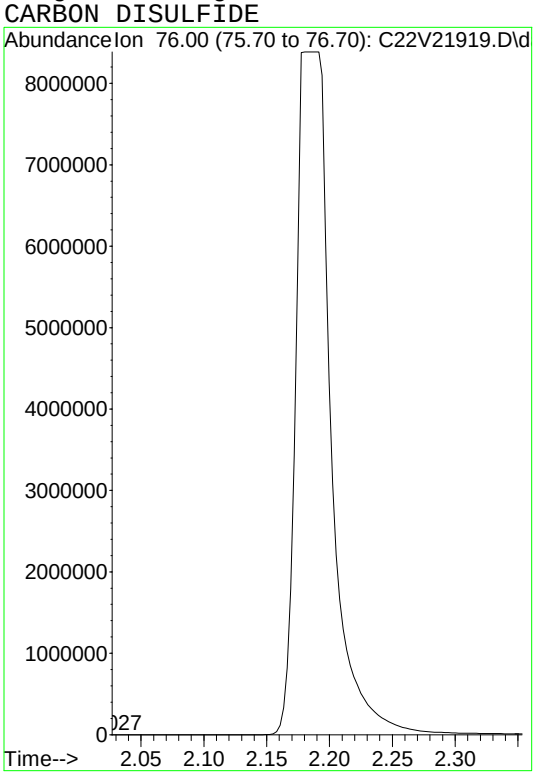
Tue Aug 09 06:25:30 2022

MIuser: EEH
Reason: Incorret Integration
RT : 2.55
Area : 1.07973e+006
Amount: 2117.28

Manual Integration
T-BUTYL ALCOHOL




Original Integration
CARBON DISULFIDE




Original Int. Results
---

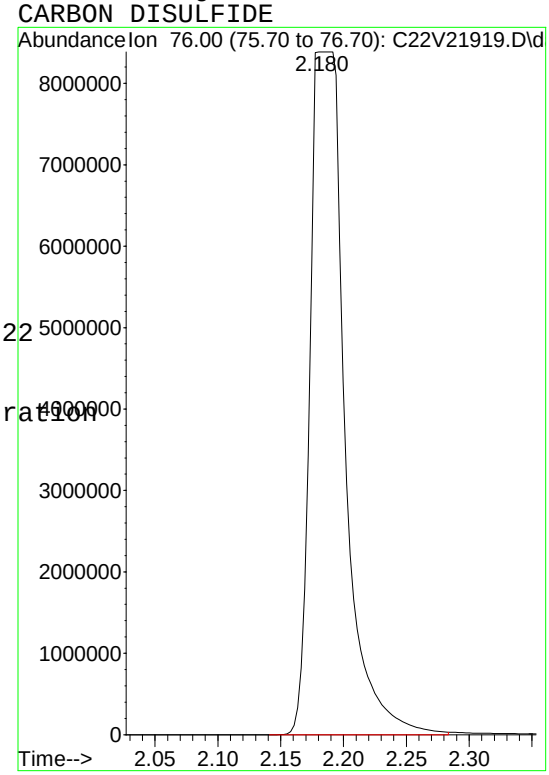
RT : 0.00
Area : 0
Amount: 0

Manual Int. Results
---

Tue Aug 09 06:25:35 2022

MIuser: EEH
Reason: Incorret Integration
RT : 2.18
Area : 1.60956e+007
Amount: 2040.22

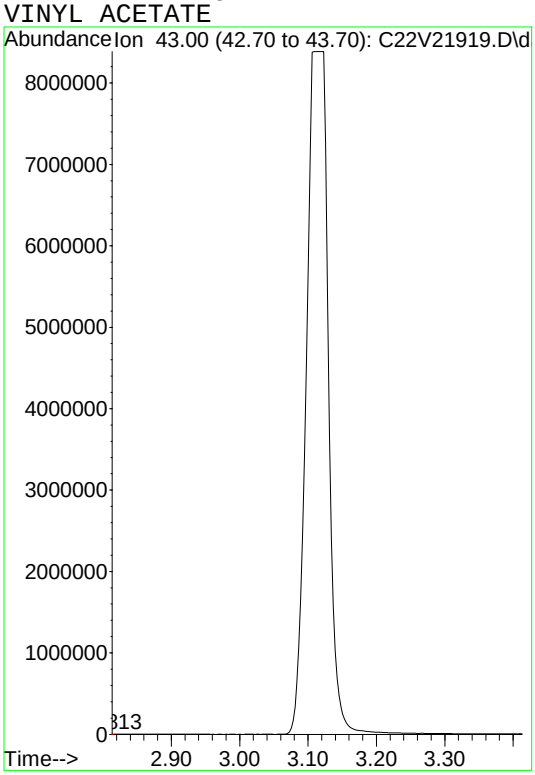
Manual Integration
CARBON DISULFIDE



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




Original Int. Results
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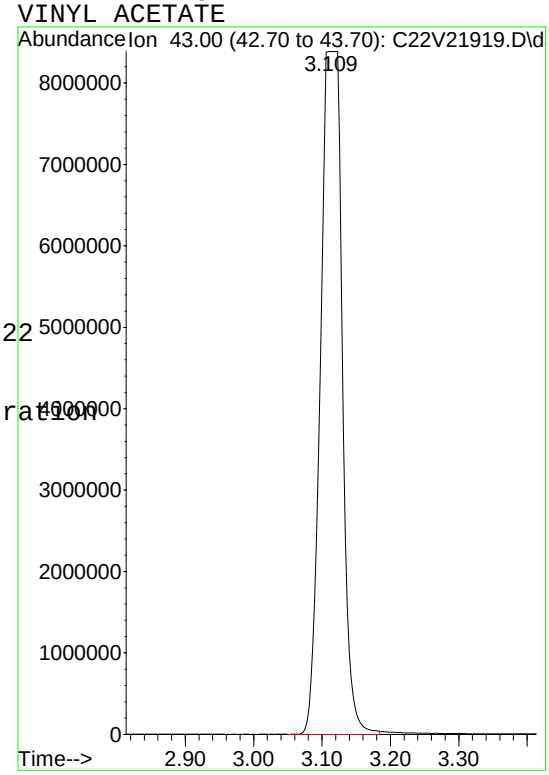
RT : 0.00
Area : 0
Amount: 0

Manual Int. Results
---

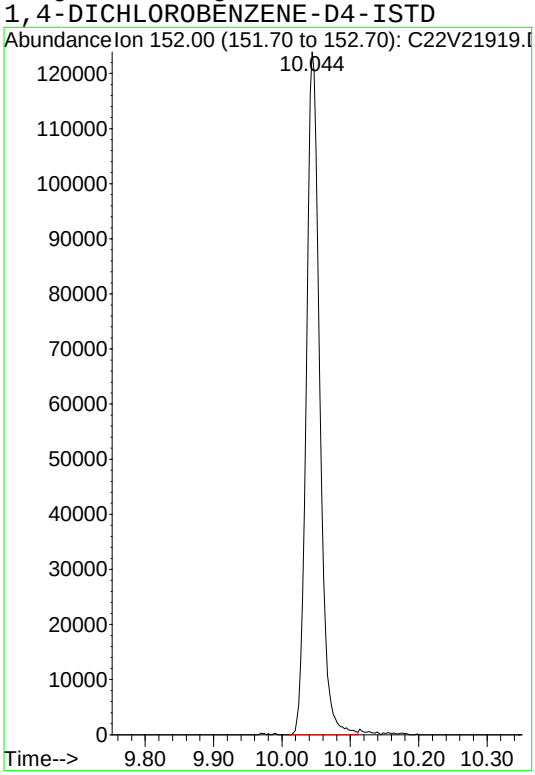
Tue Aug 09 06:25:41 2022

MIuser: EEH
Reason: Incorret Integration
RT : 3.11
Area : 1.84075e+007
Amount: 1690.09

Manual Integration
VINYL ACETATE




Original Integration
1,4-DICHLOROBENZENE-D4-ISTD




Original Int. Results
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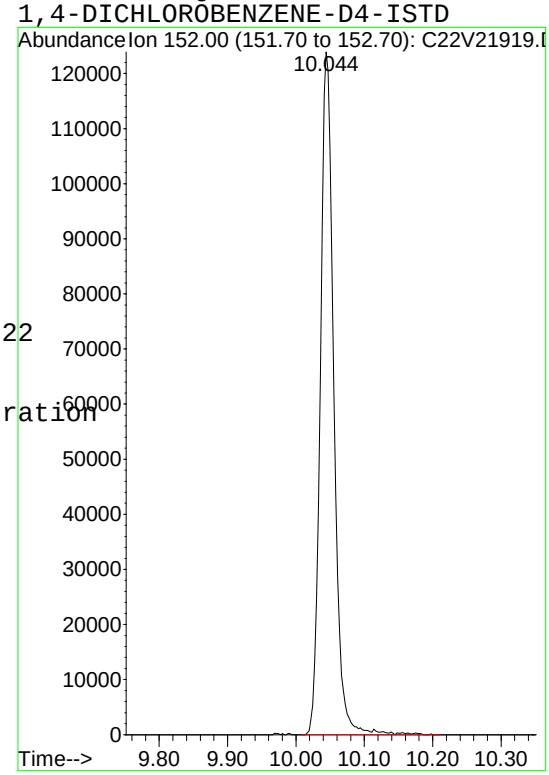
RT : 10.04
Area : 166653
Amount: 30

Manual Int. Results
---

Tue Aug 09 06:41:16 2022

MIuser: EEH
Reason: Incorret Integration
RT : 10.04
Area : 168149
Amount: 30

Manual Integration
1,4-DICHLOROBENZENE-D4-ISTD



Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21920.D
Acq On : 8 Aug 2022 2:47 pm
Operator :
Sample : ETOH500PPB Inst : GCMSVOA3
Misc :
ALS Vial : 20 Sample Multiplier: 1



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) ACROLEIN | 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 : ETOH500PPB Inst : GCMSVOA3
Misc :
ALS Vial : 20 Sample Multiplier: 1



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

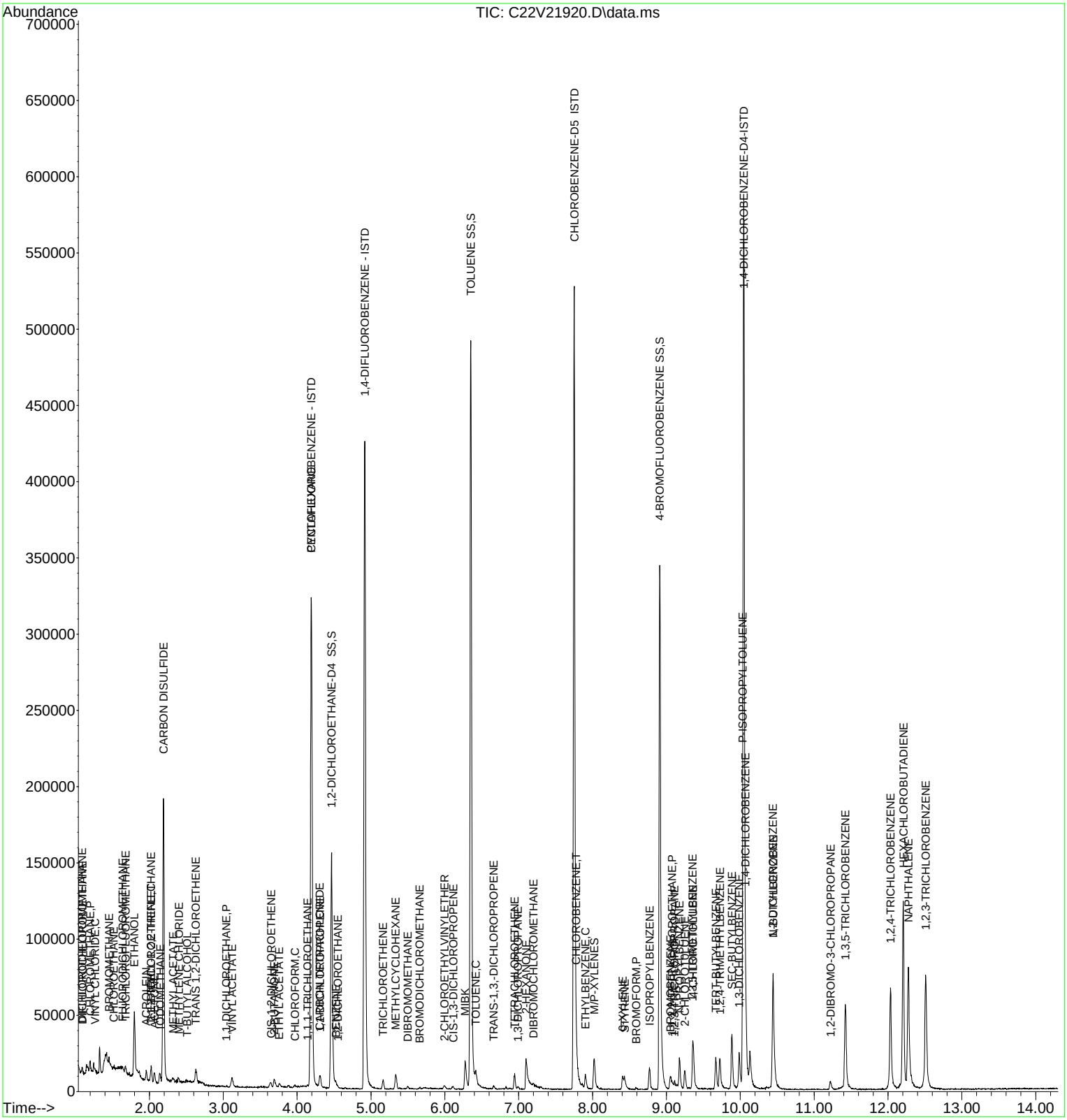
| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 68) DIBROMOCHLOROMETHANE | 7.200 | 129 | 722 | 0.23 | UG/L | | 96 |
| 72) CHLOROBENZENE | 7.777 | 112 | 4175 | 0.59 | UG/L | # | 89 |
| 74) ETHYLBENZENE | 7.902 | 91 | 7172 | 0.59 | UG/L | | 96 |
| 75) M/P-XYLENES | 8.022 | 91 | 12711 | 1.38 | UG/L | | 89 |
| 76) 0-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-CHLOROT0LUENE | 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

Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21920.D
Acq On : 8 Aug 2022 2:47 pm
Operator :
Sample : ETOH500PPB Inst : GCMSVOA3
Misc :
ALS Vial : 20 Sample Multiplier: 1



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 Inst : GCMSVOA3
Misc :
ALS Vial : 21 Sample Multiplier: 1



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-CHLOROT0LUENE | 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 Inst : GCMSVOA3
Misc :
ALS Vial : 21 Sample Multiplier: 1



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

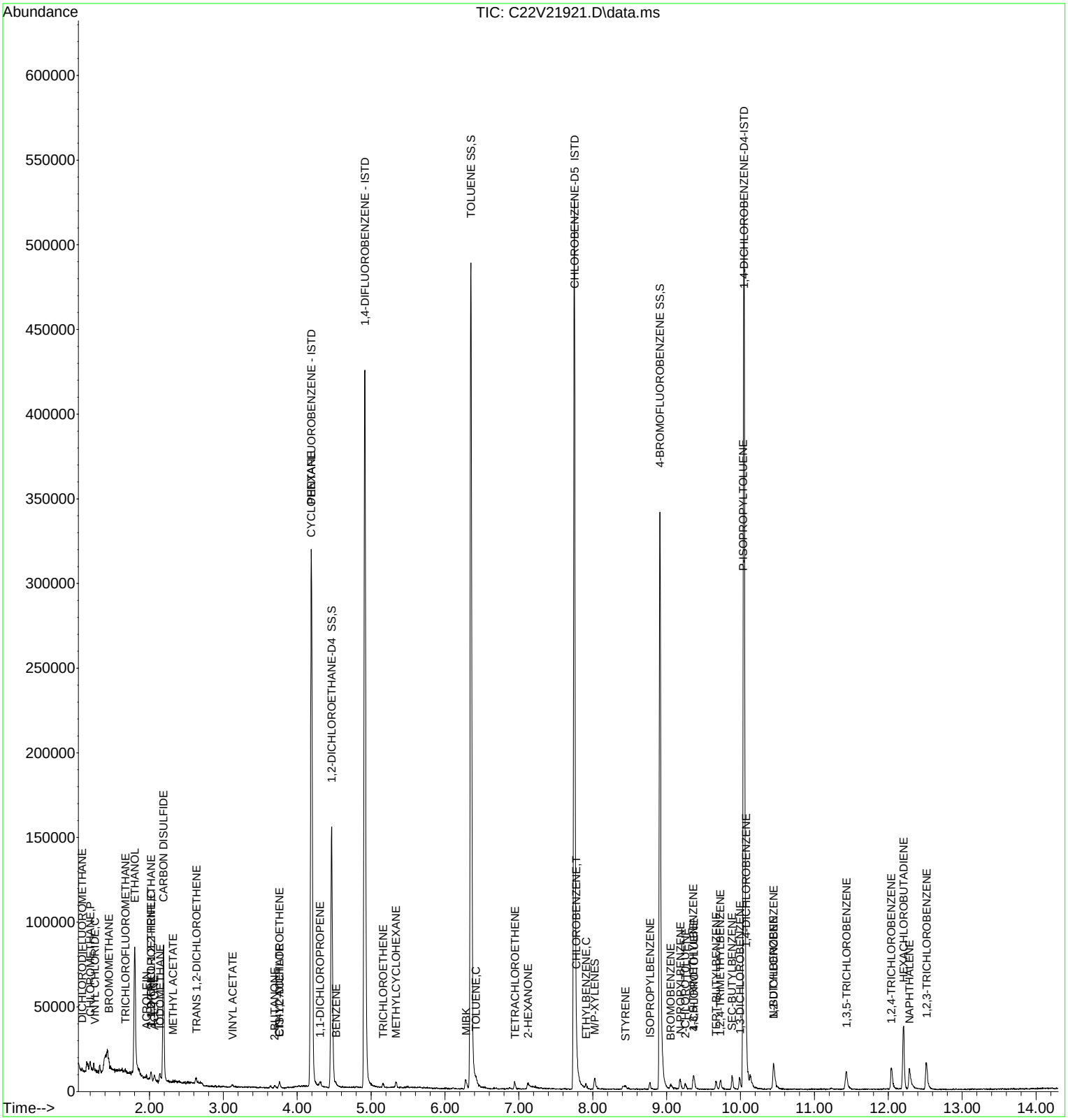
| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 97) | N-BUTYLBENZENE | 10.446 | 91 | 8550 | 1.07 | UG/L | # | 89 |
| 98) | 1,2-DICHLOROBENZENE | 10.449 | 146 | 3114 | 0.58 | UG/L | # | 79 |
| 100) | 1,3,5-TRICHLOROBENZENE | 11.436 | 180 | 5189 | 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

Data Path : C:\msdchem\1\data\C080822\
Data File : C22V21921.D
Acq On : 8 Aug 2022 3:11 pm
Operator :
Sample : ETOH1000PPB Inst : GCMSVOA3
Misc :
ALS Vial : 21 Sample Multiplier: 1



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 : ETOH2000PPB Inst : GCMSVOA3
Misc :
ALS Vial : 22 Sample Multiplier: 1

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-CHLOROT0LUENE | 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

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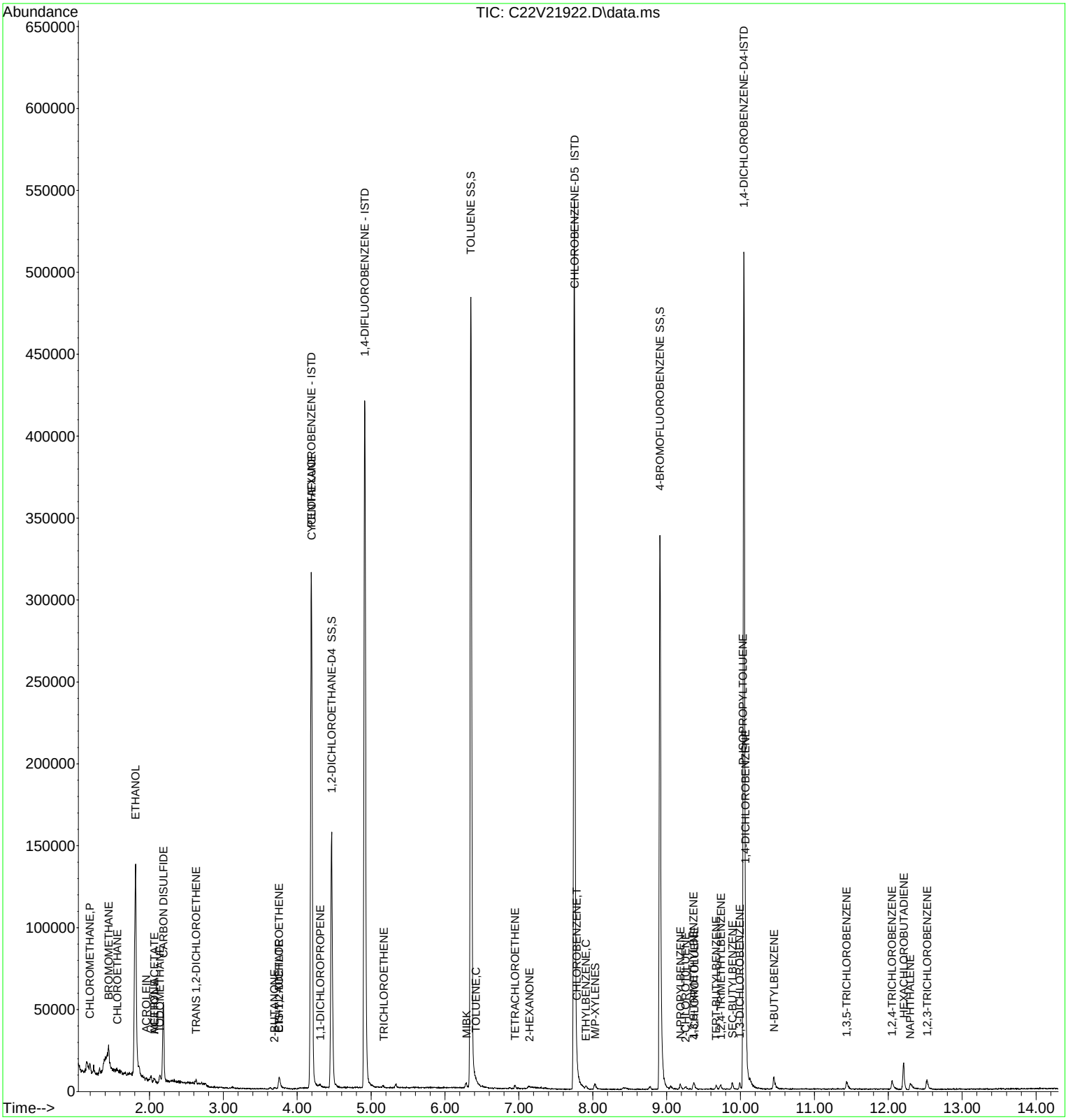
Sample : ETOH2000PPB Inst : GCMSVOA3
Misc :
ALS Vial : 22 Sample Multiplier: 1



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 Inst : GCMSVOA3
Misc :
ALS Vial : 26 Sample Multiplier: 1



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 | | | | | | | Qvalue |
| 3) DICHLORODIFLUOROMETHANE | 1.090 | 85 | 24441 | 8.90 | UG/L | | 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-AMYLMETHYL ETHER | 4.651 | 73 | 90203 | 10.86 | UG/L | | 96 |
| 50) 1,2-DICHLOROETHANE | 4.542 | 62 | 43574 | 10.86 | UG/L | | 98 |
| 51) TRICHLOROETHENE | 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 Inst : GCMSVOA3
Misc :
ALS Vial : 26 Sample Multiplier: 1



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) |
|---|---|---|---|---|---|---|---|
| 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) 0-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-CHLOROT0LUENE | 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

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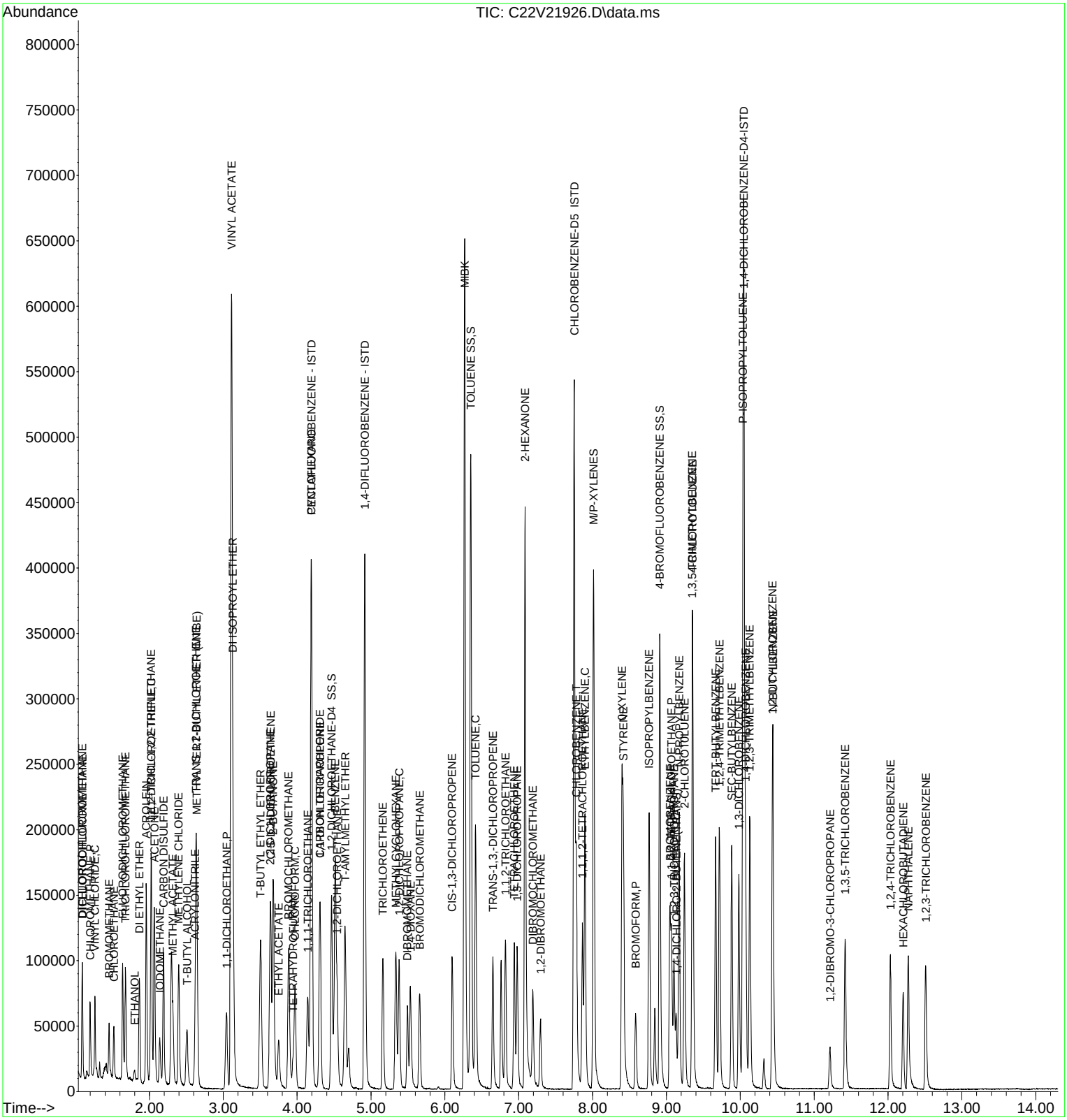

Data Path : C:\msdchem\1\data\C080822\
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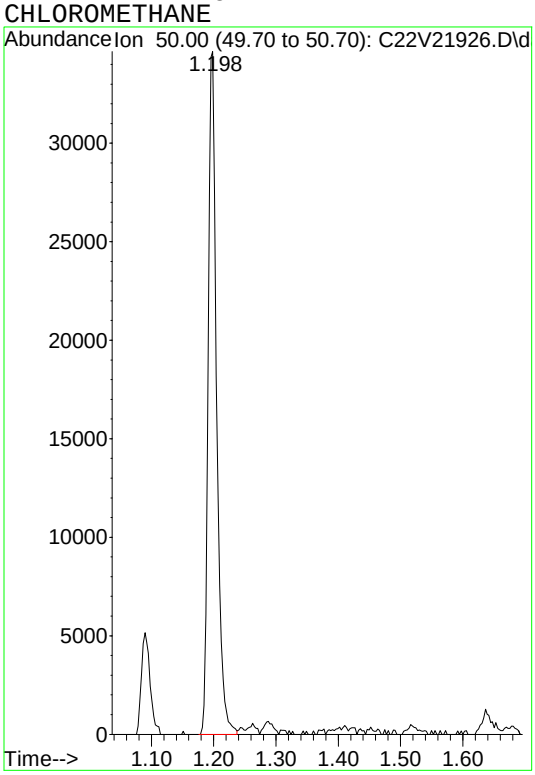
QLast Update : Tue Aug 09 06:47:59 2022

Original Integration
CHLOROMETHANE




Original Int. Results
---

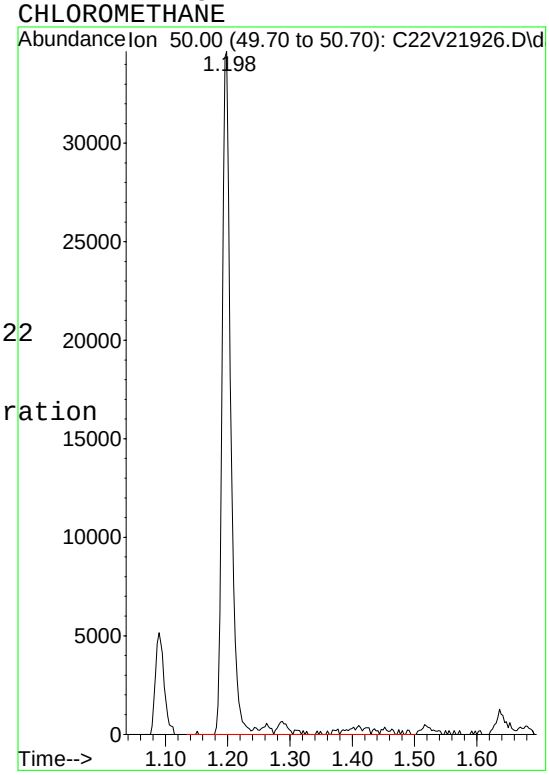
RT : 1.20
Area : 33011
Amount: 7.35473

Manual Int. Results
---

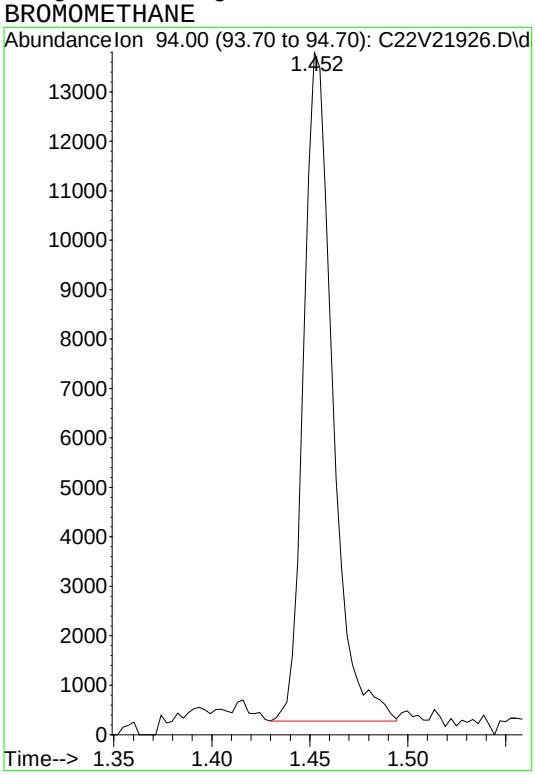
Tue Aug 09 06:49:07 2022

MIuser: EEH
Reason: Incorret Integration
RT : 1.20
Area : 36170
Amount: 8.05854

Manual Integration
CHLOROMETHANE




Original Integration
BROMOMETHANE




Original Int. Results
---

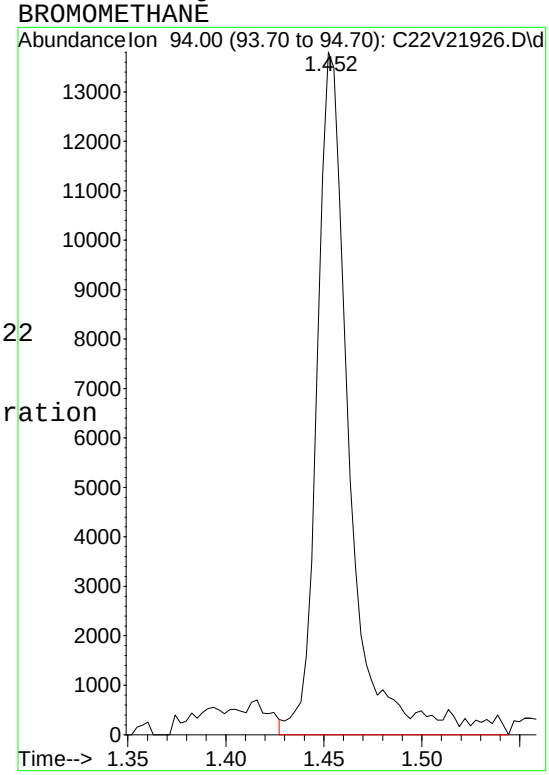
RT : 1.45
Area : 13859
Amount: 7.11414

Manual Int. Results
---

Tue Aug 09 06:49:20 2022

MIuser: EEH
Reason: Incorret Integration
RT : 1.45
Area : 15899
Amount: 8.16132

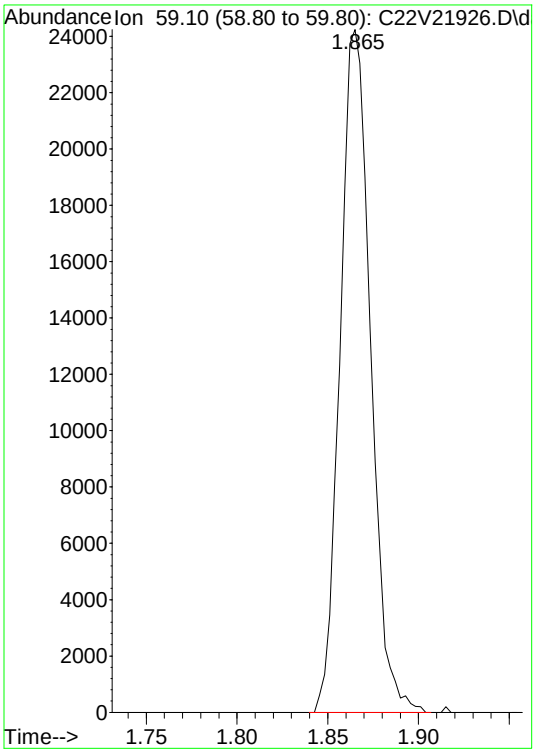
Manual Integration
BROMOMETHANE



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
---

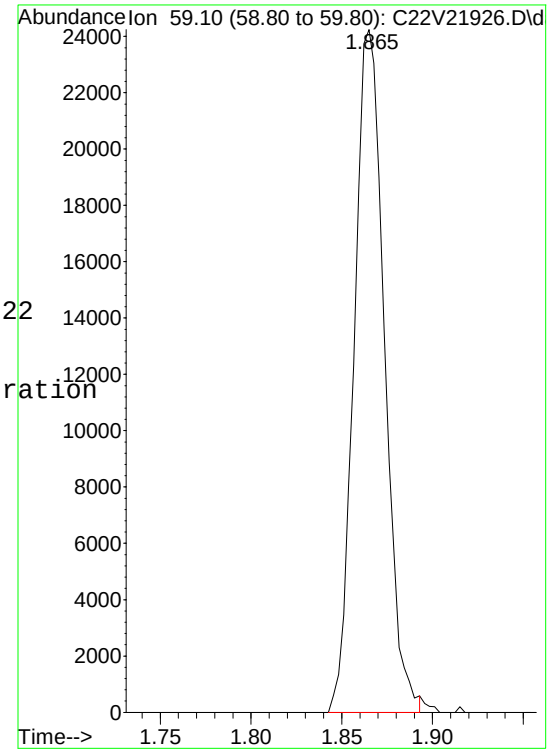
RT : 1.86
Area : 28303
Amount: 12.0481

Manual Int. Results
---

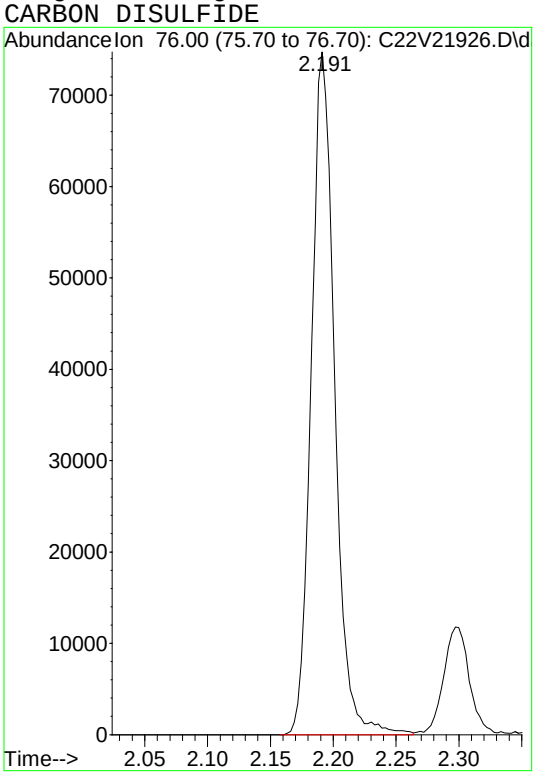
Tue Aug 09 06:49:54 2022

MIuser: EEH
Reason: Incorret Integration
RT : 1.86
Area : 28172
Amount: 11.9924

Manual Integration
DI ETHYL ETHER




Original Integration
CARBON DISULFIDE




Original Int. Results
---

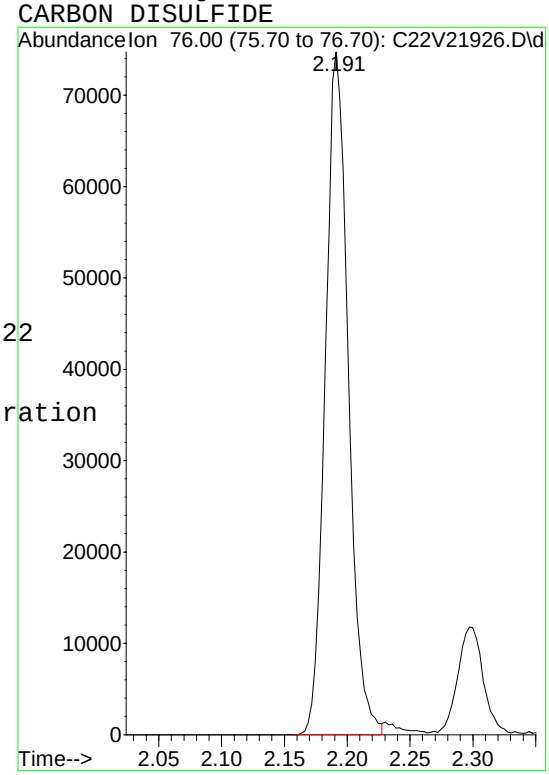
RT : 2.19
Area : 97000
Amount: 12.1458

Manual Int. Results
---

Tue Aug 09 06:49:28 2022

MIuser: EEH
Reason: Incorret Integration
RT : 2.19
Area : 95591
Amount: 11.9694

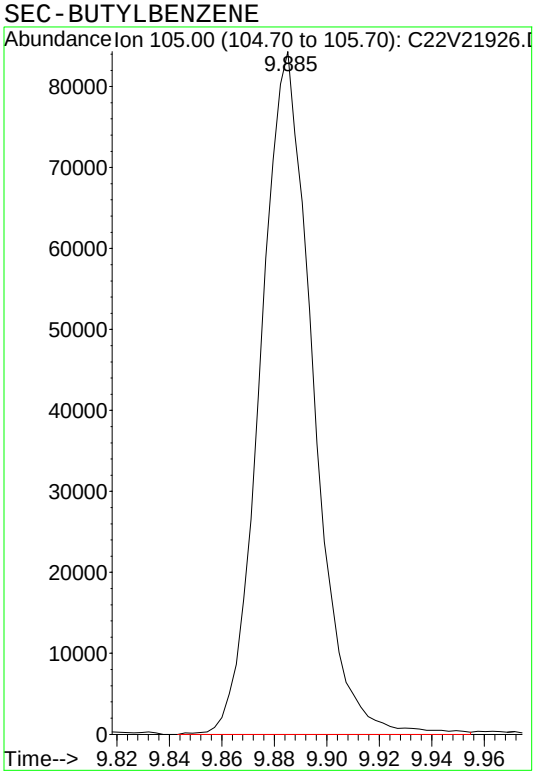
Manual Integration
CARBON DISULFIDE



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




Original Int. Results
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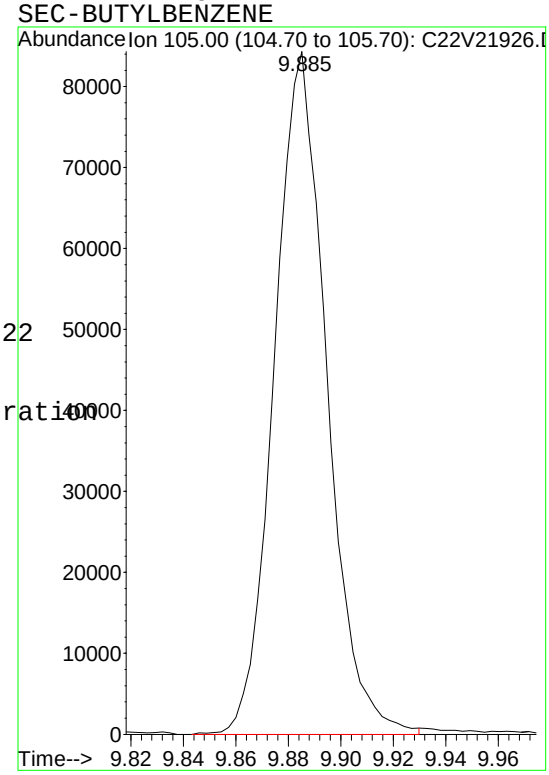
RT : 9.89
Area : 117544
Amount: 12.0487

Manual Int. Results
---

Tue Aug 09 06:49:35 2022

MIuser: EEH
Reason: Incorret Integration
RT : 9.89
Area : 116837
Amount: 11.9763

Manual Integration
SEC-BUTYLBENZENE



# INITIAL CALIBRATION VERIFICATION

## SW-846 8260D

| | | | |
|---|---|---|---|
| Laboratory: | Pace New England | Work Order: | 23D0848 |
| Client: | NYDEC_GES - Amherst, NY | Project: | 275 Franklin St, Buffalo, NY - CO 144192 |
| 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 |

| | | CONC. (µg/L) | | RESPONSE FACTOR | | | % DIFF / DRIFT | | |
|---|---|---|---|---|---|---|---|---|---|
| COMPOUND | TYPE | 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 | 1.250483 | 1.511129 | | 20.8 | 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: | 23D0848 |
| Client: | NYDEC_GES - Amherst, NY | Project: | 275 Franklin St, Buffalo, NY - CO 144192 |
| 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 |

| | | CONC. (µg/L) | | RESPONSE FACTOR | | | % DIFF / DRIFT | |
|---|---|---|---|---|---|---|---|---|
| COMPOUND | TYPE | 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: | 23D0848 |
| Client: | NYDEC_GES - Amherst, NY | Project: | 275 Franklin St, Buffalo, NY - CO 144192 |
| 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 |

| | | CONC. (µg/L) | | RESPONSE FACTOR | | | % DIFF / DRIFT | |
|---|---|---|---|---|---|---|---|---|
| COMPOUND | TYPE | STD | ICV | ICAL | ICV | MIN (#) | ICV | 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: | 23D0848 |
| Client: | NYDEC_GES - Amherst, NY | Project: | 275 Franklin St, Buffalo, NY - CO 144192 |
| 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 |

| | | CONC. (µg/L) | | RESPONSE FACTOR | | | % DIFF / DRIFT | |
|---|---|---|---|---|---|---|---|---|
| COMPOUND | TYPE | 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: | 23D0848 |
| Client: | NYDEC_GES - Amherst, NY | Project: | 275 Franklin St, Buffalo, NY - CO 144192 |
| Instrument ID: | GCMSVOA3 | Calibration: | 2200537 |
| Lab File ID: | C22V10302.D | Calibration Date: | 08/08/22 10:18 |
| Sequence: | S085958 | Injection Date: | 04/13/23 |
| Lab Sample ID: | S085958-CCV1 | Injection Time: | 10:39 |

| | | CONC. (µg/L) | | RESPONSE FACTOR | | | % DIFF / DRIFT | |
|---|---|---|---|---|---|---|---|---|
| COMPOUND | TYPE | STD | CCV | ICAL | CCV | MIN (#) | CCV | LIMIT (#) |
| Acetone | A | 100 | 94.2 | 0.1820924 | 0.1714407 | | -5.8 | 20 |
| Benzene | A | 10.0 | 9.72 | 1.667645 | 1.621039 | | -2.8 | 20 |
| Bromochloromethane | A | 10.0 | 10.2 | 0.3793018 | 0.3856147 | | 1.7 | 20 |
| Bromodichloromethane | A | 10.0 | 9.49 | 0.3940258 | 0.3737805 | | -5.1 | 20 |
| Bromoform | A | 10.0 | 8.54 | 0.5234936 | 0.4469881 | | -14.6 | 20 |
| Bromomethane | A | 10.0 | 9.87 | 0.3079598 | 0.3040074 | | -1.3 | 20 |
| 2-Butanone (MEK) | A | 100 | 107 | 0.2634095 | 0.2816966 | | 6.9 | 20 |
| Carbon Disulfide | A | 100 | 89.2 | 1.250483 | 1.115165 | | -10.8 | 20 |
| Carbon Tetrachloride | A | 10.0 | 8.75 | 0.528229 | 0.4623217 | | -12.5 | 20 |
| Chlorobenzene | A | 10.0 | 9.47 | 1.57638 | 1.493394 | | -5.3 | 20 |
| Chlorodibromomethane | A | 10.0 | 9.55 | 0.3363907 | 0.3211397 | | -4.5 | 20 |
| Chloroethane | A | 10.0 | 8.52 | 0.3601205 | 0.3066972 | | -14.8 | 20 |
| Chloroform | A | 10.0 | 9.07 | 0.7591359 | 0.6884896 | | -9.3 | 20 |
| Chloromethane | A | 10.0 | 8.26 | 0.7095398 | 0.5861156 | | -17.4 | 20 |
| Cyclohexane | A | 10.0 | 10.2 | 0.7080121 | 0.7200044 | | 1.7 | 20 |
| 1,2-Dibromo-3-chloropropane (DBCP) | A | 10.0 | 8.93 | 0.1649304 | 0.147218 | | -10.7 | 20 |
| 1,2-Dibromoethane (EDB) | A | 10.0 | 10.2 | 0.299296 | 0.3058404 | | 2.2 | 20 |
| 1,2-Dichlorobenzene | A | 10.0 | 9.96 | 1.213634 | 1.209192 | | -0.4 | 20 |
| 1,3-Dichlorobenzene | A | 10.0 | 9.80 | 1.193097 | 1.169185 | | -2.0 | 20 |
| 1,4-Dichlorobenzene | A | 10.0 | 9.35 | 1.270795 | 1.188784 | | -6.5 | 20 |
| Dichlorodifluoromethane (Freon 12) | A | 10.0 | 10.0 | 0.4341094 | 0.4363607 | | 0.5 | 20 |
| 1,1-Dichloroethane | A | 10.0 | 9.12 | 0.787926 | 0.718752 | | -8.8 | 20 |
| 1,2-Dichloroethane | A | 10.0 | 9.09 | 0.4276246 | 0.3889043 | | -9.1 | 20 |
| 1,1-Dichloroethylene | A | 10.0 | 8.51 | 0.6503172 | 0.5537079 | | -14.9 | 20 |
| cis-1,2-Dichloroethylene | A | 10.0 | 9.47 | 0.6864345 | 0.6500272 | | -5.3 | 20 |
| trans-1,2-Dichloroethylene | A | 10.0 | 8.84 | 0.6178868 | 0.546096 | | -11.6 | 20 |
| 1,2-Dichloropropane | A | 10.0 | 10.2 | 0.306328 | 0.3111352 | | 1.6 | 20 |
| cis-1,3-Dichloropropene | A | 10.0 | 10.2 | 0.4734604 | 0.4809197 | | 1.6 | 20 |
| trans-1,3-Dichloropropene | A | 10.0 | 10.1 | 0.4080538 | 0.4127529 | | 1.2 | 20 |

# 7 - FORM VII

## CONTINUING CALIBRATION VERIFICATION

SW-846 8260D

| | | | |
|---|---|---|---|
| Laboratory: | Pace New England | Work Order: | 23D0848 |
| Client: | NYDEC_GES - Amherst, NY | Project: | 275 Franklin St, Buffalo, NY - CO 144192 |
| Instrument ID: | GCMSVOA3 | Calibration: | 2200537 |
| Lab File ID: | C22V10302.D | Calibration Date: | 08/08/22 10:18 |
| Sequence: | S085958 | Injection Date: | 04/13/23 |
| Lab Sample ID: | S085958-CCV1 | Injection Time: | 10:39 |

| | | CONC. (µg/L) | | RESPONSE FACTOR | | | % DIFF / DRIFT | | |
|---|---|---|---|---|---|---|---|---|---|
| COMPOUND | TYPE | STD | CCV | ICAL | CCV | MIN (#) | CCV | LIMIT (#) | |
| 1,4-Dioxane | A | 100 | 92.2 | 4.731593E-03 | 4.360163E-03 | | -7.8 | 20 | |
| Ethylbenzene | A | 10.0 | 9.75 | 2.549064 | 2.484978 | | -2.5 | 20 | |
| 2-Hexanone (MBK) | A | 100 | 105 | 0.2843475 | 0.2980393 | | 4.8 | 20 | |
| Isopropylbenzene (Cumene) | A | 10.0 | 9.62 | 2.395221 | 2.30471 | | -3.8 | 20 | |
| Methyl Acetate | A | 10.0 | 7.54 | 0.7088624 | 0.534357 | | -24.6 | 20 | * |
| Methyl tert-Butyl Ether (MTBE) | A | 10.0 | 9.71 | 1.412808 | 1.371698 | | -2.9 | 20 | |
| Methyl Cyclohexane | A | 10.0 | 11.0 | 0.3308172 | 0.3643098 | | 10.1 | 20 | |
| Methylene Chloride | A | 10.0 | 8.87 | 0.6427786 | 0.5701296 | | -11.3 | 20 | |
| 4-Methyl-2-pentanone (MIBK) | A | 100 | 102 | 0.4112112 | 0.4208135 | | 2.3 | 20 | |
| Styrene | A | 10.0 | 9.91 | 1.683114 | 1.667783 | | -0.9 | 20 | |
| 1,1,2,2-Tetrachloroethane | A | 10.0 | 9.21 | 0.9177436 | 0.8454243 | | -7.9 | 20 | |
| Tetrachloroethylene | A | 10.0 | 9.72 | 0.2808079 | 0.2730258 | | -2.8 | 20 | |
| Toluene | A | 10.0 | 9.84 | 1.195157 | 1.175452 | | -1.6 | 20 | |
| 1,2,3-Trichlorobenzene | A | 10.0 | 10.3 | 0.6638408 | 0.6860208 | | 3.3 | 20 | |
| 1,2,4-Trichlorobenzene | A | 10.0 | 10.2 | 0.6791191 | 0.6929509 | | 2.0 | 20 | |
| 1,1,1-Trichloroethane | A | 10.0 | 8.99 | 0.6322124 | 0.5685941 | | -10.1 | 20 | |
| 1,1,2-Trichloroethane | A | 10.0 | 10.0 | 0.2797054 | 0.2798564 | | 0.05 | 20 | |
| Trichloroethylene | A | 10.0 | 9.57 | 0.2768359 | 0.264813 | | -4.3 | 20 | |
| Trichlorofluoromethane (Freon 11) | A | 10.0 | 8.62 | 0.6391431 | 0.5508875 | | -13.8 | 20 | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | A | 10.0 | 9.38 | 0.377547 | 0.3540237 | | -6.2 | 20 | |
| Vinyl Chloride | A | 10.0 | 10.1 | 0.5221577 | 0.5286399 | | 1.2 | 20 | |
| m+p Xylene | A | 20.0 | 19.4 | 1.99021 | 1.932929 | | -2.9 | 20 | |
| o-Xylene | A | 10.0 | 9.45 | 2.094658 | 1.980368 | | -5.5 | 20 | |
| 1,2-Dichloroethane-d4 | A | 25.0 | 23.2 | 0.5629535 | 0.5222433 | | -7.2 | | |
| Toluene-d8 | A | 25.0 | 25.7 | 1.188132 | 1.222057 | | 2.9 | | |
| 4-Bromofluorobenzene | A | 25.0 | 24.1 | 0.8894447 | 0.8563215 | | -3.7 | | |

# 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\C041323\
Data File : C22V10302.D
Acq On : 13 Apr 2023 10:39 am
Operator :
Sample : BFB/8260 STD 10PPB 2303196 Inst : GCMSVOA3
Misc :
ALS Vial : 2 Sample Multiplier: 1



Quant Time: Apr 13 10:54:27 2023
Quant Method : C:\msdchem\1\methods\C080822.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
QLast Update : Thu Dec 08 06:26:11 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) PENTAFLUOROBENZENE - ISTD | 4.292 | 168 | 275490 | 30.00 | UG/L | -0.02 |
| 48) 1,4-DIFLUOROBENZENE - ... | 5.011 | 114 | 410214 | 30.00 | UG/L | -0.01 |
| 70) CHLOROBENZENE-D5 ISTD | 7.844 | 82 | 214348 | 30.00 | UG/L | 0.00 |
| 89) 1,4-DICHLOROBENZENE-D4... | 10.137 | 152 | 211686 | 30.00 | UG/L | #-0.01 |
| System Monitoring Compounds | | | | | | |
| 2) 1,2-DICHLOROETHANE-D4 SS | 4.562 | 65 | 119894 | 23.19 | UG/L | -0.02 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 92.76% | | | |
| 49) TOLUENE SS | 6.447 | 98 | 417754 | 25.71 | UG/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 102.84% | | | |
| 71) 4-BROMOFLUOROBENZENE SS | 9.002 | 95 | 152959 | 24.07 | UG/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 96.28% | | | |
| Target Compounds | | | | | | Qvalue |
| 3) DICHLORODIFLUOROMETHANE | 1.124 | 85 | 40071 | 10.05 | UG/L | 97 |
| 4) DIFLUOROCHLOROMETHANE | 1.129 | 51 | 58082 | 11.06 | UG/L # | 100 |
| 5) CHLOROMETHANE | 1.235 | 50 | 53823m | 8.26 | UG/L | |
| 6) VINYL CHLORIDE | 1.305 | 62 | 48545 | 10.12 | UG/L | 94 |
| 7) BROMOMETHANE | 1.497 | 94 | 27917 | 9.87 | UG/L | 98 |
| 8) CHLOROETHANE | 1.567 | 64 | 28164 | 8.52 | UG/L | 98 |
| 9) FLUORODICHLOROMETHANE | 1.693 | 67 | 71139 | 9.22 | UG/L | 98 |
| 10) TRICHLOROFLUOROMETHANE | 1.734 | 101 | 50588 | 8.62 | UG/L | 97 |
| 11) ETHANOL | 1.865 | 45 | 8119 | 85.28 | UG/L # | 90 |
| 12) DI ETHYL ETHER | 1.927 | 59 | 33400 | 9.79 | UG/L | 97 |
| 13) ACROLEIN | 2.022 | 56 | 113431 | 135.04 | UG/L | 97 |
| 14) ACETONE | 2.133 | 43 | 157434 | 94.15 | UG/L | 96 |
| 15) 1,1-DICHLOROETHENE | 2.094 | 61 | 50847 | 8.51 | UG/L | 96 |
| 16) 1,1,2-TRICL-1,2,2-TRIF... | 2.097 | 101 | 32510 | 9.38 | UG/L | 86 |
| 17) IODOMETHANE | 2.211 | 142 | 495112 | 99.48 | UG/L | 98 |
| 20) METHYL ACETATE | 2.393 | 43 | 49070 | 7.54 | UG/L | 99 |
| 21) T-BUTYL ALCOHOL | 2.593 | 59 | 53493 | 81.09 | UG/L # | 94 |
| 22) ACRYLONITRILE | 2.696 | 53 | 20541 | 9.90 | UG/L | 96 |
| 23) METHYLENE CHLORIDE | 2.476 | 49 | 52355 | 8.87 | UG/L | 98 |
| 24) CARBON DISULFIDE | 2.267 | 76 | 1024056 | 89.18 | UG/L | 100 |
| 25) METHYL TERT-BUTYL ETHE... | 2.736 | 73 | 125963 | 9.71 | UG/L | 100 |
| 26) TRANS 1,2-DICHLOROETHENE | 2.724 | 61 | 50148 | 8.84 | UG/L | 96 |
| 27) 1,1-DICHLOROETHANE | 3.143 | 63 | 66003 | 9.12 | UG/L | 97 |
| 28) VINYL ACETATE | 3.212 | 43 | 1149500 | 95.37 | UG/L | 100 |
| 29) DI ISOPROYL ETHER | 3.235 | 45 | 149913 | 10.47 | UG/L | 99 |
| 31) 2-BUTANONE | 3.776 | 43 | 258682 | 106.94 | UG/L | 98 |
| 32) T-BUTYL ETHYL ETHER | 3.614 | 59 | 134175 | 10.56 | UG/L | 98 |
| 33) CIS-1,2-DICHLOROETHENE | 3.737 | 61 | 59692 | 9.47 | UG/L | 91 |
| 34) 2,2-DICHLOROPROPANE | 3.737 | 77 | 52299 | 9.35 | UG/L | 93 |
| 35) ETHYL ACETATE | 3.848 | 43 | 54042 | 9.05 | UG/L | 96 |
| 38) BROMOCHLOROMETHANE | 3.979 | 49 | 35411 | 10.17 | UG/L | 98 |
| 39) TETRAHYDROFURAN | 4.049 | 42 | 17258 | 10.02 | UG/L | 95 |
| 40) CHLOROFORM | 4.066 | 83 | 63224 | 9.07 | UG/L | 95 |
| 41) 1,1,1-TRICHLOROETHANE | 4.244 | 97 | 52214 | 8.99 | UG/L | 95 |
| 42) CYCLOHEXANE | 4.292 | 56 | 66118 | 10.17 | UG/L | 95 |
| 43) CARBON TETRACHLORIDE | 4.403 | 117 | 42455 | 8.75 | UG/L | 96 |
| 44) 1,1-DICHLOROPROPENE | 4.409 | 75 | 48202 | 9.59 | UG/L | 95 |
| 45) BENZENE | 4.615 | 78 | 148860 | 9.72 | UG/L | 99 |
| 47) T-AMYLMETHYL ETHER | 4.757 | 73 | 129683 | 10.76 | UG/L | 95 |
| 50) 1,2-DICHLOROETHANE | 4.637 | 62 | 53178 | 9.09 | UG/L | 100 |
| 51) TRICHLOROETHENE | 5.256 | 95 | 36210 | 9.57 | UG/L | 94 |
| 52) METHYLCYCLOHEXANE | 5.435 | 83 | 49815 | 11.01 | UG/L | 97 |
| 53) 1,2-DICHLOROPROPANE | 5.477 | 63 | 42544 | 10.16 | UG/L | 99 |

Data Path : C:\msdchem\1\data\C041323\
Data File : C22V10302.D
Acq On : 13 Apr 2023 10:39 am
Operator :
Sample : BFB/8260 STD 10PPB 2303196 Inst : GCMSVOA3
Misc :
ALS Vial : 2 Sample Multiplier: 1



Quant Time: Apr 13 10:54:27 2023
Quant Method : C:\msdchem\1\methods\C080822.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
QLast Update : Thu Dec 08 06:26:11 2022
Response via : Initial Calibration

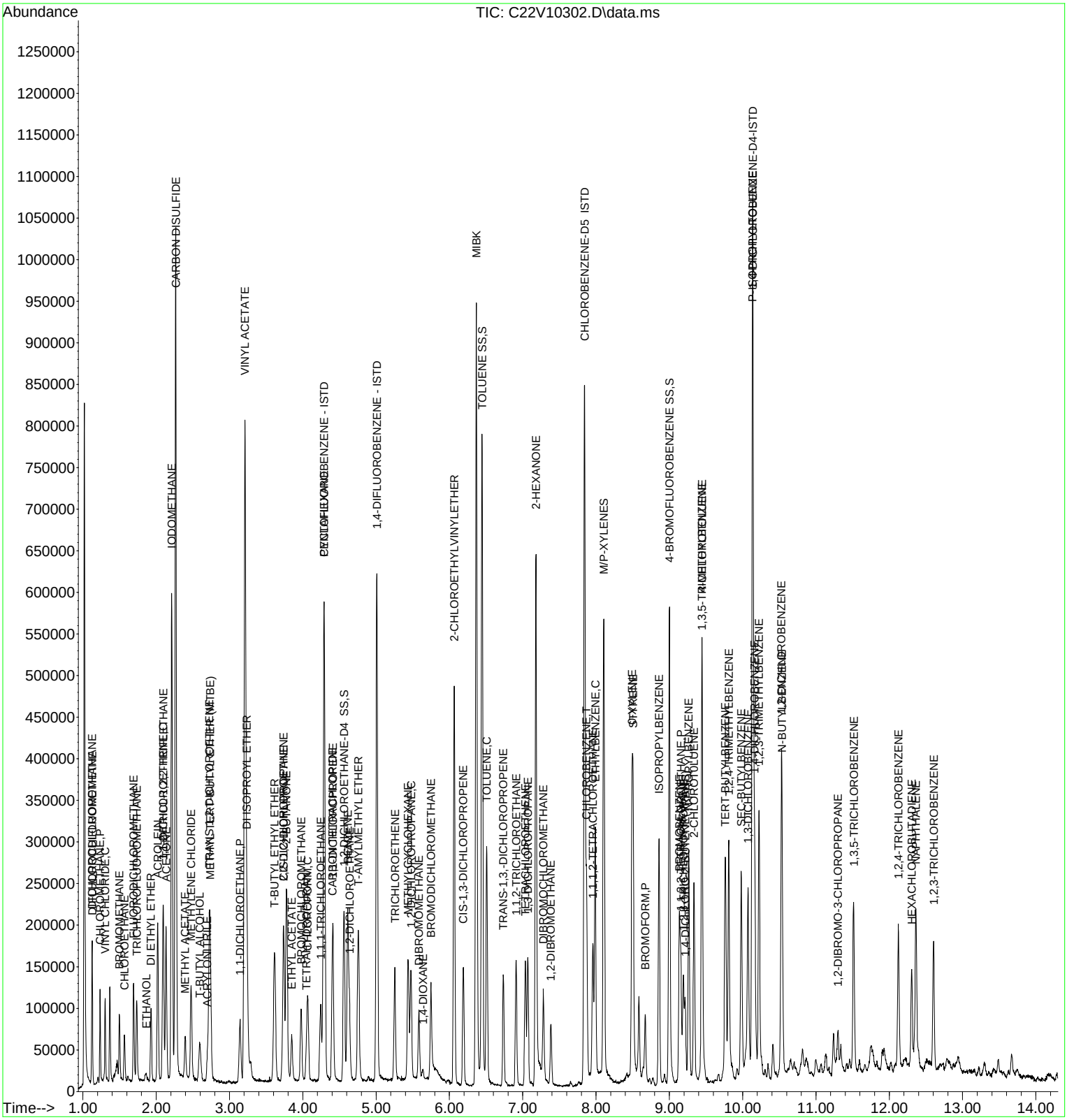
| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 54) DIBROMOMETHANE | 5.583 | 93 | 24756 | 9.07 | UG/L | | 97 |
| 56) 1,4-DIOXANE | 5.639 | 88 | 5962 | 92.15 | UG/L | # | 67 |
| 57) BROMODICHLOROMETHANE | 5.747 | 83 | 51110 | 9.49 | UG/L | | 96 |
| 58) 2-CHLOROETHYLVINYLETHER | 6.065 | 63 | 160311 | 71.88 | UG/L | | 93 |
| 59) MIBK | 6.366 | 43 | 575412 | 102.34 | UG/L | | 98 |
| 60) CIS-1,3-DICHLOROPROPENE | 6.188 | 75 | 65760 | 10.16 | UG/L | | 96 |
| 61) TOLUENE | 6.509 | 91 | 160729 | 9.84 | UG/L | | 99 |
| 62) TRANS-1,3,-DICHLOROPRO... | 6.734 | 75 | 56439 | 10.12 | UG/L | | 96 |
| 64) 1,1,2-TRICHLOROETHANE | 6.910 | 97 | 38267 | 10.01 | UG/L | | 96 |
| 65) 2-HEXANONE | 7.181 | 43 | 407533 | 104.82 | UG/L | | 96 |
| 66) TETRACHLOROETHENE | 7.036 | 166 | 37333 | 9.72 | UG/L | | 97 |
| 67) 1,3-DICHLOROPROPANE | 7.069 | 76 | 70596 | 10.38 | UG/L | | 100 |
| 68) DIBROMOCHLOROMETHANE | 7.281 | 129 | 43912 | 9.55 | UG/L | | 94 |
| 69) 1,2-DIBROMOETHANE | 7.381 | 107 | 41820 | 10.22 | UG/L | | 99 |
| 72) CHLOROBENZENE | 7.869 | 112 | 106702 | 9.47 | UG/L | | 95 |
| 73) 1,1,1,2-TETRACHLOROETHANE | 7.956 | 131 | 38970 | 9.33 | UG/L | | 99 |
| 74) ETHYLBENZENE | 7.989 | 91 | 177550 | 9.75 | UG/L | | 96 |
| 75) M/P-XYLENES | 8.106 | 91 | 276213 | 19.42 | UG/L | | 98 |
| 76) 0-XYLENE | 8.491 | 91 | 141496 | 9.45 | UG/L | | 97 |
| 77) STYRENE | 8.505 | 104 | 119162 | 9.91 | UG/L | | 96 |
| 78) BROMOFORM | 8.670 | 173 | 31937 | 8.54 | UG/L | | 99 |
| 79) ISOPROPYLBENZENE | 8.859 | 105 | 164670 | 9.62 | UG/L | | 99 |
| 81) 1,1,2,2-TETRACHLOROETHANE | 9.158 | 83 | 60405 | 9.21 | UG/L | | 94 |
| 82) 1,4-DICHLORO-2-BUTENE(... | 9.216 | 53 | 17387 | 10.15 | UG/L | | 89 |
| 83) BROMOBENZENE | 9.135 | 77 | 70032 | 9.38 | UG/L | | 95 |
| 84) 1,2,3-TRICHLOROPROPANE | 9.191 | 75 | 67155 | 12.49 | UG/L | # | 79 |
| 85) N-PROPYLBENZENE | 9.264 | 91 | 191693 | 10.02 | UG/L | | 97 |
| 86) 2-CHLOROT0LUENE | 9.336 | 91 | 116415 | 9.33 | UG/L | | 99 |
| 87) 1,3,5-TRIMETHYLBENZENE | 9.442 | 105 | 135939 | 9.69 | UG/L | | 98 |
| 88) 4-CHLOROTOLUENE | 9.445 | 91 | 136955 | 9.66 | UG/L | | 98 |
| 90) TERT-BUTYLBENZENE | 9.760 | 119 | 111352 | 9.82 | UG/L | | 98 |
| 91) 1,2,4-TRIMETHYLBENZENE | 9.810 | 105 | 139955 | 10.04 | UG/L | | 97 |
| 92) SEC-BUTYLBENZENE | 9.980 | 105 | 151866 | 10.04 | UG/L | | 97 |
| 93) 1,3-DICHLOROBENZENE | 10.072 | 146 | 82500 | 9.80 | UG/L | | 99 |
| 94) P-ISOPROPYLTOLUENE | 10.131 | 119 | 134296 | 10.33 | UG/L | | 99 |
| 95) 1,4-DICHLOROBENZENE | 10.162 | 146 | 83883 | 9.35 | UG/L | | 95 |
| 96) 1,2,3-TRIMETHYLBENZENE | 10.223 | 105 | 163023 | 10.55 | UG/L | # | 100 |
| 97) N-BUTYLBENZENE | 10.538 | 91 | 123646 | 11.31 | UG/L | | 97 |
| 98) 1,2-DICHLOROBENZENE | 10.530 | 146 | 85323 | 9.96 | UG/L | | 98 |
| 99) 1,2-DIBROMO-3-CHLOROPR... | 11.299 | 75 | 10388 | 8.93 | UG/L | | 95 |
| 100) 1,3,5-TRICHLOROBENZENE | 11.517 | 180 | 61403 | 11.74 | UG/L | | 99 |
| 101) 1,2,4-TRICHLOROBENZENE | 12.122 | 180 | 48896 | 10.20 | UG/L | | 96 |
| 102) HEXACHLOROBUTADIENE | 12.306 | 225 | 23109 | 11.48 | UG/L | | 97 |
| 103) NAPHTHALENE | 12.365 | 128 | 144070 | 10.03 | UG/L | | 99 |
| 104) 1,2,3-TRICHLOROBENZENE | 12.607 | 180 | 48407 | 10.33 | UG/L | | 98 |

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

Data Path : C:\msdchem\1\data\C041323\
Data File : C22V10302.D
Acq On : 13 Apr 2023 10:39 am
Operator :
Sample : BFB/8260 STD 10PPB 2303196 Inst : GCMSVOA3
Misc :
ALS Vial : 2 Sample Multiplier: 1



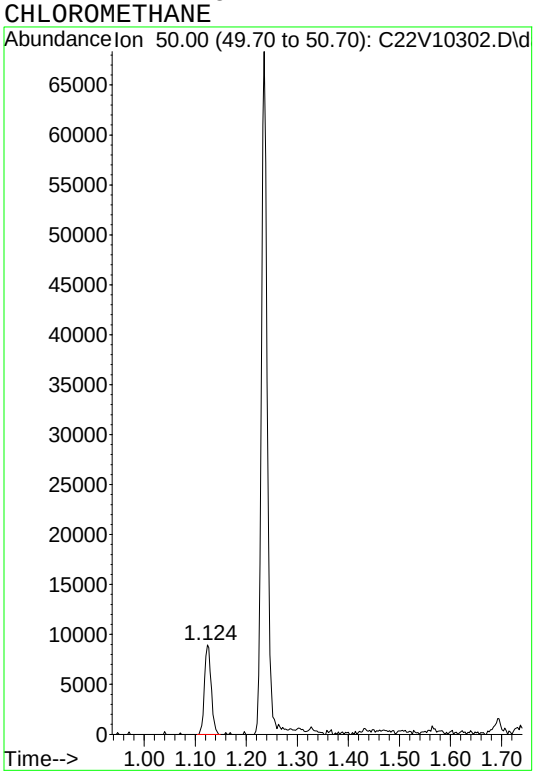
Quant Time: Apr 13 10:54:27 2023
Quant Method : C:\msdchem\1\methods\C080822.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
QLast Update : Thu Dec 08 06:26:11 2022
Response via : Initial Calibration



Data Path : C:\msdchem\1\data\C041323\
Data File : C22V10302.D
Acq On : 13 Apr 2023 10:39 am
Operator :
Sample : BFB/8260 STD 10PPB 2303196
Misc :

Quant Time : Thu Apr 13 10:54:27 2023
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Thu Dec 08 06:26:11 2022

Original Integration
CHLOROMETHANE




Original Int. Results
---

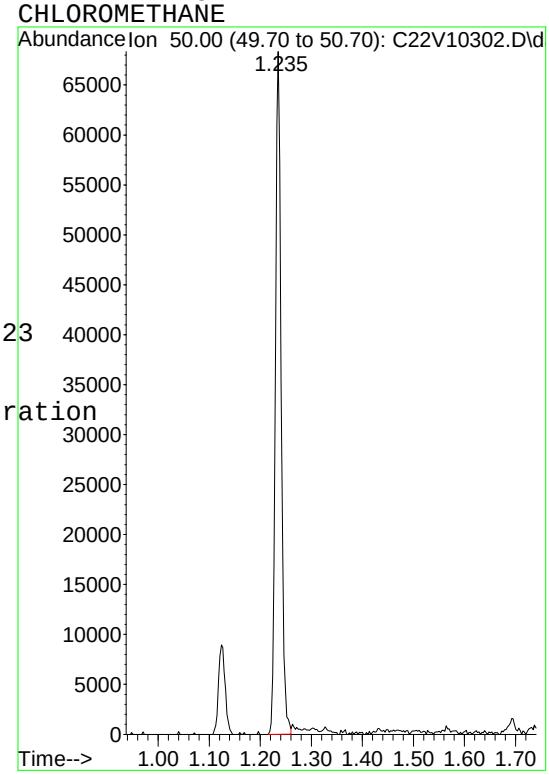
RT : 1.12
Area : 8166
Amount: 1.25328

Manual Int. Results
---

Thu Apr 13 10:54:27 2023

MIuser: MFF
Reason: Incorret Integration
RT : 1.24
Area : 53823
Amount: 8.2605

Manual Integration
CHLOROMETHANE



# CONTINUING CALIBRATION VERIFICATION

## SW-846 8260D

| | | | |
|---|---|---|---|
| Laboratory: | Pace New England | Work Order: | 23D0848 |
| Client: | NYDEC_GES - Amherst, NY | Project: | 275 Franklin St, Buffalo, NY - CO 144192 |
| Instrument ID: | GCMSVOA3 | Calibration: | 2200537 |
| Lab File ID: | C22V10487.D | Calibration Date: | 08/08/22 10:18 |
| Sequence: | S086046 | Injection Date: | 04/16/23 |
| Lab Sample ID: | S086046-CCV1 | Injection Time: | 00:54 |

| | | CONC. (µg/L) | | RESPONSE FACTOR | | | % DIFF / DRIFT | | |
|---|---|---|---|---|---|---|---|---|---|
| COMPOUND | TYPE | STD | CCV | ICAL | CCV | MIN (#) | CCV | LIMIT (#) | |
| Acetone | A | 100 | 91.0 | 0.1820924 | 0.1657154 | | -9.0 | 20 | |
| Benzene | A | 10.0 | 10.4 | 1.667645 | 1.730722 | | 3.8 | 20 | |
| Bromochloromethane | A | 10.0 | 10.3 | 0.3793018 | 0.3898811 | | 2.8 | 20 | |
| Bromodichloromethane | A | 10.0 | 9.28 | 0.3940258 | 0.3658108 | | -7.2 | 20 | |
| Bromoform | A | 10.0 | 8.31 | 0.5234936 | 0.4347659 | | -16.9 | 20 | |
| Bromomethane | A | 10.0 | 9.95 | 0.3079598 | 0.3063528 | | -0.5 | 20 | |
| 2-Butanone (MEK) | A | 100 | 104 | 0.2634095 | 0.2726316 | | 3.5 | 20 | |
| tert-Butyl Alcohol (TBA) | A | 100 | 76.6 | 7.183306E-02 | 5.503882E-02 | | -23.4 | 20 | * |
| Carbon Disulfide | A | 100 | 89.0 | 1.250483 | 1.113291 | | -11.0 | 20 | |
| Carbon Tetrachloride | A | 10.0 | 8.94 | 0.528229 | 0.4724979 | | -10.6 | 20 | |
| Chlorobenzene | A | 10.0 | 9.54 | 1.57638 | 1.503844 | | -4.6 | 20 | |
| Chlorodibromomethane | A | 10.0 | 8.84 | 0.3363907 | 0.2975127 | | -11.6 | 20 | |
| Chloroethane | A | 10.0 | 8.94 | 0.3601205 | 0.3218606 | | -10.6 | 20 | |
| Chloroform | A | 10.0 | 9.17 | 0.7591359 | 0.6964683 | | -8.3 | 20 | |
| Chloromethane | A | 10.0 | 8.89 | 0.7095398 | 0.630453 | | -11.1 | 20 | |
| Cyclohexane | A | 10.0 | 10.4 | 0.7080121 | 0.7355437 | | 3.9 | 20 | |
| 1,2-Dibromo-3-chloropropane (DBCP) | A | 10.0 | 8.45 | 0.1649304 | 0.1393808 | | -15.5 | 20 | |
| 1,2-Dibromoethane (EDB) | A | 10.0 | 9.63 | 0.299296 | 0.2883299 | | -3.7 | 20 | |
| 1,2-Dichlorobenzene | A | 10.0 | 9.73 | 1.213634 | 1.18064 | | -2.7 | 20 | |
| 1,3-Dichlorobenzene | A | 10.0 | 9.47 | 1.193097 | 1.130206 | | -5.3 | 20 | |
| 1,4-Dichlorobenzene | A | 10.0 | 9.52 | 1.270795 | 1.209613 | | -4.8 | 20 | |
| Dichlorodifluoromethane (Freon 12) | A | 10.0 | 10.4 | 0.4341094 | 0.4503366 | | 3.7 | 20 | |
| 1,1-Dichloroethane | A | 10.0 | 9.28 | 0.787926 | 0.7309343 | | -7.2 | 20 | |
| 1,2-Dichloroethane | A | 10.0 | 9.52 | 0.4276246 | 0.4070954 | | -4.8 | 20 | |
| 1,1-Dichloroethylene | A | 10.0 | 8.74 | 0.6503172 | 0.5682007 | | -12.6 | 20 | |
| cis-1,2-Dichloroethylene | A | 10.0 | 8.77 | 0.6864345 | 0.6016641 | | -12.3 | 20 | |
| trans-1,2-Dichloroethylene | A | 10.0 | 8.63 | 0.6178868 | 0.5333571 | | -13.7 | 20 | |
| 1,2-Dichloropropane | A | 10.0 | 10.3 | 0.306328 | 0.3142729 | | 2.6 | 20 | |
| cis-1,3-Dichloropropene | A | 10.0 | 9.02 | 0.4734604 | 0.4270751 | | -9.8 | 20 | |

# CONTINUING CALIBRATION VERIFICATION

## SW-846 8260D

| | | | |
|---|---|---|---|
| Laboratory: | Pace New England | Work Order: | 23D0848 |
| Client: | NYDEC_GES - Amherst, NY | Project: | 275 Franklin St, Buffalo, NY - CO 144192 |
| Instrument ID: | GCMSVOA3 | Calibration: | 2200537 |
| Lab File ID: | C22V10487.D | Calibration Date: | 08/08/22 10:18 |
| Sequence: | S086046 | Injection Date: | 04/16/23 |
| Lab Sample ID: | S086046-CCV1 | Injection Time: | 00:54 |

| | | CONC. (µg/L) | | RESPONSE FACTOR | | | % DIFF / DRIFT | | |
|---|---|---|---|---|---|---|---|---|---|
| COMPOUND | TYPE | STD | CCV | ICAL | CCV | MIN (#) | CCV | LIMIT (#) | |
| trans-1,3-Dichloropropene | A | 10.0 | 8.71 | 0.4080538 | 0.3554981 | | -12.9 | 20 | |
| 1,4-Dioxane | A | 100 | 80.4 | 4.731593E-03 | 3.802264E-03 | | -19.6 | 20 | |
| Ethylbenzene | A | 10.0 | 9.97 | 2.549064 | 2.541039 | | -0.3 | 20 | |
| 2-Hexanone (MBK) | A | 100 | 96.0 | 0.2843475 | 0.273069 | | -4.0 | 20 | |
| Isopropylbenzene (Cumene) | A | 10.0 | 9.67 | 2.395221 | 2.315772 | | -3.3 | 20 | |
| Methyl Acetate | A | 10.0 | 7.90 | 0.7088624 | 0.560297 | | -21.0 | 20 | * |
| Methyl tert-Butyl Ether (MTBE) | A | 10.0 | 9.65 | 1.412808 | 1.363809 | | -3.5 | 20 | |
| Methyl Cyclohexane | A | 10.0 | 10.6 | 0.3308172 | 0.3520152 | | 6.4 | 20 | |
| Methylene Chloride | A | 10.0 | 9.00 | 0.6427786 | 0.5786563 | | -10.0 | 20 | |
| 4-Methyl-2-pentanone (MIBK) | A | 100 | 98.3 | 0.4112112 | 0.4041027 | | -1.7 | 20 | |
| Styrene | A | 10.0 | 9.86 | 1.683114 | 1.65917 | | -1.4 | 20 | |
| 1,1,2,2-Tetrachloroethane | A | 10.0 | 9.40 | 0.9177436 | 0.8623765 | | -6.0 | 20 | |
| Tetrachloroethylene | A | 10.0 | 9.48 | 0.2808079 | 0.2661585 | | -5.2 | 20 | |
| Toluene | A | 10.0 | 9.76 | 1.195157 | 1.166104 | | -2.4 | 20 | |
| 1,2,3-Trichlorobenzene | A | 10.0 | 9.14 | 0.6638408 | 0.6069358 | | -8.6 | 20 | |
| 1,2,4-Trichlorobenzene | A | 10.0 | 9.23 | 0.6791191 | 0.6271369 | | -7.7 | 20 | |
| 1,1,1-Trichloroethane | A | 10.0 | 9.18 | 0.6322124 | 0.5804793 | | -8.2 | 20 | |
| 1,1,2-Trichloroethane | A | 10.0 | 9.96 | 0.2797054 | 0.2787053 | | -0.4 | 20 | |
| Trichloroethylene | A | 10.0 | 9.60 | 0.2768359 | 0.2658187 | | -4.0 | 20 | |
| Trichlorofluoromethane (Freon 11) | A | 10.0 | 8.69 | 0.6391431 | 0.5552971 | | -13.1 | 20 | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | A | 10.0 | 8.87 | 0.377547 | 0.3348553 | | -11.3 | 20 | |
| 1,2,4-Trimethylbenzene | A | 10.0 | 9.54 | 1.974771 | 1.883199 | | -4.6 | 20 | |
| 1,3,5-Trimethylbenzene | A | 10.0 | 9.65 | 1.963624 | 1.894802 | | -3.5 | 20 | |
| Vinyl Chloride | A | 10.0 | 10.4 | 0.5221577 | 0.5449065 | | 4.4 | 20 | |
| m+p Xylene | A | 20.0 | 19.6 | 1.99021 | 1.95365 | | -1.8 | 20 | |
| o-Xylene | A | 10.0 | 9.68 | 2.094658 | 2.027512 | | -3.2 | 20 | |
| 1,2-Dichloroethane-d4 | A | 25.0 | 24.8 | 0.5629535 | 0.5573986 | | -1.0 | | |
| Toluene-d8 | A | 25.0 | 25.1 | 1.188132 | 1.190747 | | 0.2 | | |
| 4-Bromofluorobenzene | A | 25.0 | 24.0 | 0.8894447 | 0.8546445 | | -3.9 | | |

# 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\C041423\
Data File : C22V10487.D
Acq On : 16 Apr 2023 12:54 am
Operator :
Sample : 8260STD 10PPB 2303196 Inst : GCMSVOA3
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 17 05:34:23 2023
Quant Method : C:\msdchem\1\methods\C080822.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
QLast Update : Thu Dec 08 06:26:11 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) PENTAFLUOROBENZENE - ISTD | 4.292 | 168 | 230401 | 30.00 | UG/L | | -0.02 |
| 48) 1,4-DIFLUOROBENZENE - ... | 5.011 | 114 | 353158 | 30.00 | UG/L | | -0.01 |
| 70) CHLOROBENZENE-D5 ISTD | 7.842 | 82 | 174832 | 30.00 | UG/L | | 0.00 |
| 89) 1,4-DICHLOROBENZENE-D4... | 10.139 | 152 | 176129 | 30.00 | UG/L | # | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 2) 1,2-DICHLOROETHANE-D4 SS | 4.562 | 65 | 107021 | 24.75 | UG/L | | -0.02 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 99.00% | | | | |
| 49) TOLUENE SS | 6.444 | 98 | 350435 | 25.06 | UG/L | | -0.01 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 100.24% | | | | |
| 71) 4-BROMOFLUOROBENZENE SS | 8.999 | 95 | 124516 | 24.02 | UG/L | | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 96.08% | | | | |
| Target Compounds | | | | | | | Qvalue |
| 3) DICHLORODIFLUOROMETHANE | 1.124 | 85 | 34586 | 10.37 | UG/L | | 95 |
| 4) DIFLUOROCHLOROMETHANE | 1.129 | 51 | 49386 | 11.24 | UG/L | # | 100 |
| 5) CHLOROMETHANE | 1.235 | 50 | 48419 | 8.89 | UG/L | # | 26 |
| 6) VINYL CHLORIDE | 1.305 | 62 | 41849 | 10.44 | UG/L | | 100 |
| 7) BROMOMETHANE | 1.500 | 94 | 23528 | 9.95 | UG/L | | 95 |
| 8) CHLOROETHANE | 1.570 | 64 | 24719 | 8.94 | UG/L | | 100 |
| 9) FLUORODICHLOROMETHANE | 1.693 | 67 | 62164 | 9.63 | UG/L | | 100 |
| 10) TRICHLOROFLUOROMETHANE | 1.734 | 101 | 42647 | 8.69 | UG/L | | 99 |
| 11) ETHANOL | 1.860 | 45 | 7086 | 89.00 | UG/L | # | 82 |
| 12) DI ETHYL ETHER | 1.932 | 59 | 28303 | 9.92 | UG/L | | 97 |
| 13) ACROLEIN | 2.024 | 56 | 80213 | 114.19 | UG/L | | 100 |
| 14) ACETONE | 2.139 | 43 | 127270 | 91.01 | UG/L | | 95 |
| 15) 1,1-DICHLOROETHENE | 2.097 | 61 | 43638 | 8.74 | UG/L | | 96 |
| 16) 1,1,2-TRICL-1,2,2-TRIF... | 2.097 | 101 | 25717 | 8.87 | UG/L | | 90 |
| 17) IODOMETHANE | 2.211 | 142 | 409121 | 98.28 | UG/L | | 100 |
| 20) METHYL ACETATE | 2.395 | 43 | 43031 | 7.90 | UG/L | | 98 |
| 21) T-BUTYL ALCOHOL | 2.602 | 59 | 42270 | 76.62 | UG/L | # | 100 |
| 22) ACRYLONITRILE | 2.702 | 53 | 17328 | 9.99 | UG/L | | 99 |
| 23) METHYLENE CHLORIDE | 2.476 | 49 | 44441 | 9.00 | UG/L | | 98 |
| 24) CARBON DISULFIDE | 2.267 | 76 | 855011 | 89.03 | UG/L | | 99 |
| 25) METHYL TERT-BUTYL ETHE... | 2.741 | 73 | 104741 | 9.65 | UG/L | | 98 |
| 26) TRANS 1,2-DICHLOROETHENE | 2.724 | 61 | 40962 | 8.63 | UG/L | | 96 |
| 27) 1,1-DICHLOROETHANE | 3.145 | 63 | 56136 | 9.28 | UG/L | | 99 |
| 28) VINYL ACETATE | 3.215 | 43 | 856438 | 84.96 | UG/L | | 100 |
| 29) DI ISOPROYL ETHER | 3.240 | 45 | 126678 | 10.58 | UG/L | | 100 |
| 31) 2-BUTANONE | 3.784 | 43 | 209382 | 103.50 | UG/L | | 98 |
| 32) T-BUTYL ETHYL ETHER | 3.617 | 59 | 109666 | 10.32 | UG/L | | 99 |
| 33) CIS-1,2-DICHLOROETHENE | 3.739 | 61 | 46208 | 8.77 | UG/L | | 98 |
| 34) 2,2-DICHLOROPROPANE | 3.737 | 77 | 28094 | 6.01 | UG/L | | 94 |
| 35) ETHYL ACETATE | 3.854 | 43 | 43008 | 8.61 | UG/L | | 97 |
| 38) BROMOCHLOROMETHANE | 3.979 | 49 | 29943 | 10.28 | UG/L | | 98 |
| 39) TETRAHYDROFURAN | 4.055 | 42 | 15031 | 10.43 | UG/L | | 96 |
| 40) CHLOROFORM | 4.071 | 83 | 53489 | 9.17 | UG/L | | 96 |
| 41) 1,1,1-TRICHLOROETHANE | 4.241 | 97 | 44581 | 9.18 | UG/L | | 96 |
| 42) CYCLOHEXANE | 4.292 | 56 | 56490 | 10.39 | UG/L | | 95 |
| 43) CARBON TETRACHLORIDE | 4.406 | 117 | 36288 | 8.94 | UG/L | | 98 |
| 44) 1,1-DICHLOROPROPENE | 4.409 | 75 | 40643 | 9.67 | UG/L | | 94 |
| 45) BENZENE | 4.612 | 78 | 132920 | 10.38 | UG/L | | 99 |
| 47) T-AMYLMETHYL ETHER | 4.757 | 73 | 111641 | 11.08 | UG/L | | 97 |
| 50) 1,2-DICHLOROETHANE | 4.637 | 62 | 47923 | 9.52 | UG/L | | 98 |
| 51) TRICHLOROETHENE | 5.256 | 95 | 31292 | 9.60 | UG/L | | 97 |
| 52) METHYLCYCLOHEXANE | 5.438 | 83 | 41439 | 10.64 | UG/L | | 96 |
| 53) 1,2-DICHLOROPROPANE | 5.474 | 63 | 36996 | 10.26 | UG/L | | 99 |

Data Path : C:\msdchem\1\data\C041423\
Data File : C22V10487.D
Acq On : 16 Apr 2023 12:54 am
Operator :
Sample : 8260STD 10PPB 2303196 Inst : GCMSVOA3
Misc :
ALS Vial : 7 Sample Multiplier: 1



Quant Time: Apr 17 05:34:23 2023
Quant Method : C:\msdchem\1\methods\C080822.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
QLast Update : Thu Dec 08 06:26:11 2022
Response via : Initial Calibration

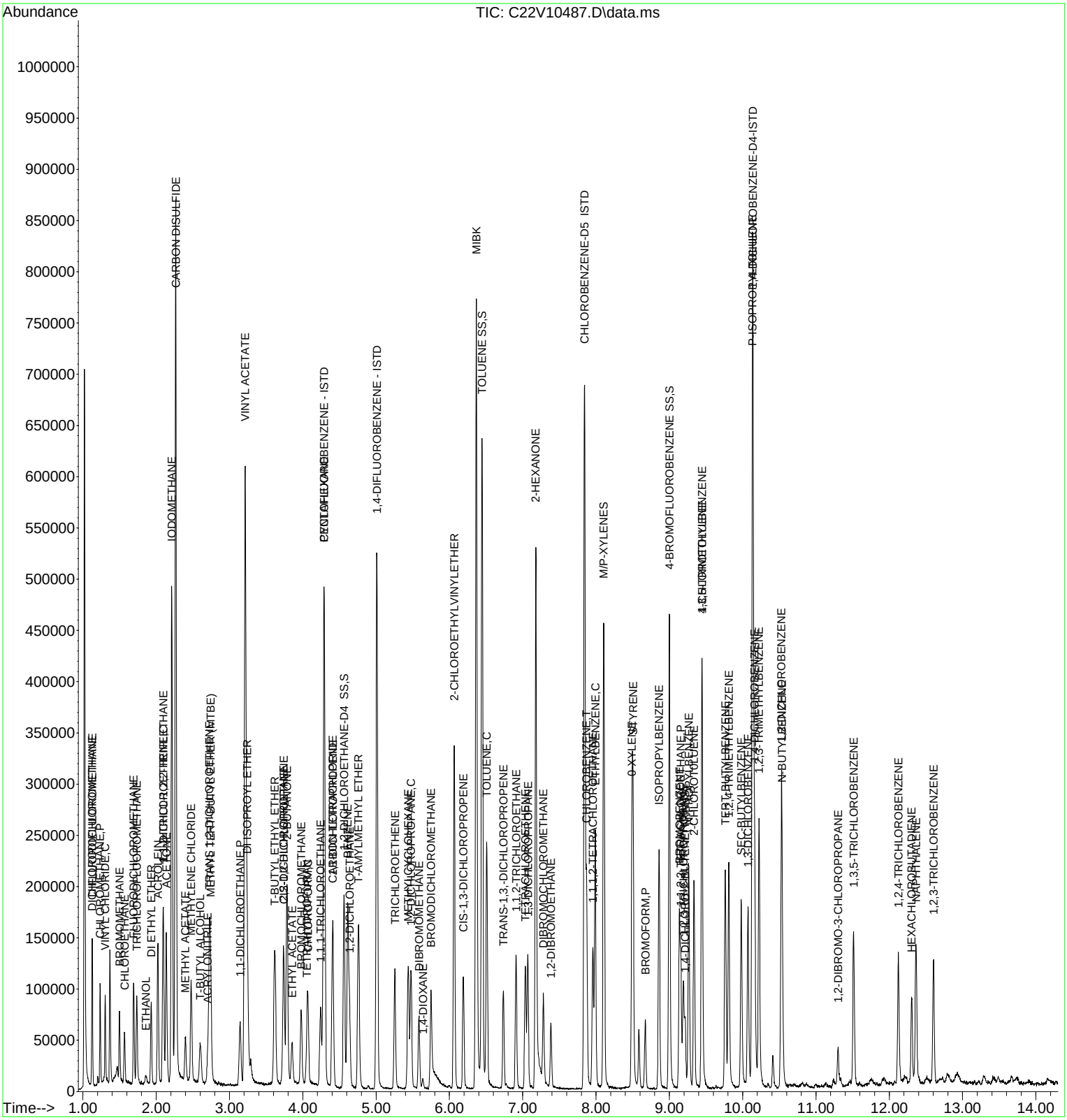
| Compound | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 54) DIBROMOMETHANE | 5.586 | 93 | 22971 | 9.77 UG/L | 90 |
| 56) 1,4-DIOXANE | 5.639 | 88 | 4476 | 80.36 UG/L # | 52 |
| 57) BROMODICHLOROMETHANE | 5.747 | 83 | 43063 | 9.28 UG/L | 98 |
| 58) 2-CHLOROETHYLVINYLETHER | 6.065 | 63 | 114844 | 59.81 UG/L | 92 |
| 59) MIBK | 6.366 | 43 | 475707 | 98.27 UG/L | 99 |
| 60) CIS-1,3-DICHLOROPROPENE | 6.191 | 75 | 50275 | 9.02 UG/L | 94 |
| 61) TOLUENE | 6.509 | 91 | 137273 | 9.76 UG/L | 99 |
| 62) TRANS-1,3,-DICHLOROPRO... | 6.737 | 75 | 41849 | 8.71 UG/L | 93 |
| 64) 1,1,2-TRICHLOROETHANE | 6.910 | 97 | 32809 | 9.96 UG/L | 96 |
| 65) 2-HEXANONE | 7.178 | 43 | 321455 | 96.03 UG/L | 97 |
| 66) TETRACHLOROETHENE | 7.036 | 166 | 31332 | 9.48 UG/L | 98 |
| 67) 1,3-DICHLOROPROPANE | 7.072 | 76 | 58352 | 9.96 UG/L | 98 |
| 68) DIBROMOCHLOROMETHANE | 7.281 | 129 | 35023 | 8.84 UG/L | 100 |
| 69) 1,2-DIBROMOETHANE | 7.384 | 107 | 33942 | 9.63 UG/L | 97 |
| 72) CHLOROBENZENE | 7.869 | 112 | 87640 | 9.54 UG/L | 93 |
| 73) 1,1,1,2-TETRACHLOROETHANE | 7.956 | 131 | 32547 | 9.56 UG/L | 97 |
| 74) ETHYLBENZENE | 7.989 | 91 | 148085 | 9.97 UG/L | 97 |
| 75) M/P-XYLENES | 8.104 | 91 | 227707 | 19.63 UG/L | 98 |
| 76) 0-XYLENE | 8.489 | 91 | 118158 | 9.68 UG/L | 96 |
| 77) STYRENE | 8.505 | 104 | 96692 | 9.86 UG/L | 96 |
| 78) BROMOFORM | 8.673 | 173 | 25337 | 8.31 UG/L # | 95 |
| 79) ISOPROPYLBENZENE | 8.859 | 105 | 134957 | 9.67 UG/L | 100 |
| 81) 1,1,2,2-TETRACHLOROETHANE | 9.155 | 83 | 50257 | 9.40 UG/L | 94 |
| 82) 1,4-DICHLORO-2-BUTENE(... | 9.214 | 53 | 11276 | 8.07 UG/L | 90 |
| 83) BROMOBENZENE | 9.138 | 77 | 58268 | 9.57 UG/L | 94 |
| 84) 1,2,3-TRICHLOROPROPANE | 9.191 | 75 | 50174 | 11.44 UG/L # | 86 |
| 85) N-PROPYLBENZENE | 9.267 | 91 | 152472 | 9.77 UG/L | 97 |
| 86) 2-CHLOROT0LUENE | 9.336 | 91 | 99000 | 9.73 UG/L | 98 |
| 87) 1,3,5-TRIMETHYLBENZENE | 9.445 | 105 | 110424 | 9.65 UG/L | 97 |
| 88) 4-CHLOROTOLUENE | 9.445 | 91 | 112203 | 9.70 UG/L | 96 |
| 90) TERT-BUTYLBENZENE | 9.763 | 119 | 90526 | 9.60 UG/L | 98 |
| 91) 1,2,4-TRIMETHYLBENZENE | 9.810 | 105 | 110562 | 9.54 UG/L | 98 |
| 92) SEC-BUTYLBENZENE | 9.980 | 105 | 120645 | 9.59 UG/L | 97 |
| 93) 1,3-DICHLOROBENZENE | 10.075 | 146 | 66354 | 9.47 UG/L | 99 |
| 94) P-ISOPROPYLTOLUENE | 10.131 | 119 | 105681 | 9.77 UG/L | 99 |
| 95) 1,4-DICHLOROBENZENE | 10.162 | 146 | 71016 | 9.52 UG/L | 98 |
| 96) 1,2,3-TRIMETHYLBENZENE | 10.223 | 105 | 130724 | 10.17 UG/L # | 100 |
| 97) N-BUTYLBENZENE | 10.538 | 91 | 88835 | 9.76 UG/L | 95 |
| 98) 1,2-DICHLOROBENZENE | 10.530 | 146 | 69315 | 9.73 UG/L | 99 |
| 99) 1,2-DIBROMO-3-CHLOROPR... | 11.302 | 75 | 8183 | 8.45 UG/L | 92 |
| 100) 1,3,5-TRICHLOROBENZENE | 11.514 | 180 | 45978 | 10.56 UG/L | 99 |
| 101) 1,2,4-TRICHLOROBENZENE | 12.125 | 180 | 36819 | 9.23 UG/L | 98 |
| 102) HEXACHLOROBUTADIENE | 12.303 | 225 | 16260 | 9.71 UG/L | 98 |
| 103) NAPHTHALENE | 12.368 | 128 | 102856 | 8.61 UG/L | 98 |
| 104) 1,2,3-TRICHLOROBENZENE | 12.605 | 180 | 35633 | 9.14 UG/L | 98 |

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

Data Path : C:\msdchem\1\data\C041423\
Data File : C22V10487.D
Acq On : 16 Apr 2023 12:54 am
Operator :
Sample : 8260STD 10PPB 2303196 Inst : GCMSVOA3
Misc :
ALS Vial : 7 Sample Multiplier: 1



Quant Time: Apr 17 05:34:23 2023
Quant Method : C:\msdchem\1\methods\C080822.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
QLast Update : Thu Dec 08 06:26:11 2022
Response via : Initial Calibration



# 8 - FORM VIII
# INTERNAL STANDARD AREA AND RT SUMMARY

## SW-846 8260D

| | | | |
|---|---|---|---|
| Laboratory: | Pace New England | Work Order: | 23D0848 |
| Client: | NYDEC_GES - Amherst, NY | Project: | 275 Franklin St, Buffalo, NY - CO 144192 |
| Sequence: | S085958 | Instrument: | GCMSVOA3 |
| | | Calibration: | 2200537 |

| Internal Standard | Response | RT | Reference Response | Reference RT | Area % | Area % Limits | RT Diff | RT Diff Limit | Q |
|---|---|---|---|---|---|---|---|---|---|
| **Calibration Check (S085958-CCV1 )** | | | *Lab File ID: C22V10302.D* | | | *Analyzed: 04/13/23 10:39* | | | |
| Pentafluorobenzene | 275490 | 4.292 | 194546 | 4.193 | 142 | 50 - 200 | 0.0990 | +/-0.50 | |
| 1,4-Difluorobenzene | 410214 | 5.011 | 287477 | 4.916 | 143 | 50 - 200 | 0.0950 | +/-0.50 | |
| Chlorobenzene-d5 | 214348 | 7.844 | 141910 | 7.749 | 151 | 50 - 200 | 0.0950 | +/-0.50 | |
| 1,4-Dichlorobenzene-d4 | 211686 | 10.137 | 139616 | 10.047 | 152 | 50 - 200 | 0.0900 | +/-0.50 | |
| **LCS (B337043-BS1 )** | | | *Lab File ID: C22V10303.D* | | | *Analyzed: 04/13/23 11:06* | | | |
| Pentafluorobenzene | 264874 | 4.292 | 275490 | 4.292 | 96 | 50 - 200 | 0.0000 | +/-0.50 | |
| 1,4-Difluorobenzene | 401703 | 5.011 | 410214 | 5.011 | 98 | 50 - 200 | 0.0000 | +/-0.50 | |
| Chlorobenzene-d5 | 208750 | 7.844 | 214348 | 7.844 | 97 | 50 - 200 | 0.0000 | +/-0.50 | |
| 1,4-Dichlorobenzene-d4 | 208618 | 10.139 | 211686 | 10.137 | 99 | 50 - 200 | 0.0020 | +/-0.50 | |
| **LCS Dup (B337043-BSD1 )** | | | *Lab File ID: C22V10304.D* | | | *Analyzed: 04/13/23 11:32* | | | |
| Pentafluorobenzene | 265592 | 4.289 | 275490 | 4.292 | 96 | 50 - 200 | -0.0030 | +/-0.50 | |
| 1,4-Difluorobenzene | 421304 | 5.008 | 410214 | 5.011 | 103 | 50 - 200 | -0.0030 | +/-0.50 | |
| Chlorobenzene-d5 | 211901 | 7.841 | 214348 | 7.844 | 99 | 50 - 200 | -0.0030 | +/-0.50 | |
| 1,4-Dichlorobenzene-d4 | 212179 | 10.139 | 211686 | 10.137 | 100 | 50 - 200 | 0.0020 | +/-0.50 | |
| **Blank (B337043-BLK1 )** | | | *Lab File ID: C22V10307.D* | | | *Analyzed: 04/13/23 12:52* | | | |
| Pentafluorobenzene | 260445 | 4.292 | 275490 | 4.292 | 95 | 50 - 200 | 0.0000 | +/-0.50 | |
| 1,4-Difluorobenzene | 393375 | 5.011 | 410214 | 5.011 | 96 | 50 - 200 | 0.0000 | +/-0.50 | |
| Chlorobenzene-d5 | 205478 | 7.844 | 214348 | 7.844 | 96 | 50 - 200 | 0.0000 | +/-0.50 | |
| 1,4-Dichlorobenzene-d4 | 201219 | 10.139 | 211686 | 10.137 | 95 | 50 - 200 | 0.0020 | +/-0.50 | |
| **Trip Blank (23D0848-06 )** | | | *Lab File ID: C22V10309.D* | | | *Analyzed: 04/13/23 13:45* | | | |
| Pentafluorobenzene | 260318 | 4.289 | 275490 | 4.292 | 94 | 50 - 200 | -0.0030 | +/-0.50 | |
| 1,4-Difluorobenzene | 403401 | 5.011 | 410214 | 5.011 | 98 | 50 - 200 | 0.0000 | +/-0.50 | |
| Chlorobenzene-d5 | 200832 | 7.844 | 214348 | 7.844 | 94 | 50 - 200 | 0.0000 | +/-0.50 | |
| 1,4-Dichlorobenzene-d4 | 193558 | 10.142 | 211686 | 10.137 | 91 | 50 - 200 | 0.0050 | +/-0.50 | |
| **DUP-1 (23D0848-02 )** | | | *Lab File ID: C22V10323.D* | | | *Analyzed: 04/13/23 19:59* | | | |
| Pentafluorobenzene | 231407 | 4.294 | 275490 | 4.292 | 84 | 50 - 200 | 0.0020 | +/-0.50 | |
| 1,4-Difluorobenzene | 350238 | 5.011 | 410214 | 5.011 | 85 | 50 - 200 | 0.0000 | +/-0.50 | |
| Chlorobenzene-d5 | 185618 | 7.844 | 214348 | 7.844 | 87 | 50 - 200 | 0.0000 | +/-0.50 | |
| 1,4-Dichlorobenzene-d4 | 170694 | 10.142 | 211686 | 10.137 | 81 | 50 - 200 | 0.0050 | +/-0.50 | |

# 8 - FORM VIII
# INTERNAL STANDARD AREA AND RT SUMMARY

## SW-846 8260D

| | | | |
|---|---|---|---|
| Laboratory: | Pace New England | Work Order: | 23D0848 |
| Client: | NYDEC_GES - Amherst, NY | Project: | 275 Franklin St, Buffalo, NY - CO 144192 |
| Sequence: | S085958 | Instrument: | GCMSVOA3 |
| | | Calibration: | 2200537 |

| Internal Standard | Response | RT | Reference Response | Reference RT | Area % | Area % Limits | RT Diff | RT Diff Limit | Q |
|---|---|---|---|---|---|---|---|---|---|
| **MW-23D (23D0848-05 )** | | | *Lab File ID: C22V10324.D* | | | *Analyzed: 04/13/23 20:25* | | | |
| Pentafluorobenzene | 230502 | 4.294 | 275490 | 4.292 | 84 | 50 - 200 | 0.0020 | +/-0.50 | |
| 1,4-Difluorobenzene | 353083 | 5.011 | 410214 | 5.011 | 86 | 50 - 200 | 0.0000 | +/-0.50 | |
| Chlorobenzene-d5 | 180051 | 7.844 | 214348 | 7.844 | 84 | 50 - 200 | 0.0000 | +/-0.50 | |
| 1,4-Dichlorobenzene-d4 | 170222 | 10.139 | 211686 | 10.137 | 80 | 50 - 200 | 0.0020 | +/-0.50 | |
| **MW-26S (23D0848-03 )** | | | *Lab File ID: C22V10325.D* | | | *Analyzed: 04/13/23 20:52* | | | |
| Pentafluorobenzene | 242636 | 4.292 | 275490 | 4.292 | 88 | 50 - 200 | 0.0000 | +/-0.50 | |
| 1,4-Difluorobenzene | 383577 | 5.011 | 410214 | 5.011 | 94 | 50 - 200 | 0.0000 | +/-0.50 | |
| Chlorobenzene-d5 | 194267 | 7.842 | 214348 | 7.844 | 91 | 50 - 200 | -0.0020 | +/-0.50 | |
| 1,4-Dichlorobenzene-d4 | 177924 | 10.139 | 211686 | 10.137 | 84 | 50 - 200 | 0.0020 | +/-0.50 | |
| **MW-25S (23D0848-04 )** | | | *Lab File ID: C22V10326.D* | | | *Analyzed: 04/13/23 21:19* | | | |
| Pentafluorobenzene | 234535 | 4.292 | 275490 | 4.292 | 85 | 50 - 200 | 0.0000 | +/-0.50 | |
| 1,4-Difluorobenzene | 356314 | 5.011 | 410214 | 5.011 | 87 | 50 - 200 | 0.0000 | +/-0.50 | |
| Chlorobenzene-d5 | 183445 | 7.844 | 214348 | 7.844 | 86 | 50 - 200 | 0.0000 | +/-0.50 | |
| 1,4-Dichlorobenzene-d4 | 173794 | 10.139 | 211686 | 10.137 | 82 | 50 - 200 | 0.0020 | +/-0.50 | |

# 8 - FORM VIII
# INTERNAL STANDARD AREA AND RT SUMMARY

## SW-846 8260D

| | | | |
|---|---|---|---|
| Laboratory: | Pace New England | Work Order: | 23D0848 |
| Client: | NYDEC_GES - Amherst, NY | Project: | 275 Franklin St, Buffalo, NY - CO 144192 |
| Sequence: | S086046 | Instrument: | GCMSVOA3 |
| | | Calibration: | 2200537 |

| Internal Standard | Response | RT | Reference Response | Reference RT | Area % | Area % Limits | RT Diff | RT Diff Limit | Q |
|---|---|---|---|---|---|---|---|---|---|
| **Calibration Check (S086046-CCV1 )** | | | *Lab File ID: C22V10487.D* | | | *Analyzed: 04/16/23 00:54* | | | |
| Pentafluorobenzene | 230401 | 4.292 | 194546 | 4.193 | 118 | 50 - 200 | 0.0990 | +/-0.50 | |
| 1,4-Difluorobenzene | 353158 | 5.011 | 287477 | 4.916 | 123 | 50 - 200 | 0.0950 | +/-0.50 | |
| Chlorobenzene-d5 | 174832 | 7.842 | 141910 | 7.749 | 123 | 50 - 200 | 0.0930 | +/-0.50 | |
| 1,4-Dichlorobenzene-d4 | 176129 | 10.139 | 139616 | 10.047 | 126 | 50 - 200 | 0.0920 | +/-0.50 | |
| **LCS (B337044-BS1 )** | | | *Lab File ID: C22V10488.D* | | | *Analyzed: 04/16/23 01:21* | | | |
| Pentafluorobenzene | 225506 | 4.291 | 230401 | 4.292 | 98 | 50 - 200 | -0.0010 | +/-0.50 | |
| 1,4-Difluorobenzene | 350258 | 5.008 | 353158 | 5.011 | 99 | 50 - 200 | -0.0030 | +/-0.50 | |
| Chlorobenzene-d5 | 176716 | 7.844 | 174832 | 7.842 | 101 | 50 - 200 | 0.0020 | +/-0.50 | |
| 1,4-Dichlorobenzene-d4 | 174540 | 10.139 | 176129 | 10.139 | 99 | 50 - 200 | 0.0000 | +/-0.50 | |
| **LCS Dup (B337044-BSD1 )** | | | *Lab File ID: C22V10489.D* | | | *Analyzed: 04/16/23 01:48* | | | |
| Pentafluorobenzene | 227334 | 4.289 | 230401 | 4.292 | 99 | 50 - 200 | -0.0030 | +/-0.50 | |
| 1,4-Difluorobenzene | 357544 | 5.011 | 353158 | 5.011 | 101 | 50 - 200 | 0.0000 | +/-0.50 | |
| Chlorobenzene-d5 | 180059 | 7.841 | 174832 | 7.842 | 103 | 50 - 200 | -0.0010 | +/-0.50 | |
| 1,4-Dichlorobenzene-d4 | 178591 | 10.142 | 176129 | 10.139 | 101 | 50 - 200 | 0.0030 | +/-0.50 | |
| **Blank (B337044-BLK1 )** | | | *Lab File ID: C22V10492.D* | | | *Analyzed: 04/16/23 03:08* | | | |
| Pentafluorobenzene | 220765 | 4.292 | 230401 | 4.292 | 96 | 50 - 200 | 0.0000 | +/-0.50 | |
| 1,4-Difluorobenzene | 336848 | 5.011 | 353158 | 5.011 | 95 | 50 - 200 | 0.0000 | +/-0.50 | |
| Chlorobenzene-d5 | 166599 | 7.841 | 174832 | 7.842 | 95 | 50 - 200 | -0.0010 | +/-0.50 | |
| 1,4-Dichlorobenzene-d4 | 160510 | 10.139 | 176129 | 10.139 | 91 | 50 - 200 | 0.0000 | +/-0.50 | |
| **MW-27S (23D0848-01 )** | | | *Lab File ID: C22V10496.D* | | | *Analyzed: 04/16/23 04:54* | | | |
| Pentafluorobenzene | 212475 | 4.292 | 230401 | 4.292 | 92 | 50 - 200 | 0.0000 | +/-0.50 | |
| 1,4-Difluorobenzene | 327702 | 5.011 | 353158 | 5.011 | 93 | 50 - 200 | 0.0000 | +/-0.50 | |
| Chlorobenzene-d5 | 166266 | 7.842 | 174832 | 7.842 | 95 | 50 - 200 | 0.0000 | +/-0.50 | |
| 1,4-Dichlorobenzene-d4 | 153687 | 10.139 | 176129 | 10.139 | 87 | 50 - 200 | 0.0000 | +/-0.50 | |
| **Matrix Spike (B337044-MS1 )** | | | *Lab File ID: C22V10512.D* | | | *Analyzed: 04/16/23 12:00* | | | |
| Pentafluorobenzene | 183038 | 4.292 | 230401 | 4.292 | 79 | 50 - 200 | 0.0000 | +/-0.50 | |
| 1,4-Difluorobenzene | 277968 | 5.011 | 353158 | 5.011 | 79 | 50 - 200 | 0.0000 | +/-0.50 | |
| Chlorobenzene-d5 | 144837 | 7.842 | 174832 | 7.842 | 83 | 50 - 200 | 0.0000 | +/-0.50 | |
| 1,4-Dichlorobenzene-d4 | 137838 | 10.139 | 176129 | 10.139 | 78 | 50 - 200 | 0.0000 | +/-0.50 | |

# 8 - FORM VIII
# INTERNAL STANDARD AREA AND RT SUMMARY

## SW-846 8260D

| | | | |
|---|---|---|---|
| Laboratory: | Pace New England | Work Order: | 23D0848 |
| Client: | NYDEC_GES - Amherst, NY | Project: | 275 Franklin St, Buffalo, NY - CO 144192 |
| Sequence: | S086046 | Instrument: | GCMSVOA3 |
| | | Calibration: | 2200537 |

| Internal Standard | Response | RT | Reference Response | Reference RT | Area % | Area % Limits | RT Diff | RT Diff Limit | Q |
|---|---|---|---|---|---|---|---|---|---|
| **Matrix Spike Dup (B337044-MSD1 )** | | | *Lab File ID: C22V10513.D* | | | *Analyzed: 04/16/23 12:27* | | | |
| Pentafluorobenzene | 184277 | 4.291 | 230401 | 4.292 | 80 | 50 - 200 | -0.0010 | +/-0.50 | |
| 1,4-Difluorobenzene | 287426 | 5.011 | 353158 | 5.011 | 81 | 50 - 200 | 0.0000 | +/-0.50 | |
| Chlorobenzene-d5 | 146735 | 7.844 | 174832 | 7.842 | 84 | 50 - 200 | 0.0020 | +/-0.50 | |
| 1,4-Dichlorobenzene-d4 | 139572 | 10.139 | 176129 | 10.139 | 79 | 50 - 200 | 0.0000 | +/-0.50 | |

# QC DATA

# 1 - FORM I
# ANALYSIS DATA SHEET

## Blank

| | | | | | |
|---|---|---|---|---|---|
| Laboratory: | Pace New England | | | Work Order: | 23D0848 |
| Client: | NYDEC_GES - Amherst, NY | | Project: | 275 Franklin St, Buffalo, NY - CO 144192 | |
| Matrix: | Water | Laboratory ID: | B337043-BLK1 | File ID: | C22V10307.D |
| Sampled: | | Prepared: | 04/13/23 07:07 | Analyzed: | 04/13/23 12:52 |
| Solids: | | Preparation: | SW-846 5030B | Dilution: | |
| Batch: | B337043 | Sequence: | S085958 | Calibration: | 2200537 |
| Column: | 1 | | | | |

Instrument: GCMSVOA3

| CAS NO. | COMPOUND | CONC. (µg/L) | MDL | RL | Q |
|---|---|---|---|---|---|
| 67-64-1 | Acetone | | 2.0 | 50 | |
| 71-43-2 | Benzene | | 0.18 | 1.0 | |
| 74-97-5 | Bromochloromethane | | 0.28 | 1.0 | |
| 75-27-4 | Bromodichloromethane | | 0.16 | 0.50 | |
| 75-25-2 | Bromoform | | 0.41 | 1.0 | |
| 74-83-9 | Bromomethane | | 1.3 | 2.0 | |
| 78-93-3 | 2-Butanone (MEK) | | 1.7 | 20 | |
| 75-15-0 | Carbon Disulfide | | 1.6 | 5.0 | |
| 56-23-5 | Carbon Tetrachloride | | 0.16 | 5.0 | |
| 108-90-7 | Chlorobenzene | | 0.12 | 1.0 | |
| 124-48-1 | Chlorodibromomethane | | 0.20 | 0.50 | |
| 75-00-3 | Chloroethane | | 0.34 | 2.0 | |
| 67-66-3 | Chloroform | | 0.14 | 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) | | 0.85 | 5.0 | |
| 106-93-4 | 1,2-Dibromoethane (EDB) | | 0.16 | 0.50 | |
| 95-50-1 | 1,2-Dichlorobenzene | | 0.13 | 1.0 | |
| 541-73-1 | 1,3-Dichlorobenzene | | 0.14 | 1.0 | |
| 106-46-7 | 1,4-Dichlorobenzene | | 0.13 | 1.0 | |
| 75-71-8 | Dichlorodifluoromethane (Freon 12) | | 0.16 | 2.0 | |
| 75-34-3 | 1,1-Dichloroethane | | 0.14 | 1.0 | |
| 107-06-2 | 1,2-Dichloroethane | | 0.30 | 1.0 | |
| 75-35-4 | 1,1-Dichloroethylene | | 0.14 | 1.0 | |
| 156-59-2 | cis-1,2-Dichloroethylene | | 0.14 | 1.0 | |
| 156-60-5 | trans-1,2-Dichloroethylene | | 0.17 | 1.0 | |
| 78-87-5 | 1,2-Dichloropropane | | 0.19 | 1.0 | |
| 10061-01-5 | cis-1,3-Dichloropropene | | 0.16 | 0.50 | |
| 10061-02-6 | trans-1,3-Dichloropropene | | 0.14 | 0.50 | |
| 123-91-1 | 1,4-Dioxane | | 18 | 50 | |

# 1 - FORM I
# ANALYSIS DATA SHEET

## Blank

| | | | | | |
|---|---|---|---|---|---|
| Laboratory: | Pace New England | | | Work Order: | 23D0848 |
| Client: | NYDEC_GES - Amherst, NY | | Project: | 275 Franklin St, Buffalo, NY - CO 144192 | |
| Matrix: | Water | Laboratory ID: | B337043-BLK1 | File ID: | C22V10307.D |
| Sampled: | | Prepared: | 04/13/23 07:07 | Analyzed: | 04/13/23 12:52 |
| Solids: | | Preparation: | SW-846 5030B | Dilution: | |
| Batch: | B337043 | Sequence: | S085958 | Calibration: | 2200537 |
| Instrument: | GCMSVOA3 | | | | |
| Column: | 1 | | | | |

| CAS NO. | COMPOUND | CONC. (µg/L) | MDL | RL | Q |
|---|---|---|---|---|---|
| 100-41-4 | Ethylbenzene | | 0.22 | 1.0 | |
| 591-78-6 | 2-Hexanone (MBK) | | 1.2 | 10 | |
| 98-82-8 | Isopropylbenzene (Cumene) | | 0.15 | 1.0 | |
| 79-20-9 | Methyl Acetate | | 0.61 | 1.0 | V-05 |
| 1634-04-4 | Methyl tert-Butyl Ether (MTBE) | | 0.17 | 1.0 | |
| 108-87-2 | Methyl Cyclohexane | | 0.16 | 1.0 | |
| 75-09-2 | Methylene Chloride | | 0.18 | 5.0 | |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | | 1.3 | 10 | |
| 100-42-5 | Styrene | | 0.15 | 1.0 | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | | 0.14 | 0.50 | |
| 127-18-4 | Tetrachloroethylene | | 0.17 | 1.0 | |
| 108-88-3 | Toluene | | 0.22 | 1.0 | |
| 87-61-6 | 1,2,3-Trichlorobenzene | | 0.34 | 5.0 | |
| 120-82-1 | 1,2,4-Trichlorobenzene | | 0.30 | 1.0 | |
| 71-55-6 | 1,1,1-Trichloroethane | | 0.15 | 1.0 | |
| 79-00-5 | 1,1,2-Trichloroethane | | 0.19 | 1.0 | |
| 79-01-6 | Trichloroethylene | | 0.17 | 1.0 | |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | | 0.15 | 2.0 | |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1 | | 0.21 | 1.0 | |
| 75-01-4 | Vinyl Chloride | | 0.24 | 2.0 | |
| 108383/106423 | m+p Xylene | | 0.49 | 2.0 | |
| 95-47-6 | o-Xylene | | 0.24 | 1.0 | |
| 1330-20-7 | Xylenes (total) | | 1.0 | 1.0 | |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\C041323\
Data File : C22V10307.D
Acq On : 13 Apr 2023 12:52 pm
Operator :
Sample : B0BLK1 Inst : GCMSVOA3
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 13 13:20:57 2023
Quant Method : C:\msdchem\1\methods\C080822.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
QLast Update : Thu Dec 08 06:26:11 2022
Response via : Initial Calibration

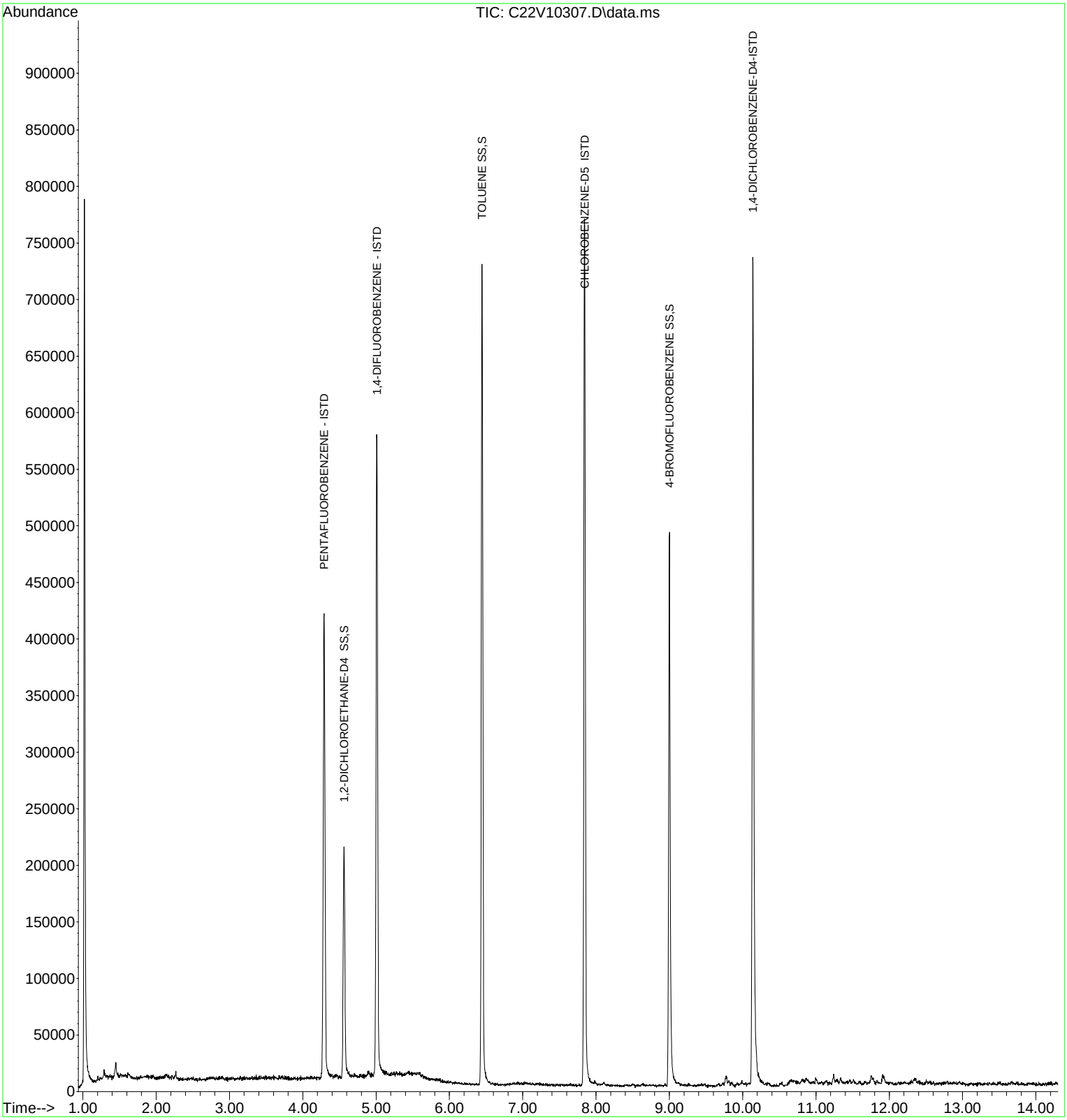
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) PENTAFLUOROBENZENE - ISTD | 4.292 | 168 | 260445 | 30.00 | UG/L | -0.02 |
| 48) 1,4-DIFLUOROBENZENE - ... | 5.011 | 114 | 393375 | 30.00 | UG/L | -0.01 |
| 70) CHLOROBENZENE-D5 ISTD | 7.844 | 82 | 205478 | 30.00 | UG/L | 0.00 |
| 89) 1,4-DICHLOROBENZENE-D4... | 10.139 | 152 | 201219 | 30.00 | UG/L | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 2) 1,2-DICHLOROETHANE-D4 SS | 4.562 | 65 | 118970 | 24.34 | UG/L | -0.02 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 97.36% | | | |
| 49) TOLUENE SS | 6.444 | 98 | 401816 | 25.79 | UG/L | -0.01 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 103.16% | | | |
| 71) 4-BROMOFLUOROBENZENE SS | 9.002 | 95 | 145704 | 23.92 | UG/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 95.68% | | | |
| Target Compounds | | | | | | Qvalue |

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

Data Path : C:\msdchem\1\data\C041323\
Data File : C22V10307.D
Acq On : 13 Apr 2023 12:52 pm
Operator :
Sample : B0BLK1 Inst : GCMSVOA3
Misc :
ALS Vial : 7 Sample Multiplier: 1

250

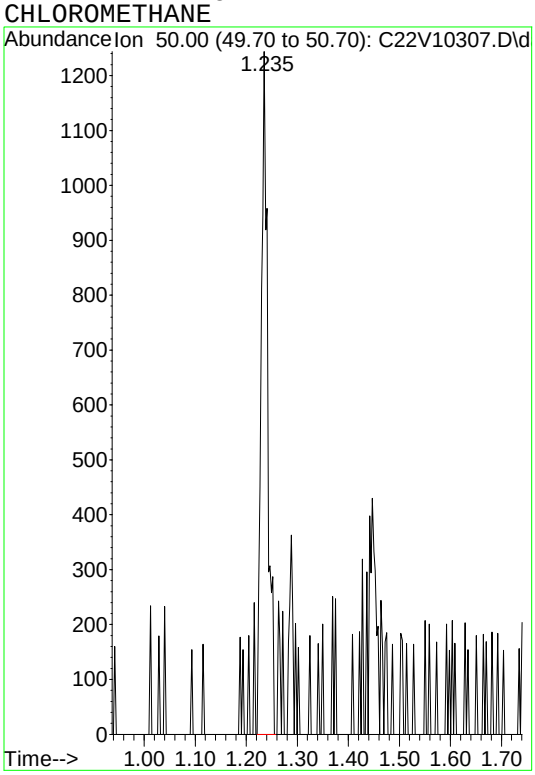
Quant Time: Apr 13 13:20:57 2023
Quant Method : C:\msdchem\1\methods\C080822.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
QLast Update : Thu Dec 08 06:26:11 2022
Response via : Initial Calibration



Data Path : C:\msdchem\1\data\C041323\
Data File : C22V10307.D
Acq On : 13 Apr 2023 12:52 pm
Operator :
Sample : B0BLK1
Misc :

Quant Time : Thu Apr 13 13:20:57 2023
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Thu Dec 08 06:26:11 2022

Original Integration
CHLOROMETHANE




Original Int. Results
---

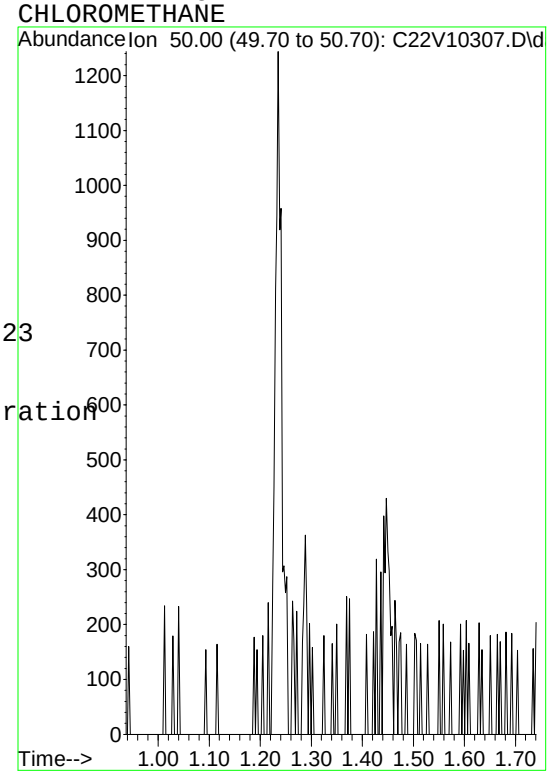
RT : 1.24
Area : 1130
Amount: 0.183445

Manual Int. Results
---

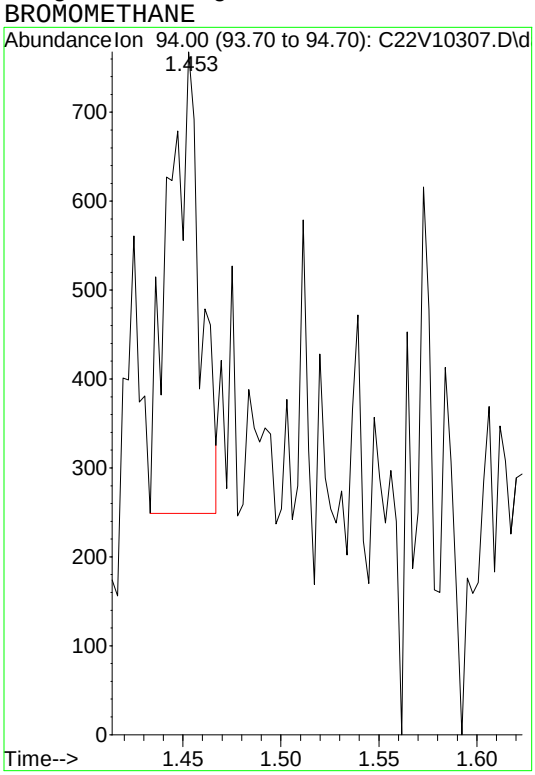
Thu Apr 13 13:20:25 2023

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

Manual Integration
CHLOROMETHANE




Original Integration
BROMOMETHANE




Original Int. Results
---

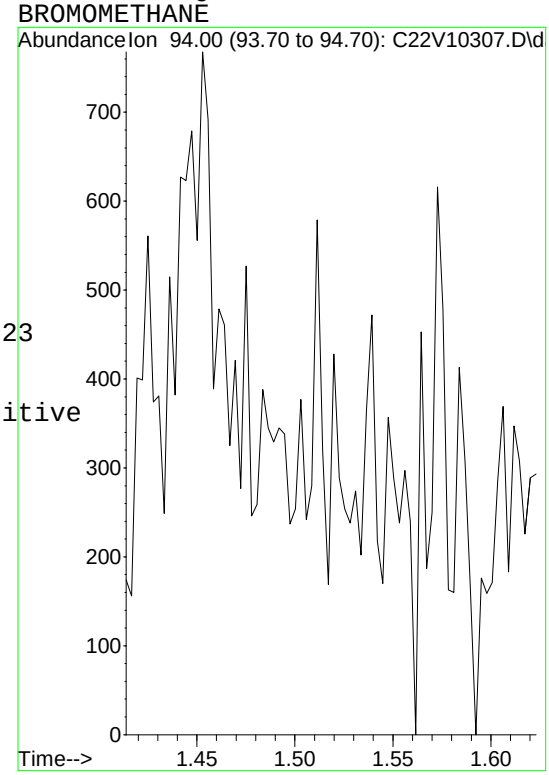
RT : 1.45
Area : 587
Amount: 0.219558

Manual Int. Results
---

Thu Apr 13 13:20:28 2023

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

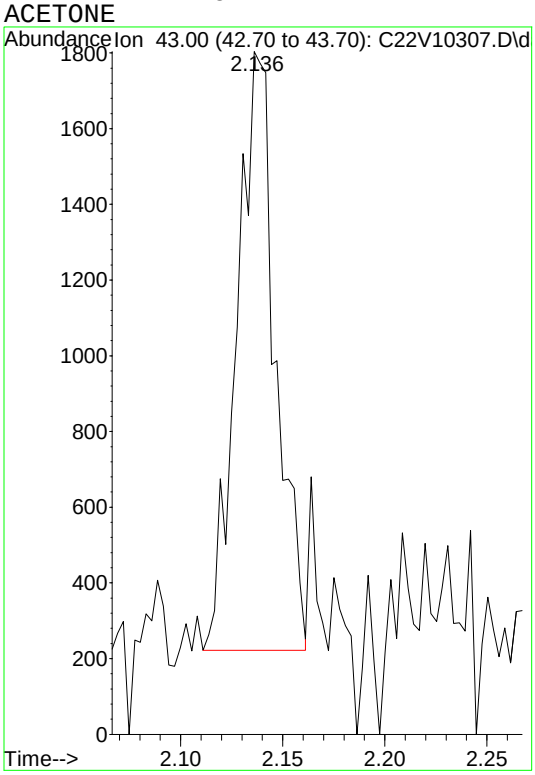
Manual Integration
BROMOMETHANE



Data Path : C:\msdchem\1\data\C041323\
Data File : C22V10307.D
Acq On : 13 Apr 2023 12:52 pm
Operator :
Sample : B0BLK1
Misc :

Quant Time : Thu Apr 13 13:20:57 2023
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Thu Dec 08 06:26:11 2022

Original Integration
ACETONE




Original Int. Results
---

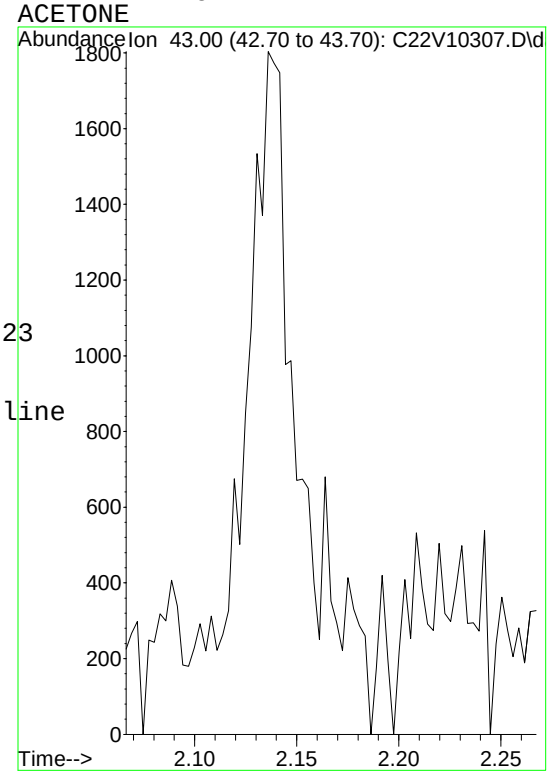
RT : 2.14
Area : 2098
Amount: 1.32715

Manual Int. Results
---

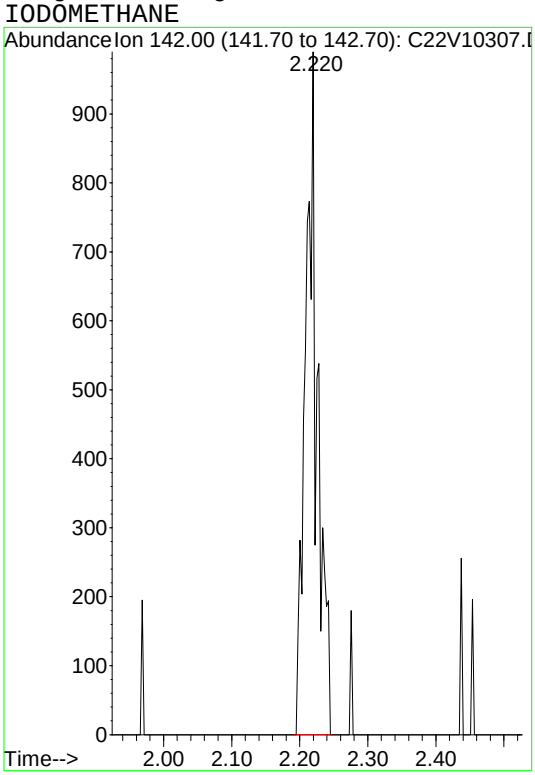
Thu Apr 13 13:20:31 2023

MIuser: MFF
Reason: Incorrect Baseline
RT : 0.00
Area : 0
Amount: 0

Manual Integration
ACETONE




Original Integration
IODOMETHANE




Original Int. Results
---

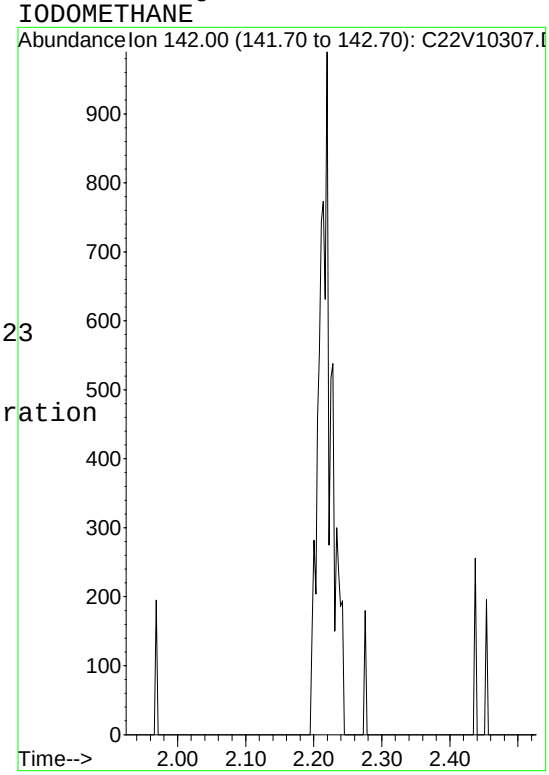
RT : 2.22
Area : 1202
Amount: 0.25545

Manual Int. Results
---

Thu Apr 13 13:20:33 2023

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

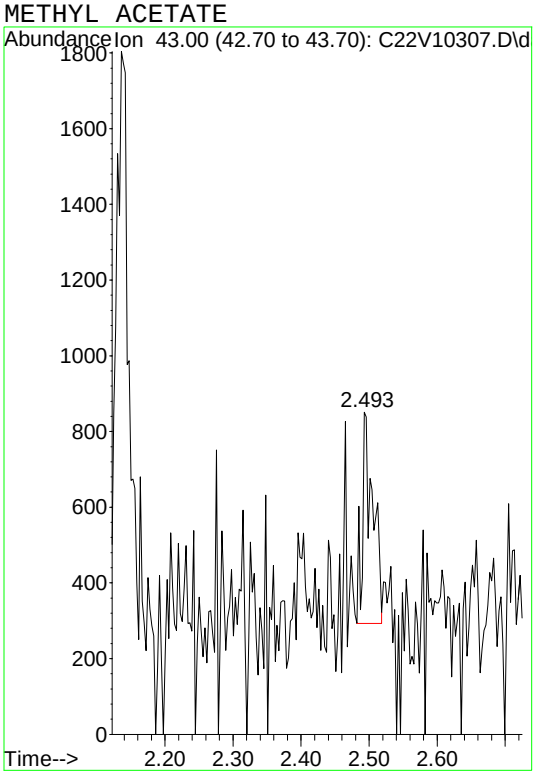
Manual Integration
IODOMETHANE



Data Path : C:\msdchem\1\data\C041323\
Data File : C22V10307.D
Acq On : 13 Apr 2023 12:52 pm
Operator :
Sample : B0BLK1
Misc :

Quant Time : Thu Apr 13 13:20:57 2023
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Thu Dec 08 06:26:11 2022

Original Integration
METHYL ACETATE




Original Int. Results
---

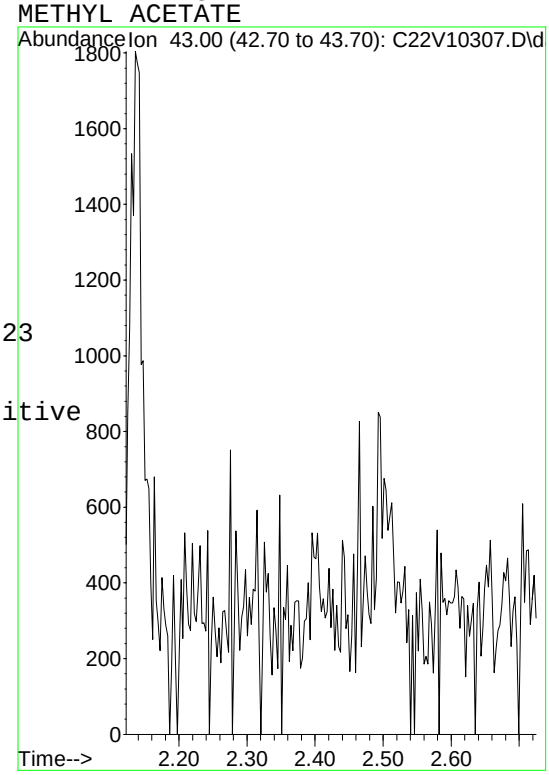
RT : 2.49
Area : 599
Amount: 0.0973352

Manual Int. Results
---

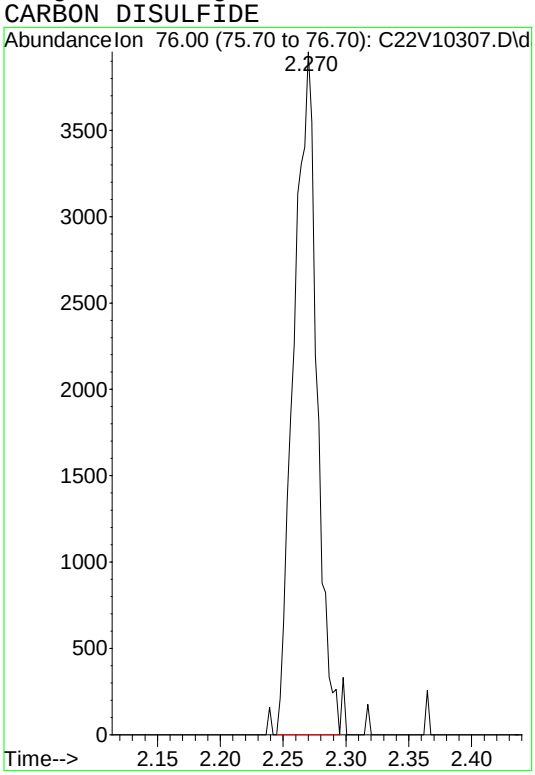
Thu Apr 13 13:20:35 2023

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

Manual Integration
METHYL ACETATE




Original Integration
CARBON DISULFIDE




Original Int. Results
---

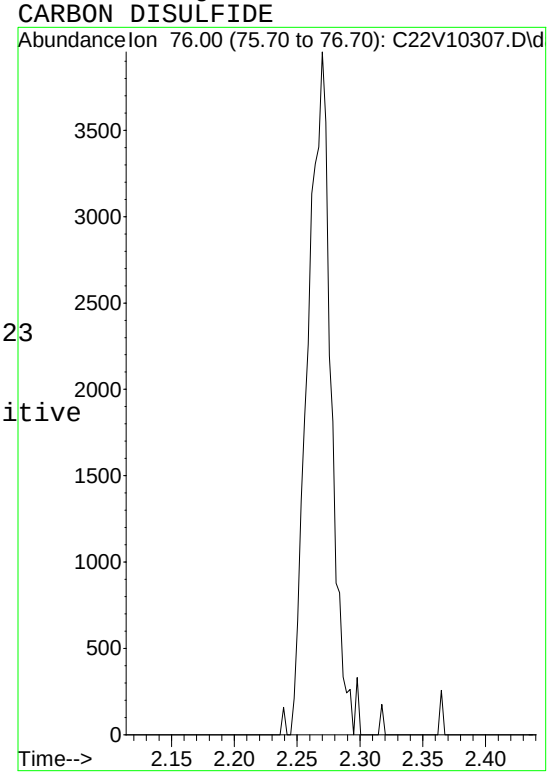
RT : 2.27
Area : 5058
Amount: 0.465915

Manual Int. Results
---

Thu Apr 13 13:20:39 2023

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

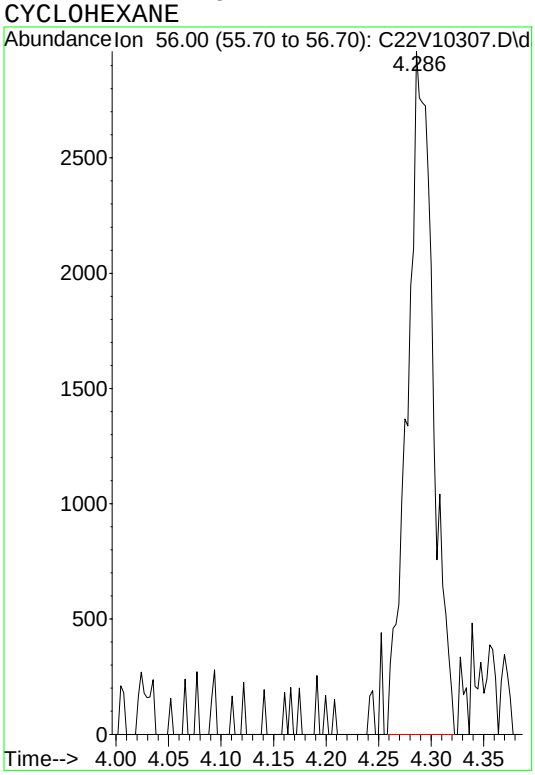
Manual Integration
CARBON DISULFIDE



Data Path : C:\msdchem\1\data\C041323\
Data File : C22V10307.D
Acq On : 13 Apr 2023 12:52 pm
Operator :
Sample : B0BLK1
Misc :

Quant Time : Thu Apr 13 13:20:57 2023
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Thu Dec 08 06:26:11 2022

Original Integration
CYCLOHEXANE




Original Int. Results
---

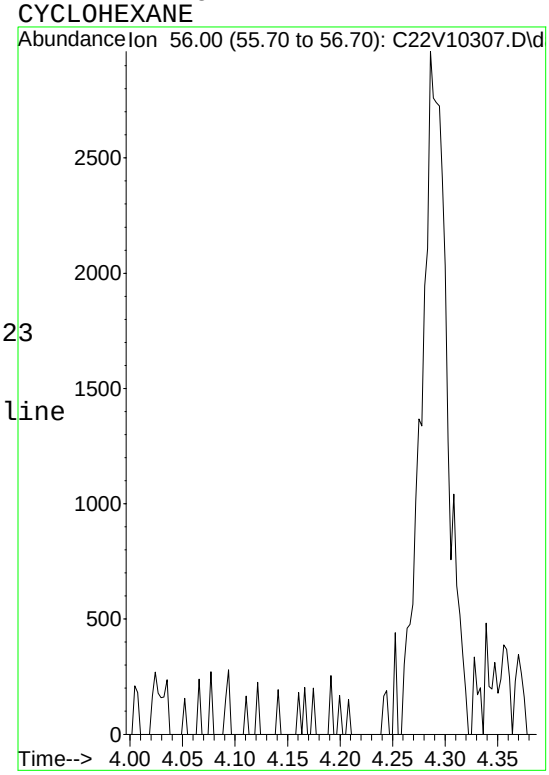
RT : 4.29
Area : 5015
Amount: 0.815897

Manual Int. Results
---

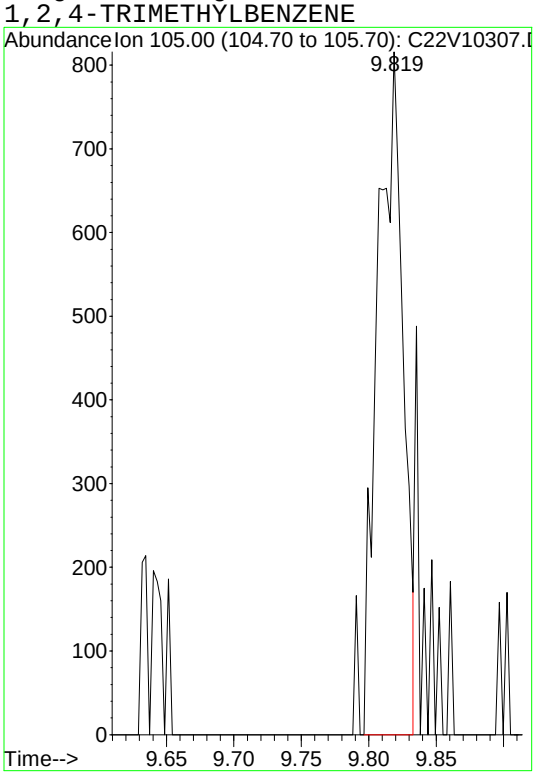
Thu Apr 13 13:20:43 2023

MIuser: MFF
Reason: Incorrect Baseline
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CYCLOHEXANE




Original Integration
1,2,4-TRIMETHYLBENZENE




Original Int. Results
---

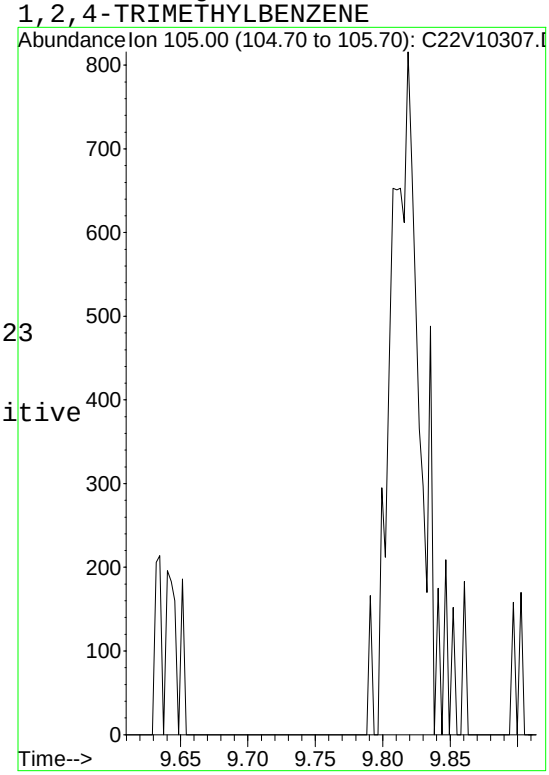
RT : 9.82
Area : 1067
Amount: 0.0805564

Manual Int. Results
---

Thu Apr 13 13:20:48 2023

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

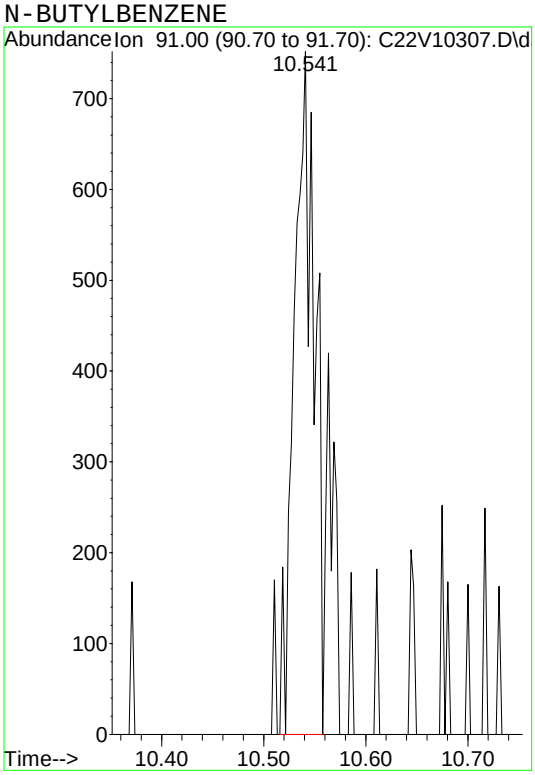
Manual Integration
1,2,4-TRIMETHYLBENZENE



Data Path : C:\msdchem\1\data\C041323\
Data File : C22V10307.D
Acq On : 13 Apr 2023 12:52 pm
Operator :
Sample : B0BLK1
Misc :

Quant Time : Thu Apr 13 13:20:57 2023
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Thu Dec 08 06:26:11 2022

Original Integration
N-BUTYLBENZENE




Original Int. Results
---

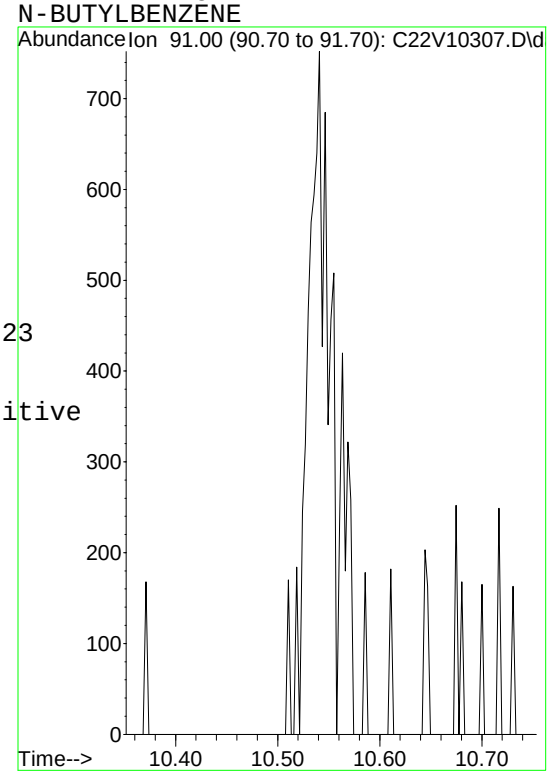
RT : 10.54
Area : 1034
Amount: 0.0994771

Manual Int. Results
---

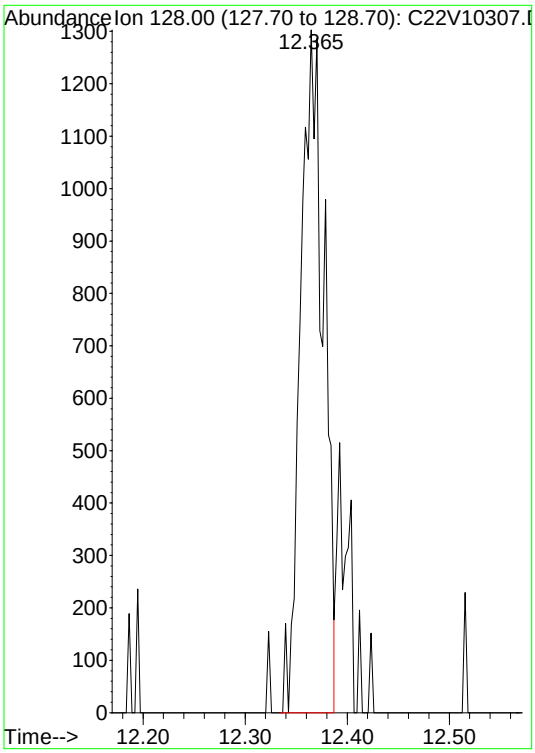
Thu Apr 13 13:20:53 2023

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

Manual Integration
N-BUTYLBENZENE




Original Integration
NAPHTHALENE




Original Int. Results
---

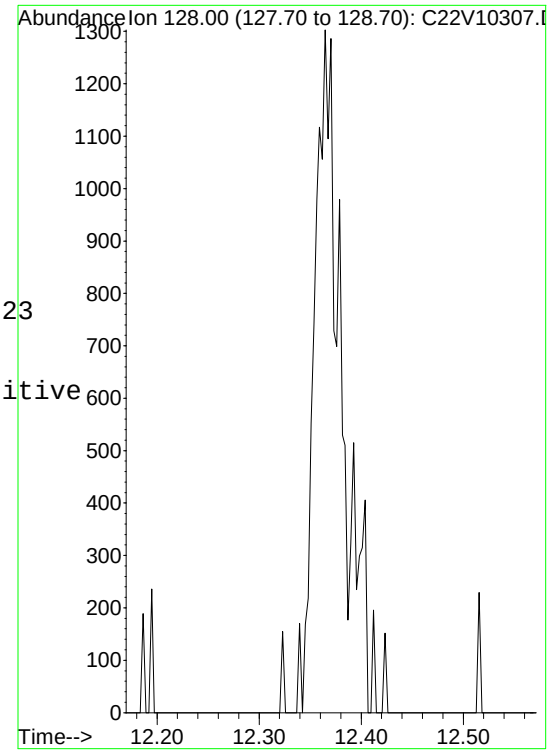
RT : 12.36
Area : 2060
Amount: 0.150852

Manual Int. Results
---

Thu Apr 13 13:20:56 2023

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

Manual Integration
NAPHTHALENE



# 1 - FORM I
# ANALYSIS DATA SHEET

## LCS

| | | | | | |
|---|---|---|---|---|---|
| Laboratory: | Pace New England | | | Work Order: | 23D0848 |
| Client: | NYDEC_GES - Amherst, NY | | Project: | 275 Franklin St, Buffalo, NY - CO 144192 | |
| Matrix: | Water | Laboratory ID: | B337043-BS1 | File ID: | C22V10303.D |
| Sampled: | | Prepared: | 04/13/23 07:07 | Analyzed: | 04/13/23 11:06 |
| Solids: | | Preparation: | SW-846 5030B | Dilution: | |
| Batch: | B337043 | Sequence: | S085958 | Calibration: | 2200537 |
| Instrument: | GCMSVOA3 | | | | |
| Column: | 1 | | | | |

| CAS NO. | COMPOUND | CONC. (µg/L) | MDL | RL | Q |
|---|---|---|---|---|---|
| 67-64-1 | Acetone | 99.5 | 2.0 | 50 | |
| 71-43-2 | Benzene | 10.4 | 0.18 | 1.0 | |
| 74-97-5 | Bromochloromethane | 10.9 | 0.28 | 1.0 | |
| 75-27-4 | Bromodichloromethane | 9.48 | 0.16 | 0.50 | |
| 75-25-2 | Bromoform | 8.57 | 0.41 | 1.0 | |
| 74-83-9 | Bromomethane | 10.7 | 1.3 | 2.0 | |
| 78-93-3 | 2-Butanone (MEK) | 111 | 1.7 | 20 | |
| 75-15-0 | Carbon Disulfide | 96.3 | 1.6 | 5.0 | |
| 56-23-5 | Carbon Tetrachloride | 9.24 | 0.16 | 5.0 | |
| 108-90-7 | Chlorobenzene | 9.81 | 0.12 | 1.0 | |
| 124-48-1 | Chlorodibromomethane | 9.44 | 0.20 | 0.50 | |
| 75-00-3 | Chloroethane | 9.07 | 0.34 | 2.0 | |
| 67-66-3 | Chloroform | 9.81 | 0.14 | 2.0 | |
| 74-87-3 | Chloromethane | 8.95 | 0.50 | 2.0 | |
| 110-82-7 | Cyclohexane | 10.7 | 1.8 | 5.0 | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane (DBCP) | 9.00 | 0.85 | 5.0 | |
| 106-93-4 | 1,2-Dibromoethane (EDB) | 10.2 | 0.16 | 0.50 | |
| 95-50-1 | 1,2-Dichlorobenzene | 10.1 | 0.13 | 1.0 | |
| 541-73-1 | 1,3-Dichlorobenzene | 10.0 | 0.14 | 1.0 | |
| 106-46-7 | 1,4-Dichlorobenzene | 9.43 | 0.13 | 1.0 | |
| 75-71-8 | Dichlorodifluoromethane (Freon 12) | 10.6 | 0.16 | 2.0 | |
| 75-34-3 | 1,1-Dichloroethane | 9.82 | 0.14 | 1.0 | |
| 107-06-2 | 1,2-Dichloroethane | 9.38 | 0.30 | 1.0 | |
| 75-35-4 | 1,1-Dichloroethylene | 9.30 | 0.14 | 1.0 | |
| 156-59-2 | cis-1,2-Dichloroethylene | 10.0 | 0.14 | 1.0 | |
| 156-60-5 | trans-1,2-Dichloroethylene | 9.36 | 0.17 | 1.0 | |
| 78-87-5 | 1,2-Dichloropropane | 10.7 | 0.19 | 1.0 | |
| 10061-01-5 | cis-1,3-Dichloropropene | 10.3 | 0.16 | 0.50 | |
| 10061-02-6 | trans-1,3-Dichloropropene | 10.5 | 0.14 | 0.50 | |
| 123-91-1 | 1,4-Dioxane | 87.0 | 18 | 50 | |

# 1 - FORM I
# ANALYSIS DATA SHEET

## LCS

| | | | | | |
|---|---|---|---|---|---|
| Laboratory: | Pace New England | | | Work Order: | 23D0848 |
| Client: | NYDEC_GES - Amherst, NY | | Project: | 275 Franklin St, Buffalo, NY - CO 144192 | |
| Matrix: | Water | Laboratory ID: | B337043-BS1 | File ID: | C22V10303.D |
| Sampled: | | Prepared: | 04/13/23 07:07 | Analyzed: | 04/13/23 11:06 |
| Solids: | | Preparation: | SW-846 5030B | Dilution: | |
| Batch: | B337043 | Sequence: | S085958 | Calibration: | 2200537 |
| Column: | 1 | | | | |

Instrument: GCMSVOA3

| CAS NO. | COMPOUND | CONC. (µg/L) | MDL | RL | Q |
|---|---|---|---|---|---|
| 100-41-4 | Ethylbenzene | 10.3 | 0.22 | 1.0 | |
| 591-78-6 | 2-Hexanone (MBK) | 99.0 | 1.2 | 10 | |
| 98-82-8 | Isopropylbenzene (Cumene) | 9.91 | 0.15 | 1.0 | |
| 79-20-9 | Methyl Acetate | 7.82 | 0.61 | 1.0 | V-05 |
| 1634-04-4 | Methyl tert-Butyl Ether (MTBE) | 10.4 | 0.17 | 1.0 | |
| 108-87-2 | Methyl Cyclohexane | 11.1 | 0.16 | 1.0 | |
| 75-09-2 | Methylene Chloride | 9.55 | 0.18 | 5.0 | |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | 96.8 | 1.3 | 10 | |
| 100-42-5 | Styrene | 10.0 | 0.15 | 1.0 | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 9.41 | 0.14 | 0.50 | |
| 127-18-4 | Tetrachloroethylene | 10.5 | 0.17 | 1.0 | |
| 108-88-3 | Toluene | 10.3 | 0.22 | 1.0 | |
| 87-61-6 | 1,2,3-Trichlorobenzene | 9.69 | 0.34 | 5.0 | |
| 120-82-1 | 1,2,4-Trichlorobenzene | 10.1 | 0.30 | 1.0 | |
| 71-55-6 | 1,1,1-Trichloroethane | 9.66 | 0.15 | 1.0 | |
| 79-00-5 | 1,1,2-Trichloroethane | 10.5 | 0.19 | 1.0 | |
| 79-01-6 | Trichloroethylene | 9.72 | 0.17 | 1.0 | |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | 9.23 | 0.15 | 2.0 | |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1 | 9.88 | 0.21 | 1.0 | |
| 75-01-4 | Vinyl Chloride | 10.8 | 0.24 | 2.0 | |
| 108383/106423 | m+p Xylene | 19.9 | 0.49 | 2.0 | |
| 95-47-6 | o-Xylene | 9.86 | 0.24 | 1.0 | |
| 1330-20-7 | Xylenes (total) | 29.8 | 1.0 | 1.0 | |

Data Path : C:\msdchem\1\data\C041323\
Data File : C22V10303.D
Acq On : 13 Apr 2023 11:06 am
Operator :
Sample : B0BS1 Inst : GCMSVOA3
Misc :
ALS Vial : 3 Sample Multiplier: 1



Quant Time: Apr 13 13:17:36 2023
Quant Method : C:\msdchem\1\methods\C080822.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
QLast Update : Thu Dec 08 06:26:11 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) PENTAFLUOROBENZENE - ISTD | 4.292 | 168 | 264874 | 30.00 | UG/L | | -0.02 |
| 48) 1,4-DIFLUOROBENZENE - ... | 5.011 | 114 | 401703 | 30.00 | UG/L | | -0.01 |
| 70) CHLOROBENZENE-D5 ISTD | 7.844 | 82 | 208750 | 30.00 | UG/L | | 0.00 |
| 89) 1,4-DICHLOROBENZENE-D4... | 10.139 | 152 | 208618 | 30.00 | UG/L | # | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 2) 1,2-DICHLOROETHANE-D4 SS | 4.565 | 65 | 117749 | 23.69 | UG/L | | -0.01 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 94.76% | | | | |
| 49) TOLUENE SS | 6.447 | 98 | 408065 | 25.65 | UG/L | | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 102.60% | | | | |
| 71) 4-BROMOFLUOROBENZENE SS | 8.999 | 95 | 148632 | 24.02 | UG/L | | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 96.08% | | | | |
| Target Compounds | | | | | | | Qvalue |
| 3) DICHLORODIFLUOROMETHANE | 1.124 | 85 | 40422 | 10.55 | UG/L | | 98 |
| 4) DIFLUOROCHLOROMETHANE | 1.129 | 51 | 56955 | 11.28 | UG/L | # | 100 |
| 5) CHLOROMETHANE | 1.235 | 50 | 56097 | 8.95 | UG/L | # | 27 |
| 6) VINYL CHLORIDE | 1.305 | 62 | 49733 | 10.79 | UG/L | | 100 |
| 7) BROMOMETHANE | 1.500 | 94 | 28974 | 10.66 | UG/L | | 98 |
| 8) CHLOROETHANE | 1.567 | 64 | 28846 | 9.07 | UG/L | | 100 |
| 9) FLUORODICHLOROMETHANE | 1.693 | 67 | 75675 | 10.20 | UG/L | | 100 |
| 10) TRICHLOROFLUOROMETHANE | 1.734 | 101 | 52086 | 9.23 | UG/L | | 95 |
| 11) ETHANOL | 1.860 | 45 | 7483 | 81.75 | UG/L | # | 64 |
| 12) DI ETHYL ETHER | 1.930 | 59 | 34985 | 10.67 | UG/L | | 98 |
| 13) ACROLEIN | 2.022 | 56 | 110144 | 136.39 | UG/L | | 97 |
| 14) ACETONE | 2.136 | 43 | 159987 | 99.51 | UG/L | | 96 |
| 15) 1,1-DICHLOROETHENE | 2.097 | 61 | 53424 | 9.30 | UG/L | | 97 |
| 16) 1,1,2-TRICL-1,2,2-TRIF... | 2.100 | 101 | 32939 | 9.88 | UG/L | | 88 |
| 17) IODOMETHANE | 2.214 | 142 | 507989 | 106.15 | UG/L | | 98 |
| 20) METHYL ACETATE | 2.398 | 43 | 48934 | 7.82 | UG/L | | 99 |
| 21) T-BUTYL ALCOHOL | 2.593 | 59 | 52221 | 82.34 | UG/L | # | 91 |
| 22) ACRYLONITRILE | 2.702 | 53 | 20311 | 10.18 | UG/L | | 95 |
| 23) METHYLENE CHLORIDE | 2.476 | 49 | 54173 | 9.55 | UG/L | | 99 |
| 24) CARBON DISULFIDE | 2.267 | 76 | 1062801 | 96.26 | UG/L | | 100 |
| 25) METHYL TERT-BUTYL ETHE... | 2.738 | 73 | 130367 | 10.45 | UG/L | | 99 |
| 26) TRANS 1,2-DICHLOROETHENE | 2.724 | 61 | 51042 | 9.36 | UG/L | | 98 |
| 27) 1,1-DICHLOROETHANE | 3.146 | 63 | 68307 | 9.82 | UG/L | | 98 |
| 28) VINYL ACETATE | 3.212 | 43 | 1138026 | 98.20 | UG/L | | 100 |
| 29) DI ISOPROYL ETHER | 3.238 | 45 | 157681 | 11.46 | UG/L | | 100 |
| 31) 2-BUTANONE | 3.779 | 43 | 257750 | 110.83 | UG/L | | 98 |
| 32) T-BUTYL ETHYL ETHER | 3.614 | 59 | 138561 | 11.34 | UG/L | | 98 |
| 33) CIS-1,2-DICHLOROETHENE | 3.742 | 61 | 60799 | 10.03 | UG/L | | 93 |
| 34) 2,2-DICHLOROPROPANE | 3.740 | 77 | 52325 | 9.73 | UG/L | # | 72 |
| 35) ETHYL ACETATE | 3.848 | 43 | 53011 | 9.23 | UG/L | # | 97 |
| 38) BROMOCHLOROMETHANE | 3.977 | 49 | 36438 | 10.88 | UG/L | | 99 |
| 39) TETRAHYDROFURAN | 4.049 | 42 | 16971 | 10.25 | UG/L | # | 89 |
| 40) CHLOROFORM | 4.069 | 83 | 65742 | 9.81 | UG/L | | 95 |
| 41) 1,1,1-TRICHLOROETHANE | 4.241 | 97 | 53931 | 9.66 | UG/L | | 96 |
| 42) CYCLOHEXANE | 4.294 | 56 | 66841 | 10.69 | UG/L | | 93 |
| 43) CARBON TETRACHLORIDE | 4.406 | 117 | 43111 | 9.24 | UG/L | | 94 |
| 44) 1,1-DICHLOROPROPENE | 4.412 | 75 | 48074 | 9.95 | UG/L | | 95 |
| 45) BENZENE | 4.612 | 78 | 152732 | 10.37 | UG/L | | 98 |
| 47) T-AMYLMETHYL ETHER | 4.757 | 73 | 131583 | 11.36 | UG/L | | 95 |
| 50) 1,2-DICHLOROETHANE | 4.637 | 62 | 53699 | 9.38 | UG/L | | 99 |
| 51) TRICHLOROETHENE | 5.257 | 95 | 36015 | 9.72 | UG/L | | 98 |
| 52) METHYLCYCLOHEXANE | 5.441 | 83 | 49330 | 11.14 | UG/L | | 97 |
| 53) 1,2-DICHLOROPROPANE | 5.474 | 63 | 43744 | 10.66 | UG/L | # | 98 |

Data Path : C:\msdchem\1\data\C041323\
Data File : C22V10303.D
Acq On : 13 Apr 2023 11:06 am
Operator :
Sample : B0BS1 Inst : GCMSVOA3
Misc :
ALS Vial : 3 Sample Multiplier: 1



Quant Time: Apr 13 13:17:36 2023
Quant Method : C:\msdchem\1\methods\C080822.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
QLast Update : Thu Dec 08 06:26:11 2022
Response via : Initial Calibration

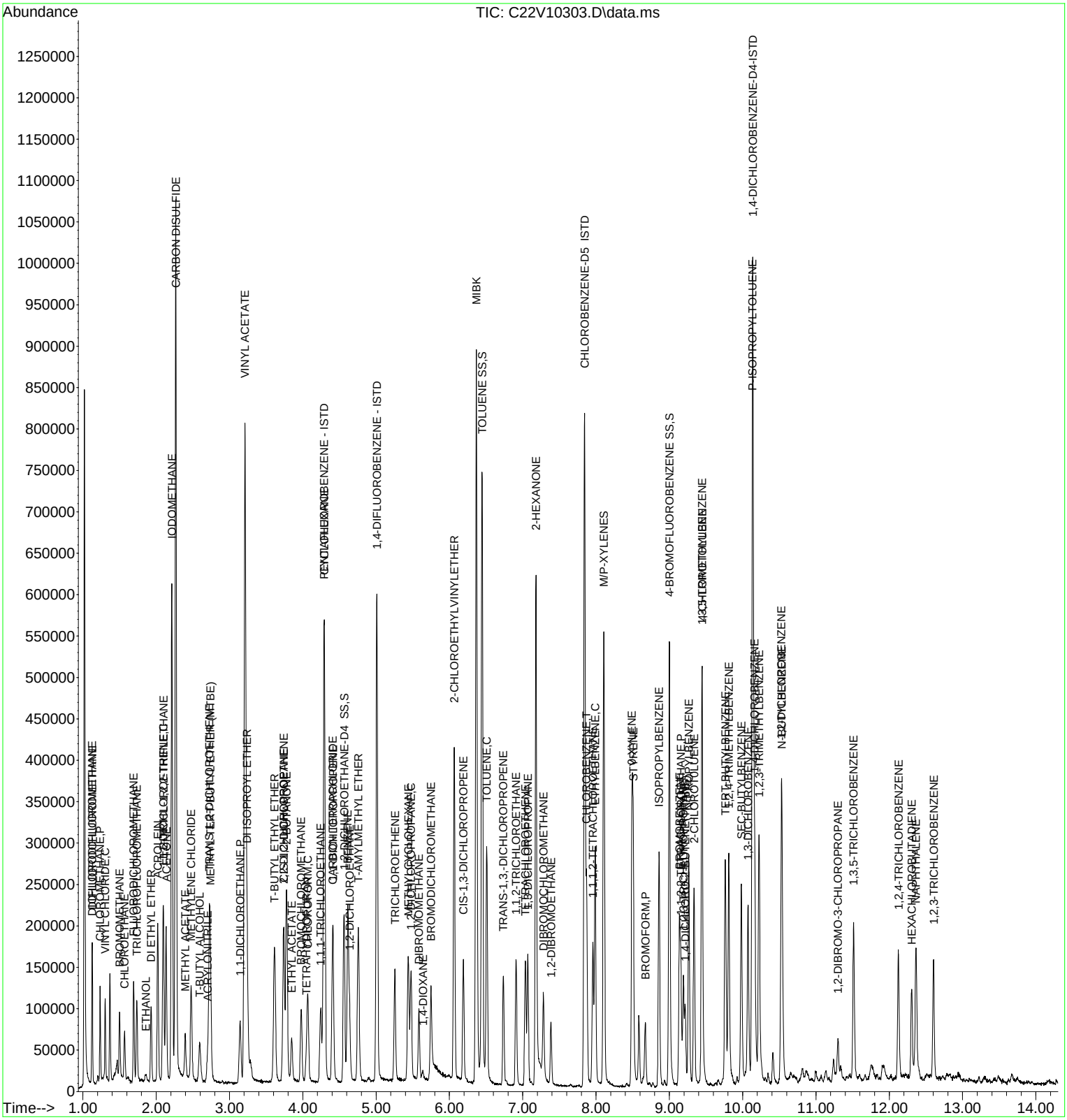
| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 54) DIBROMOMETHANE | 5.583 | 93 | 25211 | 9.43 | UG/L | | 95 |
| 56) 1,4-DIOXANE | 5.639 | 88 | 5510 | 86.97 | UG/L | # | 59 |
| 57) BROMODICHLOROMETHANE | 5.750 | 83 | 50043 | 9.48 | UG/L | | 99 |
| 58) 2-CHLOROETHYLVINYLETHER | 6.065 | 63 | 137670 | 63.04 | UG/L | | 93 |
| 59) MIBK | 6.366 | 43 | 532897 | 96.78 | UG/L | | 99 |
| 60) CIS-1,3-DICHLOROPROPENE | 6.191 | 75 | 65094 | 10.27 | UG/L | | 97 |
| 61) TOLUENE | 6.509 | 91 | 164920 | 10.31 | UG/L | | 99 |
| 62) TRANS-1,3,-DICHLOROPRO... | 6.735 | 75 | 57316 | 10.49 | UG/L | | 95 |
| 64) 1,1,2-TRICHLOROETHANE | 6.907 | 97 | 39490 | 10.54 | UG/L | | 97 |
| 65) 2-HEXANONE | 7.181 | 43 | 376751 | 98.95 | UG/L | | 98 |
| 66) TETRACHLOROETHENE | 7.036 | 166 | 39550 | 10.52 | UG/L | | 98 |
| 67) 1,3-DICHLOROPROPANE | 7.069 | 76 | 69523 | 10.44 | UG/L | | 96 |
| 68) DIBROMOCHLOROMETHANE | 7.284 | 129 | 42543 | 9.44 | UG/L | | 99 |
| 69) 1,2-DIBROMOETHANE | 7.387 | 107 | 40891 | 10.20 | UG/L | | 98 |
| 72) CHLOROBENZENE | 7.869 | 112 | 107656 | 9.81 | UG/L | | 94 |
| 73) 1,1,1,2-TETRACHLOROETHANE | 7.956 | 131 | 39646 | 9.75 | UG/L | | 97 |
| 74) ETHYLBENZENE | 7.987 | 91 | 182047 | 10.26 | UG/L | | 95 |
| 75) M/P-XYLENES | 8.107 | 91 | 275878 | 19.92 | UG/L | | 98 |
| 76) 0-XYLENE | 8.489 | 91 | 143671 | 9.86 | UG/L | | 97 |
| 77) STYRENE | 8.508 | 104 | 117660 | 10.05 | UG/L | | 95 |
| 78) BROMOFORM | 8.675 | 173 | 31234 | 8.57 | UG/L | | 98 |
| 79) ISOPROPYLBENZENE | 8.859 | 105 | 165091 | 9.91 | UG/L | | 98 |
| 81) 1,1,2,2-TETRACHLOROETHANE | 9.158 | 83 | 60090 | 9.41 | UG/L | | 96 |
| 82) 1,4-DICHLORO-2-BUTENE(... | 9.216 | 53 | 15844 | 9.50 | UG/L | # | 83 |
| 83) BROMOBENZENE | 9.138 | 77 | 72150 | 9.92 | UG/L | | 93 |
| 84) 1,2,3-TRICHLOROPROPANE | 9.191 | 75 | 44200 | 8.44 | UG/L | | 98 |
| 85) N-PROPYLBENZENE | 9.267 | 91 | 189032 | 10.14 | UG/L | | 99 |
| 86) 2-CHLOROT0LUENE | 9.339 | 91 | 119052 | 9.80 | UG/L | | 97 |
| 87) 1,3,5-TRIMETHYLBENZENE | 9.445 | 105 | 135141 | 9.89 | UG/L | | 98 |
| 88) 4-CHLOROTOLUENE | 9.448 | 91 | 134471 | 9.73 | UG/L | | 99 |
| 90) TERT-BUTYLBENZENE | 9.763 | 119 | 111638 | 9.99 | UG/L | | 97 |
| 91) 1,2,4-TRIMETHYLBENZENE | 9.810 | 105 | 138355 | 10.08 | UG/L | | 98 |
| 92) SEC-BUTYLBENZENE | 9.983 | 105 | 153801 | 10.32 | UG/L | | 97 |
| 93) 1,3-DICHLOROBENZENE | 10.073 | 146 | 83046 | 10.01 | UG/L | | 99 |
| 94) P-ISOPROPYLTOLUENE | 10.131 | 119 | 131320 | 10.25 | UG/L | | 98 |
| 95) 1,4-DICHLOROBENZENE | 10.162 | 146 | 83324 | 9.43 | UG/L | | 94 |
| 96) 1,2,3-TRIMETHYLBENZENE | 10.226 | 105 | 157826 | 10.37 | UG/L | # | 100 |
| 97) N-BUTYLBENZENE | 10.535 | 91 | 116875 | 10.85 | UG/L | | 97 |
| 98) 1,2-DICHLOROBENZENE | 10.530 | 146 | 85577 | 10.14 | UG/L | | 98 |
| 99) 1,2-DIBROMO-3-CHLOROPR... | 11.300 | 75 | 10323 | 9.00 | UG/L | | 92 |
| 100) 1,3,5-TRICHLOROBENZENE | 11.511 | 180 | 59416 | 11.53 | UG/L | | 98 |
| 101) 1,2,4-TRICHLOROBENZENE | 12.128 | 180 | 47701 | 10.10 | UG/L | | 100 |
| 102) HEXACHLOROBUTADIENE | 12.306 | 225 | 21483 | 10.83 | UG/L | | 100 |
| 103) NAPHTHALENE | 12.365 | 128 | 128926 | 9.11 | UG/L | | 99 |
| 104) 1,2,3-TRICHLOROBENZENE | 12.607 | 180 | 44715 | 9.69 | UG/L | | 97 |

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

Data Path : C:\msdchem\1\data\C041323\
Data File : C22V10303.D
Acq On : 13 Apr 2023 11:06 am
Operator :
Sample : B0BS1 Inst : GCMSVOA3
Misc :
ALS Vial : 3 Sample Multiplier: 1



Quant Time: Apr 13 13:17:36 2023
Quant Method : C:\msdchem\1\methods\C080822.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
QLast Update : Thu Dec 08 06:26:11 2022
Response via : Initial Calibration



# 1 - FORM I
# ANALYSIS DATA SHEET

## LCS Dup

| | | | | | |
|---|---|---|---|---|---|
| Laboratory: | Pace New England | | | Work Order: | 23D0848 |
| Client: | NYDEC_GES - Amherst, NY | | Project: | 275 Franklin St, Buffalo, NY - CO 144192 | |
| Matrix: | Water | Laboratory ID: | B337043-BSD1 | File ID: | C22V10304.D |
| Sampled: | | Prepared: | 04/13/23 07:07 | Analyzed: | 04/13/23 11:32 |
| Solids: | | Preparation: | SW-846 5030B | Dilution: | |
| Batch: | B337043 | Sequence: | S085958 | Calibration: | 2200537 |
| Column: | 1 | | | | |

Instrument: GCMSVOA3

| CAS NO. | COMPOUND | CONC. (µg/L) | MDL | RL | Q |
|---|---|---|---|---|---|
| 67-64-1 | Acetone | 102 | 2.0 | 50 | |
| 71-43-2 | Benzene | 10.6 | 0.18 | 1.0 | |
| 74-97-5 | Bromochloromethane | 11.0 | 0.28 | 1.0 | |
| 75-27-4 | Bromodichloromethane | 9.76 | 0.16 | 0.50 | |
| 75-25-2 | Bromoform | 9.10 | 0.41 | 1.0 | |
| 74-83-9 | Bromomethane | 10.4 | 1.3 | 2.0 | |
| 78-93-3 | 2-Butanone (MEK) | 116 | 1.7 | 20 | |
| 75-15-0 | Carbon Disulfide | 96.2 | 1.6 | 5.0 | |
| 56-23-5 | Carbon Tetrachloride | 9.12 | 0.16 | 5.0 | |
| 108-90-7 | Chlorobenzene | 9.88 | 0.12 | 1.0 | |
| 124-48-1 | Chlorodibromomethane | 9.32 | 0.20 | 0.50 | |
| 75-00-3 | Chloroethane | 9.18 | 0.34 | 2.0 | |
| 67-66-3 | Chloroform | 9.62 | 0.14 | 2.0 | |
| 74-87-3 | Chloromethane | 8.86 | 0.50 | 2.0 | |
| 110-82-7 | Cyclohexane | 10.7 | 1.8 | 5.0 | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane (DBCP) | 9.46 | 0.85 | 5.0 | |
| 106-93-4 | 1,2-Dibromoethane (EDB) | 10.1 | 0.16 | 0.50 | |
| 95-50-1 | 1,2-Dichlorobenzene | 9.85 | 0.13 | 1.0 | |
| 541-73-1 | 1,3-Dichlorobenzene | 10.0 | 0.14 | 1.0 | |
| 106-46-7 | 1,4-Dichlorobenzene | 9.64 | 0.13 | 1.0 | |
| 75-71-8 | Dichlorodifluoromethane (Freon 12) | 10.8 | 0.16 | 2.0 | |
| 75-34-3 | 1,1-Dichloroethane | 9.86 | 0.14 | 1.0 | |
| 107-06-2 | 1,2-Dichloroethane | 9.03 | 0.30 | 1.0 | |
| 75-35-4 | 1,1-Dichloroethylene | 9.24 | 0.14 | 1.0 | |
| 156-59-2 | cis-1,2-Dichloroethylene | 9.60 | 0.14 | 1.0 | |
| 156-60-5 | trans-1,2-Dichloroethylene | 9.35 | 0.17 | 1.0 | |
| 78-87-5 | 1,2-Dichloropropane | 10.7 | 0.19 | 1.0 | |
| 10061-01-5 | cis-1,3-Dichloropropene | 10.2 | 0.16 | 0.50 | |
| 10061-02-6 | trans-1,3-Dichloropropene | 10.0 | 0.14 | 0.50 | |
| 123-91-1 | 1,4-Dioxane | 104 | 18 | 50 | |

# 1 - FORM I
# ANALYSIS DATA SHEET

## LCS Dup

| | | | | | |
|---|---|---|---|---|---|
| Laboratory: | Pace New England | | | Work Order: | 23D0848 |
| Client: | NYDEC_GES - Amherst, NY | | Project: | 275 Franklin St, Buffalo, NY - CO 144192 | |
| Matrix: | Water | Laboratory ID: | B337043-BSD1 | File ID: | C22V10304.D |
| Sampled: | | Prepared: | 04/13/23 07:07 | Analyzed: | 04/13/23 11:32 |
| Solids: | | Preparation: | SW-846 5030B | Dilution: | |
| Batch: | B337043 | Sequence: | S085958 | Calibration: | 2200537 |
| Column: | 1 | | | | |

Instrument: GCMSVOA3

| CAS NO. | COMPOUND | CONC. (µg/L) | MDL | RL | Q |
|---|---|---|---|---|---|
| 100-41-4 | Ethylbenzene | 10.2 | 0.22 | 1.0 | |
| 591-78-6 | 2-Hexanone (MBK) | 113 | 1.2 | 10 | |
| 98-82-8 | Isopropylbenzene (Cumene) | 10.1 | 0.15 | 1.0 | |
| 79-20-9 | Methyl Acetate | 8.41 | 0.61 | 1.0 | V-05 |
| 1634-04-4 | Methyl tert-Butyl Ether (MTBE) | 10.4 | 0.17 | 1.0 | |
| 108-87-2 | Methyl Cyclohexane | 11.3 | 0.16 | 1.0 | |
| 75-09-2 | Methylene Chloride | 9.32 | 0.18 | 5.0 | |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | 106 | 1.3 | 10 | |
| 100-42-5 | Styrene | 10.4 | 0.15 | 1.0 | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 9.51 | 0.14 | 0.50 | |
| 127-18-4 | Tetrachloroethylene | 10.1 | 0.17 | 1.0 | |
| 108-88-3 | Toluene | 10.1 | 0.22 | 1.0 | |
| 87-61-6 | 1,2,3-Trichlorobenzene | 9.53 | 0.34 | 5.0 | |
| 120-82-1 | 1,2,4-Trichlorobenzene | 10.4 | 0.30 | 1.0 | |
| 71-55-6 | 1,1,1-Trichloroethane | 9.45 | 0.15 | 1.0 | |
| 79-00-5 | 1,1,2-Trichloroethane | 10.2 | 0.19 | 1.0 | |
| 79-01-6 | Trichloroethylene | 10.0 | 0.17 | 1.0 | |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | 9.08 | 0.15 | 2.0 | |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1 | 9.79 | 0.21 | 1.0 | |
| 75-01-4 | Vinyl Chloride | 10.9 | 0.24 | 2.0 | |
| 108383/106423 | m+p Xylene | 20.1 | 0.49 | 2.0 | |
| 95-47-6 | o-Xylene | 10.0 | 0.24 | 1.0 | |
| 1330-20-7 | Xylenes (total) | 30.1 | 1.0 | 1.0 | |

Data Path : C:\msdchem\1\data\C041323\
Data File : C22V10304.D
Acq On : 13 Apr 2023 11:32 am
Operator :
Sample : B0BSD1 Inst : GCMSVOA3
Misc :
ALS Vial : 4 Sample Multiplier: 1



Quant Time: Apr 13 13:18:54 2023
Quant Method : C:\msdchem\1\methods\C080822.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
QLast Update : Thu Dec 08 06:26:11 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) PENTAFLUOROBENZENE - ISTD | 4.289 | 168 | 265592 | 30.00 | UG/L | | -0.02 |
| 48) 1,4-DIFLUOROBENZENE - ... | 5.008 | 114 | 421304 | 30.00 | UG/L | | -0.01 |
| 70) CHLOROBENZENE-D5 ISTD | 7.841 | 82 | 211901 | 30.00 | UG/L | | 0.00 |
| 89) 1,4-DICHLOROBENZENE-D4... | 10.139 | 152 | 212179 | 30.00 | UG/L | # | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 2) 1,2-DICHLOROETHANE-D4 SS | 4.562 | 65 | 116379 | 23.35 | UG/L | | -0.02 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 93.40% | | | | |
| 49) TOLUENE SS | 6.444 | 98 | 418576 | 25.09 | UG/L | | -0.01 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 100.36% | | | | |
| 71) 4-BROMOFLUOROBENZENE SS | 8.999 | 95 | 151591 | 24.13 | UG/L | | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 96.52% | | | | |
| Target Compounds | | | | | | | Qvalue |
| 3) DICHLORODIFLUOROMETHANE | 1.124 | 85 | 41312 | 10.75 | UG/L | | 96 |
| 4) DIFLUOROCHLOROMETHANE | 1.129 | 51 | 59598 | 11.77 | UG/L | # | 100 |
| 5) CHLOROMETHANE | 1.235 | 50 | 55659m | 8.86 | UG/L | | |
| 6) VINYL CHLORIDE | 1.305 | 62 | 50518 | 10.93 | UG/L | | 96 |
| 7) BROMOMETHANE | 1.497 | 94 | 28366 | 10.40 | UG/L | | 96 |
| 8) CHLOROETHANE | 1.564 | 64 | 29263 | 9.18 | UG/L | | 99 |
| 9) FLUORODICHLOROMETHANE | 1.693 | 67 | 73584 | 9.89 | UG/L | | 98 |
| 10) TRICHLOROFLUOROMETHANE | 1.732 | 101 | 51367 | 9.08 | UG/L | | 94 |
| 11) ETHANOL | 1.860 | 45 | 8695 | 94.74 | UG/L | # | 91 |
| 12) DI ETHYL ETHER | 1.930 | 59 | 34923 | 10.62 | UG/L | | 98 |
| 13) ACROLEIN | 2.022 | 56 | 119112 | 147.09 | UG/L | | 98 |
| 14) ACETONE | 2.136 | 43 | 165158 | 102.45 | UG/L | | 96 |
| 15) 1,1-DICHLOROETHENE | 2.094 | 61 | 53220 | 9.24 | UG/L | | 99 |
| 16) 1,1,2-TRICL-1,2,2-TRIF... | 2.091 | 101 | 32725 | 9.79 | UG/L | | 88 |
| 17) IODOMETHANE | 2.211 | 142 | 511203 | 106.54 | UG/L | | 97 |
| 20) METHYL ACETATE | 2.398 | 43 | 52795 | 8.41 | UG/L | | 96 |
| 21) T-BUTYL ALCOHOL | 2.602 | 59 | 60395 | 94.97 | UG/L | # | 77 |
| 22) ACRYLONITRILE | 2.702 | 53 | 22044 | 11.02 | UG/L | | 99 |
| 23) METHYLENE CHLORIDE | 2.479 | 49 | 53037 | 9.32 | UG/L | | 97 |
| 24) CARBON DISULFIDE | 2.264 | 76 | 1065417 | 96.24 | UG/L | | 99 |
| 25) METHYL TERT-BUTYL ETHE... | 2.738 | 73 | 129824 | 10.38 | UG/L | | 99 |
| 26) TRANS 1,2-DICHLOROETHENE | 2.719 | 61 | 51151 | 9.35 | UG/L | | 96 |
| 27) 1,1-DICHLOROETHANE | 3.145 | 63 | 68778 | 9.86 | UG/L | | 99 |
| 28) VINYL ACETATE | 3.212 | 43 | 1162691 | 100.06 | UG/L | | 100 |
| 29) DI ISOPROYL ETHER | 3.240 | 45 | 155693 | 11.28 | UG/L | | 100 |
| 31) 2-BUTANONE | 3.784 | 43 | 270398 | 115.95 | UG/L | | 99 |
| 32) T-BUTYL ETHYL ETHER | 3.614 | 59 | 136934 | 11.18 | UG/L | | 99 |
| 33) CIS-1,2-DICHLOROETHENE | 3.737 | 61 | 58322 | 9.60 | UG/L | | 96 |
| 34) 2,2-DICHLOROPROPANE | 3.737 | 77 | 51808 | 9.61 | UG/L | | 93 |
| 35) ETHYL ACETATE | 3.857 | 43 | 56510 | 9.81 | UG/L | | 96 |
| 38) BROMOCHLOROMETHANE | 3.976 | 49 | 36999 | 11.02 | UG/L | | 96 |
| 39) TETRAHYDROFURAN | 4.057 | 42 | 20018 | 12.05 | UG/L | | 98 |
| 40) CHLOROFORM | 4.068 | 83 | 64656 | 9.62 | UG/L | | 95 |
| 41) 1,1,1-TRICHLOROETHANE | 4.241 | 97 | 52919 | 9.45 | UG/L | | 94 |
| 42) CYCLOHEXANE | 4.292 | 56 | 67114 | 10.71 | UG/L | | 98 |
| 43) CARBON TETRACHLORIDE | 4.406 | 117 | 42648 | 9.12 | UG/L | | 93 |
| 44) 1,1-DICHLOROPROPENE | 4.406 | 75 | 47853 | 9.87 | UG/L | | 96 |
| 45) BENZENE | 4.612 | 78 | 156267 | 10.58 | UG/L | | 99 |
| 47) T-AMYLMETHYL ETHER | 4.757 | 73 | 137425 | 11.83 | UG/L | | 95 |
| 50) 1,2-DICHLOROETHANE | 4.635 | 62 | 54245 | 9.03 | UG/L | | 99 |
| 51) TRICHLOROETHENE | 5.254 | 95 | 39031 | 10.04 | UG/L | | 94 |
| 52) METHYLCYCLOHEXANE | 5.435 | 83 | 52518 | 11.30 | UG/L | | 98 |
| 53) 1,2-DICHLOROPROPANE | 5.474 | 63 | 45837 | 10.66 | UG/L | | 98 |

Data Path : C:\msdchem\1\data\C041323\
Data File : C22V10304.D
Acq On : 13 Apr 2023 11:32 am
Operator :
Sample : B0BSD1 Inst : GCMSVOA3
Misc :
ALS Vial : 4 Sample Multiplier: 1



Quant Time: Apr 13 13:18:54 2023
Quant Method : C:\msdchem\1\methods\C080822.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
QLast Update : Thu Dec 08 06:26:11 2022
Response via : Initial Calibration

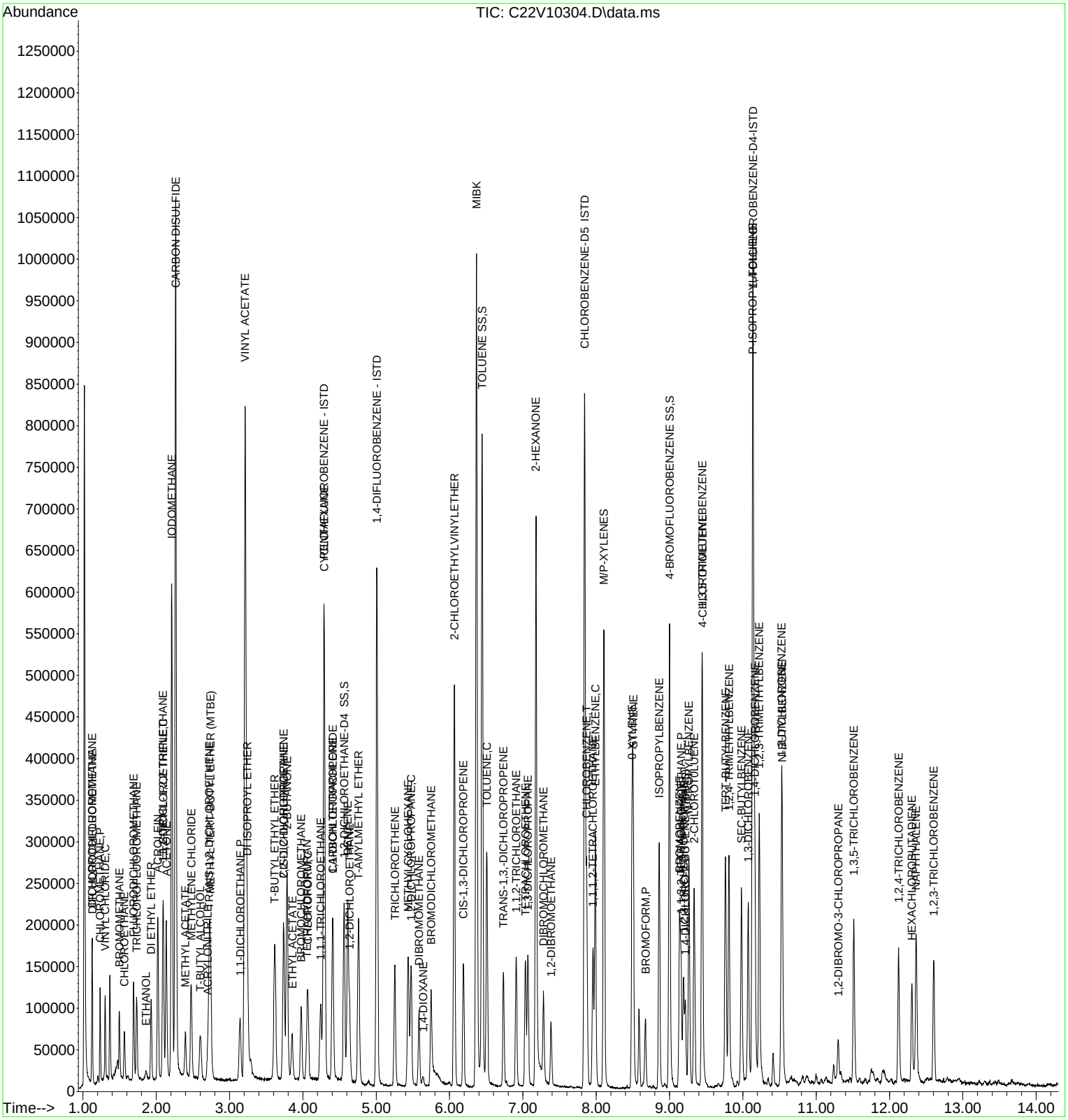
| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 54) DIBROMOMETHANE | 5.583 | 93 | 26828 | 9.57 | UG/L | | 93 |
| 56) 1,4-DIOXANE | 5.638 | 88 | 6891 | 103.71 | UG/L | # | 63 |
| 57) BROMODICHLOROMETHANE | 5.747 | 83 | 54031 | 9.76 | UG/L | | 97 |
| 58) 2-CHLOROETHYLVINYLETHER | 6.065 | 63 | 162060 | 70.75 | UG/L | | 93 |
| 59) MIBK | 6.366 | 43 | 610632 | 105.74 | UG/L | | 98 |
| 60) CIS-1,3-DICHLOROPROPENE | 6.188 | 75 | 67861 | 10.21 | UG/L | | 97 |
| 61) TOLUENE | 6.509 | 91 | 169601 | 10.10 | UG/L | | 98 |
| 62) TRANS-1,3,-DICHLOROPRO... | 6.734 | 75 | 57473 | 10.03 | UG/L | | 96 |
| 64) 1,1,2-TRICHLOROETHANE | 6.907 | 97 | 40173 | 10.23 | UG/L | | 96 |
| 65) 2-HEXANONE | 7.178 | 43 | 451222 | 113.00 | UG/L | | 97 |
| 66) TETRACHLOROETHENE | 7.036 | 166 | 39869 | 10.11 | UG/L | | 98 |
| 67) 1,3-DICHLOROPROPANE | 7.066 | 76 | 72559 | 10.39 | UG/L | | 97 |
| 68) DIBROMOCHLOROMETHANE | 7.281 | 129 | 44040 | 9.32 | UG/L | | 96 |
| 69) 1,2-DIBROMOETHANE | 7.384 | 107 | 42556 | 10.12 | UG/L | | 98 |
| 72) CHLOROBENZENE | 7.869 | 112 | 110011 | 9.88 | UG/L | | 93 |
| 73) 1,1,1,2-TETRACHLOROETHANE | 7.953 | 131 | 40493 | 9.81 | UG/L | | 97 |
| 74) ETHYLBENZENE | 7.987 | 91 | 182900 | 10.16 | UG/L | | 97 |
| 75) M/P-XYLENES | 8.104 | 91 | 282059 | 20.06 | UG/L | | 98 |
| 76) 0-XYLENE | 8.488 | 91 | 147883 | 10.00 | UG/L | | 97 |
| 77) STYRENE | 8.505 | 104 | 123621 | 10.40 | UG/L | | 99 |
| 78) BROMOFORM | 8.673 | 173 | 33658 | 9.10 | UG/L | | 99 |
| 79) ISOPROPYLBENZENE | 8.859 | 105 | 171375 | 10.13 | UG/L | | 97 |
| 81) 1,1,2,2-TETRACHLOROETHANE | 9.158 | 83 | 61663 | 9.51 | UG/L | | 96 |
| 82) 1,4-DICHLORO-2-BUTENE(... | 9.214 | 53 | 16956 | 10.01 | UG/L | # | 82 |
| 83) BROMOBENZENE | 9.135 | 77 | 73358 | 9.94 | UG/L | | 92 |
| 84) 1,2,3-TRICHLOROPROPANE | 9.191 | 75 | 46124 | 8.68 | UG/L | | 99 |
| 85) N-PROPYLBENZENE | 9.264 | 91 | 190369 | 10.06 | UG/L | | 96 |
| 86) 2-CHLOROT0LUENE | 9.336 | 91 | 119803 | 9.71 | UG/L | | 98 |
| 87) 1,3,5-TRIMETHYLBENZENE | 9.445 | 105 | 136133 | 9.82 | UG/L | | 99 |
| 88) 4-CHLOROTOLUENE | 9.448 | 91 | 138686 | 9.89 | UG/L | | 97 |
| 90) TERT-BUTYLBENZENE | 9.763 | 119 | 113262 | 9.97 | UG/L | | 97 |
| 91) 1,2,4-TRIMETHYLBENZENE | 9.810 | 105 | 139072 | 9.96 | UG/L | | 95 |
| 92) SEC-BUTYLBENZENE | 9.980 | 105 | 153768 | 10.14 | UG/L | | 98 |
| 93) 1,3-DICHLOROBENZENE | 10.075 | 146 | 84790 | 10.05 | UG/L | | 99 |
| 94) P-ISOPROPYLTOLUENE | 10.131 | 119 | 134249 | 10.30 | UG/L | | 99 |
| 95) 1,4-DICHLOROBENZENE | 10.164 | 146 | 86629 | 9.64 | UG/L | | 99 |
| 96) 1,2,3-TRIMETHYLBENZENE | 10.223 | 105 | 163091 | 10.53 | UG/L | # | 100 |
| 97) N-BUTYLBENZENE | 10.538 | 91 | 120497 | 10.99 | UG/L | | 94 |
| 98) 1,2-DICHLOROBENZENE | 10.527 | 146 | 84585 | 9.85 | UG/L | | 98 |
| 99) 1,2-DIBROMO-3-CHLOROPR... | 11.302 | 75 | 11030 | 9.46 | UG/L | | 90 |
| 100) 1,3,5-TRICHLOROBENZENE | 11.511 | 180 | 60329 | 11.51 | UG/L | | 98 |
| 101) 1,2,4-TRICHLOROBENZENE | 12.125 | 180 | 50006 | 10.41 | UG/L | | 97 |
| 102) HEXACHLOROBUTADIENE | 12.303 | 225 | 22236 | 11.02 | UG/L | | 95 |
| 103) NAPHTHALENE | 12.362 | 128 | 132488 | 9.20 | UG/L | | 99 |
| 104) 1,2,3-TRICHLOROBENZENE | 12.602 | 180 | 44731 | 9.53 | UG/L | | 99 |

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

Data Path : C:\msdchem\1\data\C041323\
Data File : C22V10304.D
Acq On : 13 Apr 2023 11:32 am
Operator :
Sample : B0BSD1 Inst : GCMSVOA3
Misc :
ALS Vial : 4 Sample Multiplier: 1



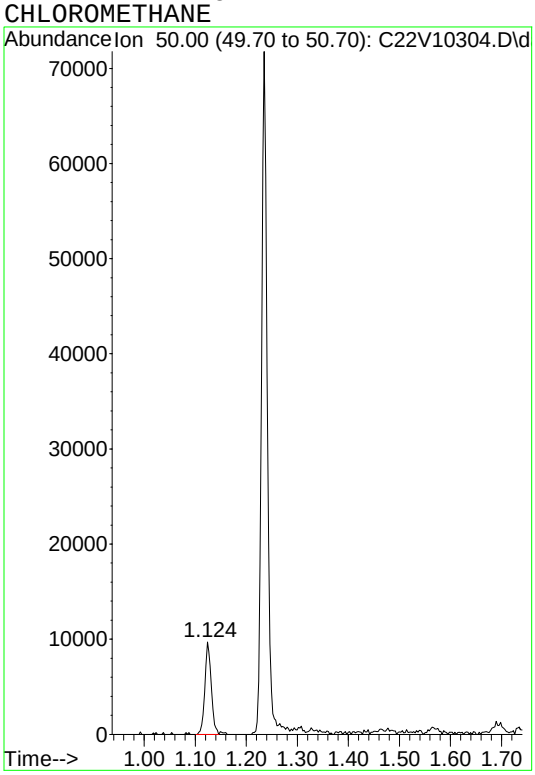
Quant Time: Apr 13 13:18:54 2023
Quant Method : C:\msdchem\1\methods\C080822.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
QLast Update : Thu Dec 08 06:26:11 2022
Response via : Initial Calibration



Data Path : C:\msdchem\1\data\C041323\
Data File : C22V10304.D
Acq On : 13 Apr 2023 11:32 am
Operator :
Sample : B0BSD1
Misc :

Quant Time : Thu Apr 13 13:18:54 2023
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Thu Dec 08 06:26:11 2022

Original Integration
CHLOROMETHANE




Original Int. Results
---

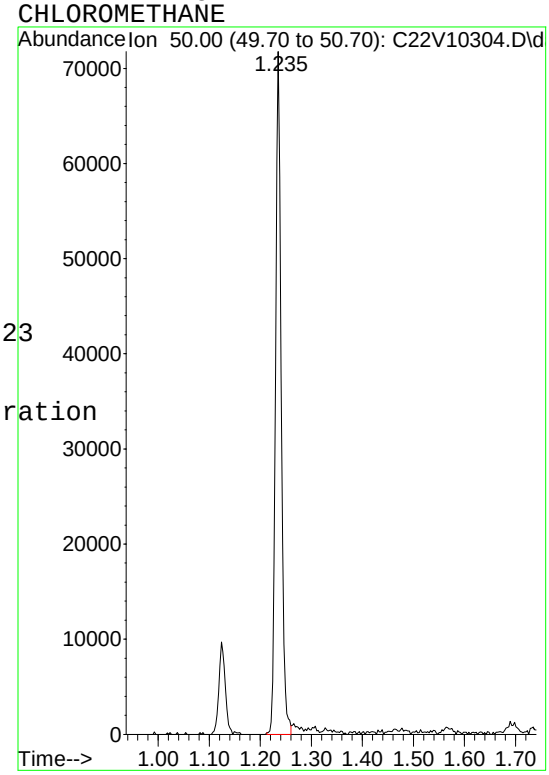
RT : 1.12
Area : 8414
Amount: 1.33947

Manual Int. Results
---

Thu Apr 13 13:18:54 2023

MIuser: MFF
Reason: Incorret Integration
RT : 1.24
Area : 55659
Amount: 8.86064

Manual Integration
CHLOROMETHANE



# 1 - FORM I
# ANALYSIS DATA SHEET

## Blank

| | | | | | |
|---|---|---|---|---|---|
| Laboratory: | Pace New England | | | Work Order: | 23D0848 |
| Client: | NYDEC_GES - Amherst, NY | | Project: | 275 Franklin St, Buffalo, NY - CO 144192 | |
| Matrix: | Water | Laboratory ID: | B337044-BLK1 | File ID: | C22V10492.D |
| Sampled: | | Prepared: | 04/13/23 07:13 | Analyzed: | 04/16/23 03:08 |
| Solids: | | Preparation: | SW-846 5030B | Dilution: | |
| Batch: | B337044 | Sequence: | S086046 | Calibration: | 2200537 |
| Column: | 1 | | | | |

Instrument: GCMSVOA3

| CAS NO. | COMPOUND | CONC. (µg/L) | MDL | RL | Q |
|---|---|---|---|---|---|
| 67-64-1 | Acetone | | 2.0 | 50 | |
| 71-43-2 | Benzene | | 0.18 | 1.0 | |
| 74-97-5 | Bromochloromethane | | 0.28 | 1.0 | |
| 75-27-4 | Bromodichloromethane | | 0.16 | 0.50 | |
| 75-25-2 | Bromoform | | 0.41 | 1.0 | |
| 74-83-9 | Bromomethane | | 1.3 | 2.0 | |
| 78-93-3 | 2-Butanone (MEK) | | 1.7 | 20 | |
| 75-65-0 | tert-Butyl Alcohol (TBA) | | 4.3 | 20 | |
| 75-15-0 | Carbon Disulfide | | 1.6 | 5.0 | |
| 56-23-5 | Carbon Tetrachloride | | 0.16 | 5.0 | |
| 108-90-7 | Chlorobenzene | | 0.12 | 1.0 | |
| 124-48-1 | Chlorodibromomethane | | 0.20 | 0.50 | |
| 75-00-3 | Chloroethane | | 0.34 | 2.0 | |
| 67-66-3 | Chloroform | | 0.14 | 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) | | 0.85 | 5.0 | |
| 106-93-4 | 1,2-Dibromoethane (EDB) | | 0.16 | 0.50 | |
| 95-50-1 | 1,2-Dichlorobenzene | | 0.13 | 1.0 | |
| 541-73-1 | 1,3-Dichlorobenzene | | 0.14 | 1.0 | |
| 106-46-7 | 1,4-Dichlorobenzene | | 0.13 | 1.0 | |
| 75-71-8 | Dichlorodifluoromethane (Freon 12) | | 0.16 | 2.0 | |
| 75-34-3 | 1,1-Dichloroethane | | 0.14 | 1.0 | |
| 107-06-2 | 1,2-Dichloroethane | | 0.30 | 1.0 | |
| 75-35-4 | 1,1-Dichloroethylene | | 0.14 | 1.0 | |
| 156-59-2 | cis-1,2-Dichloroethylene | | 0.14 | 1.0 | |
| 156-60-5 | trans-1,2-Dichloroethylene | | 0.17 | 1.0 | |
| 78-87-5 | 1,2-Dichloropropane | | 0.19 | 1.0 | |
| 10061-01-5 | cis-1,3-Dichloropropene | | 0.16 | 0.50 | |
| 10061-02-6 | trans-1,3-Dichloropropene | | 0.14 | 0.50 | |

# 1 - FORM I
# ANALYSIS DATA SHEET

## Blank

| | | | | | |
|---|---|---|---|---|---|
| Laboratory: | Pace New England | | | Work Order: | 23D0848 |
| Client: | NYDEC_GES - Amherst, NY | | Project: | 275 Franklin St, Buffalo, NY - CO 144192 | |
| Matrix: | Water | Laboratory ID: | B337044-BLK1 | File ID: | C22V10492.D |
| Sampled: | | Prepared: | 04/13/23 07:13 | Analyzed: | 04/16/23 03:08 |
| Solids: | | Preparation: | SW-846 5030B | Dilution: | |
| Batch: | B337044 | Sequence: | S086046 | Calibration: | 2200537 |
| Column: | 1 | | | | |

Instrument: GCMSVOA3

| CAS NO. | COMPOUND | CONC. (µg/L) | MDL | RL | Q |
|---|---|---|---|---|---|
| 123-91-1 | 1,4-Dioxane | | 18 | 50 | |
| 100-41-4 | Ethylbenzene | | 0.22 | 1.0 | |
| 591-78-6 | 2-Hexanone (MBK) | | 1.2 | 10 | |
| 98-82-8 | Isopropylbenzene (Cumene) | | 0.15 | 1.0 | |
| 79-20-9 | Methyl Acetate | | 0.61 | 1.0 | |
| 1634-04-4 | Methyl tert-Butyl Ether (MTBE) | | 0.17 | 1.0 | |
| 108-87-2 | Methyl Cyclohexane | | 0.16 | 1.0 | |
| 75-09-2 | Methylene Chloride | | 0.18 | 5.0 | |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | | 1.3 | 10 | |
| 100-42-5 | Styrene | | 0.15 | 1.0 | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | | 0.14 | 0.50 | |
| 127-18-4 | Tetrachloroethylene | | 0.17 | 1.0 | |
| 108-88-3 | Toluene | | 0.22 | 1.0 | |
| 87-61-6 | 1,2,3-Trichlorobenzene | | 0.34 | 5.0 | |
| 120-82-1 | 1,2,4-Trichlorobenzene | | 0.30 | 1.0 | |
| 71-55-6 | 1,1,1-Trichloroethane | | 0.15 | 1.0 | |
| 79-00-5 | 1,1,2-Trichloroethane | | 0.19 | 1.0 | |
| 79-01-6 | Trichloroethylene | | 0.17 | 1.0 | |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | | 0.15 | 2.0 | |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1 | | 0.21 | 1.0 | |
| 526-73-8 | 1,2,3-Trimethylbenzene | | 0.23 | 0.50 | |
| 95-63-6 | 1,2,4-Trimethylbenzene | | 0.20 | 1.0 | |
| 108-67-8 | 1,3,5-Trimethylbenzene | | 0.15 | 1.0 | |
| 75-01-4 | Vinyl Chloride | | 0.24 | 2.0 | |
| 108383/106423 | m+p Xylene | | 0.49 | 2.0 | |
| 95-47-6 | o-Xylene | | 0.24 | 1.0 | |
| 1330-20-7 | Xylenes (total) | | 1.0 | 1.0 | |

Data Path : C:\msdchem\1\data\C041423\
Data File : C22V10492.D
Acq On : 16 Apr 2023 3:08 am
Operator :
Sample : B0-BLK1 Inst : GCMSVOA3
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Apr 17 09:57:44 2023
Quant Method : C:\msdchem\1\methods\C080822.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
QLast Update : Thu Dec 08 06:26:11 2022
Response via : Initial Calibration

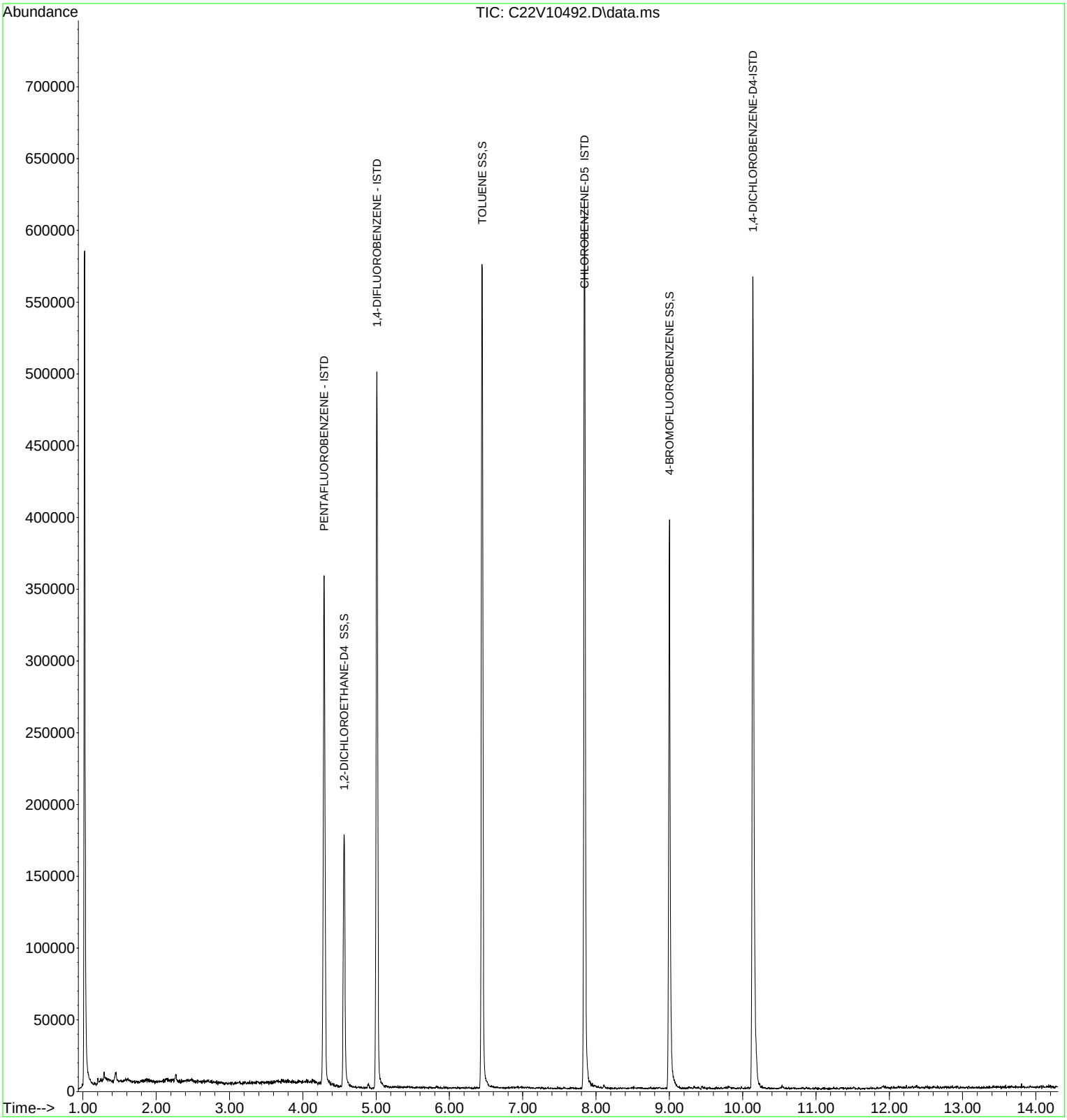
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) PENTAFLUOROBENZENE - ISTD | 4.292 | 168 | 220765 | 30.00 | UG/L | -0.02 |
| 48) 1,4-DIFLUOROBENZENE - ... | 5.011 | 114 | 336848 | 30.00 | UG/L | -0.01 |
| 70) CHLOROBENZENE-D5 ISTD | 7.841 | 82 | 166599 | 30.00 | UG/L | 0.00 |
| 89) 1,4-DICHLOROBENZENE-D4... | 10.139 | 152 | 160510 | 30.00 | UG/L | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 2) 1,2-DICHLOROETHANE-D4 SS | 4.562 | 65 | 103279 | 24.93 | UG/L | -0.02 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 99.72% | | | |
| 49) TOLUENE SS | 6.447 | 98 | 330333 | 24.76 | UG/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 99.04% | | | |
| 71) 4-BROMOFLUOROBENZENE SS | 9.002 | 95 | 116902 | 23.67 | UG/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 94.68% | | | |
| Target Compounds | | | | | | Qvalue |

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

Data Path : C:\msdchem\1\data\C041423\
Data File : C22V10492.D
Acq On : 16 Apr 2023 3:08 am
Operator :
Sample : B0-BLK1 Inst : GCMSVOA3
Misc :
ALS Vial : 12 Sample Multiplier: 1



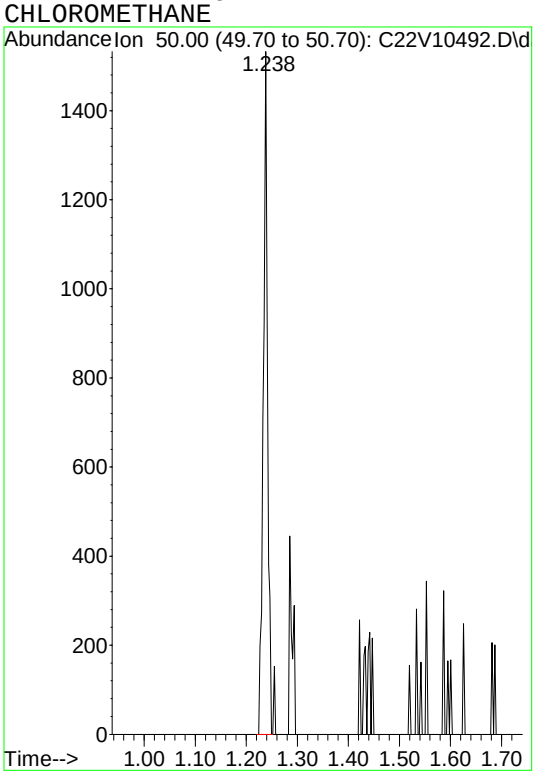
Quant Time: Apr 17 09:57:44 2023
Quant Method : C:\msdchem\1\methods\C080822.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
QLast Update : Thu Dec 08 06:26:11 2022
Response via : Initial Calibration



Data Path : C:\msdchem\1\data\C041423\
Data File : C22V10492.D
Acq On : 16 Apr 2023 3:08 am
Operator :
Sample : B0-BLK1
Misc :

Quant Time : Mon Apr 17 09:57:44 2023
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Thu Dec 08 06:26:11 2022

Original Integration
CHLOROMETHANE




Original Int. Results
---

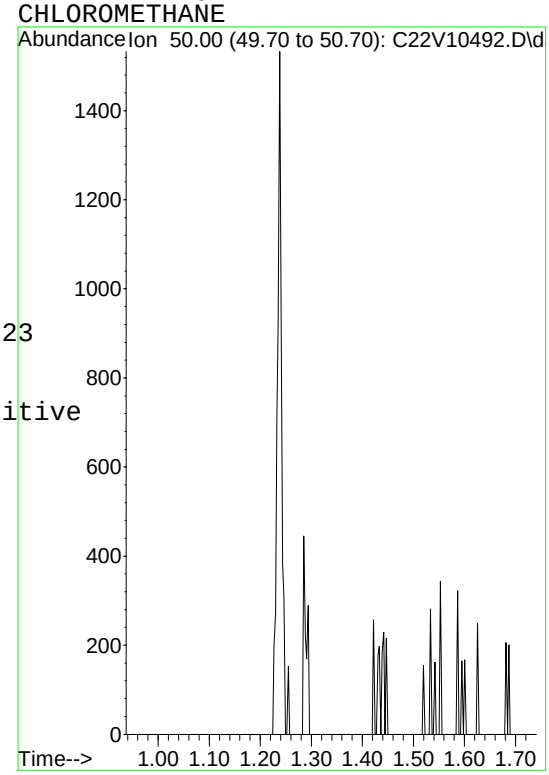
RT : 1.24
Area : 887
Amount: 0.169878

Manual Int. Results
---

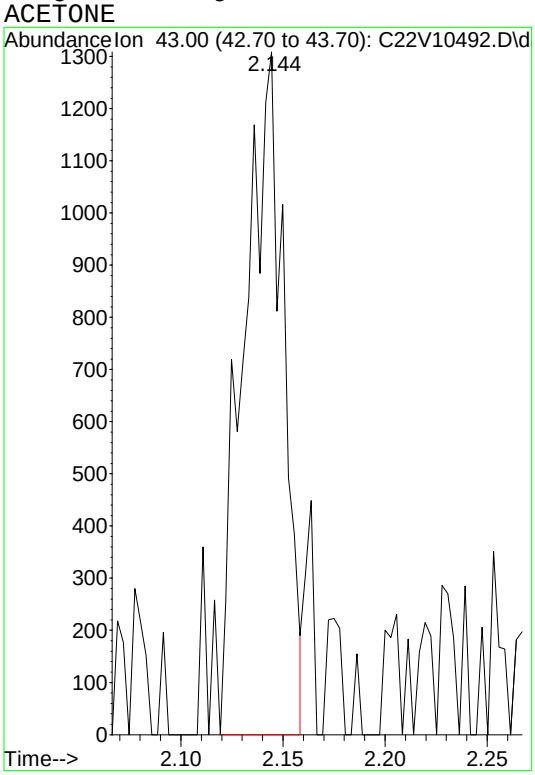
Mon Apr 17 09:57:20 2023

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

Manual Integration
CHLOROMETHANE




Original Integration
ACETONE




Original Int. Results
---

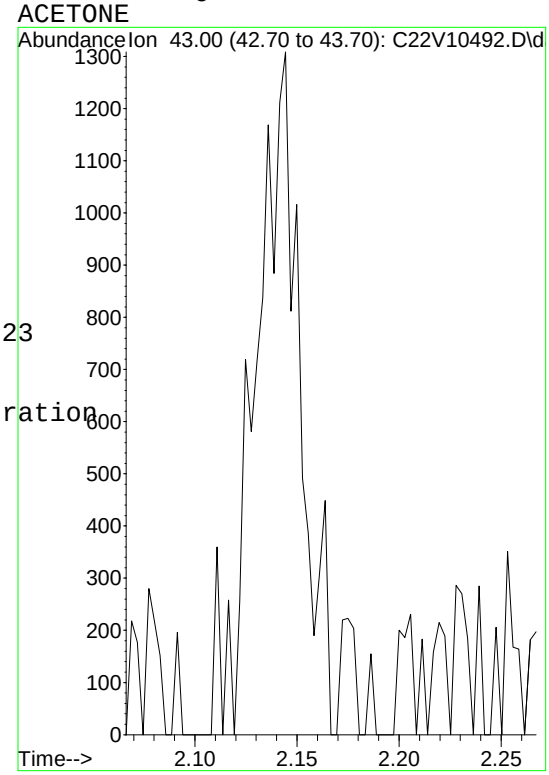
RT : 2.14
Area : 1770
Amount: 1.32091

Manual Int. Results
---

Mon Apr 17 09:57:23 2023

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

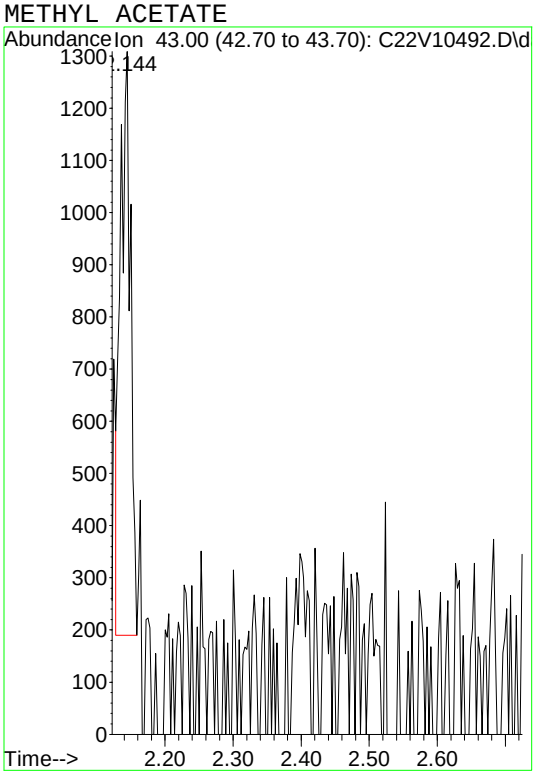
Manual Integration
ACETONE



Data Path : C:\msdchem\1\data\C041423\
Data File : C22V10492.D
Acq On : 16 Apr 2023 3:08 am
Operator :
Sample : B0-BLK1
Misc :

Quant Time : Mon Apr 17 09:57:44 2023
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Thu Dec 08 06:26:11 2022

Original Integration
METHYL ACETATE




Original Int. Results
---

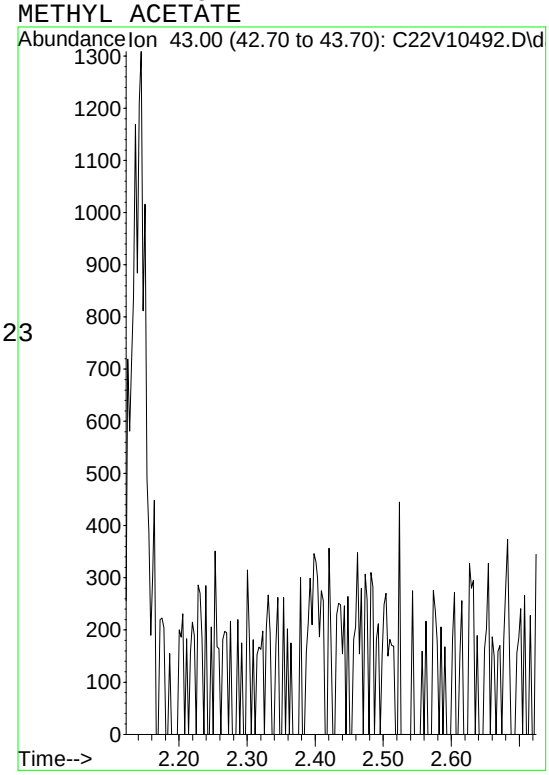
RT : 2.14
Area : 1160
Amount: 0.222376

Manual Int. Results
---

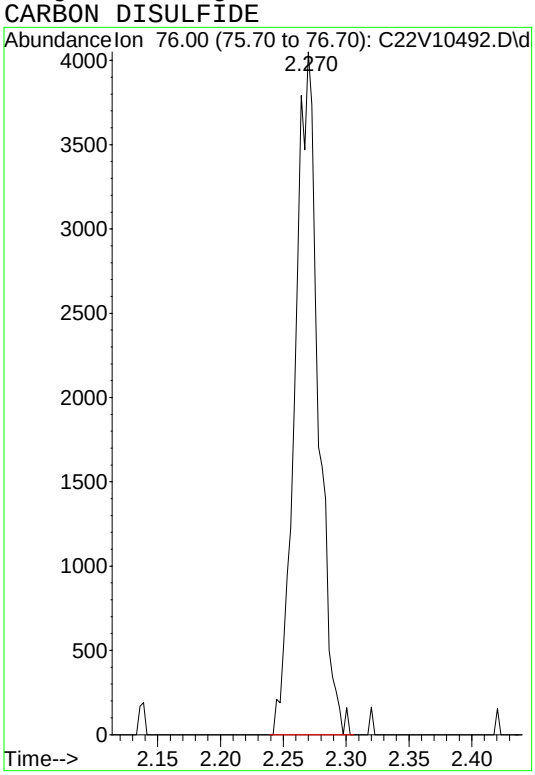
Mon Apr 17 09:57:25 2023

MIuser: MFF
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
METHYL ACETATE




Original Integration
CARBON DISULFIDE




Original Int. Results
---

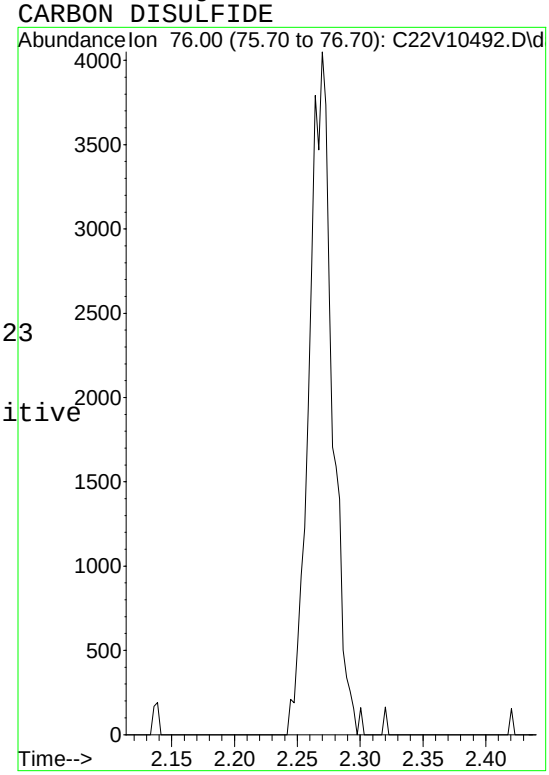
RT : 2.27
Area : 5285
Amount: 0.574326

Manual Int. Results
---

Mon Apr 17 09:57:31 2023

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

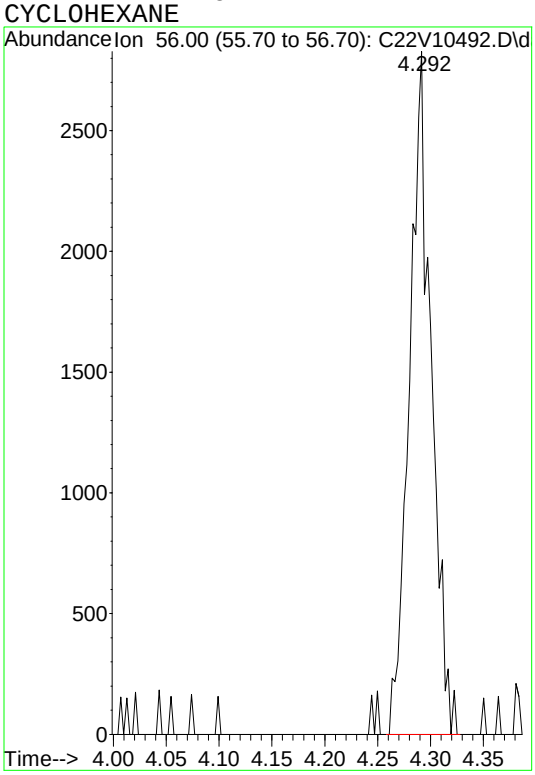
Manual Integration
CARBON DISULFIDE



Data Path : C:\msdchem\1\data\C041423\
Data File : C22V10492.D
Acq On : 16 Apr 2023 3:08 am
Operator :
Sample : B0-BLK1
Misc :

Quant Time : Mon Apr 17 09:57:44 2023
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Thu Dec 08 06:26:11 2022

Original Integration
CYCLOHEXANE




Original Int. Results
---

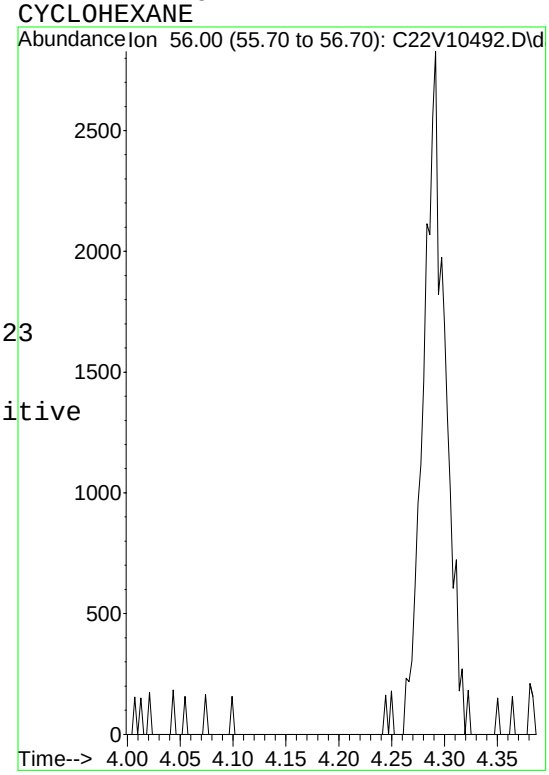
RT : 4.29
Area : 4056
Amount: 0.778482

Manual Int. Results
---

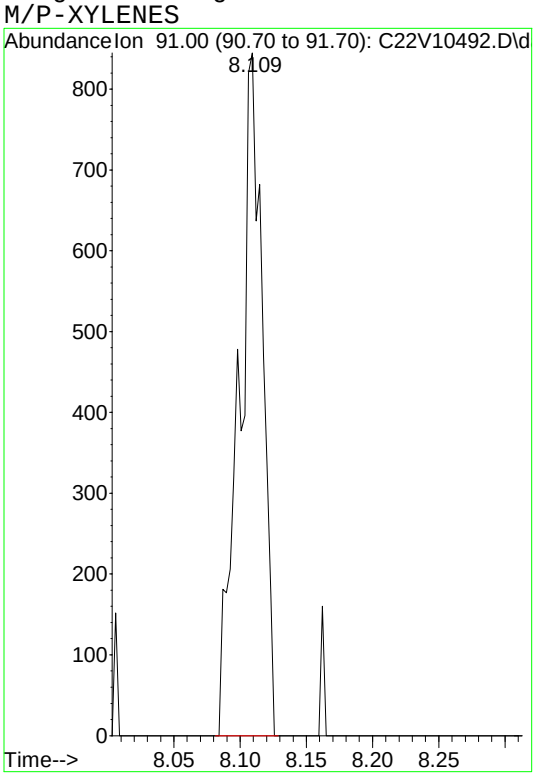
Mon Apr 17 09:57:34 2023

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

Manual Integration
CYCLOHEXANE




Original Integration
M/P-XYLENES




Original Int. Results
---

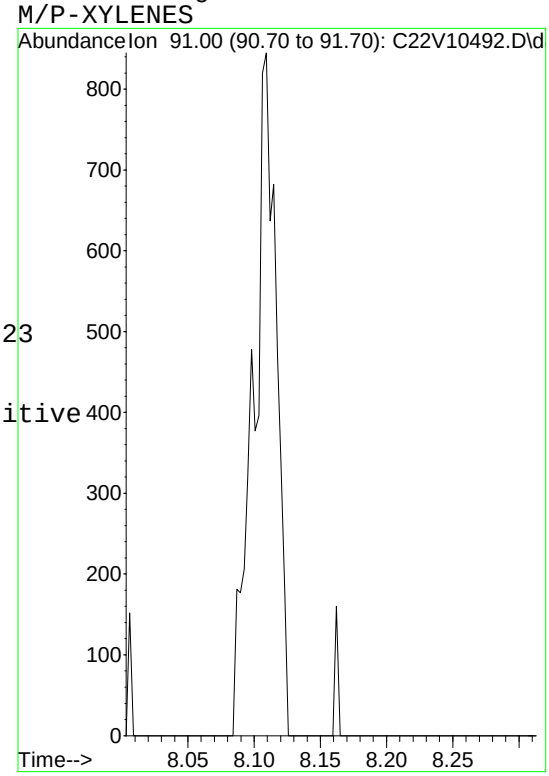
RT : 8.11
Area : 1021
Amount: 0.0923795

Manual Int. Results
---

Mon Apr 17 09:57:39 2023

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

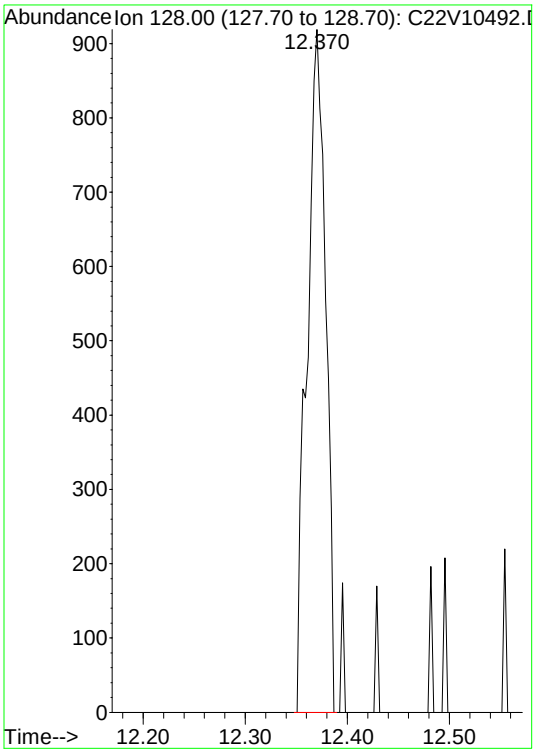
Manual Integration
M/P-XYLENES



Data Path : C:\msdchem\1\data\C041423\
Data File : C22V10492.D
Acq On : 16 Apr 2023 3:08 am
Operator :
Sample : B0-BLK1
Misc :

Quant Time : Mon Apr 17 09:57:44 2023
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Thu Dec 08 06:26:11 2022

Original Integration
NAPHTHALENE




Original Int. Results
---

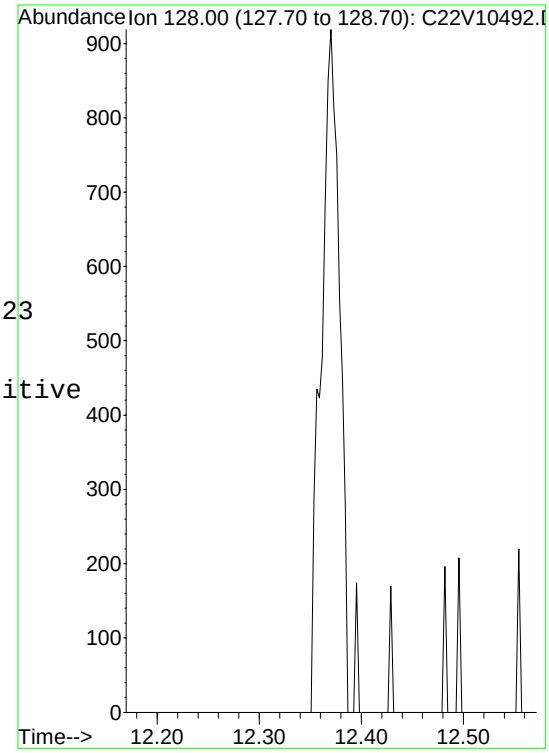
RT : 12.37
Area : 1158
Amount: 0.106307

Manual Int. Results
---

Mon Apr 17 09:57:43 2023

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

Manual Integration
NAPHTHALENE



LSC Area Percent Report



Data Path : C:\msdchem\1\data\C041423\
Data File : C22V10492.D
Acq On : 16 Apr 2023 3:08 am
Operator :
Sample : B0-BLK1
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration Parameters: 8260B.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 500 Area counts
Start Thrs: 0.2 Max Peaks: 9
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\methods\C080822.M
Title : 8260 WATER 5MLS VOAMS 5973 #3

Signal : TIC: C22V10492.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.023 | 24 | 32 | 57 | rBV | 580819 | 606583 | 64.00% | 10.869% |
| 2 | 1.291 | 124 | 128 | 137 | rVB3 | 5332 | 5086 | 0.54% | 0.091% |
| 3 | 4.292 | 1190 | 1204 | 1228 | rVB2 | 353444 | 588567 | 62.10% | 10.546% |
| 4 | 4.565 | 1290 | 1302 | 1320 | rBV2 | 175321 | 285147 | 30.08% | 5.109% |
| 5 | 5.011 | 1446 | 1462 | 1482 | rBV2 | 499791 | 769967 | 81.24% | 13.796% |
| 6 | 6.444 | 1964 | 1976 | 2005 | rBV2 | 574063 | 869488 | 91.74% | 15.580% |
| 7 | 7.841 | 2463 | 2477 | 2502 | rBV | 620224 | 926659 | 97.77% | 16.604% |
| 8 | 9.002 | 2880 | 2893 | 2916 | rBV | 396609 | 581646 | 61.37% | 10.422% |
| 9 | 10.139 | 3288 | 3301 | 3332 | rVV2 | 565474 | 947818 | 100.00% | 16.983% |

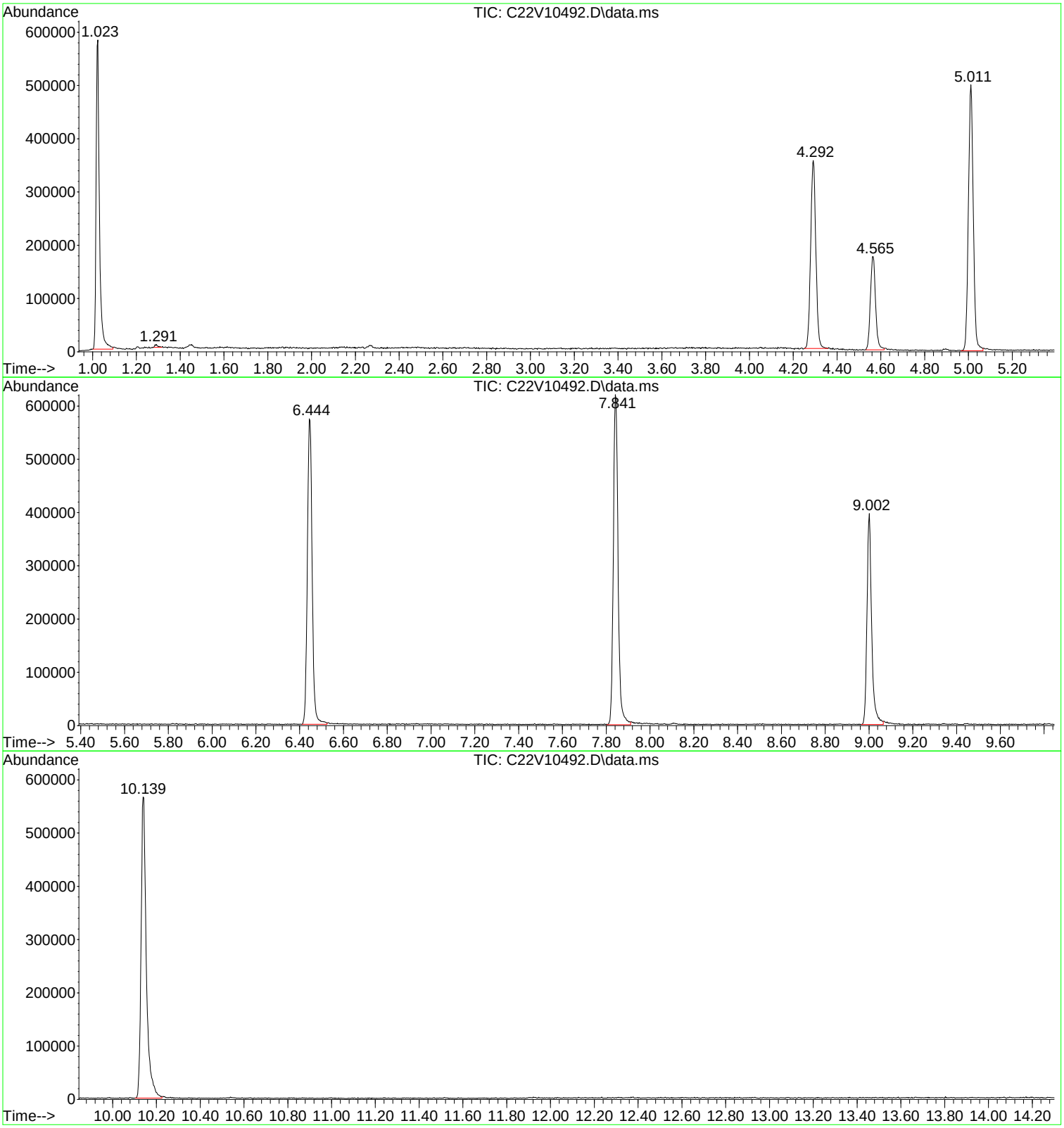
Sum of corrected areas: 5580961

Data Path : C:\msdchem\1\data\C041423\
Data File : C22V10492.D
Acq On : 16 Apr 2023 3:08 am
Operator :
Sample : B0-BLK1
Misc :
ALS Vial : 12 Sample Multiplier: 1



Quant Method : C:\msdchem\1\methods\C080822.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3

TIC Library : F:\CTAL-Laboratory\Management\DJD\Database\NIST08.L
TIC Integration Parameters: 8260B.P



Data Path : C:\msdchem\1\data\C041423\
Data File : C22V10492.D
Acq On : 16 Apr 2023 3:08 am
Operator :
Sample : B0-BLK1
Misc :
ALS Vial : 12 Sample Multiplier: 1



Quant Method : C:\msdchem\1\methods\C080822.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3

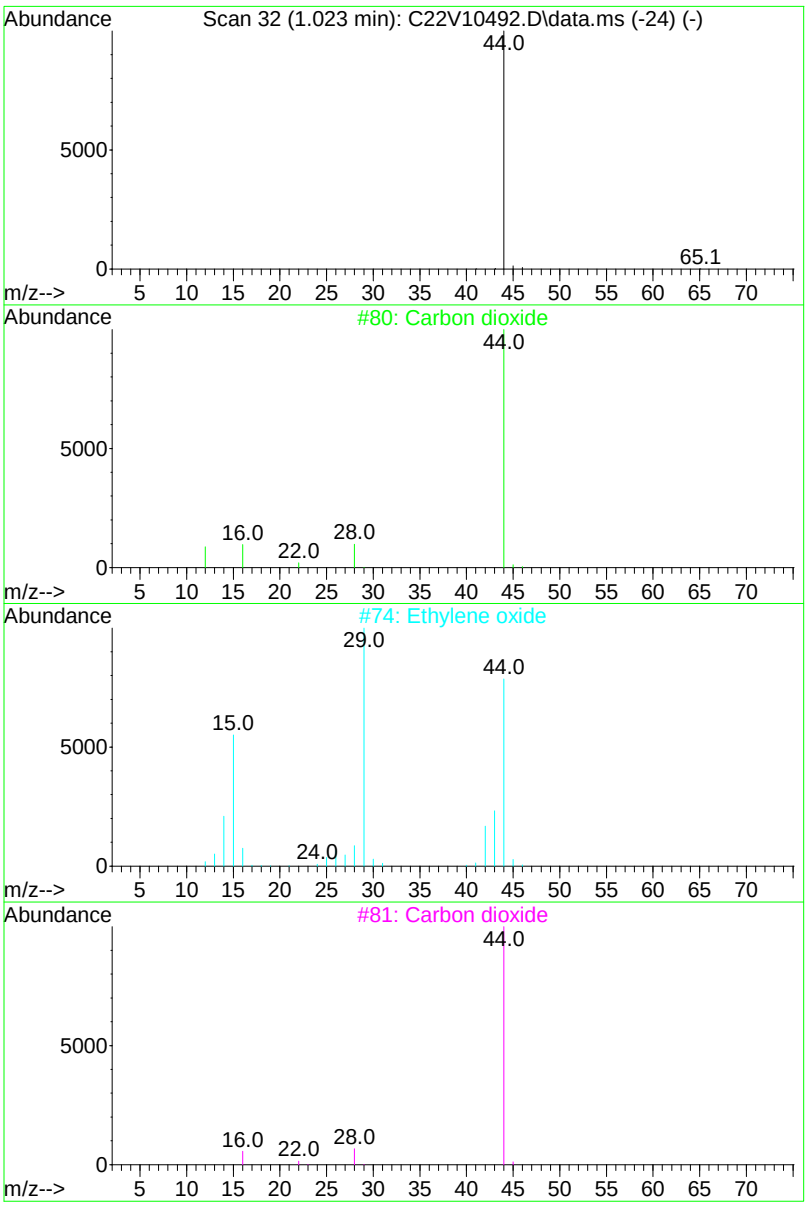
TIC Library : F:\CTAL-Laboratory\Management\DJD\Database\NIST08.L
TIC Integration Parameters: 8260B.P

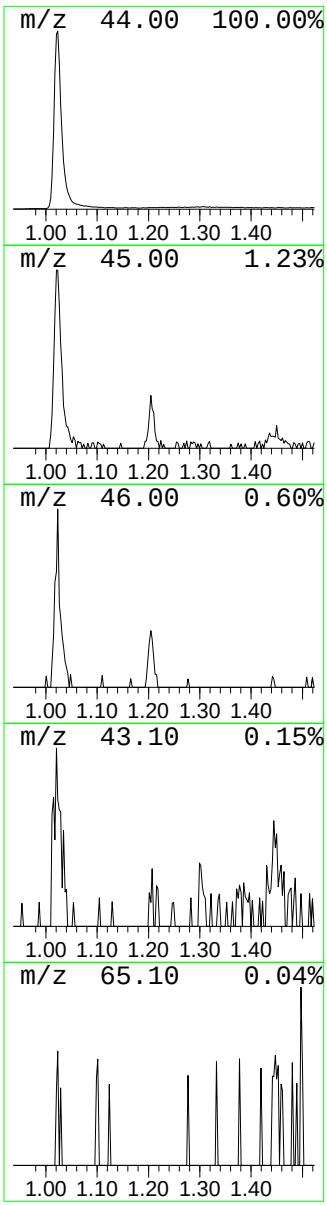
**********

Peak Number 1 Carbon dioxide Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 1.023 | 30.92 UG/L | 606583 | PENTAFLUOROBENZENE - ISTD | 4.292 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Carbon dioxide | 44 | CO2 | 000124-38-9 | 4 |
| 2 | Ethylene oxide | 44 | C2H4O | 000075-21-8 | 3 |
| 3 | Carbon dioxide | 44 | CO2 | 000124-38-9 | 3 |
| 4 | Ethylene oxide | 44 | C2H4O | 000075-21-8 | 3 |
| 5 | Nitrous Oxide | 44 | N2O | 010024-97-2 | 3 |



Tentatively Identified Compound (LSC) summary



Data Path : C:\msdchem\1\data\C041423\
Data File : C22V10492.D
Acq On : 16 Apr 2023 3:08 am
Operator :
Sample : B0-BLK1
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\C080822.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3

TIC Library : F:\CTAL-Laboratory\Management\DJD\Database\NIST08.L
TIC Integration Parameters: 8260B.P

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| Carbon dioxide | 1.023 | 30.9 | UG/L | 606583 | 1 | 4.292 | 588567 | 30.0 |

# 1 - FORM I
# ANALYSIS DATA SHEET

## LCS

| | | | | | |
|---|---|---|---|---|---|
| Laboratory: | Pace New England | | | Work Order: | 23D0848 |
| Client: | NYDEC_GES - Amherst, NY | | Project: | 275 Franklin St, Buffalo, NY - CO 144192 | |
| Matrix: | Water | Laboratory ID: | B337044-BS1 | File ID: | C22V10488.D |
| Sampled: | | Prepared: | 04/13/23 07:13 | Analyzed: | 04/16/23 01:21 |
| Solids: | | Preparation: | SW-846 5030B | Dilution: | |
| Batch: | B337044 | Sequence: | S086046 | Calibration: | 2200537 |
| Column: | 1 | | | | |

Instrument: GCMSVOA3

| CAS NO. | COMPOUND | CONC. (µg/L) | MDL | RL | Q |
|---|---|---|---|---|---|
| 67-64-1 | Acetone | 90.5 | 2.0 | 50 | |
| 71-43-2 | Benzene | 10.7 | 0.18 | 1.0 | |
| 74-97-5 | Bromochloromethane | 10.7 | 0.28 | 1.0 | |
| 75-27-4 | Bromodichloromethane | 9.63 | 0.16 | 0.50 | |
| 75-25-2 | Bromoform | 8.28 | 0.41 | 1.0 | |
| 74-83-9 | Bromomethane | 11.2 | 1.3 | 2.0 | |
| 78-93-3 | 2-Butanone (MEK) | 102 | 1.7 | 20 | |
| 75-65-0 | tert-Butyl Alcohol (TBA) | 76.5 | 4.3 | 20 | |
| 75-15-0 | Carbon Disulfide | 93.4 | 1.6 | 5.0 | |
| 56-23-5 | Carbon Tetrachloride | 9.31 | 0.16 | 5.0 | |
| 108-90-7 | Chlorobenzene | 9.75 | 0.12 | 1.0 | |
| 124-48-1 | Chlorodibromomethane | 8.73 | 0.20 | 0.50 | |
| 75-00-3 | Chloroethane | 9.39 | 0.34 | 2.0 | |
| 67-66-3 | Chloroform | 9.63 | 0.14 | 2.0 | |
| 74-87-3 | Chloromethane | 9.53 | 0.50 | 2.0 | |
| 110-82-7 | Cyclohexane | 10.5 | 1.8 | 5.0 | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane (DBCP) | 8.36 | 0.85 | 5.0 | |
| 106-93-4 | 1,2-Dibromoethane (EDB) | 9.80 | 0.16 | 0.50 | |
| 95-50-1 | 1,2-Dichlorobenzene | 9.98 | 0.13 | 1.0 | |
| 541-73-1 | 1,3-Dichlorobenzene | 9.79 | 0.14 | 1.0 | |
| 106-46-7 | 1,4-Dichlorobenzene | 9.27 | 0.13 | 1.0 | |
| 75-71-8 | Dichlorodifluoromethane (Freon 12) | 11.1 | 0.16 | 2.0 | |
| 75-34-3 | 1,1-Dichloroethane | 9.61 | 0.14 | 1.0 | |
| 107-06-2 | 1,2-Dichloroethane | 9.69 | 0.30 | 1.0 | |
| 75-35-4 | 1,1-Dichloroethylene | 9.23 | 0.14 | 1.0 | |
| 156-59-2 | cis-1,2-Dichloroethylene | 9.21 | 0.14 | 1.0 | |
| 156-60-5 | trans-1,2-Dichloroethylene | 9.07 | 0.17 | 1.0 | |
| 78-87-5 | 1,2-Dichloropropane | 10.5 | 0.19 | 1.0 | |
| 10061-01-5 | cis-1,3-Dichloropropene | 9.18 | 0.16 | 0.50 | |
| 10061-02-6 | trans-1,3-Dichloropropene | 9.00 | 0.14 | 0.50 | |

# 1 - FORM I
# ANALYSIS DATA SHEET

## LCS

| | | | | | |
|---|---|---|---|---|---|
| Laboratory: | Pace New England | | | Work Order: | 23D0848 |
| Client: | NYDEC_GES - Amherst, NY | | Project: | 275 Franklin St, Buffalo, NY - CO 144192 | |
| Matrix: | Water | Laboratory ID: | B337044-BS1 | File ID: | C22V10488.D |
| Sampled: | | Prepared: | 04/13/23 07:13 | Analyzed: | 04/16/23 01:21 |
| Solids: | | Preparation: | SW-846 5030B | Dilution: | |
| Batch: | B337044 | Sequence: | S086046 | Calibration: | 2200537 |
| Column: | 1 | | | | |

Instrument: GCMSVOA3

| CAS NO. | COMPOUND | CONC. (µg/L) | MDL | RL | Q |
|---|---|---|---|---|---|
| 123-91-1 | 1,4-Dioxane | 93.4 | 18 | 50 | |
| 100-41-4 | Ethylbenzene | 10.1 | 0.22 | 1.0 | |
| 591-78-6 | 2-Hexanone (MBK) | 99.0 | 1.2 | 10 | |
| 98-82-8 | Isopropylbenzene (Cumene) | 9.88 | 0.15 | 1.0 | |
| 79-20-9 | Methyl Acetate | 8.12 | 0.61 | 1.0 | |
| 1634-04-4 | Methyl tert-Butyl Ether (MTBE) | 9.77 | 0.17 | 1.0 | |
| 108-87-2 | Methyl Cyclohexane | 10.7 | 0.16 | 1.0 | |
| 75-09-2 | Methylene Chloride | 9.28 | 0.18 | 5.0 | |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | 96.2 | 1.3 | 10 | |
| 100-42-5 | Styrene | 10.1 | 0.15 | 1.0 | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 8.88 | 0.14 | 0.50 | |
| 127-18-4 | Tetrachloroethylene | 9.74 | 0.17 | 1.0 | |
| 108-88-3 | Toluene | 10.1 | 0.22 | 1.0 | |
| 87-61-6 | 1,2,3-Trichlorobenzene | 8.65 | 0.34 | 5.0 | |
| 120-82-1 | 1,2,4-Trichlorobenzene | 9.26 | 0.30 | 1.0 | |
| 71-55-6 | 1,1,1-Trichloroethane | 9.44 | 0.15 | 1.0 | |
| 79-00-5 | 1,1,2-Trichloroethane | 9.97 | 0.19 | 1.0 | |
| 79-01-6 | Trichloroethylene | 10.5 | 0.17 | 1.0 | |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | 9.32 | 0.15 | 2.0 | |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1 | 9.59 | 0.21 | 1.0 | |
| 526-73-8 | 1,2,3-Trimethylbenzene | 10.6 | 0.23 | 0.50 | |
| 95-63-6 | 1,2,4-Trimethylbenzene | 9.79 | 0.20 | 1.0 | |
| 108-67-8 | 1,3,5-Trimethylbenzene | 9.77 | 0.15 | 1.0 | |
| 75-01-4 | Vinyl Chloride | 11.3 | 0.24 | 2.0 | |
| 108383/106423 | m+p Xylene | 19.8 | 0.49 | 2.0 | |
| 95-47-6 | o-Xylene | 9.95 | 0.24 | 1.0 | |
| 1330-20-7 | Xylenes (total) | 29.7 | 1.0 | 1.0 | |

Data Path : C:\msdchem\1\data\C041423\
Data File : C22V10488.D
Acq On : 16 Apr 2023 1:21 am
Operator :
Sample : B0-BS1 Inst : GCMSVOA3
Misc :
ALS Vial : 8 Sample Multiplier: 1



Quant Time: Apr 17 09:54:10 2023
Quant Method : C:\msdchem\1\methods\C080822.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
QLast Update : Thu Dec 08 06:26:11 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) PENTAFLUOROBENZENE - ISTD | 4.291 | 168 | 225506 | 30.00 | UG/L | | -0.02 |
| 48) 1,4-DIFLUOROBENZENE - ... | 5.008 | 114 | 350258 | 30.00 | UG/L | | -0.01 |
| 70) CHLOROBENZENE-D5 ISTD | 7.844 | 82 | 176716 | 30.00 | UG/L | | 0.00 |
| 89) 1,4-DICHLOROBENZENE-D4... | 10.139 | 152 | 174540 | 30.00 | UG/L | # | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 2) 1,2-DICHLOROETHANE-D4 SS | 4.562 | 65 | 103186 | 24.38 | UG/L | | -0.02 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 97.52% | | | | |
| 49) TOLUENE SS | 6.447 | 98 | 345250 | 24.89 | UG/L | | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 99.56% | | | | |
| 71) 4-BROMOFLUOROBENZENE SS | 8.999 | 95 | 122324 | 23.35 | UG/L | | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 93.40% | | | | |
| Target Compounds | | | | | | | Qvalue |
| 3) DICHLORODIFLUOROMETHANE | 1.124 | 85 | 36228 | 11.10 | UG/L | | 98 |
| 4) DIFLUOROCHLOROMETHANE | 1.129 | 51 | 51797 | 12.05 | UG/L | # | 100 |
| 5) CHLOROMETHANE | 1.238 | 50 | 50804m | 9.53 | UG/L | | |
| 6) VINYL CHLORIDE | 1.305 | 62 | 44420 | 11.32 | UG/L | | 99 |
| 7) BROMOMETHANE | 1.500 | 94 | 25890 | 11.18 | UG/L | | 99 |
| 8) CHLOROETHANE | 1.570 | 64 | 25417 | 9.39 | UG/L | | 100 |
| 9) FLUORODICHLOROMETHANE | 1.692 | 67 | 63210 | 10.01 | UG/L | | 100 |
| 10) TRICHLOROFLUOROMETHANE | 1.737 | 101 | 44785 | 9.32 | UG/L | | 97 |
| 11) ETHANOL | 1.860 | 45 | 6513 | 83.58 | UG/L | # | 81 |
| 12) DI ETHYL ETHER | 1.932 | 59 | 29371 | 10.52 | UG/L | | 98 |
| 13) ACROLEIN | 2.021 | 56 | 74437 | 108.26 | UG/L | | 100 |
| 14) ACETONE | 2.139 | 43 | 123856 | 90.49 | UG/L | | 94 |
| 15) 1,1-DICHLOROETHENE | 2.097 | 61 | 45104 | 9.23 | UG/L | | 98 |
| 16) 1,1,2-TRICL-1,2,2-TRIF... | 2.097 | 101 | 27223 | 9.59 | UG/L | | 86 |
| 17) IODOMETHANE | 2.214 | 142 | 423733 | 104.00 | UG/L | | 99 |
| 20) METHYL ACETATE | 2.398 | 43 | 43261 | 8.12 | UG/L | | 98 |
| 21) T-BUTYL ALCOHOL | 2.599 | 59 | 41305 | 76.50 | UG/L | # | 99 |
| 22) ACRYLONITRILE | 2.705 | 53 | 16239 | 9.56 | UG/L | | 100 |
| 23) METHYLENE CHLORIDE | 2.479 | 49 | 44823 | 9.28 | UG/L | | 98 |
| 24) CARBON DISULFIDE | 2.267 | 76 | 877604 | 93.36 | UG/L | | 100 |
| 25) METHYL TERT-BUTYL ETHE... | 2.738 | 73 | 103761 | 9.77 | UG/L | | 98 |
| 26) TRANS 1,2-DICHLOROETHENE | 2.724 | 61 | 42147 | 9.07 | UG/L | | 97 |
| 27) 1,1-DICHLOROETHANE | 3.145 | 63 | 56910 | 9.61 | UG/L | | 95 |
| 28) VINYL ACETATE | 3.215 | 43 | 805376 | 81.63 | UG/L | | 100 |
| 29) DI ISOPROYL ETHER | 3.243 | 45 | 127851 | 10.91 | UG/L | | 99 |
| 31) 2-BUTANONE | 3.784 | 43 | 202645 | 102.35 | UG/L | | 98 |
| 32) T-BUTYL ETHYL ETHER | 3.619 | 59 | 112649 | 10.83 | UG/L | | 99 |
| 33) CIS-1,2-DICHLOROETHENE | 3.739 | 61 | 47516 | 9.21 | UG/L | | 98 |
| 34) 2,2-DICHLOROPROPANE | 3.739 | 77 | 28583 | 6.25 | UG/L | | 94 |
| 35) ETHYL ACETATE | 3.854 | 43 | 43628 | 8.92 | UG/L | | 99 |
| 38) BROMOCHLOROMETHANE | 3.976 | 49 | 30388 | 10.66 | UG/L | | 97 |
| 39) TETRAHYDROFURAN | 4.057 | 42 | 15270 | 10.83 | UG/L | | 99 |
| 40) CHLOROFORM | 4.066 | 83 | 54965 | 9.63 | UG/L | | 95 |
| 41) 1,1,1-TRICHLOROETHANE | 4.244 | 97 | 44846 | 9.44 | UG/L | | 98 |
| 42) CYCLOHEXANE | 4.294 | 56 | 55868 | 10.50 | UG/L | | 95 |
| 43) CARBON TETRACHLORIDE | 4.406 | 117 | 36954 | 9.31 | UG/L | | 96 |
| 44) 1,1-DICHLOROPROPENE | 4.409 | 75 | 41735 | 10.14 | UG/L | | 96 |
| 45) BENZENE | 4.612 | 78 | 133653 | 10.66 | UG/L | | 99 |
| 47) T-AMYLMETHYL ETHER | 4.760 | 73 | 110183 | 11.17 | UG/L | | 98 |
| 50) 1,2-DICHLOROETHANE | 4.637 | 62 | 48393 | 9.69 | UG/L | | 99 |
| 51) TRICHLOROETHENE | 5.256 | 95 | 34042 | 10.53 | UG/L | | 92 |
| 52) METHYLCYCLOHEXANE | 5.438 | 83 | 41410 | 10.72 | UG/L | | 97 |
| 53) 1,2-DICHLOROPROPANE | 5.477 | 63 | 37462 | 10.47 | UG/L | | 99 |

Data Path : C:\msdchem\1\data\C041423\
Data File : C22V10488.D
Acq On : 16 Apr 2023 1:21 am
Operator :
Sample : B0-BS1 Inst : GCMSVOA3
Misc :
ALS Vial : 8 Sample Multiplier: 1



Quant Time: Apr 17 09:54:10 2023
Quant Method : C:\msdchem\1\methods\C080822.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
QLast Update : Thu Dec 08 06:26:11 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 54) DIBROMOMETHANE | 5.583 | 93 | 21913 | 9.40 | UG/L | | 97 |
| 56) 1,4-DIOXANE | 5.644 | 88 | 5162m | 93.44 | UG/L | | |
| 57) BROMODICHLOROMETHANE | 5.750 | 83 | 44285 | 9.63 | UG/L | | 97 |
| 58) 2-CHLOROETHYLVINYLETHER | 6.065 | 63 | 108721 | 57.09 | UG/L | | 93 |
| 59) MIBK | 6.366 | 43 | 461692 | 96.17 | UG/L | | 98 |
| 60) CIS-1,3-DICHLOROPROPENE | 6.191 | 75 | 50763 | 9.18 | UG/L | | 98 |
| 61) TOLUENE | 6.511 | 91 | 140819 | 10.09 | UG/L | | 99 |
| 62) TRANS-1,3,-DICHLOROPRO... | 6.737 | 75 | 42894 | 9.00 | UG/L | | 95 |
| 64) 1,1,2-TRICHLOROETHANE | 6.910 | 97 | 32561 | 9.97 | UG/L | | 96 |
| 65) 2-HEXANONE | 7.180 | 43 | 328616 | 98.99 | UG/L | | 94 |
| 66) TETRACHLOROETHENE | 7.035 | 166 | 31926 | 9.74 | UG/L | | 97 |
| 67) 1,3-DICHLOROPROPANE | 7.069 | 76 | 58361 | 10.05 | UG/L | | 99 |
| 68) DIBROMOCHLOROMETHANE | 7.284 | 129 | 34283 | 8.73 | UG/L | | 98 |
| 69) 1,2-DIBROMOETHANE | 7.384 | 107 | 34230 | 9.80 | UG/L | | 98 |
| 72) CHLOROBENZENE | 7.869 | 112 | 90496 | 9.75 | UG/L | | 93 |
| 73) 1,1,1,2-TETRACHLOROETHANE | 7.956 | 131 | 33246 | 9.66 | UG/L | | 98 |
| 74) ETHYLBENZENE | 7.989 | 91 | 151419 | 10.08 | UG/L | | 96 |
| 75) M/P-XYLENES | 8.106 | 91 | 231891 | 19.78 | UG/L | | 96 |
| 76) 0-XYLENE | 8.491 | 91 | 122749 | 9.95 | UG/L | | 94 |
| 77) STYRENE | 8.505 | 104 | 99763 | 10.06 | UG/L | | 95 |
| 78) BROMOFORM | 8.672 | 173 | 25524 | 8.28 | UG/L | | 98 |
| 79) ISOPROPYLBENZENE | 8.859 | 105 | 139348 | 9.88 | UG/L | | 97 |
| 81) 1,1,2,2-TETRACHLOROETHANE | 9.158 | 83 | 48022 | 8.88 | UG/L | | 97 |
| 82) 1,4-DICHLORO-2-BUTENE(... | 9.216 | 53 | 10904 | 7.72 | UG/L | | 91 |
| 83) BROMOBENZENE | 9.135 | 77 | 61701 | 10.02 | UG/L | | 91 |
| 84) 1,2,3-TRICHLOROPROPANE | 9.194 | 75 | 49221 | 11.10 | UG/L | # | 85 |
| 85) N-PROPYLBENZENE | 9.264 | 91 | 155037 | 9.83 | UG/L | | 96 |
| 86) 2-CHLOROT0LUENE | 9.336 | 91 | 100944 | 9.81 | UG/L | | 97 |
| 87) 1,3,5-TRIMETHYLBENZENE | 9.448 | 105 | 112954 | 9.77 | UG/L | | 99 |
| 88) 4-CHLOROTOLUENE | 9.445 | 91 | 112766 | 9.64 | UG/L | | 97 |
| 90) TERT-BUTYLBENZENE | 9.763 | 119 | 93586 | 10.01 | UG/L | | 100 |
| 91) 1,2,4-TRIMETHYLBENZENE | 9.810 | 105 | 112490 | 9.79 | UG/L | | 96 |
| 92) SEC-BUTYLBENZENE | 9.983 | 105 | 122920 | 9.86 | UG/L | | 97 |
| 93) 1,3-DICHLOROBENZENE | 10.075 | 146 | 67967 | 9.79 | UG/L | | 99 |
| 94) P-ISOPROPYLTOLUENE | 10.131 | 119 | 107259 | 10.01 | UG/L | | 98 |
| 95) 1,4-DICHLOROBENZENE | 10.164 | 146 | 68502 | 9.27 | UG/L | | 96 |
| 96) 1,2,3-TRIMETHYLBENZENE | 10.226 | 105 | 134451 | 10.56 | UG/L | # | 100 |
| 97) N-BUTYLBENZENE | 10.538 | 91 | 89198 | 9.89 | UG/L | | 97 |
| 98) 1,2-DICHLOROBENZENE | 10.527 | 146 | 70444 | 9.98 | UG/L | | 99 |
| 99) 1,2-DIBROMO-3-CHLOROPR... | 11.299 | 75 | 8025 | 8.36 | UG/L | # | 83 |
| 100) 1,3,5-TRICHLOROBENZENE | 11.517 | 180 | 44765 | 10.38 | UG/L | | 97 |
| 101) 1,2,4-TRICHLOROBENZENE | 12.122 | 180 | 36593 | 9.26 | UG/L | | 100 |
| 102) HEXACHLOROBUTADIENE | 12.306 | 225 | 16437 | 9.90 | UG/L | | 99 |
| 103) NAPHTHALENE | 12.367 | 128 | 94982 | 8.02 | UG/L | # | 95 |
| 104) 1,2,3-TRICHLOROBENZENE | 12.607 | 180 | 33392 | 8.65 | UG/L | | 99 |

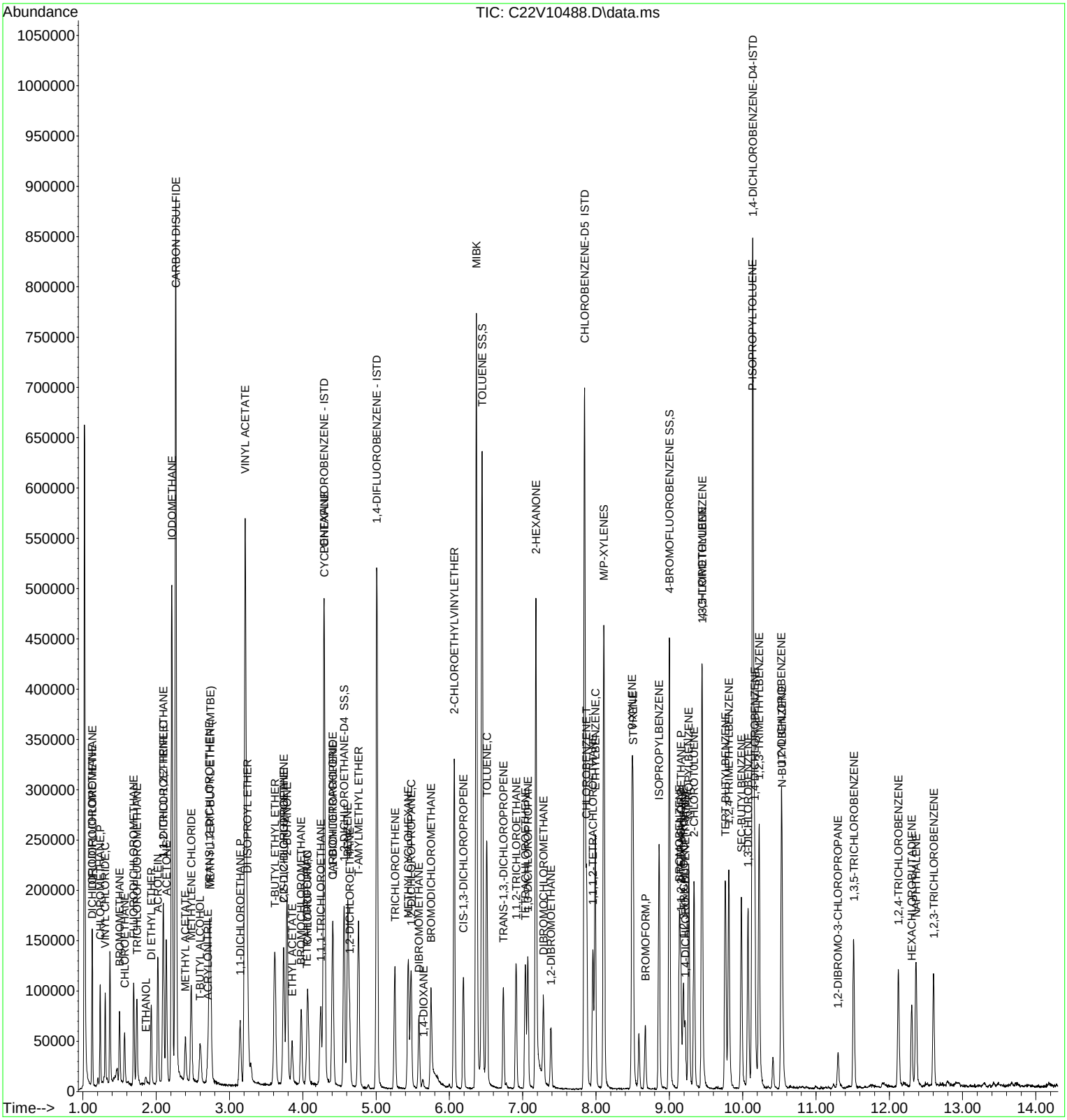
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\C041423\
Data File : C22V10488.D
Acq On : 16 Apr 2023 1:21 am
Operator :
Sample : B0-BS1 Inst : GCMSVOA3
Misc :
ALS Vial : 8 Sample Multiplier: 1



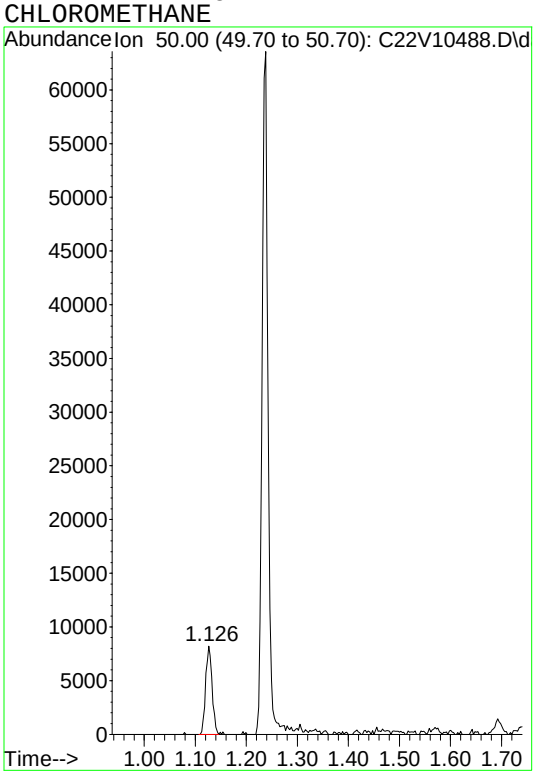
Quant Time: Apr 17 09:54:10 2023
Quant Method : C:\msdchem\1\methods\C080822.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
QLast Update : Thu Dec 08 06:26:11 2022
Response via : Initial Calibration



Data Path : C:\msdchem\1\data\C041423\
Data File : C22V10488.D
Acq On : 16 Apr 2023 1:21 am
Operator :
Sample : B0-BS1
Misc :

Quant Time : Mon Apr 17 09:54:10 2023
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Thu Dec 08 06:26:11 2022

Original Integration
CHLOROMETHANE




Original Int. Results
---

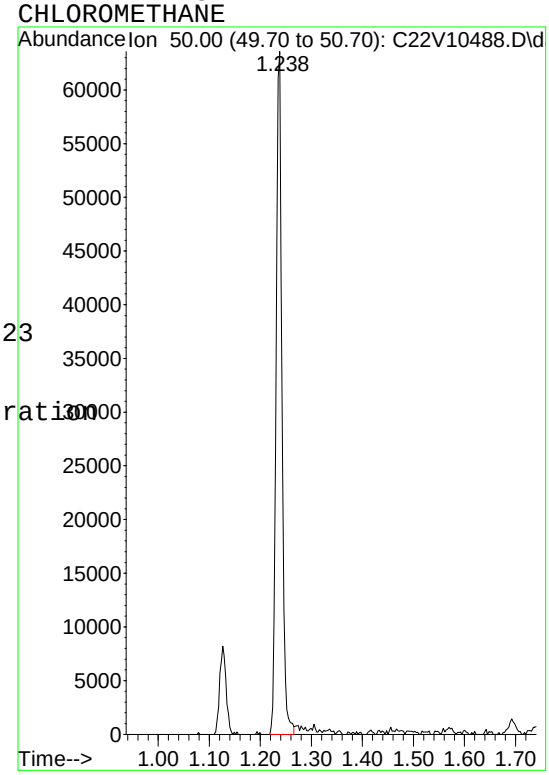
RT : 1.13
Area : 7236
Amount: 1.3567

Manual Int. Results
---

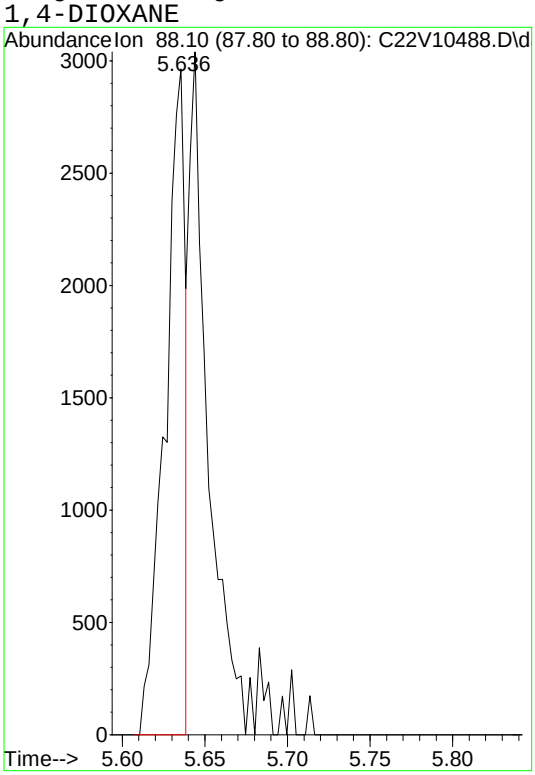
Mon Apr 17 09:53:43 2023

MIuser: MFF
Reason: Incorret Integration
RT : 1.24
Area : 50804
Amount: 9.52542

Manual Integration
CHLOROMETHANE




Original Integration
1,4-DIOXANE




Original Int. Results
---

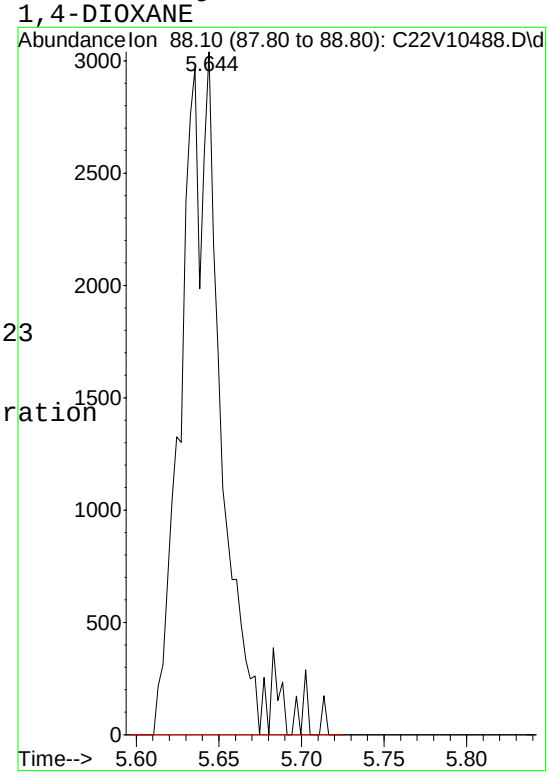
RT : 5.64
Area : 2502
Amount: 45.2911

Manual Int. Results
---

Mon Apr 17 09:54:10 2023

MIuser: MFF
Reason: Incorret Integration
RT : 5.64
Area : 5162
Amount: 93.4424

Manual Integration
1,4-DIOXANE



# 1 - FORM I
# ANALYSIS DATA SHEET

## LCS Dup

| | | | | | |
|---|---|---|---|---|---|
| Laboratory: | Pace New England | | | Work Order: | 23D0848 |
| Client: | NYDEC_GES - Amherst, NY | | Project: | 275 Franklin St, Buffalo, NY - CO 144192 | |
| Matrix: | Water | Laboratory ID: | B337044-BSD1 | File ID: | C22V10489.D |
| Sampled: | | Prepared: | 04/13/23 07:13 | Analyzed: | 04/16/23 01:48 |
| Solids: | | Preparation: | SW-846 5030B | Dilution: | |
| Batch: | B337044 | Sequence: | S086046 | Calibration: | 2200537 |
| Column: | 1 | | | | |

Instrument: GCMSVOA3

| CAS NO. | COMPOUND | CONC. (µg/L) | MDL | RL | Q |
|---|---|---|---|---|---|
| 67-64-1 | Acetone | 93.9 | 2.0 | 50 | |
| 71-43-2 | Benzene | 10.4 | 0.18 | 1.0 | |
| 74-97-5 | Bromochloromethane | 10.4 | 0.28 | 1.0 | |
| 75-27-4 | Bromodichloromethane | 9.14 | 0.16 | 0.50 | |
| 75-25-2 | Bromoform | 8.11 | 0.41 | 1.0 | |
| 74-83-9 | Bromomethane | 10.6 | 1.3 | 2.0 | |
| 78-93-3 | 2-Butanone (MEK) | 105 | 1.7 | 20 | |
| 75-65-0 | tert-Butyl Alcohol (TBA) | 77.1 | 4.3 | 20 | |
| 75-15-0 | Carbon Disulfide | 91.2 | 1.6 | 5.0 | |
| 56-23-5 | Carbon Tetrachloride | 8.71 | 0.16 | 5.0 | |
| 108-90-7 | Chlorobenzene | 9.39 | 0.12 | 1.0 | |
| 124-48-1 | Chlorodibromomethane | 8.42 | 0.20 | 0.50 | |
| 75-00-3 | Chloroethane | 8.98 | 0.34 | 2.0 | |
| 67-66-3 | Chloroform | 9.43 | 0.14 | 2.0 | |
| 74-87-3 | Chloromethane | 9.23 | 0.50 | 2.0 | |
| 110-82-7 | Cyclohexane | 9.81 | 1.8 | 5.0 | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane (DBCP) | 8.28 | 0.85 | 5.0 | |
| 106-93-4 | 1,2-Dibromoethane (EDB) | 9.79 | 0.16 | 0.50 | |
| 95-50-1 | 1,2-Dichlorobenzene | 9.46 | 0.13 | 1.0 | |
| 541-73-1 | 1,3-Dichlorobenzene | 9.68 | 0.14 | 1.0 | |
| 106-46-7 | 1,4-Dichlorobenzene | 9.09 | 0.13 | 1.0 | |
| 75-71-8 | Dichlorodifluoromethane (Freon 12) | 10.6 | 0.16 | 2.0 | |
| 75-34-3 | 1,1-Dichloroethane | 9.25 | 0.14 | 1.0 | |
| 107-06-2 | 1,2-Dichloroethane | 9.32 | 0.30 | 1.0 | |
| 75-35-4 | 1,1-Dichloroethylene | 8.76 | 0.14 | 1.0 | |
| 156-59-2 | cis-1,2-Dichloroethylene | 8.98 | 0.14 | 1.0 | |
| 156-60-5 | trans-1,2-Dichloroethylene | 8.99 | 0.17 | 1.0 | |
| 78-87-5 | 1,2-Dichloropropane | 10.2 | 0.19 | 1.0 | |
| 10061-01-5 | cis-1,3-Dichloropropene | 8.96 | 0.16 | 0.50 | |
| 10061-02-6 | trans-1,3-Dichloropropene | 8.96 | 0.14 | 0.50 | |

# 1 - FORM I
# ANALYSIS DATA SHEET

## LCS Dup

| | | | | | |
|---|---|---|---|---|---|
| Laboratory: | Pace New England | | | Work Order: | 23D0848 |
| Client: | NYDEC_GES - Amherst, NY | | Project: | 275 Franklin St, Buffalo, NY - CO 144192 | |
| Matrix: | Water | Laboratory ID: | B337044-BSD1 | File ID: | C22V10489.D |
| Sampled: | | Prepared: | 04/13/23 07:13 | Analyzed: | 04/16/23 01:48 |
| Solids: | | Preparation: | SW-846 5030B | Dilution: | |
| Batch: | B337044 | Sequence: | S086046 | Calibration: | 2200537 |
| Column: | 1 | | | | |

Instrument: GCMSVOA3

| CAS NO. | COMPOUND | CONC. (µg/L) | MDL | RL | Q |
|---|---|---|---|---|---|
| 123-91-1 | 1,4-Dioxane | 87.3 | 18 | 50 | |
| 100-41-4 | Ethylbenzene | 9.65 | 0.22 | 1.0 | |
| 591-78-6 | 2-Hexanone (MBK) | 98.6 | 1.2 | 10 | |
| 98-82-8 | Isopropylbenzene (Cumene) | 9.38 | 0.15 | 1.0 | |
| 79-20-9 | Methyl Acetate | 8.21 | 0.61 | 1.0 | |
| 1634-04-4 | Methyl tert-Butyl Ether (MTBE) | 9.72 | 0.17 | 1.0 | |
| 108-87-2 | Methyl Cyclohexane | 10.2 | 0.16 | 1.0 | |
| 75-09-2 | Methylene Chloride | 9.01 | 0.18 | 5.0 | |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | 97.0 | 1.3 | 10 | |
| 100-42-5 | Styrene | 9.51 | 0.15 | 1.0 | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 8.78 | 0.14 | 0.50 | |
| 127-18-4 | Tetrachloroethylene | 9.19 | 0.17 | 1.0 | |
| 108-88-3 | Toluene | 9.79 | 0.22 | 1.0 | |
| 87-61-6 | 1,2,3-Trichlorobenzene | 8.75 | 0.34 | 5.0 | |
| 120-82-1 | 1,2,4-Trichlorobenzene | 8.84 | 0.30 | 1.0 | |
| 71-55-6 | 1,1,1-Trichloroethane | 9.04 | 0.15 | 1.0 | |
| 79-00-5 | 1,1,2-Trichloroethane | 9.60 | 0.19 | 1.0 | |
| 79-01-6 | Trichloroethylene | 9.82 | 0.17 | 1.0 | |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | 8.83 | 0.15 | 2.0 | |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1 | 8.82 | 0.21 | 1.0 | |
| 526-73-8 | 1,2,3-Trimethylbenzene | 9.94 | 0.23 | 0.50 | |
| 95-63-6 | 1,2,4-Trimethylbenzene | 9.28 | 0.20 | 1.0 | |
| 108-67-8 | 1,3,5-Trimethylbenzene | 9.38 | 0.15 | 1.0 | |
| 75-01-4 | Vinyl Chloride | 10.5 | 0.24 | 2.0 | |
| 108383/106423 | m+p Xylene | 18.9 | 0.49 | 2.0 | |
| 95-47-6 | o-Xylene | 9.46 | 0.24 | 1.0 | |
| 1330-20-7 | Xylenes (total) | 28.4 | 1.0 | 1.0 | |

Data Path : C:\msdchem\1\data\C041423\
Data File : C22V10489.D
Acq On : 16 Apr 2023 1:48 am
Operator :
Sample : B0-BSD1 Inst : GCMSVOA3
Misc :
ALS Vial : 9 Sample Multiplier: 1



Quant Time: Apr 17 09:55:22 2023
Quant Method : C:\msdchem\1\methods\C080822.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
QLast Update : Thu Dec 08 06:26:11 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) PENTAFLUOROBENZENE - ISTD | 4.289 | 168 | 227334 | 30.00 | UG/L | | -0.02 |
| 48) 1,4-DIFLUOROBENZENE - ... | 5.011 | 114 | 357544 | 30.00 | UG/L | | -0.01 |
| 70) CHLOROBENZENE-D5 ISTD | 7.841 | 82 | 180059 | 30.00 | UG/L | | 0.00 |
| 89) 1,4-DICHLOROBENZENE-D4... | 10.142 | 152 | 178591 | 30.00 | UG/L | # | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 2) 1,2-DICHLOROETHANE-D4 SS | 4.565 | 65 | 104837 | 24.58 | UG/L | | -0.01 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 98.32% | | | | |
| 49) TOLUENE SS | 6.444 | 98 | 349938 | 24.71 | UG/L | | -0.01 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 98.84% | | | | |
| 71) 4-BROMOFLUOROBENZENE SS | 8.999 | 95 | 127150 | 23.82 | UG/L | | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 95.28% | | | | |
| Target Compounds | | | | | | | Qvalue |
| 3) DICHLORODIFLUOROMETHANE | 1.124 | 85 | 35011 | 10.64 | UG/L | | 100 |
| 4) DIFLUOROCHLOROMETHANE | 1.129 | 51 | 50000 | 11.53 | UG/L | # | 100 |
| 5) CHLOROMETHANE | 1.235 | 50 | 49612 | 9.23 | UG/L | # | 26 |
| 6) VINYL CHLORIDE | 1.305 | 62 | 41566 | 10.50 | UG/L | | 96 |
| 7) BROMOMETHANE | 1.500 | 94 | 24798 | 10.63 | UG/L | | 98 |
| 8) CHLOROETHANE | 1.570 | 64 | 24518 | 8.98 | UG/L | | 98 |
| 9) FLUORODICHLOROMETHANE | 1.692 | 67 | 62280 | 9.78 | UG/L | | 100 |
| 10) TRICHLOROFLUOROMETHANE | 1.734 | 101 | 42750 | 8.83 | UG/L | | 98 |
| 11) ETHANOL | 1.857 | 45 | 6591 | 83.90 | UG/L | | 94 |
| 12) DI ETHYL ETHER | 1.932 | 59 | 28260 | 10.04 | UG/L | | 98 |
| 13) ACROLEIN | 2.021 | 56 | 75057 | 108.29 | UG/L | | 98 |
| 14) ACETONE | 2.136 | 43 | 129606 | 93.93 | UG/L | | 95 |
| 15) 1,1-DICHLOROETHENE | 2.094 | 61 | 43154 | 8.76 | UG/L | | 99 |
| 16) 1,1,2-TRICL-1,2,2-TRIF... | 2.094 | 101 | 25245 | 8.82 | UG/L | | 90 |
| 17) IODOMETHANE | 2.211 | 142 | 416165 | 101.33 | UG/L | | 100 |
| 20) METHYL ACETATE | 2.401 | 43 | 44122 | 8.21 | UG/L | | 97 |
| 21) T-BUTYL ALCOHOL | 2.602 | 59 | 41947 | 77.06 | UG/L | # | 98 |
| 22) ACRYLONITRILE | 2.702 | 53 | 17090 | 9.98 | UG/L | | 97 |
| 23) METHYLENE CHLORIDE | 2.479 | 49 | 43881 | 9.01 | UG/L | | 96 |
| 24) CARBON DISULFIDE | 2.267 | 76 | 863908 | 91.17 | UG/L | | 99 |
| 25) METHYL TERT-BUTYL ETHE... | 2.738 | 73 | 104031 | 9.72 | UG/L | | 98 |
| 26) TRANS 1,2-DICHLOROETHENE | 2.721 | 61 | 42095 | 8.99 | UG/L | | 95 |
| 27) 1,1-DICHLOROETHANE | 3.145 | 63 | 55233 | 9.25 | UG/L | | 96 |
| 28) VINYL ACETATE | 3.215 | 43 | 814905 | 81.93 | UG/L | | 100 |
| 29) DI ISOPROYL ETHER | 3.240 | 45 | 124162 | 10.51 | UG/L | | 99 |
| 31) 2-BUTANONE | 3.784 | 43 | 209675 | 105.04 | UG/L | | 98 |
| 32) T-BUTYL ETHYL ETHER | 3.619 | 59 | 109157 | 10.41 | UG/L | | 99 |
| 33) CIS-1,2-DICHLOROETHENE | 3.739 | 61 | 46711 | 8.98 | UG/L | | 96 |
| 34) 2,2-DICHLOROPROPANE | 3.739 | 77 | 27576 | 5.98 | UG/L | | 95 |
| 35) ETHYL ACETATE | 3.856 | 43 | 45403 | 9.21 | UG/L | | 98 |
| 38) BROMOCHLOROMETHANE | 3.974 | 49 | 29861 | 10.39 | UG/L | | 99 |
| 39) TETRAHYDROFURAN | 4.057 | 42 | 15171 | 10.67 | UG/L | | 97 |
| 40) CHLOROFORM | 4.068 | 83 | 54272 | 9.43 | UG/L | | 95 |
| 41) 1,1,1-TRICHLOROETHANE | 4.244 | 97 | 43298 | 9.04 | UG/L | | 93 |
| 42) CYCLOHEXANE | 4.294 | 56 | 52624 | 9.81 | UG/L | | 93 |
| 43) CARBON TETRACHLORIDE | 4.406 | 117 | 34870 | 8.71 | UG/L | | 96 |
| 44) 1,1-DICHLOROPROPENE | 4.409 | 75 | 39610 | 9.55 | UG/L | | 96 |
| 45) BENZENE | 4.615 | 78 | 131890 | 10.44 | UG/L | | 98 |
| 47) T-AMYLMETHYL ETHER | 4.760 | 73 | 111737 | 11.23 | UG/L | | 97 |
| 50) 1,2-DICHLOROETHANE | 4.637 | 62 | 47494 | 9.32 | UG/L | | 99 |
| 51) TRICHLOROETHENE | 5.256 | 95 | 32411 | 9.82 | UG/L | | 93 |
| 52) METHYLCYCLOHEXANE | 5.438 | 83 | 40156 | 10.18 | UG/L | | 98 |
| 53) 1,2-DICHLOROPROPANE | 5.477 | 63 | 37197 | 10.19 | UG/L | # | 99 |

Data Path : C:\msdchem\1\data\C041423\
Data File : C22V10489.D
Acq On : 16 Apr 2023 1:48 am
Operator :
Sample : B0-BSD1 Inst : GCMSVOA3
Misc :
ALS Vial : 9 Sample Multiplier: 1



Quant Time: Apr 17 09:55:22 2023
Quant Method : C:\msdchem\1\methods\C080822.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
QLast Update : Thu Dec 08 06:26:11 2022
Response via : Initial Calibration

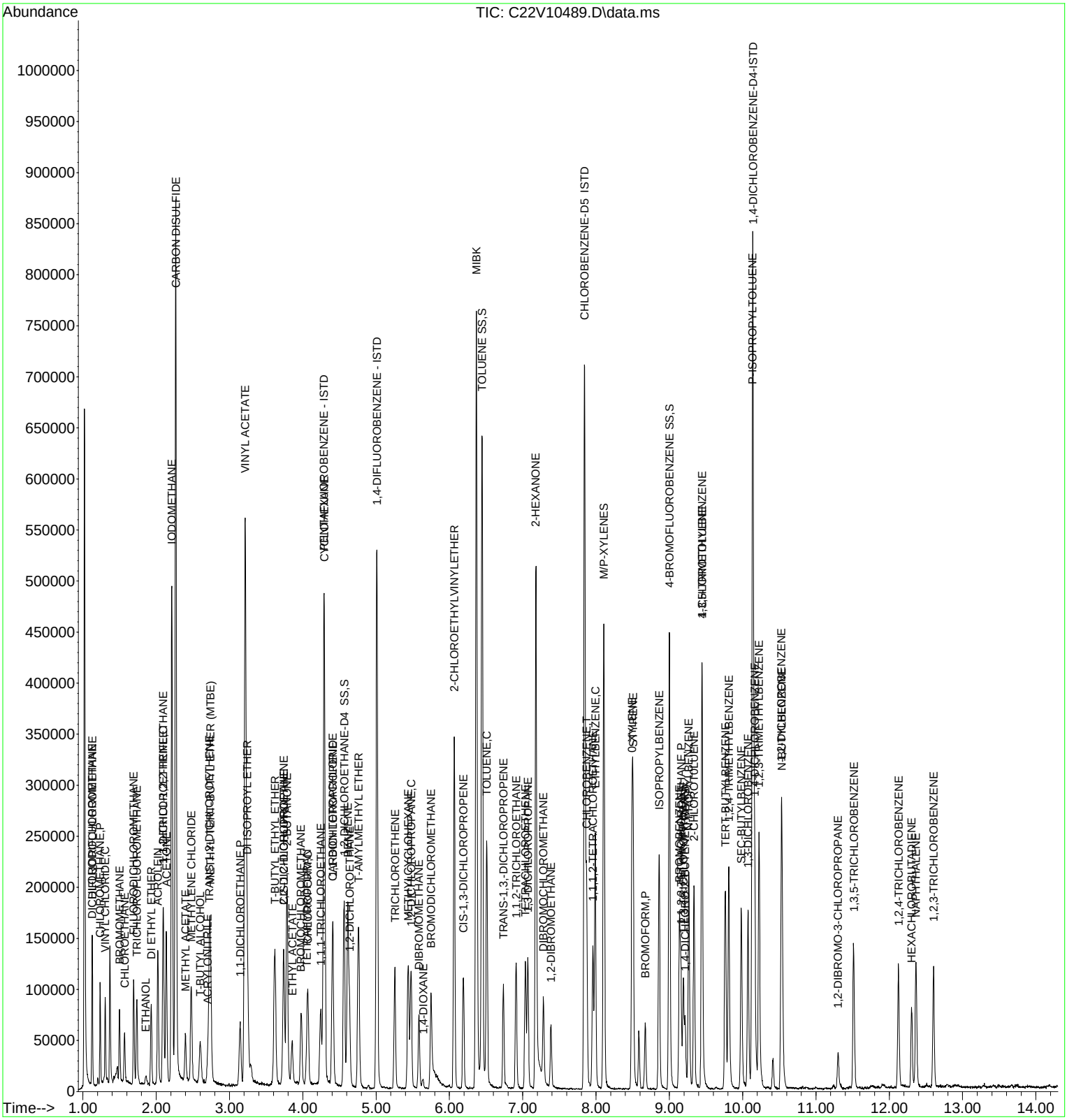
| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 54) DIBROMOMETHANE | 5.583 | 93 | 21847 | 9.18 | UG/L | | 96 |
| 56) 1,4-DIOXANE | 5.641 | 88 | 4923m | 87.30 | UG/L | | |
| 57) BROMODICHLOROMETHANE | 5.747 | 83 | 42917 | 9.14 | UG/L | | 97 |
| 58) 2-CHLOROETHYLVINYLETHER | 6.065 | 63 | 113413 | 58.34 | UG/L | | 93 |
| 59) MIBK | 6.366 | 43 | 475150 | 96.95 | UG/L | | 98 |
| 60) CIS-1,3-DICHLOROPROPENE | 6.191 | 75 | 50561 | 8.96 | UG/L | | 96 |
| 61) TOLUENE | 6.508 | 91 | 139489 | 9.79 | UG/L | | 96 |
| 62) TRANS-1,3,-DICHLOROPRO... | 6.737 | 75 | 43597 | 8.96 | UG/L | | 94 |
| 64) 1,1,2-TRICHLOROETHANE | 6.910 | 97 | 31992 | 9.60 | UG/L | | 93 |
| 65) 2-HEXANONE | 7.178 | 43 | 334214 | 98.62 | UG/L | | 95 |
| 66) TETRACHLOROETHENE | 7.035 | 166 | 30759 | 9.19 | UG/L | | 97 |
| 67) 1,3-DICHLOROPROPANE | 7.069 | 76 | 58753 | 9.91 | UG/L | | 97 |
| 68) DIBROMOCHLOROMETHANE | 7.281 | 129 | 33737 | 8.42 | UG/L | | 98 |
| 69) 1,2-DIBROMOETHANE | 7.384 | 107 | 34913 | 9.79 | UG/L | | 99 |
| 72) CHLOROBENZENE | 7.872 | 112 | 88853 | 9.39 | UG/L | | 94 |
| 73) 1,1,1,2-TETRACHLOROETHANE | 7.956 | 131 | 32118 | 9.16 | UG/L | | 99 |
| 74) ETHYLBENZENE | 7.989 | 91 | 147630 | 9.65 | UG/L | | 95 |
| 75) M/P-XYLENES | 8.106 | 91 | 226289 | 18.94 | UG/L | | 97 |
| 76) 0-XYLENE | 8.491 | 91 | 118877 | 9.46 | UG/L | | 96 |
| 77) STYRENE | 8.505 | 104 | 96086 | 9.51 | UG/L | | 94 |
| 78) BROMOFORM | 8.670 | 173 | 25466 | 8.11 | UG/L | # | 99 |
| 79) ISOPROPYLBENZENE | 8.862 | 105 | 134848 | 9.38 | UG/L | | 98 |
| 81) 1,1,2,2-TETRACHLOROETHANE | 9.160 | 83 | 48362 | 8.78 | UG/L | | 96 |
| 82) 1,4-DICHLORO-2-BUTENE(... | 9.213 | 53 | 11093 | 7.71 | UG/L | | 95 |
| 83) BROMOBENZENE | 9.135 | 77 | 59366 | 9.46 | UG/L | | 94 |
| 84) 1,2,3-TRICHLOROPROPANE | 9.191 | 75 | 39890 | 8.83 | UG/L | | 95 |
| 85) N-PROPYLBENZENE | 9.264 | 91 | 150596 | 9.37 | UG/L | | 98 |
| 86) 2-CHLOROT0LUENE | 9.336 | 91 | 96151 | 9.17 | UG/L | | 97 |
| 87) 1,3,5-TRIMETHYLBENZENE | 9.445 | 105 | 110590 | 9.38 | UG/L | | 97 |
| 88) 4-CHLOROTOLUENE | 9.445 | 91 | 111568 | 9.36 | UG/L | | 96 |
| 90) TERT-BUTYLBENZENE | 9.766 | 119 | 88051 | 9.21 | UG/L | | 95 |
| 91) 1,2,4-TRIMETHYLBENZENE | 9.810 | 105 | 109112 | 9.28 | UG/L | | 99 |
| 92) SEC-BUTYLBENZENE | 9.980 | 105 | 119157 | 9.34 | UG/L | | 97 |
| 93) 1,3-DICHLOROBENZENE | 10.075 | 146 | 68726 | 9.68 | UG/L | | 98 |
| 94) P-ISOPROPYLTOLUENE | 10.131 | 119 | 104374 | 9.52 | UG/L | | 98 |
| 95) 1,4-DICHLOROBENZENE | 10.164 | 146 | 68767 | 9.09 | UG/L | | 92 |
| 96) 1,2,3-TRIMETHYLBENZENE | 10.223 | 105 | 129490 | 9.94 | UG/L | # | 100 |
| 97) N-BUTYLBENZENE | 10.535 | 91 | 86274 | 9.35 | UG/L | | 96 |
| 98) 1,2-DICHLOROBENZENE | 10.530 | 146 | 68312 | 9.46 | UG/L | | 98 |
| 99) 1,2-DIBROMO-3-CHLOROPR... | 11.299 | 75 | 8131 | 8.28 | UG/L | | 88 |
| 100) 1,3,5-TRICHLOROBENZENE | 11.517 | 180 | 44194 | 10.01 | UG/L | | 99 |
| 101) 1,2,4-TRICHLOROBENZENE | 12.128 | 180 | 35738 | 8.84 | UG/L | | 99 |
| 102) HEXACHLOROBUTADIENE | 12.303 | 225 | 14999 | 8.83 | UG/L | | 94 |
| 103) NAPHTHALENE | 12.365 | 128 | 92554 | 7.64 | UG/L | | 99 |
| 104) 1,2,3-TRICHLOROBENZENE | 12.604 | 180 | 34567 | 8.75 | UG/L | | 97 |

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

Data Path : C:\msdchem\1\data\C041423\
Data File : C22V10489.D
Acq On : 16 Apr 2023 1:48 am
Operator :
Sample : B0-BSD1 Inst : GCMSVOA3
Misc :
ALS Vial : 9 Sample Multiplier: 1



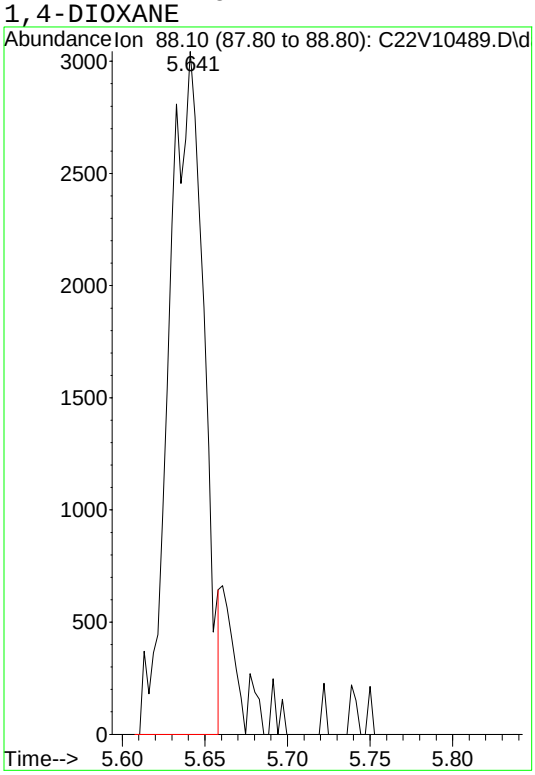
Quant Time: Apr 17 09:55:22 2023
Quant Method : C:\msdchem\1\methods\C080822.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
QLast Update : Thu Dec 08 06:26:11 2022
Response via : Initial Calibration



Data Path : C:\msdchem\1\data\C041423\
Data File : C22V10489.D
Acq On : 16 Apr 2023 1:48 am
Operator :
Sample : B0-BSD1
Misc :

Quant Time : Mon Apr 17 09:55:22 2023
Quant Method : C:\msdchem\1\methods\C080822.M
QLast Update : Thu Dec 08 06:26:11 2022

Original Integration
1,4-DIOXANE




Original Int. Results
---

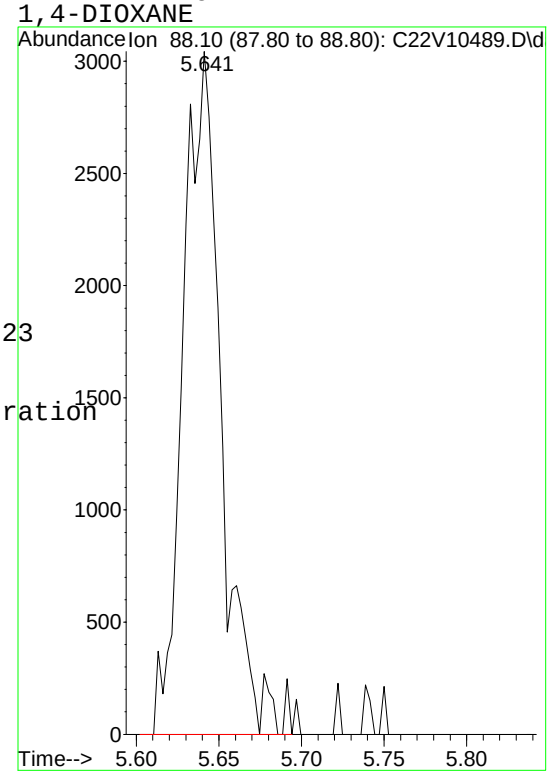
RT : 5.64
Area : 4427
Amount: 78.5044

Manual Int. Results
---

Mon Apr 17 09:55:22 2023

MIuser: MFF
Reason: Incorret Integration
RT : 5.64
Area : 4923
Amount: 87.3

Manual Integration
1,4-DIOXANE



# 1 - FORM I
# ANALYSIS DATA SHEET

## Matrix Spike

| | | | | | |
|---|---|---|---|---|---|
| Laboratory: | Pace New England | | | Work Order: | 23D0848 |
| Client: | NYDEC_GES - Amherst, NY | | Project: | 275 Franklin St, Buffalo, NY - CO 144192 | |
| Matrix: | Water | Laboratory ID: | B337044-MS1 | File ID: | C22V10512.D |
| Sampled: | | Prepared: | 04/13/23 07:13 | Analyzed: | 04/16/23 12:00 |
| Solids: | | Preparation: | SW-846 5030B | Dilution: | |
| Batch: | B337044 | Sequence: | S086046 | Calibration: | 2200537 |
| Column: | 1 | | | | |

Instrument: GCMSVOA3

| CAS NO. | COMPOUND | CONC. (µg/L) | MDL | RL | Q |
|---|---|---|---|---|---|
| 67-64-1 | Acetone | 90.9 | 2.0 | 50 | |
| 71-43-2 | Benzene | 9.72 | 0.18 | 1.0 | |
| 74-97-5 | Bromochloromethane | 10.8 | 0.28 | 1.0 | |
| 75-27-4 | Bromodichloromethane | 8.86 | 0.16 | 0.50 | |
| 75-25-2 | Bromoform | 7.24 | 0.41 | 1.0 | |
| 74-83-9 | Bromomethane | 9.59 | 1.3 | 2.0 | |
| 78-93-3 | 2-Butanone (MEK) | 96.7 | 1.7 | 20 | |
| 75-15-0 | Carbon Disulfide | 87.0 | 1.6 | 5.0 | |
| 56-23-5 | Carbon Tetrachloride | 9.56 | 0.16 | 5.0 | |
| 108-90-7 | Chlorobenzene | 8.20 | 0.12 | 1.0 | |
| 124-48-1 | Chlorodibromomethane | 8.32 | 0.20 | 0.50 | |
| 75-00-3 | Chloroethane | 9.10 | 0.34 | 2.0 | |
| 67-66-3 | Chloroform | 12.2 | 0.14 | 2.0 | |
| 74-87-3 | Chloromethane | 9.49 | 0.50 | 2.0 | |
| 110-82-7 | Cyclohexane | 10.4 | 1.8 | 5.0 | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane (DBCP) | 7.54 | 0.85 | 5.0 | |
| 106-93-4 | 1,2-Dibromoethane (EDB) | 8.99 | 0.16 | 0.50 | |
| 95-50-1 | 1,2-Dichlorobenzene | 8.57 | 0.13 | 1.0 | |
| 541-73-1 | 1,3-Dichlorobenzene | 8.40 | 0.14 | 1.0 | |
| 106-46-7 | 1,4-Dichlorobenzene | 8.32 | 0.13 | 1.0 | |
| 75-71-8 | Dichlorodifluoromethane (Freon 12) | 10.7 | 0.16 | 2.0 | |
| 75-34-3 | 1,1-Dichloroethane | 9.52 | 0.14 | 1.0 | |
| 107-06-2 | 1,2-Dichloroethane | 9.41 | 0.30 | 1.0 | |
| 75-35-4 | 1,1-Dichloroethylene | 9.22 | 0.14 | 1.0 | |
| 156-59-2 | cis-1,2-Dichloroethylene | 8.73 | 0.14 | 1.0 | |
| 156-60-5 | trans-1,2-Dichloroethylene | 8.59 | 0.17 | 1.0 | |
| 78-87-5 | 1,2-Dichloropropane | 9.58 | 0.19 | 1.0 | |
| 10061-01-5 | cis-1,3-Dichloropropene | 7.60 | 0.16 | 0.50 | |
| 10061-02-6 | trans-1,3-Dichloropropene | 7.59 | 0.14 | 0.50 | |
| 123-91-1 | 1,4-Dioxane | 75.9 | 18 | 50 | |

# 1 - FORM I
# ANALYSIS DATA SHEET

## Matrix Spike

| | | | | | |
|---|---|---|---|---|---|
| Laboratory: | Pace New England | | | Work Order: | 23D0848 |
| Client: | NYDEC_GES - Amherst, NY | | Project: | 275 Franklin St, Buffalo, NY - CO 144192 | |
| Matrix: | Water | Laboratory ID: | B337044-MS1 | File ID: | C22V10512.D |
| Sampled: | | Prepared: | 04/13/23 07:13 | Analyzed: | 04/16/23 12:00 |
| Solids: | | Preparation: | SW-846 5030B | Dilution: | |
| Batch: | B337044 | Sequence: | S086046 | Calibration: | 2200537 |
| Column: | 1 | | | | |

Instrument: GCMSVOA3

| CAS NO. | COMPOUND | CONC. (µg/L) | MDL | RL | Q |
|---|---|---|---|---|---|
| 100-41-4 | Ethylbenzene | 8.95 | 0.22 | 1.0 | |
| 591-78-6 | 2-Hexanone (MBK) | 90.5 | 1.2 | 10 | |
| 98-82-8 | Isopropylbenzene (Cumene) | 8.52 | 0.15 | 1.0 | |
| 79-20-9 | Methyl Acetate | 4.32 | 0.61 | 1.0 | |
| 1634-04-4 | Methyl tert-Butyl Ether (MTBE) | 9.19 | 0.17 | 1.0 | |
| 108-87-2 | Methyl Cyclohexane | 9.22 | 0.16 | 1.0 | |
| 75-09-2 | Methylene Chloride | 9.14 | 0.18 | 5.0 | |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | 92.1 | 1.3 | 10 | |
| 100-42-5 | Styrene | 8.22 | 0.15 | 1.0 | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 8.06 | 0.14 | 0.50 | |
| 127-18-4 | Tetrachloroethylene | 12.8 | 0.17 | 1.0 | |
| 108-88-3 | Toluene | 9.28 | 0.22 | 1.0 | |
| 87-61-6 | 1,2,3-Trichlorobenzene | 6.41 | 0.34 | 5.0 | |
| 120-82-1 | 1,2,4-Trichlorobenzene | 7.11 | 0.30 | 1.0 | |
| 71-55-6 | 1,1,1-Trichloroethane | 9.60 | 0.15 | 1.0 | |
| 79-00-5 | 1,1,2-Trichloroethane | 8.94 | 0.19 | 1.0 | |
| 79-01-6 | Trichloroethylene | 9.11 | 0.17 | 1.0 | |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | 9.52 | 0.15 | 2.0 | |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1 | 9.13 | 0.21 | 1.0 | |
| 75-01-4 | Vinyl Chloride | 10.8 | 0.24 | 2.0 | |
| 108383/106423 | m+p Xylene | 18.4 | 0.49 | 2.0 | |
| 95-47-6 | o-Xylene | 8.73 | 0.24 | 1.0 | |
| 1330-20-7 | Xylenes (total) | 27.1 | 1.0 | 1.0 | |

Data Path : C:\msdchem\1\data\C041423\
Data File : C22V10512.D
Acq On : 16 Apr 2023 12:00 pm
Operator :
Sample : 23D0848-01 @ MS Inst : GCMSVOA3
Misc :
ALS Vial : 32 Sample Multiplier: 1



Quant Time: Apr 17 09:56:52 2023
Quant Method : C:\msdchem\1\methods\C080822.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
QLast Update : Thu Dec 08 06:26:11 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) PENTAFLUOROBENZENE - ISTD | 4.292 | 168 | 183038 | 30.00 | UG/L | | -0.02 |
| 48) 1,4-DIFLUOROBENZENE - ... | 5.011 | 114 | 277968 | 30.00 | UG/L | | -0.01 |
| 70) CHLOROBENZENE-D5 ISTD | 7.842 | 82 | 144837 | 30.00 | UG/L | | 0.00 |
| 89) 1,4-DICHLOROBENZENE-D4... | 10.139 | 152 | 137838 | 30.00 | UG/L | # | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 2) 1,2-DICHLOROETHANE-D4 SS | 4.565 | 65 | 92147 | 26.83 | UG/L | | -0.01 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 107.32% | | | | |
| 49) TOLUENE SS | 6.444 | 98 | 281335 | 25.56 | UG/L | | -0.01 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 102.24% | | | | |
| 71) 4-BROMOFLUOROBENZENE SS | 8.999 | 95 | 100695 | 23.45 | UG/L | | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 93.80% | | | | |
| Target Compounds | | | | | | | Qvalue |
| 3) DICHLORODIFLUOROMETHANE | 1.124 | 85 | 28372 | 10.71 | UG/L | | 97 |
| 4) DIFLUOROCHLOROMETHANE | 1.129 | 51 | 43246 | 12.39 | UG/L | # | 100 |
| 5) CHLOROMETHANE | 1.235 | 50 | 41077 | 9.49 | UG/L | # | 24 |
| 6) VINYL CHLORIDE | 1.305 | 62 | 34353 | 10.78 | UG/L | | 96 |
| 7) BROMOMETHANE | 1.503 | 94 | 18018 | 9.59 | UG/L | | 100 |
| 8) CHLOROETHANE | 1.570 | 64 | 19990 | 9.10 | UG/L | | 98 |
| 9) FLUORODICHLOROMETHANE | 1.695 | 67 | 50456 | 9.84 | UG/L | | 99 |
| 10) TRICHLOROFLUOROMETHANE | 1.734 | 101 | 37108 | 9.52 | UG/L | | 98 |
| 11) ETHANOL | 1.857 | 45 | 9088 | 143.68 | UG/L | # | 88 |
| 12) DI ETHYL ETHER | 1.930 | 59 | 21301 | 9.40 | UG/L | | 94 |
| 13) ACROLEIN | 2.022 | 56 | 50860 | 91.14 | UG/L | | 99 |
| 14) ACETONE | 2.136 | 43 | 100941 | 90.86 | UG/L | | 100 |
| 15) 1,1-DICHLOROETHENE | 2.094 | 61 | 36576 | 9.22 | UG/L | | 99 |
| 16) 1,1,2-TRICL-1,2,2-TRIF... | 2.097 | 101 | 21027 | 9.13 | UG/L | | 87 |
| 17) IODOMETHANE | 2.214 | 142 | 300167 | 90.77 | UG/L | | 96 |
| 20) METHYL ACETATE | 2.395 | 43 | 18704 | 4.32 | UG/L | # | 93 |
| 21) T-BUTYL ALCOHOL | 2.596 | 59 | 31443 | 71.74 | UG/L | # | 97 |
| 22) ACRYLONITRILE | 2.702 | 53 | 11564 | 8.39 | UG/L | | 91 |
| 23) METHYLENE CHLORIDE | 2.476 | 49 | 35840 | 9.14 | UG/L | | 98 |
| 24) CARBON DISULFIDE | 2.267 | 76 | 664004 | 87.03 | UG/L | | 99 |
| 25) METHYL TERT-BUTYL ETHE... | 2.741 | 73 | 79245 | 9.19 | UG/L | | 97 |
| 26) TRANS 1,2-DICHLOROETHENE | 2.724 | 61 | 32380 | 8.59 | UG/L | | 94 |
| 27) 1,1-DICHLOROETHANE | 3.146 | 63 | 45747 | 9.52 | UG/L | | 96 |
| 28) VINYL ACETATE | 3.212 | 43 | 375636 | 46.91 | UG/L | | 98 |
| 29) DI ISOPROYL ETHER | 3.238 | 45 | 96353 | 10.13 | UG/L | | 97 |
| 31) 2-BUTANONE | 3.779 | 43 | 155426 | 96.71 | UG/L | | 100 |
| 32) T-BUTYL ETHYL ETHER | 3.620 | 59 | 85143 | 10.09 | UG/L | | 99 |
| 33) CIS-1,2-DICHLOROETHENE | 3.737 | 61 | 36549 | 8.73 | UG/L | | 95 |
| 34) 2,2-DICHLOROPROPANE | 3.745 | 77 | 14600 | 3.93 | UG/L | | 96 |
| 35) ETHYL ACETATE | 3.851 | 43 | 20090 | 5.06 | UG/L | | 94 |
| 38) BROMOCHLOROMETHANE | 3.977 | 49 | 24914 | 10.77 | UG/L | | 92 |
| 39) TETRAHYDROFURAN | 4.052 | 42 | 11701 | 10.22 | UG/L | # | 87 |
| 40) CHLOROFORM | 4.069 | 83 | 56268 | 12.15 | UG/L | | 96 |
| 41) 1,1,1-TRICHLOROETHANE | 4.244 | 97 | 37024 | 9.60 | UG/L | | 95 |
| 42) CYCLOHEXANE | 4.297 | 56 | 44965 | 10.41 | UG/L | | 95 |
| 43) CARBON TETRACHLORIDE | 4.406 | 117 | 30803 | 9.56 | UG/L | | 98 |
| 44) 1,1-DICHLOROPROPENE | 4.409 | 75 | 31394 | 9.40 | UG/L | | 95 |
| 45) BENZENE | 4.615 | 78 | 98908 | 9.72 | UG/L | | 97 |
| 47) T-AMYLMETHYL ETHER | 4.760 | 73 | 76629 | 9.57 | UG/L | | 99 |
| 50) 1,2-DICHLOROETHANE | 4.640 | 62 | 37301 | 9.41 | UG/L | | 98 |
| 51) TRICHLOROETHENE | 5.257 | 95 | 23364 | 9.11 | UG/L | | 93 |
| 52) METHYLCYCLOHEXANE | 5.441 | 83 | 28273 | 9.22 | UG/L | | 96 |
| 53) 1,2-DICHLOROPROPANE | 5.480 | 63 | 27189 | 9.58 | UG/L | | 98 |

Data Path : C:\msdchem\1\data\C041423\
Data File : C22V10512.D
Acq On : 16 Apr 2023 12:00 pm
Operator :
Sample : 23D0848-01 @ MS Inst : GCMSVOA3
Misc :
ALS Vial : 32 Sample Multiplier: 1



Quant Time: Apr 17 09:56:52 2023
Quant Method : C:\msdchem\1\methods\C080822.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
QLast Update : Thu Dec 08 06:26:11 2022
Response via : Initial Calibration

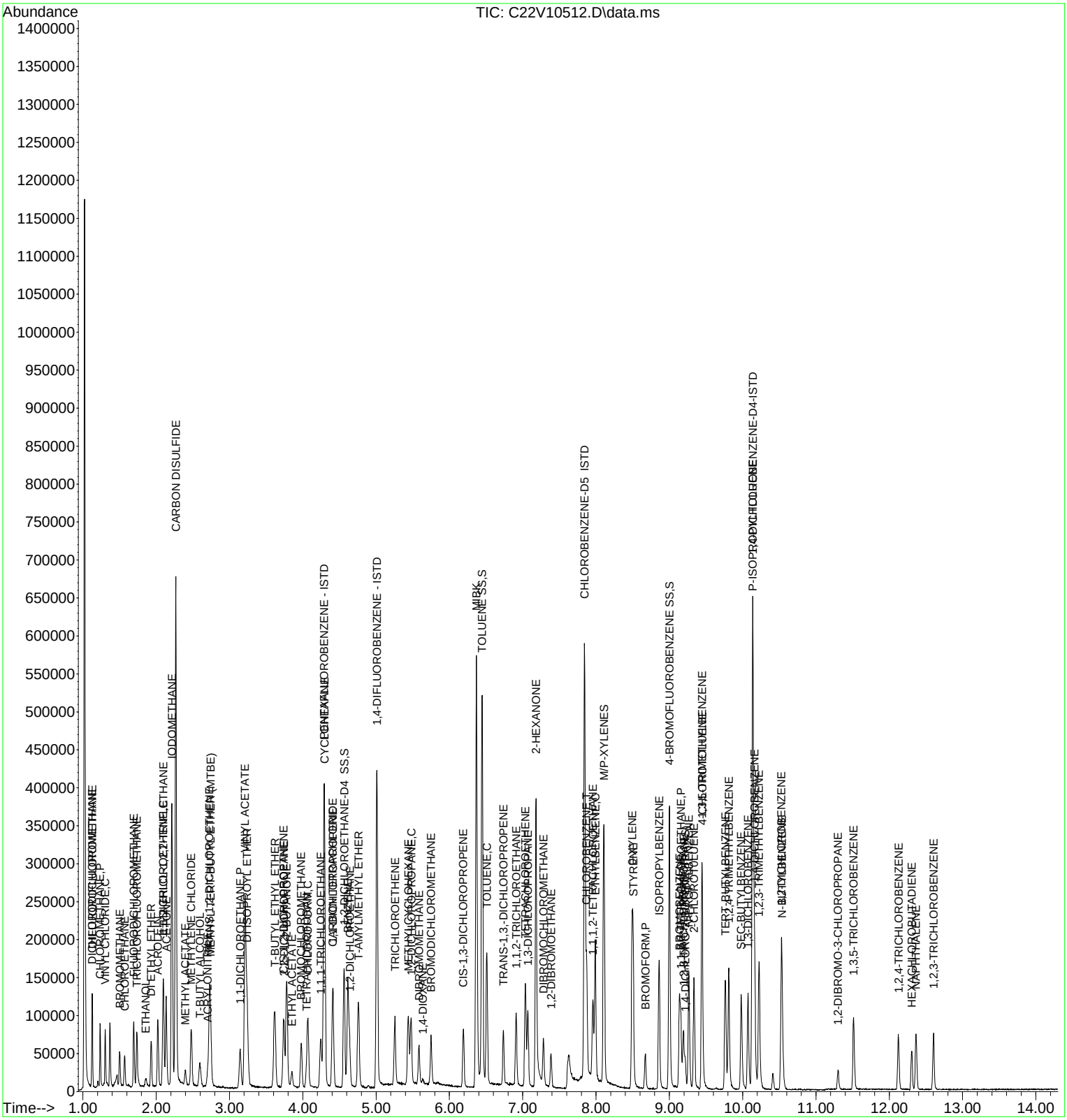
| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 54) DIBROMOMETHANE | 5.586 | 93 | 15487 | 8.37 | UG/L | | 95 |
| 56) 1,4-DIOXANE | 5.636 | 88 | 3326 | 75.86 | UG/L | | 96 |
| 57) BROMODICHLOROMETHANE | 5.747 | 83 | 32364 | 8.86 | UG/L | | 97 |
| 59) MIBK | 6.369 | 43 | 350767 | 92.06 | UG/L | | 96 |
| 60) CIS-1,3-DICHLOROPROPENE | 6.188 | 75 | 33344 | 7.60 | UG/L | | 94 |
| 61) TOLUENE | 6.511 | 91 | 102726 | 9.28 | UG/L | | 97 |
| 62) TRANS-1,3,-DICHLOROPRO... | 6.737 | 75 | 28697 | 7.59 | UG/L | | 92 |
| 64) 1,1,2-TRICHLOROETHANE | 6.910 | 97 | 23165 | 8.94 | UG/L | | 94 |
| 65) 2-HEXANONE | 7.181 | 43 | 238486 | 90.52 | UG/L | | 95 |
| 66) TETRACHLOROETHENE | 7.036 | 166 | 33243 | 12.78 | UG/L | | 97 |
| 67) 1,3-DICHLOROPROPANE | 7.069 | 76 | 42743 | 9.27 | UG/L | | 98 |
| 68) DIBROMOCHLOROMETHANE | 7.284 | 129 | 25919 | 8.32 | UG/L | | 98 |
| 69) 1,2-DIBROMOETHANE | 7.387 | 107 | 24938 | 8.99 | UG/L | | 99 |
| 72) CHLOROBENZENE | 7.869 | 112 | 62385 | 8.20 | UG/L | | 90 |
| 73) 1,1,1,2-TETRACHLOROETHANE | 7.956 | 131 | 24640 | 8.73 | UG/L | | 96 |
| 74) ETHYLBENZENE | 7.989 | 91 | 110176 | 8.95 | UG/L | | 95 |
| 75) M/P-XYLENES | 8.109 | 91 | 176799 | 18.40 | UG/L | | 95 |
| 76) 0-XYLENE | 8.494 | 91 | 88303 | 8.73 | UG/L | | 96 |
| 77) STYRENE | 8.508 | 104 | 66830 | 8.22 | UG/L | | 89 |
| 78) BROMOFORM | 8.675 | 173 | 18307 | 7.24 | UG/L | # | 98 |
| 79) ISOPROPYLBENZENE | 8.862 | 105 | 98549 | 8.52 | UG/L | | 98 |
| 81) 1,1,2,2-TETRACHLOROETHANE | 9.158 | 83 | 35730 | 8.06 | UG/L | | 93 |
| 82) 1,4-DICHLORO-2-BUTENE(... | 9.216 | 53 | 6695 | 5.78 | UG/L | | 94 |
| 83) BROMOBENZENE | 9.138 | 77 | 43470 | 8.62 | UG/L | | 91 |
| 84) 1,2,3-TRICHLOROPROPANE | 9.194 | 75 | 32805 | 9.03 | UG/L | | 89 |
| 85) N-PROPYLBENZENE | 9.267 | 91 | 108666 | 8.40 | UG/L | | 95 |
| 86) 2-CHLOROT0LUENE | 9.336 | 91 | 70772 | 8.39 | UG/L | | 98 |
| 87) 1,3,5-TRIMETHYLBENZENE | 9.445 | 105 | 79072 | 8.34 | UG/L | | 96 |
| 88) 4-CHLOROTOLUENE | 9.448 | 91 | 78646 | 8.21 | UG/L | | 99 |
| 90) TERT-BUTYLBENZENE | 9.763 | 119 | 63813 | 8.64 | UG/L | | 94 |
| 91) 1,2,4-TRIMETHYLBENZENE | 9.810 | 105 | 79014 | 8.71 | UG/L | | 94 |
| 92) SEC-BUTYLBENZENE | 9.978 | 105 | 85904 | 8.72 | UG/L | | 96 |
| 93) 1,3-DICHLOROBENZENE | 10.073 | 146 | 46055 | 8.40 | UG/L | | 98 |
| 94) P-ISOPROPYLTOLUENE | 10.134 | 119 | 71536 | 8.45 | UG/L | | 98 |
| 95) 1,4-DICHLOROBENZENE | 10.162 | 146 | 48557 | 8.32 | UG/L | | 95 |
| 96) 1,2,3-TRIMETHYLBENZENE | 10.223 | 105 | 91790 | 9.13 | UG/L | # | 100 |
| 97) N-BUTYLBENZENE | 10.538 | 91 | 57729 | 8.11 | UG/L | | 94 |
| 98) 1,2-DICHLOROBENZENE | 10.527 | 146 | 47775 | 8.57 | UG/L | | 97 |
| 99) 1,2-DIBROMO-3-CHLOROPR... | 11.300 | 75 | 5710 | 7.54 | UG/L | | 86 |
| 100) 1,3,5-TRICHLOROBENZENE | 11.511 | 180 | 28138 | 8.26 | UG/L | | 95 |
| 101) 1,2,4-TRICHLOROBENZENE | 12.128 | 180 | 22181 | 7.11 | UG/L | | 99 |
| 102) HEXACHLOROBUTADIENE | 12.306 | 225 | 9956 | 7.60 | UG/L | # | 87 |
| 103) NAPHTHALENE | 12.365 | 128 | 52888 | 5.65 | UG/L | | 98 |
| 104) 1,2,3-TRICHLOROBENZENE | 12.605 | 180 | 19566 | 6.41 | UG/L | | 94 |

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

Data Path : C:\msdchem\1\data\C041423\
Data File : C22V10512.D
Acq On : 16 Apr 2023 12:00 pm
Operator :
Sample : 23D0848-01 @ MS Inst : GCMSVOA3
Misc :
ALS Vial : 32 Sample Multiplier: 1



Quant Time: Apr 17 09:56:52 2023
Quant Method : C:\msdchem\1\methods\C080822.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
QLast Update : Thu Dec 08 06:26:11 2022
Response via : Initial Calibration



# 1 - FORM I
# ANALYSIS DATA SHEET

## Matrix Spike Dup

| | | | | | |
|---|---|---|---|---|---|
| Laboratory: | Pace New England | | | Work Order: | 23D0848 |
| Client: | NYDEC_GES - Amherst, NY | | Project: | 275 Franklin St, Buffalo, NY - CO 144192 | |
| Matrix: | Water | Laboratory ID: | B337044-MSD1 | File ID: | C22V10513.D |
| Sampled: | | Prepared: | 04/13/23 07:13 | Analyzed: | 04/16/23 12:27 |
| Solids: | | Preparation: | SW-846 5030B | Dilution: | |
| Batch: | B337044 | Sequence: | S086046 | Calibration: | 2200537 |
| Column: | 1 | | | | |

Instrument: GCMSVOA3

| CAS NO. | COMPOUND | CONC. (µg/L) | MDL | RL | Q |
|---|---|---|---|---|---|
| 67-64-1 | Acetone | 89.2 | 2.0 | 50 | |
| 71-43-2 | Benzene | 9.70 | 0.18 | 1.0 | |
| 74-97-5 | Bromochloromethane | 10.3 | 0.28 | 1.0 | |
| 75-27-4 | Bromodichloromethane | 9.09 | 0.16 | 0.50 | |
| 75-25-2 | Bromoform | 7.27 | 0.41 | 1.0 | |
| 74-83-9 | Bromomethane | 9.49 | 1.3 | 2.0 | |
| 78-93-3 | 2-Butanone (MEK) | 97.2 | 1.7 | 20 | |
| 75-15-0 | Carbon Disulfide | 87.3 | 1.6 | 5.0 | |
| 56-23-5 | Carbon Tetrachloride | 9.64 | 0.16 | 5.0 | |
| 108-90-7 | Chlorobenzene | 8.47 | 0.12 | 1.0 | |
| 124-48-1 | Chlorodibromomethane | 7.99 | 0.20 | 0.50 | |
| 75-00-3 | Chloroethane | 8.93 | 0.34 | 2.0 | |
| 67-66-3 | Chloroform | 11.6 | 0.14 | 2.0 | |
| 74-87-3 | Chloromethane | 9.68 | 0.50 | 2.0 | |
| 110-82-7 | Cyclohexane | 10.2 | 1.8 | 5.0 | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane (DBCP) | 7.67 | 0.85 | 5.0 | |
| 106-93-4 | 1,2-Dibromoethane (EDB) | 8.36 | 0.16 | 0.50 | |
| 95-50-1 | 1,2-Dichlorobenzene | 8.27 | 0.13 | 1.0 | |
| 541-73-1 | 1,3-Dichlorobenzene | 8.23 | 0.14 | 1.0 | |
| 106-46-7 | 1,4-Dichlorobenzene | 7.89 | 0.13 | 1.0 | |
| 75-71-8 | Dichlorodifluoromethane (Freon 12) | 11.1 | 0.16 | 2.0 | |
| 75-34-3 | 1,1-Dichloroethane | 9.24 | 0.14 | 1.0 | |
| 107-06-2 | 1,2-Dichloroethane | 9.00 | 0.30 | 1.0 | |
| 75-35-4 | 1,1-Dichloroethylene | 9.49 | 0.14 | 1.0 | |
| 156-59-2 | cis-1,2-Dichloroethylene | 8.64 | 0.14 | 1.0 | |
| 156-60-5 | trans-1,2-Dichloroethylene | 8.56 | 0.17 | 1.0 | |
| 78-87-5 | 1,2-Dichloropropane | 9.52 | 0.19 | 1.0 | |
| 10061-01-5 | cis-1,3-Dichloropropene | 7.34 | 0.16 | 0.50 | |
| 10061-02-6 | trans-1,3-Dichloropropene | 7.45 | 0.14 | 0.50 | |
| 123-91-1 | 1,4-Dioxane | 77.8 | 18 | 50 | |

# 1 - FORM I
# ANALYSIS DATA SHEET

## Matrix Spike Dup

| | | | | | |
|---|---|---|---|---|---|
| Laboratory: | Pace New England | | | Work Order: | 23D0848 |
| Client: | NYDEC_GES - Amherst, NY | | Project: | 275 Franklin St, Buffalo, NY - CO 144192 | |
| Matrix: | Water | Laboratory ID: | B337044-MSD1 | File ID: | C22V10513.D |
| Sampled: | | Prepared: | 04/13/23 07:13 | Analyzed: | 04/16/23 12:27 |
| Solids: | | Preparation: | SW-846 5030B | Dilution: | |
| Batch: | B337044 | Sequence: | S086046 | Calibration: | 2200537 |
| Instrument: | GCMSVOA3 | | | | |
| Column: | 1 | | | | |

| CAS NO. | COMPOUND | CONC. (µg/L) | MDL | RL | Q |
|---|---|---|---|---|---|
| 100-41-4 | Ethylbenzene | 8.86 | 0.22 | 1.0 | |
| 591-78-6 | 2-Hexanone (MBK) | 91.5 | 1.2 | 10 | |
| 98-82-8 | Isopropylbenzene (Cumene) | 8.29 | 0.15 | 1.0 | |
| 79-20-9 | Methyl Acetate | 4.35 | 0.61 | 1.0 | |
| 1634-04-4 | Methyl tert-Butyl Ether (MTBE) | 9.07 | 0.17 | 1.0 | |
| 108-87-2 | Methyl Cyclohexane | 9.23 | 0.16 | 1.0 | |
| 75-09-2 | Methylene Chloride | 9.27 | 0.18 | 5.0 | |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | 88.9 | 1.3 | 10 | |
| 100-42-5 | Styrene | 8.30 | 0.15 | 1.0 | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 7.71 | 0.14 | 0.50 | |
| 127-18-4 | Tetrachloroethylene | 12.3 | 0.17 | 1.0 | |
| 108-88-3 | Toluene | 8.90 | 0.22 | 1.0 | |
| 87-61-6 | 1,2,3-Trichlorobenzene | 6.27 | 0.34 | 5.0 | |
| 120-82-1 | 1,2,4-Trichlorobenzene | 6.92 | 0.30 | 1.0 | |
| 71-55-6 | 1,1,1-Trichloroethane | 9.61 | 0.15 | 1.0 | |
| 79-00-5 | 1,1,2-Trichloroethane | 8.74 | 0.19 | 1.0 | |
| 79-01-6 | Trichloroethylene | 8.91 | 0.17 | 1.0 | |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | 9.29 | 0.15 | 2.0 | |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1 | 9.05 | 0.21 | 1.0 | |
| 75-01-4 | Vinyl Chloride | 10.9 | 0.24 | 2.0 | |
| 108383/106423 | m+p Xylene | 17.2 | 0.49 | 2.0 | |
| 95-47-6 | o-Xylene | 8.40 | 0.24 | 1.0 | |
| 1330-20-7 | Xylenes (total) | 25.6 | 1.0 | 1.0 | |

Data Path : C:\msdchem\1\data\C041423\
Data File : C22V10513.D
Acq On : 16 Apr 2023 12:27 pm
Operator :
Sample : 23D0848-01 @ MSD Inst : GCMSVOA3
Misc :
ALS Vial : 33 Sample Multiplier: 1



Quant Time: Apr 17 09:56:54 2023
Quant Method : C:\msdchem\1\methods\C080822.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
QLast Update : Thu Dec 08 06:26:11 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) PENTAFLUOROBENZENE - ISTD | 4.291 | 168 | 184277 | 30.00 | UG/L | | -0.02 |
| 48) 1,4-DIFLUOROBENZENE - ... | 5.011 | 114 | 287426 | 30.00 | UG/L | | -0.01 |
| 70) CHLOROBENZENE-D5 ISTD | 7.844 | 82 | 146735 | 30.00 | UG/L | | 0.00 |
| 89) 1,4-DICHLOROBENZENE-D4... | 10.139 | 152 | 139572 | 30.00 | UG/L | # | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 2) 1,2-DICHLOROETHANE-D4 SS | 4.562 | 65 | 94333 | 27.28 | UG/L | | -0.02 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 109.12% | | | | |
| 49) TOLUENE SS | 6.447 | 98 | 282868 | 24.85 | UG/L | | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 99.40% | | | | |
| 71) 4-BROMOFLUOROBENZENE SS | 8.999 | 95 | 103861 | 23.87 | UG/L | | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 95.48% | | | | |
| Target Compounds | | | | | | | Qvalue |
| 3) DICHLORODIFLUOROMETHANE | 1.124 | 85 | 29666 | 11.13 | UG/L | | 100 |
| 4) DIFLUOROCHLOROMETHANE | 1.129 | 51 | 43661 | 12.42 | UG/L | # | 100 |
| 5) CHLOROMETHANE | 1.235 | 50 | 42182 | 9.68 | UG/L | # | 28 |
| 6) VINYL CHLORIDE | 1.305 | 62 | 34845 | 10.86 | UG/L | | 96 |
| 7) BROMOMETHANE | 1.500 | 94 | 17950 | 9.49 | UG/L | | 92 |
| 8) CHLOROETHANE | 1.570 | 64 | 19756 | 8.93 | UG/L | | 99 |
| 9) FLUORODICHLOROMETHANE | 1.692 | 67 | 51139 | 9.91 | UG/L | | 99 |
| 10) TRICHLOROFLUOROMETHANE | 1.734 | 101 | 36487 | 9.29 | UG/L | | 98 |
| 11) ETHANOL | 1.863 | 45 | 8029 | 126.08 | UG/L | # | 86 |
| 12) DI ETHYL ETHER | 1.932 | 59 | 21592 | 9.47 | UG/L | | 98 |
| 13) ACROLEIN | 2.024 | 56 | 49009 | 87.23 | UG/L | | 98 |
| 14) ACETONE | 2.139 | 43 | 99725 | 89.16 | UG/L | | 96 |
| 15) 1,1-DICHLOROETHENE | 2.100 | 61 | 37896 | 9.49 | UG/L | | 95 |
| 16) 1,1,2-TRICL-1,2,2-TRIF... | 2.097 | 101 | 20981 | 9.05 | UG/L | | 86 |
| 17) IODOMETHANE | 2.214 | 142 | 316349 | 95.02 | UG/L | | 96 |
| 20) METHYL ACETATE | 2.395 | 43 | 18942 | 4.35 | UG/L | | 100 |
| 21) T-BUTYL ALCOHOL | 2.602 | 59 | 33489 | 75.90 | UG/L | # | 97 |
| 22) ACRYLONITRILE | 2.702 | 53 | 12637 | 9.11 | UG/L | | 99 |
| 23) METHYLENE CHLORIDE | 2.476 | 49 | 36601 | 9.27 | UG/L | | 96 |
| 24) CARBON DISULFIDE | 2.267 | 76 | 670453 | 87.29 | UG/L | | 99 |
| 25) METHYL TERT-BUTYL ETHE... | 2.738 | 73 | 78702 | 9.07 | UG/L | | 98 |
| 26) TRANS 1,2-DICHLOROETHENE | 2.724 | 61 | 32487 | 8.56 | UG/L | | 95 |
| 27) 1,1-DICHLOROETHANE | 3.145 | 63 | 44720 | 9.24 | UG/L | # | 92 |
| 28) VINYL ACETATE | 3.212 | 43 | 352645 | 43.74 | UG/L | | 97 |
| 29) DI ISOPROYL ETHER | 3.243 | 45 | 94580 | 9.88 | UG/L | | 99 |
| 31) 2-BUTANONE | 3.784 | 43 | 157333 | 97.24 | UG/L | | 99 |
| 32) T-BUTYL ETHYL ETHER | 3.619 | 59 | 83056 | 9.77 | UG/L | | 98 |
| 33) CIS-1,2-DICHLOROETHENE | 3.739 | 61 | 36413 | 8.64 | UG/L | | 95 |
| 34) 2,2-DICHLOROPROPANE | 3.734 | 77 | 14263 | 3.81 | UG/L | | 97 |
| 35) ETHYL ACETATE | 3.851 | 43 | 19162 | 4.79 | UG/L | | 97 |
| 38) BROMOCHLOROMETHANE | 3.976 | 49 | 24059 | 10.33 | UG/L | | 93 |
| 39) TETRAHYDROFURAN | 4.052 | 42 | 12020 | 10.43 | UG/L | | 99 |
| 40) CHLOROFORM | 4.071 | 83 | 53892 | 11.56 | UG/L | | 98 |
| 41) 1,1,1-TRICHLOROETHANE | 4.244 | 97 | 37307 | 9.61 | UG/L | | 92 |
| 42) CYCLOHEXANE | 4.291 | 56 | 44579 | 10.25 | UG/L | | 96 |
| 43) CARBON TETRACHLORIDE | 4.406 | 117 | 31288 | 9.64 | UG/L | | 100 |
| 44) 1,1-DICHLOROPROPENE | 4.411 | 75 | 30596 | 9.10 | UG/L | | 96 |
| 45) BENZENE | 4.615 | 78 | 99360 | 9.70 | UG/L | | 98 |
| 47) T-AMYLMETHYL ETHER | 4.757 | 73 | 78075 | 9.68 | UG/L | | 98 |
| 50) 1,2-DICHLOROETHANE | 4.640 | 62 | 36868 | 9.00 | UG/L | | 98 |
| 51) TRICHLOROETHENE | 5.256 | 95 | 23643 | 8.91 | UG/L | | 93 |
| 52) METHYLCYCLOHEXANE | 5.438 | 83 | 29240 | 9.23 | UG/L | | 97 |
| 53) 1,2-DICHLOROPROPANE | 5.479 | 63 | 27940 | 9.52 | UG/L | | 98 |

Data Path : C:\msdchem\1\data\C041423\
Data File : C22V10513.D
Acq On : 16 Apr 2023 12:27 pm
Operator :
Sample : 23D0848-01 @ MSD Inst : GCMSVOA3
Misc :
ALS Vial : 33 Sample Multiplier: 1



Quant Time: Apr 17 09:56:54 2023
Quant Method : C:\msdchem\1\methods\C080822.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
QLast Update : Thu Dec 08 06:26:11 2022
Response via : Initial Calibration

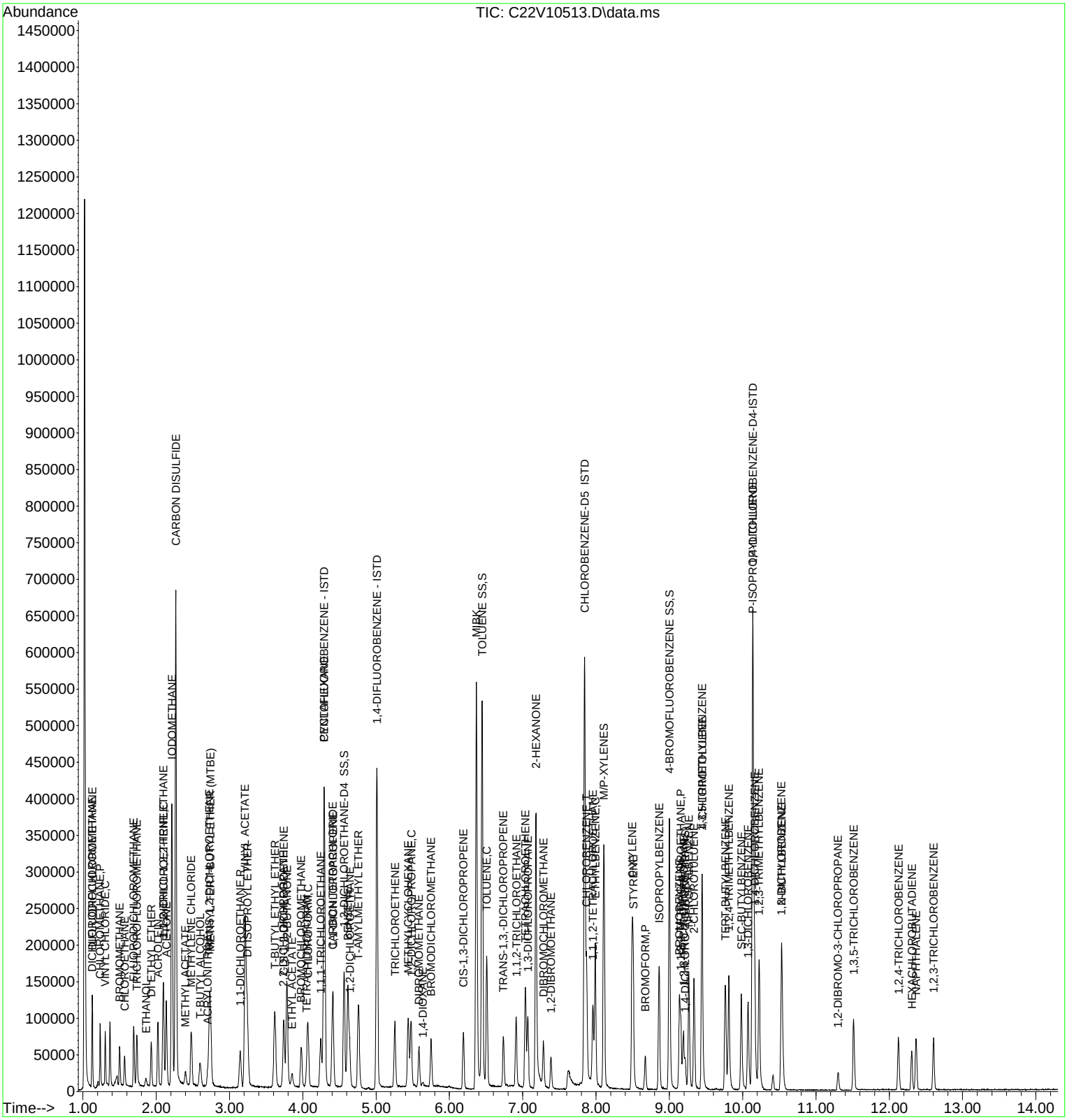
| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 54) DIBROMOMETHANE | 5.583 | 93 | 16304 | 8.52 | UG/L | | 91 |
| 56) 1,4-DIOXANE | 5.636 | 88 | 3527 | 77.80 | UG/L | # | 78 |
| 57) BROMODICHLOROMETHANE | 5.747 | 83 | 34329 | 9.09 | UG/L | # | 95 |
| 59) MIBK | 6.366 | 43 | 350095 | 88.86 | UG/L | | 96 |
| 60) CIS-1,3-DICHLOROPROPENE | 6.191 | 75 | 33315 | 7.34 | UG/L | | 95 |
| 61) TOLUENE | 6.508 | 91 | 101883 | 8.90 | UG/L | | 97 |
| 62) TRANS-1,3,-DICHLOROPRO... | 6.734 | 75 | 29121 | 7.45 | UG/L | | 91 |
| 64) 1,1,2-TRICHLOROETHANE | 6.913 | 97 | 23429 | 8.74 | UG/L | | 96 |
| 65) 2-HEXANONE | 7.181 | 43 | 249198 | 91.47 | UG/L | | 96 |
| 66) TETRACHLOROETHENE | 7.035 | 166 | 33114 | 12.31 | UG/L | | 95 |
| 67) 1,3-DICHLOROPROPANE | 7.069 | 76 | 43512 | 9.13 | UG/L | | 96 |
| 68) DIBROMOCHLOROMETHANE | 7.284 | 129 | 25758 | 7.99 | UG/L | | 99 |
| 69) 1,2-DIBROMOETHANE | 7.384 | 107 | 23982 | 8.36 | UG/L | | 99 |
| 72) CHLOROBENZENE | 7.869 | 112 | 65308 | 8.47 | UG/L | | 92 |
| 73) 1,1,1,2-TETRACHLOROETHANE | 7.956 | 131 | 23976 | 8.39 | UG/L | | 98 |
| 74) ETHYLBENZENE | 7.989 | 91 | 110413 | 8.86 | UG/L | | 94 |
| 75) M/P-XYLENES | 8.106 | 91 | 167203 | 17.18 | UG/L | | 98 |
| 76) 0-XYLENE | 8.494 | 91 | 86075 | 8.40 | UG/L | | 95 |
| 77) STYRENE | 8.508 | 104 | 68331 | 8.30 | UG/L | | 93 |
| 78) BROMOFORM | 8.670 | 173 | 18602 | 7.27 | UG/L | # | 96 |
| 79) ISOPROPYLBENZENE | 8.862 | 105 | 97111 | 8.29 | UG/L | | 96 |
| 81) 1,1,2,2-TETRACHLOROETHANE | 9.155 | 83 | 34614 | 7.71 | UG/L | | 98 |
| 82) 1,4-DICHLORO-2-BUTENE(... | 9.213 | 53 | 6875 | 5.86 | UG/L | | 91 |
| 83) BROMOBENZENE | 9.135 | 77 | 43800 | 8.57 | UG/L | | 89 |
| 84) 1,2,3-TRICHLOROPROPANE | 9.194 | 75 | 35486 | 9.64 | UG/L | # | 85 |
| 85) N-PROPYLBENZENE | 9.266 | 91 | 107711 | 8.22 | UG/L | | 97 |
| 86) 2-CHLOROT0LUENE | 9.336 | 91 | 70413 | 8.24 | UG/L | | 97 |
| 87) 1,3,5-TRIMETHYLBENZENE | 9.445 | 105 | 78866 | 8.21 | UG/L | | 94 |
| 88) 4-CHLOROTOLUENE | 9.448 | 91 | 81831 | 8.43 | UG/L | | 95 |
| 90) TERT-BUTYLBENZENE | 9.763 | 119 | 64362 | 8.61 | UG/L | | 94 |
| 91) 1,2,4-TRIMETHYLBENZENE | 9.813 | 105 | 78879 | 8.59 | UG/L | | 90 |
| 92) SEC-BUTYLBENZENE | 9.983 | 105 | 86591 | 8.68 | UG/L | | 95 |
| 93) 1,3-DICHLOROBENZENE | 10.072 | 146 | 45656 | 8.23 | UG/L | | 98 |
| 94) P-ISOPROPYLTOLUENE | 10.134 | 119 | 72003 | 8.40 | UG/L | | 97 |
| 95) 1,4-DICHLOROBENZENE | 10.164 | 146 | 46647 | 7.89 | UG/L | # | 92 |
| 96) 1,2,3-TRIMETHYLBENZENE | 10.223 | 105 | 91982 | 9.03 | UG/L | # | 100 |
| 97) N-BUTYLBENZENE | 10.535 | 91 | 58218 | 8.07 | UG/L | | 95 |
| 98) 1,2-DICHLOROBENZENE | 10.527 | 146 | 46716 | 8.27 | UG/L | | 96 |
| 99) 1,2-DIBROMO-3-CHLOROPR... | 11.299 | 75 | 5887 | 7.67 | UG/L | | 85 |
| 100) 1,3,5-TRICHLOROBENZENE | 11.514 | 180 | 28830 | 8.36 | UG/L | | 98 |
| 101) 1,2,4-TRICHLOROBENZENE | 12.128 | 180 | 21851 | 6.92 | UG/L | | 97 |
| 102) HEXACHLOROBUTADIENE | 12.309 | 225 | 10393 | 7.83 | UG/L | | 100 |
| 103) NAPHTHALENE | 12.367 | 128 | 52700 | 5.56 | UG/L | | 98 |
| 104) 1,2,3-TRICHLOROBENZENE | 12.604 | 180 | 19375 | 6.27 | UG/L | | 98 |

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

Data Path : C:\msdchem\1\data\C041423\
Data File : C22V10513.D
Acq On : 16 Apr 2023 12:27 pm
Operator :
Sample : 23D0848-01 @ MSD Inst : GCMSVOA3
Misc :
ALS Vial : 33 Sample Multiplier: 1



Quant Time: Apr 17 09:56:54 2023
Quant Method : C:\msdchem\1\methods\C080822.M
Quant Title : 8260 WATER 5MLS VOAMS 5973 #3
QLast Update : Thu Dec 08 06:26:11 2022
Response via : Initial Calibration



## VOC DEPARTMENT | PREPARATION BENCH SHEET

B337043

**CON-TEST ANALYTICAL LABORATORY**

**Printed: 4/18/2023 11:51:52AM**

**Matrix: Water** **Prepared using: VOC - SW-846 5030B** **Surrogate used: 2303317**

| 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 23D0631-18 | TW-7I | | 8260 ASP DEC TCL | 04/27/23 15:30 | 15 | 5 | 5 | | | | Refrigerator 45-2C | Cat B rpt to MDL |
| 23D0631-21 | TW-9D | | 8260 ASP DEC TCL | 04/27/23 15:30 | 15 | 5 | 5 | | | | Refrigerator 45-2C | Cat B rpt to MDL |
| 23D0631-22 | TW-10D | | 8260 ASP DEC TCL | 04/27/23 15:30 | 15 | 5 | 5 | | | | Refrigerator 45-2C | Cat B rpt to MDL |
| 23D0631-23 | TW-12I | | 8260 ASP DEC TCL | 04/27/23 15:30 | 15 | 5 | 5 | | | | Refrigerator 45-2C | Cat B rpt to MDL |
| 23D0631-24 | TW-12D | | 8260 ASP DEC TCL | 04/27/23 15:30 | 15 | 5 | 5 | | | | Refrigerator 45-2C | Cat B rpt to MDL |
| 23D0631-25 | TW-14S | | 8260 ASP DEC TCL | 04/27/23 15:30 | 15 | 5 | 5 | | | | Refrigerator 45-2C | Cat B rpt to MDL |
| 23D0631-26 | TW-14I | | 8260 ASP DEC TCL | 04/27/23 15:30 | 15 | 5 | 5 | | | | Refrigerator 45-2C | Cat B rpt to MDL |
| 23D0631-27 | TW-14D | | 8260 ASP DEC TCL | 04/27/23 15:30 | 15 | 5 | 5 | | | | Refrigerator 45-2C | Cat B rpt to MDL |
| 23D0631-28 | TW-15 | | 8260 ASP DEC TCL | 04/27/23 15:30 | 15 | 5 | 5 | | | | Refrigerator 45-2C | Cat B rpt to MDL |
| 23D0631-29 | TW-X-DUP-1 | | 8260 ASP DEC TCL | 04/27/23 15:30 | 15 | 5 | 5 | | | | Refrigerator 45-2C | Cat B rpt to MDL |
| 23D0631-30 | TW-X-DUP-2 | | 8260 ASP DEC TCL | 04/27/23 15:30 | 15 | 5 | 5 | | | | Refrigerator 45-2C | Cat B rpt to MDL |
| 23D0631-31 | MW-2 | | 8260 ASP DEC TCL | 04/27/23 15:30 | 15 | 5 | 5 | | | | Refrigerator 45-2C | Cat B rpt to MDL |
| 23D0631-32 | Trip Blank | | 8260 ASP DEC TCL | 04/27/23 15:30 | 15 | 5 | 5 | | | | Refrigerator 45-2C | Cat B rpt to MDL |
| 23D0631-33 | FB-X | | 8260 ASP DEC TCL | 04/27/23 15:30 | 15 | 5 | 5 | | | | Refrigerator 45-2C | Cat B rpt to MDL |
| 23D0848-02 | DUP-1 | | 8260 ASP DEC TCL | 04/27/23 15:30 | 14 | 5 | 5 | | | | Refrigerator 45-2I | |
| 23D0848-03 | MW-26S | | 8260 ASP DEC TCL | 04/27/23 15:30 | 14 | 5 | 5 | | | | Refrigerator 45-2I | |
| 23D0848-04 | MW-25S | | 8260 ASP DEC TCL | 04/27/23 15:30 | 14 | 5 | 5 | | | | Refrigerator 45-2I | |
| 23D0848-05 | MW-23D | | 8260 ASP DEC TCL | 04/27/23 15:30 | 14 | 5 | 5 | | | | Refrigerator 45-2I | |
| 23D0848-06 | Trip Blank | | 8260 ASP DEC TCL | 04/27/23 15:30 | 14 | 5 | 5 | | | | Refrigerator 45-2I | |
| B337043-BLK1 | Blank | | QC | | | 5 | 5 | | | | | |
| B337043-BS1 | LCS | | QC | | | 5 | 5 | 2304020 | | 5 | | |
| B337043-BSD1 | LCS Dup | | QC | | | 5 | 5 | 2304020 | | 5 | | |
| B337043-MS1 | Matrix Spike | | QC | | | 5 | 5 | 2304020 | 23D0631-18 | 5 | | |

301

Spiking Witnessed By Date

Preparation Reviewed By Date

Extracts Received By Date

## VOC DEPARTMENT | PREPARATION BENCH SHEET

B337043

**CON-TEST ANALYTICAL LABORATORY**

**Printed: 4/18/2023 11:51:52AM**

**Matrix: Water** **Prepared using: VOC - SW-846 5030B** **Surrogate used: 2303317**

| 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| B337043-MSD1 | Matrix Spike Dup | | QC | | | 5 | 5 | 2304020 | 23D0631-18 | 5 | | |

**4/13/23#3 1ST**

302

Spiking Witnessed By Date

Preparation Reviewed By Date

Extracts Received By Date

## VOC DEPARTMENT | PREPARATION BENCH SHEET

B337044

**CON-TEST ANALYTICAL LABORATORY**

**Printed: 4/17/2023 1:51:01PM**

**Matrix: Water** **Prepared using: VOC - SW-846 5030B** **Surrogate used: 2303317**

| 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 23D0848-01 | MW-27S | | 8260 ASP DEC TCL | 04/27/23 15:30 | 14 | 5 | 5 | | | | Refrigerator 45-2I | |
| 23D0848-01 | MW-27S | | vely Identified Compo | | 14 | 5 | 5 | | | | Refrigerator 45-2I | ded for BatchQC in: B337 |
| 23D0854-09 | TRIP BLANK | | 8260 ASP DEC TCL | 04/28/23 15:30 | 15 | 5 | 5 | | | | Refrigerator 45-2J | Cat B rpt to MDL |
| 23D0854-09 | TRIP BLANK | | vely Identified Compo | 04/28/23 15:30 | 15 | 5 | 5 | | | | Refrigerator 45-2J | Cat B rpt to MDL |
| 23D0949-02 | EDC-IDW-L04 | | 8260 ASP DEC TCL | 05/01/23 15:30 | 15 | 5 | 5 | | | | Refrigerator 45-2N | CAT B - Report to MDL |
| 23D1074-01 | Well 1-2A | | 8260 ASP DEC TCL | 05/02/23 15:30 | 15 | 5 | 5 | | | | Refrigerator 45-2O | & TMB, CAT B - Report t |
| 23D1074-02 | Well 1-3 | | 8260 ASP DEC TCL | 05/02/23 15:30 | 15 | 5 | 5 | | | | Refrigerator 45-2O | & TMB, CAT B - Report t |
| 23D1074-03 | Trip Blank | | 8260 ASP DEC TCL | 05/02/23 15:30 | 15 | 5 | 5 | | | | Refrigerator 45-2O | & TMB, CAT B - Report t |
| 23D1110-01 | OW-1-041023 | | 8260 ASP DEC TCL | 05/02/23 15:30 | 15 | 5 | 5 | | | | Refrigerator 45-2O | |
| 23D1110-02 | MW-114-041023 | | 8260 ASP DEC TCL | 05/02/23 15:30 | 15 | 5 | 5 | | | | Refrigerator 45-2O | |
| 23D1110-03 | MW-117-041023 | | 8260 ASP DEC TCL | 05/02/23 15:30 | 15 | 5 | 5 | | | | Refrigerator 45-2O | |
| 23D1110-04 | MW-6-041023 | | 8260 ASP DEC TCL | 05/02/23 15:30 | 15 | 5 | 5 | | | | LOG-IN | |
| 23D1110-05 | TB-041023 | | 8260 ASP DEC TCL | 05/02/23 15:30 | 15 | 5 | 5 | | | | Refrigerator 45-2O | |
| 23D1282-01 | MW-103-041123 | | 8260 ASP DEC TCL | 05/03/23 15:30 | 15 | 5 | 5 | | | | Refrigerator 45-2S | |
| 23D1282-02 | MW-112-041123 | | 8260 ASP DEC TCL | 05/03/23 15:30 | 15 | 5 | 5 | | | | Refrigerator 45-2S | |
| 23D1282-03 | PZ-6-041123 | | 8260 ASP DEC TCL | 05/03/23 15:30 | 15 | 5 | 5 | | | | Refrigerator 45-2S | |
| 23D1282-04 | MW-4-041123 | | 8260 ASP DEC TCL | 05/03/23 15:30 | 15 | 5 | 5 | | | | Refrigerator 45-2S | |
| 23D1282-05 | MW-107-041123 | | 8260 ASP DEC TCL | 05/03/23 15:30 | 15 | 5 | 5 | | | | Refrigerator 45-2S | |
| 23D1282-06 | MW-105D-041123 | | 8260 ASP DEC TCL | 05/03/23 15:30 | 15 | 5 | 5 | | | | Refrigerator 45-2S | |
| 23D1282-07 | MW-116-041123 | | 8260 ASP DEC TCL | 05/03/23 15:30 | 15 | 5 | 5 | | | | Refrigerator 45-2S | |
| 23D1282-08 | MW-106D-041123 | | 8260 ASP DEC TCL | 05/03/23 15:30 | 15 | 5 | 5 | | | | Refrigerator 45-2S | |
| B337044-BLK1 | Blank | | QC | | | 5 | 5 | | | | | |
| B337044-BS1 | LCS | | QC | | | 5 | 5 | 2304020 | | 5 | | |

303

Spiking Witnessed By Date

Preparation Reviewed By Date

Extracts Received By Date

## VOC DEPARTMENT | PREPARATION BENCH SHEET

B337044

**CON-TEST ANALYTICAL LABORATORY**

**Printed: 4/17/2023 1:51:01PM**

**Matrix: Water** **Prepared using: VOC - SW-846 5030B** **Surrogate used: 2303317**

| 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| B337044-BSD1 | LCS Dup | | QC | | | 5 | 5 | 2304020 | | 5 | | |
| B337044-MS1 | Matrix Spike | | QC | | | 5 | 5 | 2304020 | 23D0848-01 | 5 | | |
| B337044-MSD1 | Matrix Spike Dup | | QC | | | 5 | 5 | 2304020 | 23D0848-01 | 5 | | |

**4/14/23#3 4TH**

304

Spiking Witnessed By Date

Preparation Reviewed By Date

Extracts Received By Date

C:\msdchem\1\data\C041323\

| Date | Filename | Lab ID | Sample Info | |
|---|---|---|---|---|
| 13 Apr 2023 10:13 am | C22V10301.D | PRIME | | |
| 13 Apr 2023 10:39 am | C22V10302.D | BFB/8260 STD 10PPB 2303196 | | pH<2 |
| 13 Apr 2023 11:06 am | C22V10303.D | B0BS1 | | |
| 13 Apr 2023 11:32 am | C22V10304.D | B0BSD1 | | |
| 13 Apr 2023 11:59 am | C22V10305.D | BLK | | |
| 13 Apr 2023 12:26 pm | C22V10306.D | BLK | | |
| 13 Apr 2023 12:52 pm | C22V10307.D | B0BLK1 | | |
| 13 Apr 2023 1:19 pm | C22V10308.D | 23D0631-32 | | |
| 13 Apr 2023 1:45 pm | C22V10309.D | 23D0848-06 | | |
| 13 Apr 2023 2:12 pm | C22V10310.D | 23D0631-18 | | |
| 13 Apr 2023 2:39 pm | C22V10311.D | 23D0631-21 | | |
| 13 Apr 2023 3:06 pm | C22V10312.D | 23D0631-22 | | |
| 13 Apr 2023 3:32 pm | C22V10313.D | 23D0631-23 | | |
| 13 Apr 2023 3:59 pm | C22V10314.D | 23D0631-24 | | |
| 13 Apr 2023 4:25 pm | C22V10315.D | 23D0631-25 | | |
| 13 Apr 2023 4:52 pm | C22V10316.D | 23D0631-26 | | |
| 13 Apr 2023 5:19 pm | C22V10317.D | 23D0631-27 | | |
| 13 Apr 2023 5:45 pm | C22V10318.D | 23D0631-28 | | |
| 13 Apr 2023 6:12 pm | C22V10319.D | 23D0631-29 | | |
| 13 Apr 2023 6:39 pm | C22V10320.D | 23D0631-30 | | |
| 13 Apr 2023 7:05 pm | C22V10321.D | 23D0631-31 | | |
| 13 Apr 2023 7:32 pm | C22V10322.D | 23D0631-33 | | |
| 13 Apr 2023 7:59 pm | C22V10323.D | 23D0848-02 | | |
| 13 Apr 2023 8:25 pm | C22V10324.D | 23D0848-05 | | |
| 13 Apr 2023 8:52 pm | C22V10325.D | 23D0848-03 @ 4X | 4 | |
| 13 Apr 2023 9:19 pm | C22V10326.D | 23D0848-04 @ 4X | 4 | |
| 13 Apr 2023 9:45 pm | C22V10327.D | 23D0631-18 @ MS | | |
| 13 Apr 2023 10:12 pm | C22V10328.D | 23D0631-18 @ MSD | | |
| 13 Apr 2023 10:39 pm | C22V10329.D | PRIME | | |
| 13 Apr 2023 11:05 pm | C22V10330.D | BFB/8260STD 10PPB 2303196 | | |
| 13 Apr 2023 11:32 pm | C22V10331.D | B0-BS1 | | |
| 13 Apr 2023 11:58 pm | C22V10332.D | B0-BSD1 | | |
| 14 Apr 2023 12:25 am | C22V10333.D | BLK | | |
| 14 Apr 2023 12:52 am | C22V10334.D | BLK | | |
| 14 Apr 2023 1:18 am | C22V10335.D | B0-BLK1 | | |
| 14 Apr 2023 1:45 am | C22V10336.D | 23D0896-02 | | |
| 14 Apr 2023 2:12 am | C22V10337.D | 23D0896-03 | | |
| 14 Apr 2023 2:39 am | C22V10338.D | 23D0896-05 | | |
| 14 Apr 2023 3:05 am | C22V10339.D | 23D0896-06 | | |
| 14 Apr 2023 3:32 am | C22V10340.D | 23D0896-07 | | |
| 14 Apr 2023 3:59 am | C22V10341.D | 23D0896-01 | | |
| 14 Apr 2023 4:25 am | C22V10342.D | 23D0896-04 | | |
| 14 Apr 2023 4:52 am | C22V10343.D | 23D0872-02 | | |
| 14 Apr 2023 5:18 am | C22V10344.D | 23D0872-03 | | |
| | C22V10345.D | | | |

C:\msdchem\1\data\C041423\

| Date | Filename | Lab ID | Sample Info |
|---|---|---|---|
| 14 Apr 2023 10:42 am | C22V10401.D | PRIME | |
| 14 Apr 2023 11:09 am | C22V10402.D | BFB/8260 STD 10PPB 2303196 | |
| 14 Apr 2023 11:35 am | C22V10403.D | B0BS1 | |
| 14 Apr 2023 12:02 pm | C22V10404.D | B0BSD1 | |
| 14 Apr 2023 12:29 pm | C22V10405.D | BLK | |
| 14 Apr 2023 12:55 pm | C22V10406.D | BLK | |
| 14 Apr 2023 1:22 pm | C22V10407.D | B0BLK1 | |
| 14 Apr 2023 1:49 pm | C22V10408.D | 23D0946-03 | |
| 14 Apr 2023 2:16 pm | C22V10409.D | 23D1050-01 | |
| 14 Apr 2023 2:42 pm | C22V10410.D | 23D1050-02 | |
| 14 Apr 2023 3:09 pm | C22V10411.D | 23D1050-03 | |
| 14 Apr 2023 3:35 pm | C22V10412.D | 23D1050-04 | |
| 14 Apr 2023 4:02 pm | C22V10413.D | 23D1050-05 | |
| 14 Apr 2023 4:29 pm | C22V10414.D | 23D1050-06 | |
| 14 Apr 2023 4:55 pm | C22V10415.D | 23D1050-07 | |
| 14 Apr 2023 5:22 pm | C22V10416.D | 23D1050-08 | |
| 14 Apr 2023 5:49 pm | C22V10417.D | 23D1050-09 | |
| 14 Apr 2023 6:15 pm | C22V10418.D | 23D1103-02 | |
| 14 Apr 2023 6:42 pm | C22V10419.D | 23D1103-03 | |
| 14 Apr 2023 7:08 pm | C22V10420.D | 23D1103-04 | |
| 14 Apr 2023 7:35 pm | C22V10421.D | 23D1103-05 | |
| 14 Apr 2023 8:02 pm | C22V10422.D | 23D1173-01 | |
| 14 Apr 2023 8:28 pm | C22V10423.D | 23D1173-02 | |
| 14 Apr 2023 8:55 pm | C22V10424.D | 23D1173-03 | |
| 14 Apr 2023 9:22 pm | C22V10425.D | 23D1387-01 @ 50X MEOH | 50 |
| 14 Apr 2023 9:48 pm | C22V10426.D | 23D0946-02 | |
| 14 Apr 2023 10:15 pm | C22V10427.D | 23D1103-01 @ 5X | 5 |
| 14 Apr 2023 10:42 pm | C22V10428.D | 23D0624-05 @ 50X MEOH | 50 |
| 14 Apr 2023 11:08 pm | C22V10429.D | PRIME | |
| 14 Apr 2023 11:35 pm | C22V10430.D | BFB | |
| 15 Apr 2023 12:02 am | C22V10431.D | 8260STD 10PPB 2303196 | |
| 15 Apr 2023 12:29 am | C22V10432.D | B0-BS1 | |
| 15 Apr 2023 12:55 am | C22V10433.D | B0-BSD1 | |
| 15 Apr 2023 1:22 am | C22V10434.D | BLK | |
| 15 Apr 2023 1:48 am | C22V10435.D | BLK | |
| 15 Apr 2023 2:15 am | C22V10436.D | B0-BLK1 | |
| 15 Apr 2023 2:42 am | C22V10437.D | 23D1283-01 | |
| 15 Apr 2023 3:08 am | C22V10438.D | 23D1283-03 | |
| 15 Apr 2023 3:35 am | C22V10439.D | 23D1283-04 | |
| 15 Apr 2023 4:01 am | C22V10440.D | 23D1283-05 | |
| 15 Apr 2023 4:28 am | C22V10441.D | 23D1283-06 | |
| 15 Apr 2023 4:55 am | C22V10442.D | 23D1283-07 | |
| 15 Apr 2023 5:21 am | C22V10443.D | 23D1283-08 | |
| 15 Apr 2023 5:48 am | C22V10444.D | 23D1283-11 | |
| 15 Apr 2023 6:15 am | C22V10445.D | 23D1283-12 | |
| 15 Apr 2023 6:41 am | C22V10446.D | 23D1287-01 | |
| 15 Apr 2023 7:08 am | C22V10447.D | 23D1287-02 | |
| 15 Apr 2023 7:35 am | C22V10448.D | 23D1287-03 | |
| 15 Apr 2023 8:01 am | C22V10449.D | 23D1411-01 | |
| 15 Apr 2023 8:28 am | C22V10450.D | 23D1412-01 | |
| 15 Apr 2023 8:55 am | C22V10451.D | 23D1414-01 | |
| 15 Apr 2023 9:21 am | C22V10452.D | 23D1283-10 | |
| 15 Apr 2023 9:48 am | C22V10453.D | 23D0850-06 @ 4X | 4 |
| 15 Apr 2023 10:15 am | C22V10454.D | 23D1283-02 @ 500X | 500 |
| 15 Apr 2023 10:41 am | C22V10455.D | 23D1283-09 @ 40X | 40 |
| 15 Apr 2023 11:08 am | C22V10456.D | 23D1291-01 @ 5X | 5 |
| 15 Apr 2023 11:35 am | C22V10457.D | PRIME | |
| 15 Apr 2023 12:01 pm | C22V10458.D | BFB | |
| 15 Apr 2023 12:28 pm | C22V10459.D | 8260STD 10PPB 2303196 | |
| 15 Apr 2023 12:55 pm | C22V10460.D | B0-BS1 | |
| 15 Apr 2023 1:21 pm | C22V10461.D | B0-BSD1 | |
| 15 Apr 2023 1:48 pm | C22V10462.D | BLK | |
| 15 Apr 2023 2:15 pm | C22V10463.D | BLK | |
| 15 Apr 2023 2:41 pm | C22V10464.D | B0-BLK1 | |

pH<2
Except:
23D1282-08 pH 4
23C3475-08 pH 5

C:\msdchem\1\data\C041423\

| Date | Filename | Lab ID | Sample Info |
|---|---|---|---|
| 15 Apr 2023 3:08 pm | C22V10465.D | 23D1401-05 | |
| 15 Apr 2023 3:35 pm | C22V10466.D | 23D1282-10 | |
| 15 Apr 2023 4:01 pm | C22V10467.D | 23D1416-02 | |
| 15 Apr 2023 4:28 pm | C22V10468.D | 23D1416-03 | |
| 15 Apr 2023 4:55 pm | C22V10469.D | 23D1416-06 | |
| 15 Apr 2023 5:21 pm | C22V10470.D | 23D1416-07 | |
| 15 Apr 2023 5:48 pm | C22V10471.D | 23D1401-01 | |
| 15 Apr 2023 6:14 pm | C22V10472.D | 23D1401-02 | |
| 15 Apr 2023 6:41 pm | C22V10473.D | 23D1401-03 | |
| 15 Apr 2023 7:08 pm | C22V10474.D | 23D1401-04 | |
| 15 Apr 2023 7:34 pm | C22V10475.D | 23D1373-02 | |
| 15 Apr 2023 8:01 pm | C22V10476.D | 23D1373-01 | |
| 15 Apr 2023 8:28 pm | C22V10477.D | 23D1416-01 @ 2X M | 2 |
| 15 Apr 2023 8:54 pm | C22V10478.D | 23D1282-09 @ 2X | 2 |
| 15 Apr 2023 9:21 pm | C22V10479.D | 23D1416-05 | |
| 15 Apr 2023 9:48 pm | C22V10480.D | 23D1416-04 @ 4X | 4 |
| 15 Apr 2023 10:14 pm | C22V10481.D | BLK | |
| 15 Apr 2023 10:41 pm | C22V10482.D | 23D1378-01 @ 100X | 100 |
| 15 Apr 2023 11:08 pm | C22V10483.D | BLK | |
| 15 Apr 2023 11:34 pm | C22V10484.D | 23D1421-02 @ 50X MEOH OILY | 50 |
| 16 Apr 2023 12:01 am | C22V10485.D | PRIME | |
| 16 Apr 2023 12:28 am | C22V10486.D | 8260STD 10PPB 2303196 | |
| 16 Apr 2023 12:54 am | C22V10487.D | 8260STD 10PPB 2303196 | |
| 16 Apr 2023 1:21 am | C22V10488.D | B0-BS1 | |
| 16 Apr 2023 1:48 am | C22V10489.D | B0-BSD1 | |
| 16 Apr 2023 2:14 am | C22V10490.D | BLK | |
| 16 Apr 2023 2:41 am | C22V10491.D | BLK | |
| 16 Apr 2023 3:08 am | C22V10492.D | B0-BLK1 | |
| 16 Apr 2023 3:34 am | C22V10493.D | 23D0854-09 | |
| 16 Apr 2023 4:01 am | C22V10494.D | 23D1074-03 | |
| 16 Apr 2023 4:28 am | C22V10495.D | 23D1110-05 | |
| 16 Apr 2023 4:54 am | C22V10496.D | 23D0848-01 | |
| 16 Apr 2023 5:21 am | C22V10497.D | 23D0949-02 | |
| 16 Apr 2023 5:48 am | C22V10498.D | 23D1110-02 | |
| 16 Apr 2023 6:14 am | C22V10499.D | 23D1110-03 | |
| 16 Apr 2023 6:41 am | C22V10500.D | 23D1282-02 | |
| 16 Apr 2023 7:08 am | C22V10501.D | 23D1282-03 | |
| 16 Apr 2023 7:34 am | C22V10502.D | 23D1282-04 | |
| 16 Apr 2023 8:01 am | C22V10503.D | 23D1282-05 | |
| 16 Apr 2023 8:27 am | C22V10504.D | 23D1282-06 | |
| 16 Apr 2023 8:54 am | C22V10505.D | 23D1110-01 @ 2X F | 2 |
| 16 Apr 2023 9:21 am | C22V10506.D | 23D1110-04 @ 20X | 20 |
| 16 Apr 2023 9:47 am | C22V10507.D | 23D1074-01 | |
| 16 Apr 2023 10:14 am | C22V10508.D | 23D1074-02 | |
| 16 Apr 2023 10:41 am | C22V10509.D | 23D1282-07 @ 2X | 2 |
| 16 Apr 2023 11:07 am | C22V10510.D | 23D1282-08 @ 5X | 5 |
| 16 Apr 2023 11:34 am | C22V10511.D | 23D1282-01 | |
| 16 Apr 2023 12:00 pm | C22V10512.D | 23D0848-01 @ MS | |
| 16 Apr 2023 12:27 pm | C22V10513.D | 23D0848-01 @ MSD | |
| 16 Apr 2023 12:54 pm | C22V10514.D | BLK | |
| 16 Apr 2023 1:20 pm | C22V10515.D | BLK | |
| 16 Apr 2023 1:47 pm | C22V10516.D | 23C3475-04 | |
| 16 Apr 2023 2:14 pm | C22V10517.D | 23C3475-08 | |
| 16 Apr 2023 2:40 pm | C22V10518.D | 23C3475-09 | |

# WELL PURGING RECORD
# LOW-FLOW SAMPLING METHOD

| | | | |
|---|---|---|---|
| **Site:** | NYSDEC Franklin Street | **Tubing Diameter (ID):** | 0.25" |
| **Project #:** | 0901718 | **Initial Depth to Water (ft, TOC)** | 12.31 |
| **Date:** | 4/6/2023 | **Depth to Bottom of Well (ft, TOC)** | 18.30 |
| **Sampling Device:** | Peri-Pump | **Feet of Water in Well (ft)** | 5.99 |
| **Well ID:** | MW-25S | **Volume of Water in Well (gal)** | 3.00 |

**Meter(s):** YSI Pro DSS #211368

| Time | Depth to Water (ft, TOC) | Temperature (ºC) | pH | Specific Conductance (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) |
|---|---|---|---|---|---|---|---|
| 1155 | 12.31 | 11.9 | 7.62 | 4741 | 178.3 | 2.38 | 2.48 |
| 1200 | 12.31 | 12.0 | 7.62 | 4634 | 177.4 | 2.23 | 1.24 |
| 1205 | 12.31 | 11.8 | 7.63 | 4493 | 176.6 | 2.03 | 0.24 |
| 1210 | 12.31 | 11.9 | 7.64 | 4394 | 175.8 | 1.93 | 0.84 |
| 1215 | 12.31 | 11.9 | 7.64 | 4317 | 175.2 | 1.83 | 0.47 |
| 1220 | 12.31 | 11.7 | 7.64 | 4244 | 174.6 | 1.75 | 0.52 |
| 1225 | 12.31 | 11.8 | 7.64 | 4180 | 174.1 | 1.68 | 0.44 |
| 1230 | 12.31 | 11.7 | 7.64 | 4125 | 173.4 | 1.61 | 0.25 |
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| | | ±3% | ±0.1 | ±3% | ±10mV | ±10% or <0.5mg/L | ±10% or <5NTU |

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|---|---|---|---|---|
| Purge Start Time: | 1135 | Notes: | Sample Time | gal purged |
| Purge End Time: | 1240 | | 1240 | 2.5 Gal |
| Weather: | Cloudy 40s | | Purge rate 150 mL/min | |
| Purge/Sampled by: | BD | | Purge water: Clear to yellow tint | |

# WELL PURGING RECORD
# LOW-FLOW SAMPLING METHOD

| | | | |
|---|---|---|---|
| **Site:** | NYSDEC Franklin Street | **Tubing Diameter (ID):** | 0.25" |
| **Project #:** | 0901718 | **Initial Depth to Water (ft, TOC)** | 12.64 |
| **Date:** | 4/6/2023 | **Depth to Bottom of Well (ft, TOC)** | 18.30 |
| **Sampling Device:** | Peri-Pump | **Feet of Water in Well (ft)** | 5.66 |
| **Well ID:** | MW-26S | **Volume of Water in Well (gal)** | 3.00 |

**Meter(s):** YSI Pro DSS #211368

| Time | Depth to Water (ft, TOC) | Temperature (ºC) | pH | Specific Conductance (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) |
|---|---|---|---|---|---|---|---|
| 1020 | 12.69 | 11.2 | 7.65 | 4860 | 219.6 | 3.93 | 42.13 |
| 1025 | 12.69 | 11.5 | 7.64 | 4844 | 217.4 | 3.93 | 22.50 |
| 1030 | 12.69 | 11.7 | 7.63 | 4846 | 215.3 | 3.68 | 19.52 |
| 1035 | 12.69 | 11.7 | 7.64 | 4852 | 213.8 | 3.66 | 16.58 |
| 1040 | 12.69 | 11.7 | 7.63 | 4880 | 212.7 | 3.42 | 16.81 |
| 1045 | 12.69 | 11.50 | 7.63 | 4855 | 211.3 | 3.41 | 7.77 |
| 1050 | 12.69 | 11.30 | 7.63 | 4861 | 210.7 | 3.56 | 4.60 |
| 1055 | 12.69 | 11.40 | 7.63 | 4856 | 210.5 | 3.40 | 4.05 |
| 1100 | 12.69 | 11.50 | 7.62 | 4837 | 210.0 | 3.41 | 1.90 |
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| | | ±3% | ±0.1 | ±3% | ±10mV | ±10% or <0.5mg/L | ±10% or <5NTU |

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|---|---|---|---|---|
| Purge Start Time: | 1010 | Notes: | Sample Time | gal purged |
| Purge End Time: | 1105 | | 1105 | 2.5 Gal |
| Weather: | Cloudy 40s | | Purge water: light yellow to clear | |
| Purge/Sampled by: | BD | | Purge Rate: 150 mL/min | |

# WELL PURGING RECORD
# LOW-FLOW SAMPLING METHOD

| | | | |
|---|---|---|---|
| **Site:** | NYSDEC Franklin Street | **Tubing Diameter (ID):** | 0.25" |
| **Project #:** | 0901718 | **Initial Depth to Water (ft, TOC)** | 13.28 |
| **Date:** | 4/6/2023 | **Depth to Bottom of Well (ft, TOC)** | 18.30 |
| **Sampling Device:** | Peri-Pump | **Feet of Water in Well (ft)** | 5.02 |
| **Well ID:** | MW-27S | **Volume of Water in Well (gal)** | 3.00 |

**Meter(s):** YSI Pro DSS #211368

| Time | Depth to Water (ft, TOC) | Temperature (ºC) | pH | Specific Conductance (uS/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) |
|---|---|---|---|---|---|---|---|
| 0915 | 13.29 | 10.9 | 7.50 | 5925 | 211.8 | 5.62 | 4.96 |
| 0920 | 13.29 | 10.9 | 7.51 | 2907 | 211.2 | 5.62 | 4.26 |
| 0925 | 13.29 | 10.9 | 7.52 | 2893 | 210.1 | 5.60 | 2.02 |
| 0930 | 13.29 | 11.1 | 7.53 | 5893 | 208.6 | 5.55 | 0.51 |
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| | | ±3% | ±0.1 | ±3% | ±10mV | ±10% or <0.5mg/L | ±10% or <5NTU |

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|---|---|---|---|---|
| Purge Start Time: | 0855 | Notes: | Sample Time | gal purged |
| Purge End Time: | 0935 | | 0935 | 2 Gal |
| Weather: | Cloudy 40s | | Purge Rate 150 mL/min; Purge water: slight yellow to clear; DUP and MS/MSD collected | |
| Purge/Sampled by: | BD | | | |

# WELL PURGING RECORD
# LOW-FLOW SAMPLING METHOD

| | | | |
|---|---|---|---|
| **Site:** | NYSDEC Franklin Street | **Tubing Diameter (ID):** | 0.25" |
| **Project #:** | 0901718 | **Initial Depth to Water (ft, TOC)** | 11.43 |
| **Date:** | 4/6/2023 | **Depth to Bottom of Well (ft, TOC)** | 46.60 |
| **Sampling Device:** | Peri-Pump | **Feet of Water in Well (ft)** | 35.17 |
| **Well ID:** | MW-23D | **Volume of Water in Well (gal)** | 17.00 |

| | **Meter(s):** YSI Pro DSS #211368 | | | | | | |
|---|---|---|---|---|---|---|---|
| **Time** | **Depth to Water (ft, TOC)** | **Temperature (ºC)** | **pH** | **Specific Conductance (uS/cm)** | **ORP (mV)** | **DO (mg/L)** | **Turbidity (NTU)** |
| 1415 | 11.49 | 12.4 | 7.59 | 2568 | 132.0 | 2.17 | 8.38 |
| 1420 | 11.49 | 12.5 | 7.58 | 2566 | 132.5 | 2.23 | 5.58 |
| 1425 | 11.49 | 12.5 | 7.58 | 2566 | 132.5 | 2.05 | 3.14 |
| 1430 | 11.49 | 12.4 | 7.57 | 2566 | 132.4 | 1.95 | 2.09 |
| 1435 | 11.49 | 12.5 | 7.57 | 2566 | 132.3 | 1.75 | 0.92 |
| 1440 | 11.49 | 12.4 | 7.57 | 2568 | 131.8 | 1.73 | 0.23 |
| 1445 | 11.49 | 12.3 | 7.57 | 2567 | 131.4 | 1.70 | 0.30 |
| 1450 | 11.49 | 12.4 | 7.57 | 2566 | 130.8 | 1.68 | 0.01 |
| 1455 | 11.49 | 12.4 | 7.57 | 2563 | 130.0 | 1.75 | 0.06 |
| 1500 | 11.49 | 12.5 | 7.56 | 2564 | 129.4 | 1.71 | 0.35 |
| 1510 | 11.49 | 12.3 | 7.56 | 2564 | 128.7 | 1.75 | 0.21 |
| 1515 | 11.49 | 12.3 | 7.56 | 2563 | 128.0 | 1.75 | 0.42 |
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| | | | | | | | |
| | | ±3% | ±0.1 | ±3% | ±10mV | ±10% or <0.5mg/L | ±10% or <5NTU |

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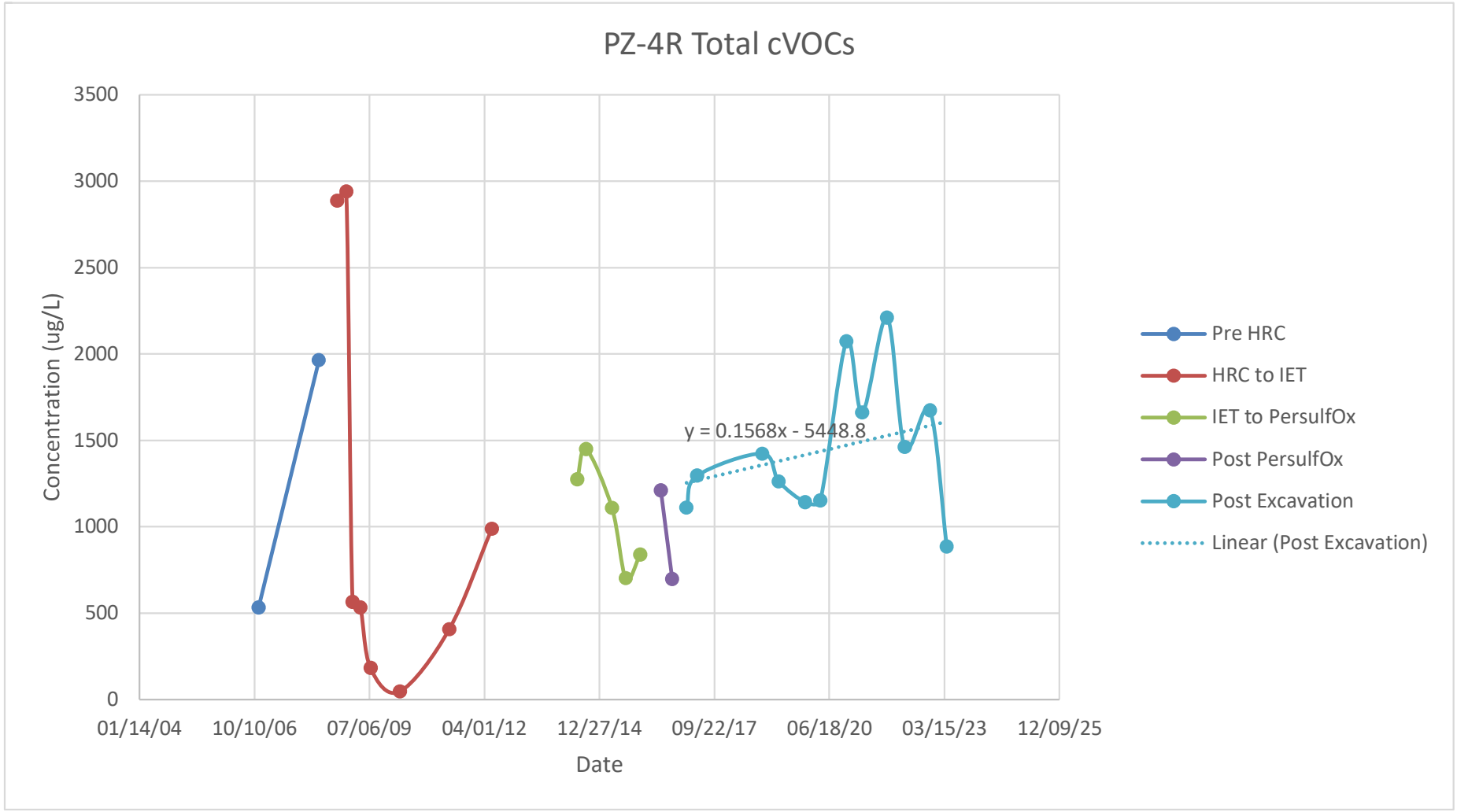
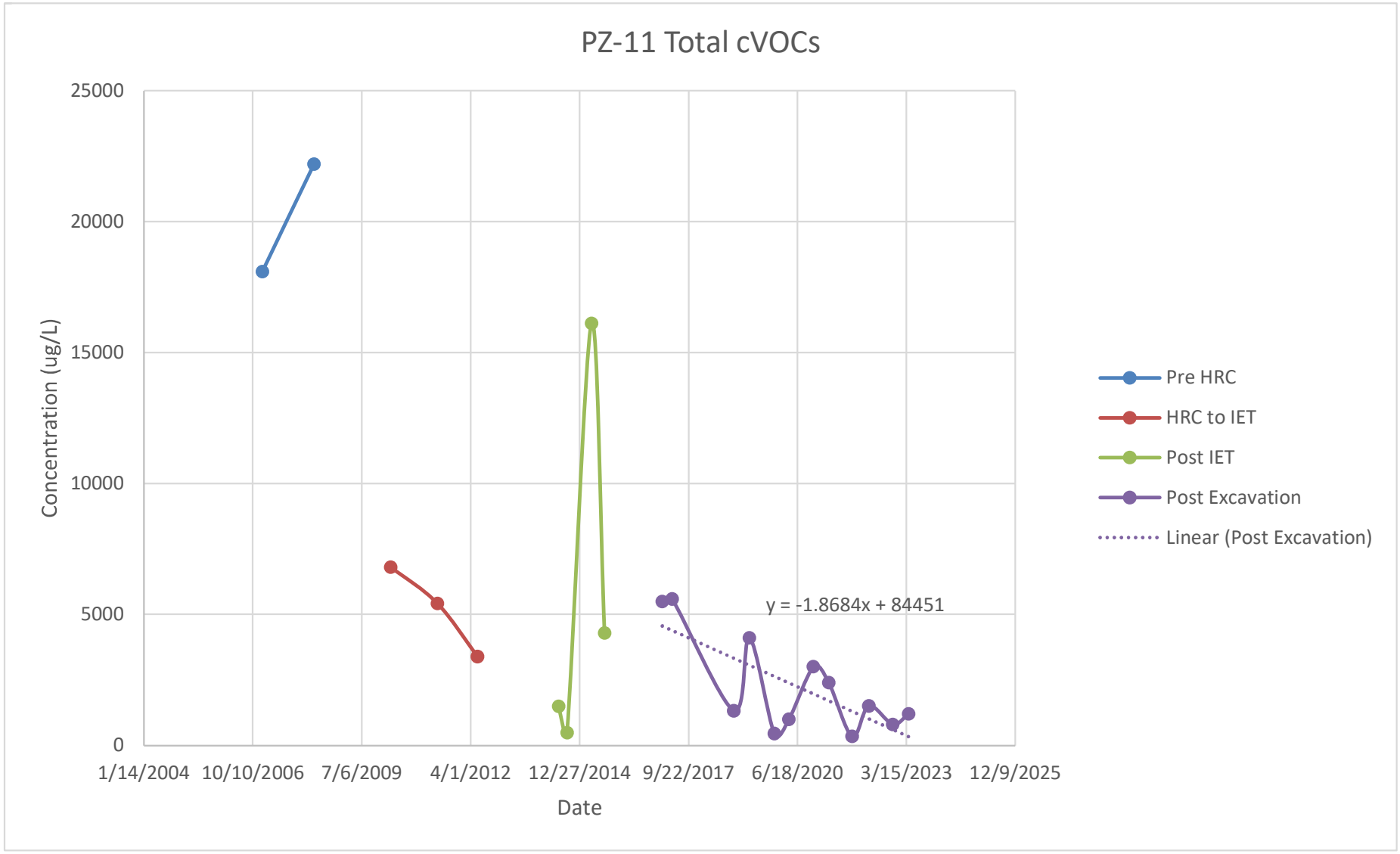
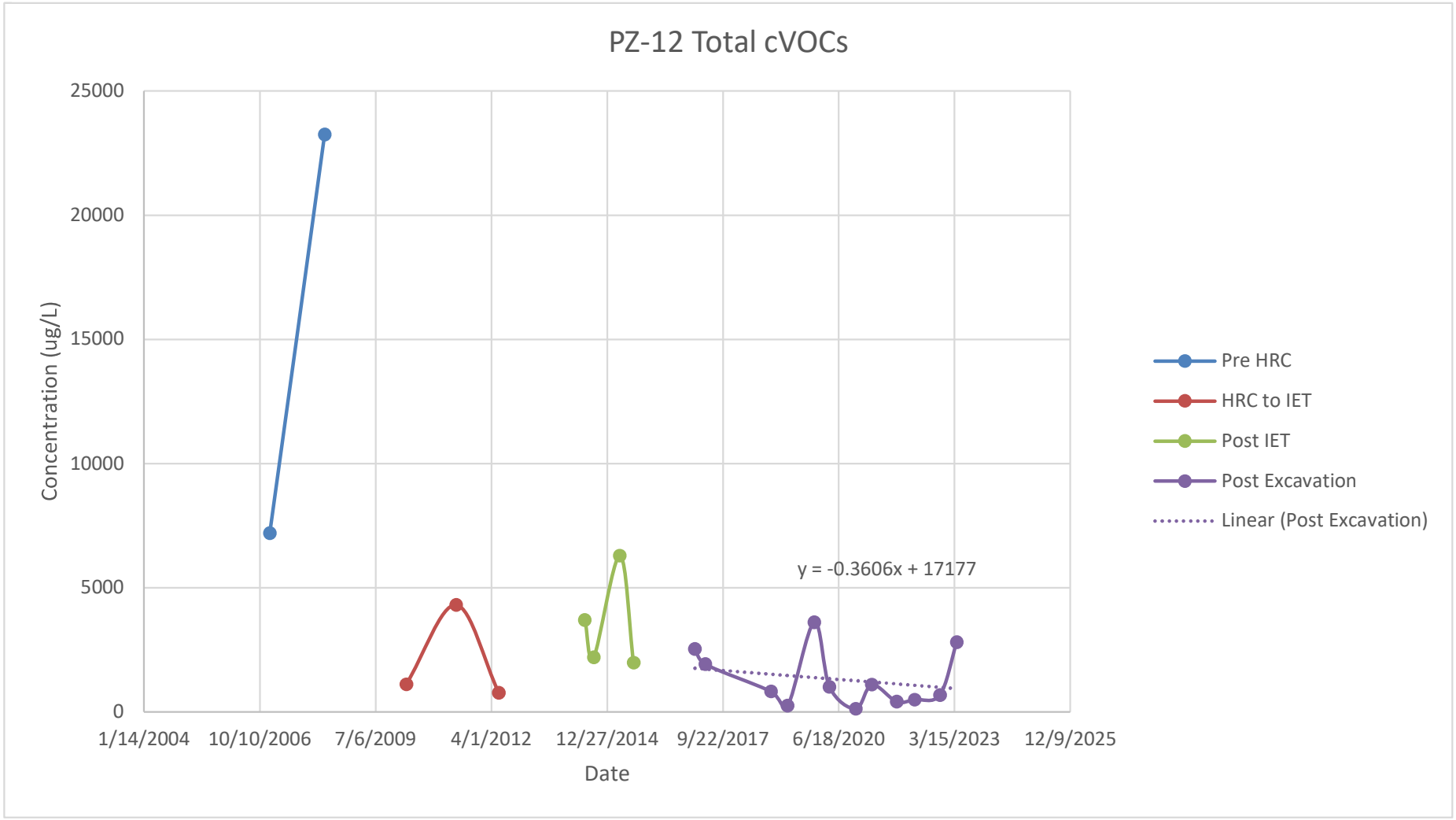
|---|---|---|---|---|
| Purge Start Time: | 1400 | Notes: | Sample Time | gal purged |
| Purge End Time: | 1515 | | 1515 | 6.5 Gal |
| Weather: | Cloudy 40s | | Purge Rate 300 mL/Min | |
| Purge/Sampled by: | BD | | Purge water lught brown to cleat | |

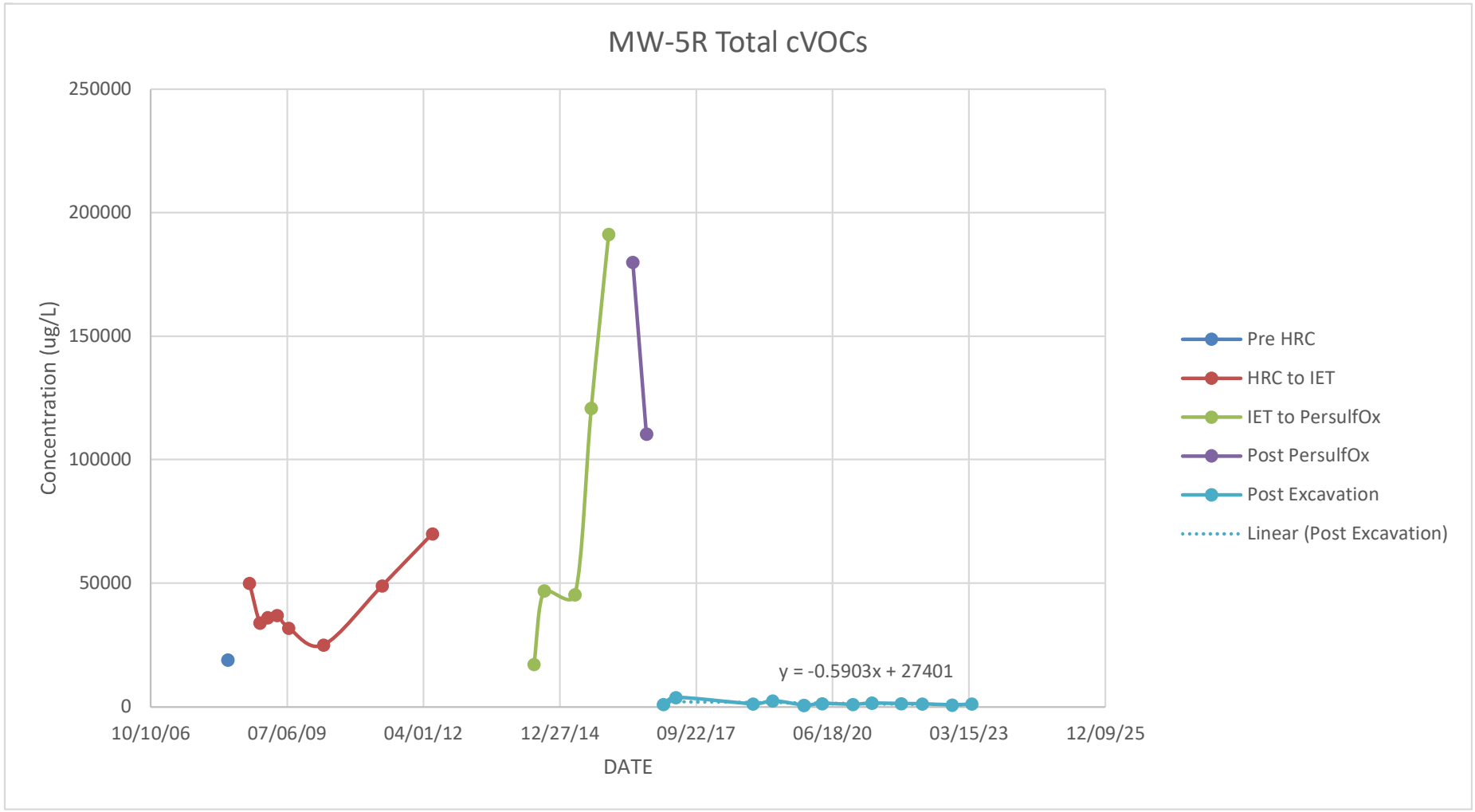
# APPENDIX E

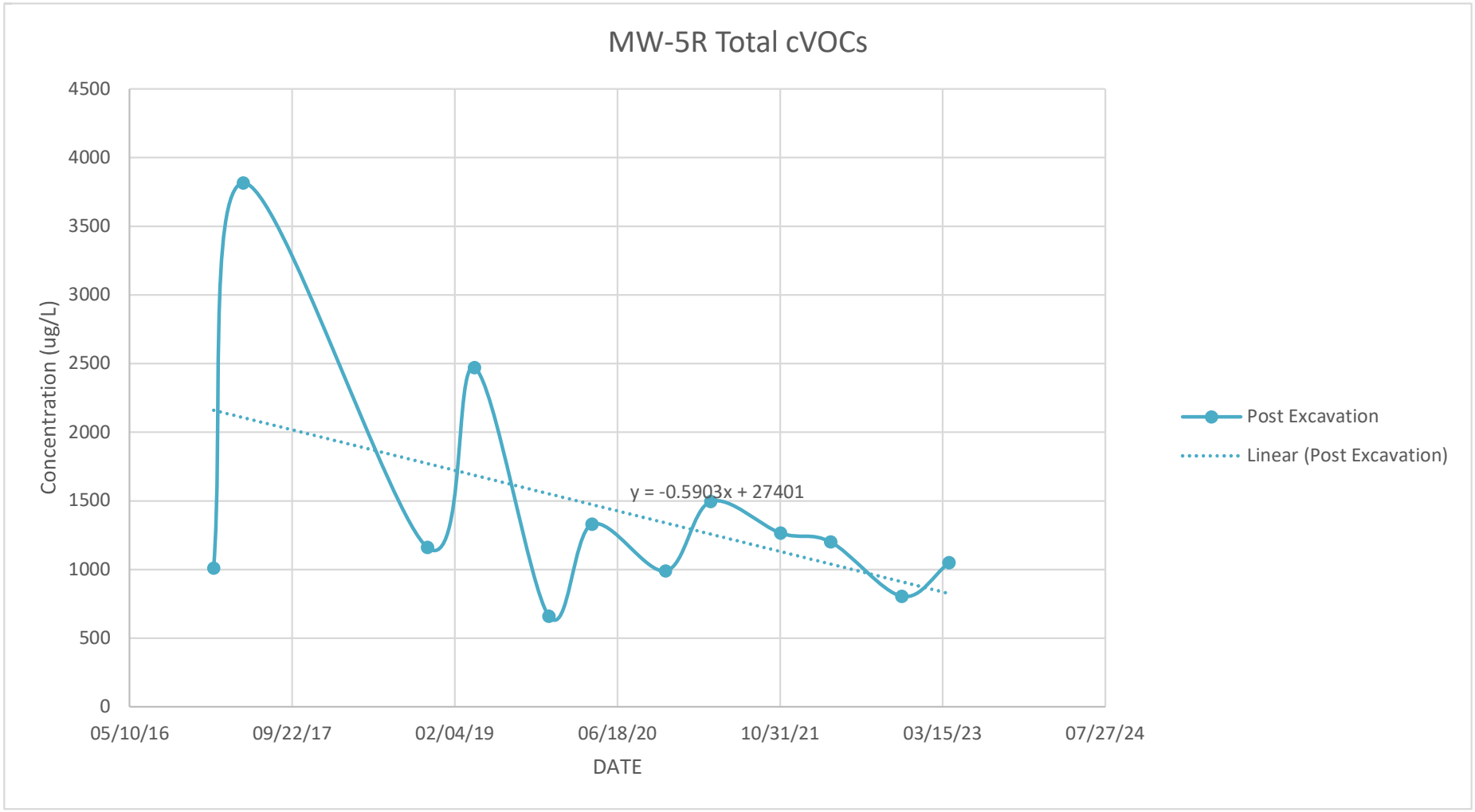
## GROUNDWATER MONITORING TREND CHARTS

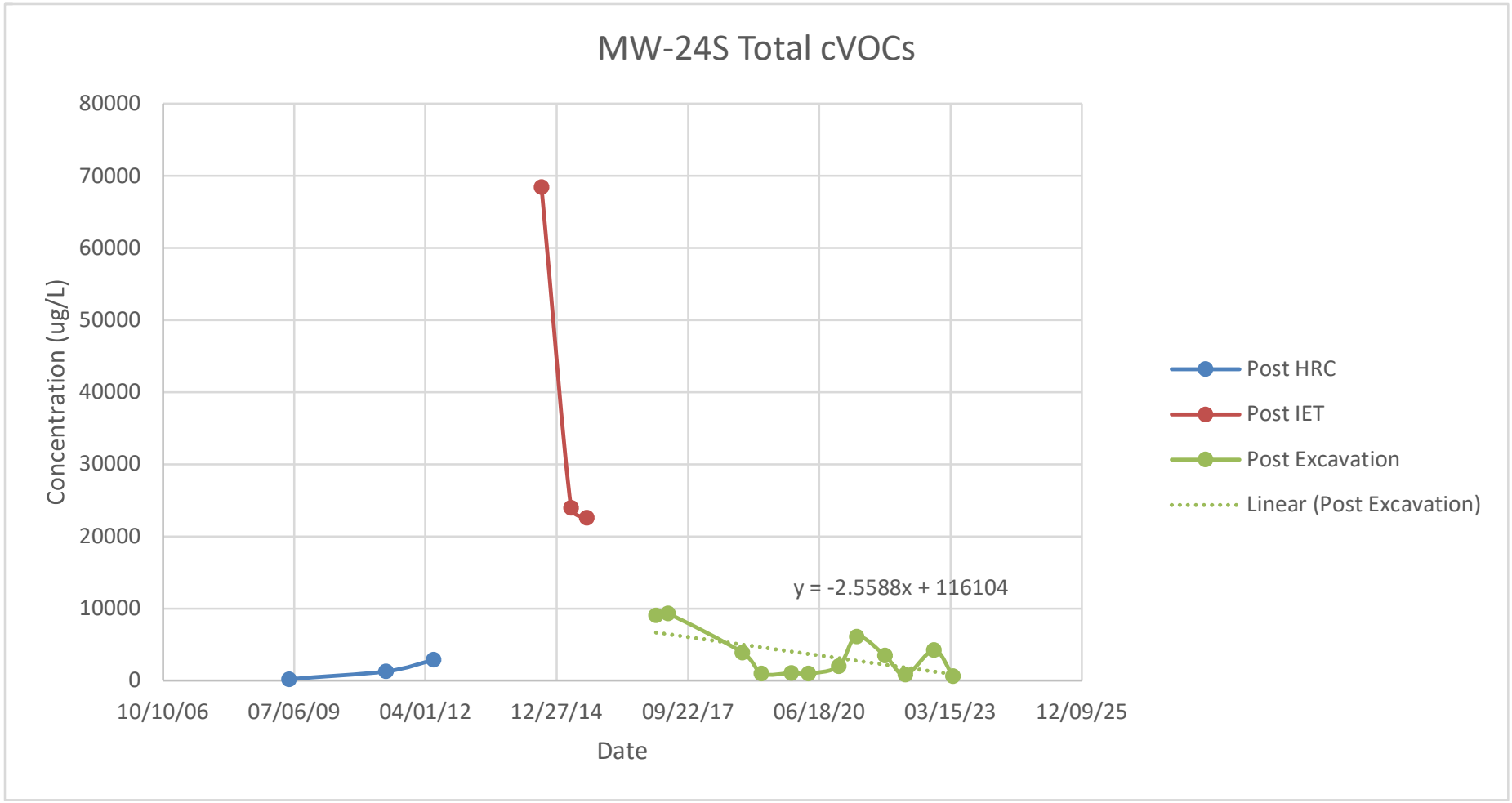

PZ-4R Total cVOCs
Concentration (ug/L)
3500
3000
2500
2000
1500
1000
500
0
01/14/04
10/10/06
07/06/09
04/01/12
12/27/14
09/22/17
06/18/20
03/15/23
12/09/25
Date
y = 0.1568x - 5448.8
Pre HRC
HRC to IET
IET to PersulfOx
Post PersulfOx
Post Excavation
Linear (Post Excavation)

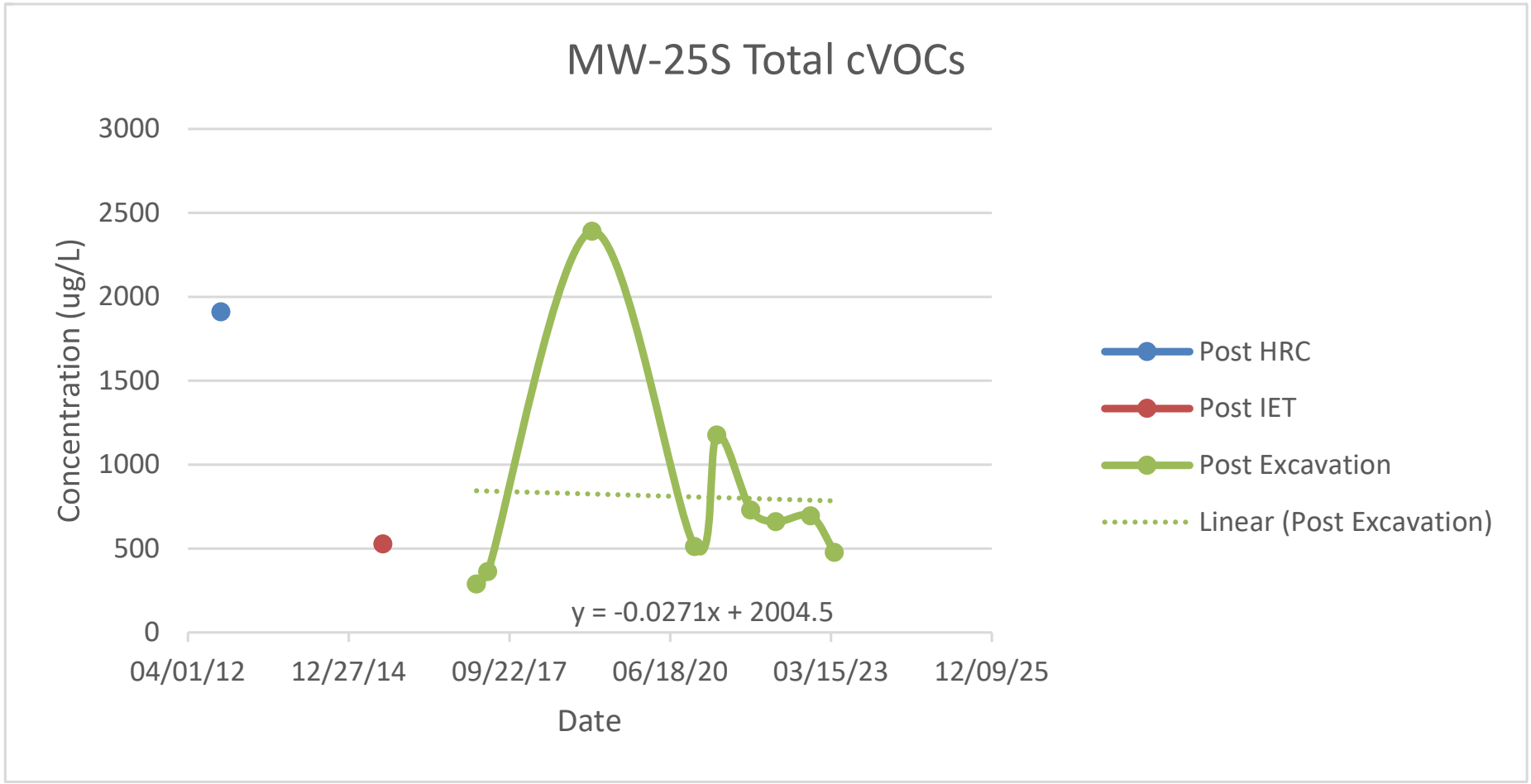

PZ-11 Total cVOCs
25000
20000
15000
10000
5000
0
Concentration (ug/L)
1/14/2004
10/10/2006
7/6/2009
4/1/2012
12/27/2014
9/22/2017
6/18/2020
3/15/2023
12/9/2025
Date
y = -1.8684x + 84451
Pre HRC
HRC to IET
Post IET
Post Excavation
Linear (Post Excavation)

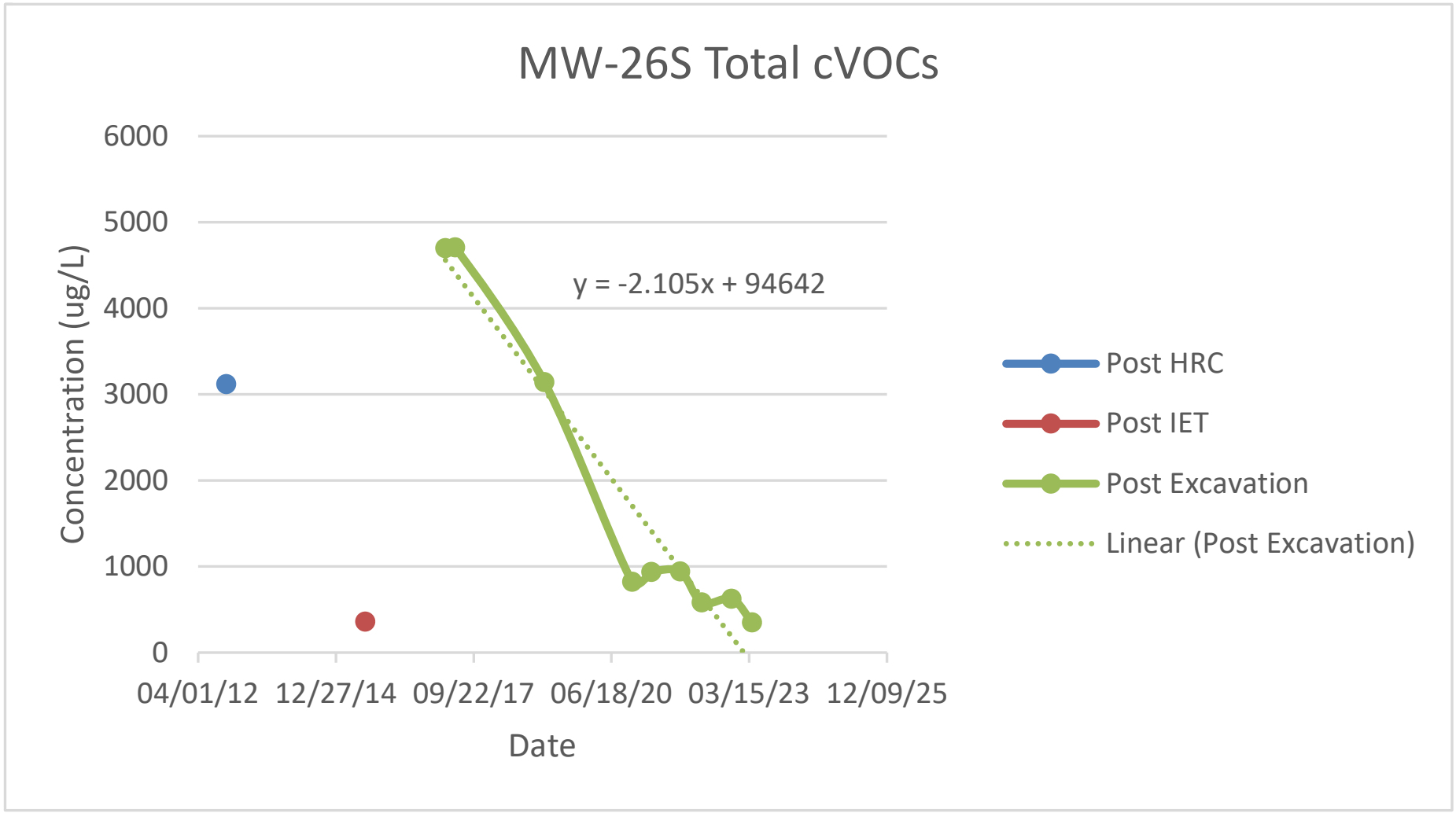

PZ-12 Total cVOCs
Concentration (ug/L)
25000
20000
15000
10000
5000
0
1/14/2004
10/10/2006
7/6/2009
4/1/2012
12/27/2014
9/22/2017
6/18/2020
3/15/2023
12/9/2025
Date
y = -0.3606x + 17177
Pre HRC
HRC to IET
Post IET
Post Excavation
Linear (Post Excavation)


MW-5R Total cVOCs
250000
200000
150000
100000
50000
0
Concentration (ug/L)
10/10/06
07/06/09
04/01/12
12/27/14
09/22/17
06/18/20
03/15/23
12/09/25
DATE
y = -0.5903x + 27401
Pre HRC
HRC to IET
IET to PersulfOx
Post PersulfOx
Post Excavation
Linear (Post Excavation)


MW-5R Total cVOCs
Concentration (ug/L)
4500
4000
3500
3000
2500
2000
1500
1000
500
0
05/10/16
09/22/17
02/04/19
06/18/20
10/31/21
03/15/23
07/27/24
DATE
y = -0.5903x + 27401
Post Excavation
Linear (Post Excavation)


MW-24S Total cVOCs
80000
70000
60000
50000
40000
30000
20000
10000
0
Concentration (ug/L)
10/10/06
07/06/09
04/01/12
12/27/14
09/22/17
06/18/20
03/15/23
12/09/25
Date
y = -2.5588x + 116104
Post HRC
Post IET
Post Excavation
Linear (Post Excavation)


MW-25S Total cVOCs
3000
2500
2000
1500
1000
500
0
Concentration (ug/L)
y = -0.0271x + 2004.5
04/01/12
12/27/14
09/22/17
06/18/20
03/15/23
12/09/25
Date
Post HRC
Post IET
Post Excavation
Linear (Post Excavation)


MW-26S Total cVOCs
6000
5000
4000
3000
2000
1000
0
Concentration (ug/L)
y = -2.105x + 94642
04/01/12
12/27/14
09/22/17
06/18/20
03/15/23
12/09/25
Date
Post HRC
Post IET
Post Excavation
Linear (Post Excavation)

# APPENDIX F

## DATA USABILITY SUMMARY REPORTS

# Data Validation Services

**120 Cobble Creek Road P. O. Box 208**
**North Creek, NY 12853**
**Phone (518) 251-4429**
**harry@frontiernet.net**


April 20, 2023

Charlotte Clark
Benchmark Civil/Environmental Engineering and Geology, PLLC
2558 Hamburg Turnpike Suite 300
Buffalo, NY 14218

RE: Validation of 275 Franklin Street Analytical Data
Data Usability Summary Report (DUSR)
Alpha Analytical SDG Nos. L2263386 and L2317820

Dear Ms. Clark:

Review has been completed for the data packages generated by Alpha Analytical that pertain to samples collected 11/10/22 and 04/04/23 at the 275 Franklin Steet. In each of two events, eleven aqueous samples, a field duplicate, and a trip blank were processed for TCL and 6 NYCRR Part 375 CP-51 volatiles by USEPA Method 8260D.

The data packages submitted by the laboratory contain full deliverables for validation, and this usability report is generated from review of the QC summary form information, with full review of sample raw data and limited review of associated QC raw data. The reported QC summary forms and sample raw data have been reviewed for application of validation qualifiers, with guidance from the USEPA national and regional validation documents and the specific requirements of the analytical methodology. The following items were reviewed:

* Data Completeness
* Case Narrative
* Custody Documentation
* Holding Times
* Surrogate/Internal Standard Recoveries
* Matrix Spike Recoveries/Duplicate Correlations
* Blind Field Duplicate Correlations
* Method/Preparation Blanks
* Laboratory Control Sample (LCS)
* Instrumental Tunes

* Initial and Continuing Calibration Standards
* Method Compliance
* Sample Result Verification

Those items listed above which show deficiencies are discussed within the text of this narrative. All of the other items were determined to be acceptable for the DUSR level review, as discussed in NYS DER-10 Appendix B Section 2.0 (c). Documentation of the outlying parameters cited in this report can be found in the laboratory data package.

**In summary**, the results for the samples are usable either as reported or with minor qualification, with the exception that the results for 1,4-dioxane are rejected and not usable due to limitations of the methodology.

Data completeness, accuracy, precision, representativeness, reproducibility, and comparability are acceptable.

Validation data qualifier definitions and client sample identifications are attached to this text. Also included in this report are the laboratory EDDs with recommended qualifiers/edits applied in red.

**Chain-of- Custody**

A minor variance in time of collection for one sample was resolved at sample receipt.

**Blind Field Duplicates**

The blind field duplicate correlations for MW-4R (November) and MW-23S (April) are within validation guidelines.

**TCL and CP-51 Volatile Analyses by EPA 8260D**

The results for 1,4-dioxane in the samples are rejected due to low response inherent in the methodology. Other calibration standards show responses within validation action levels, with the exception of the following, results for which are qualified as estimated in the indicated associated samples:

- bromomethane and bromoform (21%D to 33%D) in all samples and trip blank reported in SDG L2263386
- bromomethane, trans-1,3-dichloropropene, and bromoform (21%D to 47%D) in PZ-4R, PZ-5, PZ-11, PZ-12, PZ-13, and TRIP BLANK (April)
- bromoform (22%D) in samples PZ-14, MW-24D, MW-24S, BLIND DUP, and MW-23S (April)

Holding times were met. Surrogate and internal standard recoveries are within validation guidelines, and blanks show no contamination.

The detected results for chloroethane and vinyl chloride in PZ-13 are qualified as estimated due to low recoveries (140% to 180%) in the associated LCSs.

Matrix spike evaluations of PZ-14 and MW-24S show recoveries and correlations within validation guidelines.

Please do not hesitate to contact me if questions or comments arise during your review of this report.

Very truly yours,

Judy Harry

Attachments: Validation Data Qualifier Definitions
Sample Identifications
Qualified Laboratory EQuIS EDDs

## VALIDATION DATA QUALIFIER DEFINITIONS

| | |
|---|---|
| **U** | The analyte was analyzed for, but was not detected above the level of the associated reported quantitation limit. |
| **J** | The analyte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample. |
| **J-** | The analyte was positively identified; the associated numerical value is an estimated quantity that may be biased low. |
| **J+** | The analyte was positively identified; the associated numerical value is an estimated quantity that may be biased high. |
| **UJ** | The analyte was analyzed for, but was not detected. The associated reported quantitation limit is approximate and may be inaccurate or imprecise. |
| **NJ** | The detection is tentative in identification and estimated in value. Although there is presumptive evidence of the analyte, the result should be used with caution as a potential false positive and/or elevated quantitative value. |
| **R** | The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control limits. The analyte may or may not be present. |
| **EMPC** | The results do not meet all criteria for a confirmed identification. The quantitative value represents the Estimated Maximum Possible Concentration of the analyte in the sample. |

# Sample Identification Summary

**Project Name:** 275 FRANKLIN STREET SITE
**Project Number:** B0156-022-001-001-00

**Lab Number:** L2263386
**Report Date:** 11/28/22

| Alpha Sample ID | Client ID | Matrix | Sample Location | Collection Date/Time | Receive Date |
|---|---|---|---|---|---|
| L2263386-01 | PZ-4R | WATER | BUFFALO, NY | 11/10/22 10:46 | 11/10/22 |
| L2263386-02 | MW-5R | WATER | BUFFALO, NY | 11/10/22 10:06 | 11/10/22 |
| L2263386-03 | PZ-5 | WATER | BUFFALO, NY | 11/10/22 09:20 | 11/10/22 |
| L2263386-04 | PZ-6 | WATER | BUFFALO, NY | 11/10/22 08:45 | 11/10/22 |
| L2263386-05 | PZ-11 | WATER | BUFFALO, NY | 11/10/22 14:21 | 11/10/22 |
| L2263386-06 | PZ-12 | WATER | BUFFALO, NY | 11/10/22 14:00 | 11/10/22 |
| L2263386-07 | PZ-13 | WATER | BUFFALO, NY | 11/10/22 11:21 | 11/10/22 |
| L2263386-08 | PZ-14 | WATER | BUFFALO, NY | 11/10/22 11:54 | 11/10/22 |
| L2263386-09 | MW-24D | WATER | BUFFALO, NY | 11/10/22 13:12 | 11/10/22 |
| L2263386-10 | MW-24S | WATER | BUFFALO, NY | 11/10/22 13:30 | 11/10/22 |
| L2263386-11 | MW-23S | WATER | BUFFALO, NY | 11/10/22 12:33 | 11/10/22 |
| L2263386-12 | BLIND DUP | WATER | BUFFALO, NY | 11/10/22 00:00 | 11/10/22 |
| L2263386-13 | TRIP BLANK | WATER | BUFFALO, NY | 11/10/22 00:00 | 11/10/22 |

**Project Name:** 275 FRANKLIN STREET SITE
**Project Number:** B0156-022-001

**Lab Number:** L2317820
**Report Date:** 04/12/23

| Alpha Sample ID | Client ID | Matrix | Sample Location | Collection Date/Time | Receive Date |
|---|---|---|---|---|---|
| L2317820-01 | PZ-4R | WATER | BUFFALO, NY | 04/04/23 13:45 | 04/05/23 |
| L2317820-02 | MW-5R | WATER | BUFFALO, NY | 04/04/23 10:25 | 04/05/23 |
| L2317820-03 | PZ-5 | WATER | BUFFALO, NY | 04/04/23 12:34 | 04/05/23 |
| L2317820-04 | PZ-6 | WATER | BUFFALO, NY | 04/04/23 13:05 | 04/05/23 |
| L2317820-05 | PZ-11 | WATER | BUFFALO, NY | 04/04/23 12:00 | 04/05/23 |
| L2317820-06 | PZ-12 | WATER | BUFFALO, NY | 04/04/23 11:30 | 04/05/23 |
| L2317820-07 | PZ-13 | WATER | BUFFALO, NY | 04/04/23 10:50 | 04/05/23 |
| L2317820-08 | PZ-14 | WATER | BUFFALO, NY | 04/04/23 10:10 | 04/05/23 |
| L2317820-09 | MW-24D | WATER | BUFFALO, NY | 04/04/23 11:50 | 04/05/23 |
| L2317820-10 | MW-24S | WATER | BUFFALO, NY | 04/04/23 12:50 | 04/05/23 |
| L2317820-11 | BLIND DUP | WATER | BUFFALO, NY | 04/04/23 08:00 | 04/05/23 |
| L2317820-12 | MW-23S | WATER | BUFFALO, NY | 04/04/23 14:30 | 04/05/23 |
| L2317820-13 | TRIP BLANK | WATER | BUFFALO, NY | 04/04/23 00:00 | 04/05/23 |

**Project:** NYSDEC 275 Franklin Street #C915208A
Groundwater Sampling
**Laboratory:** Con-Test
**Work Order No:** 22K1604
**Fraction:** Organic
**Matrix:** Groundwater
**Report Date:** 2/19/2023

This data usability summary report is based upon a review of analytical data generated for groundwater samples. New York State Department of Environmental Conservation Analytical Services Protocol (NYSDEC ASP) Category B format data packages were provided by the laboratory.

The sample locations, laboratory identification numbers, sample collection dates, sample matrix, and analyses performed are presented in Table 1.

The sample was analyzed for volatile organic compounds. The sample analyses were performed in accordance with the procedures referenced at the end of this report.

All sample analyses have undergone an analytical validation review to ensure adherence to the required protocols. Results have been validated or qualified according to general guidance provided in USEPA Region II "Hazardous Waste Support Section, SOM02.2 Low/Medium Volatile Data Validation", SOP HW-33A, Revision 1, September 2016. Region II references this guidance for validation requirements. The quality control requirements specified in the analysis method and associated acceptance criteria were also used to evaluate the data. The following parameters were evaluated.

| | | |
|---|---|---|
| X | • | Data Completeness |
| X | • | Chain of Custody Documentation/Sample Receipt |
| X | • | Holding Times |
| X | • | Instrument Performance |
| X | • | Initial and Continuing Calibrations |
| X | • | Laboratory and Field Blank Analysis Results |
| X | • | Surrogate Compound Recoveries |
| X | • | Summaries of Matrix Spike/Matrix Spike Duplicate Recoveries and Reproducibility |
| X | • | Field Duplicate Analysis Results |
| X | • | Laboratory Fortified Blank Results |
| X | • | Internal Standard Performance |
| X | • | Qualitative Identification |
| X | • | Quantitation/Reporting Limits |

X - Denotes parameter evaluated.

It is recommended that the data only be used according to the qualifiers presented, and discussed in this report. All other data should be considered qualitatively and quantitatively valid as reported by the laboratory, based on the items evaluated.

Report Approved By:

Shawne M. Rodgers
President
February 19, 2023

## *1.0 DATA COMPLETENESS*

The data deliverables provided by the laboratory were New York State Department of Environmental Conservation Analytical Services Protocol (NYSDEC ASP) Category B format.

A completeness review of the data package revealed no missing items or issues.

## *2.0 CHAIN OF CUSTODY DOCUMENTATION/SAMPLE RECEIPT*

The chain of custody was complete. No problems were noted at sample receipt.

## *3.0 HOLDING TIMES*

All criteria were met. No qualifiers were applied.

## *4.0 INSTRUMENT PERFORMANCE*

All criteria were met. No qualifiers were applied.

## *5.0 INITIAL AND CONTINUING CALIBRATIONS*

The continuing calibration precision criterion (the percent difference between initial and continuing RRFs $\leq$ 20 percent) was exceeded for the following continuing calibration standards. This indicates a lack of instrument stability for these compounds. The nondetect results for these compounds have been marked "UJ" to indicate that they are quantitative estimates.

| Calibration Standard | Analyte | %Difference | Associated Samples |
|---|---|---|---|
| S079358-CCV1 (File ID B22V31806.D) | Bromomethane | -37.4 | All Samples |
| | 1,2-Dibromo-3-chloropropane | -22.7 | |
| | Methyl Acetate | 22.6 | |

## *6.0 LABORATORY AND FIELD BLANK ANALYSIS RESULTS*

No compounds were detected in the associated volatile laboratory method blank and/or trip blank.

## *7.0 SURROGATE COMPOUNDS*

All criteria were met. No qualifiers were applied.

## *8.0 SUMMARIES OF MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERIES AND REPRODUCIBILITY*

The volatile matrix spike/matrix spike duplicate (MS/MSD) results that did not meet the indicated quality control (QC) limits for the MS/MSD analysis of sample MW-25S are presented below.

| Compound | MS %REC | MSD %REC | QC Limits | RPD | QC Limits |
|---|---|---|---|---|---|
| Bromomethane | 53.6 | 41.6 | 70-130 | | 30 |
| 1,2-Dibromo-3-chloropropane (DBCP) | 68.2 | 63.7 | 70-130 | | 30 |
| cis-1,2-Dichloroethene | 26.0 | 52.7 | 70-130 | | 30 |

The unacceptable results indicate the presence of interferences for parent sample MW-25S. Results for bromomethane and 1, 2-dibromo-3-chloropropane were previously qualified due to continuing calibration. The high concentration of cis-1, 2- for parent sample MW-25S relative to the spike amount did not allow for the use of the low recoveries to evaluate the data.

## *9.0 FIELD DUPLICATE RESULTS*

Duplicate samples MW-26S and DUP were submitted to the laboratory to evaluate sampling and analytical precision for those organic compounds determined to be present. Results for the duplicate samples are presented in Table 2.

## *10.0 LABORATORY FORTIFIED BLANK RESULTS*

All criteria were met. No qualifiers were applied.

## *11.0 INTERNAL STANDARD PERFORMANCE*

All criteria were met. No qualifiers were applied.

## *13.0 QUALITATIVE IDENTIFICATION*

All criteria were met. No qualifiers were applied.

## *14.0 QUANTITATION/REPORTING LIMITS*

The following samples were analyzed at dilutions for volatile organic compounds. The dilution analyses were performed because of the suspected presence of elevated levels of target compounds and/or interferences. Reporting limits (RLs) are elevated by the dilution factor for the samples for target compounds that were not detected. The elevated RLs should be noted when assessing the data for the samples.

| Sample | Dilution Factor |
|---|---|
| DUP | 10.0 |
| MW-23D | 5.0 |
| MW-26S | 10.0 |
| MW-25S | 4.0 |

As required by USEPA protocol, all compounds, which were qualitatively identified at concentrations below their respective RLs, have been marked with "J" qualifiers to indicate that they are quantitative estimates.

## *METHODOLOGY REFERENCES*

| Analysis | Reference |
|---|---|
| Volatile Organic Compounds | Method 8260C, "Test Methods for Evaluating Solid Wastes", SW-846, third edition, Promulgated Updates I, II, IIA, IIB, III, IIIA, IIIB, IVA and IVB, and V, October 2013 |

Table 1 Data Usability Summary Report
NYSDEC 275 Franklin Street #C915208A
Groundwater Sampling
Con-Test Work Order Number 22K1604

| | | | | Analyses Performed |
|---|---|---|---|---|
| Sample ID | Lab ID | Collection Date | Matrix | SW8260C |
| MW-25S | 22K1604-1 | 11/9/2022 | Groundwater | X |
| MW-26S | 22K1604-2 | 11/9/2022 | Groundwater | X |
| MW-27S | 22K1604-3 | 11/9/2022 | Groundwater | X |
| MW-23D | 22K1604-4 | 11/9/2022 | Groundwater | X |
| DUP | 22K1604-5 | 11/9/2022 | Groundwater | X |
| TRIP BLANK | 22K1604-6 | 11/9/2022 | Trip Blank | X |

Table 2 Field Duplicate Sample Results for Organic Analyses
Groundwater Samples MW-26S and DUP

| | Analyte | MW-26S Result, µg/L | DUP Result, µg/L | RPD |
|---|---|---|---|---|
| VOC | | | | |
| | cis-1,2-Dichloroethene | 13 | 13 | 0 |
| | Tetrachloroethene | 600 | 590 | 2 |
| | Trichloroethene | 10 | 10 | 0 |

con-test® A Pace Analytical® Laboratory
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Franklin St, Buffalo, NY | Sample Description: | Work Order: 22K1604

Date Received: 11/10/2022

**Field Sample #: MW-25S** | Sampled: 11/9/2022 10:00

**Sample ID: 22K1604-01**

Sample Matrix: Ground Water

Sample Flags: RL-11

**Volatile Organic Compounds by GC/MS**

| Analyte | Results | RL | DL | Units | Dilution | Flag/Qual | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | 200 | 8.1 | µg/L | 4 | | SW-846 8260D | 11/14/22 | 11/14/22 15:34 | MFF |
| Benzene | ND | 4.0 | 0.80 | µg/L | 4 | | SW-846 8260D | 11/14/22 | 11/14/22 15:34 | MFF |
| Bromochloromethane | ND | 4.0 | 1.2 | µg/L | 4 | | SW-846 8260D | 11/14/22 | 11/14/22 15:34 | MFF |
| Bromodichloromethane | ND | 2.0 | 0.72 | µg/L | 4 | | SW-846 8260D | 11/14/22 | 11/14/22 15:34 | MFF |
| Bromoform | ND | 4.0 | 1.5 | µg/L | 4 | | SW-846 8260D | 11/14/22 | 11/14/22 15:34 | MFF |
| Bromomethane | ND | 8.0 | 6.2 | µg/L | 4 | V-05, MS-07A | SW-846 8260D | 11/14/22 | 11/14/22 15:34 | MFF |
| 2-Butanone (MEK) | ND | 80 | 6.5 | µg/L | 4 | | SW-846 8260D | 11/14/22 | 11/14/22 15:34 | MFF |
| Carbon Disulfide | ND | 20 | 5.8 | µg/L | 4 | | SW-846 8260D | 11/14/22 | 11/14/22 15:34 | MFF |
| Carbon Tetrachloride | ND | 20 | 0.66 | µg/L | 4 | | SW-846 8260D | 11/14/22 | 11/14/22 15:34 | MFF |
| Chlorobenzene | ND | 4.0 | 0.42 | µg/L | 4 | | SW-846 8260D | 11/14/22 | 11/14/22 15:34 | MFF |
| Chlorodibromomethane | ND | 2.0 | 0.89 | µg/L | 4 | | SW-846 8260D | 11/14/22 | 11/14/22 15:34 | MFF |
| Chloroethane | ND | 8.0 | 1.3 | µg/L | 4 | | SW-846 8260D | 11/14/22 | 11/14/22 15:34 | MFF |
| Chloroform | 1.5 | 8.0 | 0.67 | µg/L | 4 | J | SW-846 8260D | 11/14/22 | 11/14/22 15:34 | MFF |
| Chloromethane | ND | 8.0 | 2.1 | µg/L | 4 | | SW-846 8260D | 11/14/22 | 11/14/22 15:34 | MFF |
| Cyclohexane | ND | 20 | 7.0 | µg/L | 4 | | SW-846 8260D | 11/14/22 | 11/14/22 15:34 | MFF |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND | 20 | 3.2 | µg/L | 4 | V-05, MS-07A | SW-846 8260D | 11/14/22 | 11/14/22 15:34 | MFF |
| 1,2-Dibromoethane (EDB) | ND | 2.0 | 0.68 | µg/L | 4 | | SW-846 8260D | 11/14/22 | 11/14/22 15:34 | MFF |
| 1,2-Dichlorobenzene | ND | 4.0 | 0.49 | µg/L | 4 | | SW-846 8260D | 11/14/22 | 11/14/22 15:34 | MFF |
| 1,3-Dichlorobenzene | ND | 4.0 | 0.47 | µg/L | 4 | | SW-846 8260D | 11/14/22 | 11/14/22 15:34 | MFF |
| 1,4-Dichlorobenzene | ND | 4.0 | 0.52 | µg/L | 4 | | SW-846 8260D | 11/14/22 | 11/14/22 15:34 | MFF |
| Dichlorodifluoromethane (Freon 12) | ND | 8.0 | 0.77 | µg/L | 4 | | SW-846 8260D | 11/14/22 | 11/14/22 15:34 | MFF |
| 1,1-Dichloroethane | ND | 4.0 | 0.57 | µg/L | 4 | | SW-846 8260D | 11/14/22 | 11/14/22 15:34 | MFF |
| 1,2-Dichloroethane | ND | 4.0 | 1.2 | µg/L | 4 | | SW-846 8260D | 11/14/22 | 11/14/22 15:34 | MFF |
| 1,1-Dichloroethylene | 0.68 | 4.0 | 0.57 | µg/L | 4 | J | SW-846 8260D | 11/14/22 | 11/14/22 15:34 | MFF |
| cis-1,2-Dichloroethylene | 380 | 4.0 | 0.59 | µg/L | 4 | MS-19 | SW-846 8260D | 11/14/22 | 11/14/22 15:34 | MFF |
| trans-1,2-Dichloroethylene | 2.9 | 4.0 | 0.67 | µg/L | 4 | J | SW-846 8260D | 11/14/22 | 11/14/22 15:34 | MFF |
| 1,2-Dichloropropane | ND | 4.0 | 0.72 | µg/L | 4 | | SW-846 8260D | 11/14/22 | 11/14/22 15:34 | MFF |
| cis-1,3-Dichloropropene | ND | 2.0 | 0.63 | µg/L | 4 | | SW-846 8260D | 11/14/22 | 11/14/22 15:34 | MFF |
| trans-1,3-Dichloropropene | ND | 2.0 | 0.67 | µg/L | 4 | | SW-846 8260D | 11/14/22 | 11/14/22 15:34 | MFF |
| 1,4-Dioxane | ND | 200 | 82 | µg/L | 4 | | SW-846 8260D | 11/14/22 | 11/14/22 15:34 | MFF |
| Ethylbenzene | ND | 4.0 | 0.86 | µg/L | 4 | | SW-846 8260D | 11/14/22 | 11/14/22 15:34 | MFF |
| 2-Hexanone (MBK) | ND | 40 | 4.5 | µg/L | 4 | | SW-846 8260D | 11/14/22 | 11/14/22 15:34 | MFF |
| Isopropylbenzene (Cumene) | ND | 4.0 | 0.43 | µg/L | 4 | | SW-846 8260D | 11/14/22 | 11/14/22 15:34 | MFF |
| Methyl Acetate | ND | 4.0 | 1.8 | µg/L | 4 | | SW-846 8260D | 11/14/22 | 11/14/22 15:34 | MFF |
| Methyl tert-Butyl Ether (MTBE) | ND | 4.0 | 0.69 | µg/L | 4 | | SW-846 8260D | 11/14/22 | 11/14/22 15:34 | MFF |
| Methyl Cyclohexane | ND | 4.0 | 0.98 | µg/L | 4 | | SW-846 8260D | 11/14/22 | 11/14/22 15:34 | MFF |
| Methylene Chloride | ND | 20 | 0.94 | µg/L | 4 | | SW-846 8260D | 11/14/22 | 11/14/22 15:34 | MFF |
| 4-Methyl-2-pentanone (MIBK) | ND | 40 | 5.1 | µg/L | 4 | | SW-846 8260D | 11/14/22 | 11/14/22 15:34 | MFF |
| Styrene | ND | 4.0 | 0.42 | µg/L | 4 | | SW-846 8260D | 11/14/22 | 11/14/22 15:34 | MFF |
| 1,1,2,2-Tetrachloroethane | ND | 2.0 | 0.51 | µg/L | 4 | | SW-846 8260D | 11/14/22 | 11/14/22 15:34 | MFF |
| Tetrachloroethylene | 260 | 4.0 | 0.75 | µg/L | 4 | | SW-846 8260D | 11/14/22 | 11/14/22 15:34 | MFF |
| Toluene | ND | 4.0 | 0.90 | µg/L | 4 | | SW-846 8260D | 11/14/22 | 11/14/22 15:34 | MFF |
| 1,2,3-Trichlorobenzene | ND | 20 | 1.2 | µg/L | 4 | | SW-846 8260D | 11/14/22 | 11/14/22 15:34 | MFF |
| 1,2,4-Trichlorobenzene | ND | 4.0 | 0.99 | µg/L | 4 | | SW-846 8260D | 11/14/22 | 11/14/22 15:34 | MFF |

SM 11/9/2022

con-test® A Pace Analytical® Laboratory
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Franklin St, Buffalo, NY  Sample Description:  Work Order: 22K1604

Date Received: 11/10/2022

**Field Sample #: MW-25S**  Sampled: 11/9/2022 10:00

**Sample ID: 22K1604-01**

Sample Matrix: Ground Water

Sample Flags: RL-11

**Volatile Organic Compounds by GC/MS**

| Analyte | Results | RL | DL | Units | Dilution | Flag/Qual | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | ND | 4.0 | 0.68 | µg/L | 4 | | SW-846 8260D | 11/14/22 | 11/14/22 15:34 | MFF |
| 1,1,2-Trichloroethane | ND | 4.0 | 0.73 | µg/L | 4 | | SW-846 8260D | 11/14/22 | 11/14/22 15:34 | MFF |
| Trichloroethylene | 49 | 4.0 | 0.76 | µg/L | 4 | | SW-846 8260D | 11/14/22 | 11/14/22 15:34 | MFF |
| Trichlorofluoromethane (Freon 11) | ND | 8.0 | 0.70 | µg/L | 4 | | SW-846 8260D | 11/14/22 | 11/14/22 15:34 | MFF |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND | 4.0 | 0.91 | µg/L | 4 | | SW-846 8260D | 11/14/22 | 11/14/22 15:34 | MFF |
| Vinyl Chloride | ND | 8.0 | 0.83 | µg/L | 4 | | SW-846 8260D | 11/14/22 | 11/14/22 15:34 | MFF |
| Xylenes (total) | ND | 4.0 | 4.0 | µg/L | 4 | | SW-846 8260D | 11/14/22 | 11/14/22 15:34 | MFF |

| Surrogates | % Recovery | Recovery Limits | Flag/Qual | |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 96.4 | 70-130 | | 11/14/22 15:34 |
| Toluene-d8 | 98.0 | 70-130 | | 11/14/22 15:34 |
| 4-Bromofluorobenzene | 100 | 70-130 | | 11/14/22 15:34 |

SMK 11/19/2022

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

Project Location: 250 Franklin St, Buffalo, NY | Sample Description: | Work Order: 22K1604

Date Received: 11/10/2022

**Field Sample #: MW-26S** | Sampled: 11/9/2022 11:35

**Sample ID: 22K1604-02**

Sample Matrix: Ground Water

Sample Flags: RL-11

**Volatile Organic Compounds by GC/MS**

| Analyte | Results | RL | DL | Units | Dilution | Flag/Qual | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | 500 | 20 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:00 | MFF |
| Benzene | ND | 10 | 2.0 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:00 | MFF |
| Bromochloromethane | ND | 10 | 3.1 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:00 | MFF |
| Bromodichloromethane | ND | 5.0 | 1.8 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:00 | MFF |
| Bromoform | ND | 10 | 3.8 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:00 | MFF |
| Bromomethane | ND | 20 | 15 | µg/L | 10 | V-05 | SW-846 8260D | 11/14/22 | 11/14/22 16:00 | MFF |
| 2-Butanone (MEK) | ND | 200 | 16 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:00 | MFF |
| Carbon Disulfide | ND | 50 | 14 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:00 | MFF |
| Carbon Tetrachloride | ND | 50 | 1.6 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:00 | MFF |
| Chlorobenzene | ND | 10 | 1.1 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:00 | MFF |
| Chlorodibromomethane | ND | 5.0 | 2.2 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:00 | MFF |
| Chloroethane | ND | 20 | 3.2 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:00 | MFF |
| Chloroform | ND | 20 | 1.7 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:00 | MFF |
| Chloromethane | ND | 20 | 5.2 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:00 | MFF |
| Cyclohexane | ND | 50 | 18 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:00 | MFF |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND | 50 | 8.0 | µg/L | 10 | V-05 | SW-846 8260D | 11/14/22 | 11/14/22 16:00 | MFF |
| 1,2-Dibromoethane (EDB) | ND | 5.0 | 1.7 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:00 | MFF |
| 1,2-Dichlorobenzene | ND | 10 | 1.2 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:00 | MFF |
| 1,3-Dichlorobenzene | ND | 10 | 1.2 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:00 | MFF |
| 1,4-Dichlorobenzene | ND | 10 | 1.3 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:00 | MFF |
| Dichlorodifluoromethane (Freon 12) | ND | 20 | 1.9 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:00 | MFF |
| 1,1-Dichloroethane | ND | 10 | 1.4 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:00 | MFF |
| 1,2-Dichloroethane | ND | 10 | 3.1 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:00 | MFF |
| 1,1-Dichloroethylene | ND | 10 | 1.4 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:00 | MFF |
| cis-1,2-Dichloroethylene | 13 | 10 | 1.5 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:00 | MFF |
| trans-1,2-Dichloroethylene | ND | 10 | 1.7 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:00 | MFF |
| 1,2-Dichloropropane | ND | 10 | 1.8 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:00 | MFF |
| cis-1,3-Dichloropropene | ND | 5.0 | 1.6 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:00 | MFF |
| trans-1,3-Dichloropropene | ND | 5.0 | 1.7 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:00 | MFF |
| 1,4-Dioxane | ND | 500 | 210 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:00 | MFF |
| Ethylbenzene | ND | 10 | 2.1 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:00 | MFF |
| 2-Hexanone (MBK) | ND | 100 | 11 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:00 | MFF |
| Isopropylbenzene (Cumene) | ND | 10 | 1.1 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:00 | MFF |
| Methyl Acetate | ND | 10 | 4.5 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:00 | MFF |
| Methyl tert-Butyl Ether (MTBE) | ND | 10 | 1.7 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:00 | MFF |
| Methyl Cyclohexane | ND | 10 | 2.4 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:00 | MFF |
| Methylene Chloride | ND | 50 | 2.3 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:00 | MFF |
| 4-Methyl-2-pentanone (MIBK) | ND | 100 | 13 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:00 | MFF |
| Styrene | ND | 10 | 1.1 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:00 | MFF |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | 1.3 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:00 | MFF |
| Tetrachloroethylene | 600 | 10 | 1.9 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:00 | MFF |
| Toluene | ND | 10 | 2.2 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:00 | MFF |
| 1,2,3-Trichlorobenzene | ND | 50 | 3.0 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:00 | MFF |
| 1,2,4-Trichlorobenzene | ND | 10 | 2.5 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:00 | MFF |

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

Project Location: 250 Franklin St, Buffalo, NY  Sample Description:  Work Order: 22K1604

Date Received: 11/10/2022

**Field Sample #: MW-26S**  Sampled: 11/9/2022 11:35

**Sample ID: 22K1604-02**

Sample Matrix: Ground Water

Sample Flags: RL-11

**Volatile Organic Compounds by GC/MS**

| Analyte | Results | RL | DL | Units | Dilution | Flag/Qual | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | ND | 10 | 1.7 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:00 | MFF |
| 1,1,2-Trichloroethane | ND | 10 | 1.8 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:00 | MFF |
| Trichloroethylene | 10 | 10 | 1.9 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:00 | MFF |
| Trichlorofluoromethane (Freon 11) | ND | 20 | 1.8 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:00 | MFF |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND | 10 | 2.3 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:00 | MFF |
| Vinyl Chloride | ND | 20 | 2.1 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:00 | MFF |
| Xylenes (total) | ND | 10 | 10 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:00 | MFF |

| Surrogates | % Recovery | Recovery Limits | Flag/Qual | |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 94.6 | 70-130 | | 11/14/22 16:00 |
| Toluene-d8 | 98.6 | 70-130 | | 11/14/22 16:00 |
| 4-Bromofluorobenzene | 99.0 | 70-130 | | 11/14/22 16:00 |

SMA 2/19/2023

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

Project Location: 250 Franklin St, Buffalo, NY | Sample Description: | Work Order: 22K1604

Date Received: 11/10/2022

**Field Sample #: MW-27S** | Sampled: 11/9/2022 13:00

**Sample ID: 22K1604-03**

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 | ND | 50 | 2.0 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 13:23 | MFF |
| Benzene | ND | 1.0 | 0.20 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 13:23 | MFF |
| Bromochloromethane | ND | 1.0 | 0.31 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 13:23 | MFF |
| Bromodichloromethane | ND | 0.50 | 0.18 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 13:23 | MFF |
| Bromoform | ND | 1.0 | 0.38 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 13:23 | MFF |
| Bromomethane | ND | UJ 2.0 | 1.5 | µg/L | 1 | V-05 | SW-846 8260D | 11/14/22 | 11/14/22 13:23 | MFF |
| 2-Butanone (MEK) | ND | 20 | 1.6 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 13:23 | MFF |
| Carbon Disulfide | ND | 5.0 | 1.4 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 13:23 | MFF |
| Carbon Tetrachloride | ND | 5.0 | 0.16 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 13:23 | MFF |
| Chlorobenzene | ND | 1.0 | 0.11 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 13:23 | MFF |
| Chlorodibromomethane | ND | 0.50 | 0.22 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 13:23 | MFF |
| Chloroethane | ND | 2.0 | 0.32 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 13:23 | MFF |
| Chloroform | 4.3 | 2.0 | 0.17 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 13:23 | MFF |
| Chloromethane | ND | 2.0 | 0.52 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 13:23 | MFF |
| Cyclohexane | ND | 5.0 | 1.8 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 13:23 | MFF |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND | UJ 5.0 | 0.80 | µg/L | 1 | V-05 | SW-846 8260D | 11/14/22 | 11/14/22 13:23 | MFF |
| 1,2-Dibromoethane (EDB) | ND | 0.50 | 0.17 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 13:23 | MFF |
| 1,2-Dichlorobenzene | ND | 1.0 | 0.12 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 13:23 | MFF |
| 1,3-Dichlorobenzene | ND | 1.0 | 0.12 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 13:23 | MFF |
| 1,4-Dichlorobenzene | ND | 1.0 | 0.13 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 13:23 | MFF |
| Dichlorodifluoromethane (Freon 12) | ND | 2.0 | 0.19 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 13:23 | MFF |
| 1,1-Dichloroethane | ND | 1.0 | 0.14 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 13:23 | MFF |
| 1,2-Dichloroethane | ND | 1.0 | 0.31 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 13:23 | MFF |
| 1,1-Dichloroethylene | ND | 1.0 | 0.14 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 13:23 | MFF |
| cis-1,2-Dichloroethylene | ND | 1.0 | 0.15 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 13:23 | MFF |
| trans-1,2-Dichloroethylene | ND | 1.0 | 0.17 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 13:23 | MFF |
| 1,2-Dichloropropane | ND | 1.0 | 0.18 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 13:23 | MFF |
| cis-1,3-Dichloropropene | ND | 0.50 | 0.16 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 13:23 | MFF |
| trans-1,3-Dichloropropene | ND | 0.50 | 0.17 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 13:23 | MFF |
| 1,4-Dioxane | ND | 50 | 21 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 13:23 | MFF |
| Ethylbenzene | ND | 1.0 | 0.21 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 13:23 | MFF |
| 2-Hexanone (MBK) | ND | 10 | 1.1 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 13:23 | MFF |
| Isopropylbenzene (Cumene) | ND | 1.0 | 0.11 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 13:23 | MFF |
| Methyl Acetate | ND | UJ 1.0 | 0.45 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 13:23 | MFF |
| Methyl tert-Butyl Ether (MTBE) | ND | 1.0 | 0.17 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 13:23 | MFF |
| Methyl Cyclohexane | ND | 1.0 | 0.24 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 13:23 | MFF |
| Methylene Chloride | ND | 5.0 | 0.23 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 13:23 | MFF |
| 4-Methyl-2-pentanone (MIBK) | ND | 10 | 1.3 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 13:23 | MFF |
| Styrene | ND | 1.0 | 0.11 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 13:23 | MFF |
| 1,1,2,2-Tetrachloroethane | ND | 0.50 | 0.13 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 13:23 | MFF |
| Tetrachloroethylene | 6.4 | 1.0 | 0.19 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 13:23 | MFF |
| Toluene | ND | 1.0 | 0.22 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 13:23 | MFF |
| 1,2,3-Trichlorobenzene | ND | 5.0 | 0.30 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 13:23 | MFF |
| 1,2,4-Trichlorobenzene | ND | 1.0 | 0.25 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 13:23 | MFF |

SM 11/19/2022

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

Project Location: 250 Franklin St, Buffalo, NY | Sample Description: | Work Order: 22K1604

Date Received: 11/10/2022

**Field Sample #: MW-27S** | Sampled: 11/9/2022 13:00

**Sample ID: 22K1604-03**

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 |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | ND | 1.0 | 0.17 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 13:23 | MFF |
| 1,1,2-Trichloroethane | ND | 1.0 | 0.18 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 13:23 | MFF |
| Trichloroethylene | ND | 1.0 | 0.19 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 13:23 | MFF |
| Trichlorofluoromethane (Freon 11) | ND | 2.0 | 0.18 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 13:23 | MFF |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND | 1.0 | 0.23 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 13:23 | MFF |
| Vinyl Chloride | ND | 2.0 | 0.21 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 13:23 | MFF |
| Xylenes (total) | ND | 1.0 | 1.0 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 13:23 | MFF |

| Surrogates | % Recovery | Recovery Limits | Flag/Qual | |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 98.8 | 70-130 | | 11/14/22 13:23 |
| Toluene-d8 | 97.8 | 70-130 | | 11/14/22 13:23 |
| 4-Bromofluorobenzene | 100 | 70-130 | | 11/14/22 13:23 |

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

Project Location: 250 Franklin St, Buffalo, NY | Sample Description: | Work Order: 22K1604

Date Received: 11/10/2022

**Field Sample #: MW-23D** | Sampled: 11/9/2022 14:45

**Sample ID: 22K1604-04**

Sample Matrix: Ground Water

Sample Flags: RL-11

**Volatile Organic Compounds by GC/MS**

| Analyte | Results | RL | DL | Units | Dilution | Flag/Qual | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | 250 | 10 | µg/L | 5 | | SW-846 8260D | 11/14/22 | 11/14/22 16:26 | MFF |
| Benzene | ND | 5.0 | 1.0 | µg/L | 5 | | SW-846 8260D | 11/14/22 | 11/14/22 16:26 | MFF |
| Bromochloromethane | ND | 5.0 | 1.5 | µg/L | 5 | | SW-846 8260D | 11/14/22 | 11/14/22 16:26 | MFF |
| Bromodichloromethane | ND | 2.5 | 0.90 | µg/L | 5 | | SW-846 8260D | 11/14/22 | 11/14/22 16:26 | MFF |
| Bromoform | ND | 5.0 | 1.9 | µg/L | 5 | | SW-846 8260D | 11/14/22 | 11/14/22 16:26 | MFF |
| Bromomethane | ND | 10 | 7.7 | µg/L | 5 | V-05 | SW-846 8260D | 11/14/22 | 11/14/22 16:26 | MFF |
| 2-Butanone (MEK) | 14 | 100 | 8.1 | µg/L | 5 | J | SW-846 8260D | 11/14/22 | 11/14/22 16:26 | MFF |
| Carbon Disulfide | ND | 25 | 7.2 | µg/L | 5 | | SW-846 8260D | 11/14/22 | 11/14/22 16:26 | MFF |
| Carbon Tetrachloride | ND | 25 | 0.82 | µg/L | 5 | | SW-846 8260D | 11/14/22 | 11/14/22 16:26 | MFF |
| Chlorobenzene | ND | 5.0 | 0.53 | µg/L | 5 | | SW-846 8260D | 11/14/22 | 11/14/22 16:26 | MFF |
| Chlorodibromomethane | ND | 2.5 | 1.1 | µg/L | 5 | | SW-846 8260D | 11/14/22 | 11/14/22 16:26 | MFF |
| Chloroethane | ND | 10 | 1.6 | µg/L | 5 | | SW-846 8260D | 11/14/22 | 11/14/22 16:26 | MFF |
| Chloroform | 1.8 | 10 | 0.84 | µg/L | 5 | J | SW-846 8260D | 11/14/22 | 11/14/22 16:26 | MFF |
| Chloromethane | ND | 10 | 2.6 | µg/L | 5 | | SW-846 8260D | 11/14/22 | 11/14/22 16:26 | MFF |
| Cyclohexane | ND | 25 | 8.8 | µg/L | 5 | | SW-846 8260D | 11/14/22 | 11/14/22 16:26 | MFF |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND | 25 | 4.0 | µg/L | 5 | V-05 | SW-846 8260D | 11/14/22 | 11/14/22 16:26 | MFF |
| 1,2-Dibromoethane (EDB) | ND | 2.5 | 0.85 | µg/L | 5 | | SW-846 8260D | 11/14/22 | 11/14/22 16:26 | MFF |
| 1,2-Dichlorobenzene | ND | 5.0 | 0.61 | µg/L | 5 | | SW-846 8260D | 11/14/22 | 11/14/22 16:26 | MFF |
| 1,3-Dichlorobenzene | ND | 5.0 | 0.59 | µg/L | 5 | | SW-846 8260D | 11/14/22 | 11/14/22 16:26 | MFF |
| 1,4-Dichlorobenzene | ND | 5.0 | 0.65 | µg/L | 5 | | SW-846 8260D | 11/14/22 | 11/14/22 16:26 | MFF |
| Dichlorodifluoromethane (Freon 12) | ND | 10 | 0.96 | µg/L | 5 | | SW-846 8260D | 11/14/22 | 11/14/22 16:26 | MFF |
| 1,1-Dichloroethane | ND | 5.0 | 0.71 | µg/L | 5 | | SW-846 8260D | 11/14/22 | 11/14/22 16:26 | MFF |
| 1,2-Dichloroethane | ND | 5.0 | 1.5 | µg/L | 5 | | SW-846 8260D | 11/14/22 | 11/14/22 16:26 | MFF |
| 1,1-Dichloroethylene | ND | 5.0 | 0.71 | µg/L | 5 | | SW-846 8260D | 11/14/22 | 11/14/22 16:26 | MFF |
| cis-1,2-Dichloroethylene | 2.8 | 5.0 | 0.73 | µg/L | 5 | J | SW-846 8260D | 11/14/22 | 11/14/22 16:26 | MFF |
| trans-1,2-Dichloroethylene | ND | 5.0 | 0.84 | µg/L | 5 | | SW-846 8260D | 11/14/22 | 11/14/22 16:26 | MFF |
| 1,2-Dichloropropane | ND | 5.0 | 0.91 | µg/L | 5 | | SW-846 8260D | 11/14/22 | 11/14/22 16:26 | MFF |
| cis-1,3-Dichloropropene | ND | 2.5 | 0.79 | µg/L | 5 | | SW-846 8260D | 11/14/22 | 11/14/22 16:26 | MFF |
| trans-1,3-Dichloropropene | ND | 2.5 | 0.84 | µg/L | 5 | | SW-846 8260D | 11/14/22 | 11/14/22 16:26 | MFF |
| 1,4-Dioxane | ND | 250 | 100 | µg/L | 5 | | SW-846 8260D | 11/14/22 | 11/14/22 16:26 | MFF |
| Ethylbenzene | ND | 5.0 | 1.1 | µg/L | 5 | | SW-846 8260D | 11/14/22 | 11/14/22 16:26 | MFF |
| 2-Hexanone (MBK) | ND | 50 | 5.6 | µg/L | 5 | | SW-846 8260D | 11/14/22 | 11/14/22 16:26 | MFF |
| Isopropylbenzene (Cumene) | ND | 5.0 | 0.54 | µg/L | 5 | | SW-846 8260D | 11/14/22 | 11/14/22 16:26 | MFF |
| Methyl Acetate | ND | 5.0 | 2.3 | µg/L | 5 | | SW-846 8260D | 11/14/22 | 11/14/22 16:26 | MFF |
| Methyl tert-Butyl Ether (MTBE) | ND | 5.0 | 0.86 | µg/L | 5 | | SW-846 8260D | 11/14/22 | 11/14/22 16:26 | MFF |
| Methyl Cyclohexane | ND | 5.0 | 1.2 | µg/L | 5 | | SW-846 8260D | 11/14/22 | 11/14/22 16:26 | MFF |
| Methylene Chloride | ND | 25 | 1.2 | µg/L | 5 | | SW-846 8260D | 11/14/22 | 11/14/22 16:26 | MFF |
| 4-Methyl-2-pentanone (MIBK) | ND | 50 | 6.4 | µg/L | 5 | | SW-846 8260D | 11/14/22 | 11/14/22 16:26 | MFF |
| Styrene | ND | 5.0 | 0.53 | µg/L | 5 | | SW-846 8260D | 11/14/22 | 11/14/22 16:26 | MFF |
| 1,1,2,2-Tetrachloroethane | ND | 2.5 | 0.63 | µg/L | 5 | | SW-846 8260D | 11/14/22 | 11/14/22 16:26 | MFF |
| Tetrachloroethylene | 500 | 5.0 | 0.94 | µg/L | 5 | | SW-846 8260D | 11/14/22 | 11/14/22 16:26 | MFF |
| Toluene | ND | 5.0 | 1.1 | µg/L | 5 | | SW-846 8260D | 11/14/22 | 11/14/22 16:26 | MFF |
| 1,2,3-Trichlorobenzene | ND | 25 | 1.5 | µg/L | 5 | | SW-846 8260D | 11/14/22 | 11/14/22 16:26 | MFF |
| 1,2,4-Trichlorobenzene | ND | 5.0 | 1.2 | µg/L | 5 | | SW-846 8260D | 11/14/22 | 11/14/22 16:26 | MFF |

11/9/2022

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

Project Location: 250 Franklin St, Buffalo, NY | Sample Description: | Work Order: 22K1604

Date Received: 11/10/2022

**Field Sample #: MW-23D** | Sampled: 11/9/2022 14:45

**Sample ID: 22K1604-04**

Sample Matrix: Ground Water

Sample Flags: RL-11

**Volatile Organic Compounds by GC/MS**

| Analyte | Results | RL | DL | Units | Dilution | Flag/Qual | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | ND | 5.0 | 0.84 | µg/L | 5 | | SW-846 8260D | 11/14/22 | 11/14/22 16:26 | MFF |
| 1,1,2-Trichloroethane | ND | 5.0 | 0.91 | µg/L | 5 | | SW-846 8260D | 11/14/22 | 11/14/22 16:26 | MFF |
| Trichloroethylene | ND | 5.0 | 0.95 | µg/L | 5 | | SW-846 8260D | 11/14/22 | 11/14/22 16:26 | MFF |
| Trichlorofluoromethane (Freon 11) | ND | 10 | 0.88 | µg/L | 5 | | SW-846 8260D | 11/14/22 | 11/14/22 16:26 | MFF |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND | 5.0 | 1.1 | µg/L | 5 | | SW-846 8260D | 11/14/22 | 11/14/22 16:26 | MFF |
| Vinyl Chloride | ND | 10 | 1.0 | µg/L | 5 | | SW-846 8260D | 11/14/22 | 11/14/22 16:26 | MFF |
| Xylenes (total) | ND | 5.0 | 5.0 | µg/L | 5 | | SW-846 8260D | 11/14/22 | 11/14/22 16:26 | MFF |

| Surrogates | % Recovery | Recovery Limits | Flag/Qual | |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 95.7 | 70-130 | | 11/14/22 16:26 |
| Toluene-d8 | 98.5 | 70-130 | | 11/14/22 16:26 |
| 4-Bromofluorobenzene | 101 | 70-130 | | 11/14/22 16:26 |

SMA 2/19/2023

con-test® A Pace Analytical® Laboratory
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Franklin St, Buffalo, NY | Sample Description: | Work Order: 22K1604

Date Received: 11/10/2022

**Field Sample #: DUP** | Sampled: 11/9/2022 11:35

**Sample ID: 22K1604-05**

Sample Matrix: Ground Water

Sample Flags: RL-11

**Volatile Organic Compounds by GC/MS**

| Analyte | Results | RL | DL | Units | Dilution | Flag/Qual | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | 500 | 20 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:52 | MFF |
| Benzene | ND | 10 | 2.0 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:52 | MFF |
| Bromochloromethane | ND | 10 | 3.1 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:52 | MFF |
| Bromodichloromethane | ND | 5.0 | 1.8 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:52 | MFF |
| Bromoform | ND | 10 | 3.8 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:52 | MFF |
| Bromomethane | ND | 20 | 15 | µg/L | 10 | V-05 | SW-846 8260D | 11/14/22 | 11/14/22 16:52 | MFF |
| 2-Butanone (MEK) | ND | 200 | 16 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:52 | MFF |
| Carbon Disulfide | ND | 50 | 14 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:52 | MFF |
| Carbon Tetrachloride | ND | 50 | 1.6 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:52 | MFF |
| Chlorobenzene | ND | 10 | 1.1 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:52 | MFF |
| Chlorodibromomethane | ND | 5.0 | 2.2 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:52 | MFF |
| Chloroethane | ND | 20 | 3.2 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:52 | MFF |
| Chloroform | ND | 20 | 1.7 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:52 | MFF |
| Chloromethane | ND | 20 | 5.2 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:52 | MFF |
| Cyclohexane | ND | 50 | 18 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:52 | MFF |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND | 50 | 8.0 | µg/L | 10 | V-05 | SW-846 8260D | 11/14/22 | 11/14/22 16:52 | MFF |
| 1,2-Dibromoethane (EDB) | ND | 5.0 | 1.7 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:52 | MFF |
| 1,2-Dichlorobenzene | ND | 10 | 1.2 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:52 | MFF |
| 1,3-Dichlorobenzene | ND | 10 | 1.2 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:52 | MFF |
| 1,4-Dichlorobenzene | ND | 10 | 1.3 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:52 | MFF |
| Dichlorodifluoromethane (Freon 12) | ND | 20 | 1.9 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:52 | MFF |
| 1,1-Dichloroethane | ND | 10 | 1.4 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:52 | MFF |
| 1,2-Dichloroethane | ND | 10 | 3.1 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:52 | MFF |
| 1,1-Dichloroethylene | ND | 10 | 1.4 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:52 | MFF |
| cis-1,2-Dichloroethylene | 13 | 10 | 1.5 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:52 | MFF |
| trans-1,2-Dichloroethylene | ND | 10 | 1.7 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:52 | MFF |
| 1,2-Dichloropropane | ND | 10 | 1.8 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:52 | MFF |
| cis-1,3-Dichloropropene | ND | 5.0 | 1.6 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:52 | MFF |
| trans-1,3-Dichloropropene | ND | 5.0 | 1.7 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:52 | MFF |
| 1,4-Dioxane | ND | 500 | 210 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:52 | MFF |
| Ethylbenzene | ND | 10 | 2.1 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:52 | MFF |
| 2-Hexanone (MBK) | ND | 100 | 11 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:52 | MFF |
| Isopropylbenzene (Cumene) | ND | 10 | 1.1 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:52 | MFF |
| Methyl Acetate | ND | 10 | 4.5 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:52 | MFF |
| Methyl tert-Butyl Ether (MTBE) | ND | 10 | 1.7 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:52 | MFF |
| Methyl Cyclohexane | ND | 10 | 2.4 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:52 | MFF |
| Methylene Chloride | ND | 50 | 2.3 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:52 | MFF |
| 4-Methyl-2-pentanone (MIBK) | ND | 100 | 13 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:52 | MFF |
| Styrene | ND | 10 | 1.1 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:52 | MFF |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | 1.3 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:52 | MFF |
| Tetrachloroethylene | 590 | 10 | 1.9 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:52 | MFF |
| Toluene | ND | 10 | 2.2 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:52 | MFF |
| 1,2,3-Trichlorobenzene | ND | 50 | 3.0 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:52 | MFF |
| 1,2,4-Trichlorobenzene | ND | 10 | 2.5 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:52 | MFF |

SMK 11/9/2023

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

Project Location: 250 Franklin St, Buffalo, NY | Sample Description: | Work Order: 22K1604

Date Received: 11/10/2022

**Field Sample #: DUP** | Sampled: 11/9/2022 11:35

**Sample ID: 22K1604-05**

Sample Matrix: Ground Water

Sample Flags: RL-11

**Volatile Organic Compounds by GC/MS**

| Analyte | Results | RL | DL | Units | Dilution | Flag/Qual | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | ND | 10 | 1.7 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:52 | MFF |
| 1,1,2-Trichloroethane | ND | 10 | 1.8 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:52 | MFF |
| Trichloroethylene | 10 | 10 | 1.9 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:52 | MFF |
| Trichlorofluoromethane (Freon 11) | ND | 20 | 1.8 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:52 | MFF |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND | 10 | 2.3 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:52 | MFF |
| Vinyl Chloride | ND | 20 | 2.1 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:52 | MFF |
| Xylenes (total) | ND | 10 | 10 | µg/L | 10 | | SW-846 8260D | 11/14/22 | 11/14/22 16:52 | MFF |

| Surrogates | % Recovery | Recovery Limits | Flag/Qual | |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 98.6 | 70-130 | | 11/14/22 16:52 |
| Toluene-d8 | 98.4 | 70-130 | | 11/14/22 16:52 |
| 4-Bromofluorobenzene | 102 | 70-130 | | 11/14/22 16:52 |

SMA 2/19/2023

con-test® A Pace Analytical® Laboratory
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 Franklin St, Buffalo, NY | Sample Description: | Work Order: 22K1604

Date Received: 11/10/2022

**Field Sample #: Trip Blank** | Sampled: 11/9/2022 00:00

**Sample ID: 22K1604-06**

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 | ND | 50 | 2.0 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 10:46 | MFF |
| Benzene | ND | 1.0 | 0.20 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 10:46 | MFF |
| Bromochloromethane | ND | 1.0 | 0.31 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 10:46 | MFF |
| Bromodichloromethane | ND | 0.50 | 0.18 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 10:46 | MFF |
| Bromoform | ND | 1.0 | 0.38 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 10:46 | MFF |
| Bromomethane | ND | 2.0 | 1.5 | µg/L | 1 | V-05 | SW-846 8260D | 11/14/22 | 11/14/22 10:46 | MFF |
| 2-Butanone (MEK) | ND | 20 | 1.6 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 10:46 | MFF |
| Carbon Disulfide | ND | 5.0 | 1.4 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 10:46 | MFF |
| Carbon Tetrachloride | ND | 5.0 | 0.16 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 10:46 | MFF |
| Chlorobenzene | ND | 1.0 | 0.11 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 10:46 | MFF |
| Chlorodibromomethane | ND | 0.50 | 0.22 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 10:46 | MFF |
| Chloroethane | ND | 2.0 | 0.32 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 10:46 | MFF |
| Chloroform | 0.82 | 2.0 | 0.17 | µg/L | 1 | J | SW-846 8260D | 11/14/22 | 11/14/22 10:46 | MFF |
| Chloromethane | ND | 2.0 | 0.52 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 10:46 | MFF |
| Cyclohexane | ND | 5.0 | 1.8 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 10:46 | MFF |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND | 5.0 | 0.80 | µg/L | 1 | V-05 | SW-846 8260D | 11/14/22 | 11/14/22 10:46 | MFF |
| 1,2-Dibromoethane (EDB) | ND | 0.50 | 0.17 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 10:46 | MFF |
| 1,2-Dichlorobenzene | ND | 1.0 | 0.12 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 10:46 | MFF |
| 1,3-Dichlorobenzene | ND | 1.0 | 0.12 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 10:46 | MFF |
| 1,4-Dichlorobenzene | ND | 1.0 | 0.13 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 10:46 | MFF |
| Dichlorodifluoromethane (Freon 12) | ND | 2.0 | 0.19 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 10:46 | MFF |
| 1,1-Dichloroethane | ND | 1.0 | 0.14 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 10:46 | MFF |
| 1,2-Dichloroethane | ND | 1.0 | 0.31 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 10:46 | MFF |
| 1,1-Dichloroethylene | ND | 1.0 | 0.14 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 10:46 | MFF |
| cis-1,2-Dichloroethylene | ND | 1.0 | 0.15 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 10:46 | MFF |
| trans-1,2-Dichloroethylene | ND | 1.0 | 0.17 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 10:46 | MFF |
| 1,2-Dichloropropane | ND | 1.0 | 0.18 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 10:46 | MFF |
| cis-1,3-Dichloropropene | ND | 0.50 | 0.16 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 10:46 | MFF |
| trans-1,3-Dichloropropene | ND | 0.50 | 0.17 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 10:46 | MFF |
| 1,4-Dioxane | ND | 50 | 21 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 10:46 | MFF |
| Ethylbenzene | ND | 1.0 | 0.21 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 10:46 | MFF |
| 2-Hexanone (MBK) | ND | 10 | 1.1 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 10:46 | MFF |
| Isopropylbenzene (Cumene) | ND | 1.0 | 0.11 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 10:46 | MFF |
| Methyl Acetate | ND | 1.0 | 0.45 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 10:46 | MFF |
| Methyl tert-Butyl Ether (MTBE) | ND | 1.0 | 0.17 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 10:46 | MFF |
| Methyl Cyclohexane | ND | 1.0 | 0.24 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 10:46 | MFF |
| Methylene Chloride | ND | 5.0 | 0.23 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 10:46 | MFF |
| 4-Methyl-2-pentanone (MIBK) | ND | 10 | 1.3 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 10:46 | MFF |
| Styrene | ND | 1.0 | 0.11 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 10:46 | MFF |
| 1,1,2,2-Tetrachloroethane | ND | 0.50 | 0.13 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 10:46 | MFF |
| Tetrachloroethylene | ND | 1.0 | 0.19 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 10:46 | MFF |
| Toluene | ND | 1.0 | 0.22 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 10:46 | MFF |
| 1,2,3-Trichlorobenzene | ND | 5.0 | 0.30 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 10:46 | MFF |
| 1,2,4-Trichlorobenzene | ND | 1.0 | 0.25 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 10:46 | MFF |

11/9/2022

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

Project Location: 250 Franklin St, Buffalo, NY | Sample Description: | Work Order: 22K1604

Date Received: 11/10/2022

**Field Sample #: Trip Blank** | Sampled: 11/9/2022 00:00

**Sample ID: 22K1604-06**

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 |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | ND | 1.0 | 0.17 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 10:46 | MFF |
| 1,1,2-Trichloroethane | ND | 1.0 | 0.18 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 10:46 | MFF |
| Trichloroethylene | ND | 1.0 | 0.19 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 10:46 | MFF |
| Trichlorofluoromethane (Freon 11) | ND | 2.0 | 0.18 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 10:46 | MFF |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND | 1.0 | 0.23 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 10:46 | MFF |
| Vinyl Chloride | ND | 2.0 | 0.21 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 10:46 | MFF |
| Xylenes (total) | ND | 1.0 | 1.0 | µg/L | 1 | | SW-846 8260D | 11/14/22 | 11/14/22 10:46 | MFF |

| Surrogates | % Recovery | Recovery Limits | Flag/Qual | |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 96.8 | 70-130 | | 11/14/22 10:46 |
| Toluene-d8 | 98.4 | 70-130 | | 11/14/22 10:46 |
| 4-Bromofluorobenzene | 100 | 70-130 | | 11/14/22 10:46 |

SMA 2/19/2023

**Project:** NYSDEC 275 Franklin Street #C915208A
Groundwater Sampling
**Laboratory:** Con-Test
**Work Order No.:** 23D0848
**Fraction:** Organic
**Matrix:** Groundwater
**Report Date:** 5/10/2023

This data usability summary report is based upon a review of analytical data generated for groundwater samples. New York State Department of Environmental Conservation Analytical Services Protocol (NYSDEC ASP) Category B format data packages were provided by the laboratory.

The sample locations, laboratory identification numbers, sample collection dates, sample matrix, and analyses performed are presented in Table 1.

The samples were analyzed for volatile organic compounds. The sample analyses were performed in accordance with the procedures referenced at the end of this report.

All sample analyses have undergone an analytical validation review to ensure adherence to the required protocols. Results have been validated or qualified according to general guidance provided in USEPA Region II "Hazardous Waste Support Section, SOM02.2 Low/Medium Volatile Data Validation", SOP HW-33A, Revision 1, September 2016. Region II references this guidance for validation requirements. The quality control requirements specified in the analysis method and associated acceptance criteria were also used to evaluate the data. The following parameters were evaluated.

| | | |
|---|---|---|
| X | • | Data Completeness |
| X | • | Chain of Custody Documentation/Sample Receipt |
| X | • | Holding Times |
| X | • | Instrument Performance |
| X | • | Initial and Continuing Calibrations |
| X | • | Laboratory and Field Blank Analysis Results |
| X | • | Surrogate Compound Recoveries |
| X | • | Summaries of Matrix Spike/Matrix Spike Duplicate Recoveries and Reproducibility |
| X | • | Field Duplicate Analysis Results |
| X | • | Laboratory Control Sample Results |
| X | • | Internal Standard Performance |
| X | • | Qualitative Identification |
| X | • | Quantitation/Reporting Limits |

X - Denotes parameter evaluated.

It is recommended that the data only be used according to the qualifiers presented, and discussed in this report. All other data should be considered qualitatively and quantitatively valid as reported by the laboratory, based on the items evaluated.

Report Approved By:

Shawne M. Rodgers
President

May 26, 2023

## *1.0 DATA COMPLETENESS*

The data deliverables provided by the laboratory were New York State Department of Environmental Conservation Analytical Services Protocol (NYSDEC ASP) Category B format.

A completeness review of the data package revealed the no missing items or issues.

## *2.0 CHAIN OF CUSTODY DOCUMENTATION/SAMPLE RECEIPT*

The chain of custody was complete. No problems were noted at sample receipt.

## *3.0 HOLDING TIMES*

All criteria were met. No qualifiers were applied.

## *4.0 INSTRUMENT PERFORMANCE*

All criteria were met. No qualifiers were applied.

## *5.0 INITIAL AND CONTINUING CALIBRATIONS*

The reporting limits (RLs) for the following compounds have been rejected, and should be considered suspect. The average relative response factors were below 0.01 for the associated initial calibration. The poor response indicates a lack of instrument sensitivity for these compounds. The compound results for all samples are nondetect. RLs have been marked "R" to indicate that they are suspect.

| Calibration Standard | Analyte | Associated Samples |
|---|---|---|
| ICAL 2200537 | 1,4-Dioxane | All Samples |

The relative response factors were below 0.01 for the following associated continuing calibrations. The associated sample results were qualified previously due to the initial calibration results.

| Calibration Standard | Analyte | Associated Samples |
|---|---|---|
| S085958-CCV1 (File ID C22V10302.D) | 1,4-Dioxane | DUP-1, MW-26S, MW-25S, MW-23D, TRIP BLANK |
| S086046-CCV1 (File ID C22V10487.D) | 1,4-Dioxane | MW-27S |

The continuing calibration precision criterion (the percent difference between initial and continuing RRFs $\leq$ 20 percent) was exceeded for the following volatile continuing calibration standards. This indicates a lack of instrument stability for these compounds. Results for these compounds for associated samples are considered quantitative estimates. Positive results have been marked with "J" qualifiers to indicate that they are quantitative estimates. Reporting limits (RLs) are marked "UJ".

| Calibration Standard | Analyte | %Difference | Associated Samples |
|---|---|---|---|
| S085958-CCV1 (File ID C22V10302.D) | Methyl Acetate | -24.6 | DUP-1, MW-26S, MW-25S, MW-23D, TRIP BLANK |
| S086046-CCV1 (File ID C22V10487.D) | Methyl Acetate | -23.2 | MW-27S |

## *6.0 LABORATORY AND FIELD BLANK ANALYSIS RESULTS*

No compounds were detected in the associated volatile laboratory method and trip blanks.

## *7.0 SURROGATE COMPOUNDS*

All criteria were met. No qualifiers were applied.

## *8.0 SUMMARIES OF MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERIES AND REPRODUCIBILITY*

The volatile matrix spike/matrix spike duplicate (MS/MSD) results that did not meet the indicated quality control (QC) limits for the MS/MSD analysis of sample MW-27S are presented on the following page.

| Compound | MS %REC | MSD %REC | QC Limits | RPD | QC Limits |
|---|---|---|---|---|---|
| Methyl Acetate | 43.2 | 43.5 | 70-130 | | 30 |
| 1,2,3-Trichlorobenzene | 64.1 | 62.7 | 70-130 | | 30 |
| 1,2,4-Trichlorobenzene | | 69.2 | 70-130 | | 30 |

The unacceptable results indicate the presence of interferences for parent sample MW-27S. Results for the compounds for the parent sample are considered biased low quantitative estimates and may be higher than reported. The results are nondetect and are marked "UJ" to indicate that they are biased low.

## *9.0 FIELD DUPLICATE RESULTS*

Duplicate samples MW-27S and DUP-1 were submitted to the laboratory to evaluate sampling and analytical precision for those organic compounds determined to be present. Results for the duplicate samples are presented in Table 2.

## *10.0 LABORATORY CONTROL SAMPLE RESULTS*

All criteria were met. No qualifiers were applied.

## *11.0 INTERNAL STANDARD PERFORMANCE*

All criteria were met. No qualifiers were applied.

## *13.0 QUALITATIVE IDENTIFICATION*

All criteria were met. No qualifiers were applied.

## *14.0 QUANTITATION/REPORTING LIMITS*

The following samples were analyzed at dilutions for volatile organic compounds. The dilution analyses were performed because of the suspected presence of elevated levels of target compounds and/or interferences. RLs are elevated by the dilution factor for the samples for target compounds that were not detected. The elevated RLs should be noted when assessing the data for the samples.

| Sample | Dilution Factor |
|---|---|
| MW-25S | 4.0 |
| MW-26S | 4.0 |

As required by USEPA protocol, all compounds, which were qualitatively identified at concentrations below their respective RLs, have been marked with "J" qualifiers to indicate that they are quantitative estimates.

## *METHODOLOGY REFERENCES*

| Analysis | Reference |
|---|---|
| Volatile Organic Compounds | Method 8260D, "Test Methods for Evaluating Solid Waste", SW-846, Third Edition, Final Update VI, Revision 4, June 2018 |

Table 1 Data Usability Summary Report
NYSDEC 275 Franklin Street #C915208A
Groundwater Sampling
Con-Test Work Order Number 23D0848

| | | | | | Analyses Performed |
|---|---|---|---|---|---|
| Sample ID | Lab ID | | Collection Date | Matrix | SW8260C |
| MW-27S | 23D0848 | 1 | 4/6/2023 | Groundwater | X |
| DUP-1 | 23D0848 | 2 | 4/6/2023 | Groundwater | X |
| MW-26S | 23D0848 | 3 | 4/6/2023 | Groundwater | X |
| MW-25S | 23D0848 | 4 | 4/6/2023 | Groundwater | X |
| MW-23D | 23D0848 | 5 | 4/6/2023 | Groundwater | X |
| TRIP BLANK | 23D0848 | 6 | 4/6/2023 | Groundwater | X |

Table 2 Field Duplicate Sample Results for Organic Analyses
Groundwater Samples MW-27S and DUP-1

| | Analyte | MW-27S Result, µg/L | DUP-1 Result, µg/L | RPD |
|---|---|---|---|---|
| VOC | | | | |
| | Chloroform | 2.4 | 2.6 | 8 |
| | Tetrachloroethene | 4.1 | 4.6 | 11 |

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

Project Location: 275 Franklin St, Buffalo, NY
Sample Description:
Work Order: 23D0848

Date Received: 4/7/2023

**Field Sample #: MW-27S**
Sampled: 4/6/2023 09:35

**Sample ID: 23D0848-01**

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 | ND | 50 | 2.0 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/16/23 4:54 | MFF |
| Benzene | ND | 1.0 | 0.18 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/16/23 4:54 | MFF |
| Bromochloromethane | ND | 1.0 | 0.28 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/16/23 4:54 | MFF |
| Bromodichloromethane | ND | 0.50 | 0.16 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/16/23 4:54 | MFF |
| Bromoform | ND | 1.0 | 0.41 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/16/23 4:54 | MFF |
| Bromomethane | ND | 2.0 | 1.3 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/16/23 4:54 | MFF |
| 2-Butanone (MEK) | ND | 20 | 1.7 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/16/23 4:54 | MFF |
| Carbon Disulfide | ND | 5.0 | 1.6 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/16/23 4:54 | MFF |
| Carbon Tetrachloride | ND | 5.0 | 0.16 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/16/23 4:54 | MFF |
| Chlorobenzene | ND | 1.0 | 0.12 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/16/23 4:54 | MFF |
| Chlorodibromomethane | ND | 0.50 | 0.20 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/16/23 4:54 | MFF |
| Chloroethane | ND | 2.0 | 0.34 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/16/23 4:54 | MFF |
| Chloroform | 2.4 | 2.0 | 0.14 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/16/23 4:54 | MFF |
| Chloromethane | ND | 2.0 | 0.50 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/16/23 4:54 | MFF |
| Cyclohexane | ND | 5.0 | 1.8 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/16/23 4:54 | MFF |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND | 5.0 | 0.85 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/16/23 4:54 | MFF |
| 1,2-Dibromoethane (EDB) | ND | 0.50 | 0.16 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/16/23 4:54 | MFF |
| 1,2-Dichlorobenzene | ND | 1.0 | 0.13 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/16/23 4:54 | MFF |
| 1,3-Dichlorobenzene | ND | 1.0 | 0.14 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/16/23 4:54 | MFF |
| 1,4-Dichlorobenzene | ND | 1.0 | 0.13 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/16/23 4:54 | MFF |
| Dichlorodifluoromethane (Freon 12) | ND | 2.0 | 0.16 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/16/23 4:54 | MFF |
| 1,1-Dichloroethane | ND | 1.0 | 0.14 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/16/23 4:54 | MFF |
| 1,2-Dichloroethane | ND | 1.0 | 0.30 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/16/23 4:54 | MFF |
| 1,1-Dichloroethylene | ND | 1.0 | 0.14 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/16/23 4:54 | MFF |
| cis-1,2-Dichloroethylene | ND | 1.0 | 0.14 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/16/23 4:54 | MFF |
| trans-1,2-Dichloroethylene | ND | 1.0 | 0.17 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/16/23 4:54 | MFF |
| 1,2-Dichloropropane | ND | 1.0 | 0.19 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/16/23 4:54 | MFF |
| cis-1,3-Dichloropropene | ND | 0.50 | 0.16 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/16/23 4:54 | MFF |
| trans-1,3-Dichloropropene | ND | 0.50 | 0.14 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/16/23 4:54 | MFF |
| 1,4-Dioxane | ND R | 50 | 18 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/16/23 4:54 | MFF ICL |
| Ethylbenzene | ND | 1.0 | 0.22 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/16/23 4:54 | MFF |
| 2-Hexanone (MBK) | ND | 10 | 1.2 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/16/23 4:54 | MFF |
| Isopropylbenzene (Cumene) | ND | 1.0 | 0.15 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/16/23 4:54 | MFF |
| Methyl Acetate | ND LCJ | 1.0 | 0.61 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/16/23 4:54 | MFF CCL |
| Methyl tert-Butyl Ether (MTBE) | ND | 1.0 | 0.17 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/16/23 4:54 | MFF |
| Methyl Cyclohexane | ND | 1.0 | 0.16 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/16/23 4:54 | MFF |
| Methylene Chloride | ND | 5.0 | 0.18 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/16/23 4:54 | MFF |
| 4-Methyl-2-pentanone (MIBK) | ND | 10 | 1.3 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/16/23 4:54 | MFF |
| Styrene | ND | 1.0 | 0.15 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/16/23 4:54 | MFF |
| 1,1,2,2-Tetrachloroethane | ND | 0.50 | 0.14 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/16/23 4:54 | MFF |
| Tetrachloroethylene | 4.1 | 1.0 | 0.17 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/16/23 4:54 | MFF |
| Toluene | ND | 1.0 | 0.22 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/16/23 4:54 | MFF |
| 1,2,3-Trichlorobenzene | ND LCJ | 5.0 | 0.34 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/16/23 4:54 | MFF |
| 1,2,4-Trichlorobenzene | ND LCJ | 1.0 | 0.30 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/16/23 4:54 | MFF |

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

Project Location: 275 Franklin St, Buffalo, NY | Sample Description: | Work Order: 23D0848

Date Received: 4/7/2023

**Field Sample #: MW-27S** | Sampled: 4/6/2023 09:35

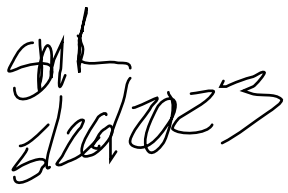
**Sample ID: 23D0848-01**

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 |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | ND | 1.0 | 0.15 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/16/23 4:54 | MFF |
| 1,1,2-Trichloroethane | ND | 1.0 | 0.19 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/16/23 4:54 | MFF |
| Trichloroethylene | ND | 1.0 | 0.17 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/16/23 4:54 | MFF |
| Trichlorofluoromethane (Freon 11) | ND | 2.0 | 0.15 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/16/23 4:54 | MFF |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND | 1.0 | 0.21 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/16/23 4:54 | MFF |
| Vinyl Chloride | ND | 2.0 | 0.24 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/16/23 4:54 | MFF |
| Xylenes (total) | ND | 1.0 | 1.0 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/16/23 4:54 | MFF |

| Surrogates | % Recovery | Recovery Limits | Flag/Qual | |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 103 | 70-130 | | 4/16/23 4:54 |
| Toluene-d8 | 98.4 | 70-130 | | 4/16/23 4:54 |
| 4-Bromofluorobenzene | 92.6 | 70-130 | | 4/16/23 4:54 |



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

Project Location: 275 Franklin St, Buffalo, NY | Sample Description: | Work Order: 23D0848

Date Received: 4/7/2023

**Field Sample #: DUP-1** | Sampled: 4/6/2023 09:35

**Sample ID: 23D0848-02**

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 | 4/13/23 | 4/13/23 19:59 | MFF |
| Benzene | ND | 1.0 | 0.18 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 19:59 | MFF |
| Bromochloromethane | ND | 1.0 | 0.28 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 19:59 | MFF |
| Bromodichloromethane | ND | 0.50 | 0.16 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 19:59 | MFF |
| Bromoform | ND | 1.0 | 0.41 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 19:59 | MFF |
| Bromomethane | ND | 2.0 | 1.3 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 19:59 | MFF |
| 2-Butanone (MEK) | ND | 20 | 1.7 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 19:59 | MFF |
| Carbon Disulfide | ND | 5.0 | 1.6 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 19:59 | MFF |
| Carbon Tetrachloride | ND | 5.0 | 0.16 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 19:59 | MFF |
| Chlorobenzene | ND | 1.0 | 0.12 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 19:59 | MFF |
| Chlorodibromomethane | ND | 0.50 | 0.20 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 19:59 | MFF |
| Chloroethane | ND | 2.0 | 0.34 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 19:59 | MFF |
| Chloroform | 2.6 | 2.0 | 0.14 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 19:59 | MFF |
| Chloromethane | ND | 2.0 | 0.50 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 19:59 | MFF |
| Cyclohexane | ND | 5.0 | 1.8 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 19:59 | MFF |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND | 5.0 | 0.85 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 19:59 | MFF |
| 1,2-Dibromoethane (EDB) | ND | 0.50 | 0.16 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 19:59 | MFF |
| 1,2-Dichlorobenzene | ND | 1.0 | 0.13 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 19:59 | MFF |
| 1,3-Dichlorobenzene | ND | 1.0 | 0.14 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 19:59 | MFF |
| 1,4-Dichlorobenzene | ND | 1.0 | 0.13 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 19:59 | MFF |
| Dichlorodifluoromethane (Freon 12) | ND | 2.0 | 0.16 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 19:59 | MFF |
| 1,1-Dichloroethane | ND | 1.0 | 0.14 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 19:59 | MFF |
| 1,2-Dichloroethane | ND | 1.0 | 0.30 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 19:59 | MFF |
| 1,1-Dichloroethylene | ND | 1.0 | 0.14 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 19:59 | MFF |
| cis-1,2-Dichloroethylene | ND | 1.0 | 0.14 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 19:59 | MFF |
| trans-1,2-Dichloroethylene | ND | 1.0 | 0.17 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 19:59 | MFF |
| 1,2-Dichloropropane | ND | 1.0 | 0.19 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 19:59 | MFF |
| cis-1,3-Dichloropropene | ND | 0.50 | 0.16 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 19:59 | MFF |
| trans-1,3-Dichloropropene | ND | 0.50 | 0.14 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 19:59 | MFF |
| 1,4-Dioxane | ND | 50 | 18 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 19:59 | MFF |
| Ethylbenzene | ND | 1.0 | 0.22 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 19:59 | MFF |
| 2-Hexanone (MBK) | ND | 10 | 1.2 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 19:59 | MFF |
| Isopropylbenzene (Cumene) | ND | 1.0 | 0.15 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 19:59 | MFF |
| Methyl Acetate | ND | 1.0 | 0.61 | µg/L | 1 | V-05 | SW-846 8260D | 4/13/23 | 4/13/23 19:59 | MFF |
| Methyl tert-Butyl Ether (MTBE) | ND | 1.0 | 0.17 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 19:59 | MFF |
| Methyl Cyclohexane | ND | 1.0 | 0.16 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 19:59 | MFF |
| Methylene Chloride | ND | 5.0 | 0.18 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 19:59 | MFF |
| 4-Methyl-2-pentanone (MIBK) | ND | 10 | 1.3 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 19:59 | MFF |
| Styrene | ND | 1.0 | 0.15 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 19:59 | MFF |
| 1,1,2,2-Tetrachloroethane | ND | 0.50 | 0.14 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 19:59 | MFF |
| Tetrachloroethylene | 4.6 | 1.0 | 0.17 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 19:59 | MFF |
| Toluene | ND | 1.0 | 0.22 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 19:59 | MFF |
| 1,2,3-Trichlorobenzene | ND | 5.0 | 0.34 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 19:59 | MFF |
| 1,2,4-Trichlorobenzene | ND | 1.0 | 0.30 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 19:59 | MFF |

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

Project Location: 275 Franklin St, Buffalo, NY | Sample Description: | Work Order: 23D0848

Date Received: 4/7/2023

**Field Sample #: DUP-1** | Sampled: 4/6/2023 09:35

**Sample ID: 23D0848-02**

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 |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | ND | 1.0 | 0.15 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 19:59 | MFF |
| 1,1,2-Trichloroethane | ND | 1.0 | 0.19 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 19:59 | MFF |
| Trichloroethylene | ND | 1.0 | 0.17 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 19:59 | MFF |
| Trichlorofluoromethane (Freon 11) | ND | 2.0 | 0.15 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 19:59 | MFF |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND | 1.0 | 0.21 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 19:59 | MFF |
| Vinyl Chloride | ND | 2.0 | 0.24 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 19:59 | MFF |
| Xylenes (total) | ND | 1.0 | 1.0 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 19:59 | MFF |

| Surrogates | % Recovery | Recovery Limits | Flag/Qual | |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 104 | 70-130 | | 4/13/23 19:59 |
| Toluene-d8 | 103 | 70-130 | | 4/13/23 19:59 |
| 4-Bromofluorobenzene | 94.4 | 70-130 | | 4/13/23 19:59 |

5/26/2023

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

Project Location: 275 Franklin St, Buffalo, NY | Sample Description: | Work Order: 23D0848

Date Received: 4/7/2023

**Field Sample #: MW-26S** | Sampled: 4/6/2023 11:05

**Sample ID: 23D0848-03**

Sample Matrix: Ground Water

Sample Flags: RL-11

**Volatile Organic Compounds by GC/MS**

| Analyte | Results | RL | DL | Units | Dilution | Flag/Qual | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | 200 | 8.0 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 20:52 | MFF |
| Benzene | ND | 4.0 | 0.74 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 20:52 | MFF |
| Bromochloromethane | ND | 4.0 | 1.1 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 20:52 | MFF |
| Bromodichloromethane | ND | 2.0 | 0.63 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 20:52 | MFF |
| Bromoform | ND | 4.0 | 1.6 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 20:52 | MFF |
| Bromomethane | ND | 8.0 | 5.3 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 20:52 | MFF |
| 2-Butanone (MEK) | ND | 80 | 6.7 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 20:52 | MFF |
| Carbon Disulfide | ND | 20 | 6.2 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 20:52 | MFF |
| Carbon Tetrachloride | ND | 20 | 0.65 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 20:52 | MFF |
| Chlorobenzene | ND | 4.0 | 0.48 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 20:52 | MFF |
| Chlorodibromomethane | ND | 2.0 | 0.80 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 20:52 | MFF |
| Chloroethane | ND | 8.0 | 1.4 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 20:52 | MFF |
| Chloroform | 1.1 | 8.0 | 0.56 | µg/L | 4 | J | SW-846 8260D | 4/13/23 | 4/13/23 20:52 | MFF |
| Chloromethane | ND | 8.0 | 2.0 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 20:52 | MFF |
| Cyclohexane | ND | 20 | 7.1 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 20:52 | MFF |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND | 20 | 3.4 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 20:52 | MFF |
| 1,2-Dibromoethane (EDB) | ND | 2.0 | 0.64 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 20:52 | MFF |
| 1,2-Dichlorobenzene | ND | 4.0 | 0.52 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 20:52 | MFF |
| 1,3-Dichlorobenzene | ND | 4.0 | 0.55 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 20:52 | MFF |
| 1,4-Dichlorobenzene | ND | 4.0 | 0.51 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 20:52 | MFF |
| Dichlorodifluoromethane (Freon 12) | ND | 8.0 | 0.64 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 20:52 | MFF |
| 1,1-Dichloroethane | ND | 4.0 | 0.55 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 20:52 | MFF |
| 1,2-Dichloroethane | ND | 4.0 | 1.2 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 20:52 | MFF |
| 1,1-Dichloroethylene | ND | 4.0 | 0.56 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 20:52 | MFF |
| cis-1,2-Dichloroethylene | 43 | 4.0 | 0.56 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 20:52 | MFF |
| trans-1,2-Dichloroethylene | ND | 4.0 | 0.69 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 20:52 | MFF |
| 1,2-Dichloropropane | ND | 4.0 | 0.77 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 20:52 | MFF |
| cis-1,3-Dichloropropene | ND | 2.0 | 0.65 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 20:52 | MFF |
| trans-1,3-Dichloropropene | ND | 2.0 | 0.57 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 20:52 | MFF |
| 1,4-Dioxane | ND | 200 | 72 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 20:52 | MFF |
| Ethylbenzene | ND | 4.0 | 0.88 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 20:52 | MFF |
| 2-Hexanone (MBK) | ND | 40 | 4.8 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 20:52 | MFF |
| Isopropylbenzene (Cumene) | ND | 4.0 | 0.60 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 20:52 | MFF |
| Methyl Acetate | ND | 4.0 | 2.4 | µg/L | 4 | V-05 | SW-846 8260D | 4/13/23 | 4/13/23 20:52 | MFF |
| Methyl tert-Butyl Ether (MTBE) | ND | 4.0 | 0.68 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 20:52 | MFF |
| Methyl Cyclohexane | ND | 4.0 | 0.62 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 20:52 | MFF |
| Methylene Chloride | ND | 20 | 0.71 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 20:52 | MFF |
| 4-Methyl-2-pentanone (MIBK) | ND | 40 | 5.3 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 20:52 | MFF |
| Styrene | ND | 4.0 | 0.60 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 20:52 | MFF |
| 1,1,2,2-Tetrachloroethane | ND | 2.0 | 0.55 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 20:52 | MFF |
| Tetrachloroethylene | 290 | 4.0 | 0.67 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 20:52 | MFF |
| Toluene | ND | 4.0 | 0.89 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 20:52 | MFF |
| 1,2,3-Trichlorobenzene | ND | 20 | 1.4 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 20:52 | MFF |
| 1,2,4-Trichlorobenzene | ND | 4.0 | 1.2 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 20:52 | MFF |

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

Project Location: 275 Franklin St, Buffalo, NY | Sample Description: | Work Order: 23D0848

Date Received: 4/7/2023

**Field Sample #: MW-26S** | Sampled: 4/6/2023 11:05

**Sample ID: 23D0848-03**

Sample Matrix: Ground Water

Sample Flags: RL-11

**Volatile Organic Compounds by GC/MS**

| Analyte | Results | RL | DL | Units | Dilution | Flag/Qual | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | ND | 4.0 | 0.60 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 20:52 | MFF |
| 1,1,2-Trichloroethane | ND | 4.0 | 0.76 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 20:52 | MFF |
| Trichloroethylene | 14 | 4.0 | 0.70 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 20:52 | MFF |
| Trichlorofluoromethane (Freon 11) | ND | 8.0 | 0.62 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 20:52 | MFF |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND | 4.0 | 0.83 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 20:52 | MFF |
| Vinyl Chloride | ND | 8.0 | 0.95 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 20:52 | MFF |
| Xylenes (total) | ND | 4.0 | 4.0 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 20:52 | MFF |

| Surrogates | % Recovery | Recovery Limits | Flag/Qual | |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 103 | 70-130 | | 4/13/23 20:52 |
| Toluene-d8 | 98.8 | 70-130 | | 4/13/23 20:52 |
| 4-Bromofluorobenzene | 94.6 | 70-130 | | 4/13/23 20:52 |

5/26/2023

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

Project Location: 275 Franklin St, Buffalo, NY | Sample Description: | Work Order: 23D0848

Date Received: 4/7/2023

**Field Sample #: MW-25S** | Sampled: 4/6/2023 12:40

**Sample ID: 23D0848-04**

Sample Matrix: Ground Water

Sample Flags: RL-11

**Volatile Organic Compounds by GC/MS**

| Analyte | Results | RL | DL | Units | Dilution | Flag/Qual | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| Acetone | 13 | 200 | 8.0 | µg/L | 4 | J | SW-846 8260D | 4/13/23 | 4/13/23 21:19 | MFF |
| Benzene | ND | 4.0 | 0.74 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 21:19 | MFF |
| Bromochloromethane | ND | 4.0 | 1.1 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 21:19 | MFF |
| Bromodichloromethane | ND | 2.0 | 0.63 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 21:19 | MFF |
| Bromoform | ND | 4.0 | 1.6 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 21:19 | MFF |
| Bromomethane | ND | 8.0 | 5.3 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 21:19 | MFF |
| 2-Butanone (MEK) | 21 | 80 | 6.7 | µg/L | 4 | J | SW-846 8260D | 4/13/23 | 4/13/23 21:19 | MFF |
| Carbon Disulfide | ND | 20 | 6.2 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 21:19 | MFF |
| Carbon Tetrachloride | ND | 20 | 0.65 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 21:19 | MFF |
| Chlorobenzene | ND | 4.0 | 0.48 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 21:19 | MFF |
| Chlorodibromomethane | ND | 2.0 | 0.80 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 21:19 | MFF |
| Chloroethane | ND | 8.0 | 1.4 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 21:19 | MFF |
| Chloroform | ND | 8.0 | 0.56 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 21:19 | MFF |
| Chloromethane | ND | 8.0 | 2.0 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 21:19 | MFF |
| Cyclohexane | ND | 20 | 7.1 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 21:19 | MFF |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND | 20 | 3.4 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 21:19 | MFF |
| 1,2-Dibromoethane (EDB) | ND | 2.0 | 0.64 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 21:19 | MFF |
| 1,2-Dichlorobenzene | ND | 4.0 | 0.52 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 21:19 | MFF |
| 1,3-Dichlorobenzene | ND | 4.0 | 0.55 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 21:19 | MFF |
| 1,4-Dichlorobenzene | ND | 4.0 | 0.51 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 21:19 | MFF |
| Dichlorodifluoromethane (Freon 12) | ND | 8.0 | 0.64 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 21:19 | MFF |
| 1,1-Dichloroethane | ND | 4.0 | 0.55 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 21:19 | MFF |
| 1,2-Dichloroethane | ND | 4.0 | 1.2 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 21:19 | MFF |
| 1,1-Dichloroethylene | ND | 4.0 | 0.56 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 21:19 | MFF |
| cis-1,2-Dichloroethylene | 210 | 4.0 | 0.56 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 21:19 | MFF |
| trans-1,2-Dichloroethylene | 1.5 | 4.0 | 0.69 | µg/L | 4 | J | SW-846 8260D | 4/13/23 | 4/13/23 21:19 | MFF |
| 1,2-Dichloropropane | ND | 4.0 | 0.77 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 21:19 | MFF |
| cis-1,3-Dichloropropene | ND | 2.0 | 0.65 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 21:19 | MFF |
| trans-1,3-Dichloropropene | ND | 2.0 | 0.57 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 21:19 | MFF |
| 1,4-Dioxane | ND | 200 | 72 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 21:19 | MFF ICL |
| Ethylbenzene | ND | 4.0 | 0.88 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 21:19 | MFF |
| 2-Hexanone (MBK) | ND | 40 | 4.8 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 21:19 | MFF |
| Isopropylbenzene (Cumene) | ND | 4.0 | 0.60 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 21:19 | MFF |
| Methyl Acetate | ND | 4.0 | 2.4 | µg/L | 4 | V-05 | SW-846 8260D | 4/13/23 | 4/13/23 21:19 | MFF CCL |
| Methyl tert-Butyl Ether (MTBE) | ND | 4.0 | 0.68 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 21:19 | MFF |
| Methyl Cyclohexane | ND | 4.0 | 0.62 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 21:19 | MFF |
| Methylene Chloride | ND | 20 | 0.71 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 21:19 | MFF |
| 4-Methyl-2-pentanone (MIBK) | ND | 40 | 5.3 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 21:19 | MFF |
| Styrene | ND | 4.0 | 0.60 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 21:19 | MFF |
| 1,1,2,2-Tetrachloroethane | ND | 2.0 | 0.55 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 21:19 | MFF |
| Tetrachloroethylene | 220 | 4.0 | 0.67 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 21:19 | MFF |
| Toluene | ND | 4.0 | 0.89 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 21:19 | MFF |
| 1,2,3-Trichlorobenzene | ND | 20 | 1.4 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 21:19 | MFF |
| 1,2,4-Trichlorobenzene | ND | 4.0 | 1.2 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 21:19 | MFF |

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

Project Location: 275 Franklin St, Buffalo, NY | Sample Description: | Work Order: 23D0848

Date Received: 4/7/2023

**Field Sample #: MW-25S** | Sampled: 4/6/2023 12:40

**Sample ID: 23D0848-04**

Sample Matrix: Ground Water

Sample Flags: RL-11

**Volatile Organic Compounds by GC/MS**

| Analyte | Results | RL | DL | Units | Dilution | Flag/Qual | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | ND | 4.0 | 0.60 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 21:19 | MFF |
| 1,1,2-Trichloroethane | ND | 4.0 | 0.76 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 21:19 | MFF |
| Trichloroethylene | 24 | 4.0 | 0.70 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 21:19 | MFF |
| Trichlorofluoromethane (Freon 11) | ND | 8.0 | 0.62 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 21:19 | MFF |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND | 4.0 | 0.83 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 21:19 | MFF |
| Vinyl Chloride | ND | 8.0 | 0.95 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 21:19 | MFF |
| Xylenes (total) | ND | 4.0 | 4.0 | µg/L | 4 | | SW-846 8260D | 4/13/23 | 4/13/23 21:19 | MFF |

| Surrogates | % Recovery | Recovery Limits | Flag/Qual | |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 103 | 70-130 | | 4/13/23 21:19 |
| Toluene-d8 | 102 | 70-130 | | 4/13/23 21:19 |
| 4-Bromofluorobenzene | 95.4 | 70-130 | | 4/13/23 21:19 |

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

Project Location: 275 Franklin St, Buffalo, NY | Sample Description: | Work Order: 23D0848

Date Received: 4/7/2023

**Field Sample #: MW-23D** | Sampled: 4/6/2023 15:15

**Sample ID: 23D0848-05**

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 | 4/13/23 | 4/13/23 20:25 | MFF |
| Benzene | ND | 1.0 | 0.18 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 20:25 | MFF |
| Bromochloromethane | ND | 1.0 | 0.28 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 20:25 | MFF |
| Bromodichloromethane | ND | 0.50 | 0.16 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 20:25 | MFF |
| Bromoform | ND | 1.0 | 0.41 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 20:25 | MFF |
| Bromomethane | ND | 2.0 | 1.3 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 20:25 | MFF |
| 2-Butanone (MEK) | ND | 20 | 1.7 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 20:25 | MFF |
| Carbon Disulfide | ND | 5.0 | 1.6 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 20:25 | MFF |
| Carbon Tetrachloride | ND | 5.0 | 0.16 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 20:25 | MFF |
| Chlorobenzene | ND | 1.0 | 0.12 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 20:25 | MFF |
| Chlorodibromomethane | ND | 0.50 | 0.20 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 20:25 | MFF |
| Chloroethane | ND | 2.0 | 0.34 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 20:25 | MFF |
| Chloroform | 0.31 | 2.0 | 0.14 | µg/L | 1 | J | SW-846 8260D | 4/13/23 | 4/13/23 20:25 | MFF |
| Chloromethane | ND | 2.0 | 0.50 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 20:25 | MFF |
| Cyclohexane | ND | 5.0 | 1.8 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 20:25 | MFF |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND | 5.0 | 0.85 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 20:25 | MFF |
| 1,2-Dibromoethane (EDB) | ND | 0.50 | 0.16 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 20:25 | MFF |
| 1,2-Dichlorobenzene | ND | 1.0 | 0.13 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 20:25 | MFF |
| 1,3-Dichlorobenzene | ND | 1.0 | 0.14 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 20:25 | MFF |
| 1,4-Dichlorobenzene | ND | 1.0 | 0.13 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 20:25 | MFF |
| Dichlorodifluoromethane (Freon 12) | ND | 2.0 | 0.16 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 20:25 | MFF |
| 1,1-Dichloroethane | ND | 1.0 | 0.14 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 20:25 | MFF |
| 1,2-Dichloroethane | ND | 1.0 | 0.30 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 20:25 | MFF |
| 1,1-Dichloroethylene | ND | 1.0 | 0.14 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 20:25 | MFF |
| cis-1,2-Dichloroethylene | ND | 1.0 | 0.14 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 20:25 | MFF |
| trans-1,2-Dichloroethylene | ND | 1.0 | 0.17 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 20:25 | MFF |
| 1,2-Dichloropropane | ND | 1.0 | 0.19 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 20:25 | MFF |
| cis-1,3-Dichloropropene | ND | 0.50 | 0.16 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 20:25 | MFF |
| trans-1,3-Dichloropropene | ND | 0.50 | 0.14 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 20:25 | MFF |
| 1,4-Dioxane | ND R | 50 | 18 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 20:25 | MFF |
| Ethylbenzene | ND | 1.0 | 0.22 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 20:25 | MFF |
| 2-Hexanone (MBK) | ND | 10 | 1.2 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 20:25 | MFF |
| Isopropylbenzene (Cumene) | ND | 1.0 | 0.15 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 20:25 | MFF |
| Methyl Acetate | ND LJ | 1.0 | 0.61 | µg/L | 1 | V-05 | SW-846 8260D | 4/13/23 | 4/13/23 20:25 | MFF |
| Methyl tert-Butyl Ether (MTBE) | ND | 1.0 | 0.17 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 20:25 | MFF |
| Methyl Cyclohexane | ND | 1.0 | 0.16 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 20:25 | MFF |
| Methylene Chloride | ND | 5.0 | 0.18 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 20:25 | MFF |
| 4-Methyl-2-pentanone (MIBK) | ND | 10 | 1.3 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 20:25 | MFF |
| Styrene | ND | 1.0 | 0.15 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 20:25 | MFF |
| 1,1,2,2-Tetrachloroethane | ND | 0.50 | 0.14 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 20:25 | MFF |
| Tetrachloroethylene | 0.70 | 1.0 | 0.17 | µg/L | 1 | J | SW-846 8260D | 4/13/23 | 4/13/23 20:25 | MFF |
| Toluene | ND | 1.0 | 0.22 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 20:25 | MFF |
| 1,2,3-Trichlorobenzene | ND | 5.0 | 0.34 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 20:25 | MFF |
| 1,2,4-Trichlorobenzene | ND | 1.0 | 0.30 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 20:25 | MFF |

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

Project Location: 275 Franklin St, Buffalo, NY | Sample Description: | Work Order: 23D0848

Date Received: 4/7/2023

**Field Sample #: MW-23D** | Sampled: 4/6/2023 15:15

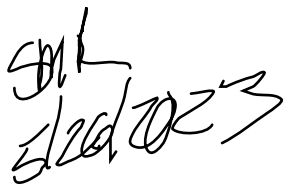
**Sample ID: 23D0848-05**

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 |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | ND | 1.0 | 0.15 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 20:25 | MFF |
| 1,1,2-Trichloroethane | ND | 1.0 | 0.19 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 20:25 | MFF |
| Trichloroethylene | ND | 1.0 | 0.17 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 20:25 | MFF |
| Trichlorofluoromethane (Freon 11) | ND | 2.0 | 0.15 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 20:25 | MFF |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND | 1.0 | 0.21 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 20:25 | MFF |
| Vinyl Chloride | ND | 2.0 | 0.24 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 20:25 | MFF |
| Xylenes (total) | ND | 1.0 | 1.0 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 20:25 | MFF |

| Surrogates | % Recovery | Recovery Limits | Flag/Qual | |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 101 | 70-130 | | 4/13/23 20:25 |
| Toluene-d8 | 100 | 70-130 | | 4/13/23 20:25 |
| 4-Bromofluorobenzene | 96.9 | 70-130 | | 4/13/23 20:25 |



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

Project Location: 275 Franklin St, Buffalo, NY | Sample Description: | Work Order: 23D0848

Date Received: 4/7/2023

**Field Sample #: Trip Blank** | Sampled: 4/6/2023 12:40

**Sample ID: 23D0848-06**

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 | ND | 50 | 2.0 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 13:45 | MFF |
| Benzene | ND | 1.0 | 0.18 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 13:45 | MFF |
| Bromochloromethane | ND | 1.0 | 0.28 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 13:45 | MFF |
| Bromodichloromethane | ND | 0.50 | 0.16 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 13:45 | MFF |
| Bromoform | ND | 1.0 | 0.41 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 13:45 | MFF |
| Bromomethane | ND | 2.0 | 1.3 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 13:45 | MFF |
| 2-Butanone (MEK) | ND | 20 | 1.7 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 13:45 | MFF |
| Carbon Disulfide | ND | 5.0 | 1.6 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 13:45 | MFF |
| Carbon Tetrachloride | ND | 5.0 | 0.16 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 13:45 | MFF |
| Chlorobenzene | ND | 1.0 | 0.12 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 13:45 | MFF |
| Chlorodibromomethane | ND | 0.50 | 0.20 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 13:45 | MFF |
| Chloroethane | ND | 2.0 | 0.34 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 13:45 | MFF |
| Chloroform | ND | 2.0 | 0.14 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 13:45 | MFF |
| Chloromethane | ND | 2.0 | 0.50 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 13:45 | MFF |
| Cyclohexane | ND | 5.0 | 1.8 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 13:45 | MFF |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND | 5.0 | 0.85 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 13:45 | MFF |
| 1,2-Dibromoethane (EDB) | ND | 0.50 | 0.16 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 13:45 | MFF |
| 1,2-Dichlorobenzene | ND | 1.0 | 0.13 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 13:45 | MFF |
| 1,3-Dichlorobenzene | ND | 1.0 | 0.14 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 13:45 | MFF |
| 1,4-Dichlorobenzene | ND | 1.0 | 0.13 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 13:45 | MFF |
| Dichlorodifluoromethane (Freon 12) | ND | 2.0 | 0.16 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 13:45 | MFF |
| 1,1-Dichloroethane | ND | 1.0 | 0.14 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 13:45 | MFF |
| 1,2-Dichloroethane | ND | 1.0 | 0.30 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 13:45 | MFF |
| 1,1-Dichloroethylene | ND | 1.0 | 0.14 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 13:45 | MFF |
| cis-1,2-Dichloroethylene | ND | 1.0 | 0.14 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 13:45 | MFF |
| trans-1,2-Dichloroethylene | ND | 1.0 | 0.17 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 13:45 | MFF |
| 1,2-Dichloropropane | ND | 1.0 | 0.19 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 13:45 | MFF |
| cis-1,3-Dichloropropene | ND | 0.50 | 0.16 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 13:45 | MFF |
| trans-1,3-Dichloropropene | ND | 0.50 | 0.14 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 13:45 | MFF |
| 1,4-Dioxane | ~~ND~~ R | 50 | 18 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 13:45 | MFF ICL |
| Ethylbenzene | ND | 1.0 | 0.22 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 13:45 | MFF |
| 2-Hexanone (MBK) | ND | 10 | 1.2 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 13:45 | MFF |
| Isopropylbenzene (Cumene) | ND | 1.0 | 0.15 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 13:45 | MFF |
| Methyl Acetate | ~~ND~~ LCJ | 1.0 | 0.61 | µg/L | 1 | V-05 | SW-846 8260D | 4/13/23 | 4/13/23 13:45 | MFF CCL |
| Methyl tert-Butyl Ether (MTBE) | ND | 1.0 | 0.17 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 13:45 | MFF |
| Methyl Cyclohexane | ND | 1.0 | 0.16 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 13:45 | MFF |
| Methylene Chloride | ND | 5.0 | 0.18 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 13:45 | MFF |
| 4-Methyl-2-pentanone (MIBK) | ND | 10 | 1.3 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 13:45 | MFF |
| Styrene | ND | 1.0 | 0.15 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 13:45 | MFF |
| 1,1,2,2-Tetrachloroethane | ND | 0.50 | 0.14 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 13:45 | MFF |
| Tetrachloroethylene | ND | 1.0 | 0.17 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 13:45 | MFF |
| Toluene | ND | 1.0 | 0.22 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 13:45 | MFF |
| 1,2,3-Trichlorobenzene | ND | 5.0 | 0.34 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 13:45 | MFF |
| 1,2,4-Trichlorobenzene | ND | 1.0 | 0.30 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 13:45 | MFF |

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

Project Location: 275 Franklin St, Buffalo, NY | Sample Description: | Work Order: 23D0848

Date Received: 4/7/2023

**Field Sample #: Trip Blank** | Sampled: 4/6/2023 12:40

**Sample ID: 23D0848-06**

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 |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | ND | 1.0 | 0.15 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 13:45 | MFF |
| 1,1,2-Trichloroethane | ND | 1.0 | 0.19 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 13:45 | MFF |
| Trichloroethylene | ND | 1.0 | 0.17 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 13:45 | MFF |
| Trichlorofluoromethane (Freon 11) | ND | 2.0 | 0.15 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 13:45 | MFF |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND | 1.0 | 0.21 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 13:45 | MFF |
| Vinyl Chloride | ND | 2.0 | 0.24 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 13:45 | MFF |
| Xylenes (total) | ND | 1.0 | 1.0 | µg/L | 1 | | SW-846 8260D | 4/13/23 | 4/13/23 13:45 | MFF |

| Surrogates | % Recovery | Recovery Limits | Flag/Qual | |
|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 97.7 | 70-130 | | 4/13/23 13:45 |
| Toluene-d8 | 98.5 | 70-130 | | 4/13/23 13:45 |
| 4-Bromofluorobenzene | 96.0 | 70-130 | | 4/13/23 13:45 |